

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
 Data File : BP000362.D
 Acq On : 20 Sep 2019 18:25
 Operator : HP/JU
 Sample : K4972-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 20 23:16:23 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	206646	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	762078	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	405587	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	712373	20.00	ng	0.00
76) Chrysene-d12	13.99	240	618133	20.00	ng	0.00
87) Perylene-d12	15.47	264	702369	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1034640	86.44	ng	0.00
7) Phenol-d6	6.43	99	1325097	90.31	ng	0.00
23) Nitrobenzene-d5	7.35	82	749132	63.42	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	397294	98.76	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1592580	70.67	ng	0.00
79) Terphenyl-d14	12.93	244	1672858	56.77	ng	0.00

Target Compounds

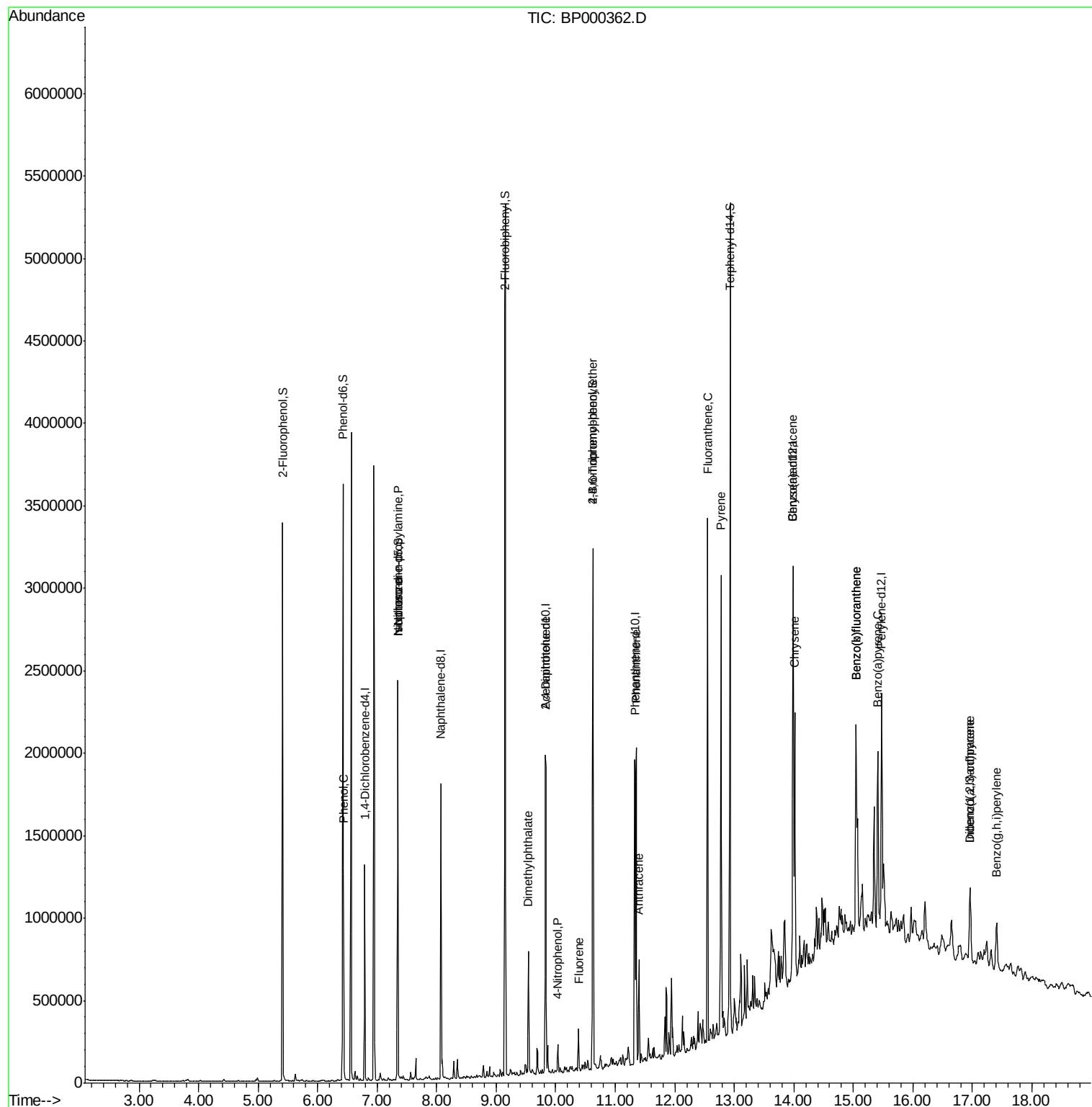
						Qvalue
9) Benzaldehyde	6.33	77	1189	Below Cal	#	69
10) Phenol	6.44	94	65084	3.904 ng		98
19) n-Nitroso-di-n-propylamine	7.35	70	92790	11.961 ng	#	75
25) Isophorone	7.35	82	748202	31.990 ng	#	63
50) Dimethylphthalate	9.54	163	277360	10.037 ng		99
56) 4-Nitrophenol	10.03	139	17112	3.262 ng	#	18
57) 2,4-Dinitrotoluene	9.83	165	53939	6.791 ng	#	36
58) Fluorene	10.38	166	68694	2.818 ng		99
67) 4-Bromophenyl-phenylether	10.62	248	26822	3.330 ng	#	1
69) Atrazine	11.02	200	101	Below Cal	#	1
71) Phenanthrene	11.35	178	726625	20.354 ng		98
72) Anthracene	11.40	178	211371	5.752 ng		99
75) Fluoranthene	12.55	202	1232236	32.146 ng		96
78) Pyrene	12.78	202	1102872	23.848 ng		99
81) Benzo(a)anthracene	13.98	228	626842	16.054 ng		96
83) Chrysene	14.02	228	536749	14.001 ng		97
86) Indeno(1,2,3-cd)pyrene	16.96	276	300176	6.424 ng	#	91
88) Benzo(b)fluoranthene	15.05	252	987311	23.563 ng		98
89) Benzo(k)fluoranthene	15.05	252	987311	27.013 ng		98
90) Benzo(a)pyrene	15.41	252	523782	13.738 ng		97
91) Dibenzo(a,h)anthracene	16.97	278	79901	2.248 ng	#	88
92) Benzo(g,h,i)perylene	17.40	276	269096	7.365 ng		95

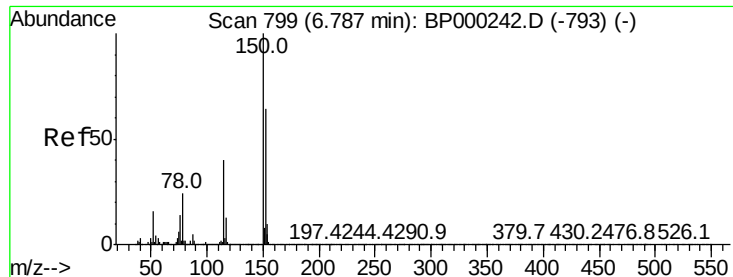
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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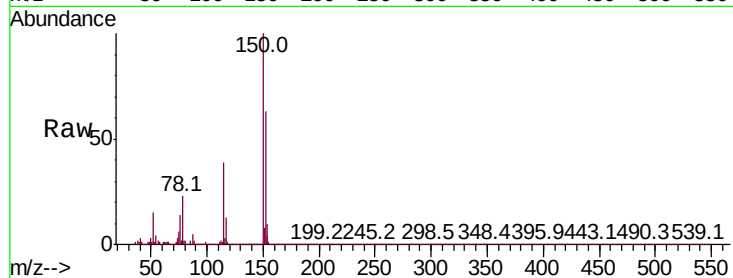


#1

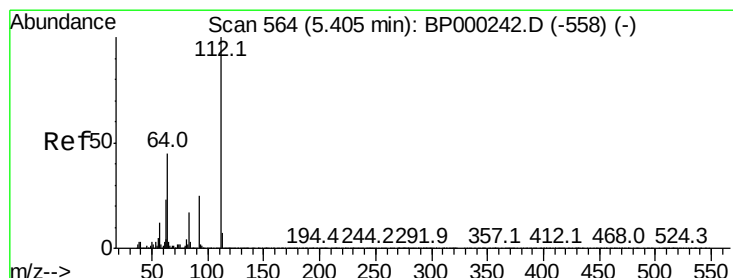
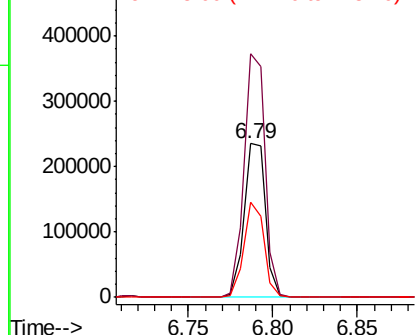
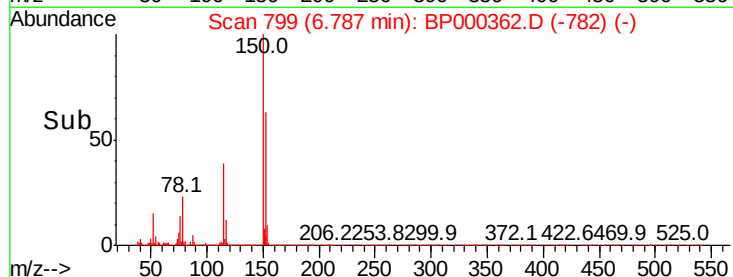
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 206646
Ion Ratio Lower Upper
152 100
150 158.4 125.2 187.8
115 61.6 49.7 74.5



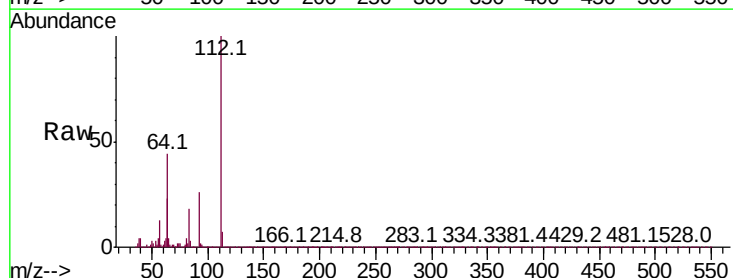
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



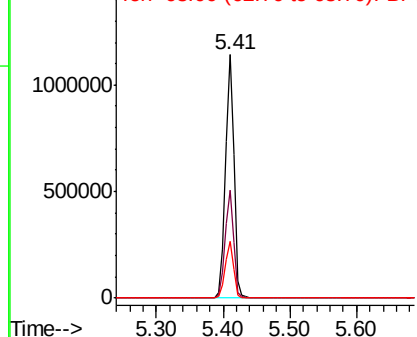
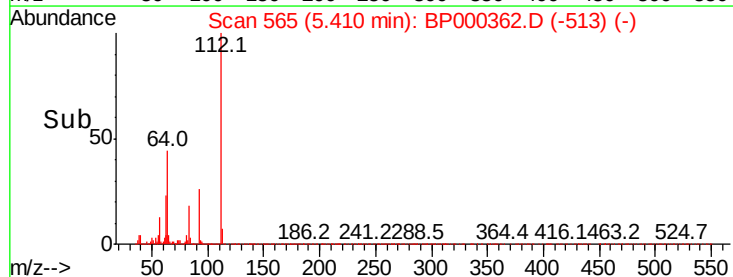
#5

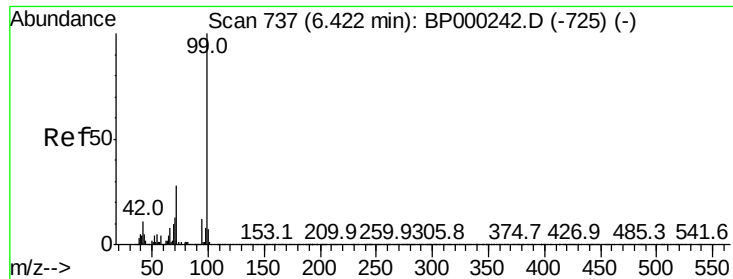
2-Fluorophenol
Concen: 86.435 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

Tgt Ion:112 Resp: 1034640
Ion Ratio Lower Upper
112 100
64 44.2 36.2 54.4
63 23.4 18.3 27.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 90.310 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Instrument :

BNA_P

ClientSampleId :

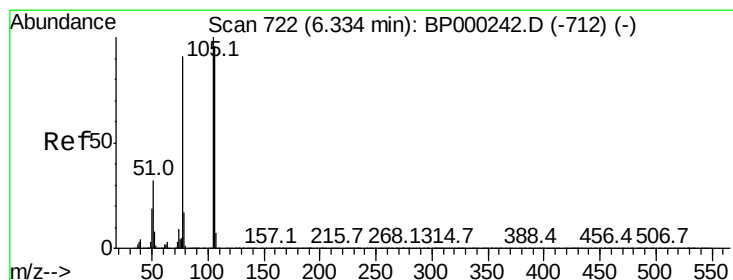
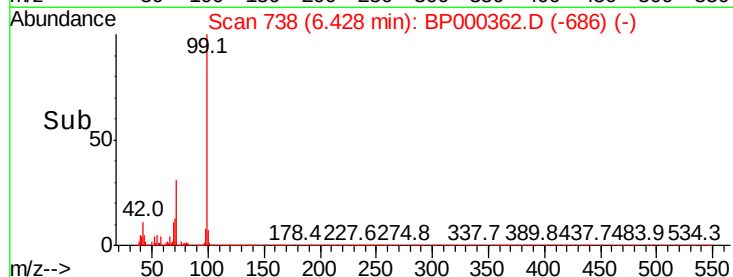
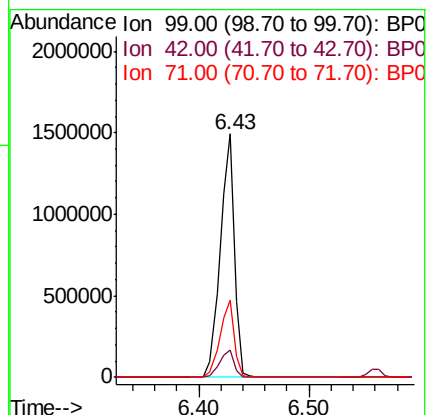
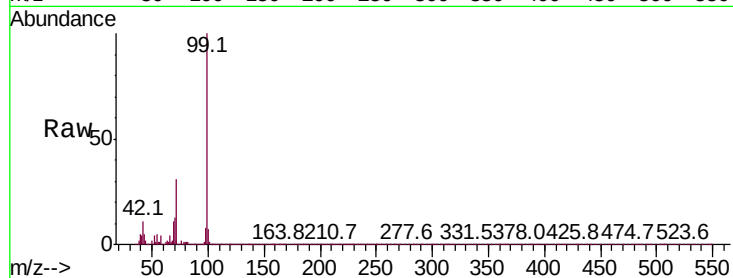
Tot Ion: 99 Resp: 1325097

Ion Ratio Lower Upper

99 100

42 11.3 8.5 12.7

71 31.5 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

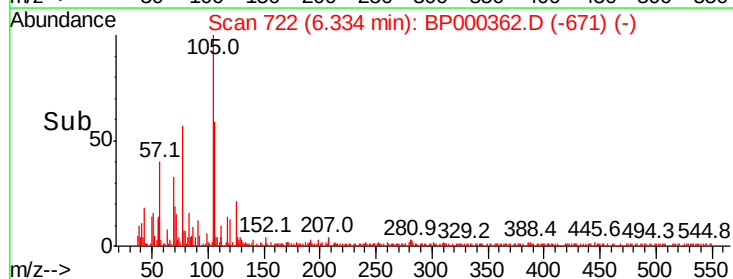
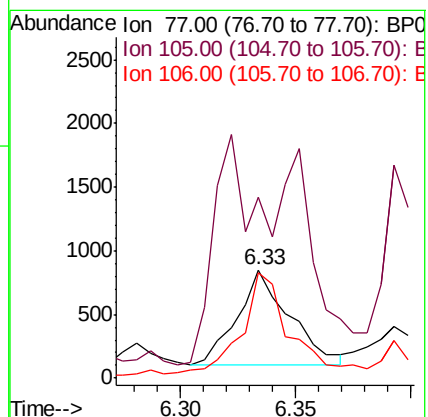
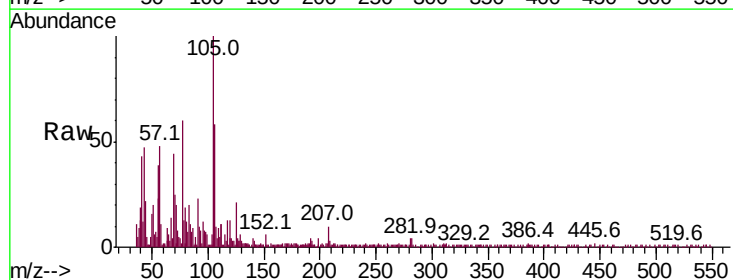
Tgt Ion: 77 Resp: 1189

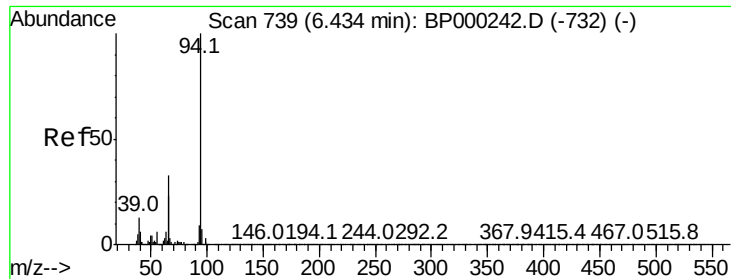
Ion Ratio Lower Upper

77 100

105 167.6 89.6 129.6#

106 98.0 84.6 124.6





#10

Phenol

Concen: 3.904 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Instrument :

BNA_P

ClientSampleId :

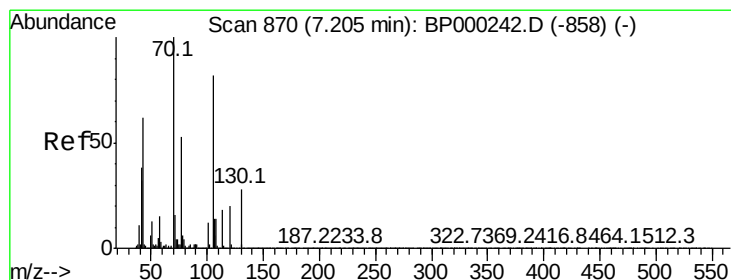
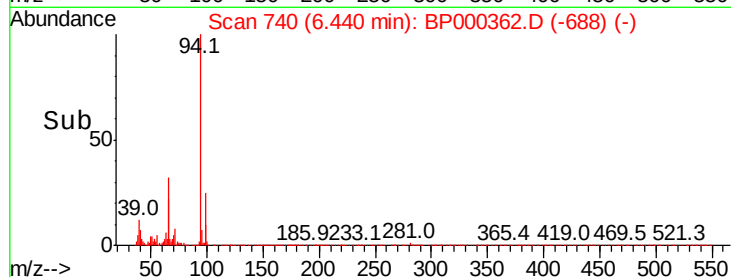
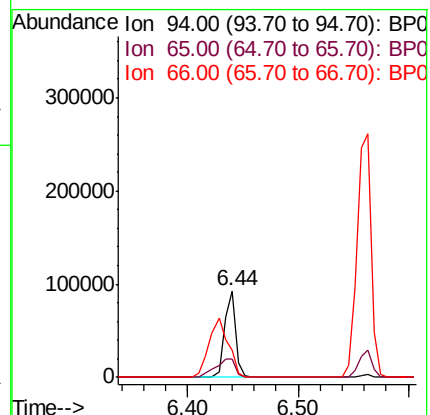
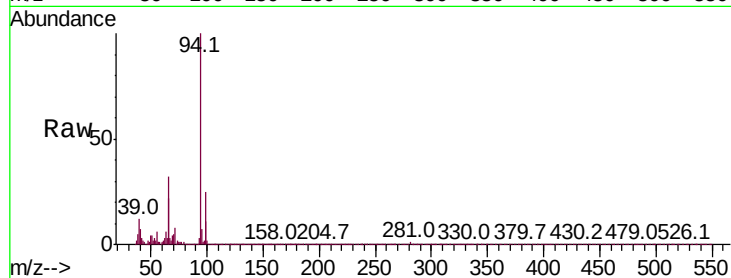
Tot Ion: 94 Resp: 65084

Ion Ratio Lower Upper

94 100

65 21.8 3.3 43.3

66 31.6 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.961 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Tgt Ion: 70 Resp: 92790

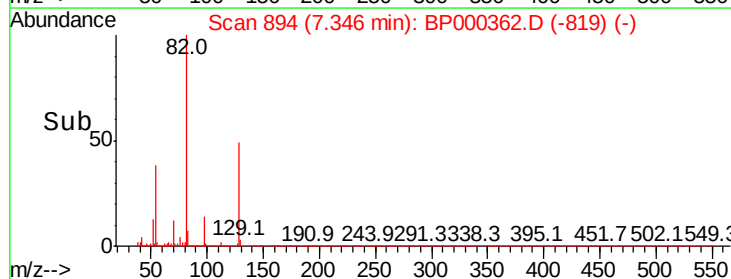
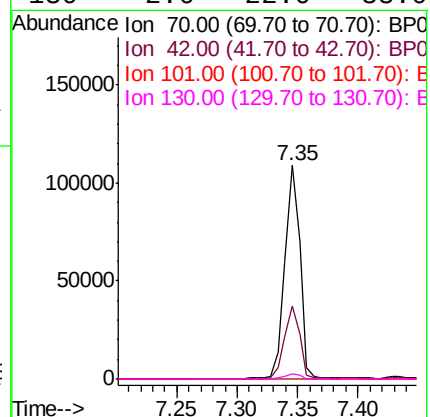
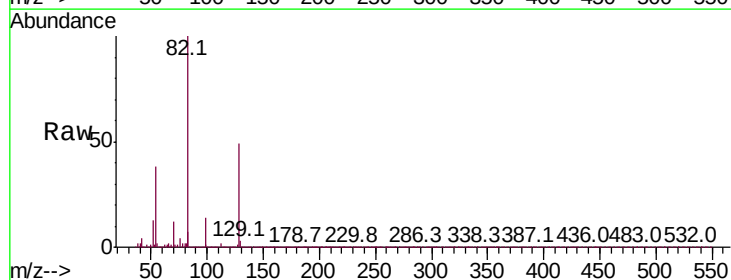
Ion Ratio Lower Upper

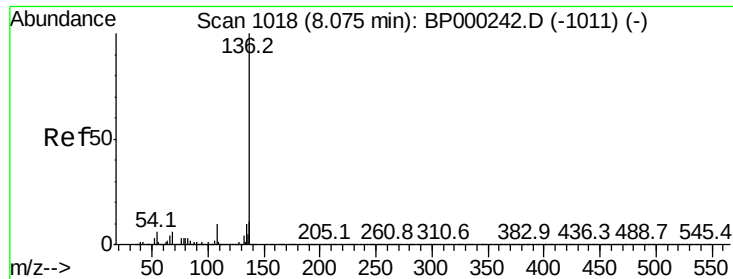
70 100

42 34.4 30.7 46.1

101 0.1 9.6 14.4#

130 2.6 22.0 33.0#

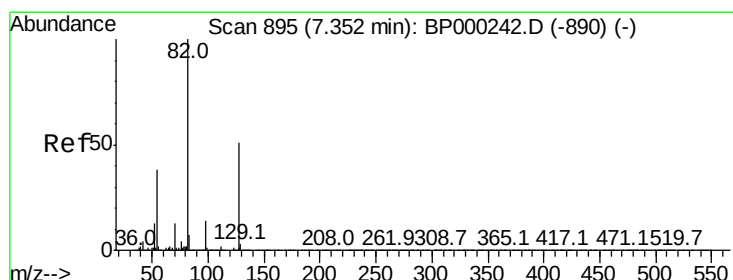
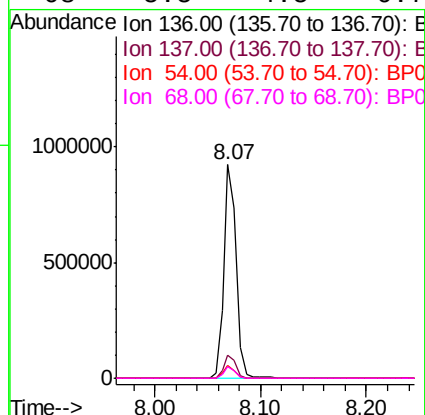
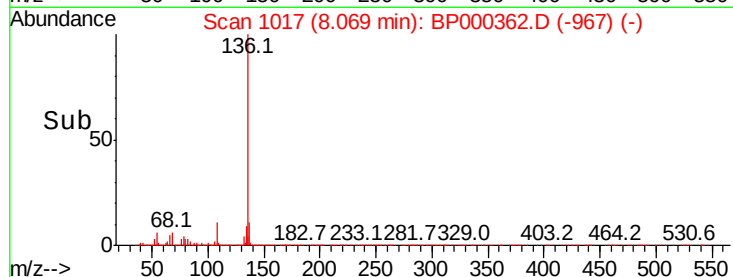
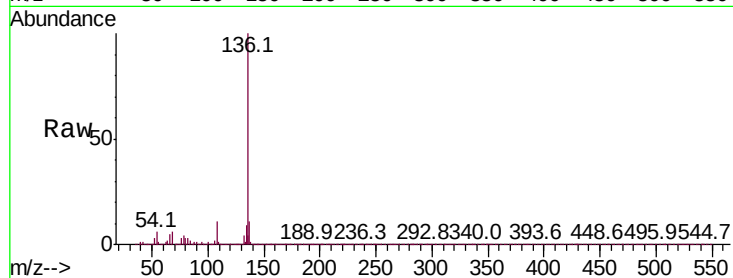




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

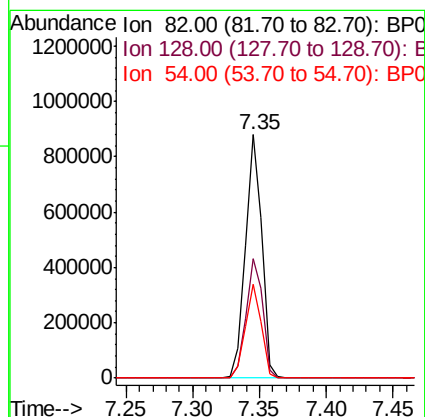
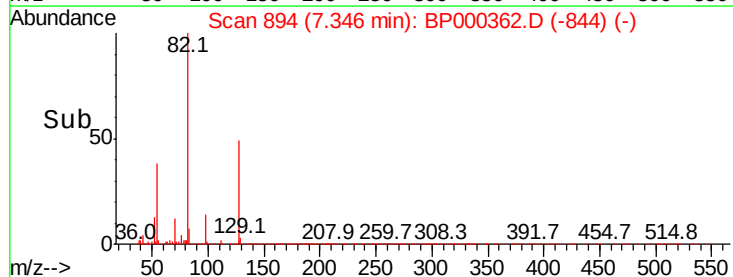
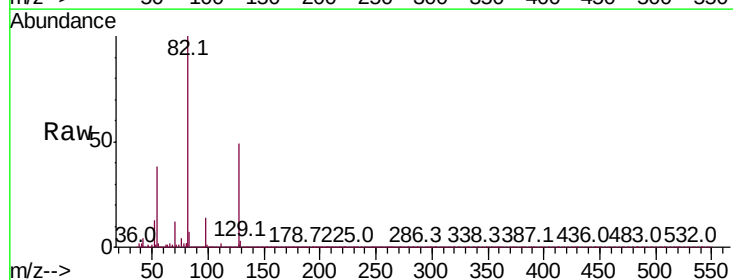
Instrument :
BNA_P
ClientSampled :

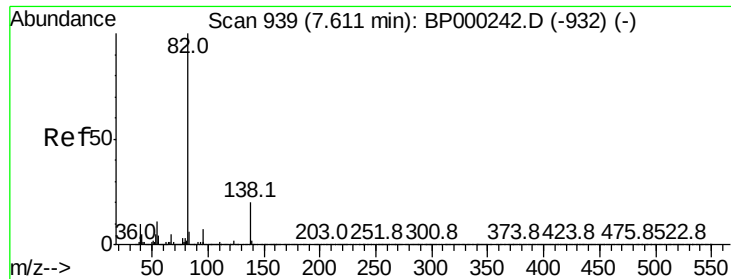
Tot Ion:136	Resp:	762078
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.6	13.0
54 5.7	4.5	6.7
68 5.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 63.423 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

Tgt Ion: 82	Resp:	749132
Ion Ratio	Lower	Upper
82 100		
128 48.9	40.7	61.1
54 38.4	30.1	45.1





#25

Isophorone

Concen: 31.990 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Instrument :

BNA_P

ClientSampleId :

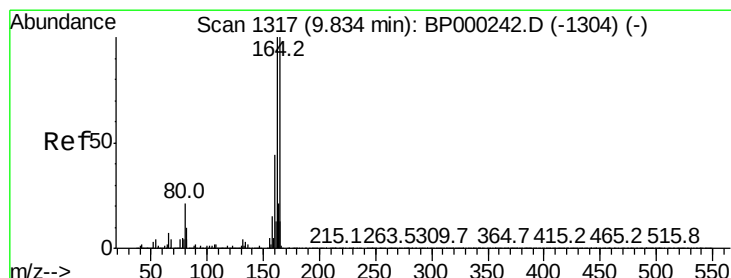
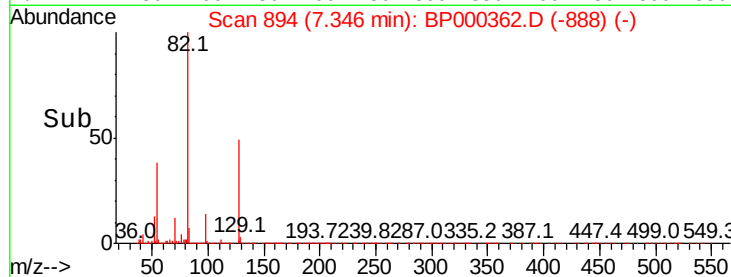
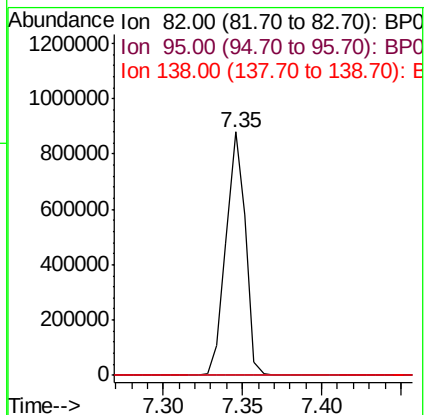
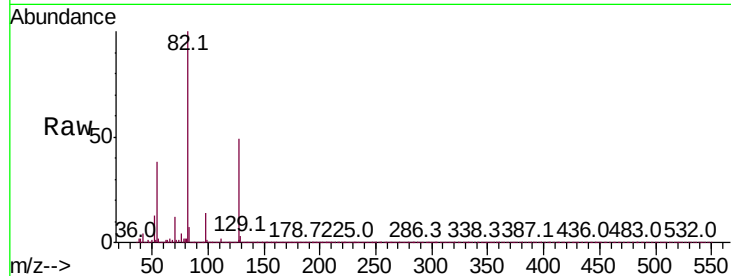
Tot Ion: 82 Resp: 748202

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

138 0.0 15.9 23.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

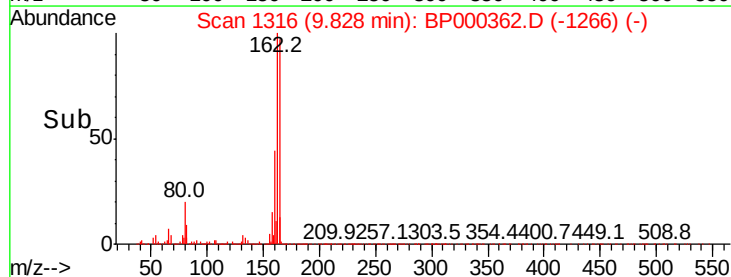
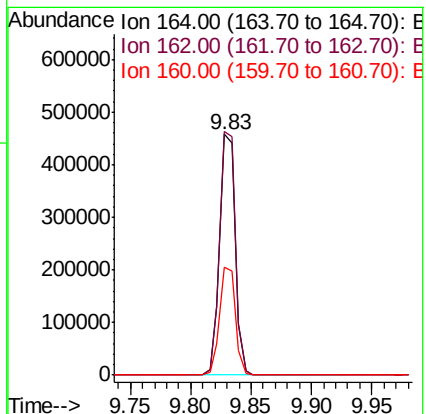
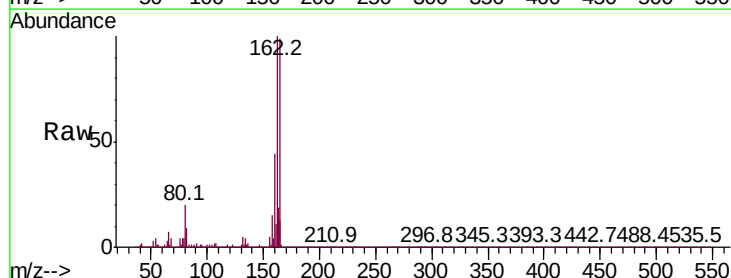
Tgt Ion:164 Resp: 405587

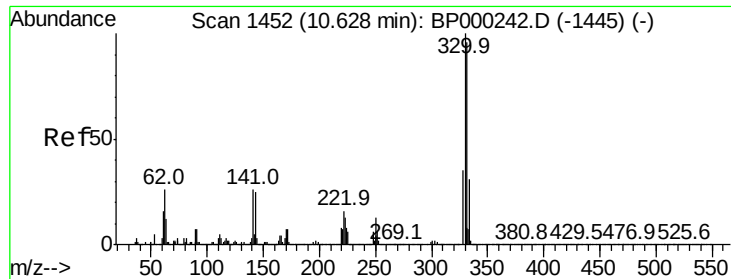
Ion Ratio Lower Upper

164 100

162 101.2 79.9 119.9

160 45.0 35.6 53.4

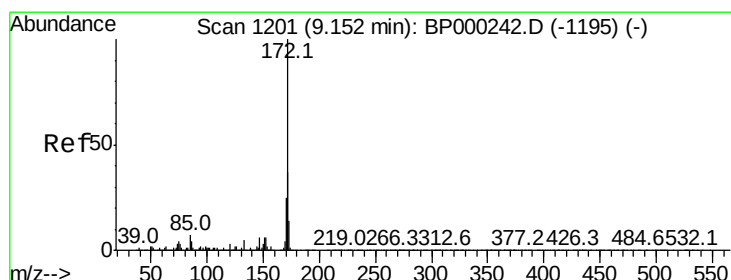
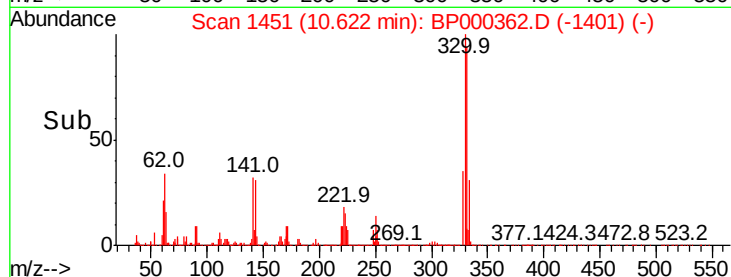
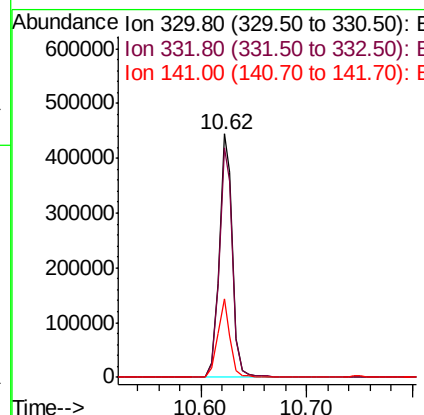
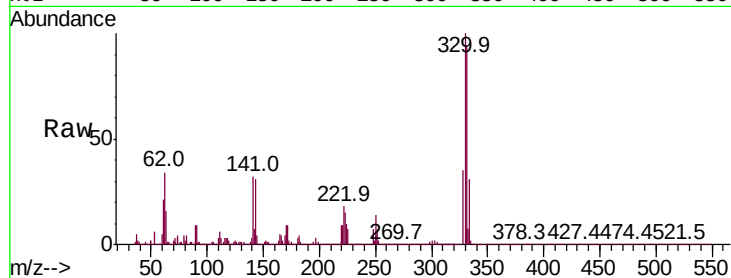




#42
2,4,6-Tribromophenol
Concen: 98.759 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

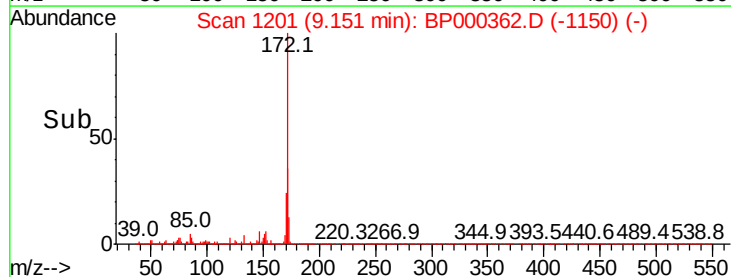
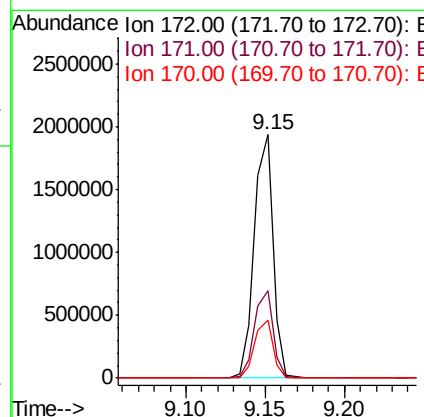
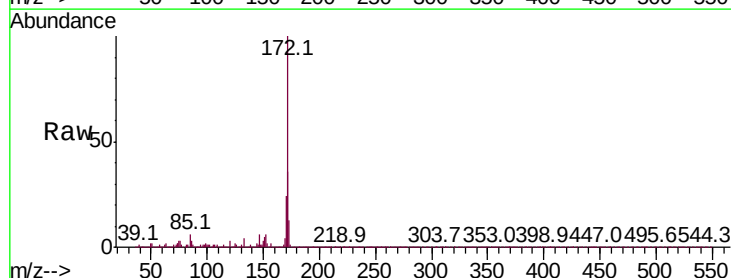
Instrument :
BNA_P
ClientSampled :

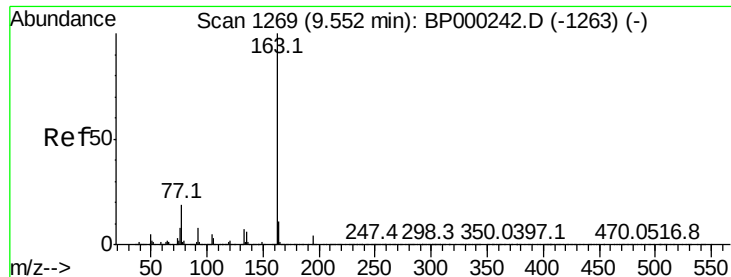
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	29.9	26.5	39.7



#45
2-Fluorobiphenyl
Concen: 70.671 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.8	44.6
170	23.7	19.8	29.6

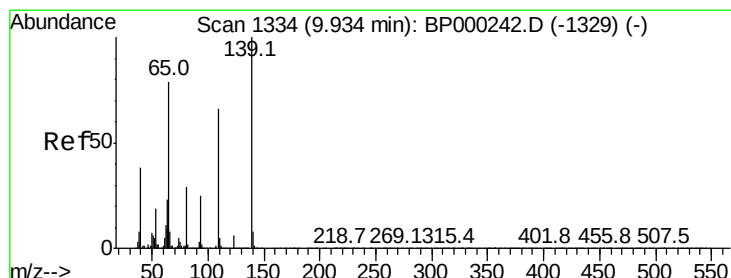
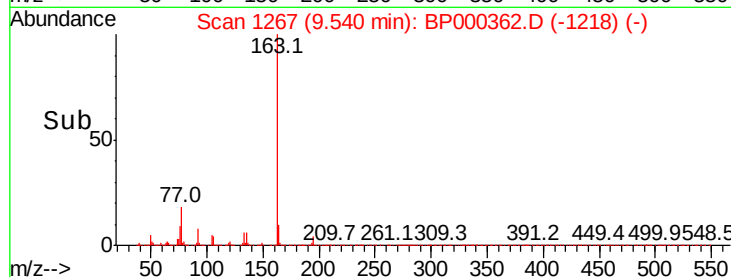
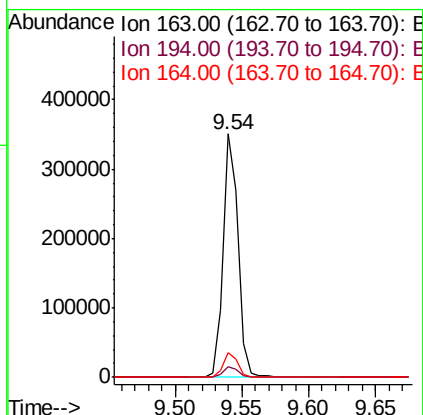
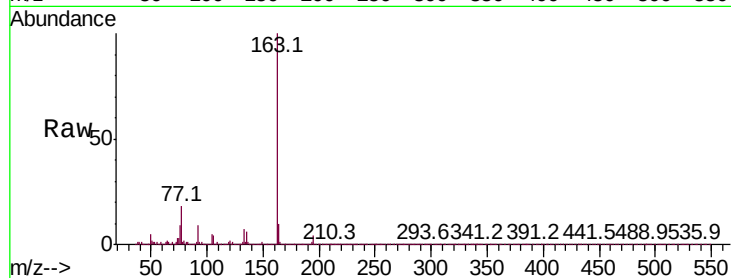




#50
Dimethylphthalate
Concen: 10.037 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

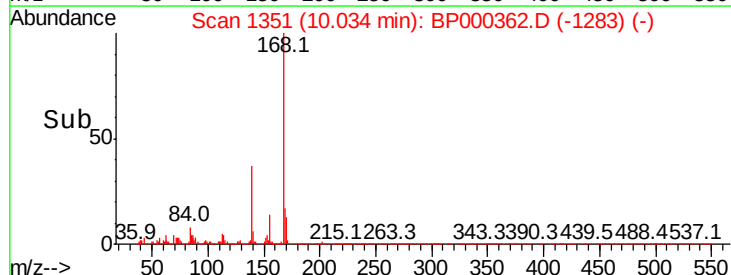
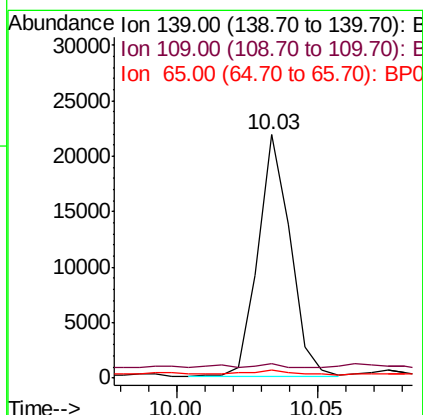
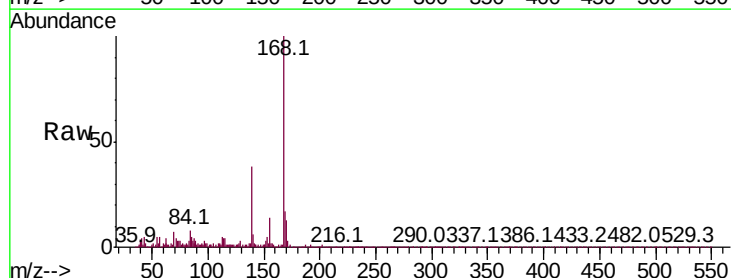
Instrument :
BNA_P
ClientSampled :

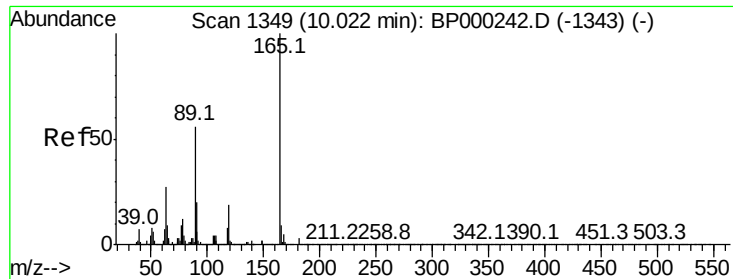
Tot Ion:163 Resp: 277360
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.3 8.5 12.7



#56
4-Nitrophenol
Concen: 3.262 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.10 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

Tgt Ion:139 Resp: 17112
Ion Ratio Lower Upper
139 100
109 6.1 46.2 86.2#
65 3.3 59.4 99.4#





#57

2,4-Dinitrotoluene

Concen: 6.791 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BP000362.D

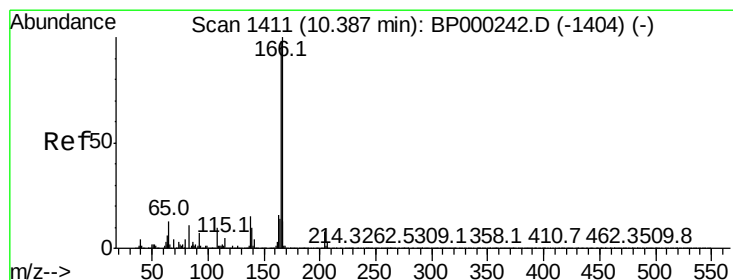
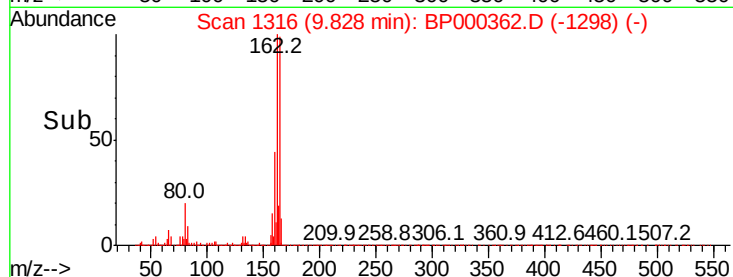
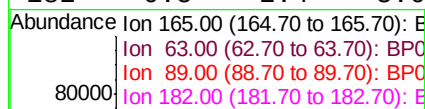
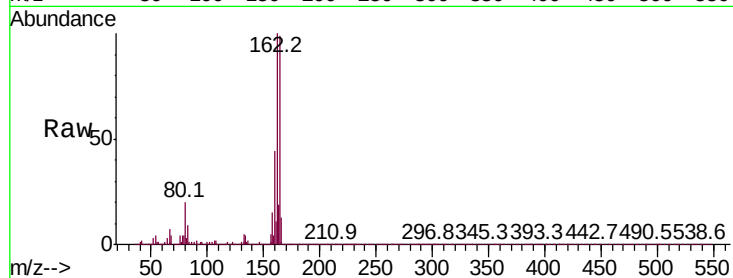
Acq: 20 Sep 2019 18:25

Instrument :

BNA_P

ClientSampleId :

Tot Ion:165	Resp:	53939
Ion Ratio	Lower	Upper
165	100	
63	1.2	21.7 32.5#
89	1.8	45.0 67.6#
182	0.5	2.4 3.6#



#58

Fluorene

Concen: 2.818 ng

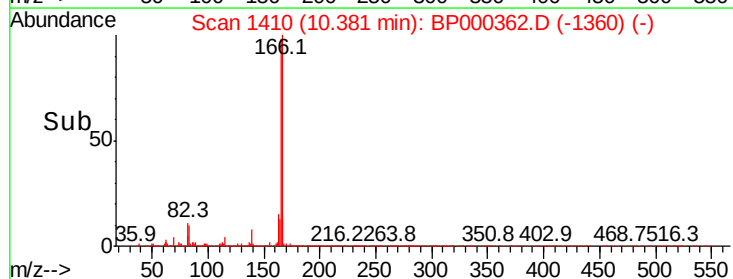
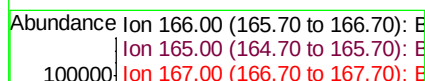
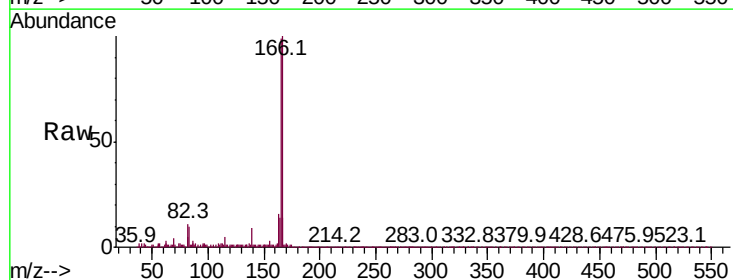
RT: 10.38 min Scan# 1410

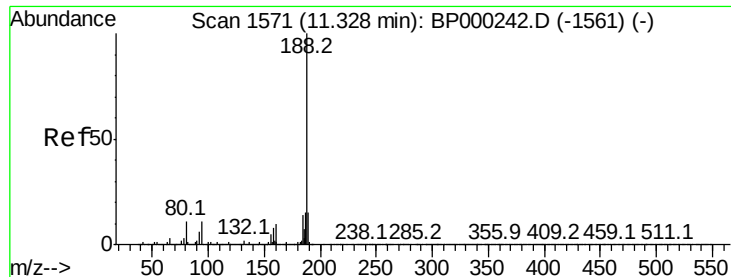
Delta R.T. -0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Tgt Ion:166	Resp:	68694
Ion Ratio	Lower	Upper
166	100	
165	98.6	78.2 117.2
167	13.7	10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Instrument :

BNA_P

ClientSampled :

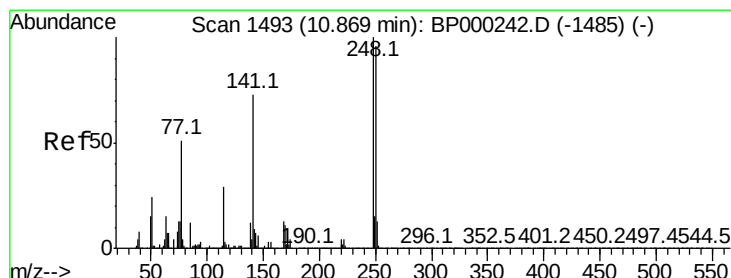
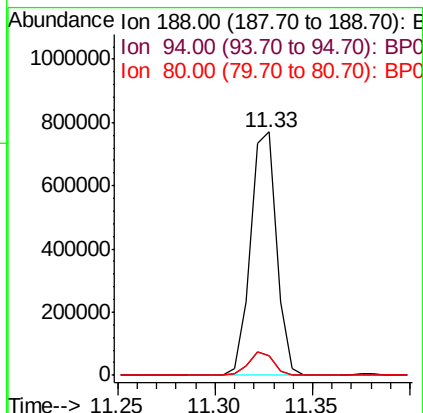
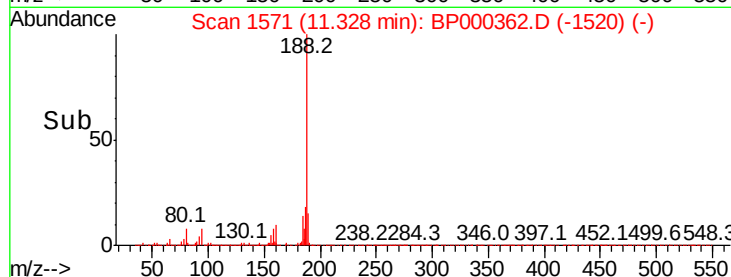
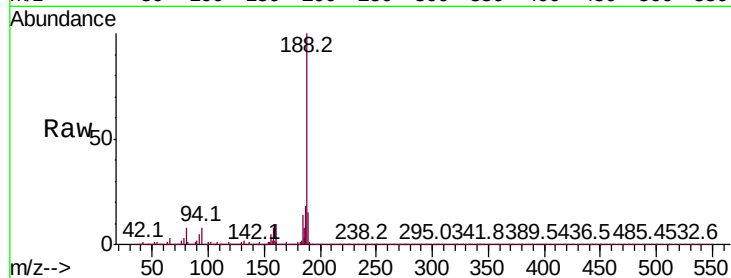
Tot Ion:188 Resp: 712373

Ion Ratio Lower Upper

188 100

94 8.3 8.5 12.7#

80 8.1 8.6 13.0#



#67

4-Bromophenyl-phenylether

Concen: 3.330 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

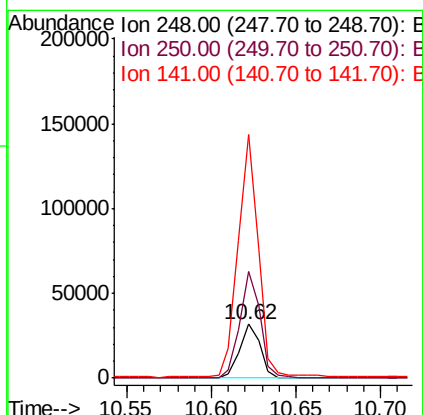
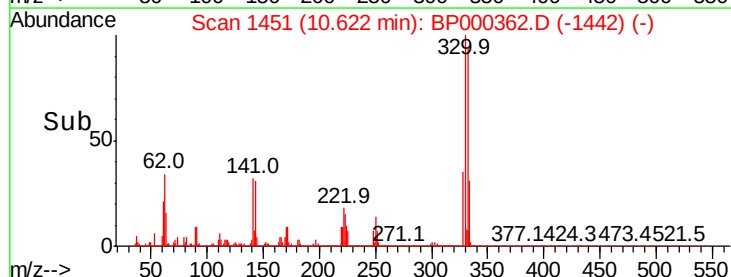
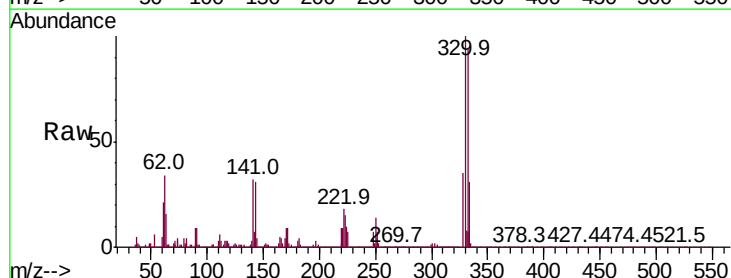
Tgt Ion:248 Resp: 26822

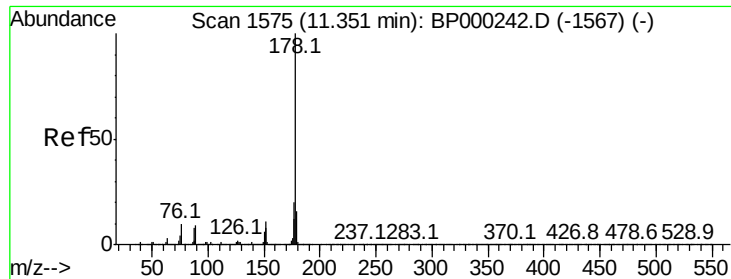
Ion Ratio Lower Upper

248 100

250 198.7 77.0 115.4#

141 453.4 58.5 87.7#

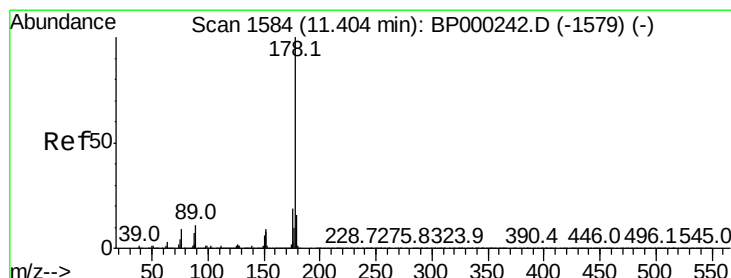
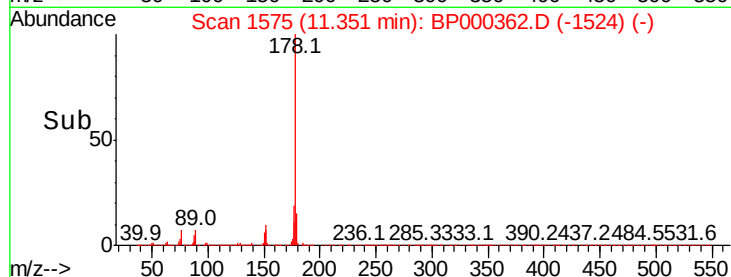
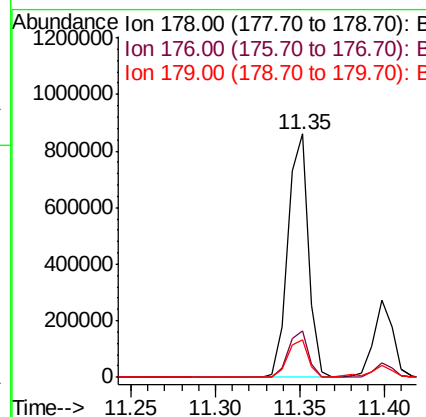
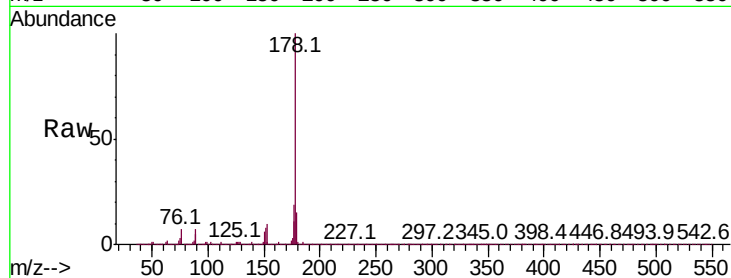




#71
Phenanthrene
Concen: 20.354 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

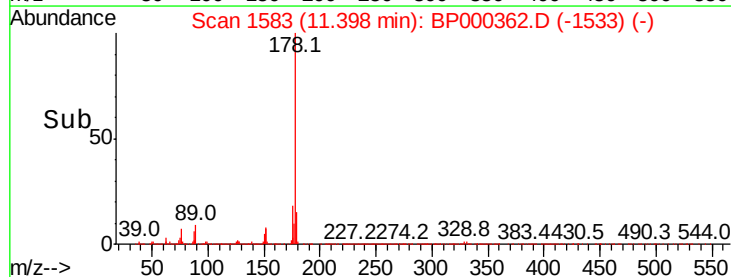
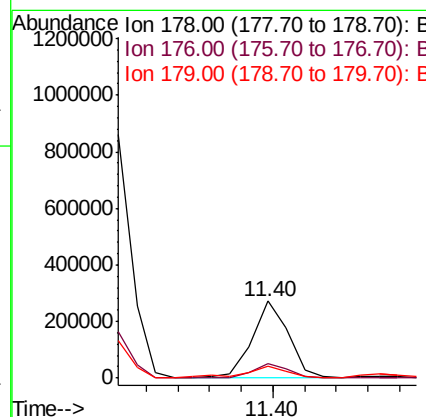
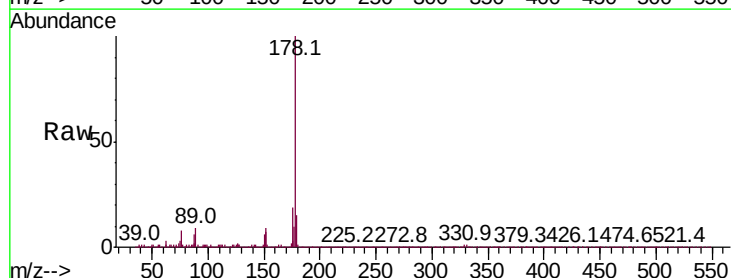
Instrument :
BNA_P
ClientSampled :

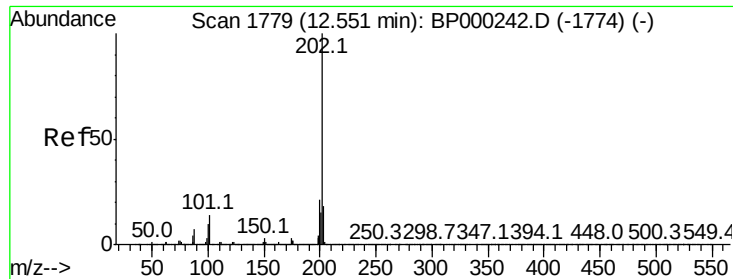
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.2	12.7	19.1



#72
Anthracene
Concen: 5.752 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BP000362.D
Acq: 20 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.4	12.7	19.1





#75

Fluoranthene

Concen: 32.146 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Instrument :

BNA_P

ClientSampleId :

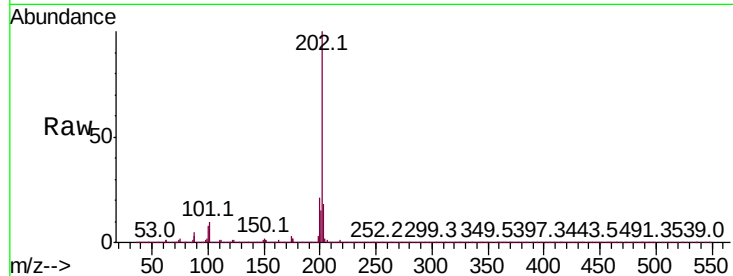
Tot Ion:202 Resp: 1232236

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.9

203 17.7 0.0 38.0

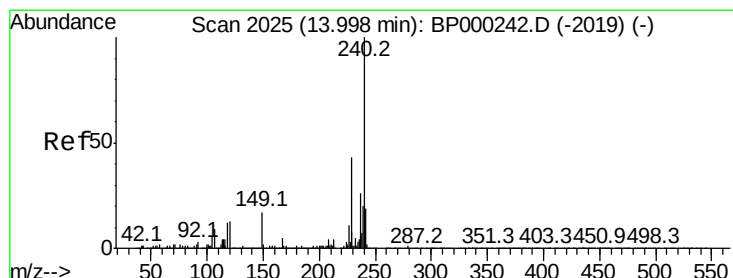
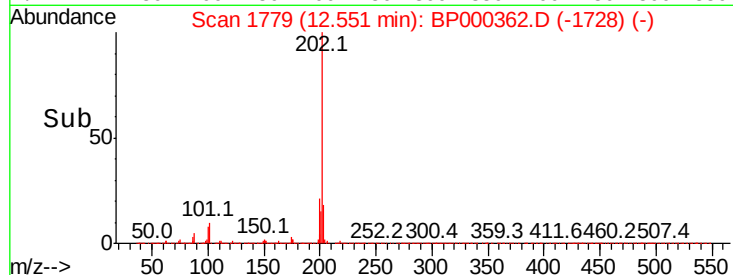
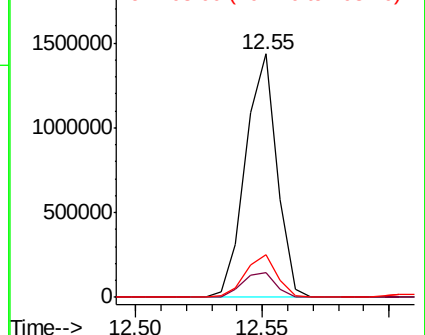


Abundance

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

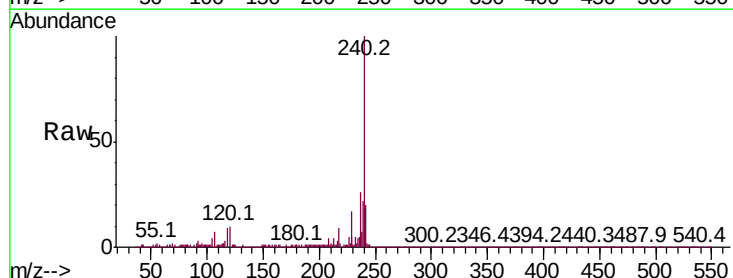
Tgt Ion:240 Resp: 618133

Ion Ratio Lower Upper

240 100

120 10.5 10.4 15.6

236 26.1 21.0 31.6

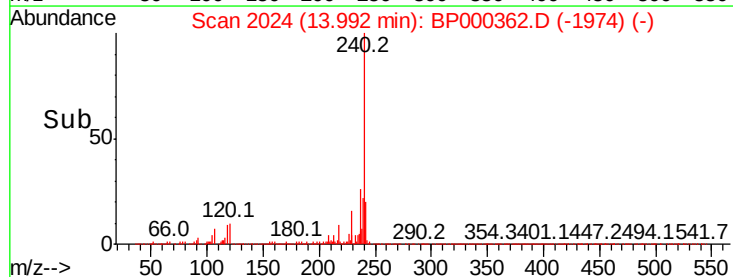
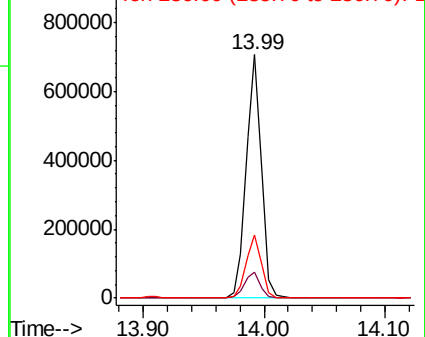


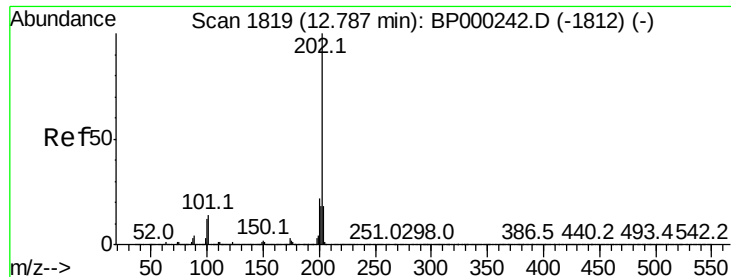
Abundance

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





#78

Pvrene

Concen: 23.848 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

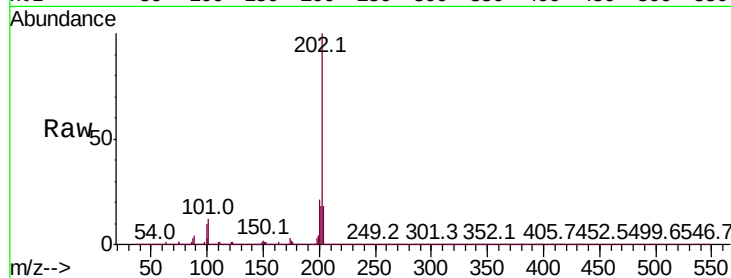
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 1102872

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	17.7	14.3	21.5

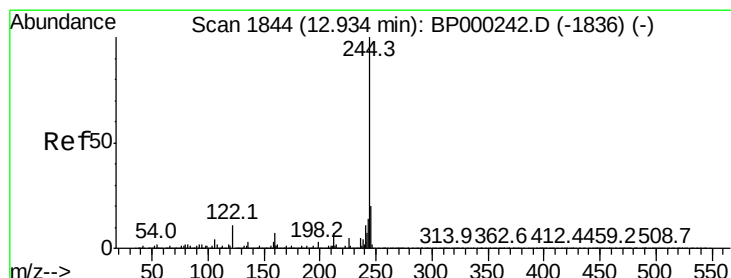
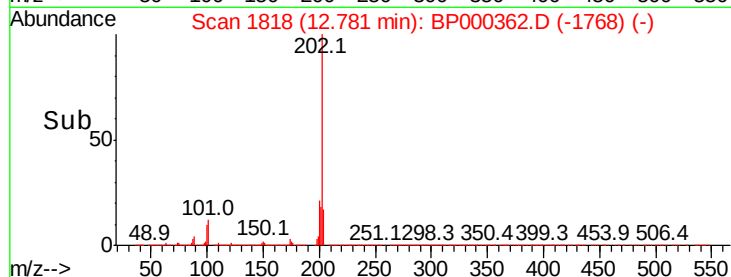
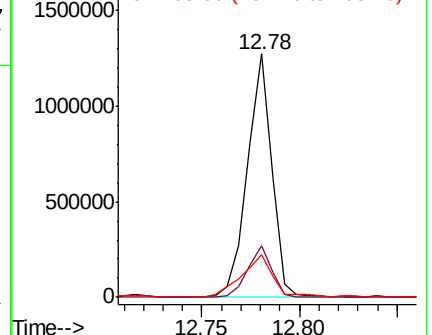


Abundance

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: 56.774 ng

RT: 12.93 min Scan# 1843

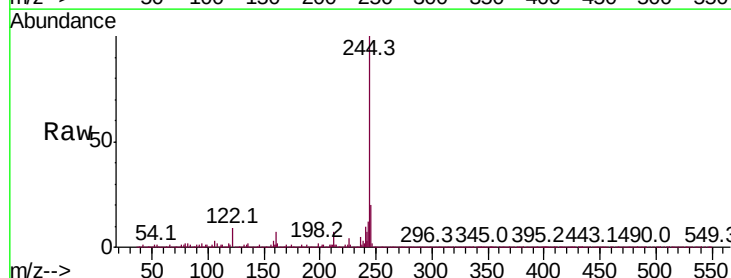
Delta R.T. -0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Tgt Ion:244 Resp: 1672858

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	9.5	9.0	13.4

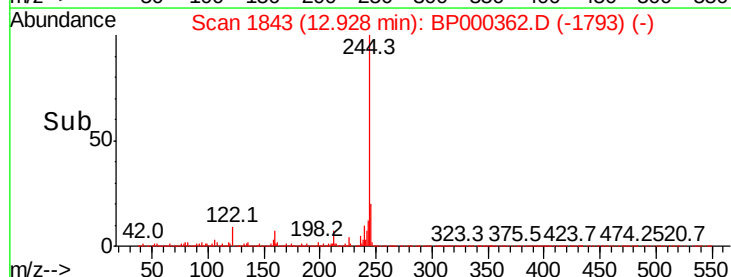
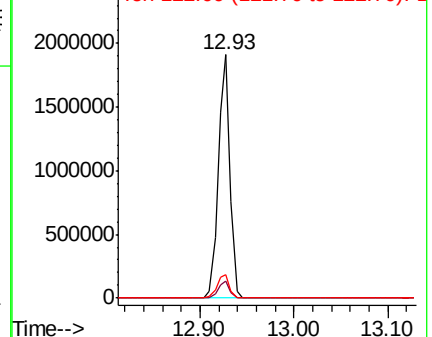


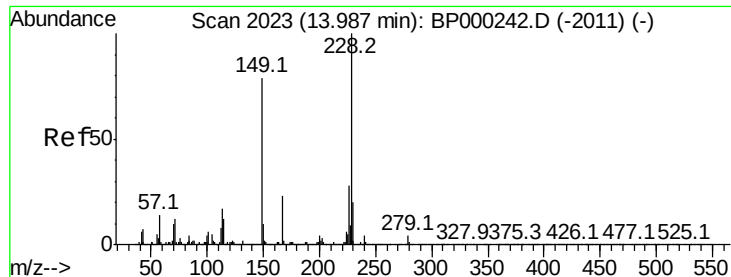
Abundance

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





#81

Benzo(a)anthracene

Concen: 16.054 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Instrument :

BNA_P

ClientSampleId :

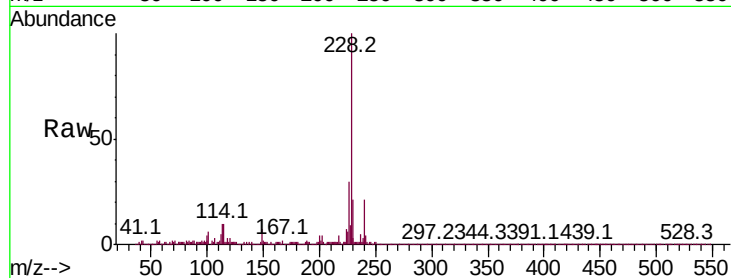
Tot Ion:228 Resp: 626842

Ion Ratio Lower Upper

228 100

226 30.4 22.2 33.4

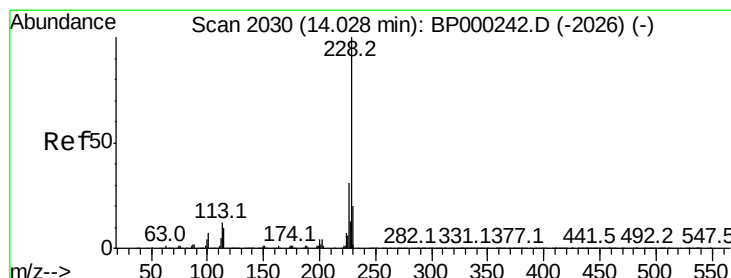
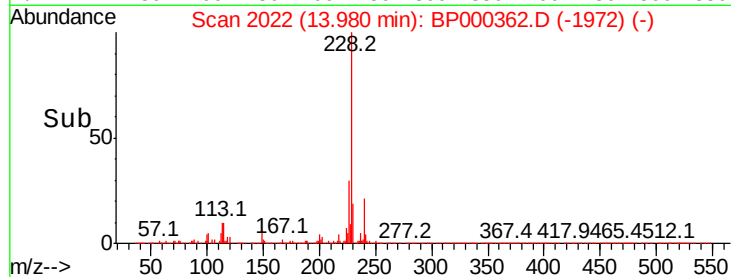
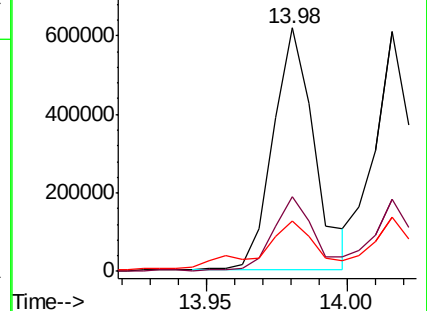
229 20.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 14.001 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

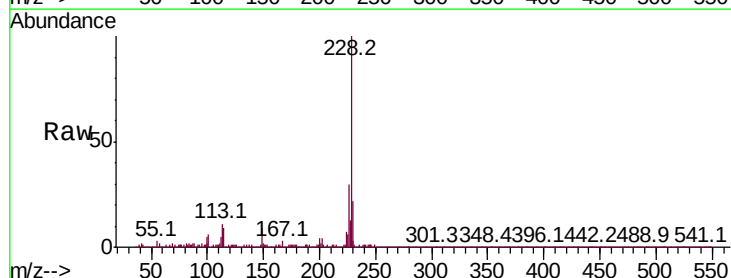
Tgt Ion:228 Resp: 536749

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

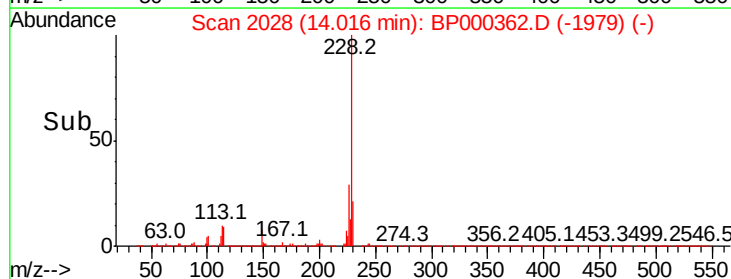
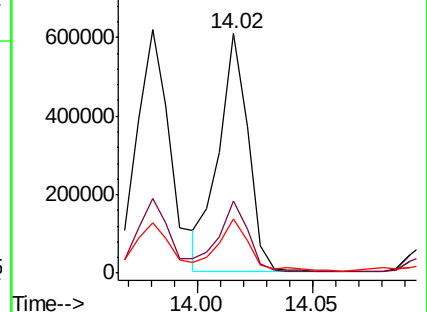
229 22.4 16.2 24.2

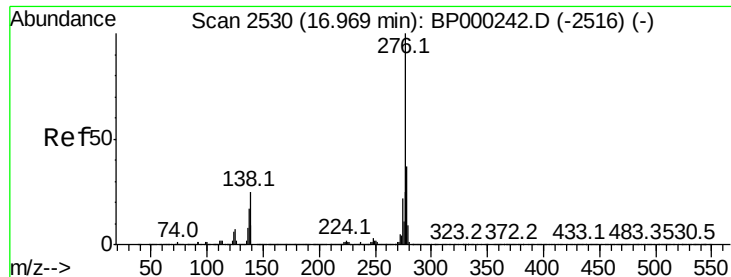


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

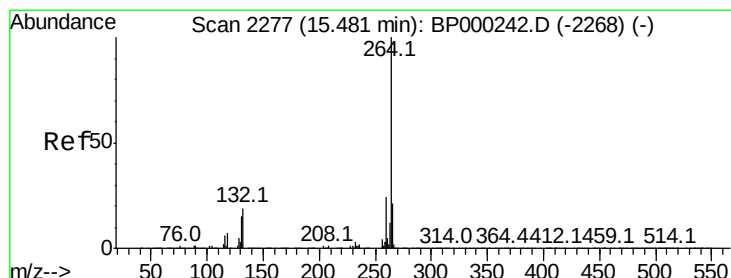
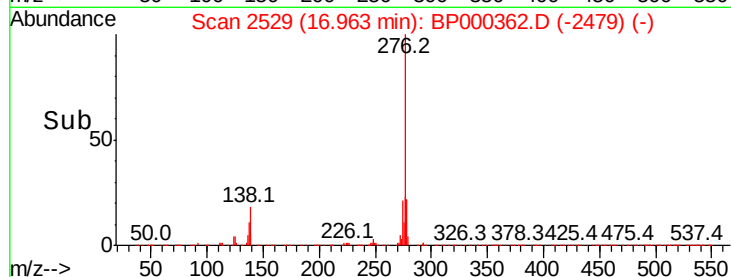
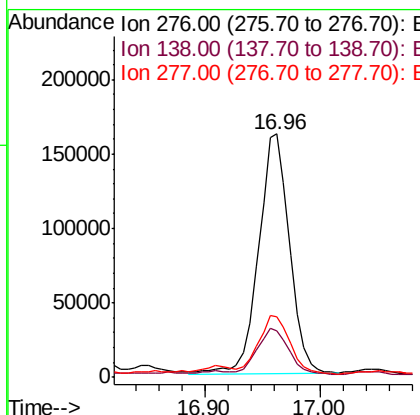
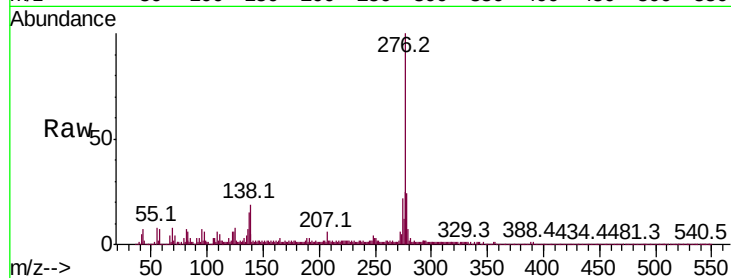




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.424 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BP000362.D
 Acq: 20 Sep 2019 18:25

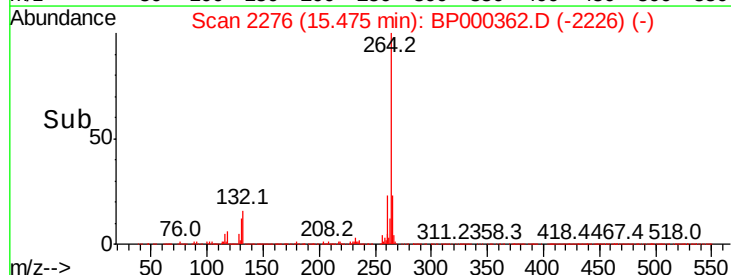
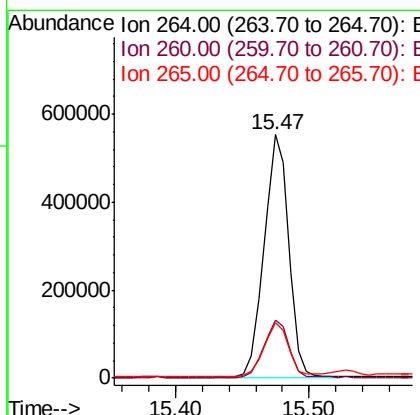
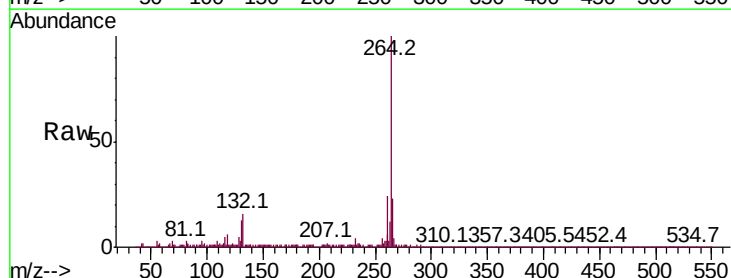
Instrument :
 BNA_P
 ClientSampleId :

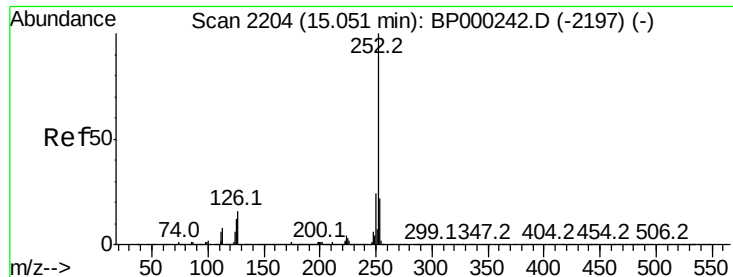
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	22.6	33.8#
277	24.4	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.01 min
 Lab File: BP000362.D
 Acq: 20 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.9	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 23.563 ng

RT: 15.05 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BP000362.D

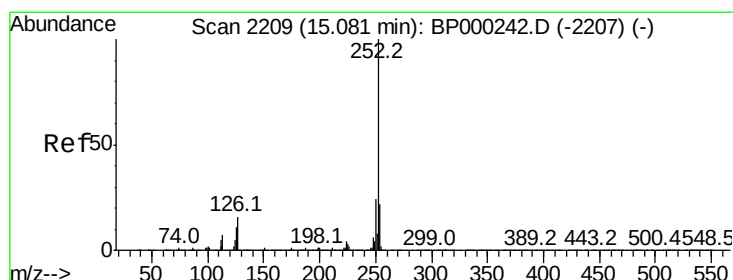
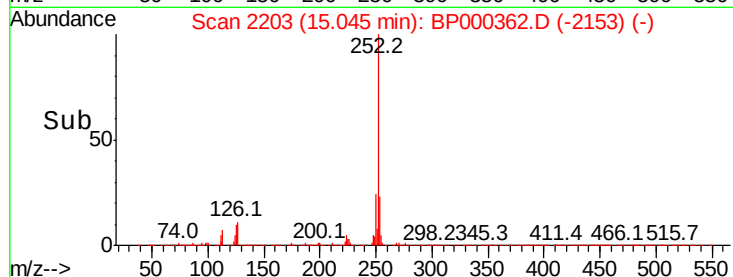
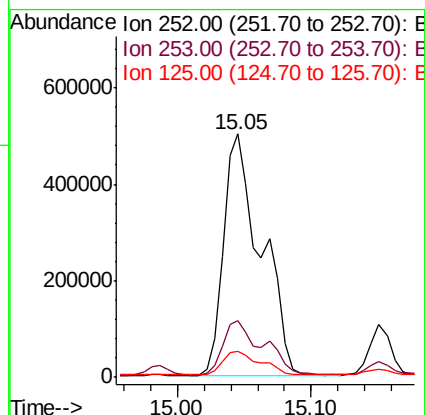
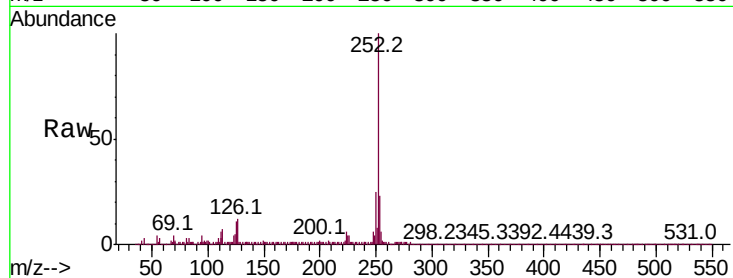
Acq: 20 Sep 2019 18:25

Instrument :

BNA_P

ClientSampleId :

Tot Ion:252	Resp:	987311
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.8 26.6
125	10.9	9.5 14.3



#89

Benzo(k)fluoranthene

Concen: 27.013 ng

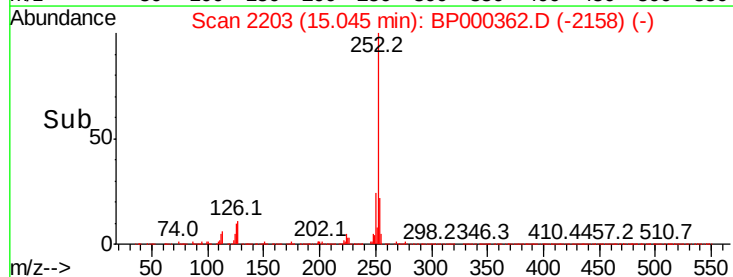
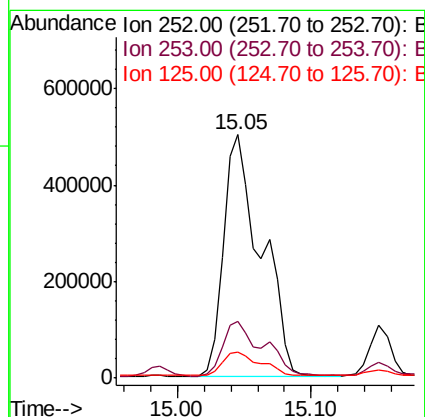
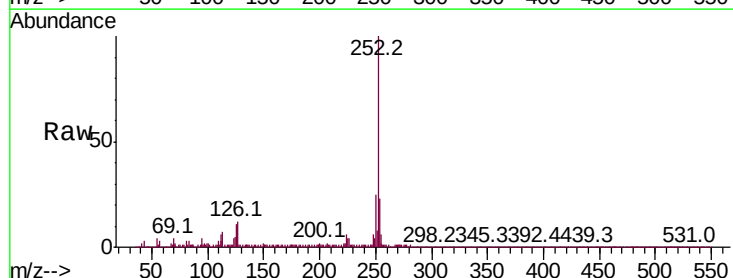
RT: 15.05 min Scan# 2203

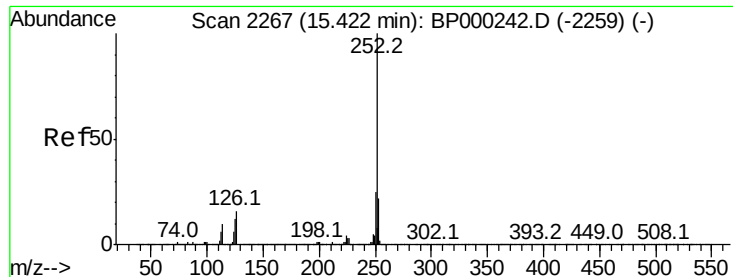
Delta R.T. -0.04 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Tgt Ion:252	Resp:	987311
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.8 26.8
125	10.9	9.6 14.4





#90

Benzo(a)pyrene

Concen: 13.738 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

Instrument :

BNA_P

ClientSampleId :

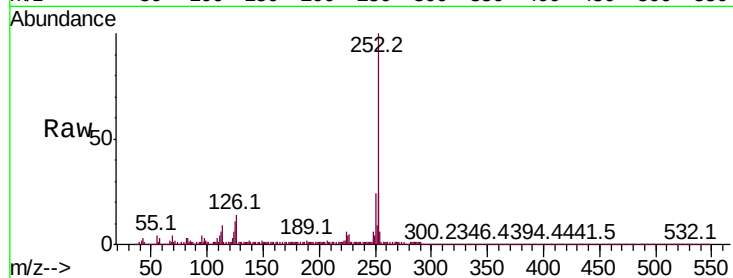
Tot Ion:252 Resp: 523782

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

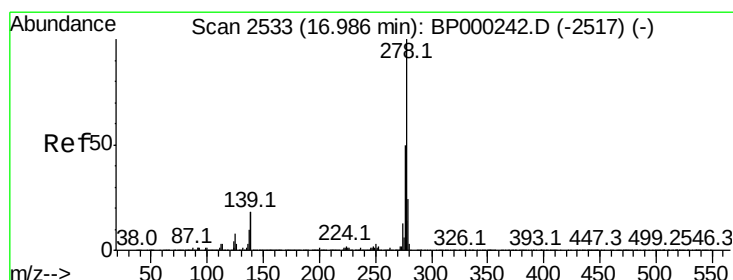
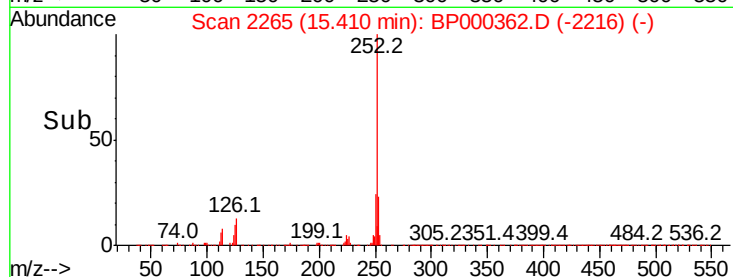
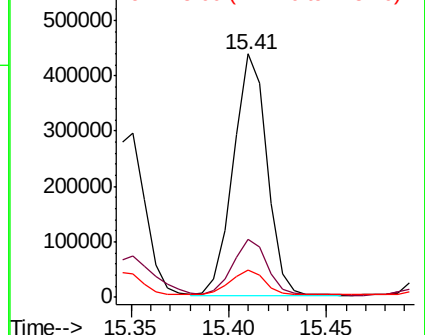
125 11.4 10.0 15.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 2.248 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.02 min

Lab File: BP000362.D

Acq: 20 Sep 2019 18:25

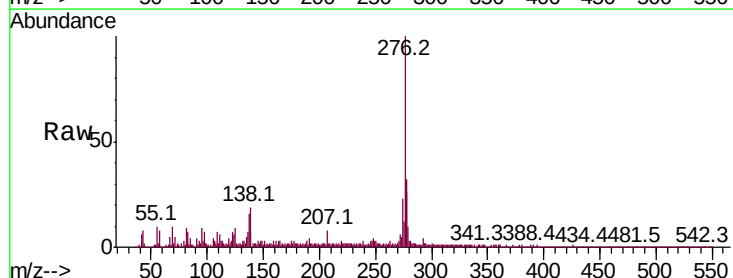
Tgt Ion:278 Resp: 79901

Ion Ratio Lower Upper

278 100

139 21.0 14.5 21.7

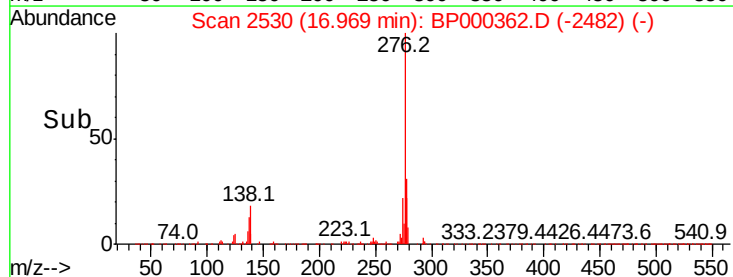
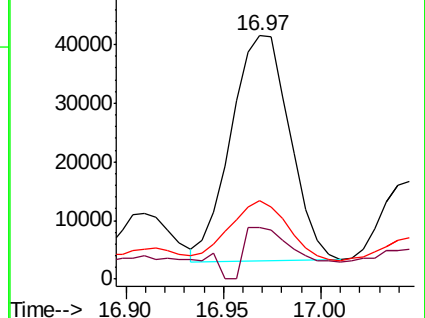
279 32.0 19.0 28.6#

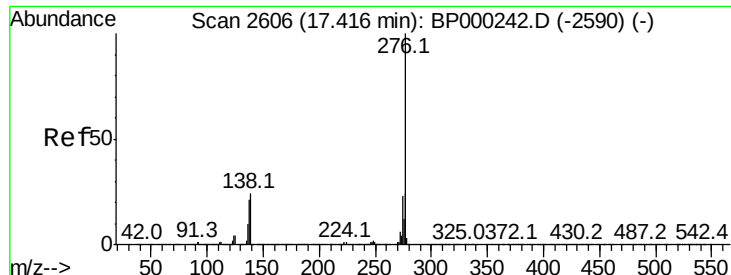


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

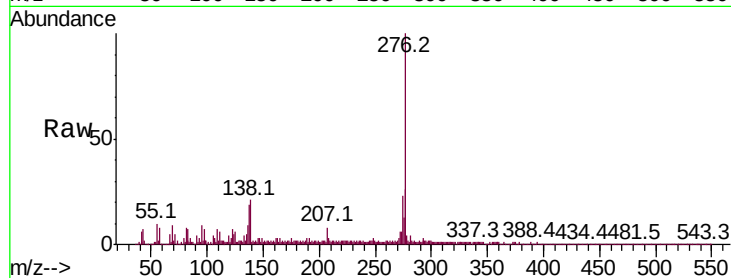




#92
 Benzo(a,h,i)perylene
 Concen: 7.365 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BP000362.D
 Acq: 20 Sep 2019 18:25

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:	276	Resp:	269096
Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.1	28.7
138	21.3	19.5	29.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

