

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000253.D
 Acq On : 16 Sep 2019 22:00
 Operator : HP/JU
 Sample : K4877-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 17 06:12:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	313035	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1148967	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	624599	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1113003	20.00	ng	0.00
76) Chrysene-d12	13.99	240	921529	20.00	ng	-0.01
87) Perylene-d12	15.47	264	1042988	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1439319	79.38	ng	0.00
7) Phenol-d6	6.42	99	1833341	82.48	ng	0.00
23) Nitrobenzene-d5	7.35	82	997998	56.04	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	505636	81.62	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2050448	59.08	ng	0.00
79) Terphenyl-d14	12.93	244	2190383	49.86	ng	0.00

Target Compounds

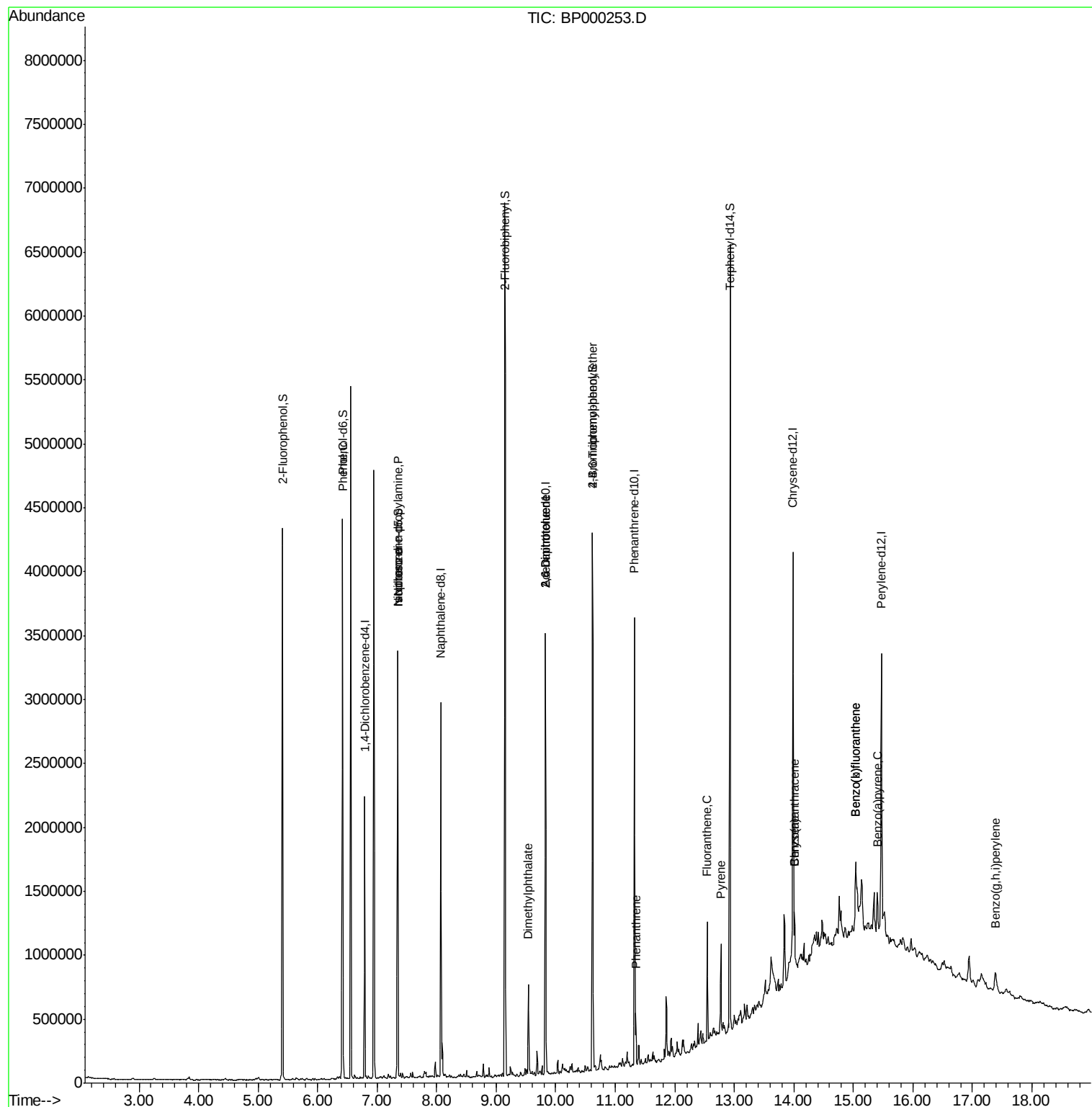
						Qvalue
9) Benzaldehyde	6.33	77	2962	Below Cal		91
10) Phenol	6.43	94	76924	3.046 ng		95
19) n-Nitroso-di-n-propylamine	7.35	70	122686	10.440 ng	#	75
25) Isophorone	7.35	82	996895	28.271 ng	#	63
50) Dimethylphthalate	9.54	163	258758	6.081 ng		99
51) 2,6-Dinitrotoluene	9.83	165	82922	8.862 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	82922	6.779 ng	#	35
67) 4-Bromophenyl-phenylether	10.62	248	34390	2.732 ng	#	1
69) Atrazine	11.03	200	310	Below Cal	#	1
71) Phenanthrene	11.35	178	133026	2.385 ng		98
75) Fluoranthene	12.55	202	317127	5.295 ng		98
78) Pvrene	12.77	202	271101	3.932 ng		98
81) Benzo(a)anthracene	14.01	228	186358	3.201 ng		94
83) Chrysene	14.01	228	186358	3.261 ng		96
88) Benzo(b)fluoranthene	15.04	252	349607	5.619 ng	#	97
89) Benzo(k)fluoranthene	15.04	252	349607	6.441 ng	#	97
90) Benzo(a)pvrene	15.40	252	142963	2.525 ng	#	93
92) Benzo(g,h,i)perylene	17.39	276	111759	2.060 ng		98

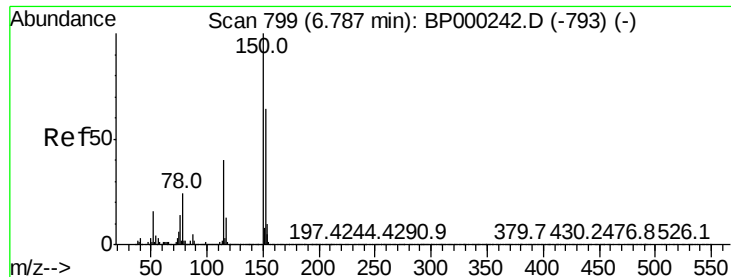
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
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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: BP000253.D

Acq: 16 Sep 2019 22:00

Instrument :

BNA_P

ClientSampleId :

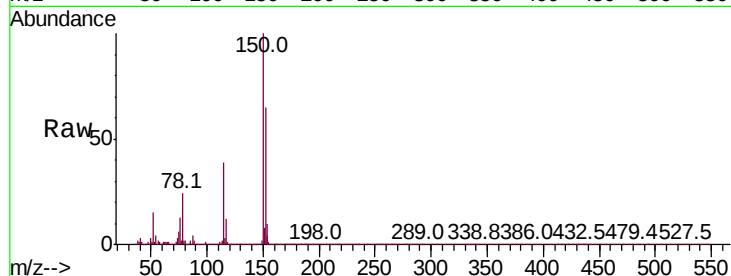
Tot Ion:152 Resp: 313035

Ion Ratio Lower Upper

152 100

150 155.0 125.2 187.8

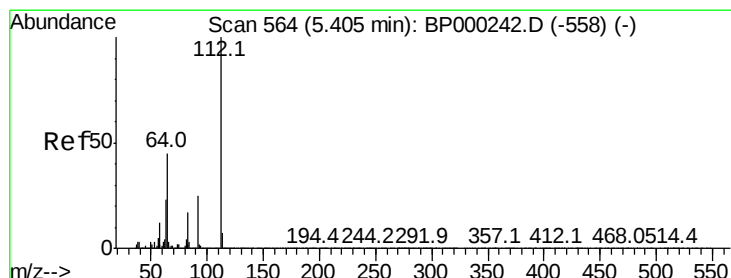
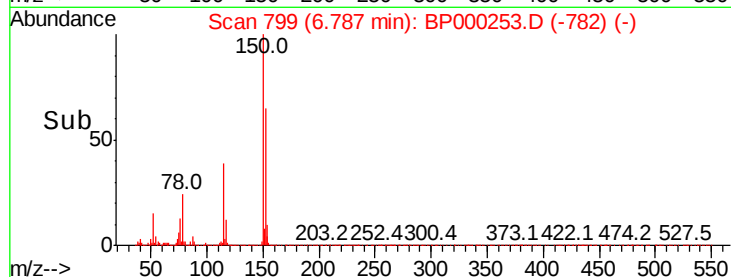
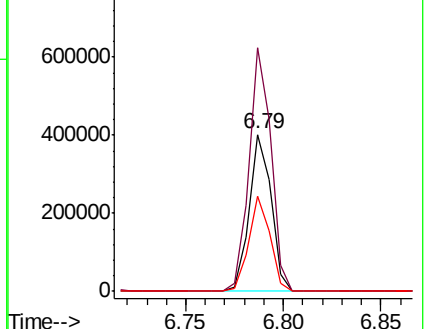
115 60.2 49.7 74.5



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: 79.377 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

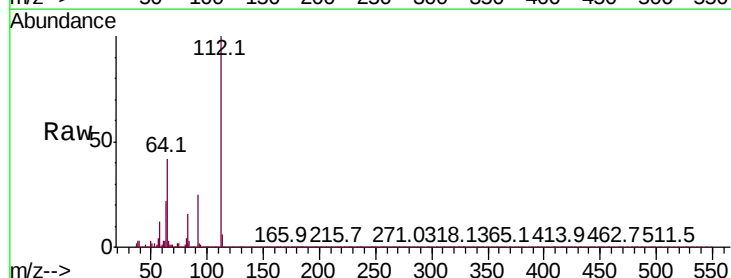
Tgt Ion:112 Resp: 1439319

Ion Ratio Lower Upper

112 100

64 42.3 36.2 54.4

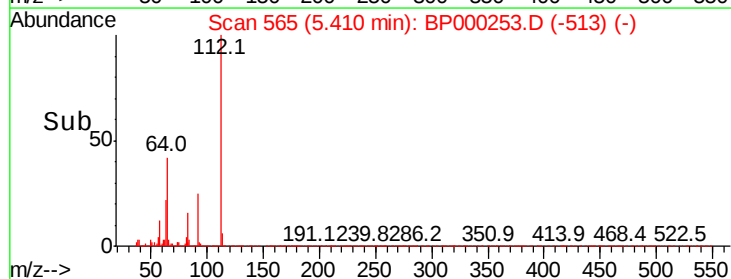
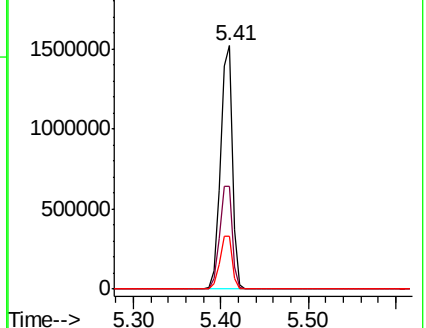
63 21.6 18.3 27.5

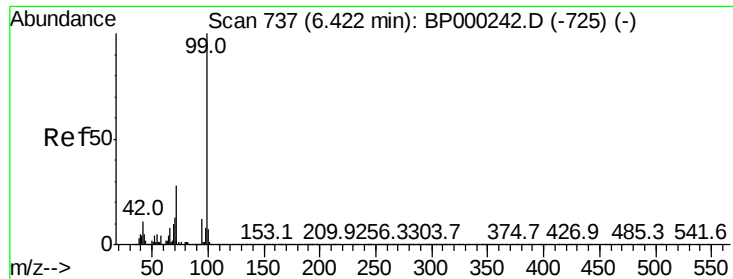


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 82.483 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Instrument :

BNA_P

ClientSampled :

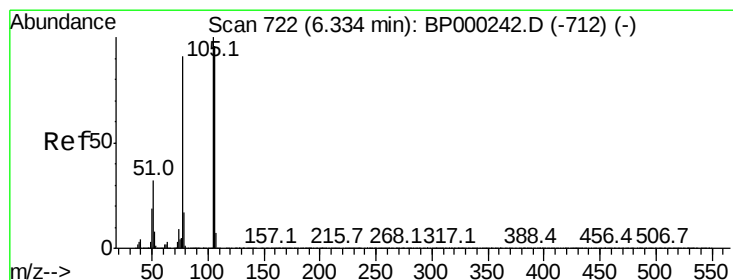
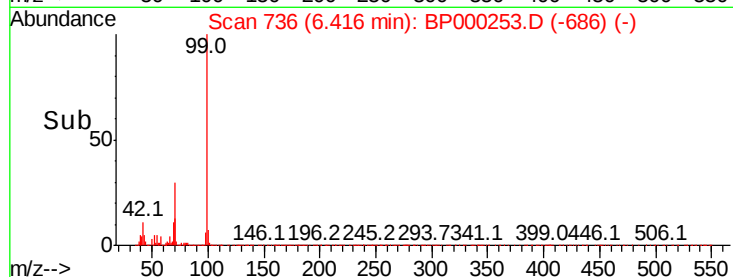
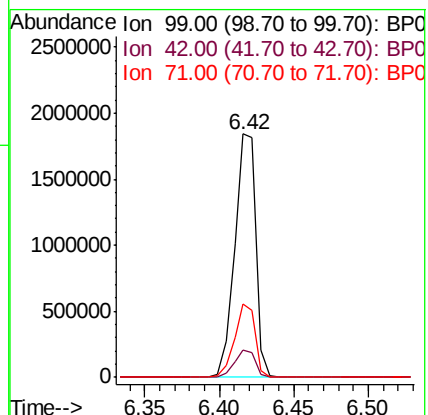
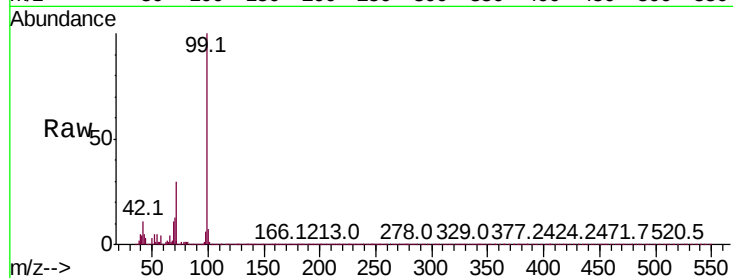
Tot Ion: 99 Resp: 1833341

Ion Ratio Lower Upper

99 100

42 11.3 8.5 12.7

71 30.1 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

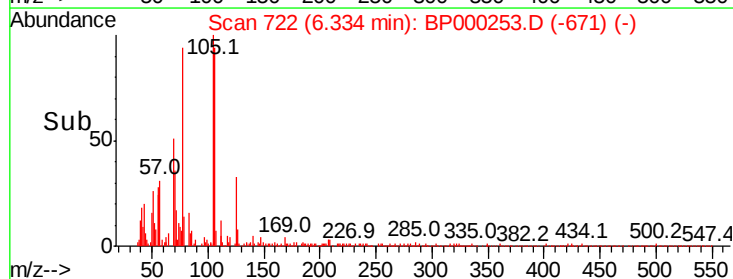
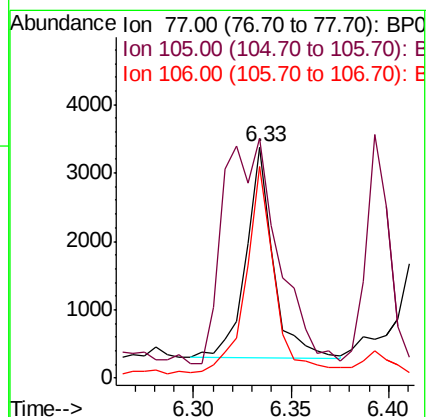
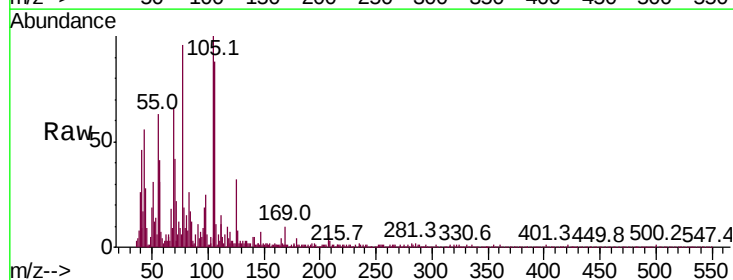
Tgt Ion: 77 Resp: 2962

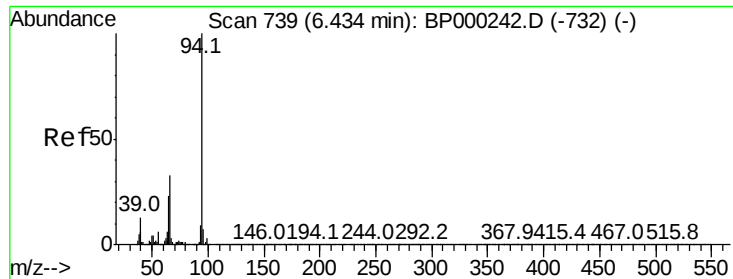
Ion Ratio Lower Upper

77 100

105 103.8 89.6 129.6

106 91.5 84.6 124.6





#10

Phenol

Concen: 3.046 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Instrument :

BNA_P

ClientSampleId :

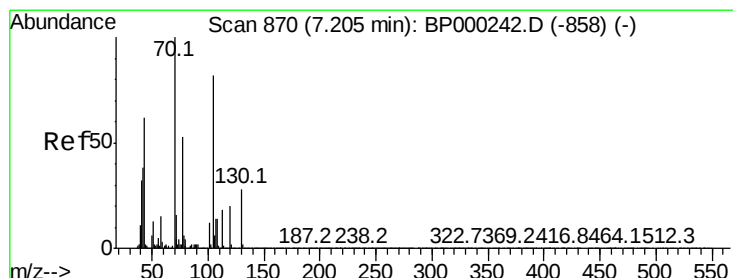
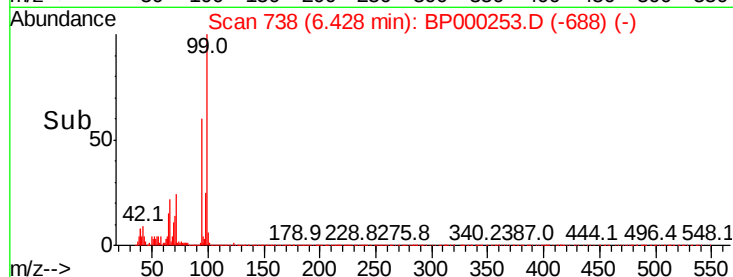
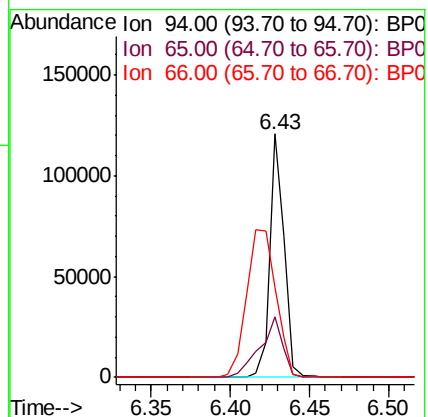
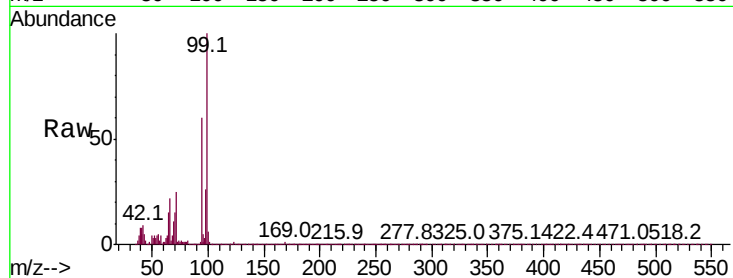
Tot Ion: 94 Resp: 76924

Ion Ratio Lower Upper

94 100

65 24.7 3.3 43.3

66 36.8 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.440 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Tgt Ion: 70 Resp: 122686

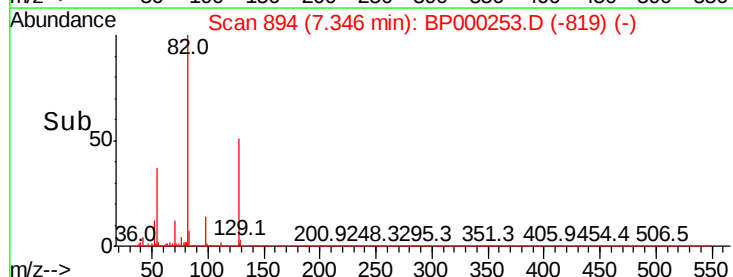
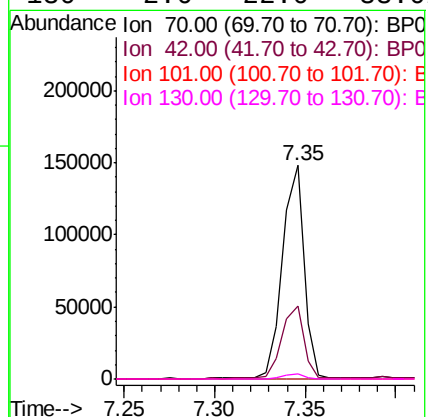
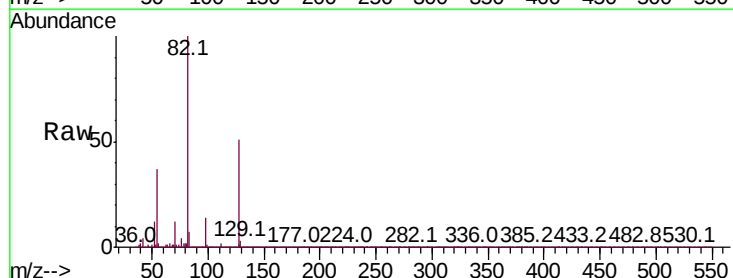
Ion Ratio Lower Upper

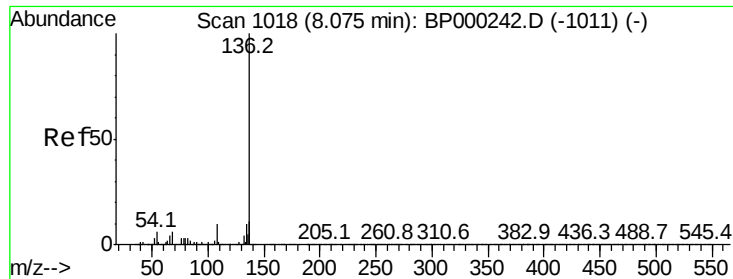
70 100

42 34.3 30.7 46.1

101 0.1 9.6 14.4#

130 2.6 22.0 33.0#

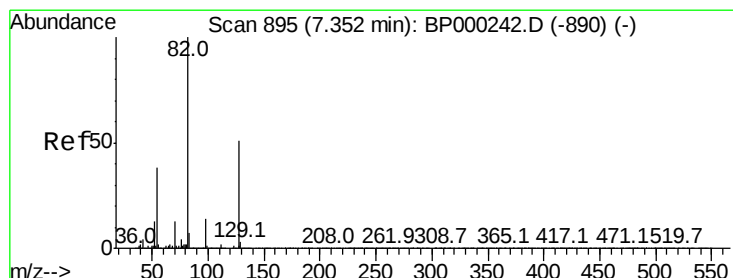
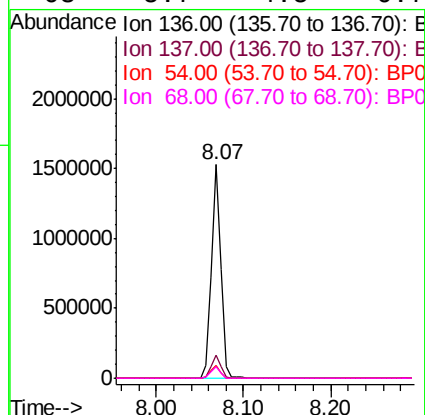
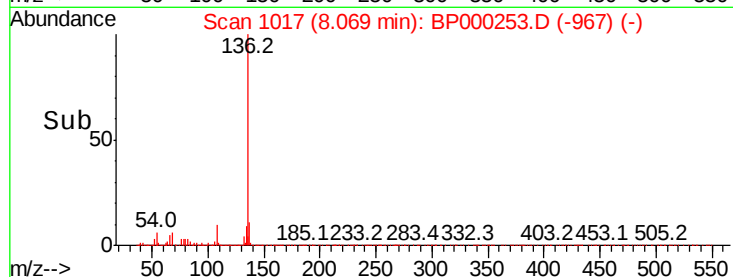
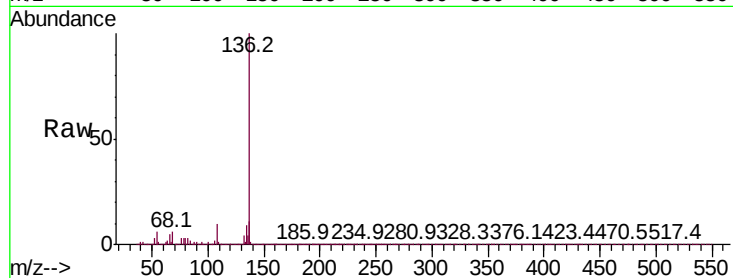




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

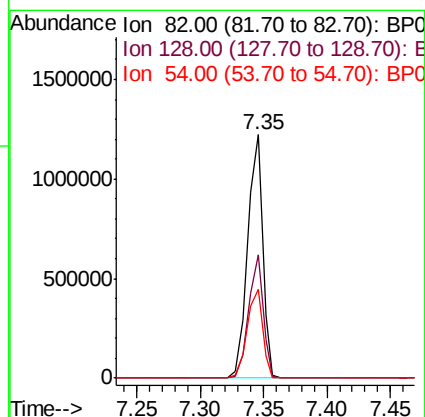
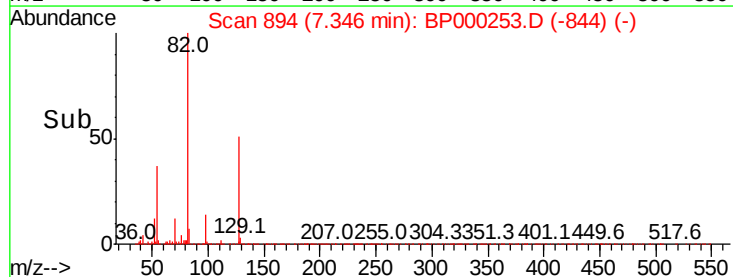
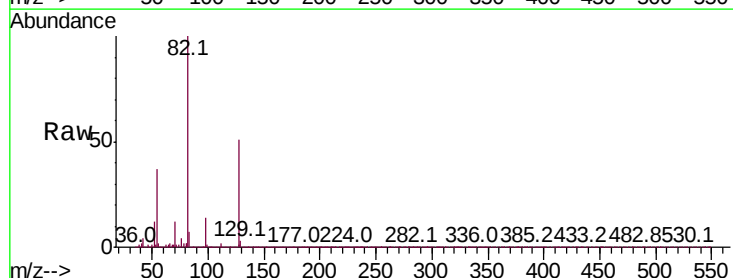
Instrument :
BNA_P
ClientSampleId :

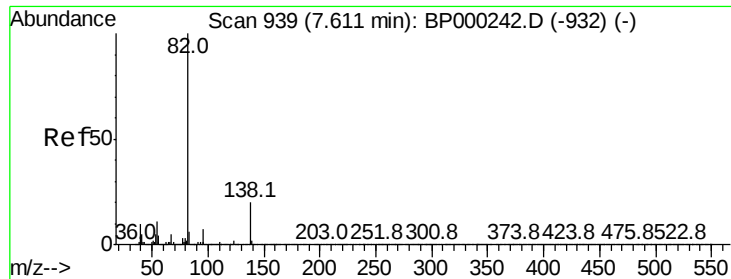
Tot Ion:136	Resp: 1148967
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 5.8	4.5 6.7
68 5.7	4.5 6.7



#23
Nitrobenzene-d5
Concen: 56.042 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion: 82	Resp: 997998
Ion Ratio	Lower Upper
82 100	
128 50.7	40.7 61.1
54 36.7	30.1 45.1





#25

Isophorone

Concen: 28.271 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Instrument :

BNA_P

ClientSampleId :

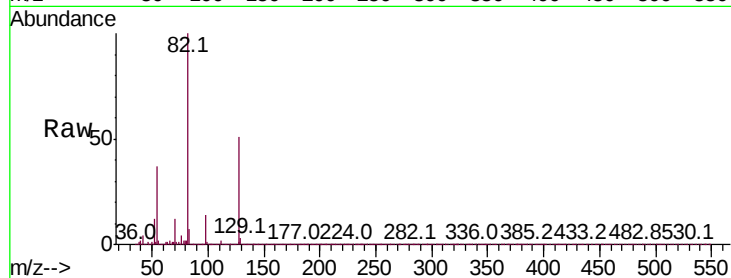
Tot Ion: 82 Resp: 996895

Ion Ratio Lower Upper

82 100

95 0.1 5.9 8.9#

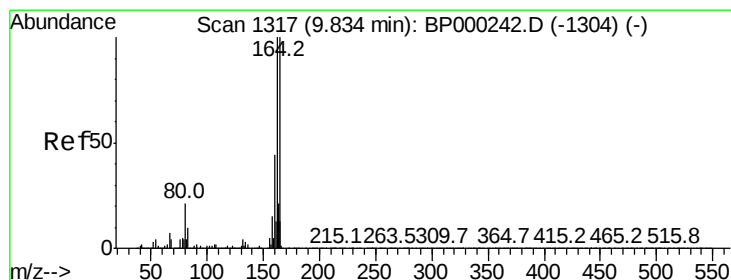
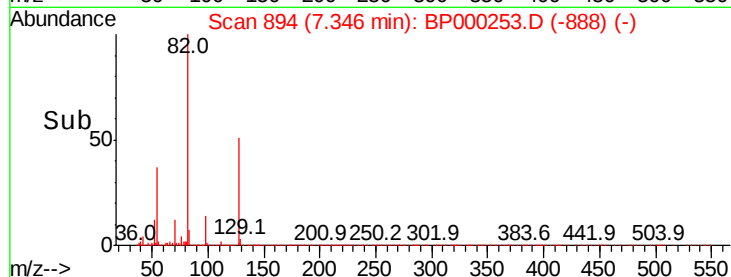
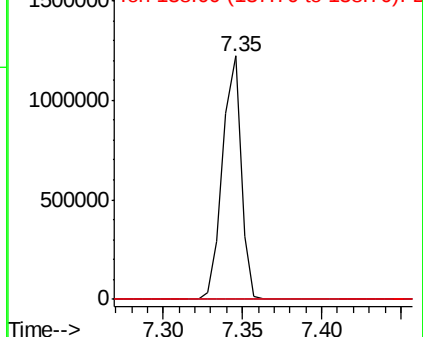
138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

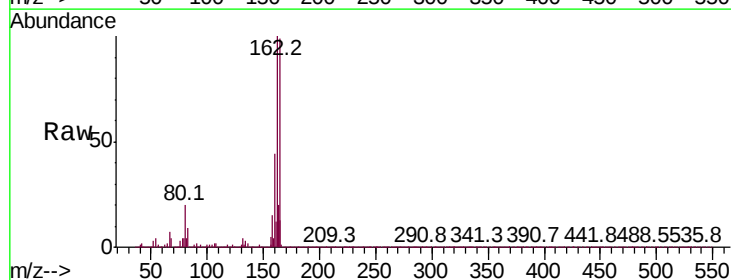
Tgt Ion: 164 Resp: 624599

Ion Ratio Lower Upper

164 100

162 100.9 79.9 119.9

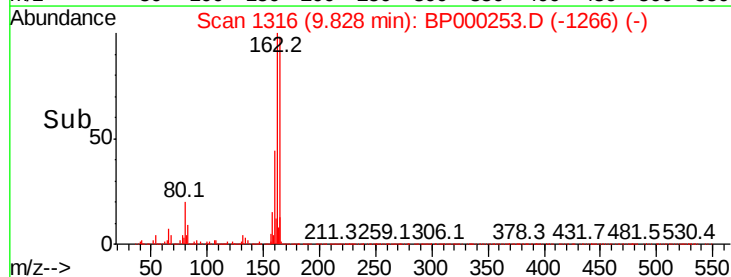
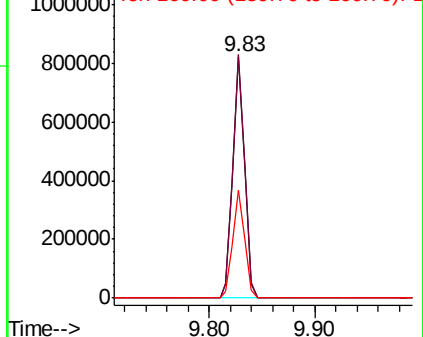
160 44.7 35.6 53.4

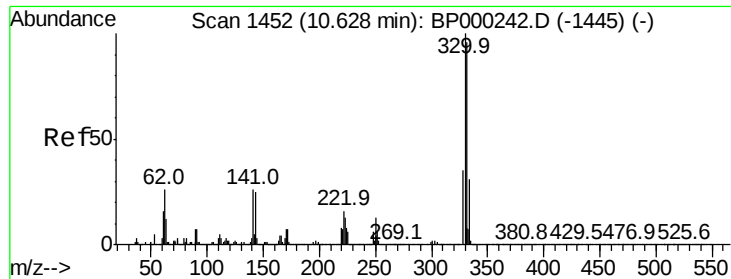


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

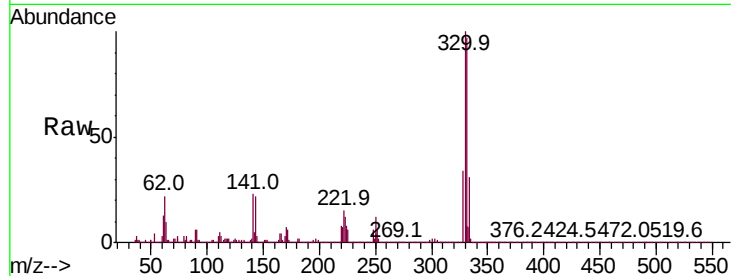




#42
 2,4,6-Tribromophenol
 Concen: 81.618 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BP000253.D
 Acq: 16 Sep 2019 22:00

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	30.9	26.5	39.7

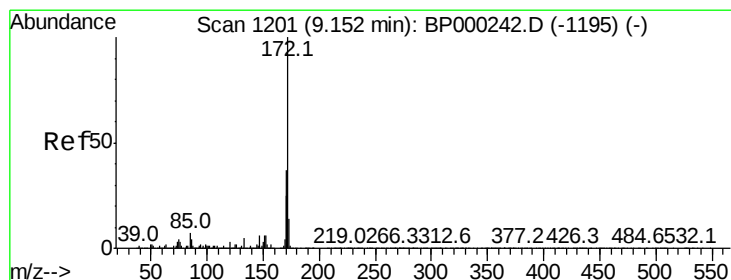
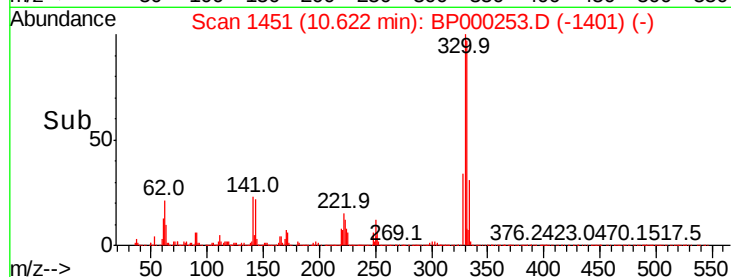
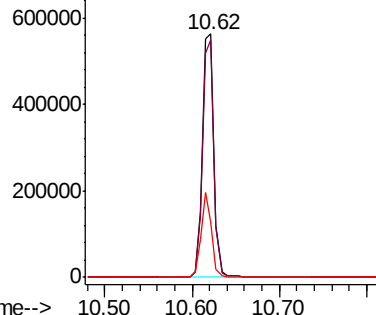


Abundance

Ion 329.80 (329.50 to 330.50): E

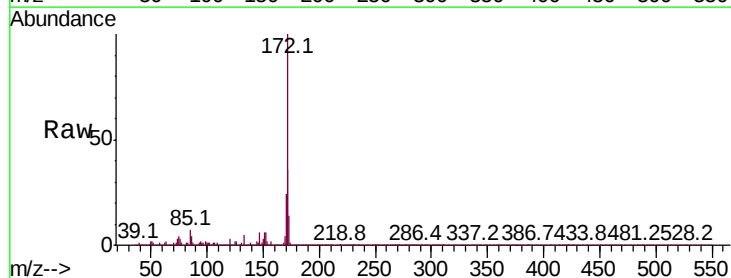
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 59.085 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BP000253.D
 Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	23.9	19.8	29.6

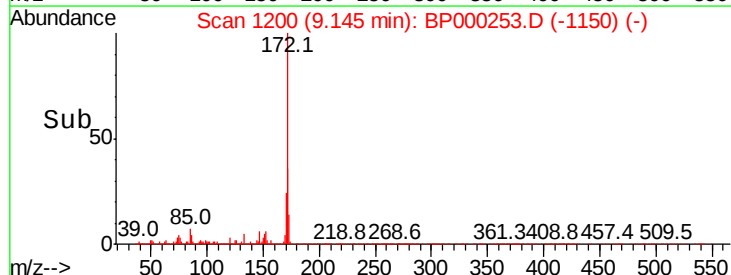
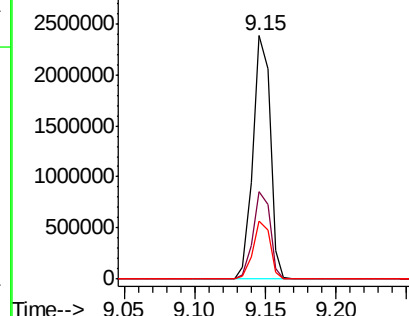


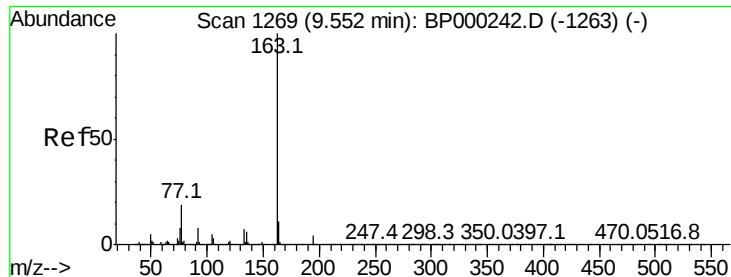
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

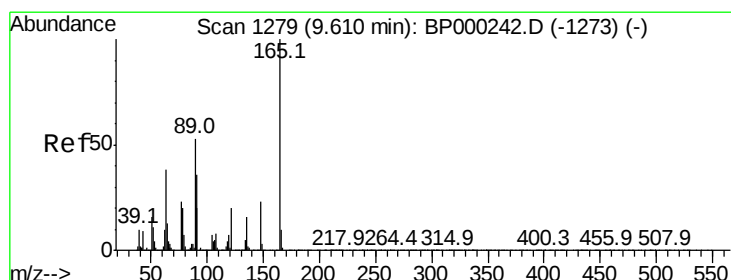
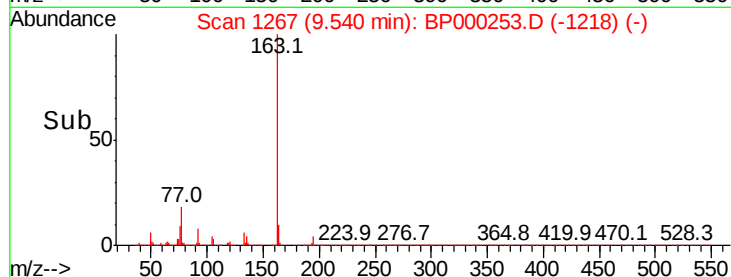
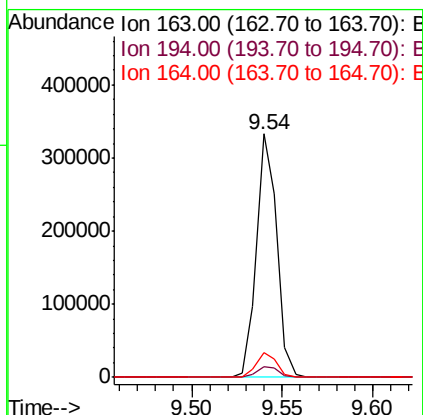
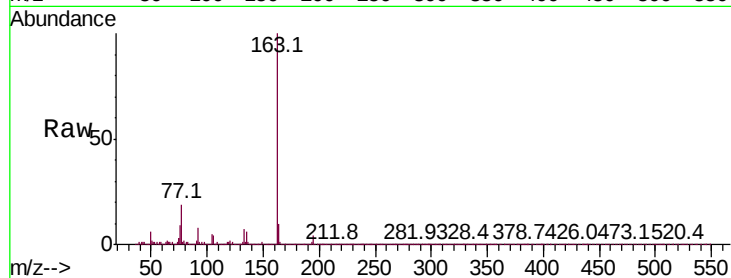




#50
Dimethylphthalate
Concen: 6.081 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

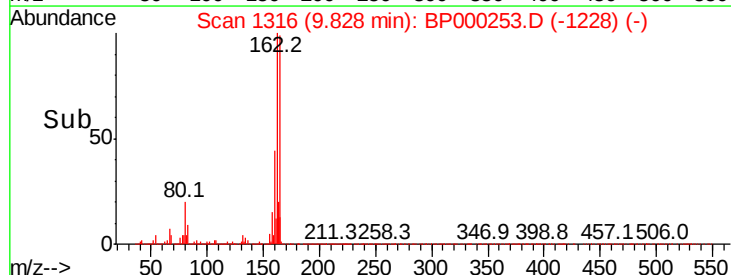
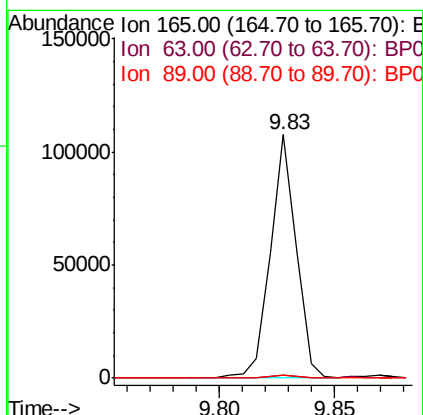
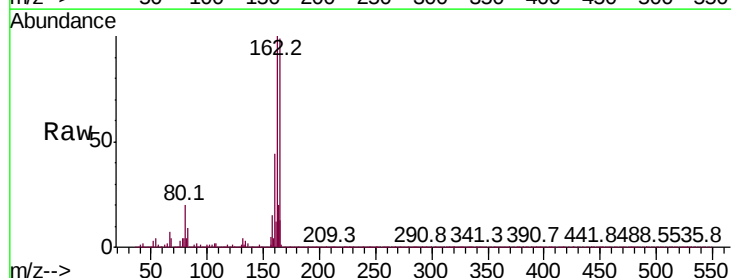
Instrument :
BNA_P
ClientSampleId :

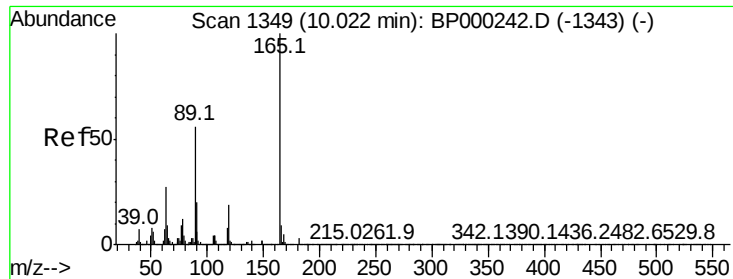
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	8.5	12.7



#51
2,6-Dinitrotoluene
Concen: 8.862 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.22 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	35.8	53.8#
89	1.2	42.6	63.8#

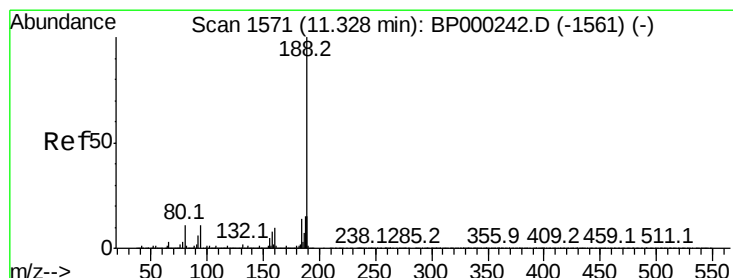
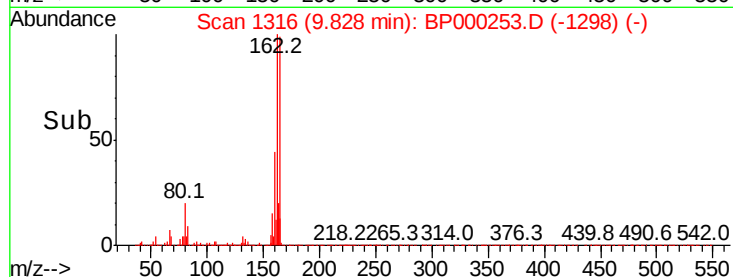
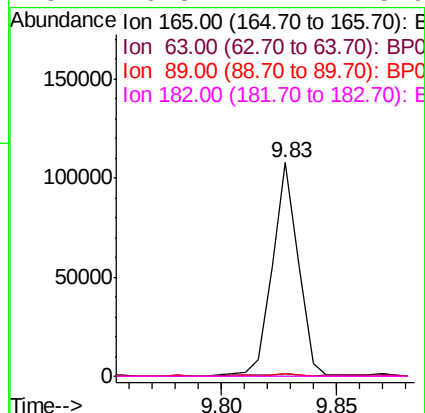
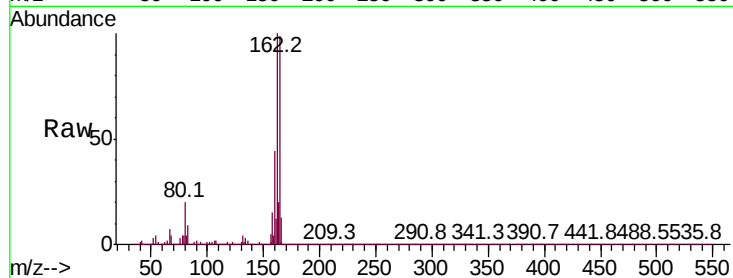




#57
 2,4-Dinitrotoluene
 Concen: 6.779 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BP000253.D
 Acq: 16 Sep 2019 22:00

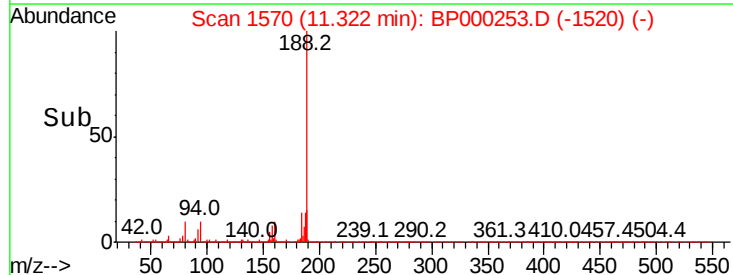
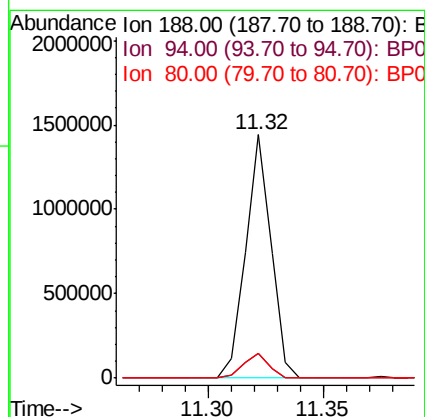
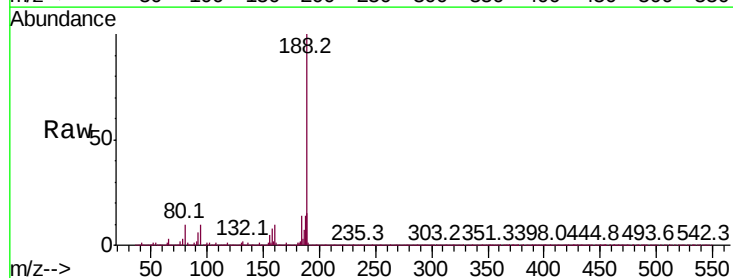
Instrument :
 BNA_P
 ClientSampleId :

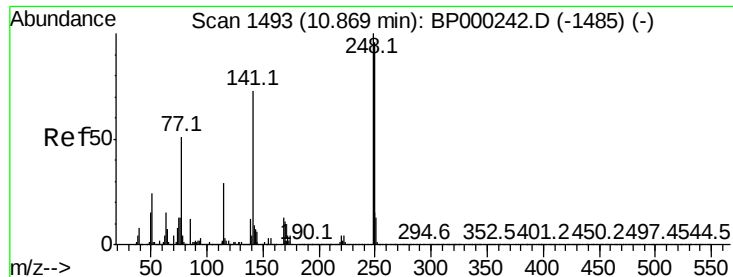
Tot Ion:165 Resp: 82922
 Ion Ratio Lower Upper
 165 100
 63 1.1 21.7 32.5#
 89 1.2 45.0 67.6#
 182 0.3 2.4 3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BP000253.D
 Acq: 16 Sep 2019 22:00

Tgt Ion:188 Resp: 1113003
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 10.2 8.6 13.0

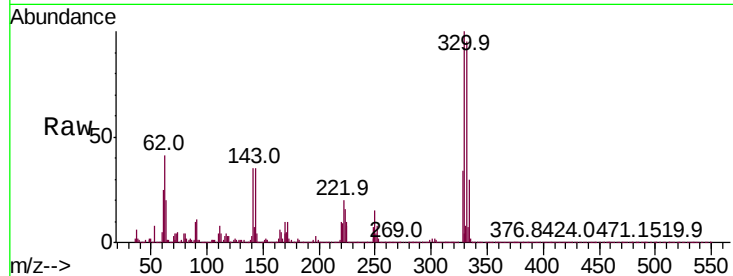




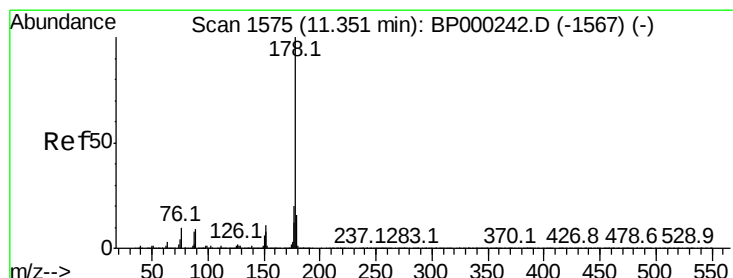
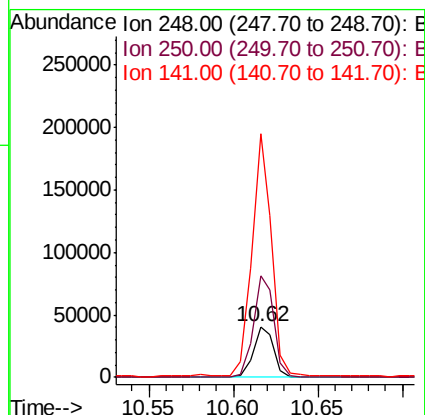
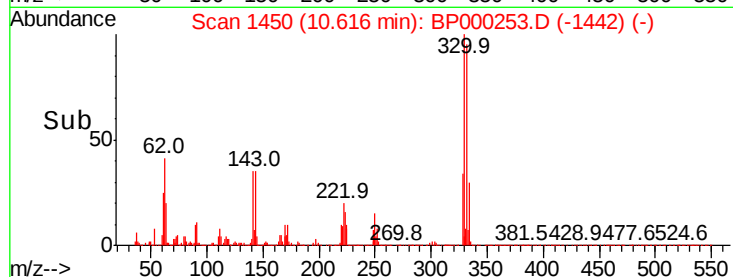
#67
4-Bromophenyl-phenylether
Concen: 2.732 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampled :

Tot Ion:248 Resp: 34390
Ion Ratio Lower Upper
248 100
250 198.4 77.0 115.4#
141 477.7 58.5 87.7#

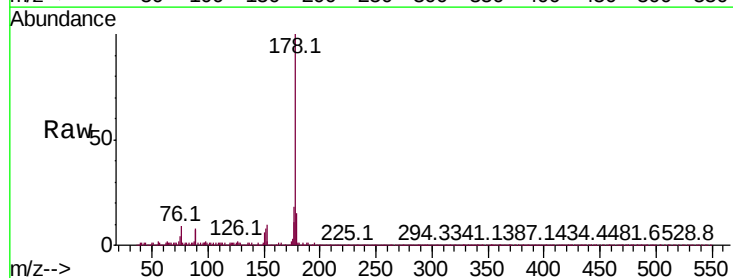


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

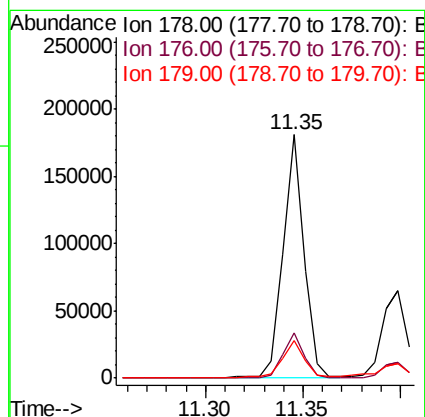
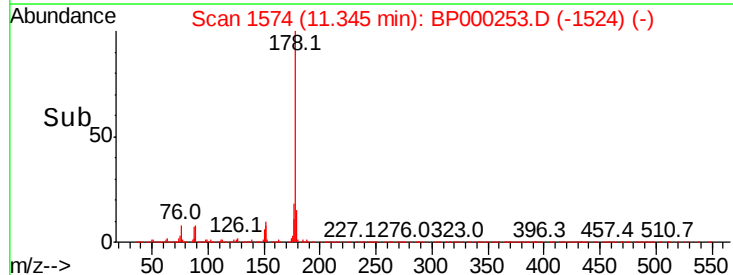


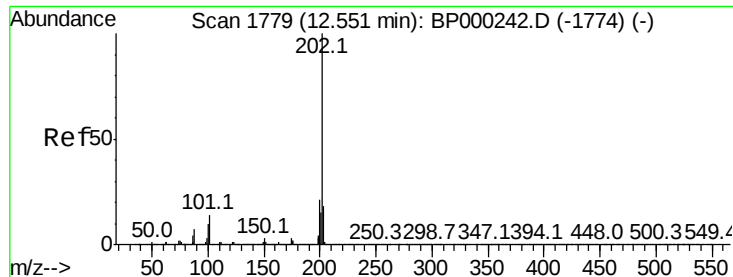
#71
Phenanthrene
Concen: 2.385 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion:178 Resp: 133026
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.4 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.295 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BP000253.D

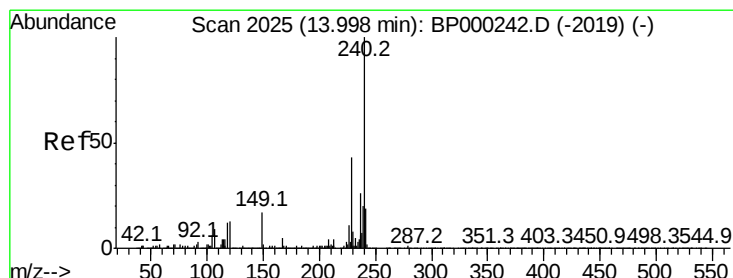
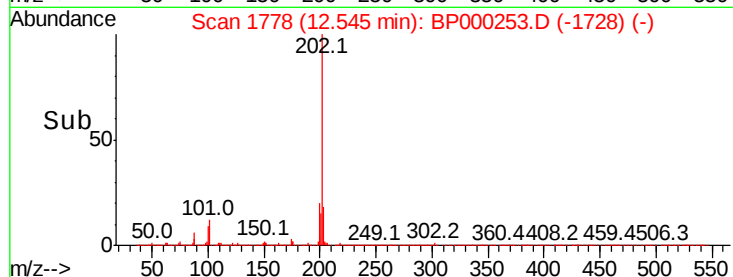
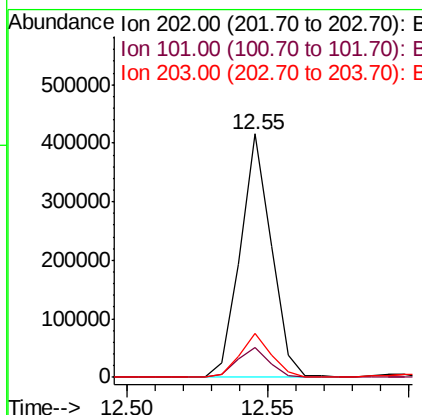
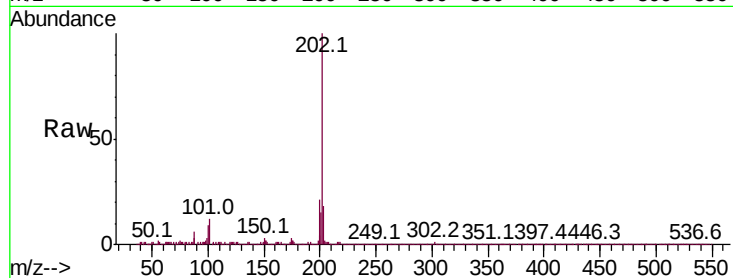
Acq: 16 Sep 2019 22:00

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	317127
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	33.9
203	17.9	0.0	38.0



#76

Chrysene-d12

Concen: 20.000 ng

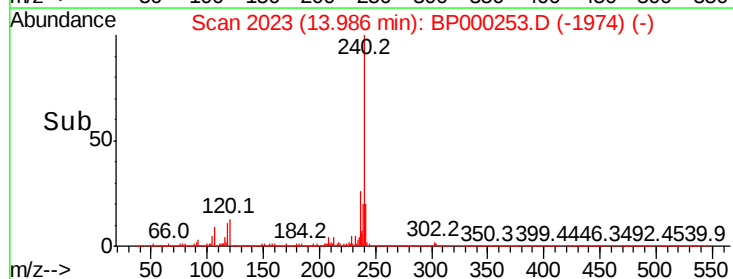
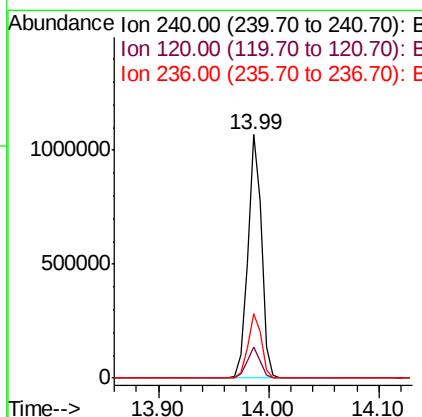
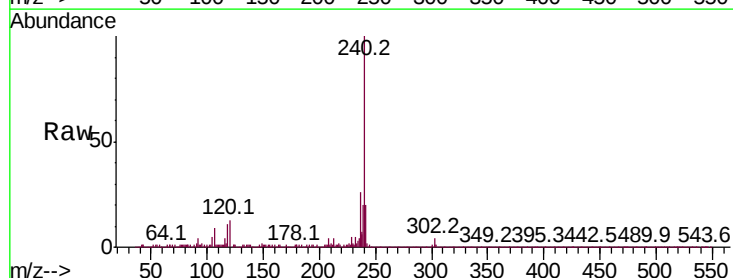
RT: 13.99 min Scan# 2023

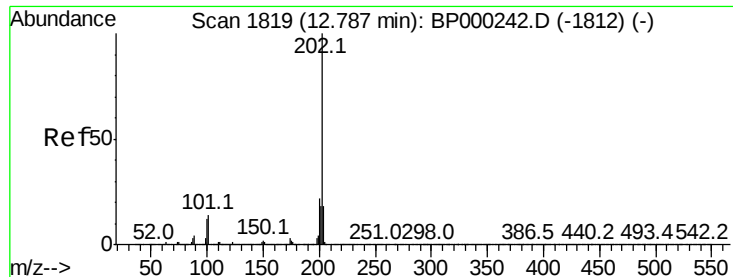
Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Tgt Ion:	240	Resp:	921529
Ion	Ratio	Lower	Upper
240	100		
120	12.8	10.4	15.6
236	26.5	21.0	31.6

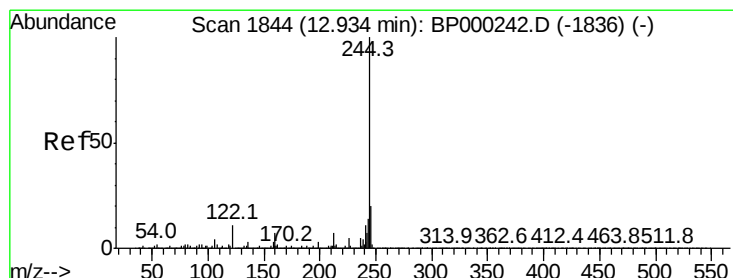
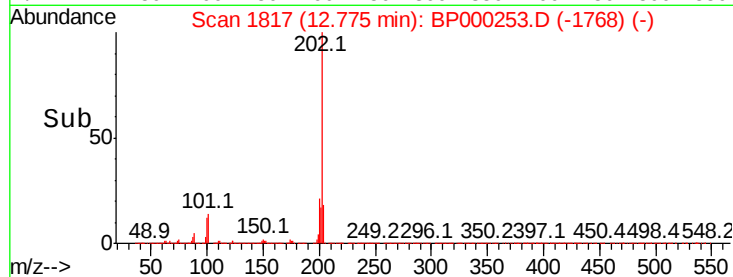
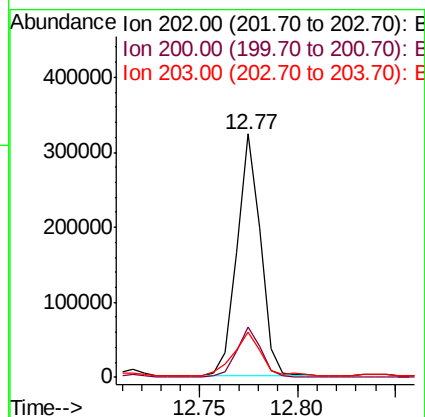
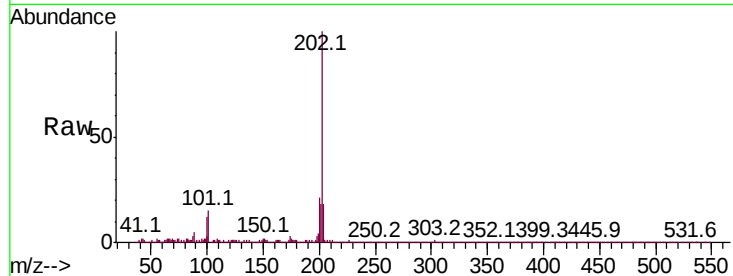




#78
Pvrene
Concen: 3.932 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

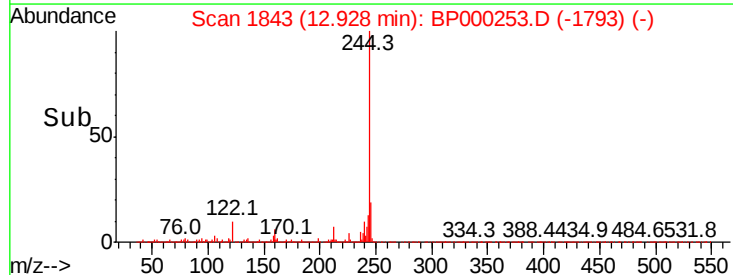
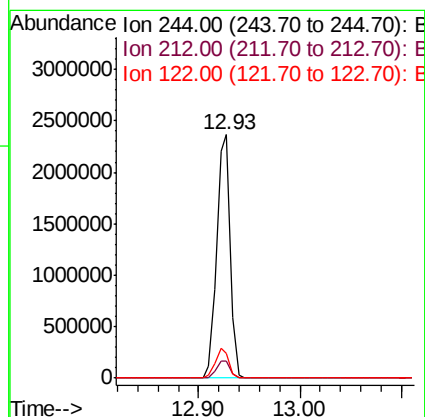
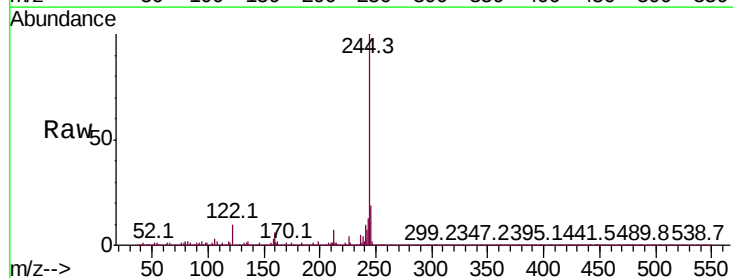
Instrument :
BNA_P
ClientSampleId :

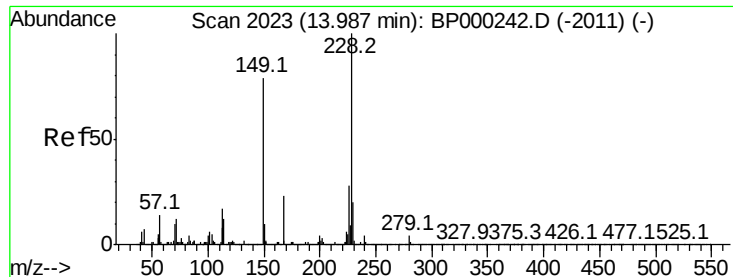
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.5	26.3
203	18.3	14.3	21.5



#79
Terphenyl-d14
Concen: 49.864 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	9.9	9.0	13.4

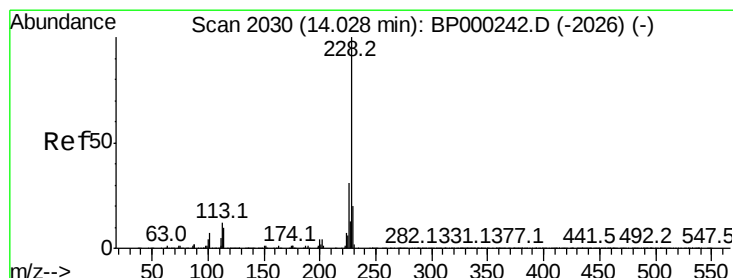
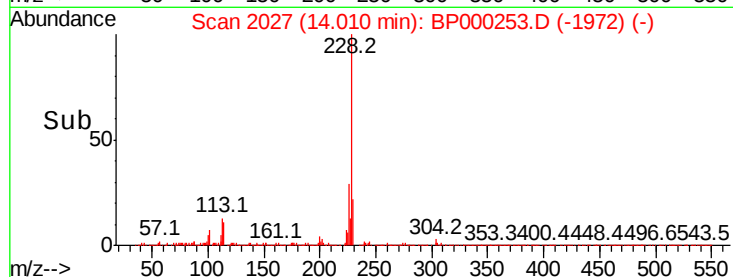
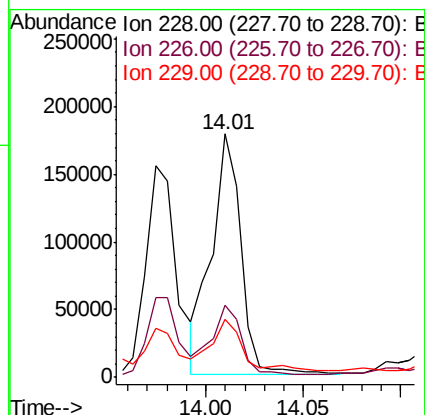
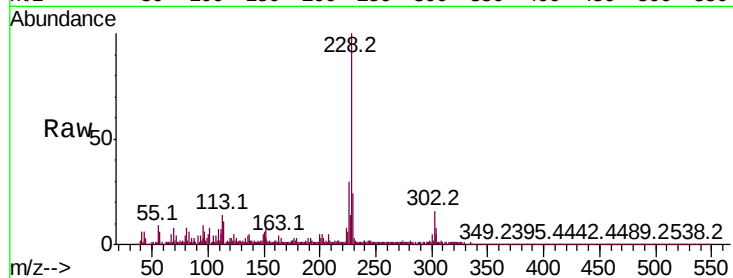




#81
Benzo(a)anthracene
Concen: 3.201 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

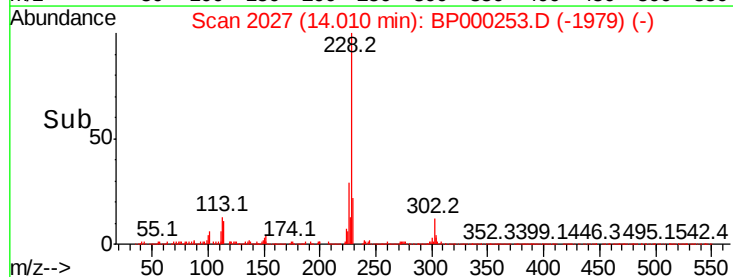
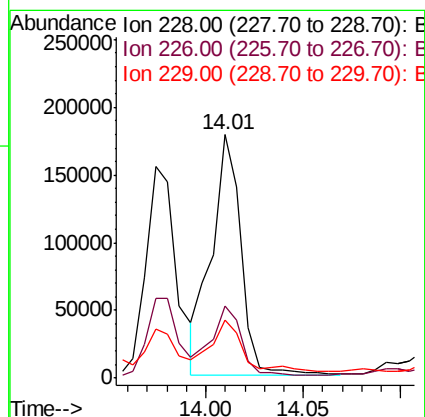
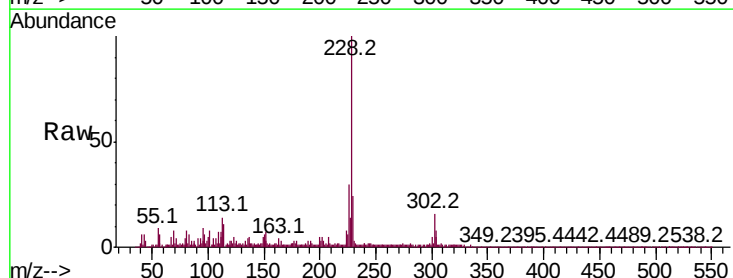
Instrument :
BNA_P
ClientSampleId :

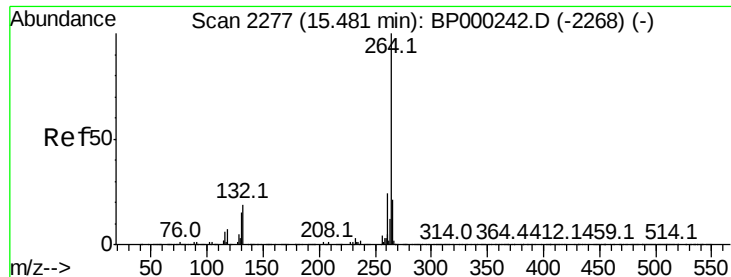
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.2	33.4
229	23.7	16.0	24.0



#83
Chrysene
Concen: 3.261 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	23.7	16.2	24.2



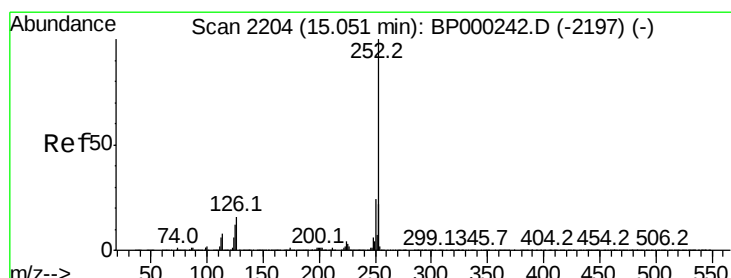
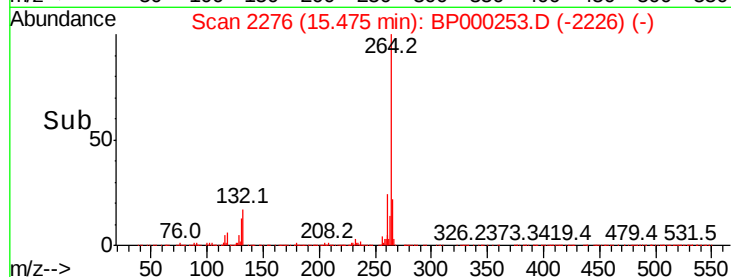
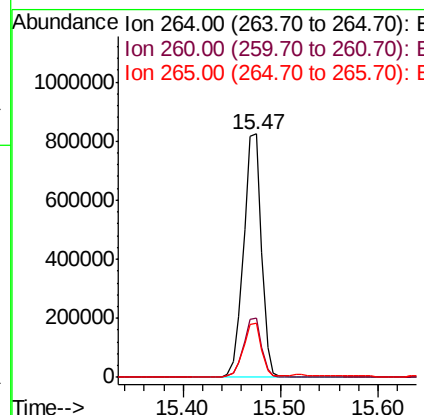
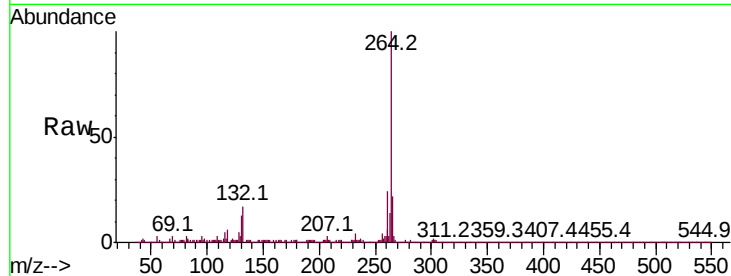


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampleId :

Tot Ion:264 Resp: 1042988

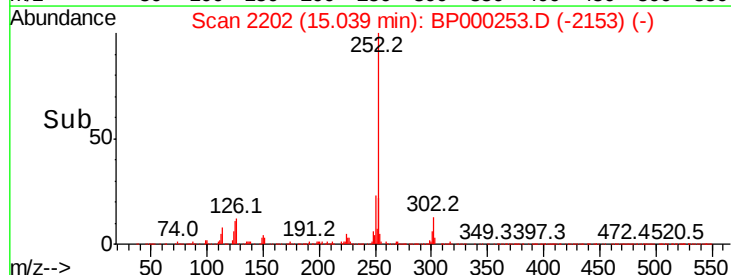
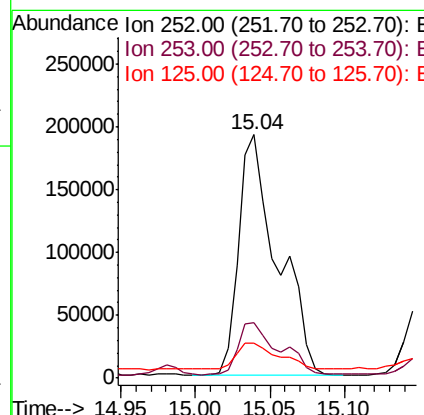
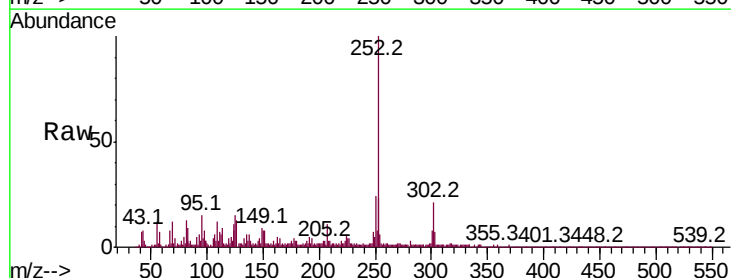
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.9	28.3
265	22.1	17.2	25.8

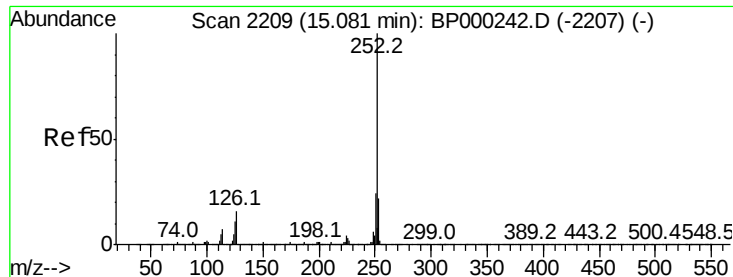


#88
Benzo(b)fluoranthene
Concen: 5.619 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion:252 Resp: 349607

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	14.6	9.5	14.3

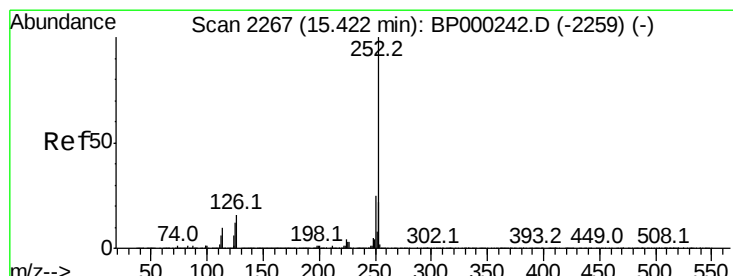
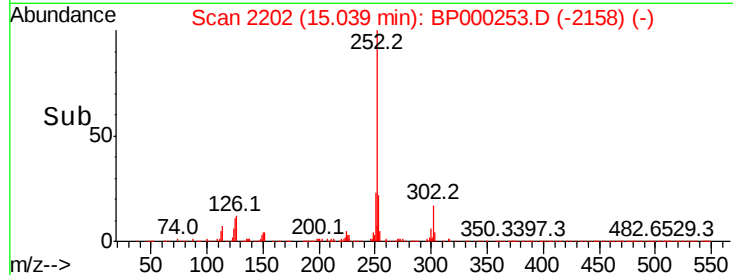
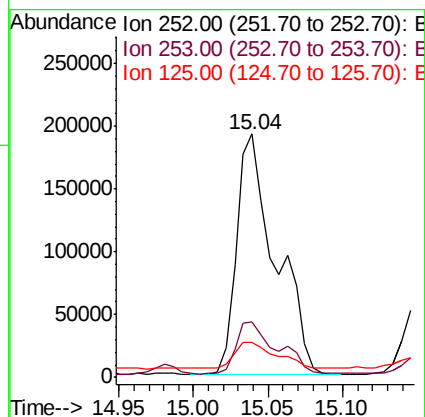
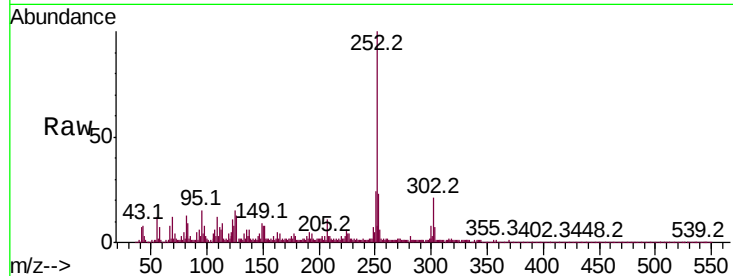




#89
Benzo(k)fluoranthene
Concen: 6.441 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

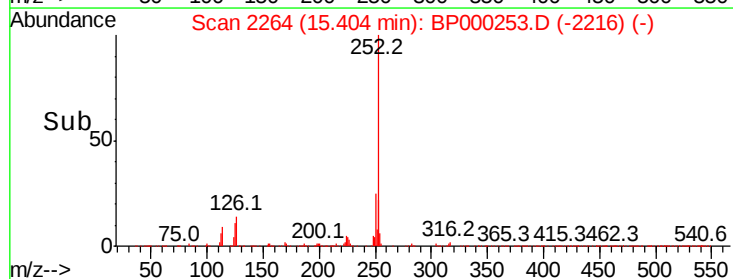
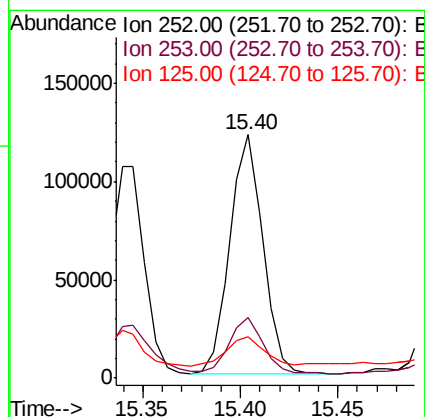
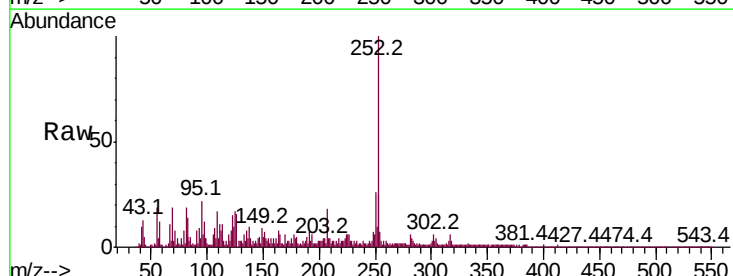
Instrument :
BNA_P
ClientSampled :

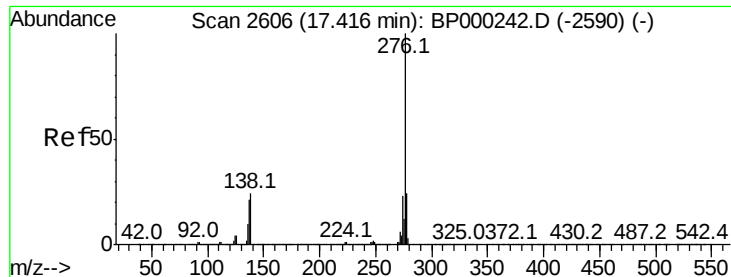
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	14.6	9.6	14.4



#90
Benzo(a)pyrene
Concen: 2.525 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	16.8	10.0	15.0

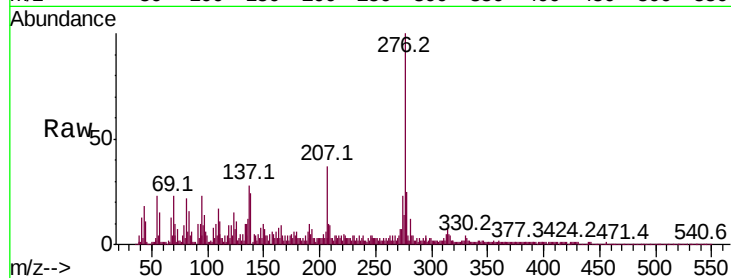




#92
 Benzo(a,h,i)perylene
 Concen: 2.060 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.03 min
 Lab File: BP000253.D
 Acq: 16 Sep 2019 22:00

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.1	28.7
138	24.0	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

