

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
 Data File : BP000340.D
 Acq On : 19 Sep 2019 19:16
 Operator : HP/JU
 Sample : K4962-05MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TH-4MSD

Quant Time: Sep 20 12:07:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	228219	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	802657	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	438549	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	825345	20.00	ng	0.00
76) Chrysene-d12	14.00	240	664943	20.00	ng	0.00
87) Perylene-d12	15.48	264	777280	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1340649	101.41	ng	0.01
7) Phenol-d6	6.43	99	1712250	105.66	ng	0.00
23) Nitrobenzene-d5	7.35	82	953434	76.64	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	547303	125.82	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2091649	85.84	ng	0.00
79) Terphenyl-d14	12.93	244	2402517	75.80	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.53	88	202101	33.878	ng	98
3) Pyridine	3.28	79	507710	31.614	ng	100
4) n-Nitrosodimethylamine	3.22	42	174381	38.508	ng	96
6) Aniline	6.45	93	270039	12.086	ng	# 89
8) 2-Chlorophenol	6.58	128	643239	45.186	ng	97
9) Benzaldehyde	6.33	77	325565	36.709	ng	100
10) Phenol	6.45	94	824305	44.772	ng	93
11) bis(2-Chloroethyl)ether	6.52	93	571420	40.530	ng	99
12) 1,3-Dichlorobenzene	6.73	146	717246	41.987	ng	99
13) 1,4-Dichlorobenzene	6.81	146	731837	43.059	ng	98
14) 1,2-Dichlorobenzene	6.96	146	665232	42.727	ng	99
15) Benzyl Alcohol	6.93	79	503522	42.699	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.07	45	493955	36.954	ng	97
17) 2-Methylphenol	7.05	107	517767	42.466	ng	99
18) Hexachloroethane	7.30	117	218845	34.794	ng	95
19) n-Nitroso-di-n-propylamine	7.20	70	343922	40.142	ng	98
20) 3+4-Methylphenols	7.20	107	640985	43.475	ng	# 83
22) Acetophenone	7.20	105	845997	48.636	ng	98
24) Nitrobenzene	7.37	77	587770	45.487	ng	98
25) Isophorone	7.61	82	1082118	43.928	ng	98
26) 2-Nitrophenol	7.69	139	239130	34.908	ng	96
27) 2,4-Dimethylphenol	7.73	122	552872	50.668	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	719034	43.886	ng	100
29) 2,4-Dichlorophenol	7.93	162	568353	48.599	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	629700	46.976	ng	99
31) Naphthalene	8.10	128	1795311	48.295	ng	99
32) Benzoic acid	7.83	122	251632	34.154	ng	98
33) 4-Chloroaniline	8.14	127	240085	14.271	ng	98
34) Hexachlorobutadiene	8.22	225	387550	48.795	ng	99
35) Caprolactam	8.50	113	184416	46.355	ng	95
36) 4-Chloro-3-methylphenol	8.63	107	574270	48.372	ng	99
37) 2-Methylnaphthalene	8.79	142	1238496	48.736	ng	99
38) 1-Methylnaphthalene	8.89	142	1149872	48.304	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	652843	52.066	ng	98

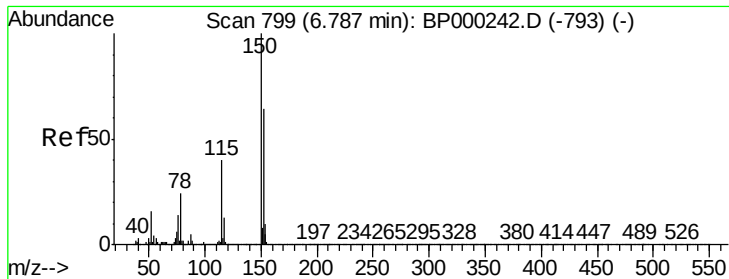
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	195148	27.103	ng	98
43) 2,4,6-Trichlorophenol	9.07	196	423816	48.847	ng	99
44) 2,4,5-Trichlorophenol	9.11	196	453930	51.094	ng	97
46) 1,1'-Biphenyl	9.26	154	1526328	50.311	ng	98
47) 2-Chloronaphthalene	9.28	162	1191006	46.799	ng	98
48) 2-Nitroaniline	9.37	65	301267	46.616	ng	96
49) Acenaphthylene	9.70	152	1862894	48.697	ng	99
50) Dimethylphthalate	9.56	163	1650134	55.227	ng	98
51) 2,6-Dinitrotoluene	9.62	165	297008	45.209	ng	89
52) Acenaphthene	9.87	154	1077242	44.623	ng	99
53) 3-Nitroaniline	9.78	138	260730	34.191	ng	99
54) 2,4-Dinitrophenol	9.89	184	13618	4.692	ng	96
55) Dibenzofuran	10.04	168	1671176	48.970	ng	98
56) 4-Nitrophenol	9.95	139	463841	81.781	ng	94
57) 2,4-Dinitrotoluene	10.02	165	366016	42.617	ng	94
58) Fluorene	10.39	166	1266126	48.033	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.16	232	379822	51.956	ng	95
60) Diethylphthalate	10.26	149	1372274	47.744	ng	99
61) 4-Chlorophenyl-phenylether	10.38	204	669330	49.468	ng	95
62) 4-Nitroaniline	10.40	138	355389	47.381	ng	94
63) Azobenzene	10.54	77	1112175	45.673	ng	99
65) 4,6-Dinitro-2-methylphenol	10.43	198	15506	3.996	ng	92
66) n-Nitrosodiphenylamine	10.50	169	1194339	48.070	ng	99
67) 4-Bromophenyl-phenylether	10.87	248	451244	48.349	ng	100
68) Hexachlorobenzene	10.95	284	486719	47.702	ng	98
69) Atrazine	11.03	200	383855	Below Cal		99
70) Pentachlorophenol	11.14	266	510282	91.825	ng	100
71) Phenanthrene	11.36	178	1970089	47.633	ng	100
72) Anthracene	11.40	178	2030629	47.698	ng	100
73) Carbazole	11.56	167	1846963	48.174	ng	99
74) Di-n-butylphthalate	11.90	149	2103856	43.353	ng	99
75) Fluoranthene	12.56	202	2124582	47.838	ng	95
77) Benzidine	12.68	184	1278191	53.823	ng	98
78) Pyrene	12.79	202	2142132	43.059	ng	100
80) Butylbenzylphthalate	13.41	149	919422	40.221	ng	100
81) Benzo(a)anthracene	13.99	228	1933780	46.039	ng	100
82) 3,3'-Dichlorobenzidine	13.95	252	770689	45.656	ng	99
83) Chrysene	14.03	228	1893835	45.922	ng	99
84) Bis(2-ethylhexyl)phthalate	13.98	149	1178372	42.942	ng	100
85) Di-n-octyl phthalate	14.60	149	2075936	40.818	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	2081606	41.409	ng	95
88) Benzo(b)fluoranthene	15.05	252	2119380	45.706	ng	# 98
89) Benzo(k)fluoranthene	15.08	252	1971863	48.751	ng	# 97
90) Benzo(a)pyrene	15.42	252	2006714	47.561	ng	99
91) Dibenzo(a,h)anthracene	16.99	278	1761504	44.779	ng	97
92) Benzo(g,h,i)perylene	17.42	276	1580258	39.082	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

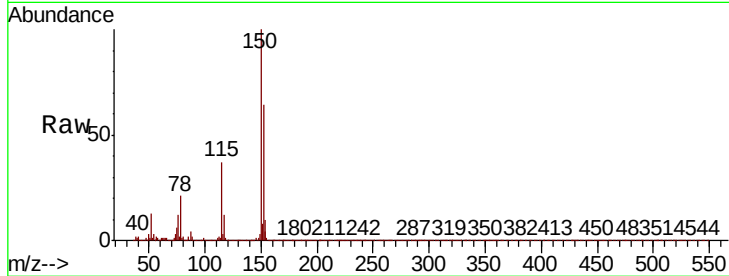


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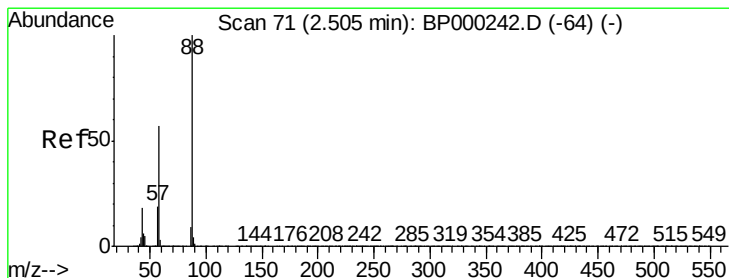
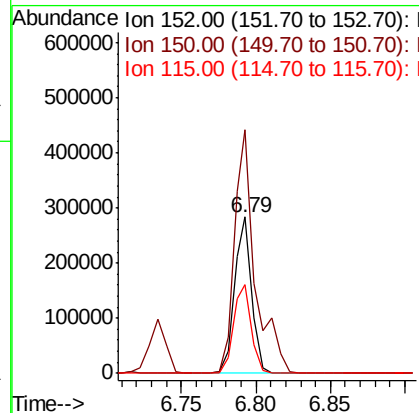
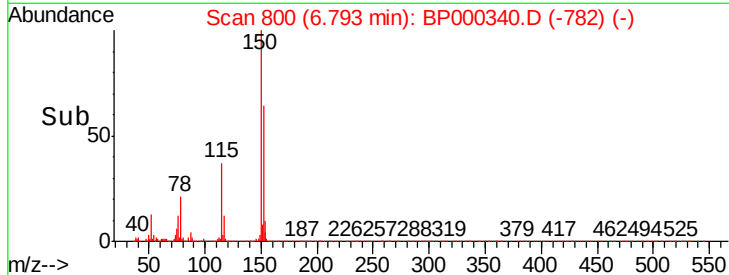
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Instrument :
BNA_P
ClientSampleId :
TH-4MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.2	187.8
115	57.1	49.7	74.5



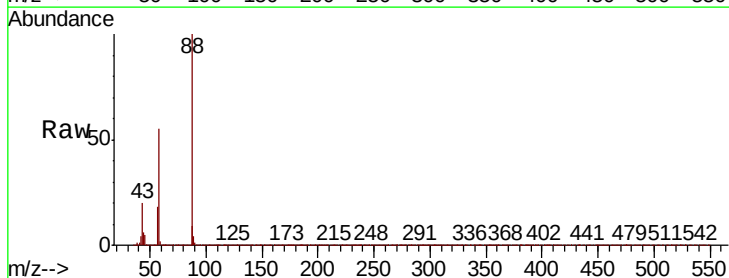
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



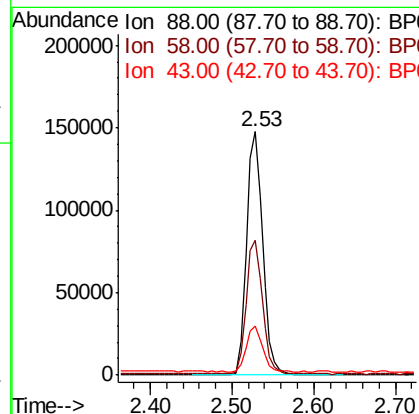
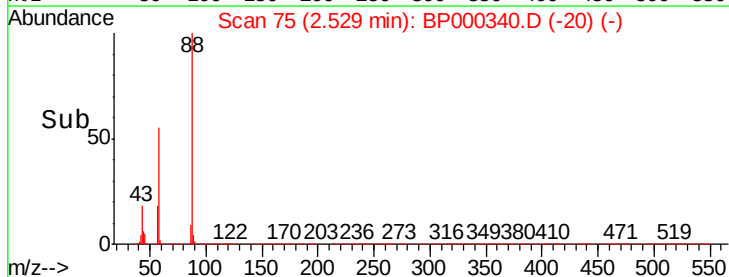
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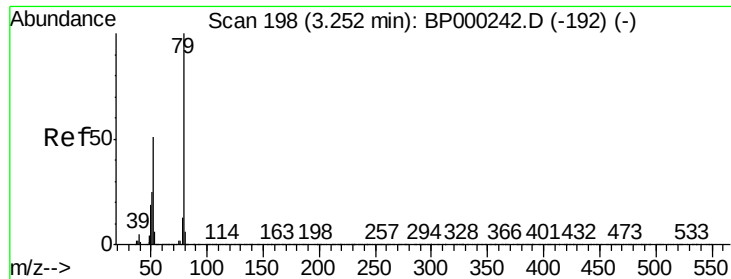
1,4-Dioxane
Concen: 33.878 ng
RT: 2.53 min Scan# 75
Delta R.T. 0.02 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	54.8	45.4	68.2
43	19.0	15.0	22.6



Abundance Ion 88.00 (87.70 to 88.70): BP0
Ion 58.00 (57.70 to 58.70): BP0
Ion 43.00 (42.70 to 43.70): BP0





#3

Pvridine

Concen: 31.614 ng

RT: 3.28 min Scan# 202

Delta R.T. 0.02 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

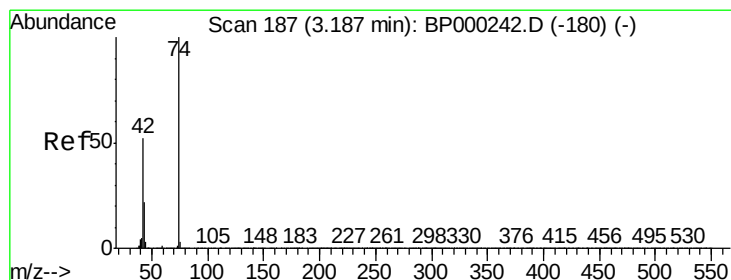
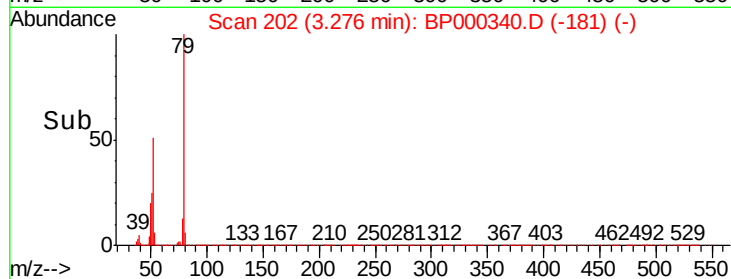
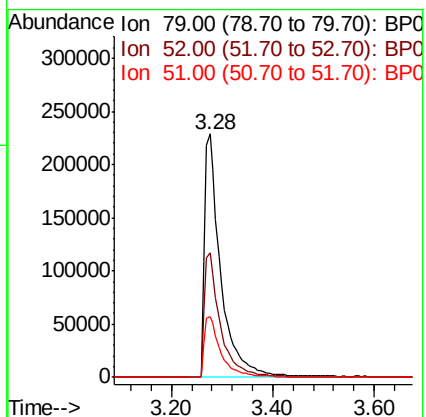
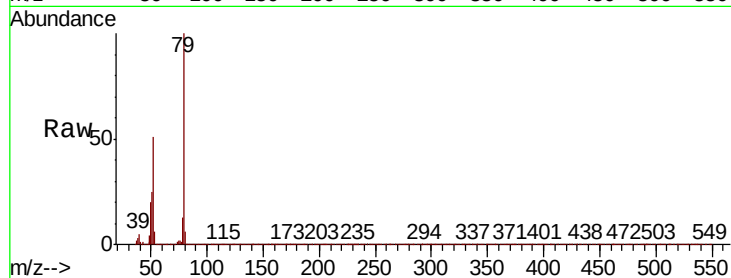
Tot Ion: 79 Resp: 507710

Ion Ratio Lower Upper

79 100

52 50.9 40.9 61.3

51 24.9 20.2 30.2



#4

n-Nitrosodimethylamine

Concen: 38.508 ng

RT: 3.22 min Scan# 192

Delta R.T. 0.03 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

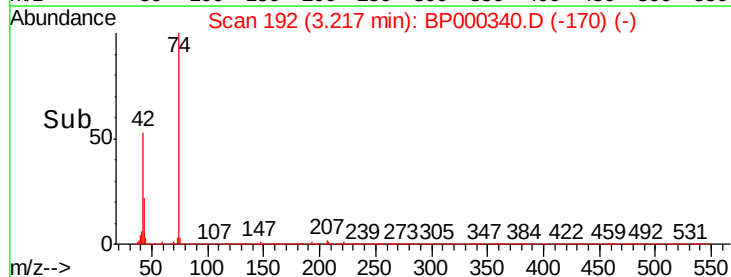
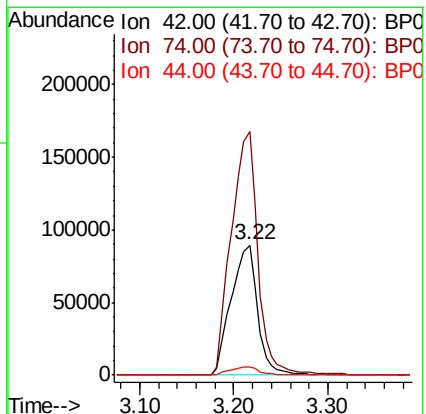
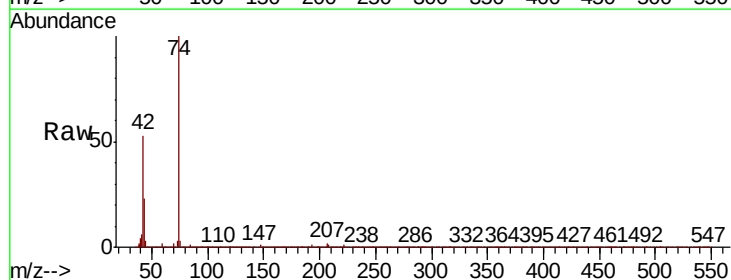
Tgt Ion: 42 Resp: 174381

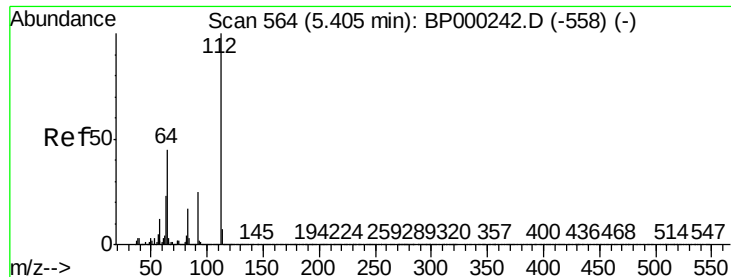
Ion Ratio Lower Upper

42 100

74 187.6 154.5 231.7

44 6.4 5.9 8.9





#5

2-Fluorophenol

Concen: 101.413 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

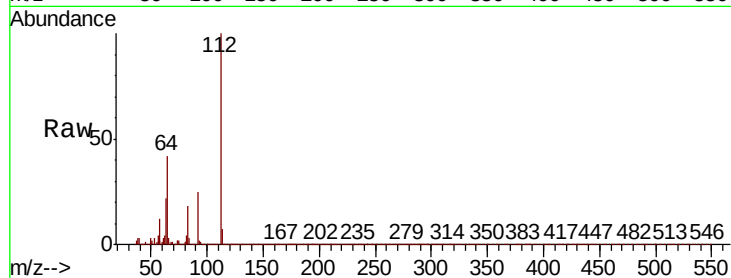
Tot Ion: 112 Resp: 1340649

Ion Ratio Lower Upper

112 100

64 42.4 36.2 54.4

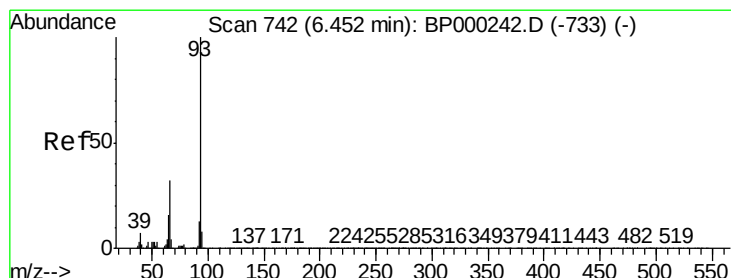
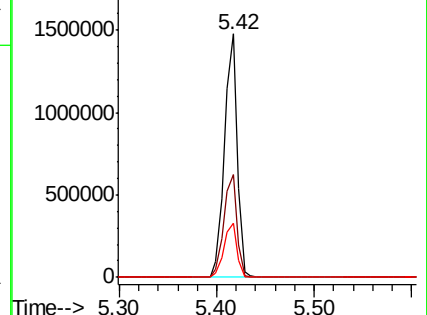
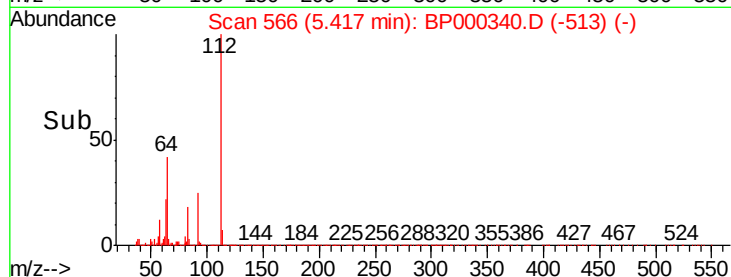
63 22.5 18.3 27.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 12.086 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

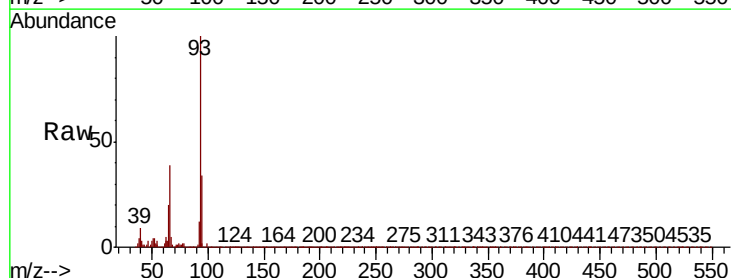
Tgt Ion: 93 Resp: 270039

Ion Ratio Lower Upper

93 100

66 39.3 26.2 39.2#

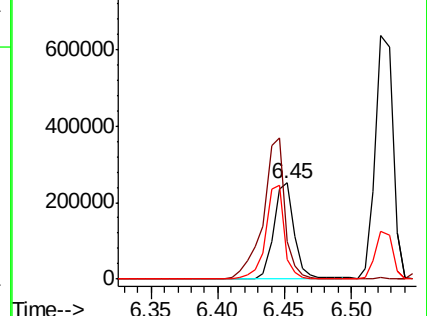
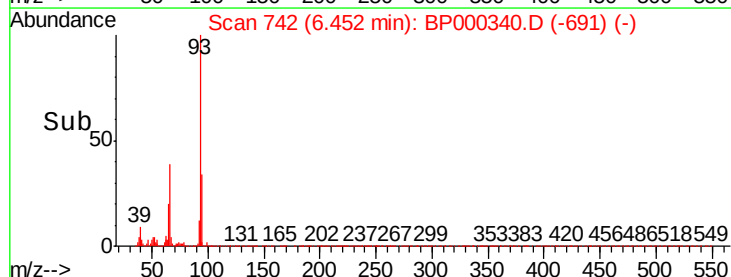
65 20.4 12.7 19.1#

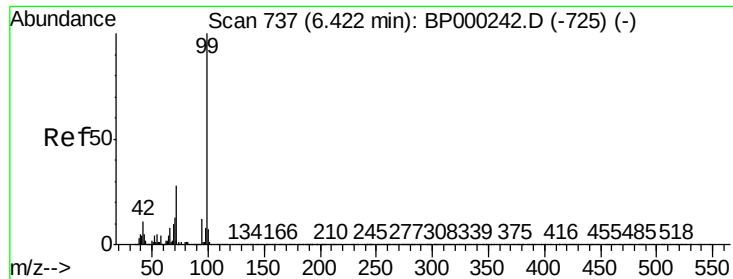


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 105.664 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

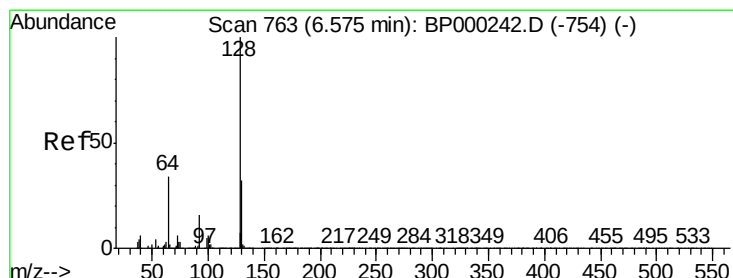
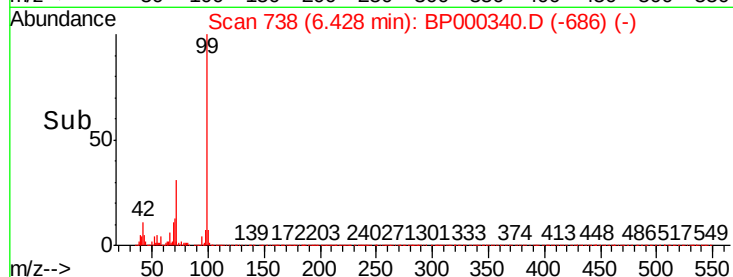
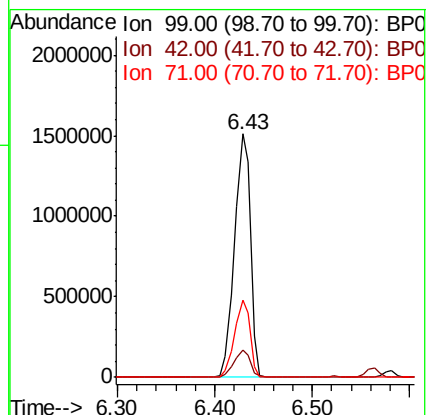
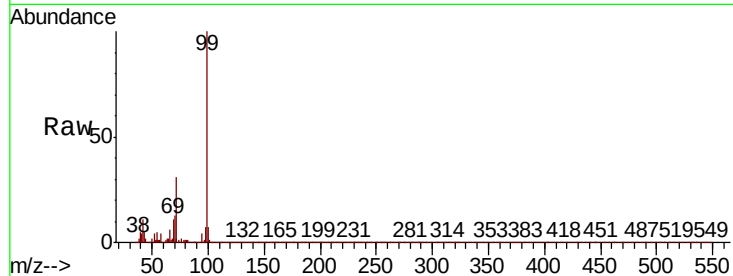
BNA_P

ClientSampleId :

TH-4MSD

Tot Ion: 99 Resp: 1712250

Ion	Ratio	Lower	Upper
99	100		
42	11.2	8.5	12.7
71	31.5	22.6	34.0



#8

2-Chlorophenol

Concen: 45.186 ng

RT: 6.58 min Scan# 764

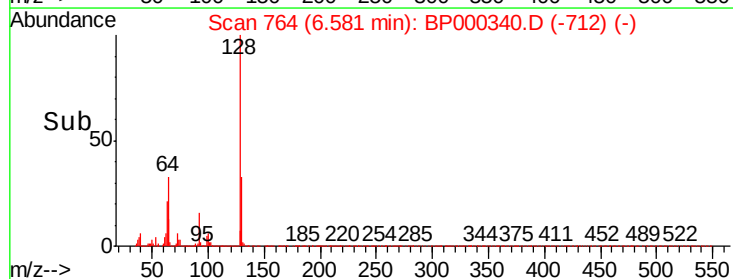
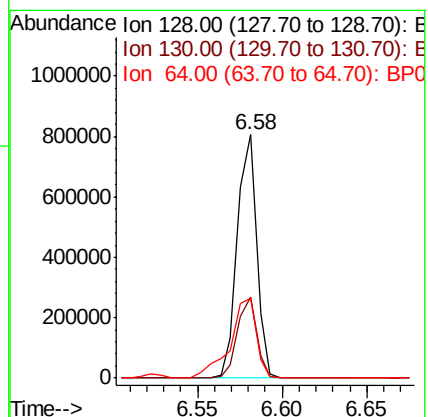
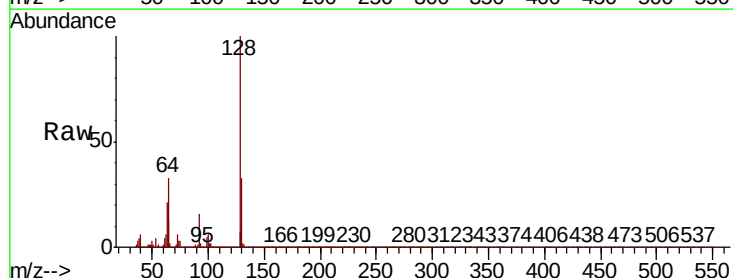
Delta R.T. 0.01 min

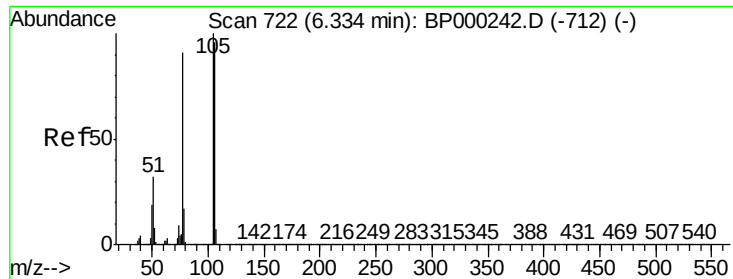
Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Tgt Ion: 128 Resp: 643239

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.5	52.5
64	33.0	16.0	56.0





#9

Benzaldehyde

Concen: 36.709 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

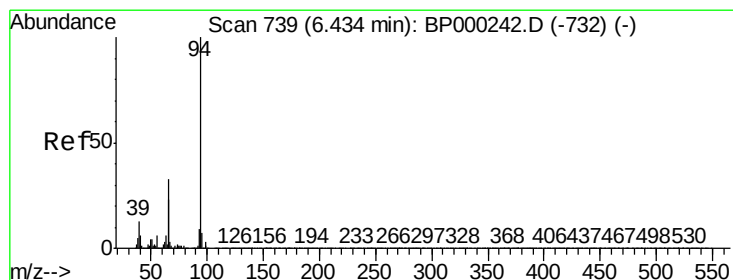
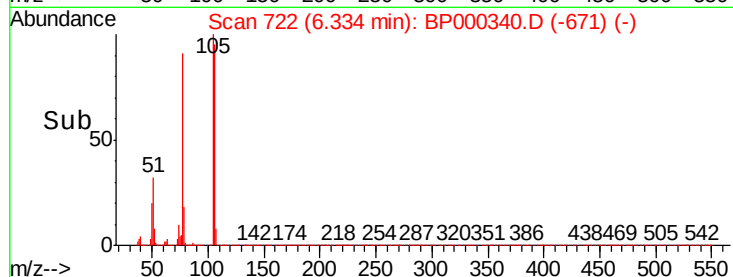
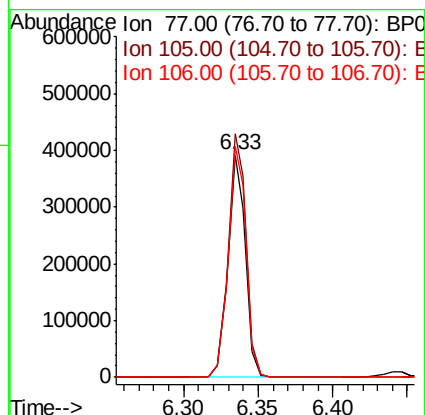
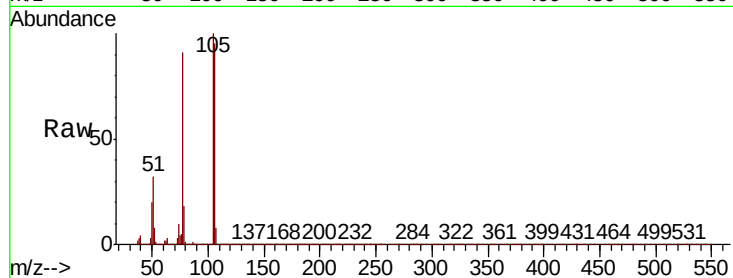
Tot Ion: 77 Resp: 325565

Ion Ratio Lower Upper

77 100

105 109.7 89.6 129.6

106 103.9 84.6 124.6



#10

Phenol

Concen: 44.772 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

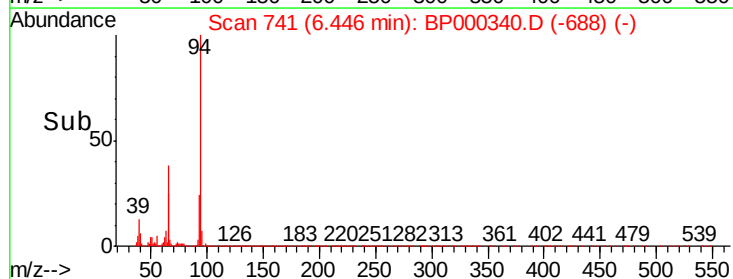
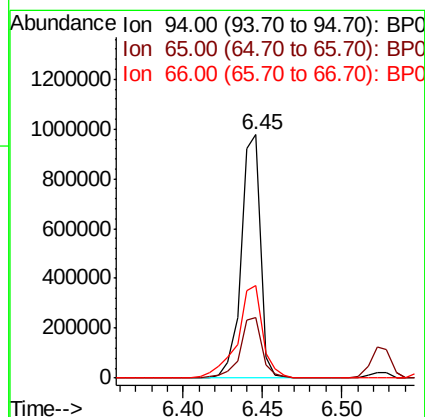
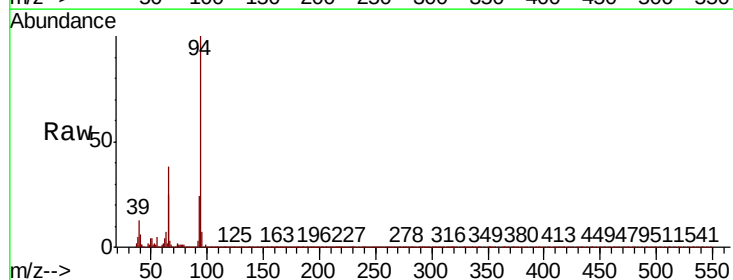
Tgt Ion: 94 Resp: 824305

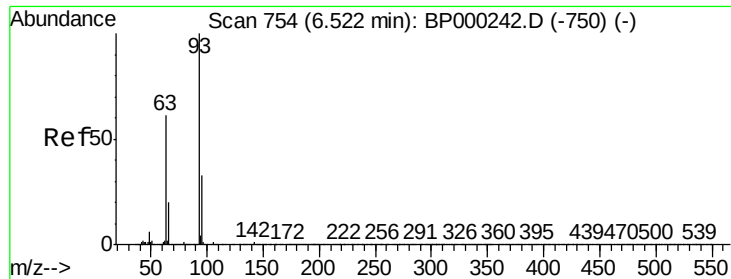
Ion Ratio Lower Upper

94 100

65 24.9 3.3 43.3

66 37.8 12.7 52.7

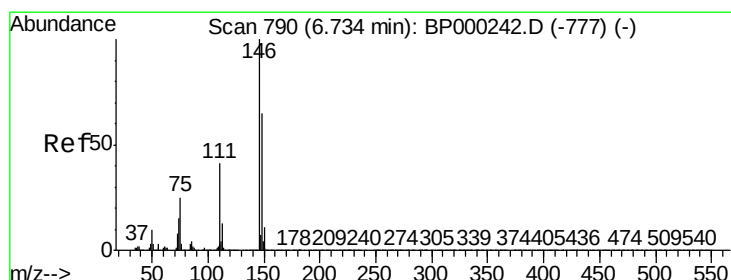
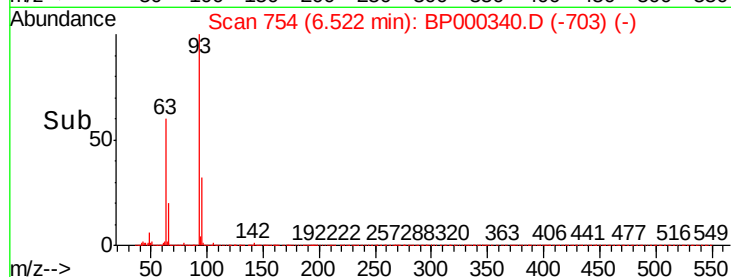
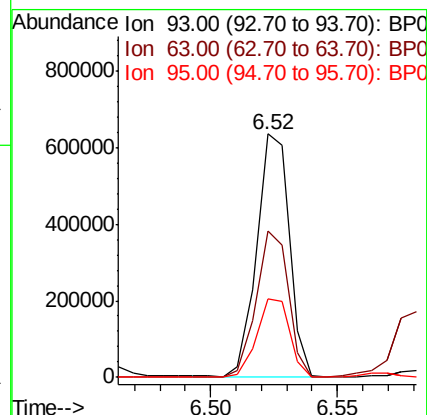
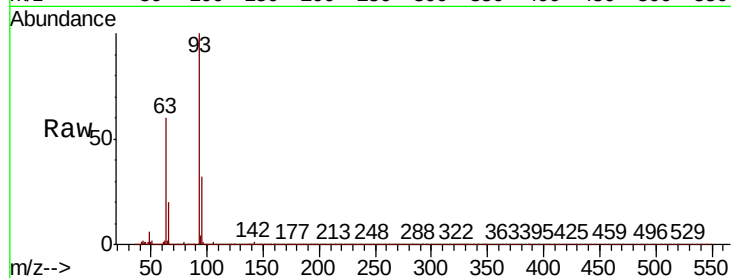




#11
bis(2-Chloroethyl)ether
Concen: 40.530 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

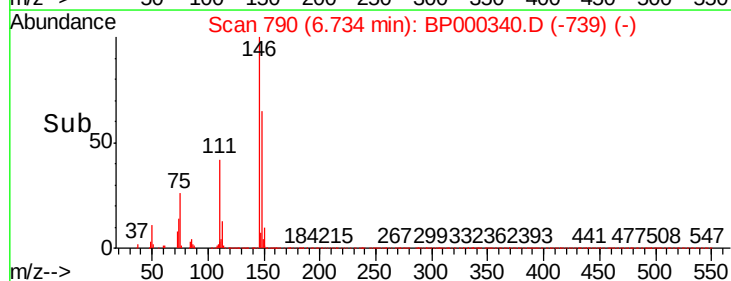
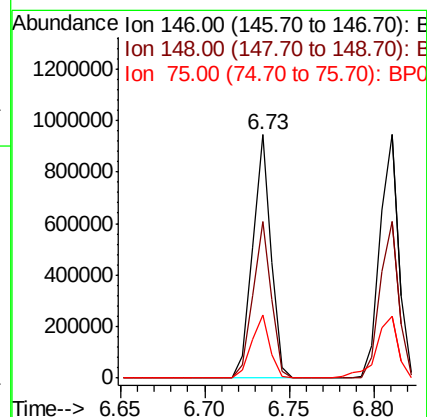
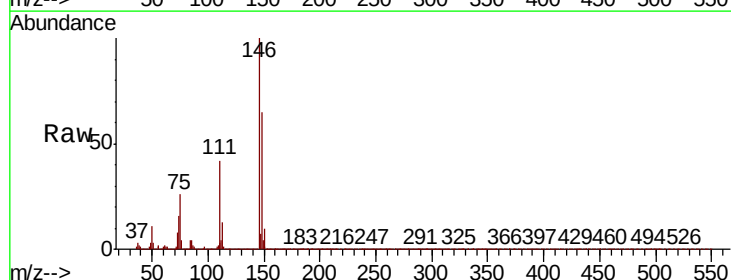
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

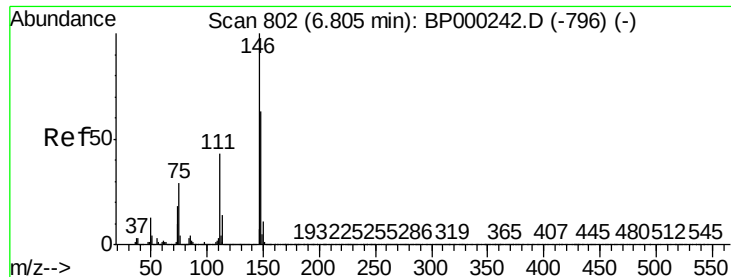
Tot Ion	Ratio	Lower	Upper
93	100		
63	59.9	41.0	81.0
95	32.4	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 41.987 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.1	78.1
75	25.9	20.2	30.4

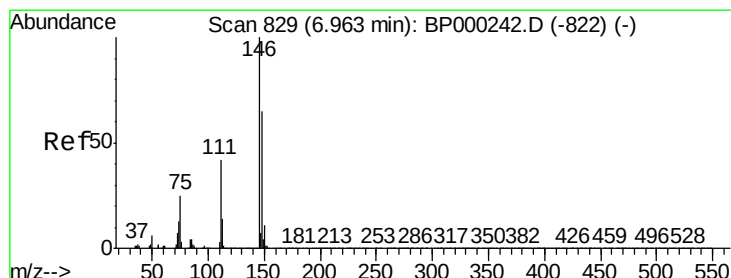
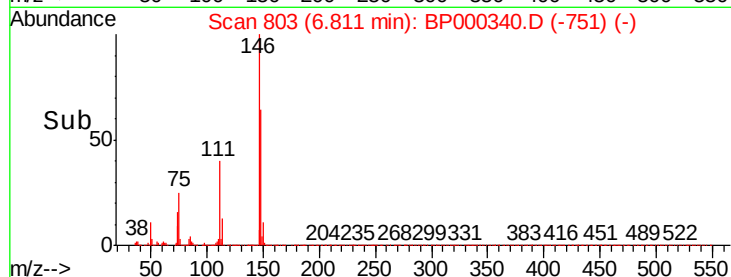
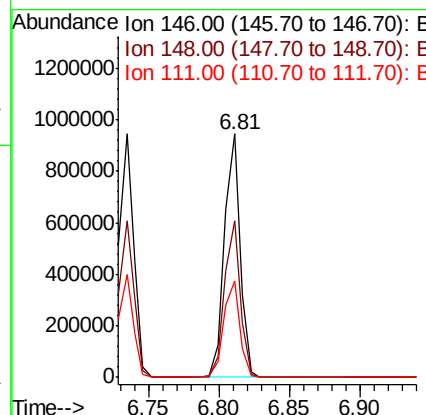
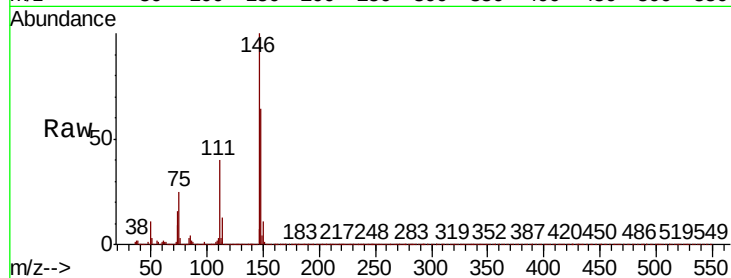




#13
1,4-Dichlorobenzene
Concen: 43.059 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

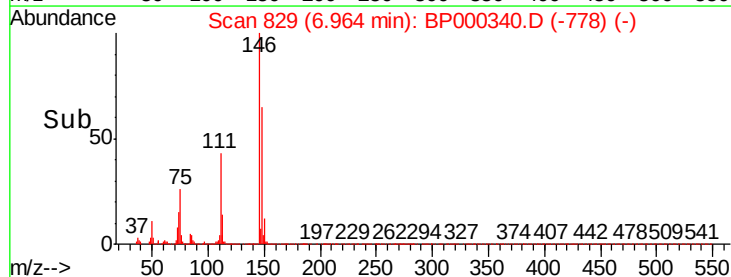
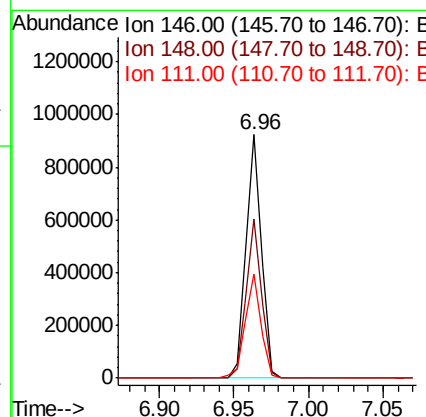
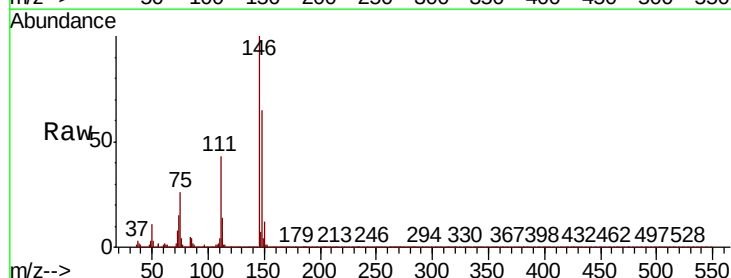
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

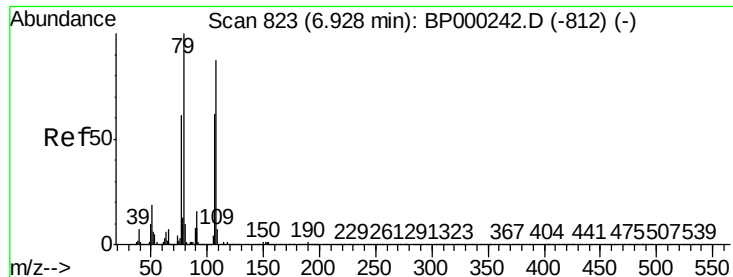
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.7	76.1
111	39.9	34.1	51.1



#14
1,2-Dichlorobenzene
Concen: 42.727 ng
RT: 6.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.7	77.5
111	42.6	33.4	50.2

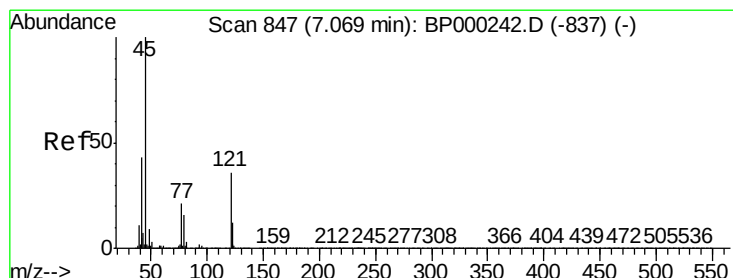
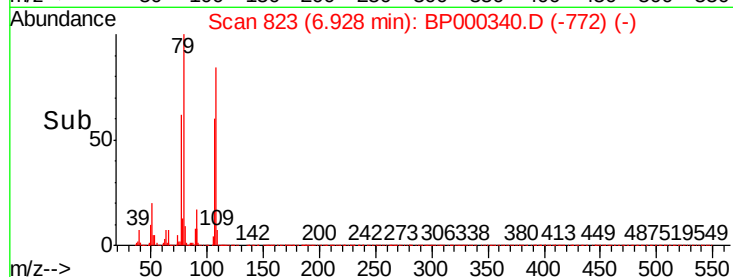
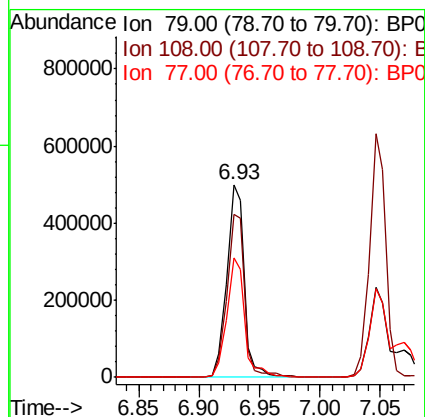
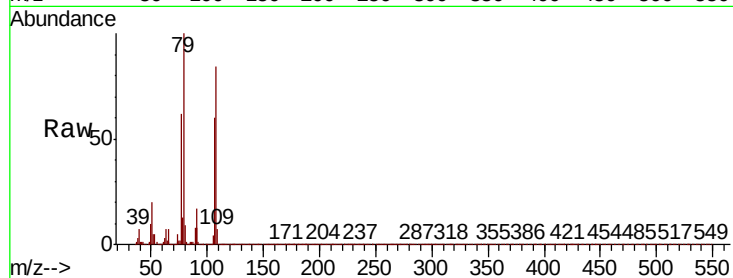




#15
Benzyl Alcohol
Concen: 42.699 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

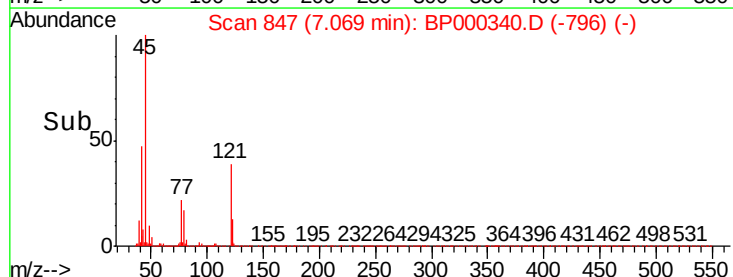
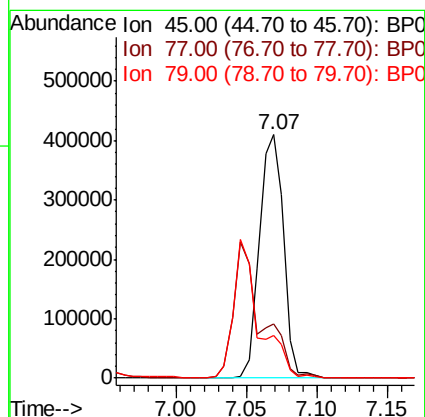
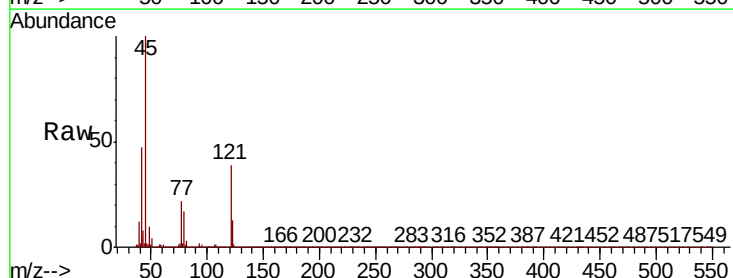
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

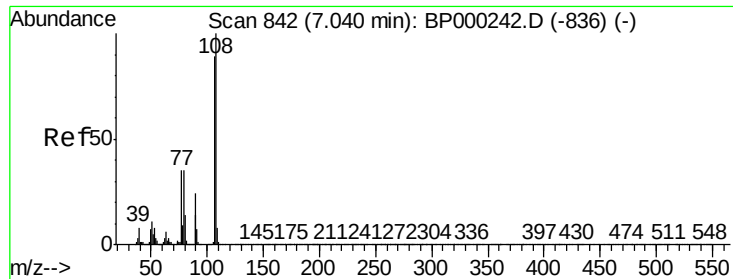
Tot Ion: 79 Resp: 503522
Ion Ratio Lower Upper
79 100
108 84.4 69.2 103.8
77 61.7 48.7 73.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.954 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 45 Resp: 493955
Ion Ratio Lower Upper
45 100
77 22.2 0.7 40.7
79 17.4 0.0 36.4





#17

2-Methylphenol

Concen: 42.466 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

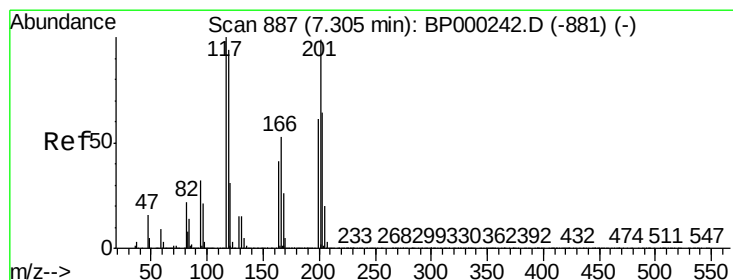
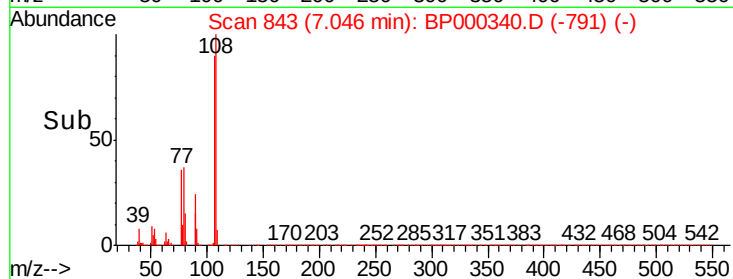
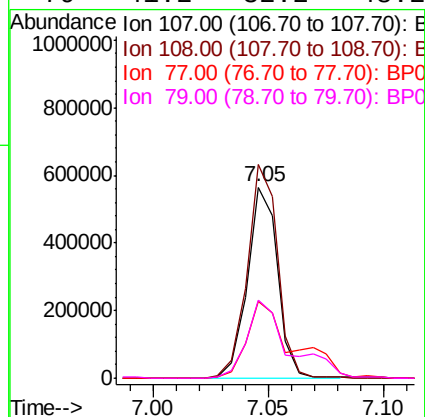
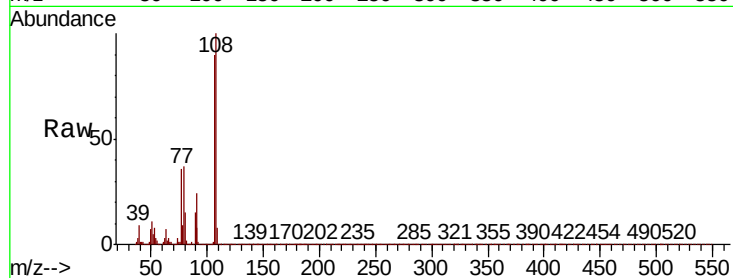
Instrument :

BNA_P

ClientSampleId :

TH-4MSD

Tot Ion:	107	Resp:	517767
Ion	Ratio	Lower	Upper
107	100		
108	111.7	90.1	135.1
77	40.5	31.5	47.3
79	41.2	32.2	48.2



#18

Hexachloroethane

Concen: 34.794 ng

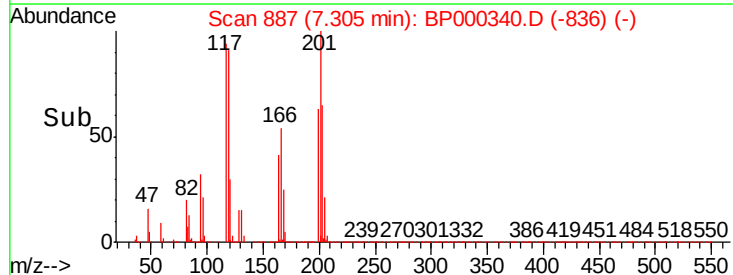
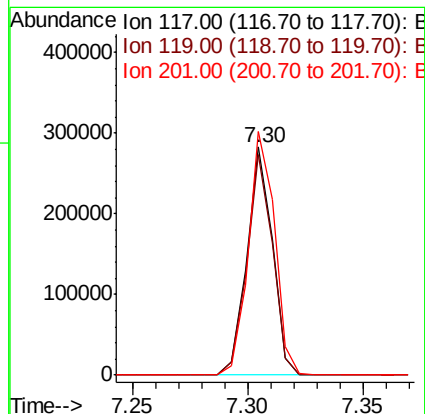
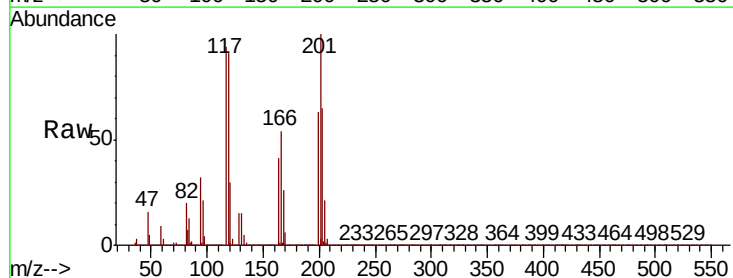
RT: 7.30 min Scan# 887

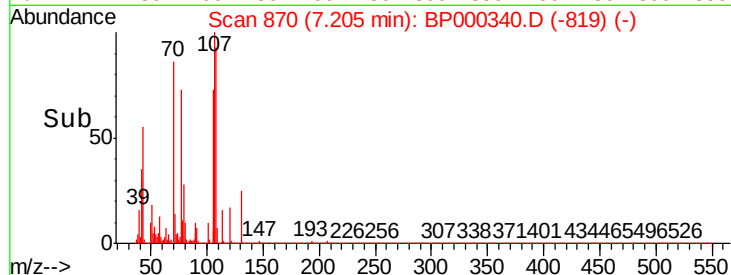
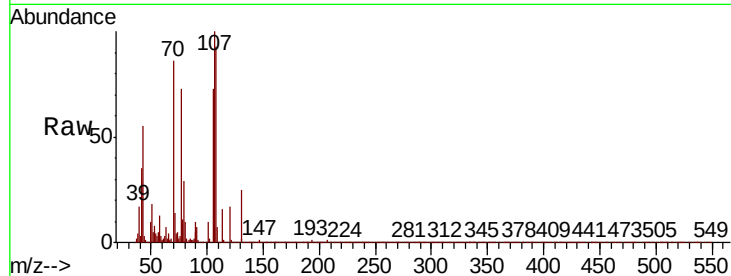
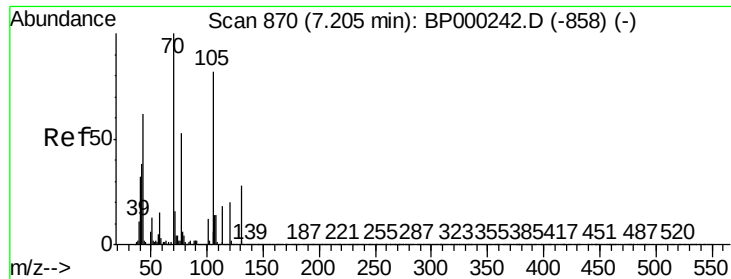
Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Tgt Ion:	117	Resp:	218845
Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.6	113.4
201	106.7	79.4	119.2

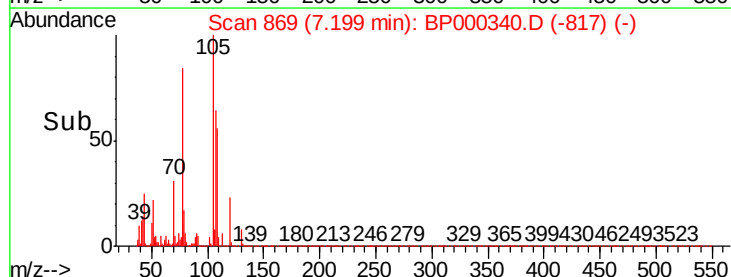
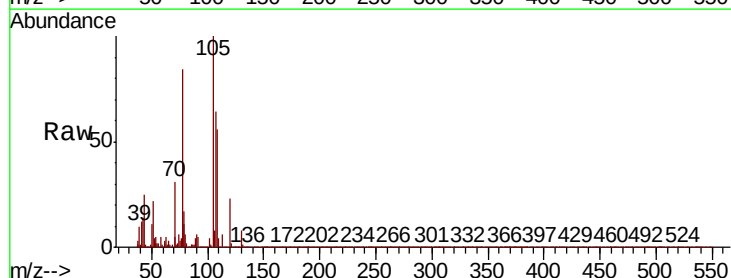
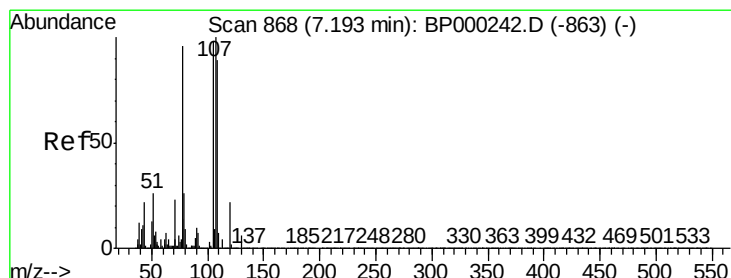
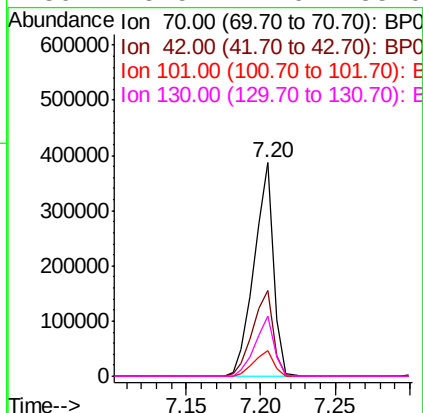




#19
n-Nitroso-di-n-propylamine
Concen: 40.142 ng
RT: 7.20 min Scan# 870
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

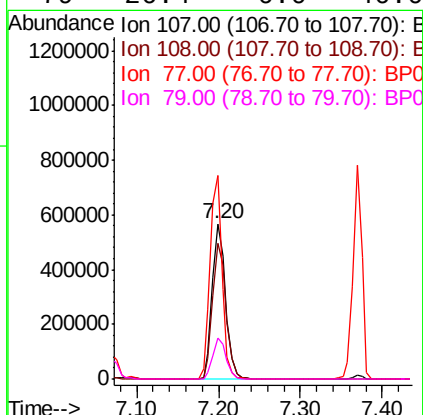
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

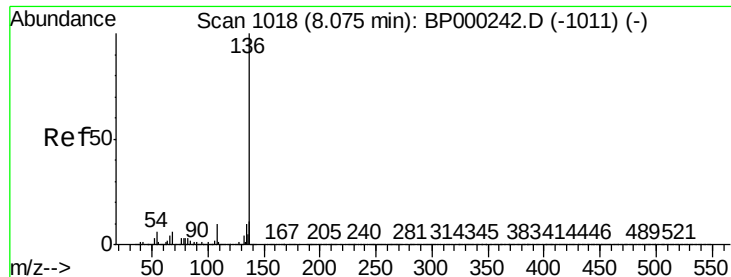
Tot Ion:	70	Resp:	343922
Ion	Ratio	Lower	Upper
70	100		
42	40.4	30.7	46.1
101	12.0	9.6	14.4
130	28.5	22.0	33.0



#20
3+4-Methylphenols
Concen: 43.475 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:	107	Resp:	640985
Ion	Ratio	Lower	Upper
107	100		
108	87.3	68.8	108.8
77	130.9	75.7	115.7#
79	26.4	6.0	46.0

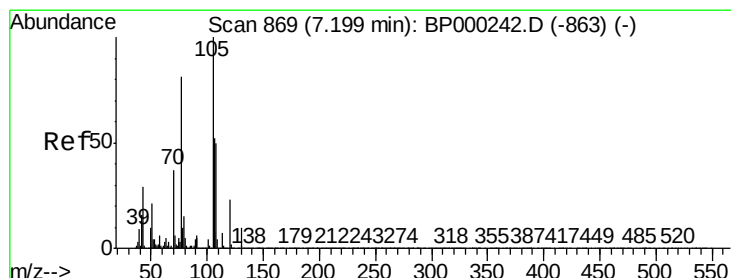
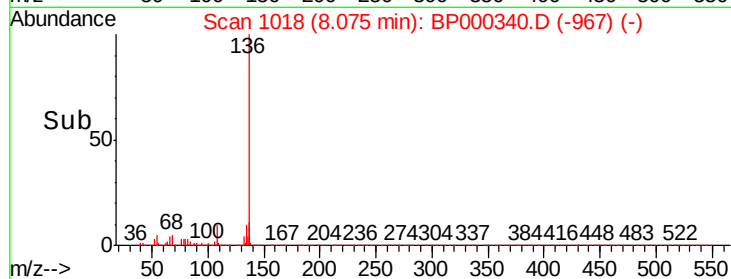
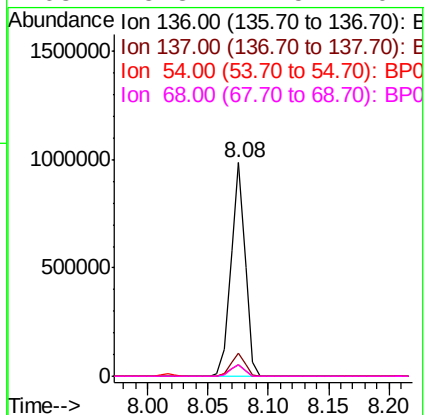
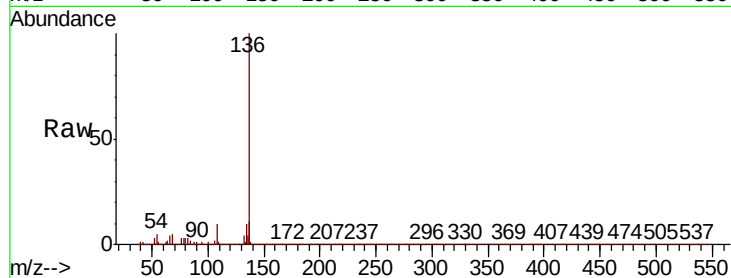




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

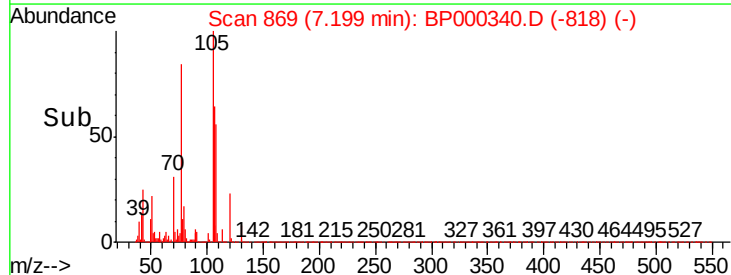
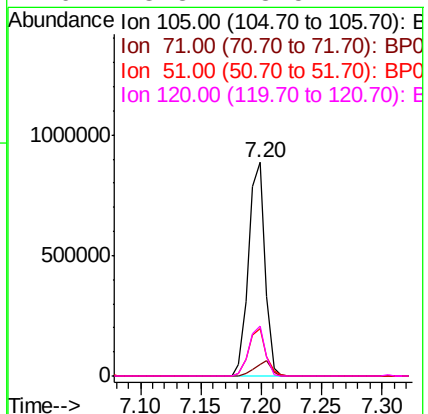
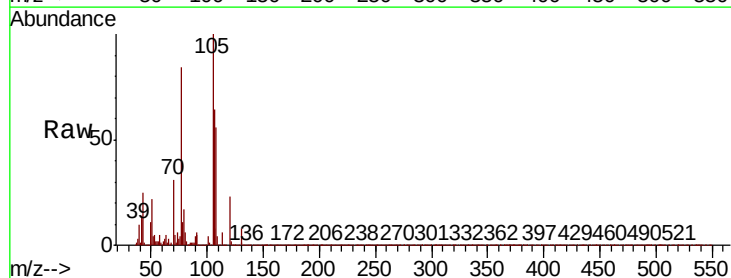
Instrument :
BNA_P
ClientSampled :
TH-4MSD

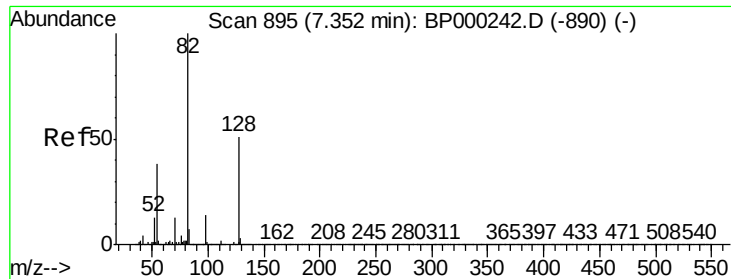
Tot Ion:136	Resp:	802657
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.6 13.0
54	5.4	4.5 6.7
68	5.3	4.5 6.7



#22
Acetophenone
Concen: 48.636 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:105	Resp:	845997
Ion Ratio	Lower	Upper
105	100	
71	5.2	5.2 7.8
51	21.9	16.6 24.8
120	23.3	18.5 27.7

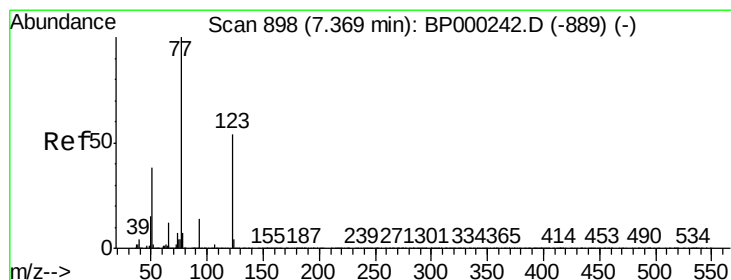
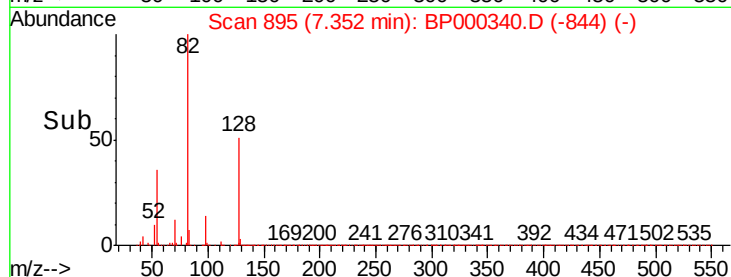
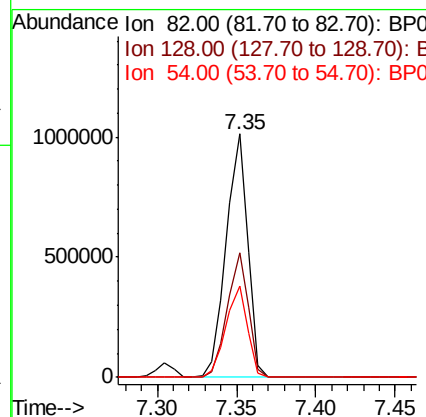
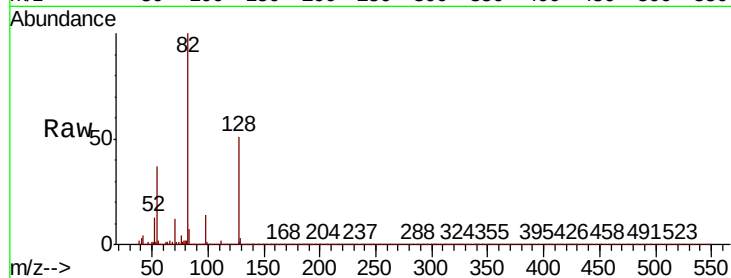




#23
 Nitrobenzene-d5
 Concen: 76.639 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BP000340.D
 Acq: 19 Sep 2019 19:16

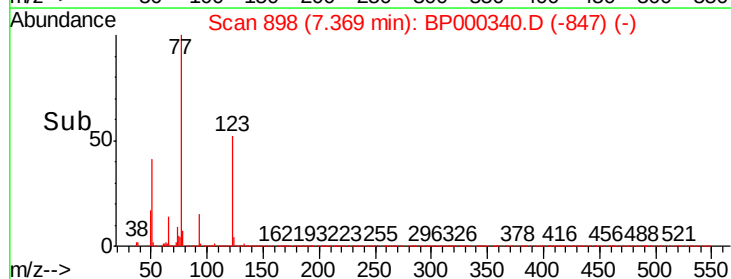
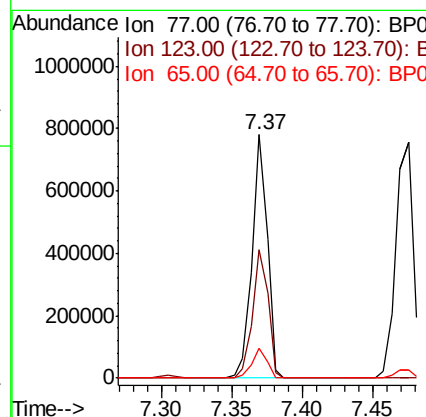
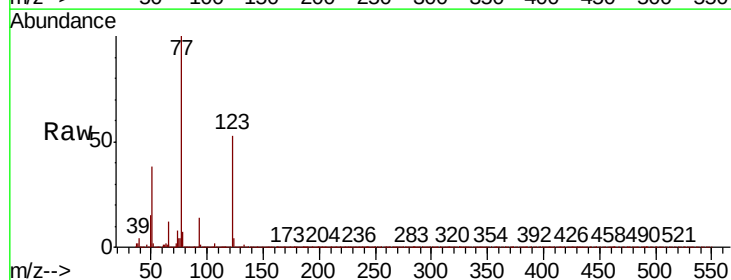
Instrument :
 BNA_P
 ClientSampleId :
 TH-4MSD

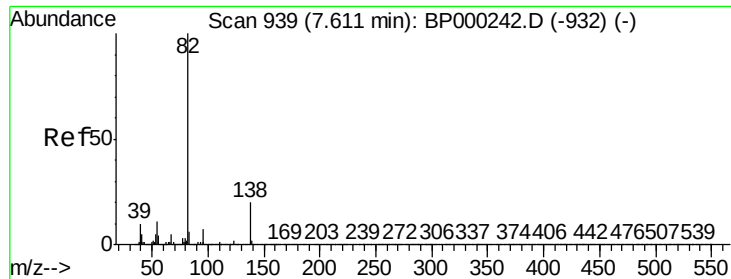
Tot Ion	82	Resp	953434
Ion Ratio	Lower	Upper	
82	100		
128	50.9	40.7	61.1
54	37.3	30.1	45.1



#24
 Nitrobenzene
 Concen: 45.487 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BP000340.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	77	Resp	587770
Ion Ratio	Lower	Upper	
77	100		
123	52.6	43.1	64.7
65	12.4	9.4	14.2





#25

Isophorone

Concen: 43.928 ng

RT: 7.61 min Scan# 939

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

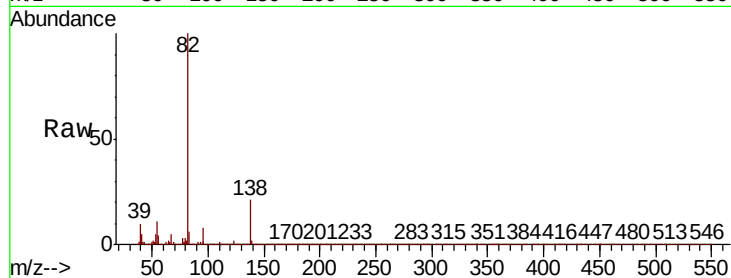
Tot Ion: 82 Resp: 1082118

Ion Ratio Lower Upper

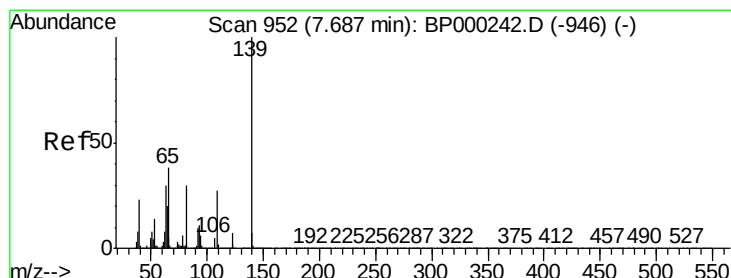
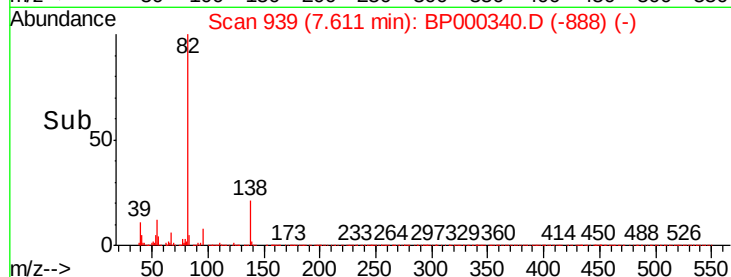
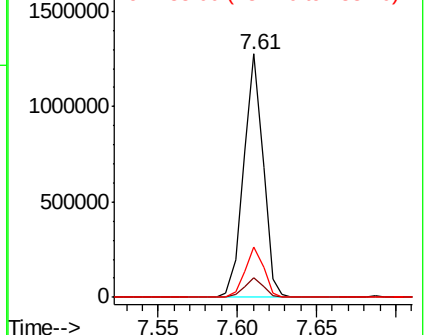
82 100

95 7.9 5.9 8.9

138 20.6 15.9 23.9



Abundance Ion 82.00 (81.70 to 82.70): BPO
Ion 95.00 (94.70 to 95.70): BPO
Ion 138.00 (137.70 to 138.70): BPO



#26

2-Nitrophenol

Concen: 34.908 ng

RT: 7.69 min Scan# 952

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

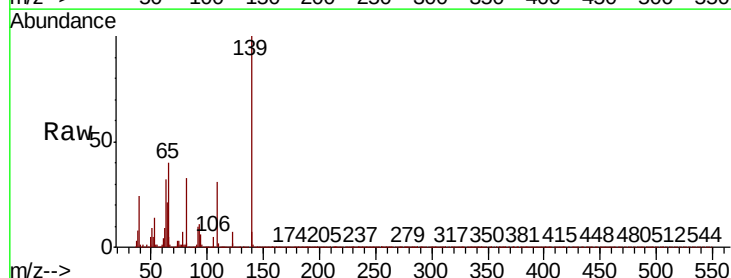
Tgt Ion: 139 Resp: 239130

Ion Ratio Lower Upper

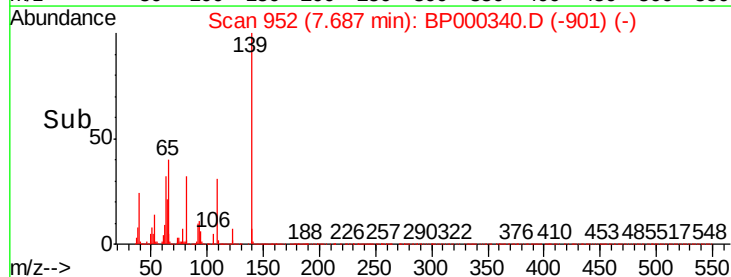
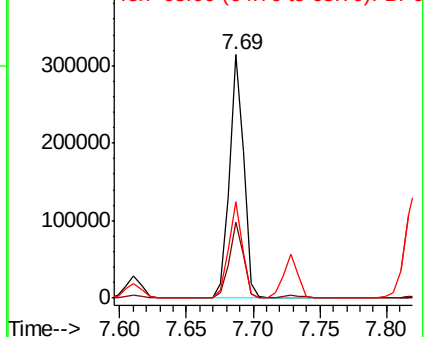
139 100

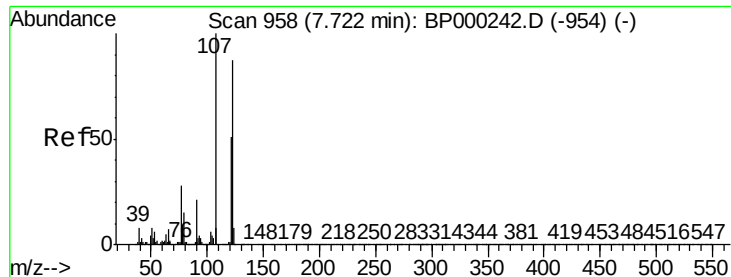
109 30.9 21.8 32.6

65 39.6 30.5 45.7



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BPO

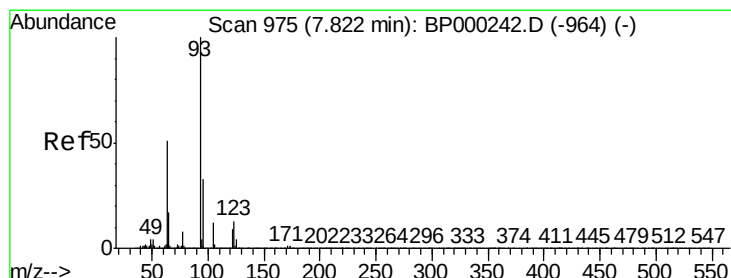
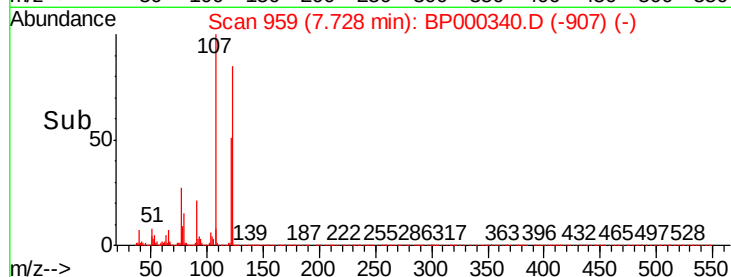
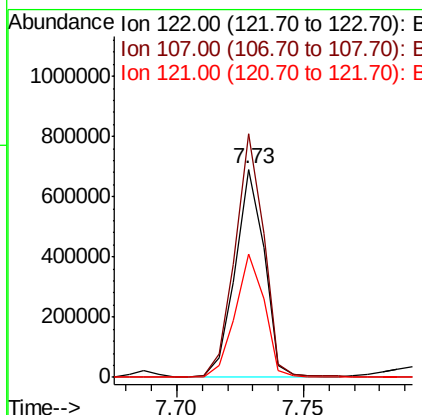
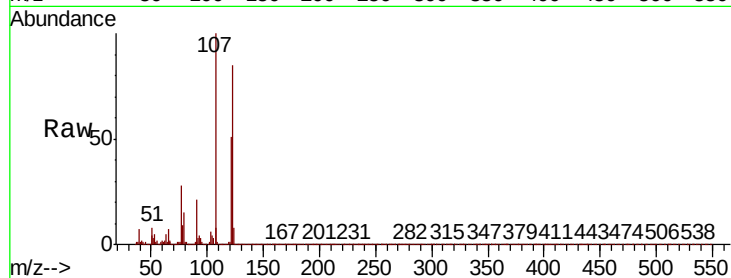




#27
2,4-Dimethylphenol
Concen: 50.668 ng
RT: 7.73 min Scan# 959
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

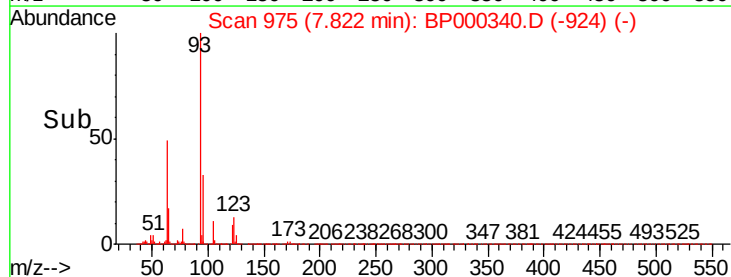
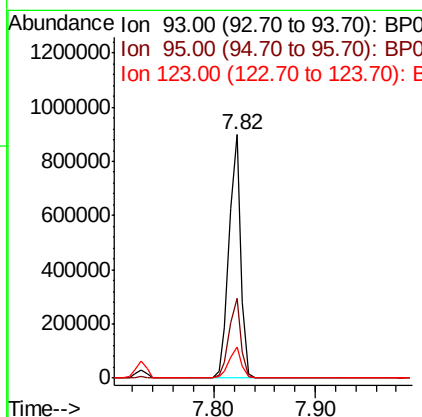
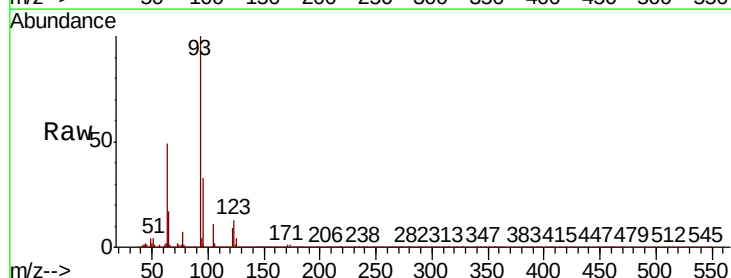
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

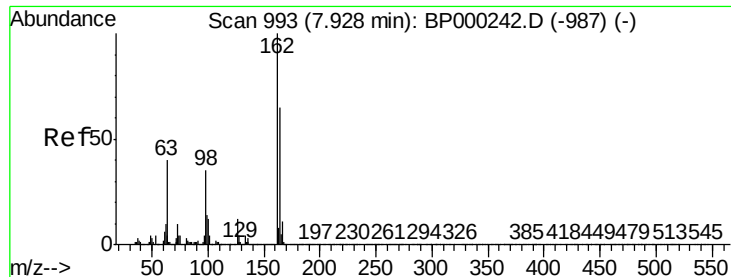
Tot Ion	Ratio	Lower	Upper
122	100		
107	117.2	91.5	137.3
121	59.6	46.9	70.3



#28
bis(2-Chloroethoxy)methane
Concen: 43.886 ng
RT: 7.82 min Scan# 975
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	12.6	10.2	15.2





#29

2,4-Dichlorophenol

Concen: 48.599 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

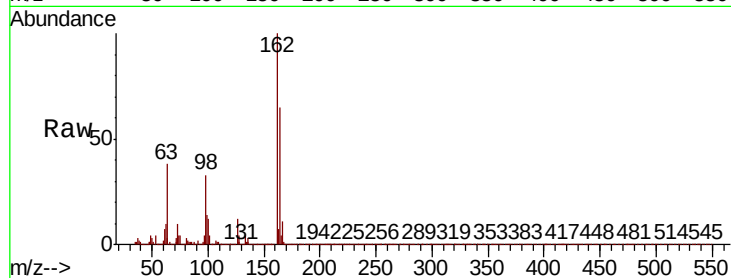
Tot Ion:162 Resp: 568353

Ion Ratio Lower Upper

162 100

164 64.9 44.5 84.5

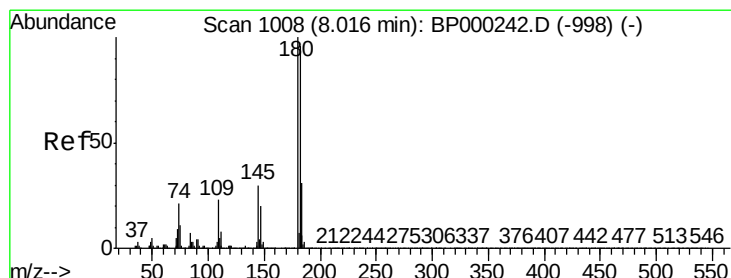
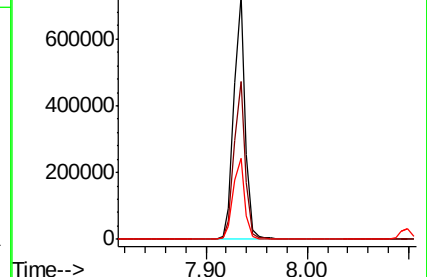
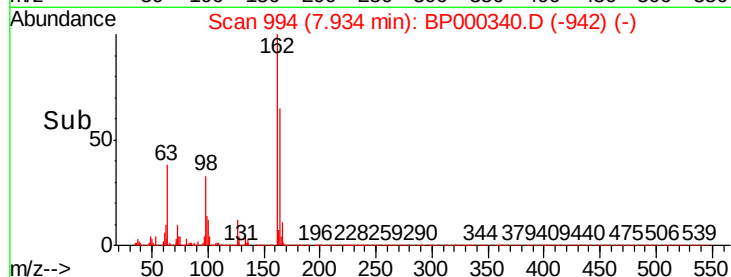
98 33.3 15.2 55.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BP0



#30

1,2,4-Trichlorobenzene

Concen: 46.976 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

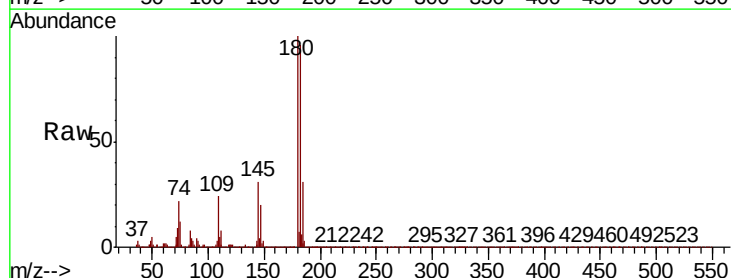
Tgt Ion:180 Resp: 629700

Ion Ratio Lower Upper

180 100

182 95.6 77.2 115.8

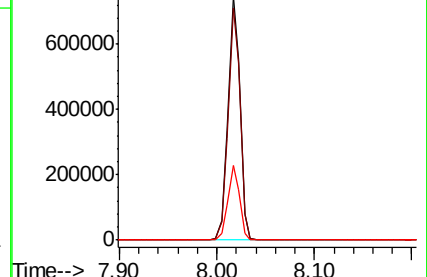
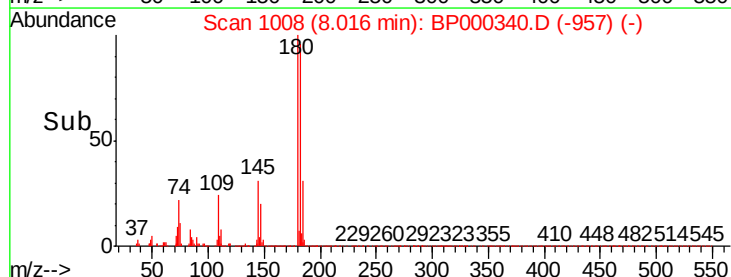
145 30.6 24.3 36.5

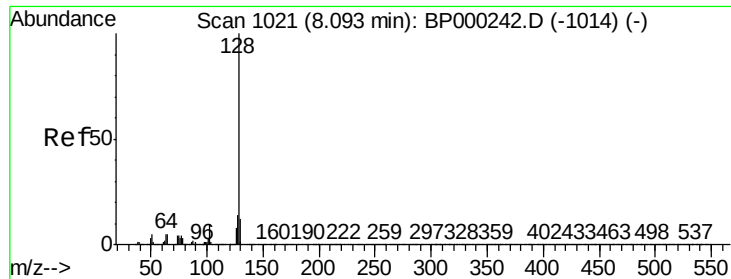


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

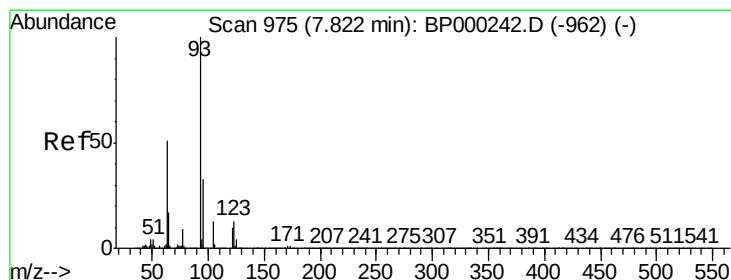
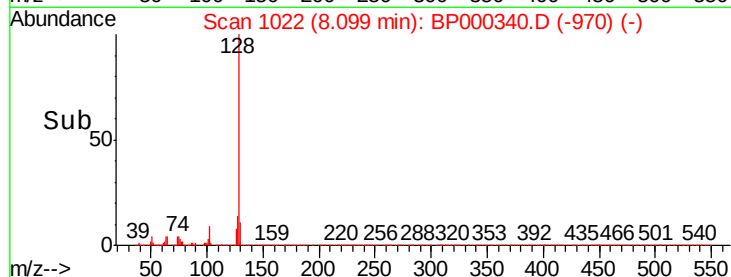
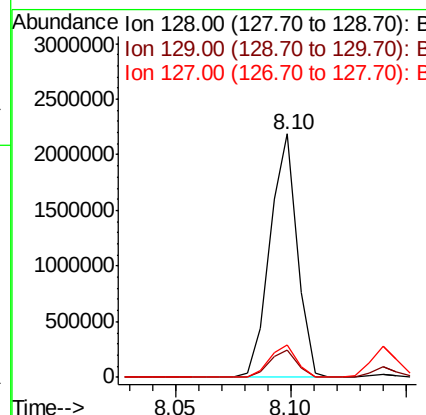
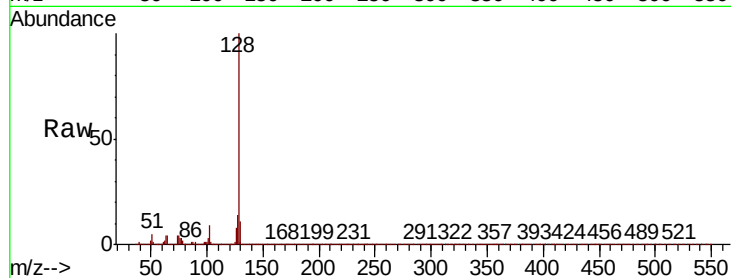




#31
Naphthalene
Concen: 48.295 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

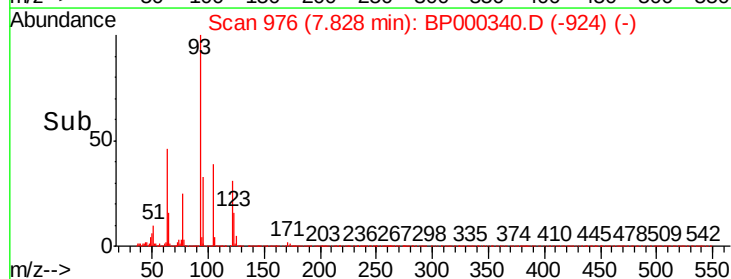
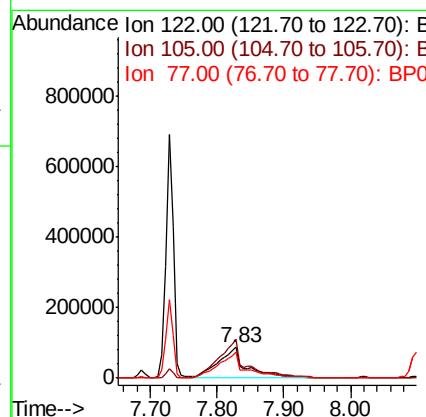
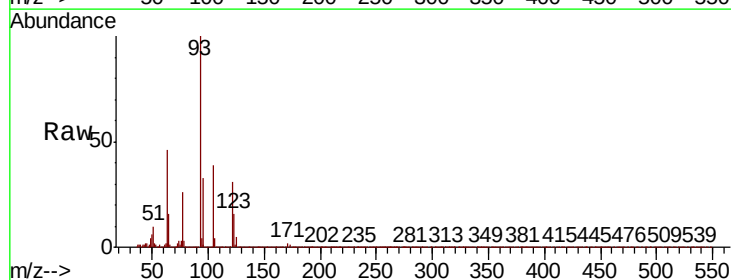
Instrument :
BNA_P
ClientSampled :
TH-4MSD

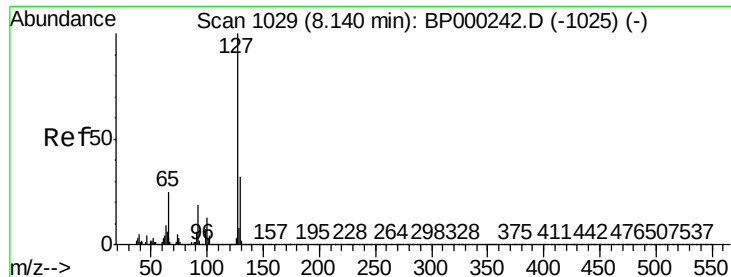
Tot Ion:128 Resp: 1795311
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 13.5 11.0 16.6



#32
Benzoic acid
Concen: 34.154 ng
RT: 7.83 min Scan# 976
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:122 Resp: 251632
Ion Ratio Lower Upper
122 100
105 127.2 105.4 145.4
77 83.5 65.3 105.3

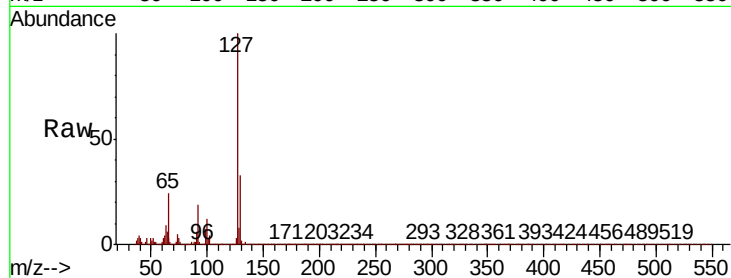




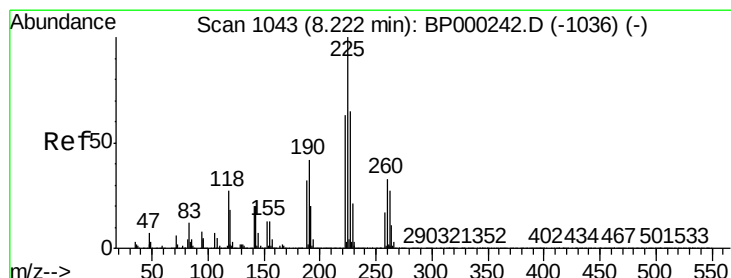
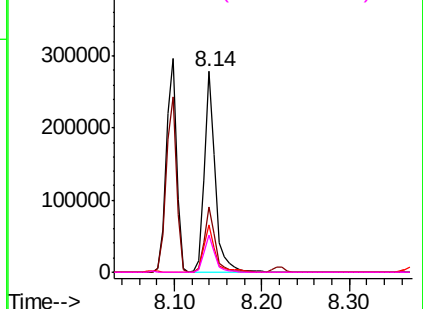
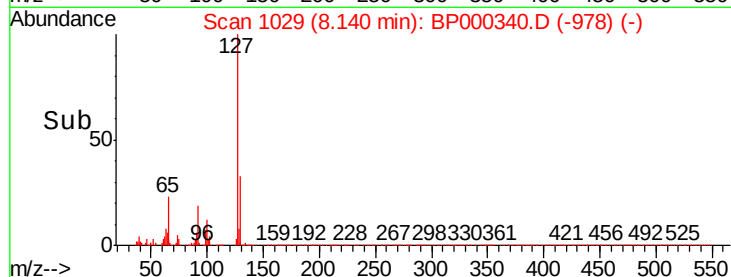
#33
4-Chloroaniline
Concen: 14.271 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Instrument :
BNA_P
ClientSampleId :
TH-4MSD

Tot Ion:	127	Resp:	240085
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.7	38.5
65	23.7	19.9	29.9
92	18.7	15.4	23.0

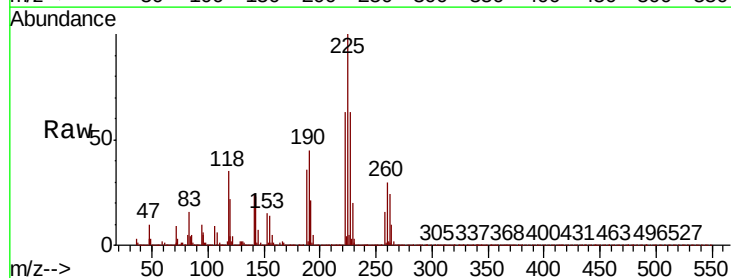


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BP0
Ion 92.00 (91.70 to 92.70): BP0

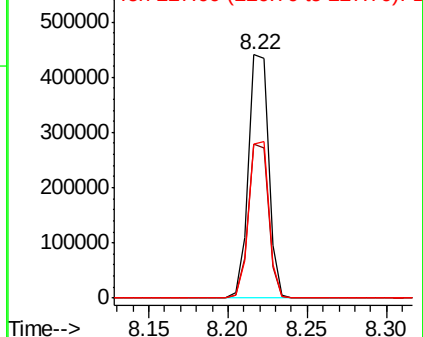
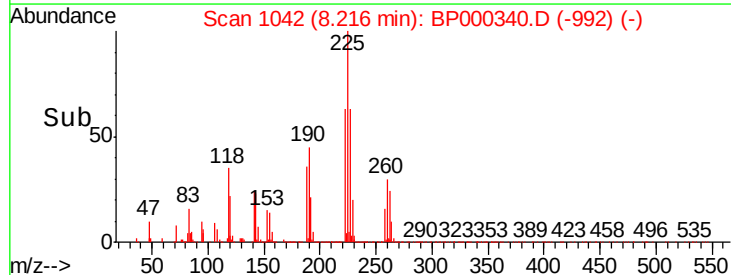


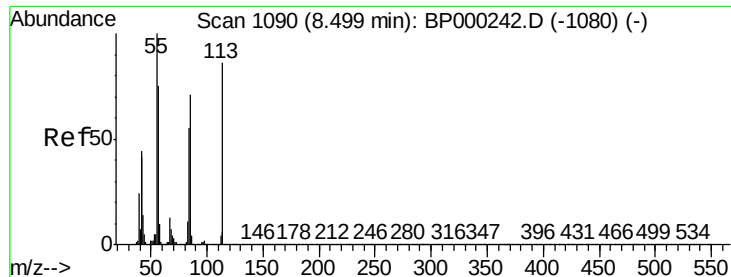
#34
Hexachlorobutadiene
Concen: 48.795 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:	225	Resp:	387550
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.2
227	63.4	51.8	77.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

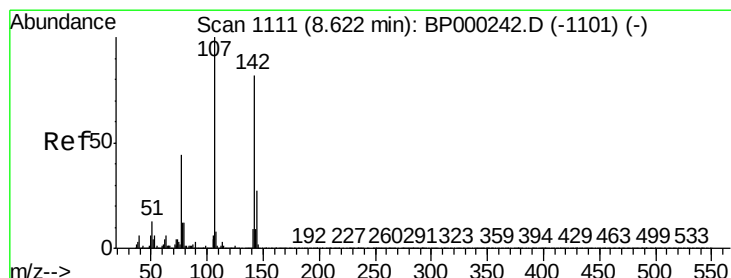
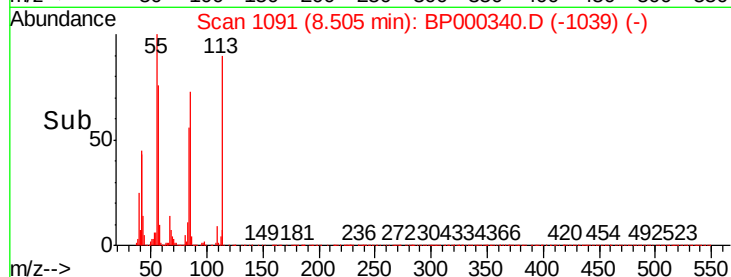
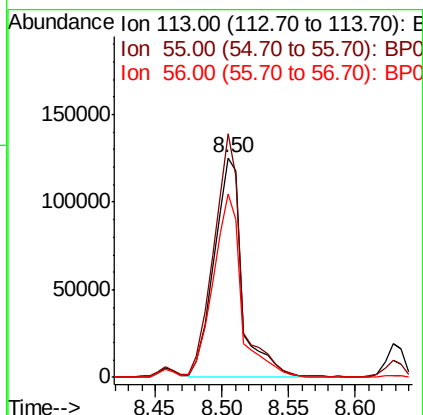
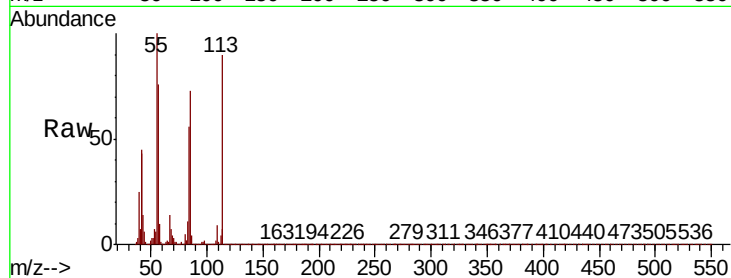




#35
Caprolactam
Concen: 46.355 ng
RT: 8.50 min Scan# 1091
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

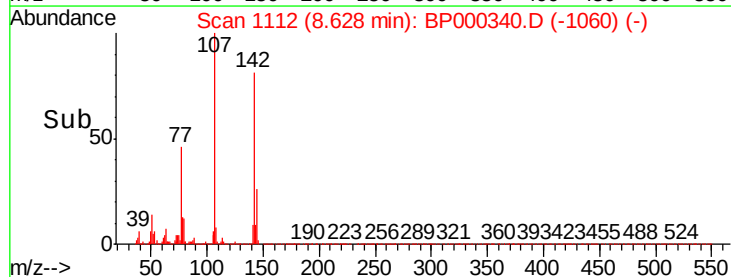
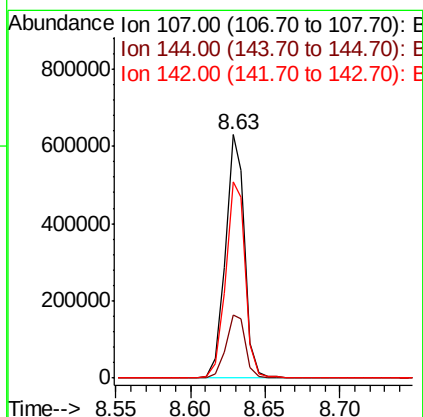
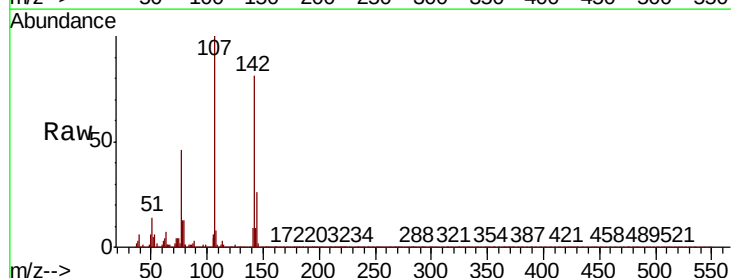
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

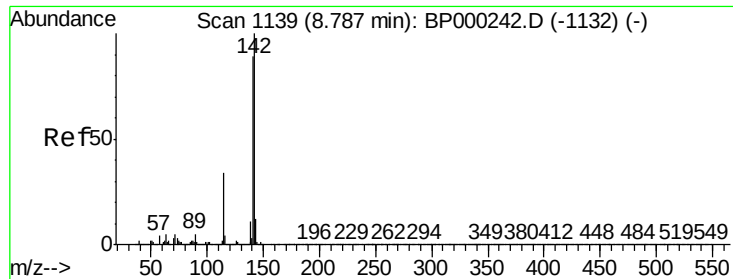
Tot Ion:113 Resp: 184416
Ion Ratio Lower Upper
113 100
55 111.0 96.8 136.8
56 83.9 67.5 107.5



#36
4-Chloro-3-methylphenol
Concen: 48.372 ng
RT: 8.63 min Scan# 1112
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:107 Resp: 574270
Ion Ratio Lower Upper
107 100
144 26.1 21.5 32.3
142 80.8 65.7 98.5

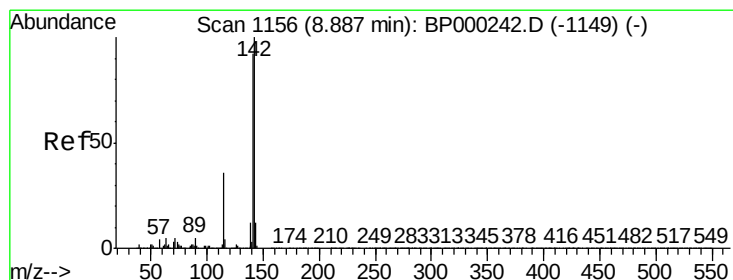
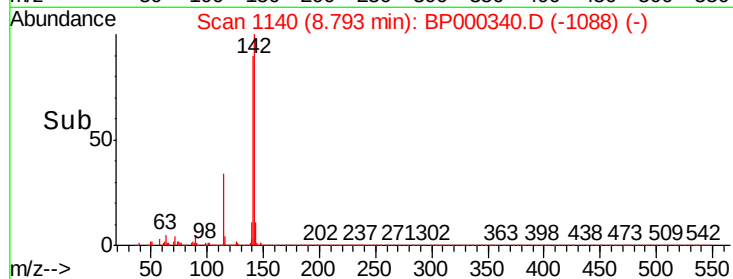
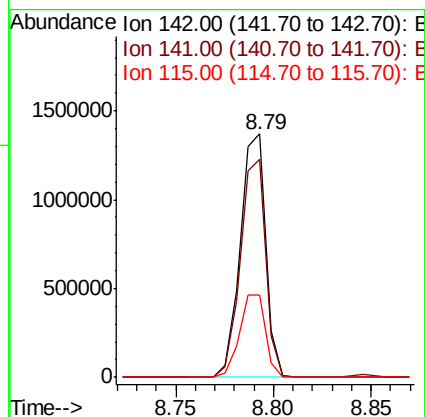
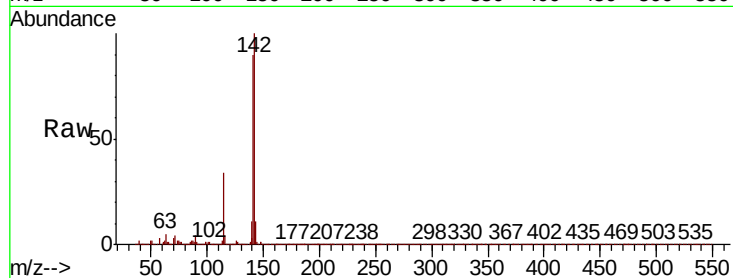




#37
 2-Methylnaphthalene
 Concen: 48.736 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: BP000340.D
 Acq: 19 Sep 2019 19:16

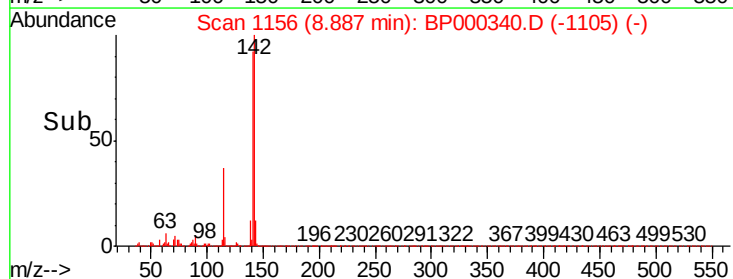
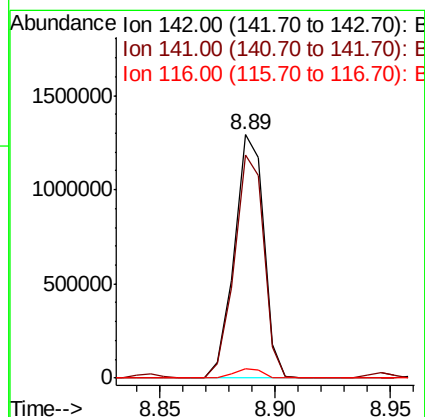
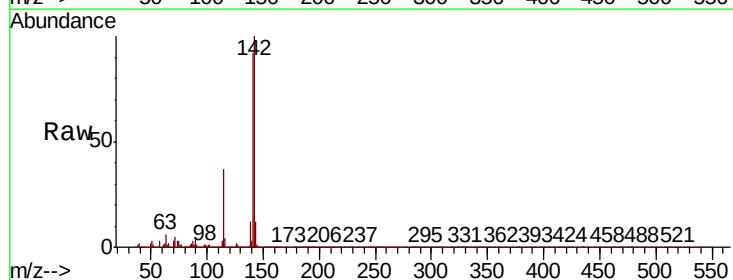
Instrument :
 BNA_P
 ClientSampleId :
 TH-4MSD

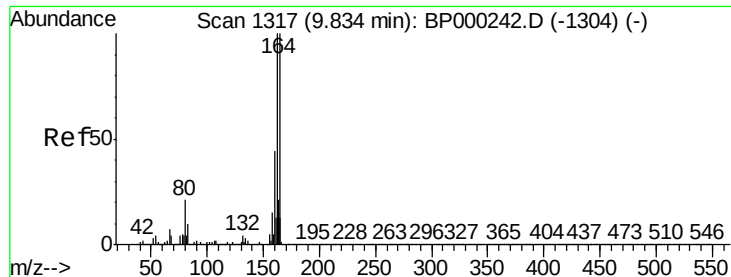
Tot Ion:142 Resp: 1238496
 Ion Ratio Lower Upper
 142 100
 141 89.7 71.3 106.9
 115 33.9 27.2 40.8



#38
 1-Methylnaphthalene
 Concen: 48.304 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BP000340.D
 Acq: 19 Sep 2019 19:16

Tgt Ion:142 Resp: 1149872
 Ion Ratio Lower Upper
 142 100
 141 91.6 73.9 110.9
 116 4.0 3.0 4.6

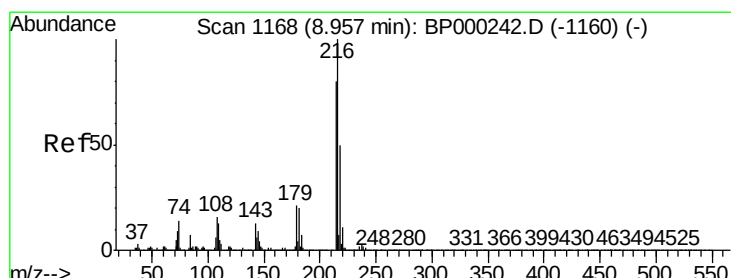
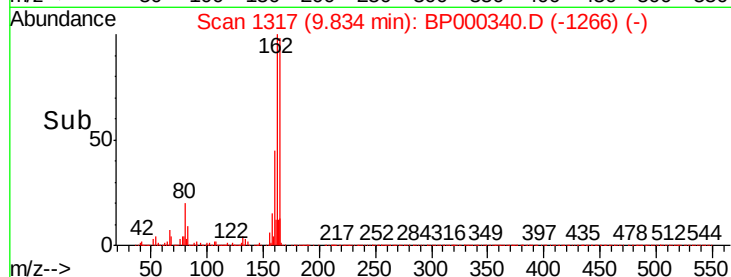
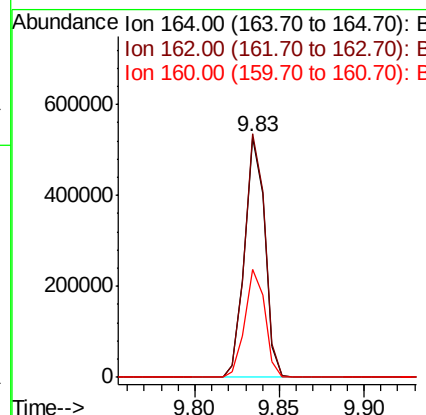
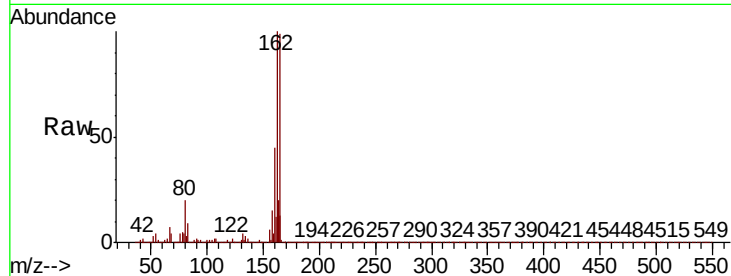




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

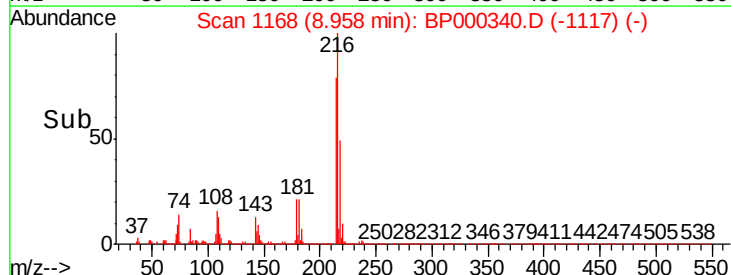
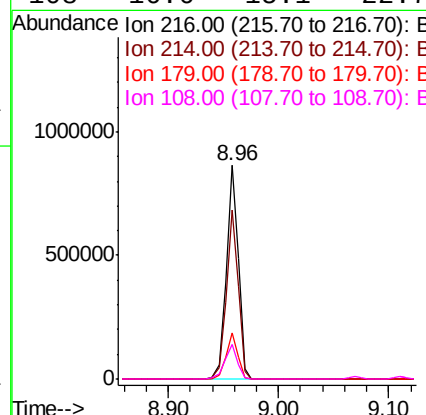
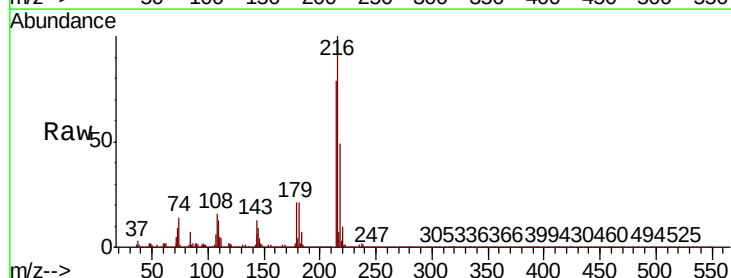
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

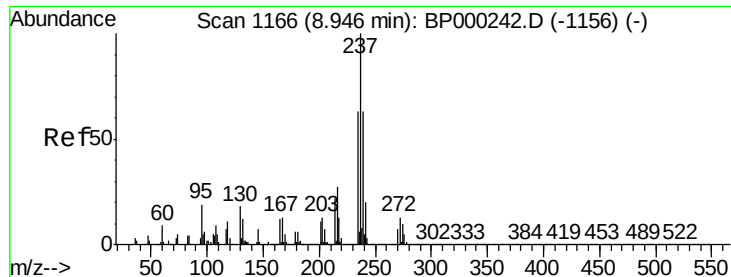
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	79.9	119.9
160	45.2	35.6	53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.066 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.6	95.4
179	20.9	17.0	25.4
108	16.6	15.1	22.7





#41

Hexachlorocyclopentadiene

Concen: 27.103 ng

RT: 8.95 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

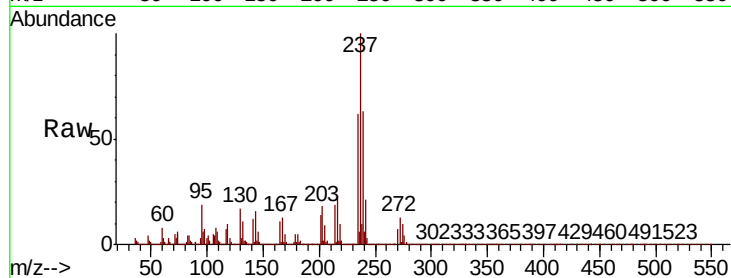
Tot Ion:237 Resp: 195148

Ion Ratio Lower Upper

237 100

235 61.6 43.5 83.5

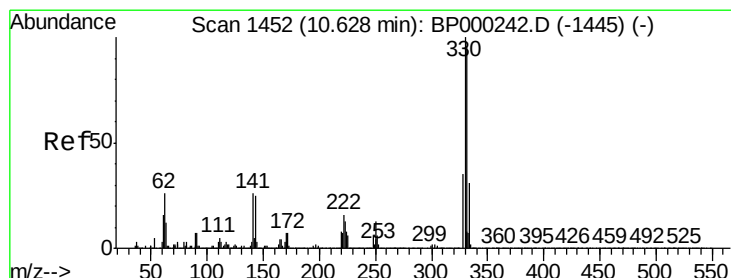
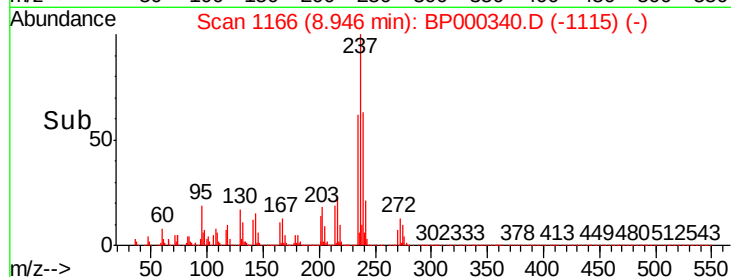
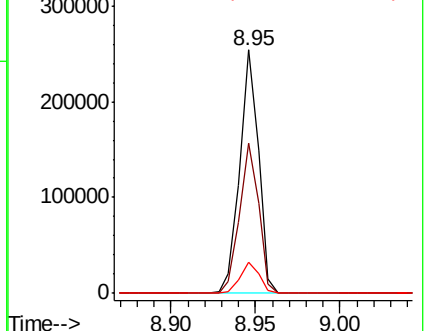
272 12.7 0.0 33.0



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 125.822 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

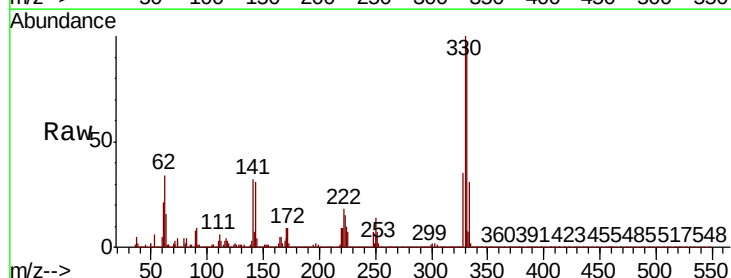
Tgt Ion:330 Resp: 547303

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

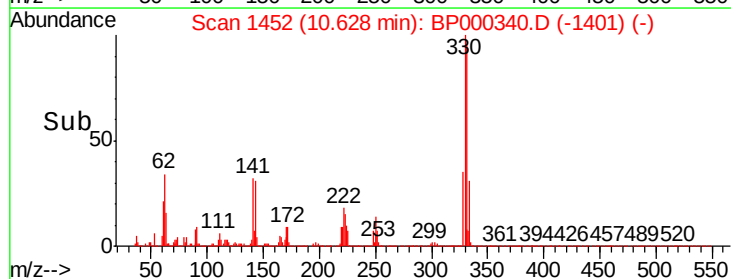
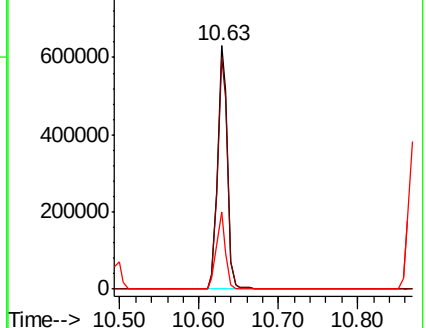
141 29.5 26.5 39.7

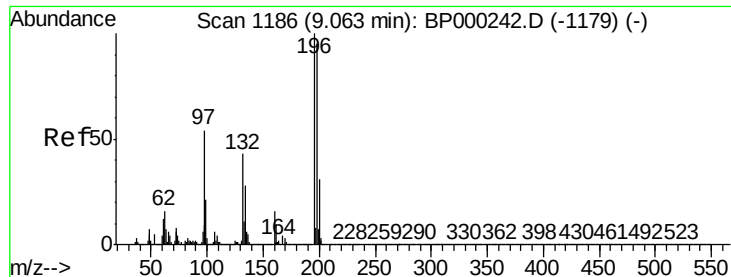


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

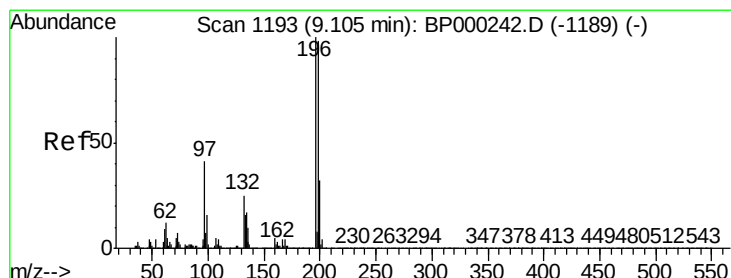
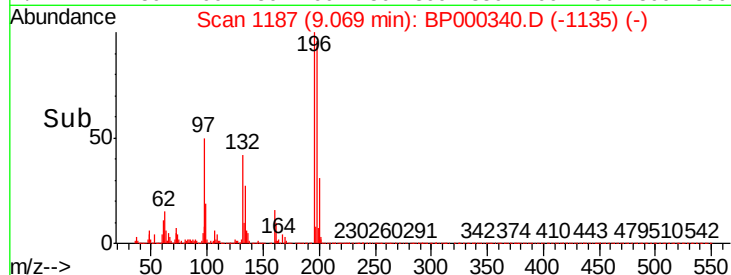
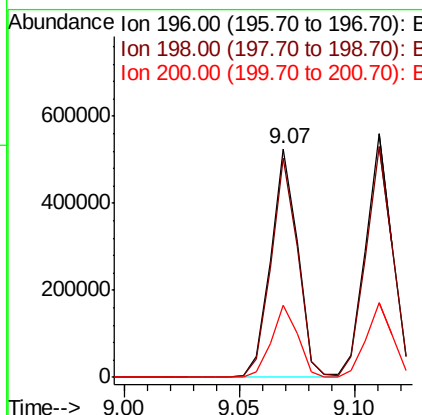
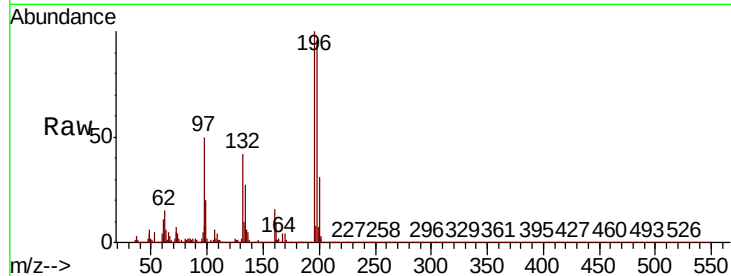




#43
2,4,6-Trichlorophenol
Concen: 48.847 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

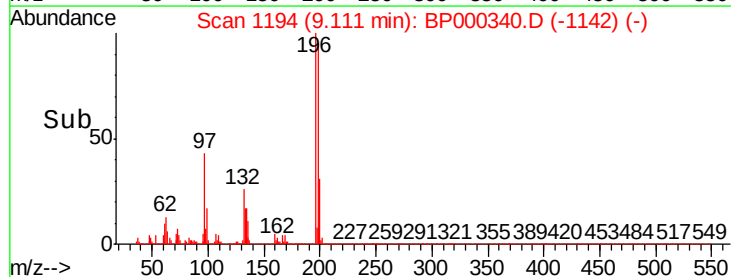
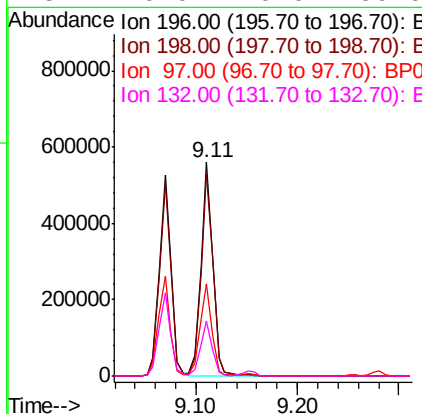
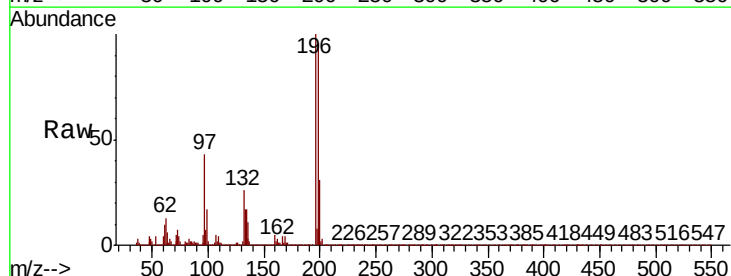
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

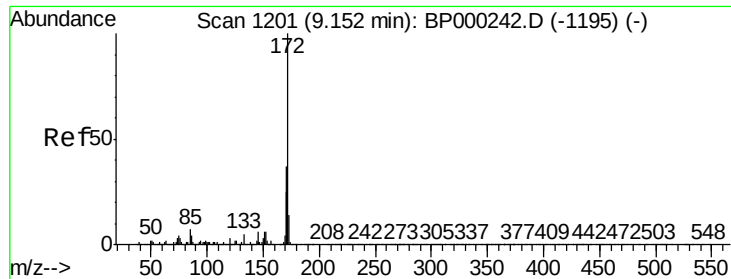
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.0	114.0
200	31.4	24.6	37.0



#44
2,4,5-Trichlorophenol
Concen: 51.094 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.6	78.1	117.1
97	43.3	33.3	49.9
132	26.0	20.0	30.0

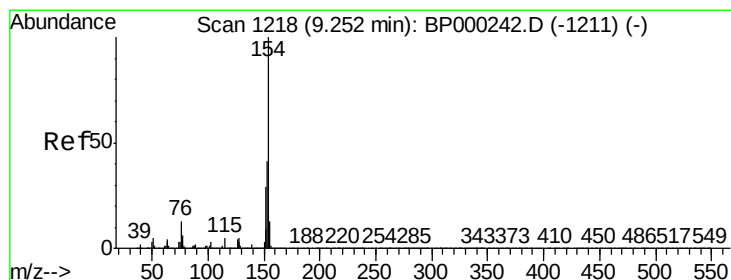
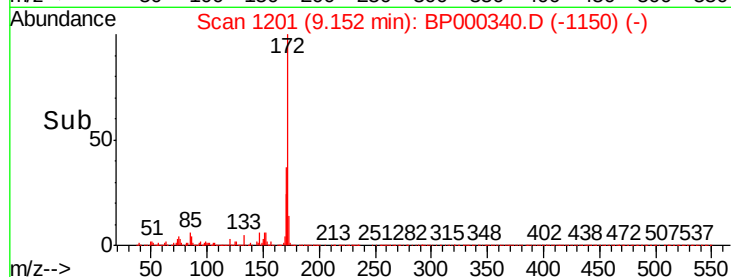
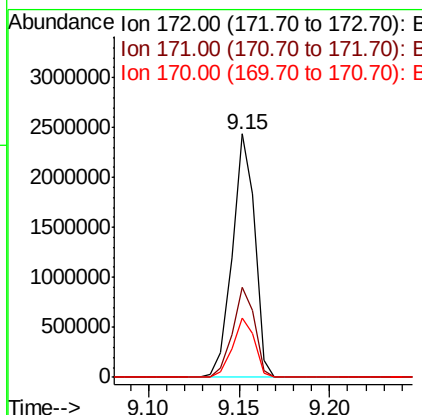
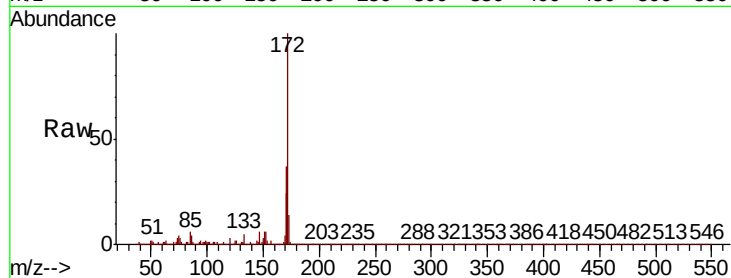




#45
2-Fluorobiphenyl
Concen: 85.841 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

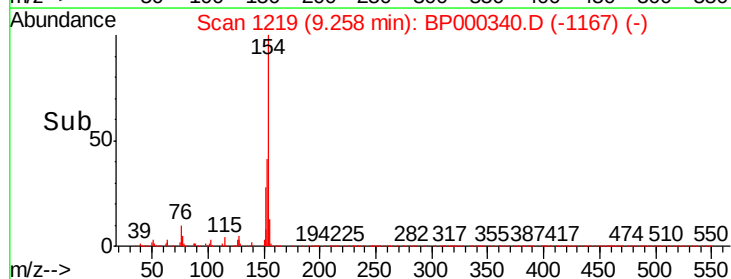
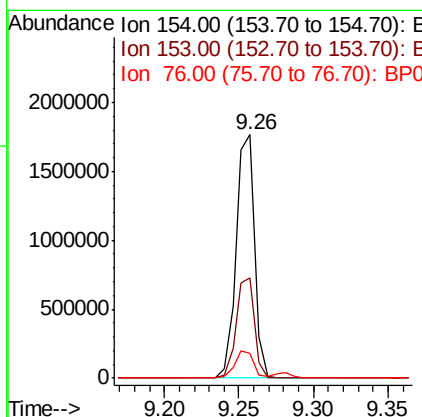
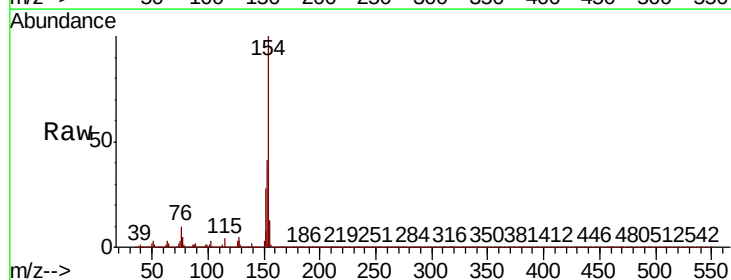
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

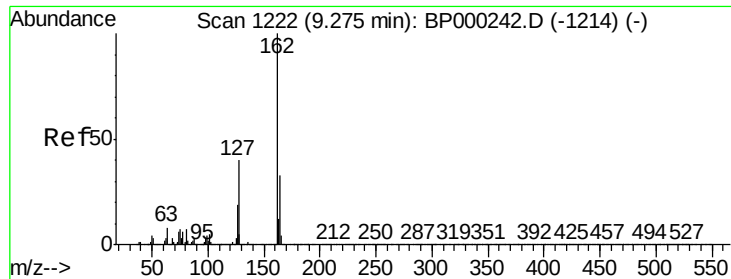
Tot Ion:172 Resp: 2091649
Ion Ratio Lower Upper
172 100
171 37.0 29.8 44.6
170 24.3 19.8 29.6



#46
1,1'-Biphenyl
Concen: 50.311 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:154 Resp: 1526328
Ion Ratio Lower Upper
154 100
153 41.2 21.4 61.4
76 10.1 0.0 33.4





#47

2-Chloronaphthalene

Concen: 46.799 ng

RT: 9.28 min Scan# 1223

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

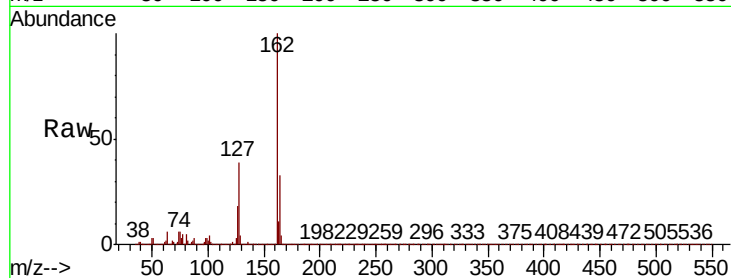
Tot Ion:162 Resp: 1191006

Ion Ratio Lower Upper

162 100

127 38.9 32.4 48.6

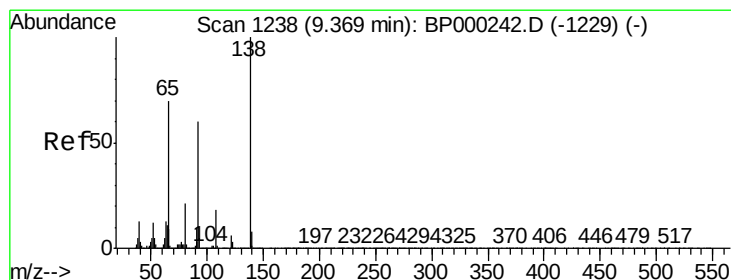
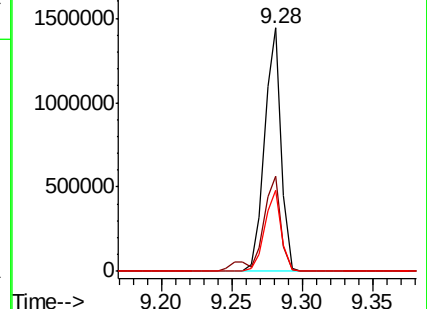
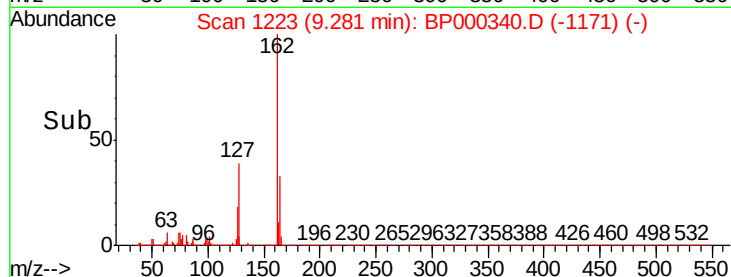
164 33.4 26.3 39.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 46.616 ng

RT: 9.37 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

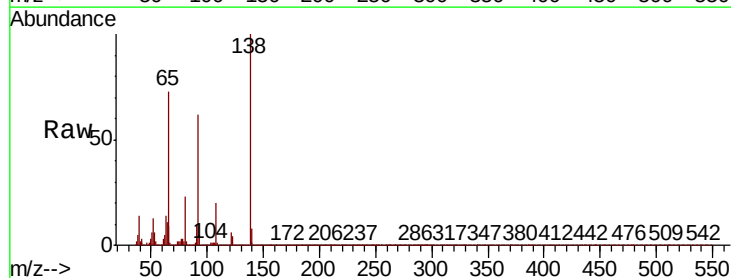
Tgt Ion: 65 Resp: 301267

Ion Ratio Lower Upper

65 100

92 84.9 68.7 103.1

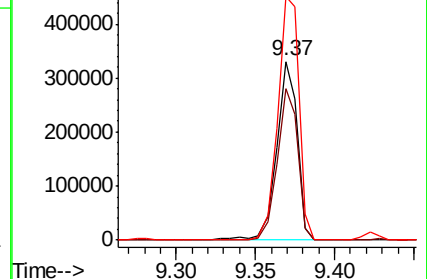
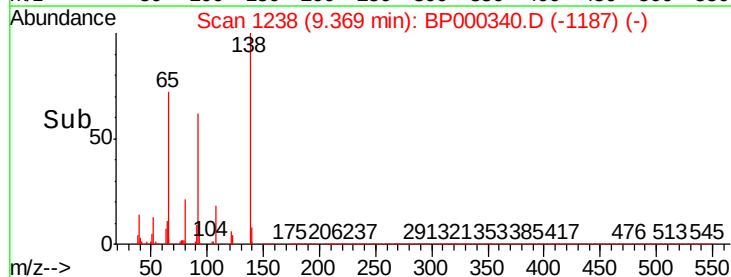
138 136.3 114.4 171.6

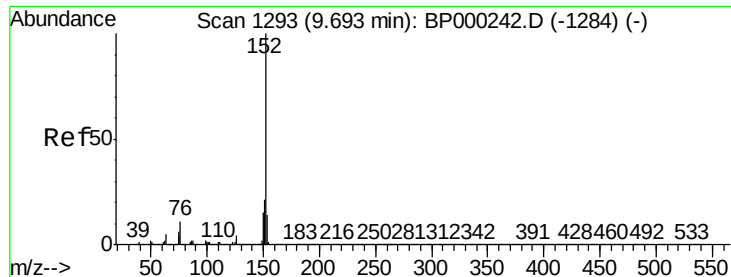


Abundance Ion 65.00 (64.70 to 65.70): BP0

Ion 92.00 (91.70 to 92.70): BP0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 48.697 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

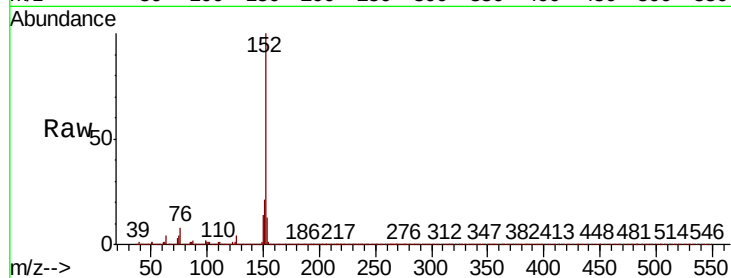
Tot Ion:152 Resp: 1862894

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.4	24.6
153	13.3	11.0	16.4

152 100

151 20.7 16.4 24.6

153 13.3 11.0 16.4

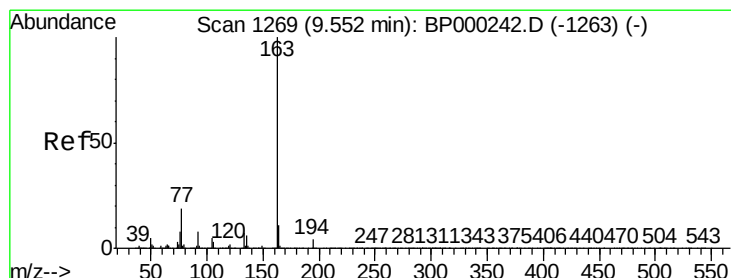
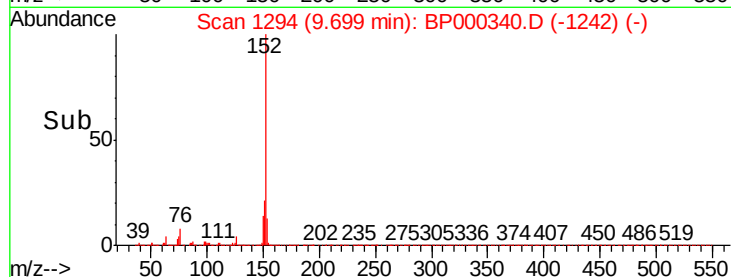
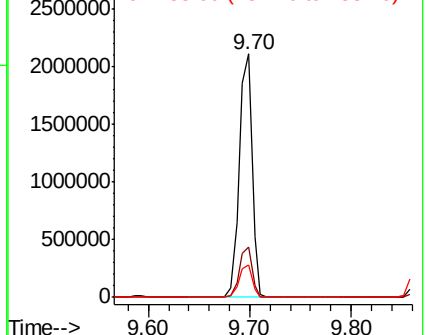


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 55.227 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

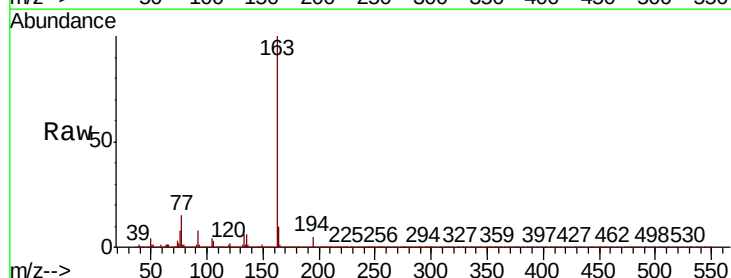
Tgt Ion:163 Resp: 1650134

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.0	8.5	12.7

163 100

194 4.6 3.4 5.0

164 10.0 8.5 12.7

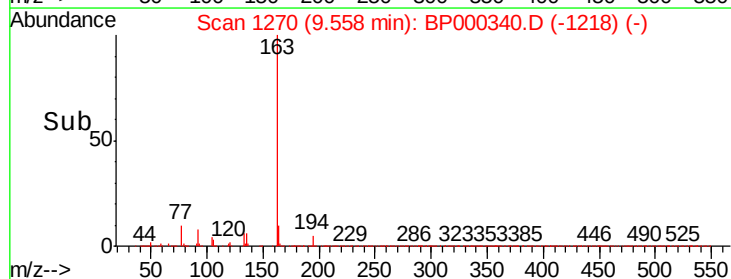
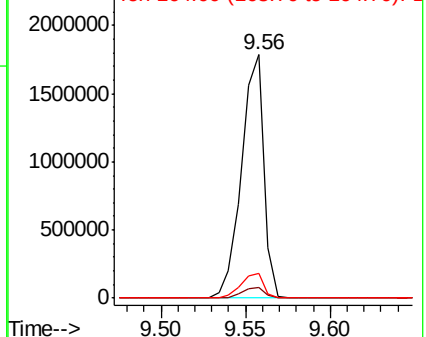


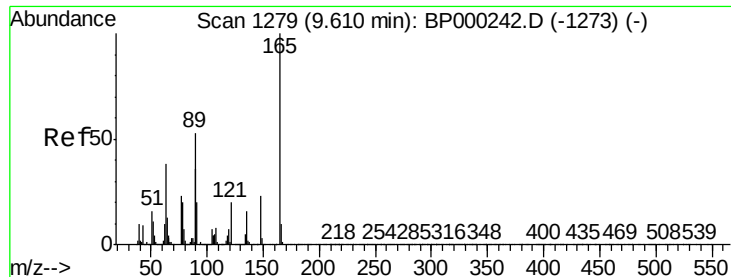
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 45.209 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

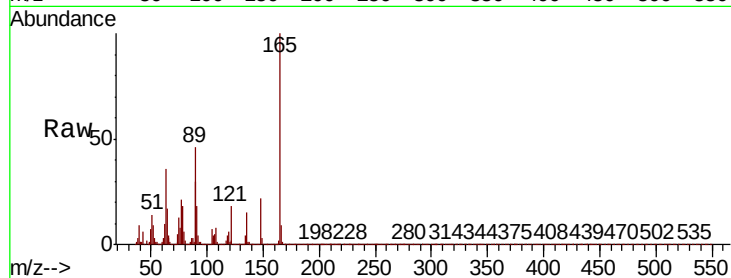
Tot Ion:165 Resp: 297008

Ion Ratio Lower Upper

165 100

63 36.2 35.8 53.8

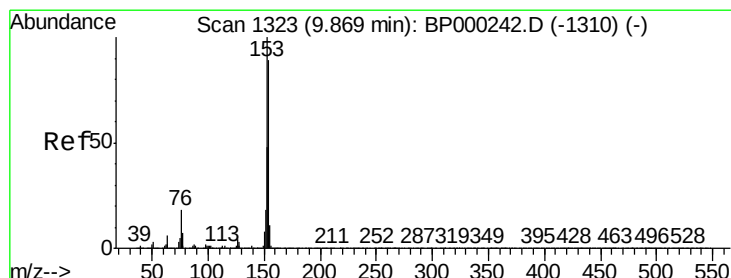
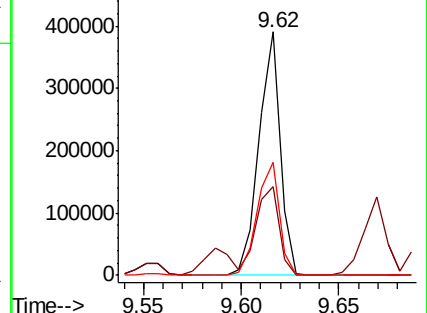
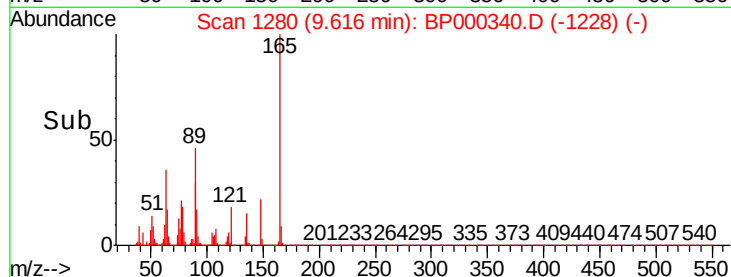
89 46.3 42.6 63.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0



#52

Acenaphthene

Concen: 44.623 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

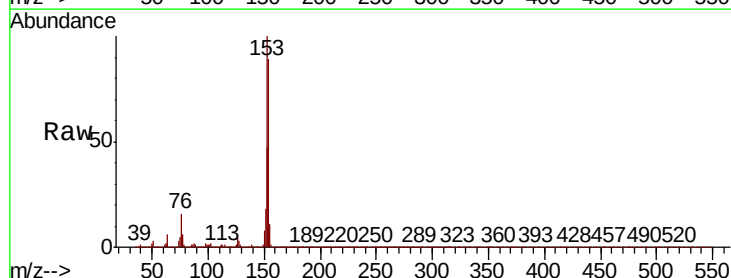
Tgt Ion:154 Resp: 1077242

Ion Ratio Lower Upper

154 100

153 112.6 89.8 134.6

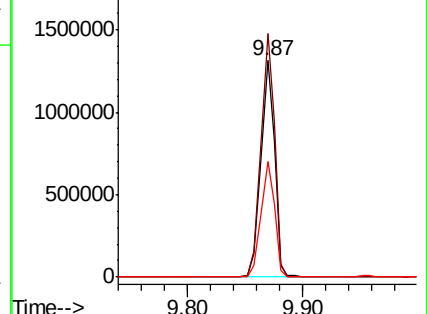
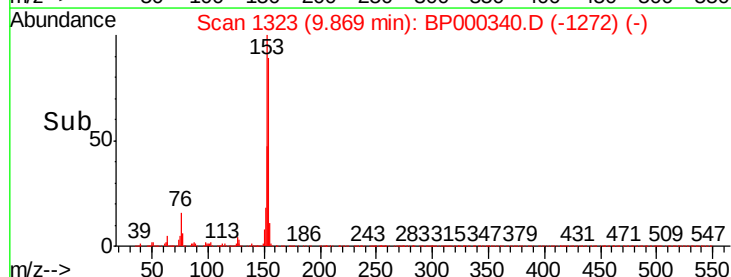
152 53.5 43.4 65.0

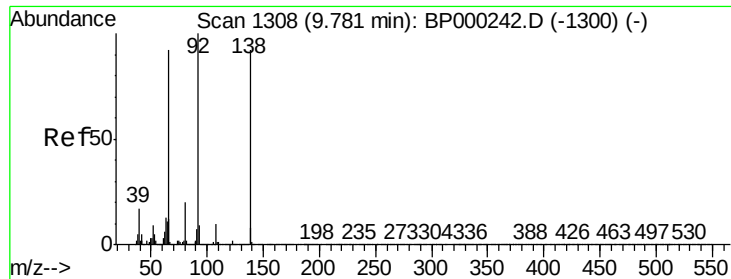


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

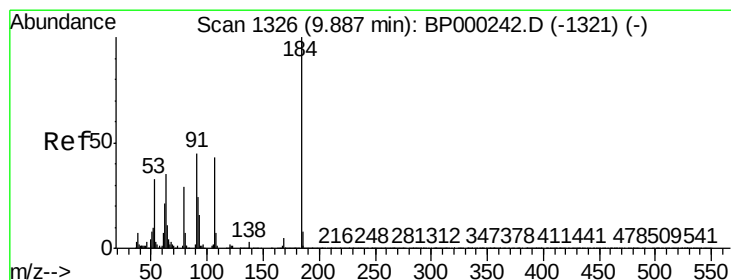
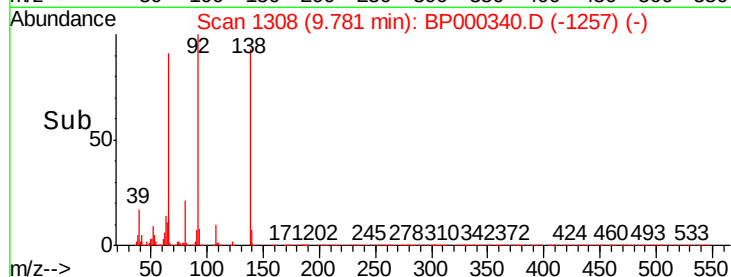
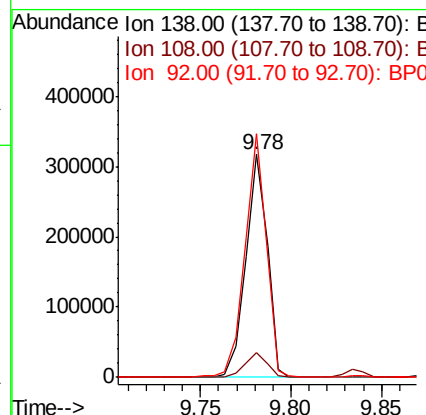
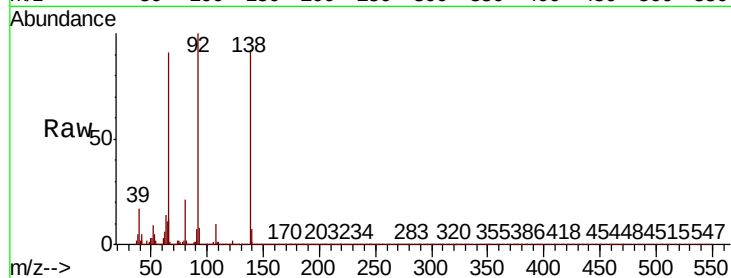




#53
3-Nitroaniline
Concen: 34.191 ng
RT: 9.78 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

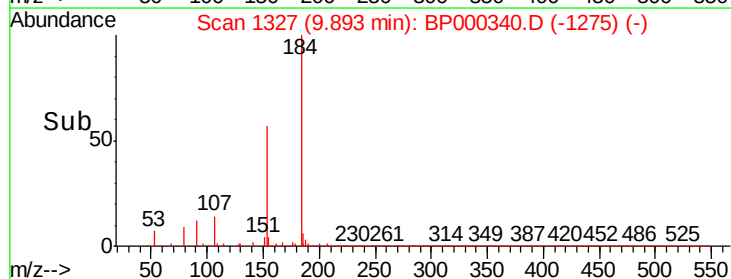
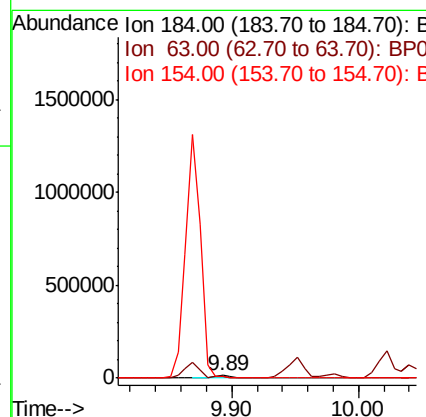
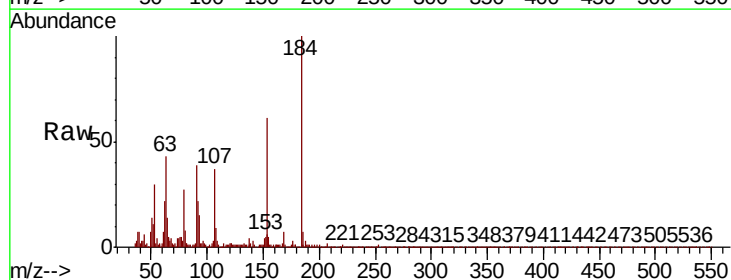
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

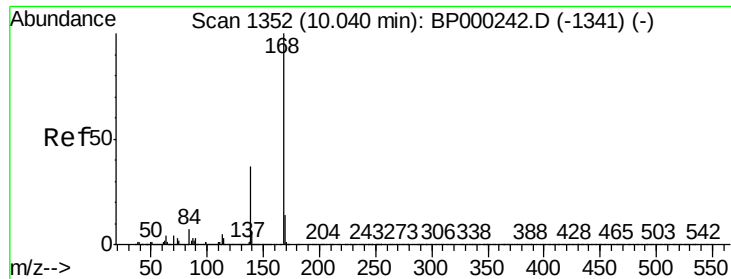
Tot Ion:138 Resp: 260730
Ion Ratio Lower Upper
138 100
108 11.2 9.1 13.7
92 109.3 86.7 130.1



#54
2,4-Dinitrophenol
Concen: 4.692 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:184 Resp: 13618
Ion Ratio Lower Upper
184 100
63 42.9 39.5 59.3
154 60.8 48.8 73.2

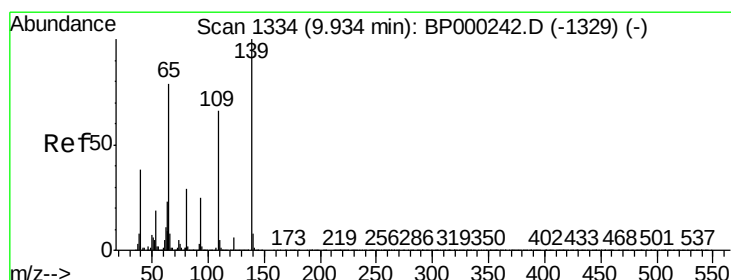
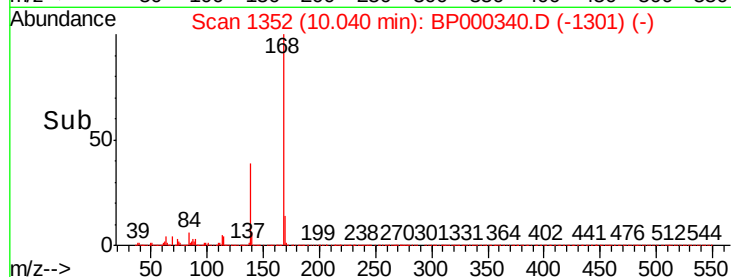
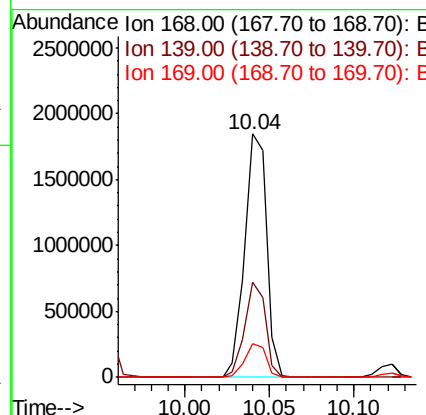
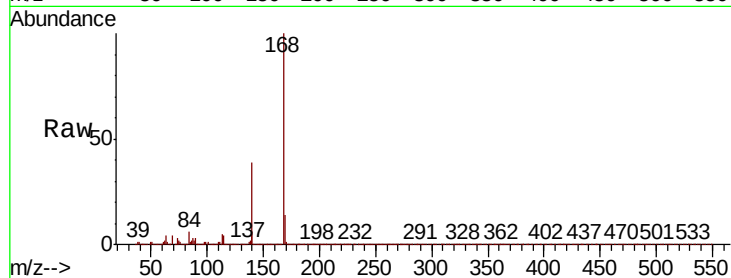




#55
Dibenzofuran
Concen: 48.970 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

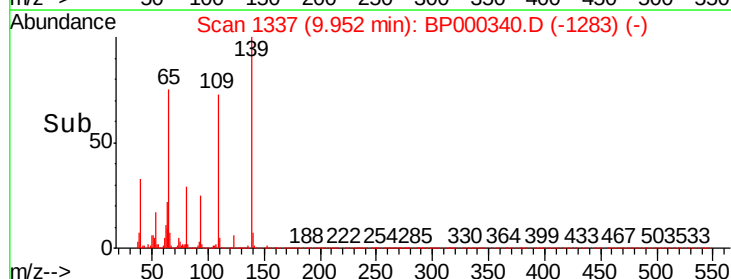
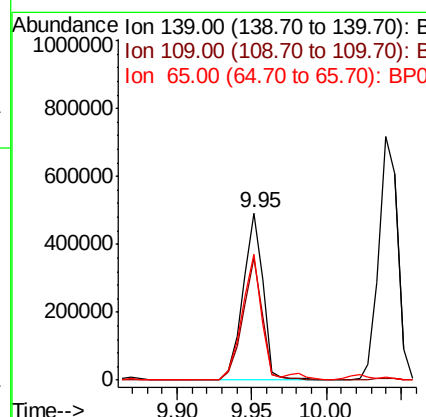
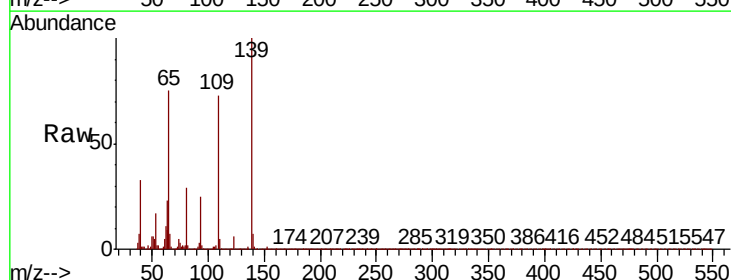
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

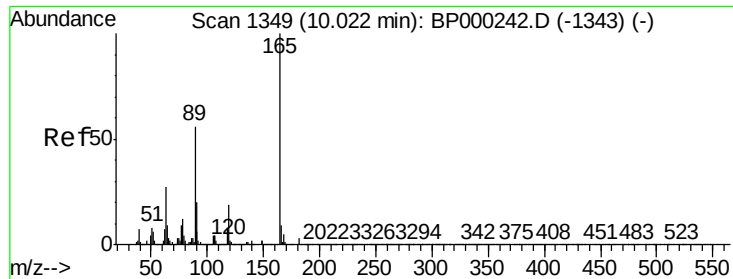
Tot Ion:168 Resp: 1671176
Ion Ratio Lower Upper
168 100
139 38.8 30.0 45.0
169 14.0 11.0 16.6



#56
4-Nitrophenol
Concen: 81.781 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.02 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:139 Resp: 463841
Ion Ratio Lower Upper
139 100
109 72.8 46.2 86.2
65 75.1 59.4 99.4

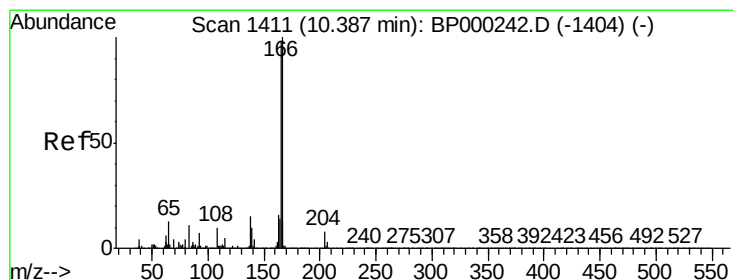
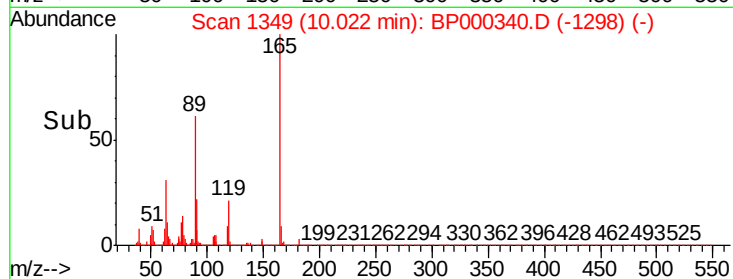
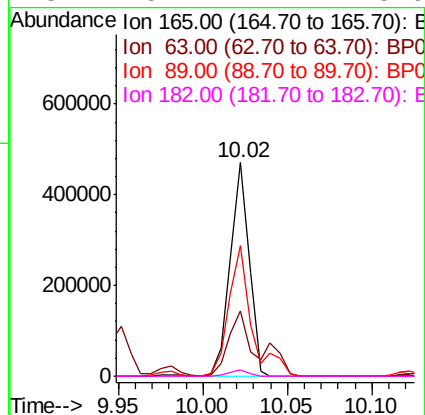
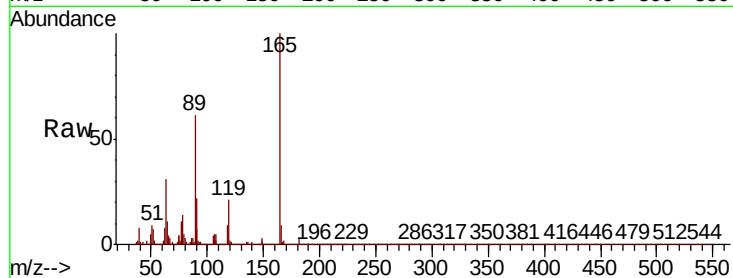




#57
2,4-Dinitrotoluene
Concen: 42.617 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

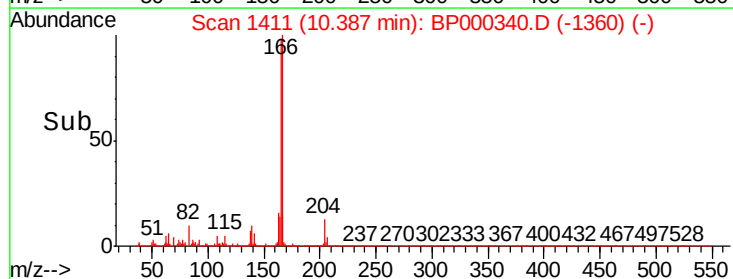
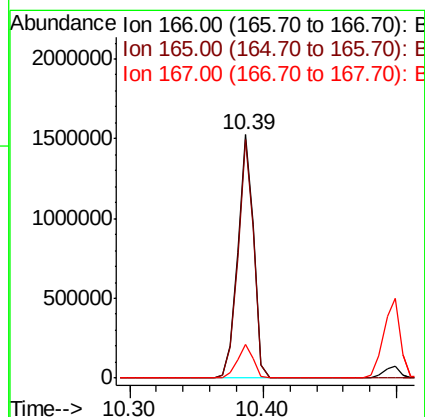
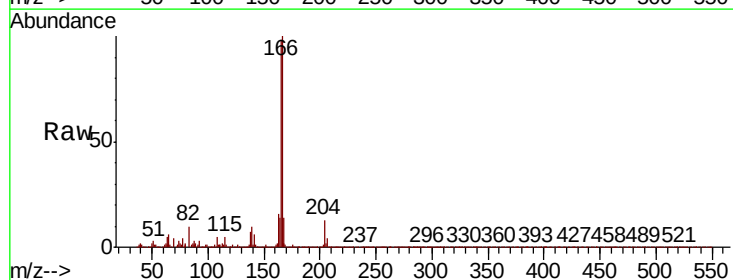
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

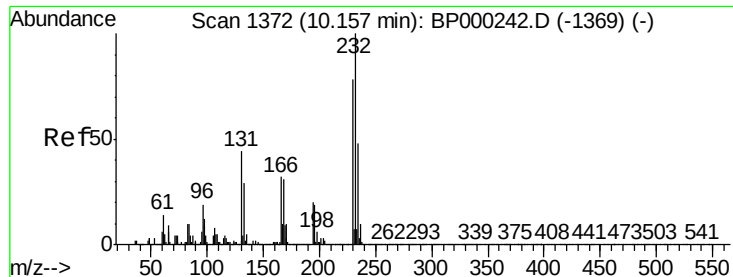
Tot Ion:165	Resp:	366016
Ion	Ratio	Lower Upper
165	100	
63	30.6	21.7 32.5
89	61.0	45.0 67.6
182	3.1	2.4 3.6



#58
Fluorene
Concen: 48.033 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:166	Resp:	1266126
Ion	Ratio	Lower Upper
166	100	
165	98.0	78.2 117.2
167	13.6	10.7 16.1

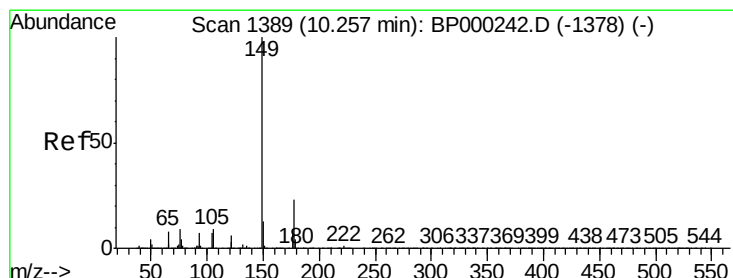
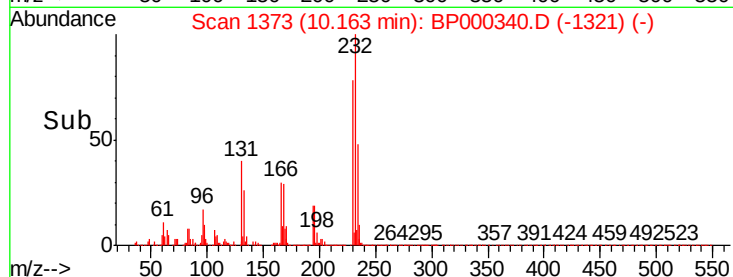
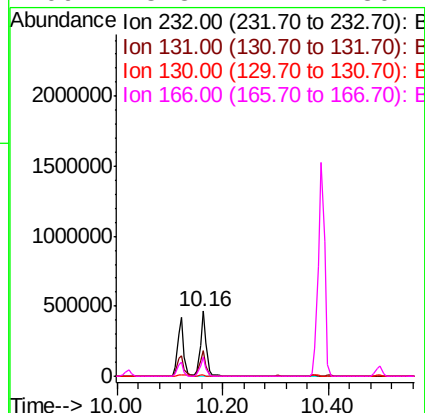
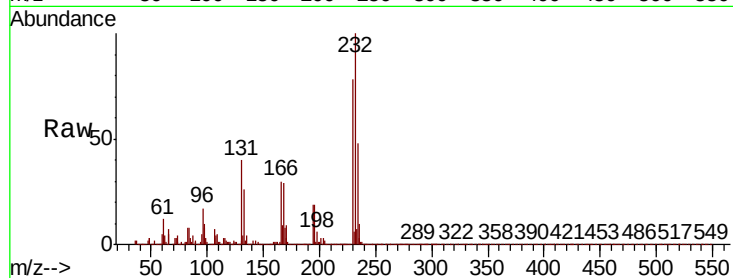




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.956 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

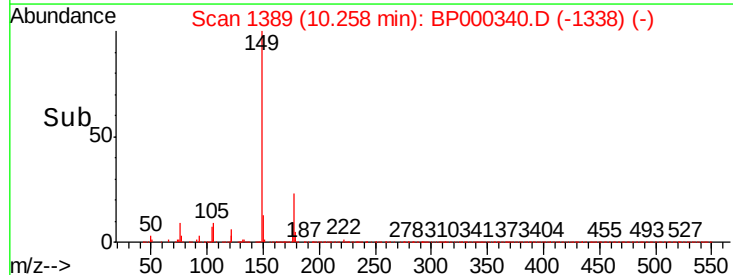
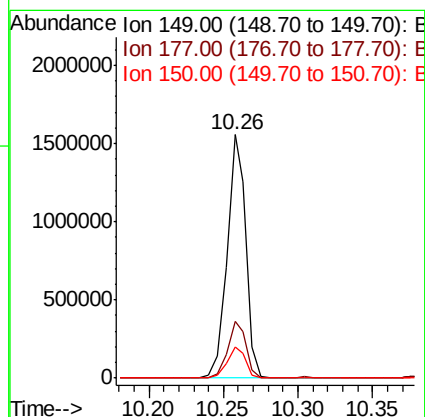
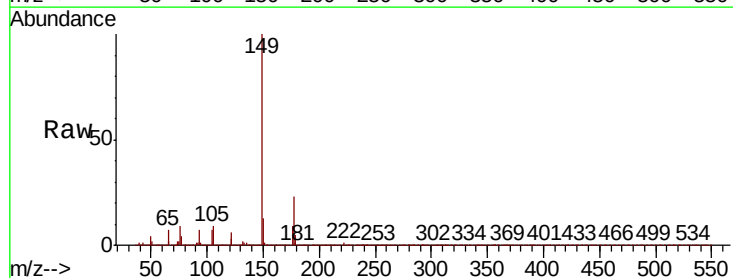
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

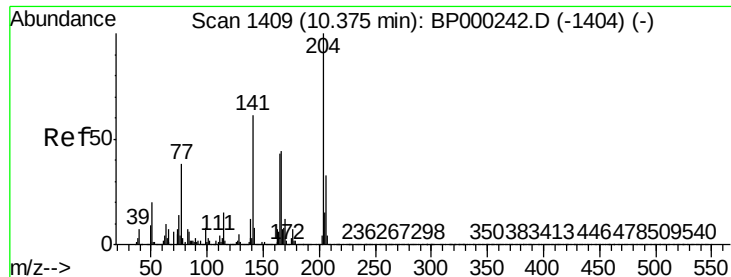
Tot Ion	Ratio	Lower	Upper
232	100		
131	38.3	33.6	50.4
130	2.0	1.8	2.6
166	28.3	24.2	36.2



#60
Diethylphthalate
Concen: 47.744 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.1	27.1
150	13.1	10.3	15.5

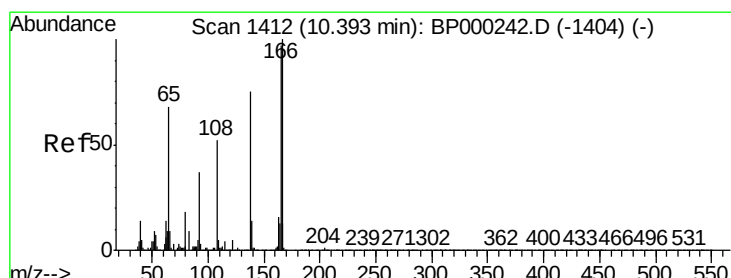
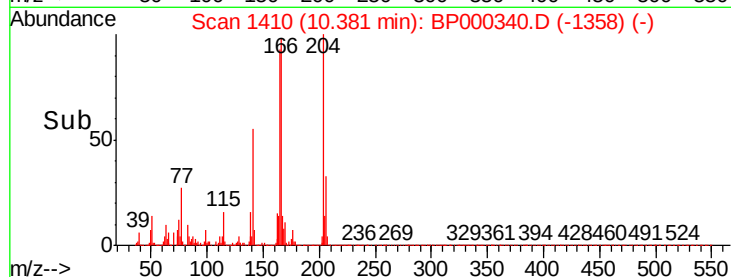
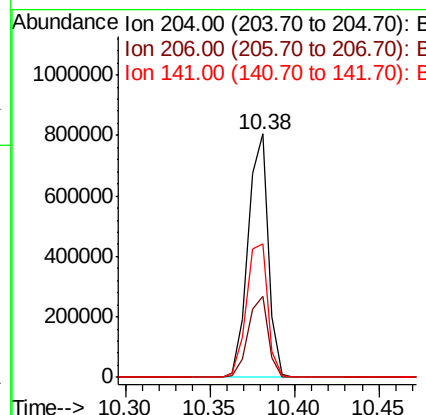
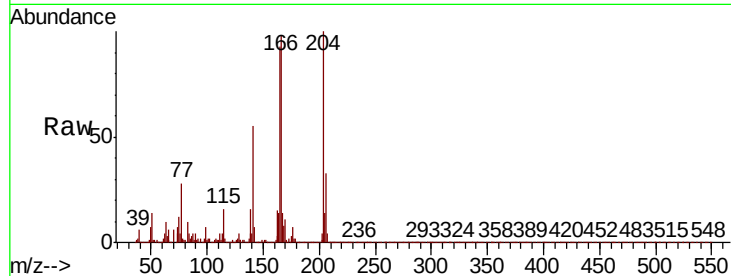




#61
4-Chlorophenyl-phenylether
Concen: 49.468 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

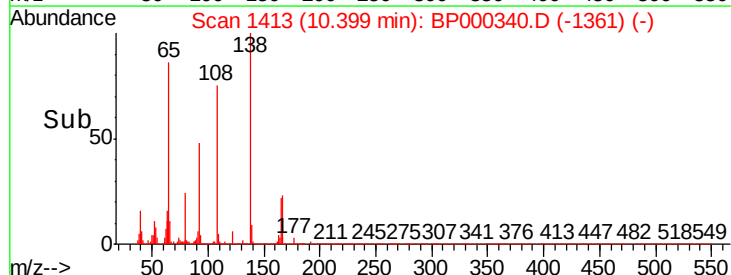
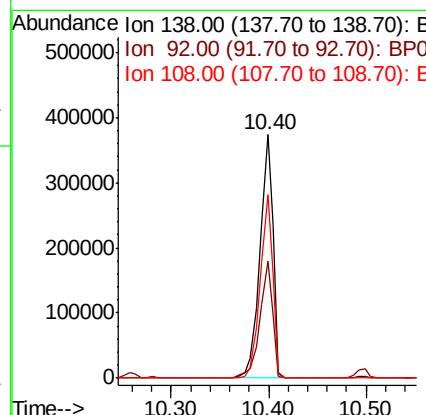
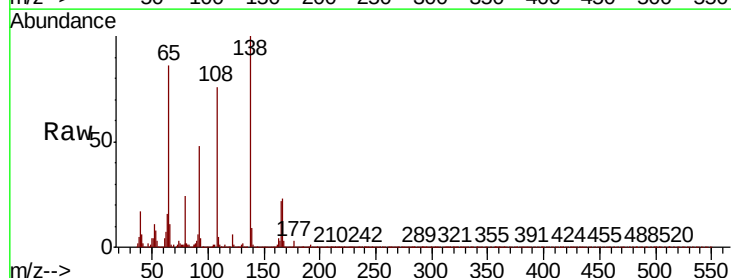
Instrument :
BNA_P
ClientSampled :
TH-4MSD

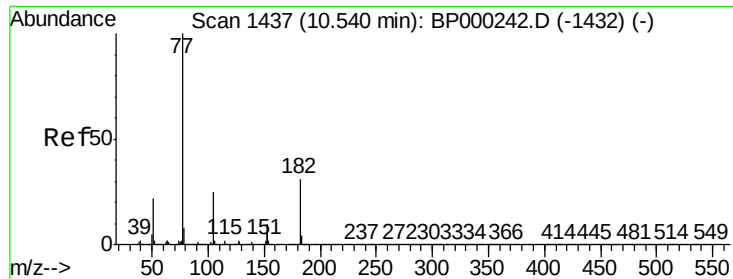
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.3	39.5
141	54.8	48.6	72.8



#62
4-Nitroaniline
Concen: 47.381 ng
RT: 10.40 min Scan# 1413
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.1	30.1	70.1
108	75.5	49.5	89.5

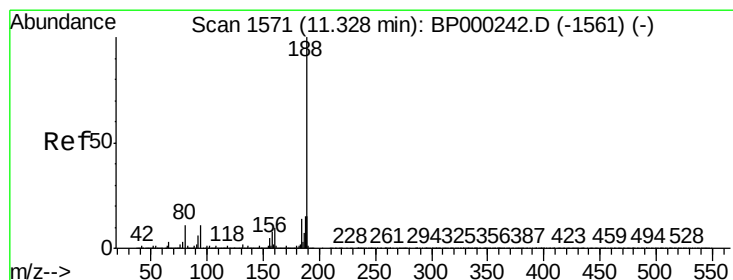
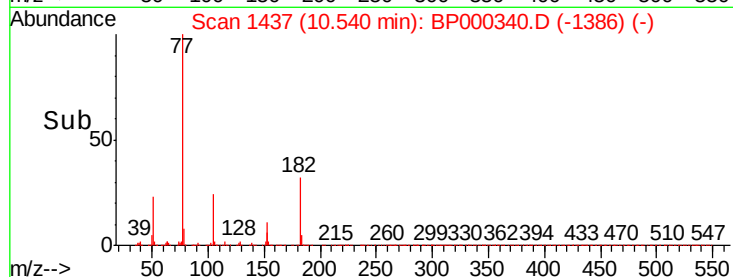
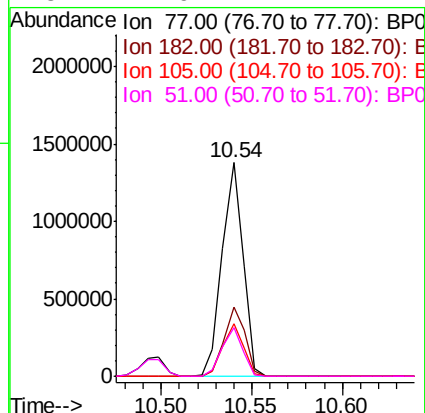
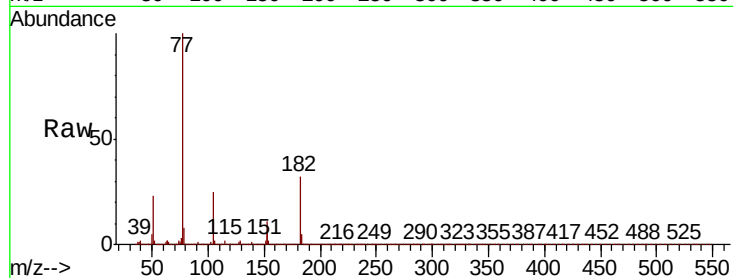




#63
Azobenzene
Concen: 45.673 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

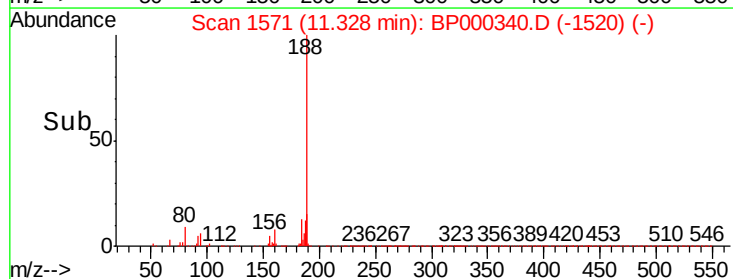
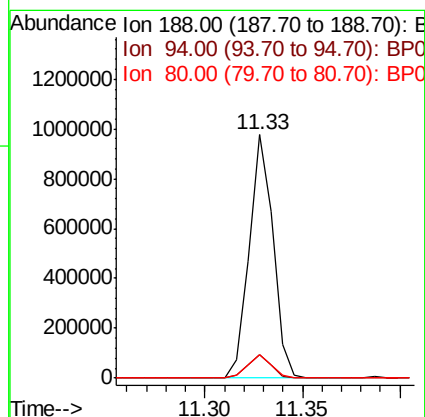
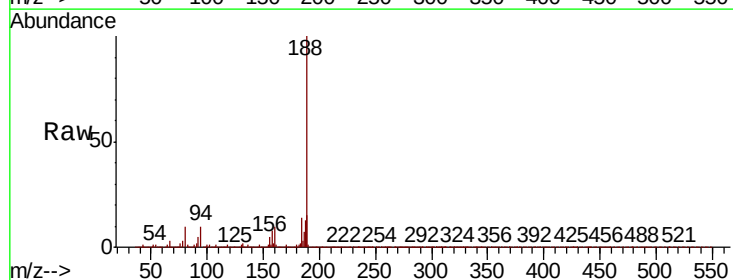
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

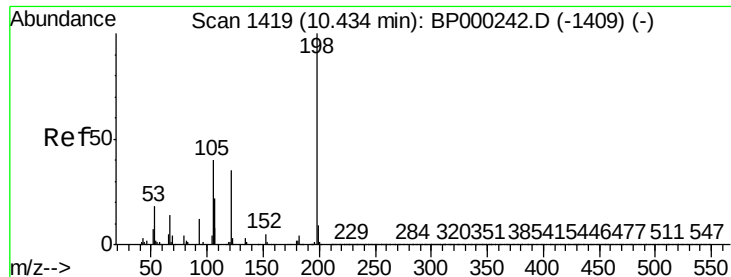
Tot Ion:	77	Resp:	1112175
Ion	Ratio	Lower	Upper
77	100		
182	32.4	11.1	51.1
105	24.6	4.7	44.7
51	22.9	2.2	42.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:	188	Resp:	825345
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	9.7	8.6	13.0





#65

4,6-Dinitro-2-methylphenol

Concen: 3.996 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

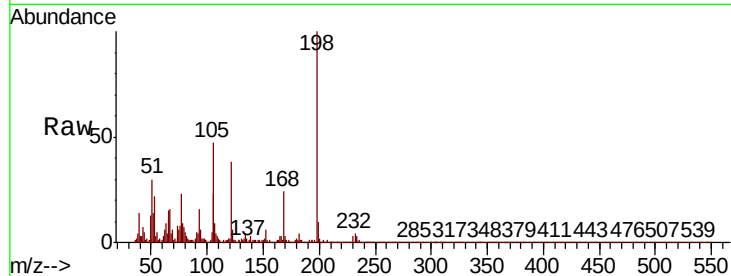
Tot Ion:198 Resp: 15506

Ion Ratio Lower Upper

198 100

51 30.3 7.4 47.4

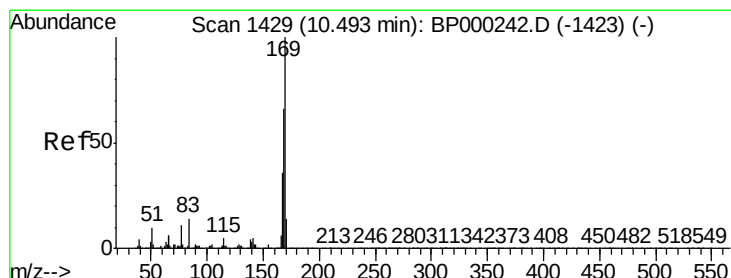
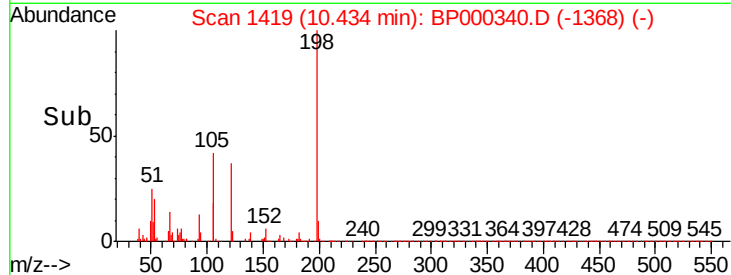
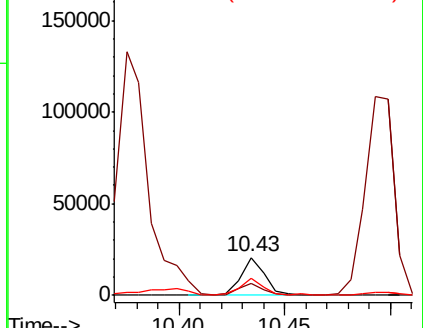
105 46.6 20.2 60.2



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 48.070 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

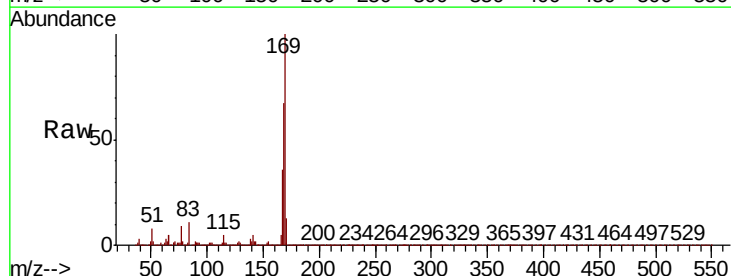
Tgt Ion:169 Resp: 1194339

Ion Ratio Lower Upper

169 100

168 66.9 52.9 79.3

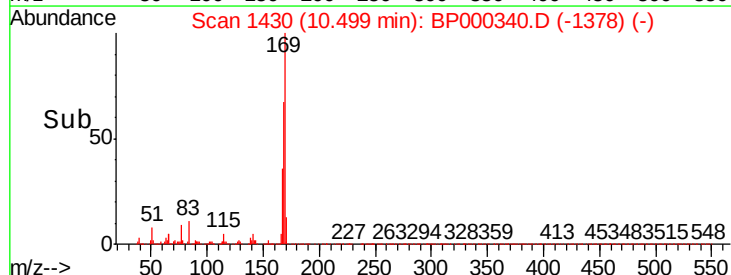
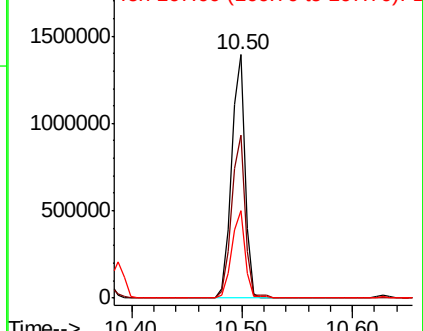
167 36.1 29.0 43.6

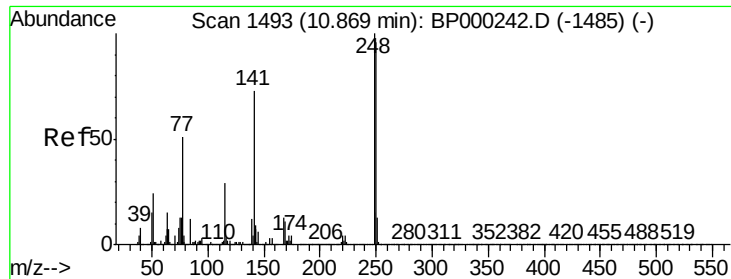


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

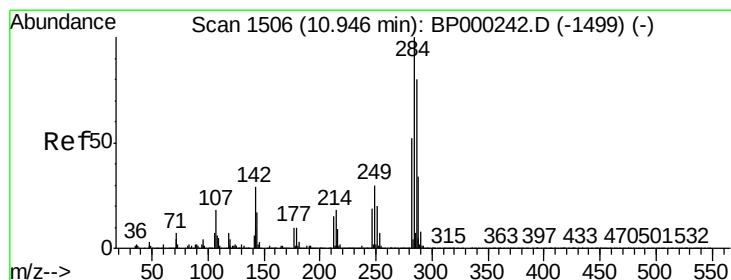
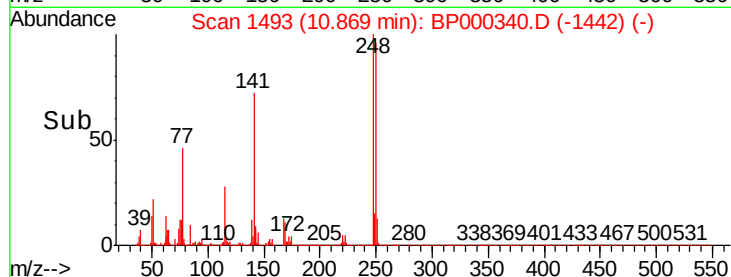
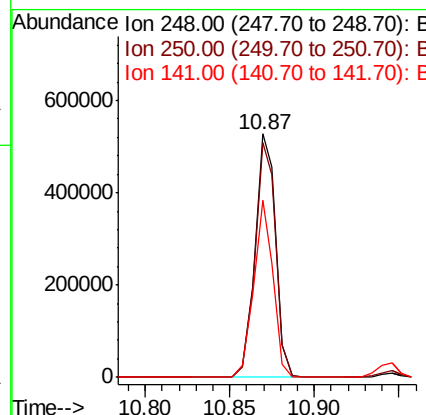
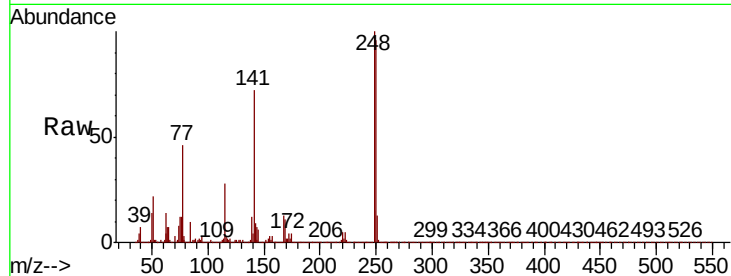




#67
4-Bromophenyl-phenylether
Concen: 48.349 ng
RT: 10.87 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

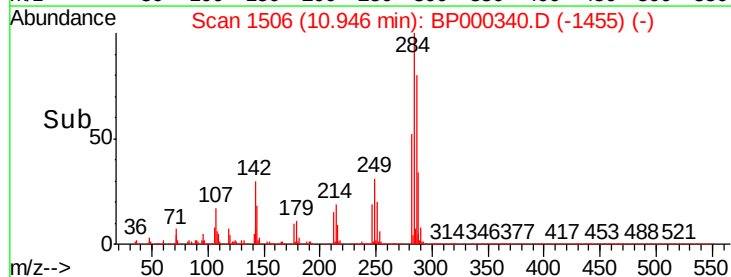
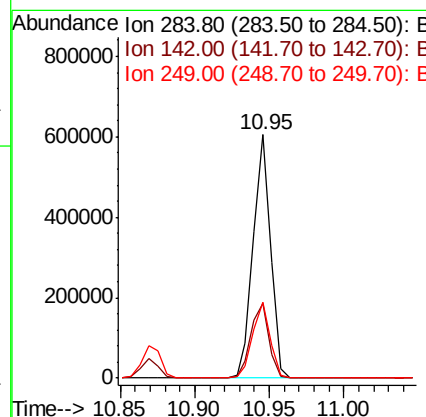
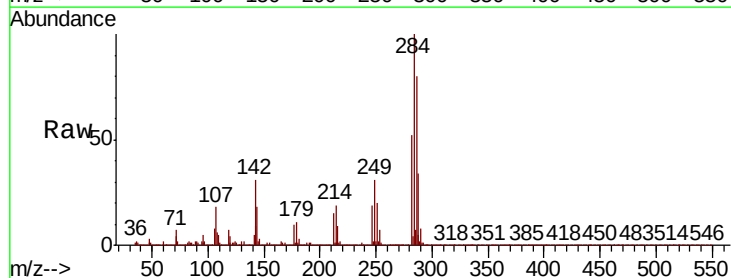
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

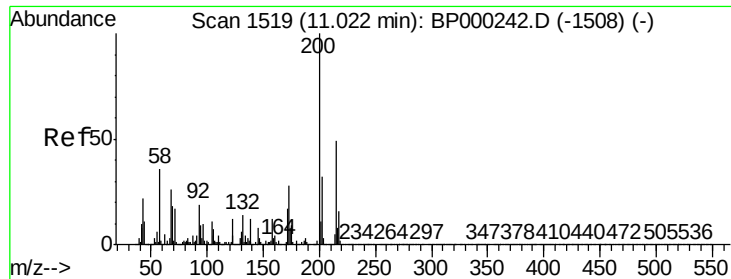
Tot Ion:248 Resp: 451244
Ion Ratio Lower Upper
248 100
250 96.2 77.0 115.4
141 72.5 58.5 87.7



#68
Hexachlorobenzene
Concen: 47.702 ng
RT: 10.95 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:284 Resp: 486719
Ion Ratio Lower Upper
284 100
142 30.5 23.6 35.4
249 31.3 24.3 36.5





#69

Atrazine

Concen: Below Cal

RT: 11.03 min Scan# 1520

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

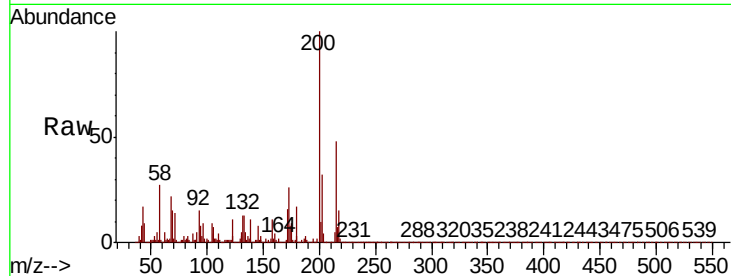
Tot Ion:200 Resp: 383855

Ion Ratio Lower Upper

200 100

173 26.4 7.6 47.6

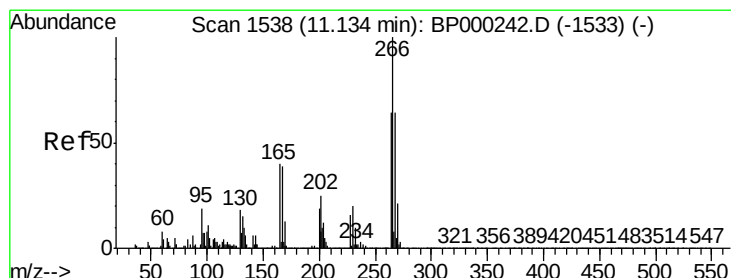
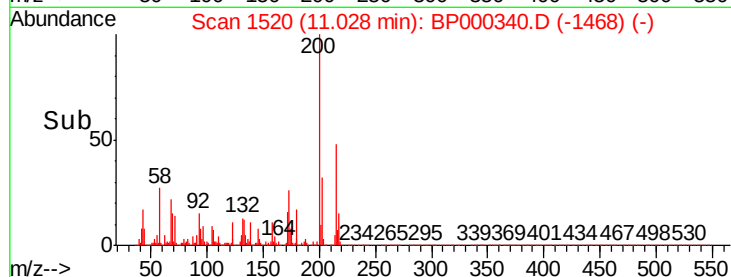
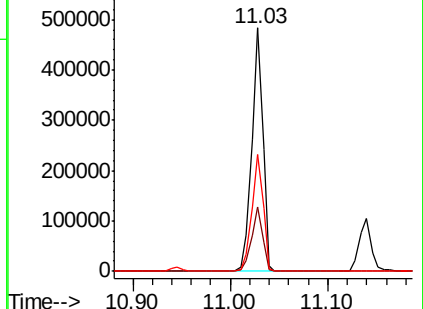
215 48.0 28.6 68.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 91.825 ng

RT: 11.14 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

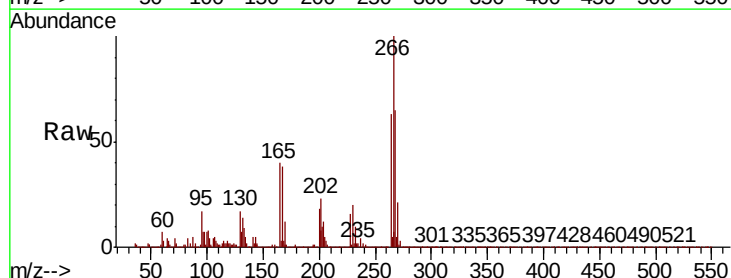
Tgt Ion:266 Resp: 510282

Ion Ratio Lower Upper

266 100

268 64.6 51.6 77.4

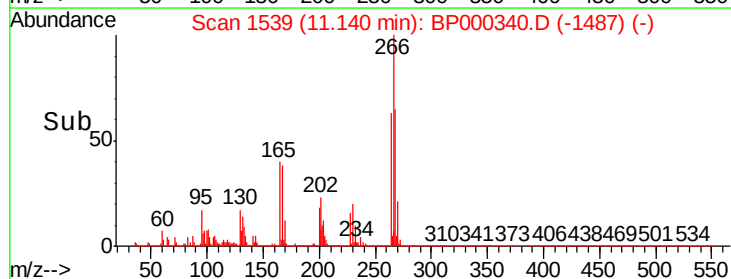
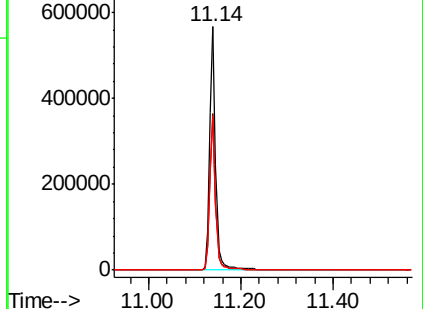
264 63.2 50.8 76.2

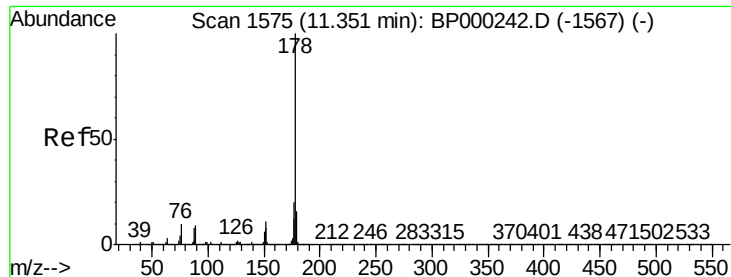


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

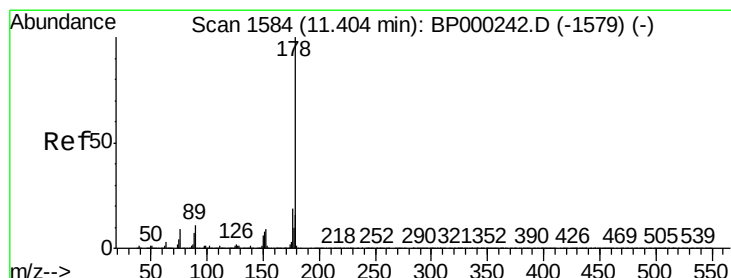
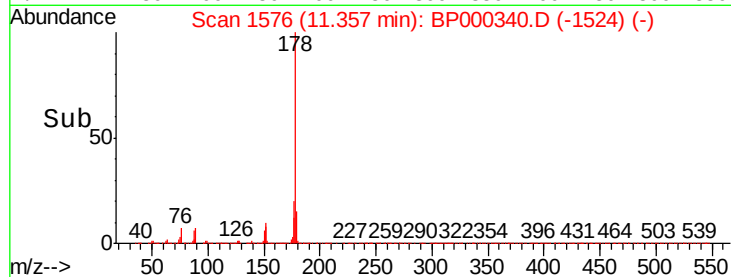
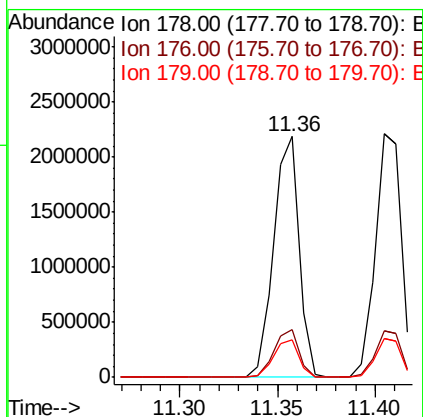
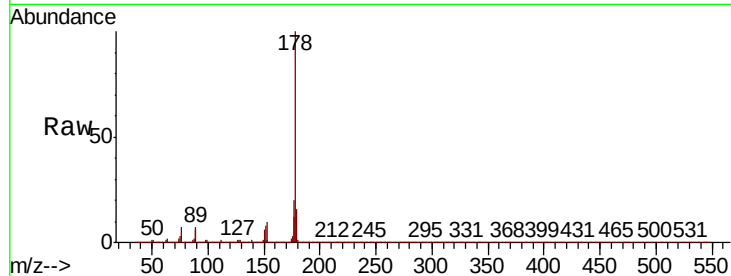




#71
Phenanthrene
Concen: 47.633 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

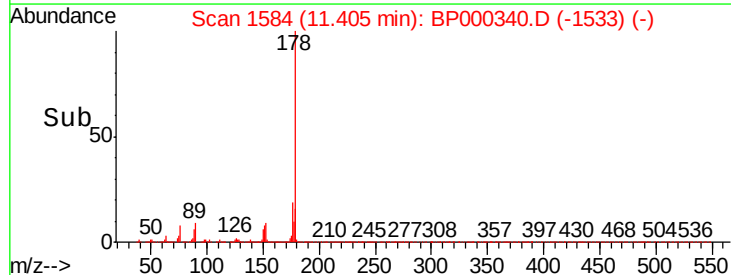
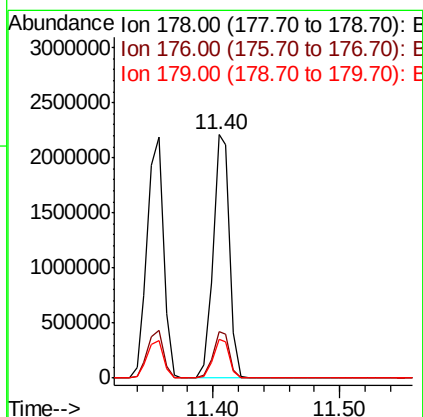
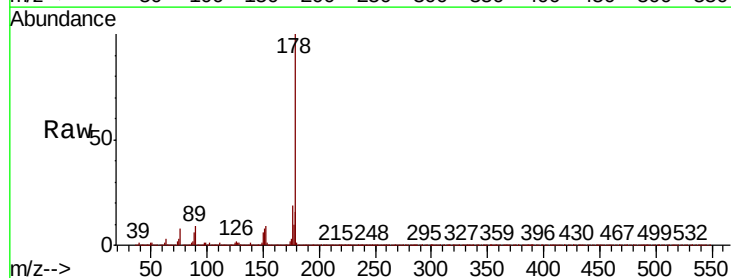
Instrument :
BNA_P
ClientSampled :
TH-4MSD

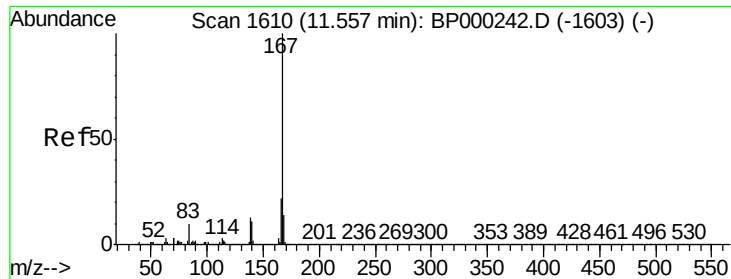
Tot Ion:178 Resp: 1970089
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.7 12.7 19.1



#72
Anthracene
Concen: 47.698 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:178 Resp: 2030629
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.9 12.7 19.1





#73

Carbazole

Concen: 48.174 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

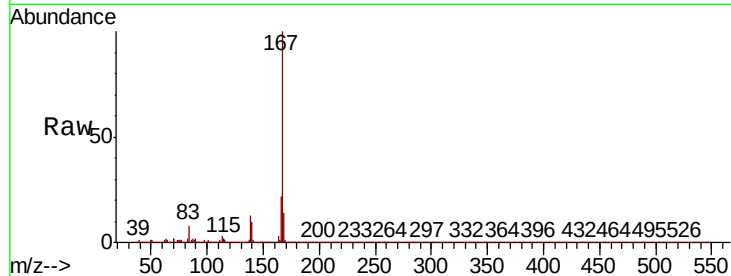
BNA_P

ClientSampleId :

TH-4MSD

Tot Ion:167 Resp: 1846963

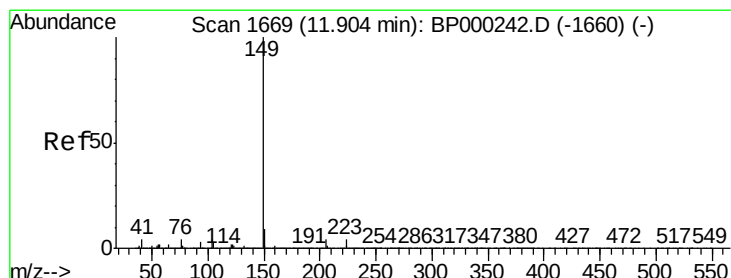
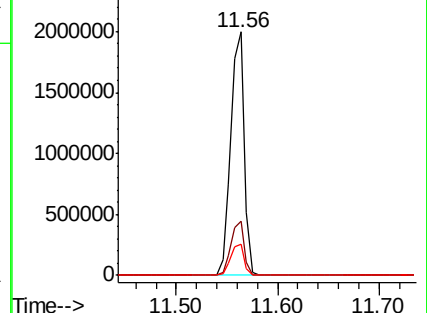
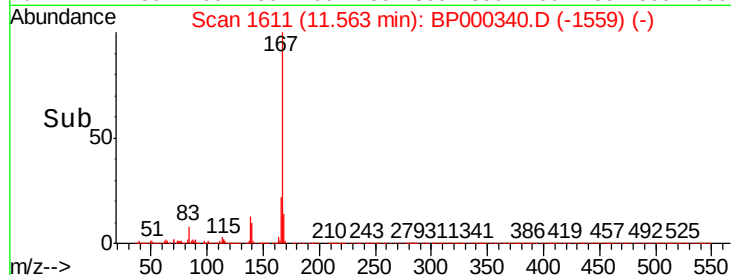
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.8	26.8
139	12.8	10.8	16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 43.353 ng

RT: 11.90 min Scan# 1668

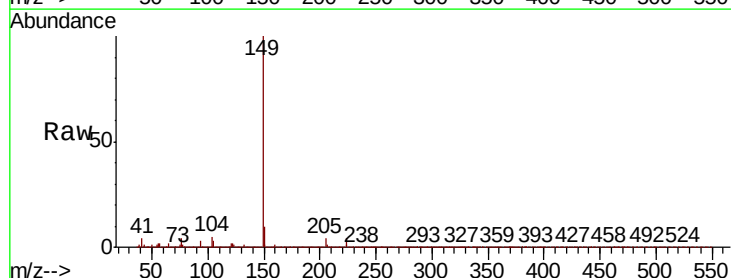
Delta R.T. -0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Tgt Ion:149 Resp: 2103856

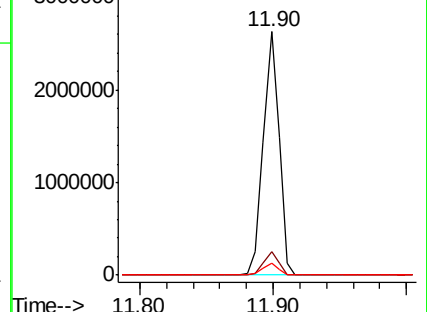
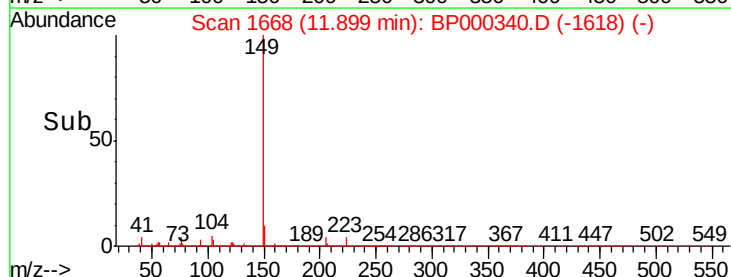
Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	4.9	3.5	5.3

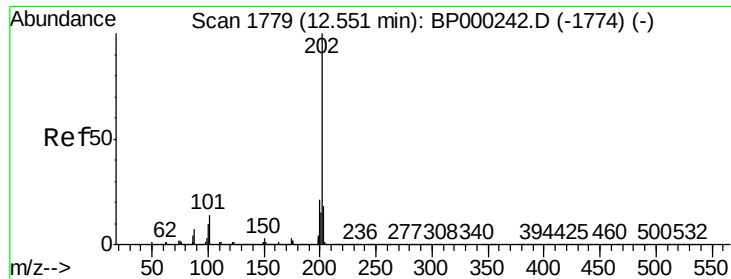


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 47.838 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

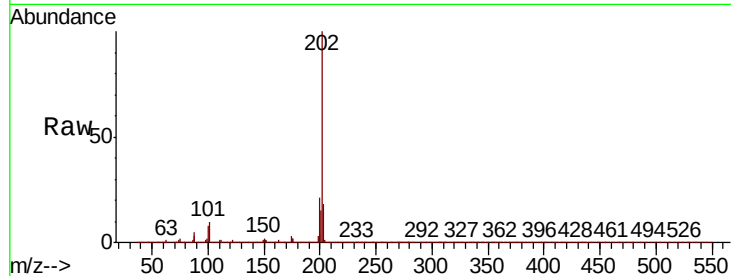
Tot Ion:202 Resp: 2124582

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	33.9
203	17.6	0.0	38.0

202 100

101 10.1 0.0 33.9

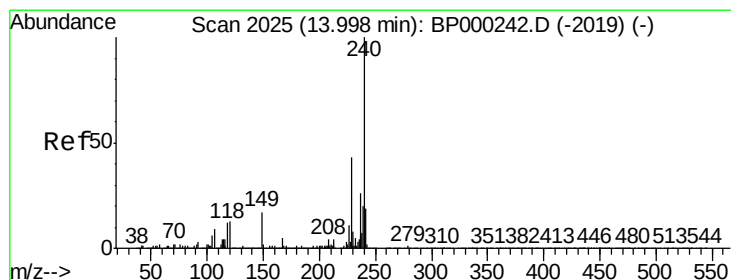
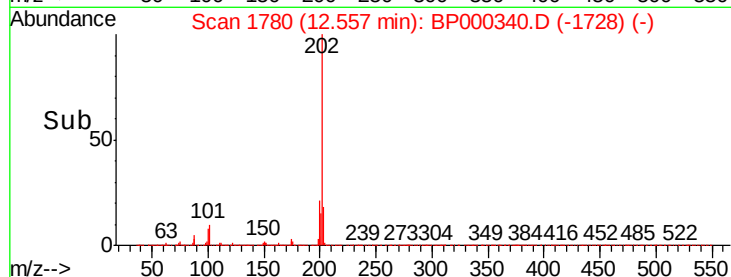
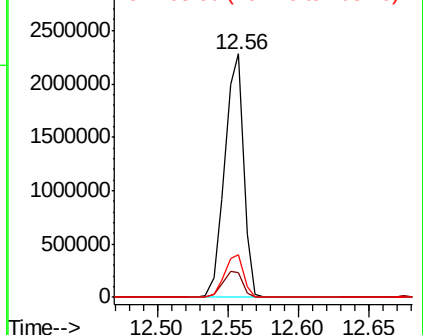
203 17.6 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

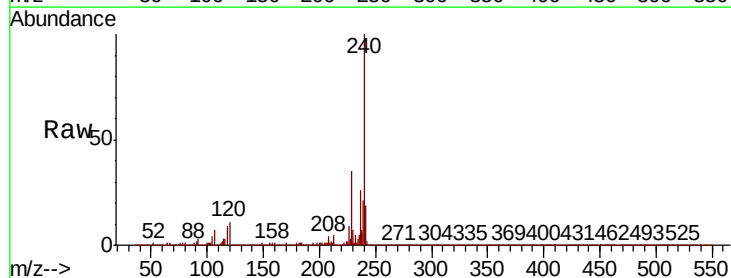
Tgt Ion:240 Resp: 664943

Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.4	15.6
236	25.9	21.0	31.6

240 100

120 10.7 10.4 15.6

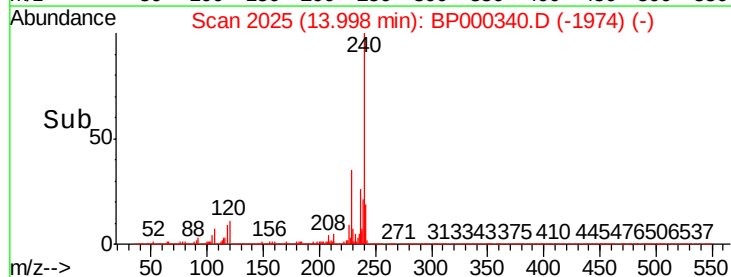
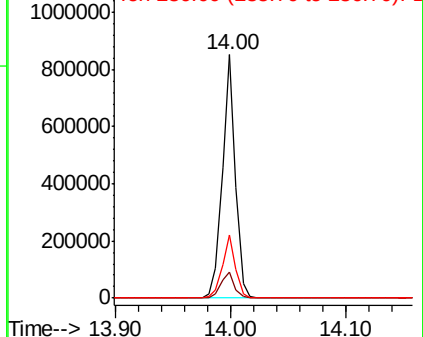
236 25.9 21.0 31.6

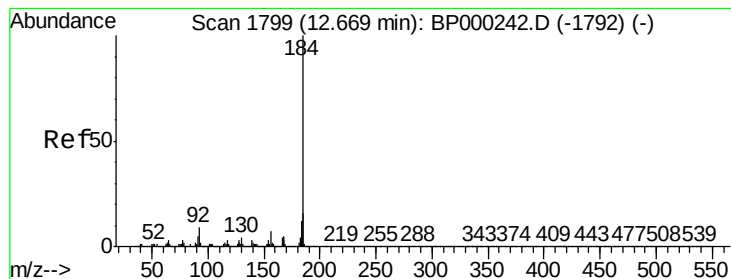


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 53.823 ng

RT: 12.68 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

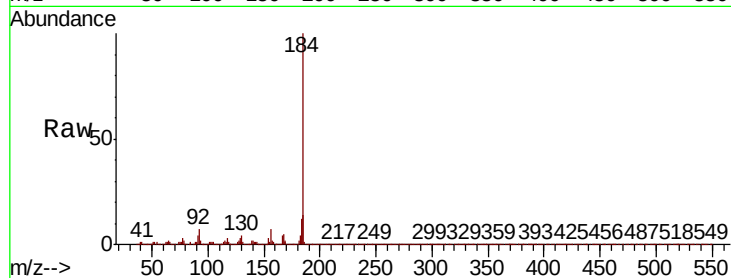
Tot Ion:184 Resp: 1278191

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.7	19.1
183	12.0	9.5	14.3

184 100

185 14.4 12.7 19.1

183 12.0 9.5 14.3

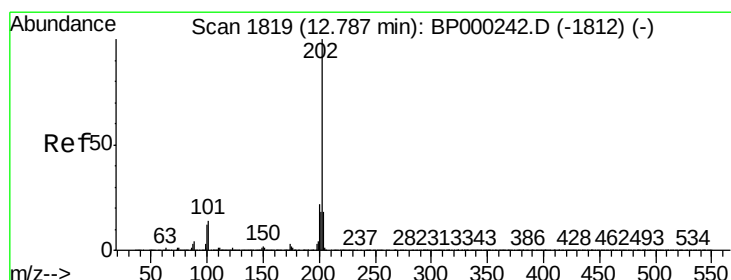
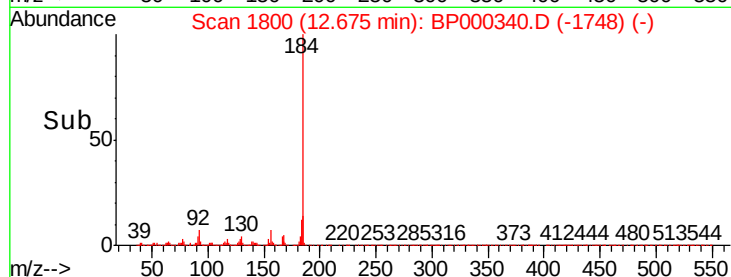
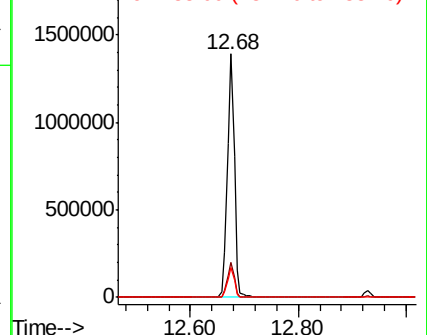


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.059 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

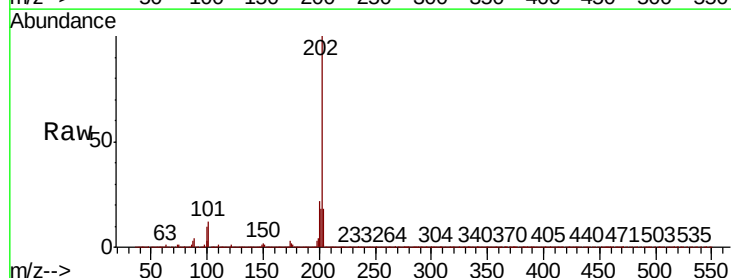
Tgt Ion:202 Resp: 2142132

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.5	26.3
203	17.7	14.3	21.5

202 100

200 22.0 17.5 26.3

203 17.7 14.3 21.5

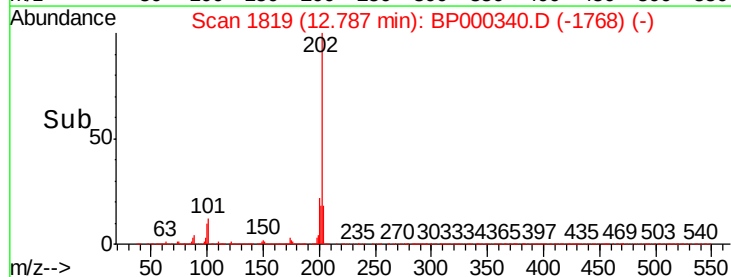
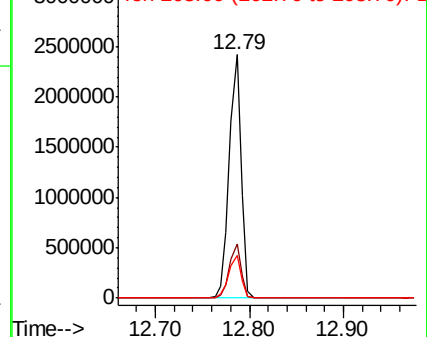


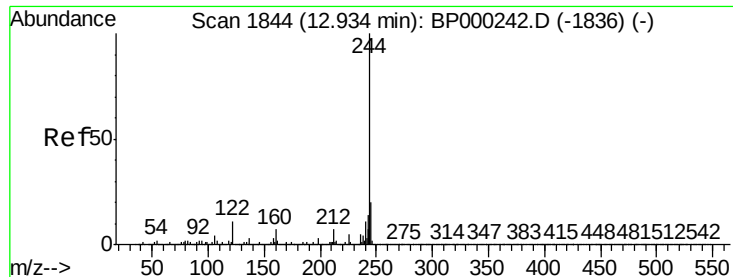
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 75.798 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

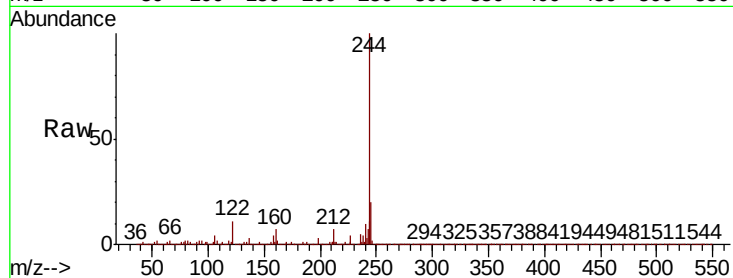
Tot Ion:244 Resp: 2402517

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

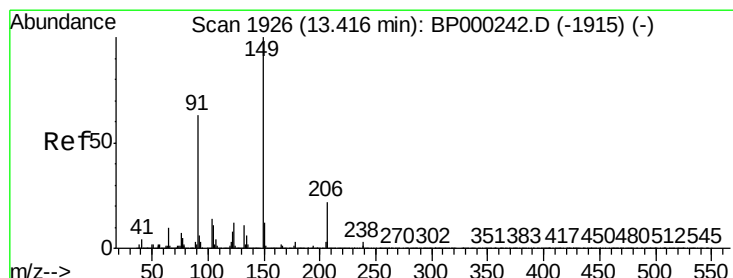
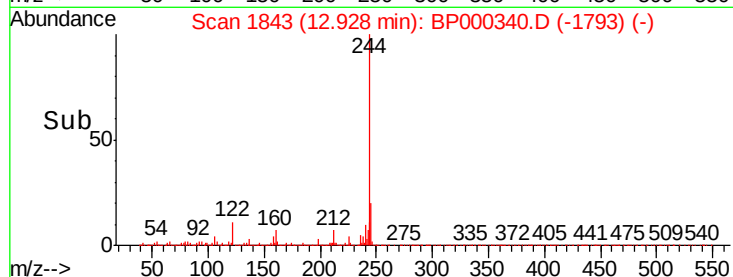
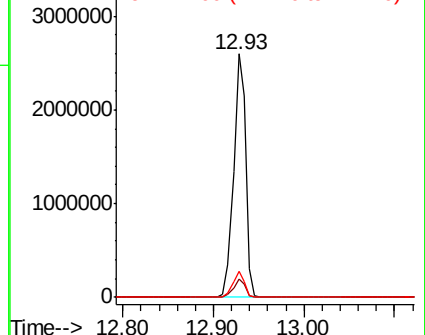
122 10.9 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.221 ng

RT: 13.41 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

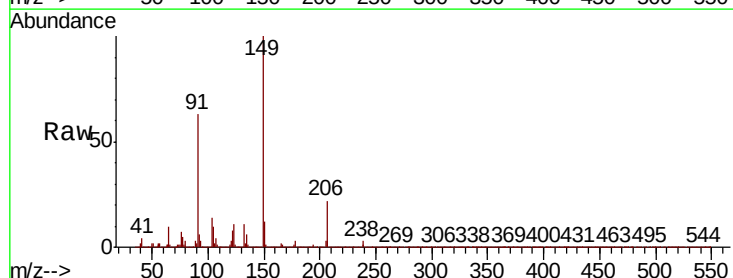
Tgt Ion:149 Resp: 919422

Ion Ratio Lower Upper

149 100

91 63.5 50.6 76.0

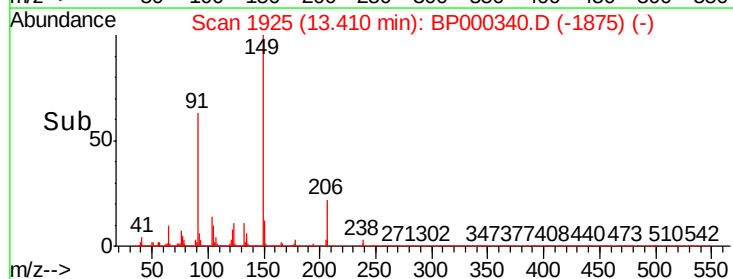
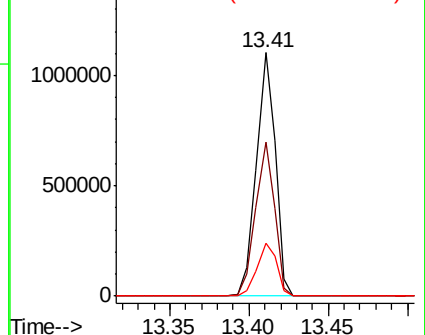
206 21.9 17.8 26.6

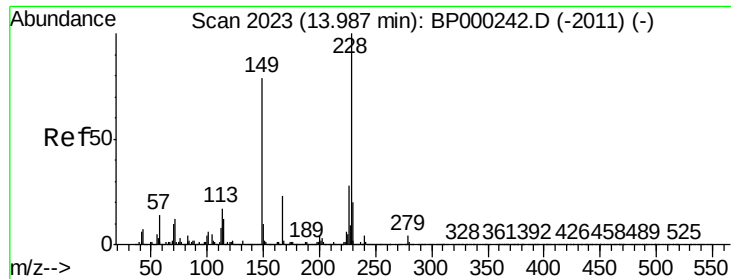


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

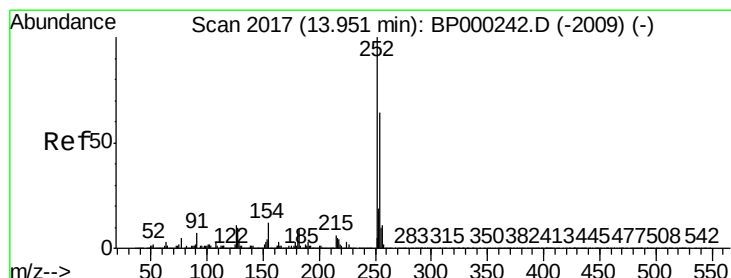
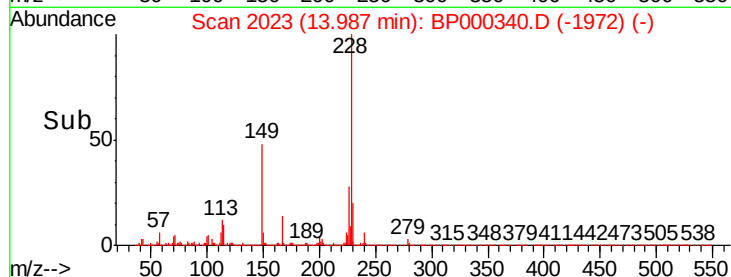
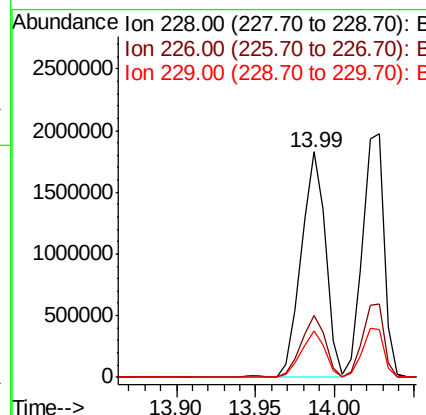
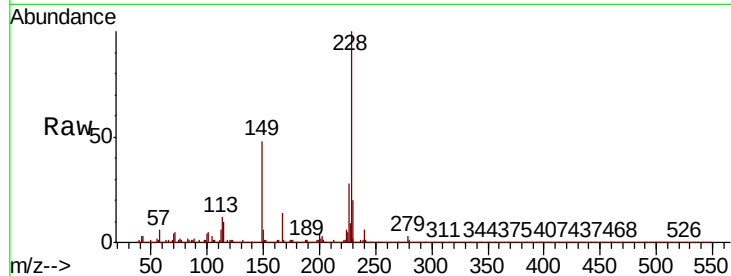




#81
Benzo(a)anthracene
Concen: 46.039 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

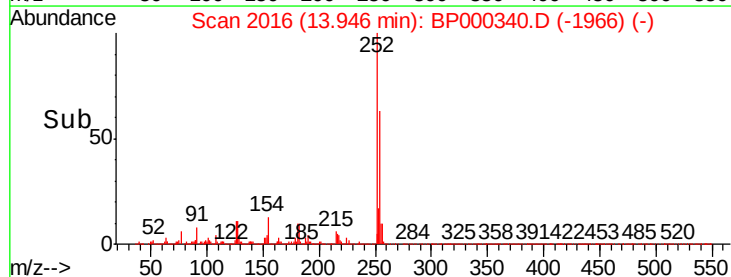
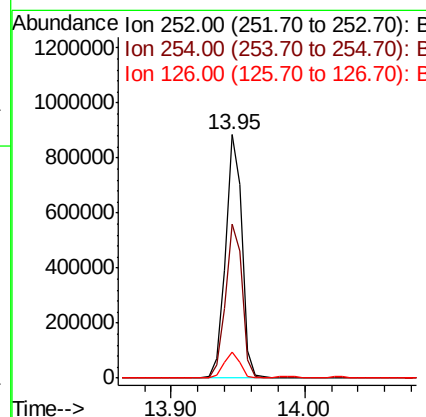
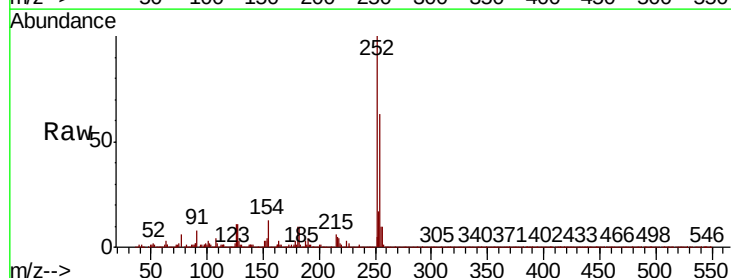
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

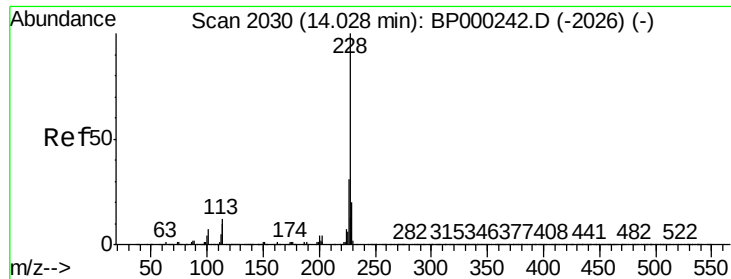
Tot Ion:228 Resp: 1933780
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.4
229 20.4 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 45.656 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:252 Resp: 770689
Ion Ratio Lower Upper
252 100
254 63.4 51.5 77.3
126 10.9 8.4 12.6





#83

Chrysene

Concen: 45.922 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

Instrument :

BNA_P

ClientSampleId :

TH-4MSD

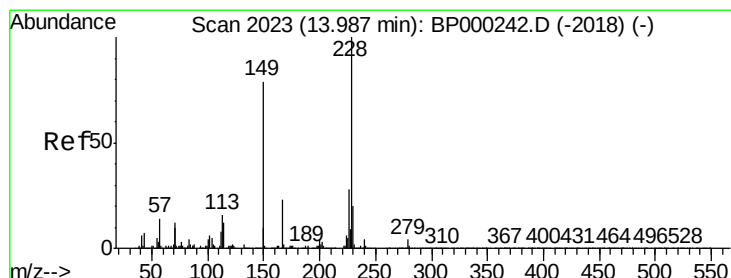
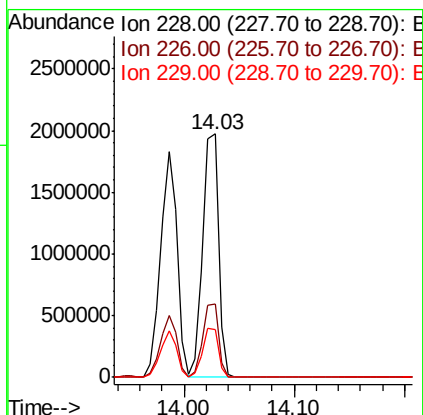
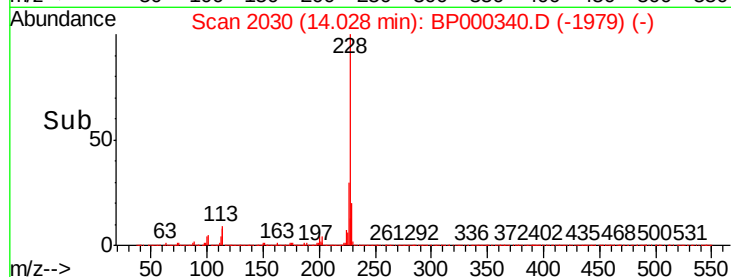
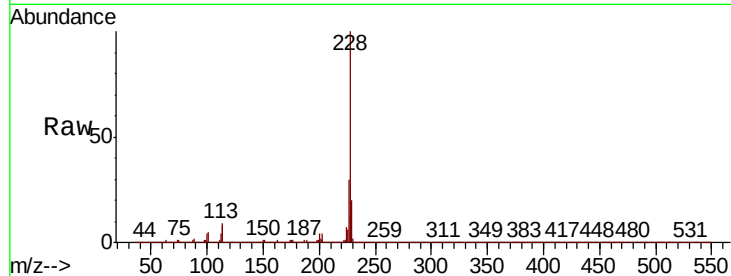
Tot Ion:228 Resp: 1893835

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

229 19.7 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.942 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BP000340.D

Acq: 19 Sep 2019 19:16

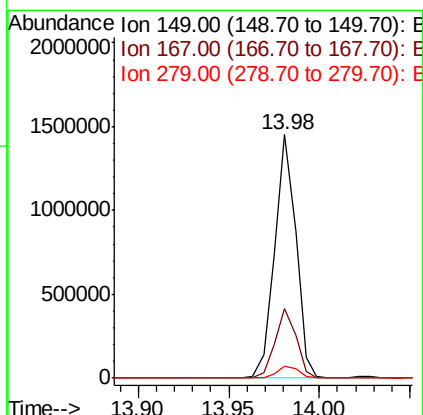
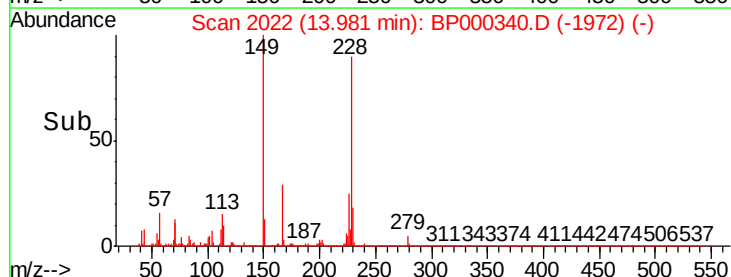
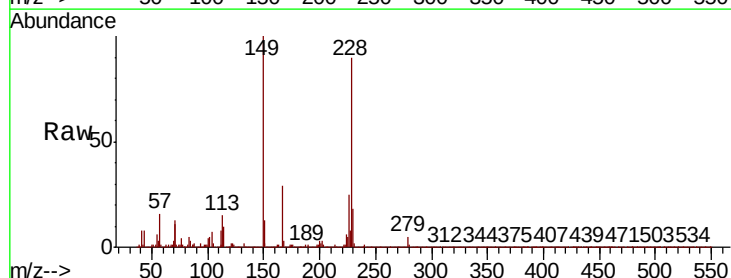
Tgt Ion:149 Resp: 1178372

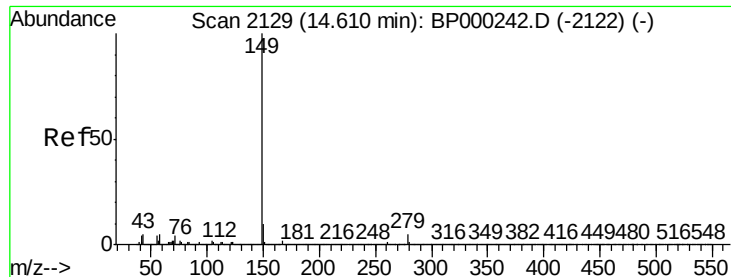
Ion Ratio Lower Upper

149 100

167 28.5 23.0 34.4

279 5.1 3.7 5.5

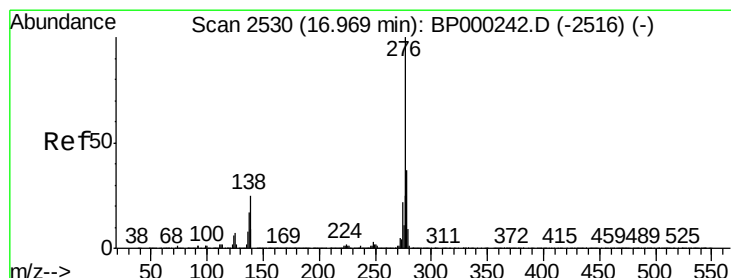
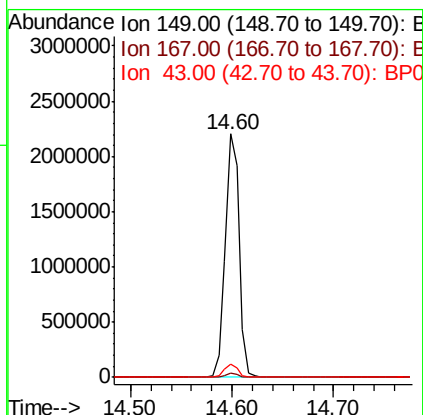
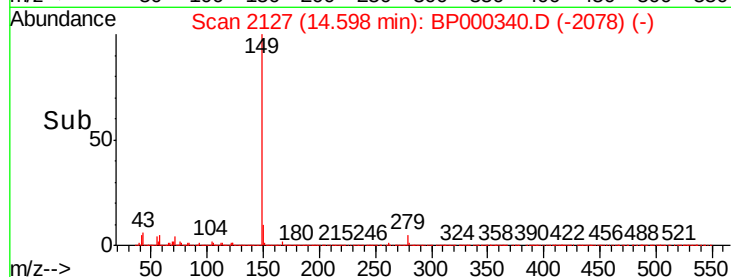
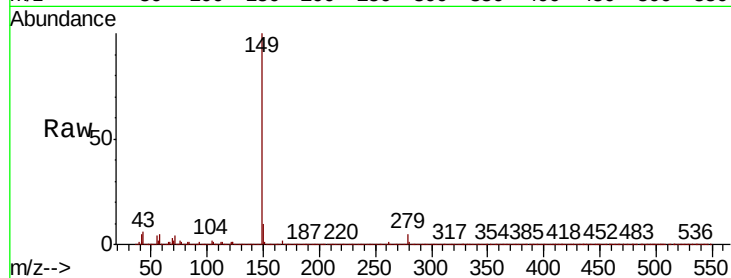




#85
Di-n-octyl phthalate
Concen: 40.818 ng
RT: 14.60 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

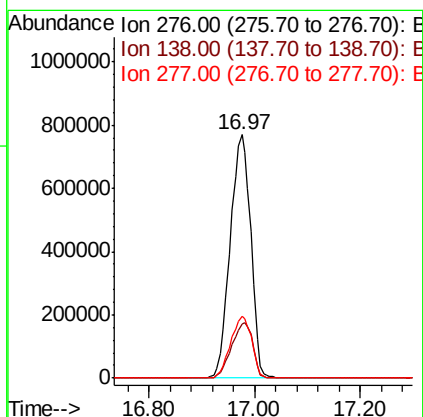
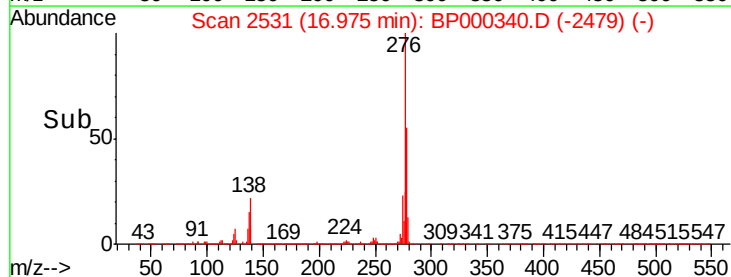
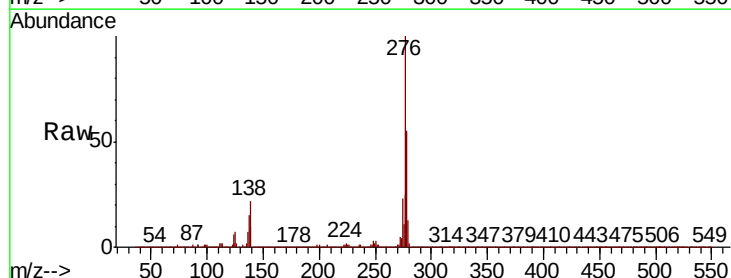
Instrument :
BNA_P
ClientSampled :
TH-4MSD

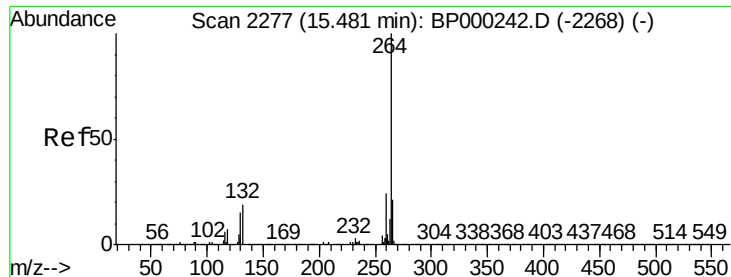
Tot Ion:149 Resp: 2075936
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 5.4 5.0 7.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 41.409 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:276 Resp: 2081606
Ion Ratio Lower Upper
276 100
138 23.5 22.6 33.8
277 25.7 20.4 30.6



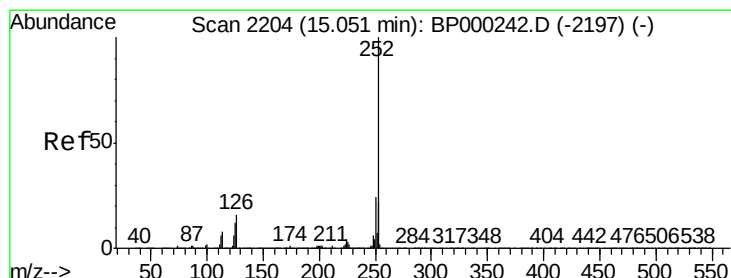
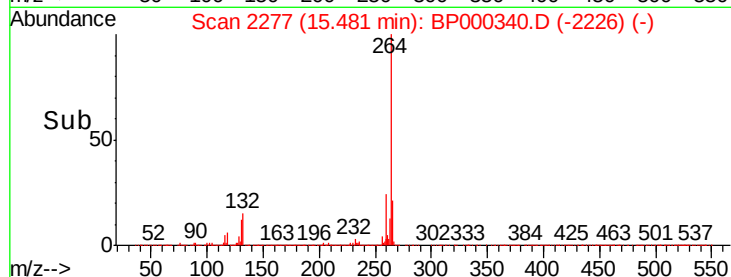
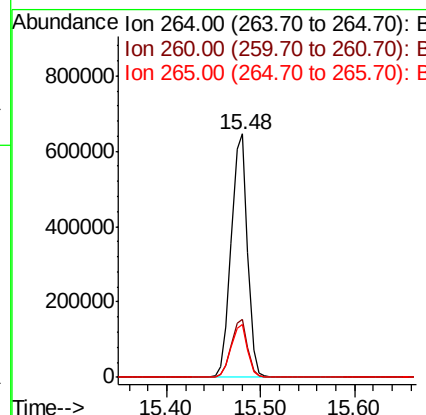
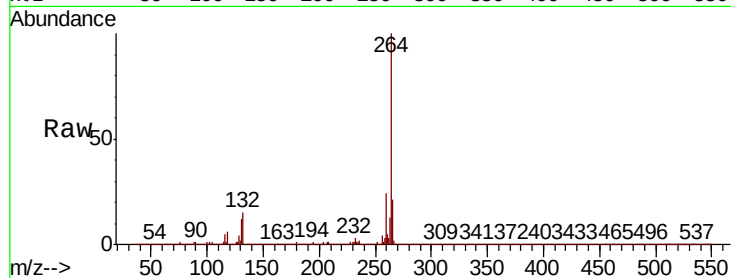


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Instrument :
BNA_P
ClientSampleId :
TH-4MSD

Tot Ion:264 Resp: 777280

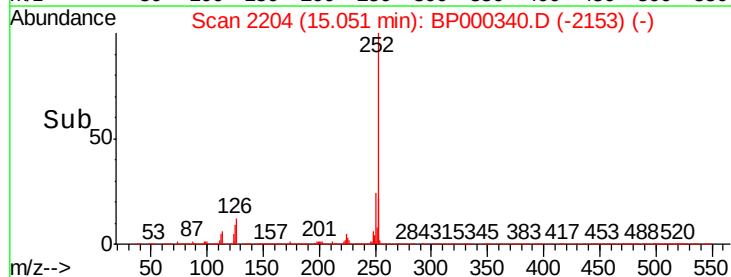
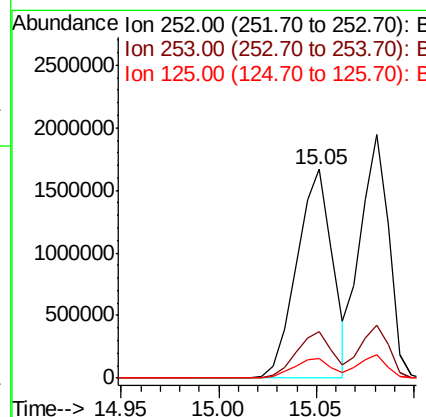
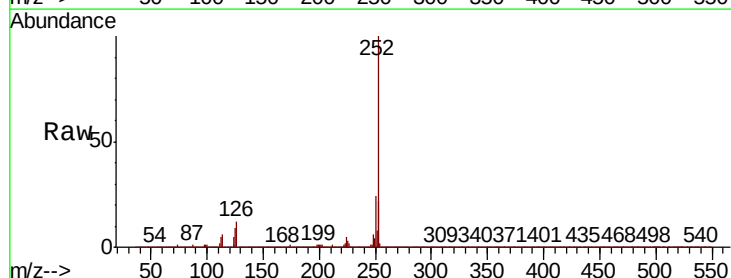
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.5	17.2	25.8

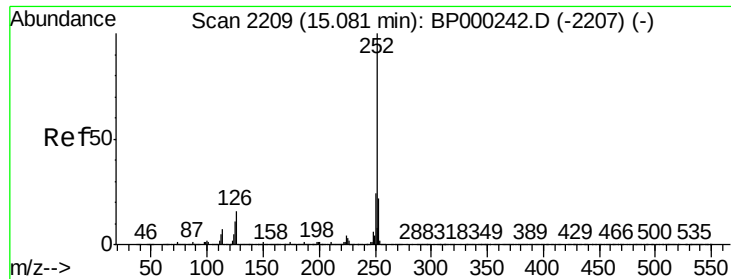


#88
Benzo(b)fluoranthene
Concen: 45.706 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:252 Resp: 2119380

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.2	9.5	14.3#

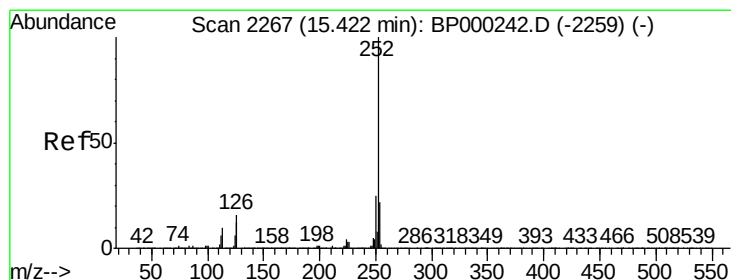
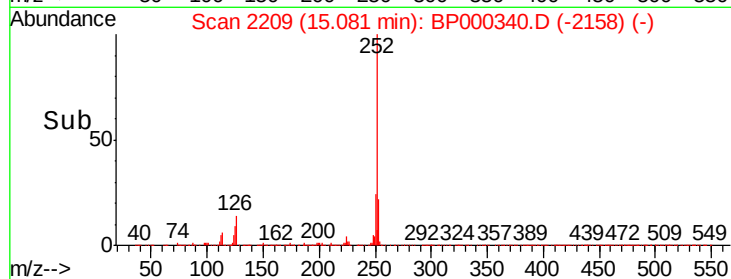
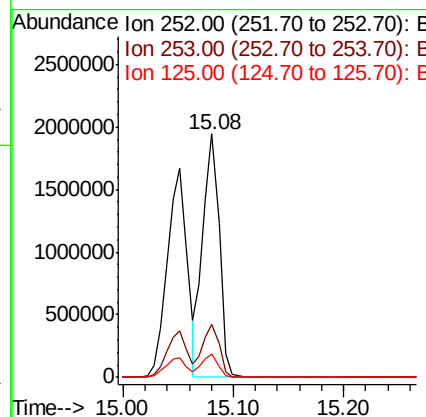
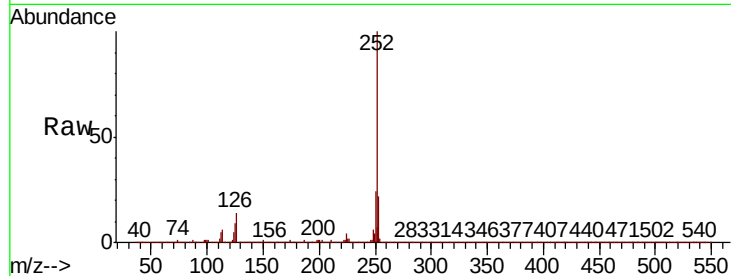




#89
Benzo(k)fluoranthene
Concen: 48.751 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

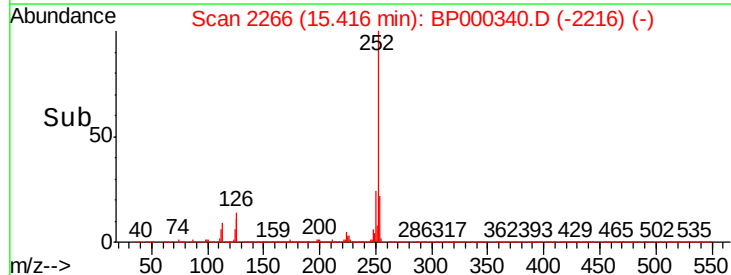
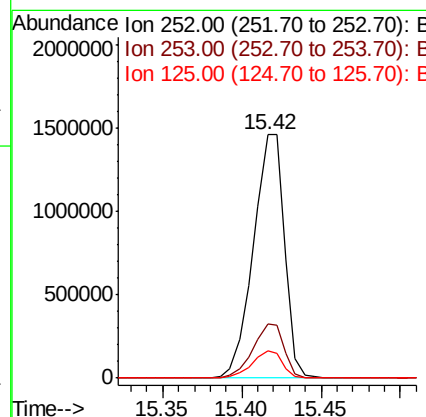
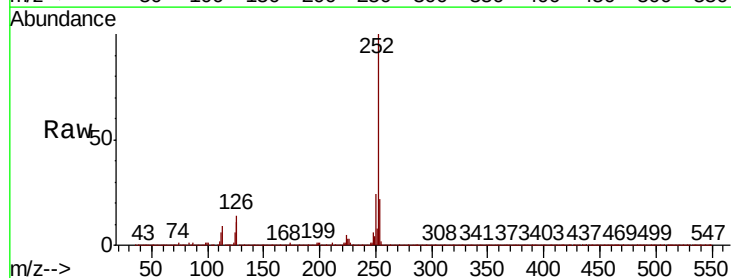
Instrument :
BNA_P
ClientSampleId :
TH-4MSD

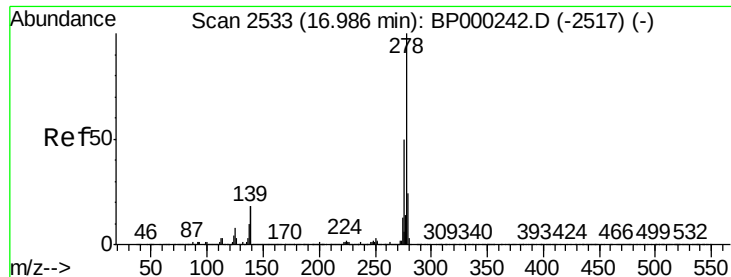
Tot Ion:252 Resp: 1971863
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 9.4 9.6 14.4#



#90
Benzo(a)pyrene
Concen: 47.561 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:252 Resp: 2006714
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.0 10.0 15.0



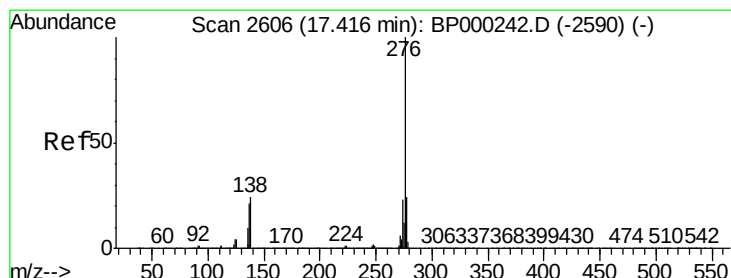
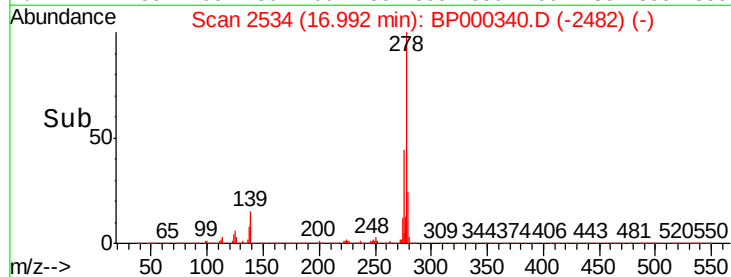
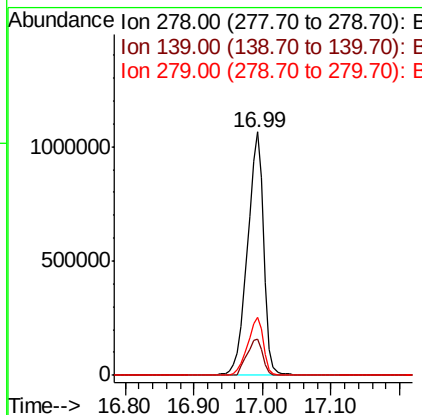
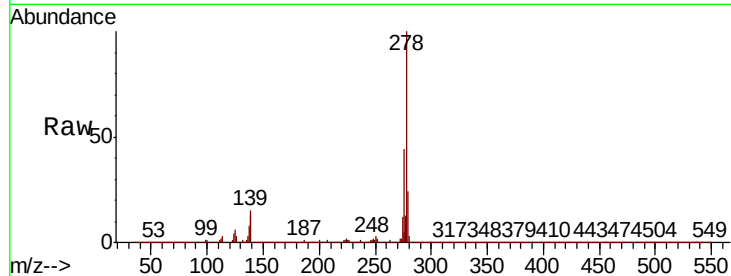


#91
Dibenzo(a,h)anthracene
Concen: 44.779 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Instrument :
BNA_P
ClientSampled :
TH-4MSD

Tot Ion:278 Resp: 1761504

Ion	Ratio	Lower	Upper
278	100		
139	14.8	14.5	21.7
279	24.0	19.0	28.6



#92
Benzo(g,h,i)perylene
Concen: 39.082 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BP000340.D
Acq: 19 Sep 2019 19:16

Tgt Ion:276 Resp: 1580258

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	20.0	19.5	29.3

