

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP101419\
 Data File : BP000708.D
 Acq On : 14 Oct 2019 14:17
 Operator : JU
 Sample : K5348-04RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 15 04:13:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

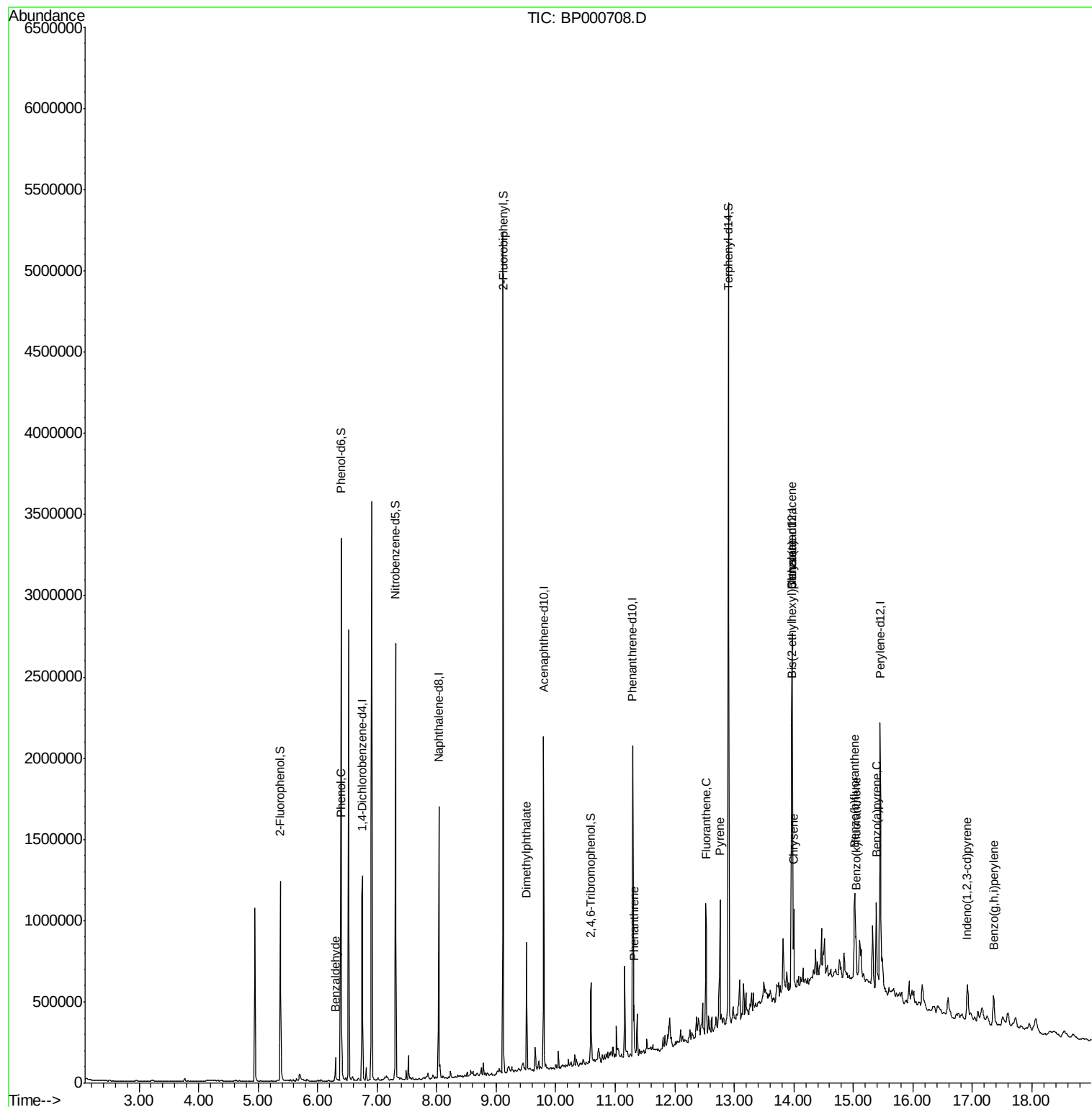
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	202604	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	726786	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	396463	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	733607	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	640418	20.00	ng	-0.01
87) Perylene-d12	15.45	264	750249	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	400414	31.77	ng	-0.02
7) Phenol-d6	6.39	99	1274498	83.91	ng	-0.02
23) Nitrobenzene-d5	7.31	82	791156	66.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	64377	15.24	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1489667	60.79	ng	-0.02
79) Terphenyl-d14	12.90	244	1681185	53.15	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.30	77	32955	4.165	ng	Qvalue 98
10) Phenol	6.40	94	69034	4.439	ng	92
50) Dimethylphthalate	9.51	163	273550	9.930	ng	100
71) Phenanthrene	11.32	178	89579	2.431	ng	98
75) Fluoranthene	12.52	202	313642	7.580	ng	98
78) Pyrene	12.76	202	340529	7.710	ng	99
81) Benzo(a)anthracene	13.96	228	200976	5.143	ng	# 75
83) Chrysene	14.00	228	207637	5.414	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	130801	5.403	ng	97
86) Indeno(1,2,3-cd)pyrene	16.92	276	143629	2.998	ng	95
88) Benzo(b)fluoranthene	15.02	252	293031m	6.885	ng	
89) Benzo(k)fluoranthene	15.05	252	82149m	2.027	ng	
90) Benzo(a)pyrene	15.39	252	236471	5.960	ng	# 95
92) Benzo(a,h,i)perylene	17.36	276	155088	3.966	ng	99

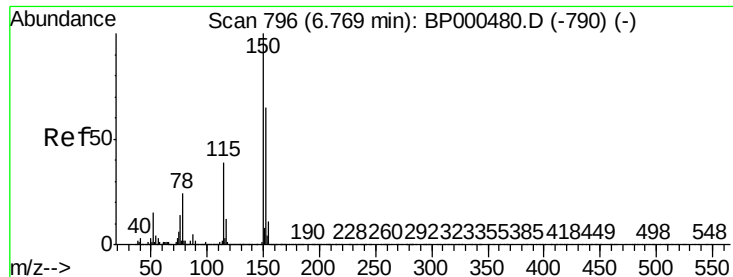
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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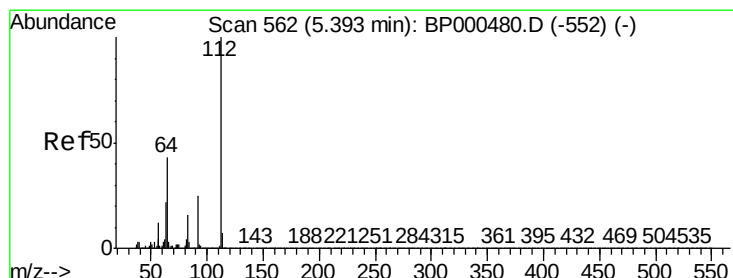
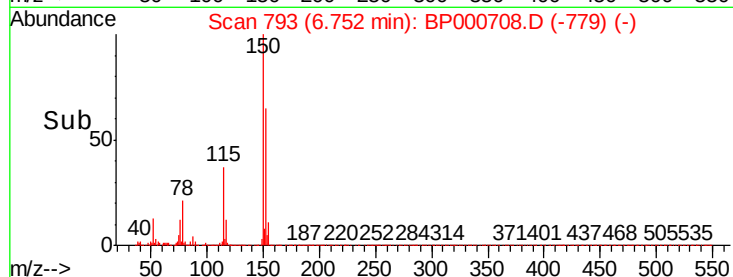
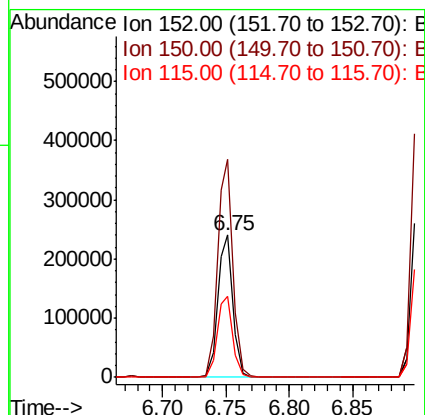
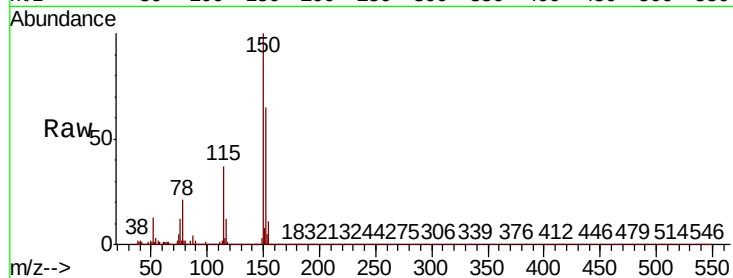


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :

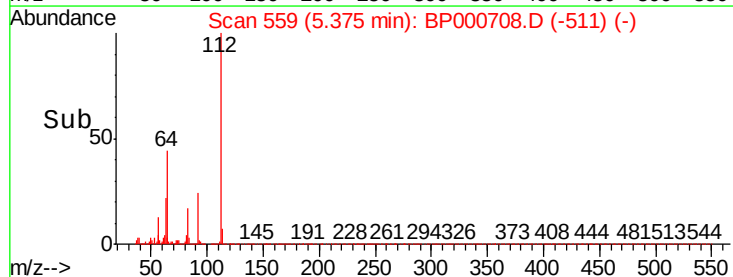
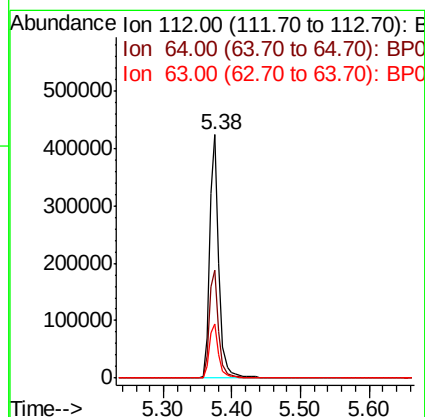
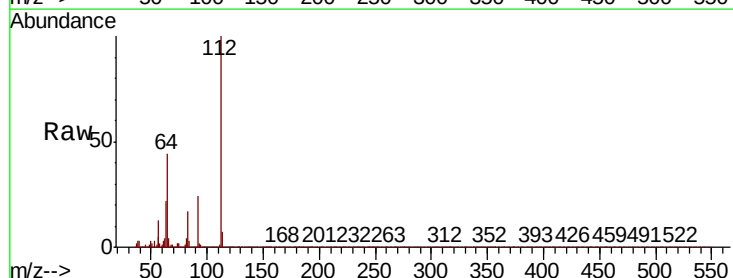
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.1	186.1
115	56.7	48.7	73.1

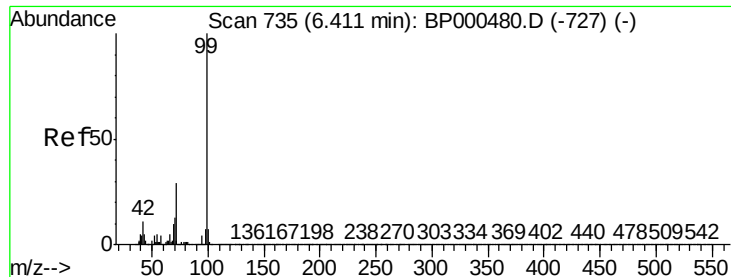


#5

2-Fluorophenol
Concen: 31.769 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.5	34.2	51.4
63	22.5	17.9	26.9





#7

Phenol-d6

Concen: 83.912 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

Instrument :

BNA_P

ClientSampleId :

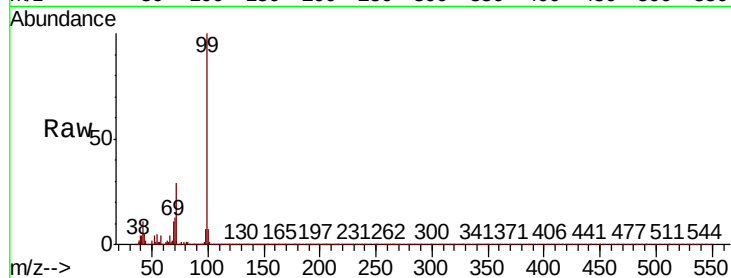
Tot Ion: 99 Resp: 1274498

Ion Ratio Lower Upper

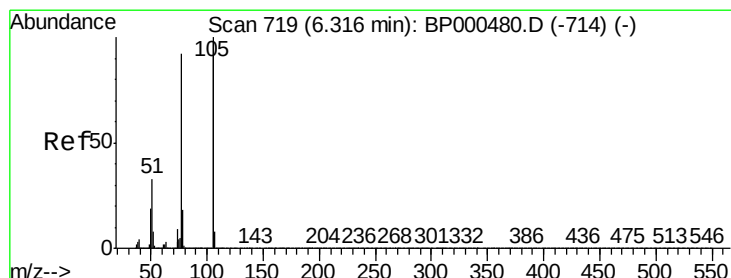
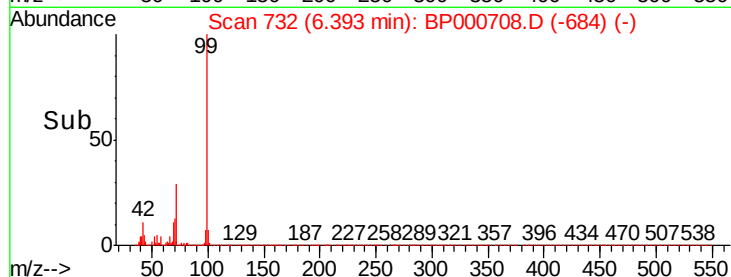
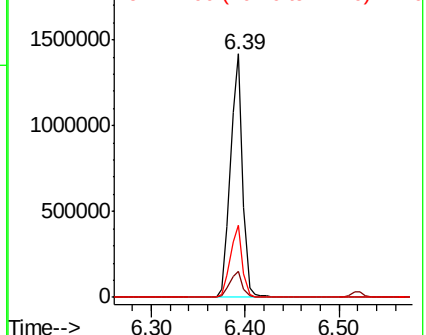
99 100

42 10.9 8.6 12.8

71 29.5 23.0 34.4



Abundance Ion 99.00 (98.70 to 99.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: 4.165 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

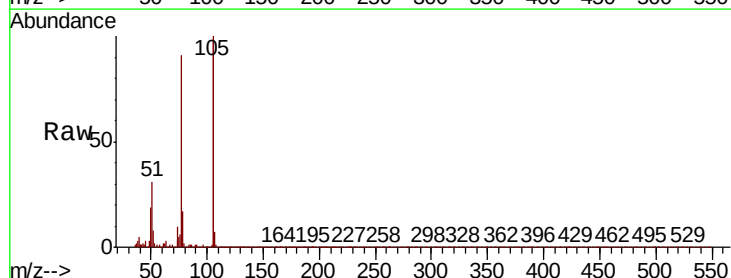
Tgt Ion: 77 Resp: 32955

Ion Ratio Lower Upper

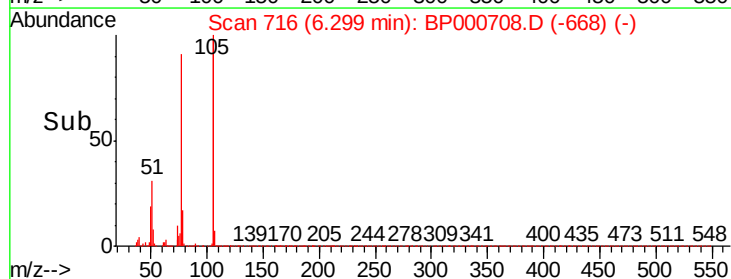
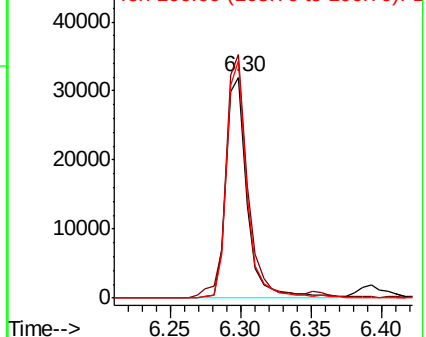
77 100

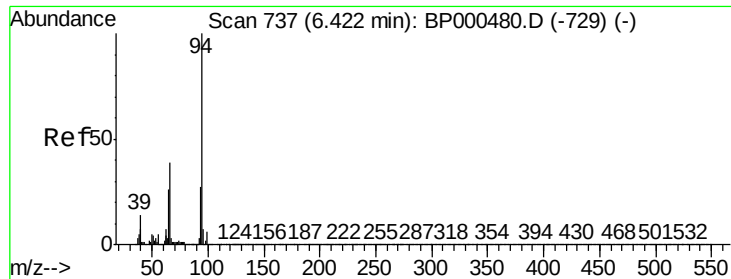
105 110.3 88.3 128.3

106 107.6 85.7 125.7



Abundance Ion 77.00 (76.70 to 77.70): BP0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.439 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

Instrument :

BNA_P

ClientSampleId :

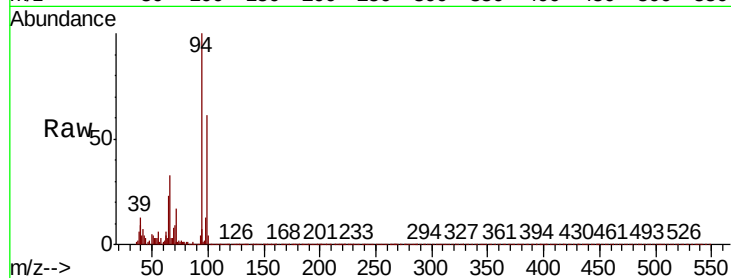
Tot Ion: 94 Resp: 69034

Ion Ratio Lower Upper

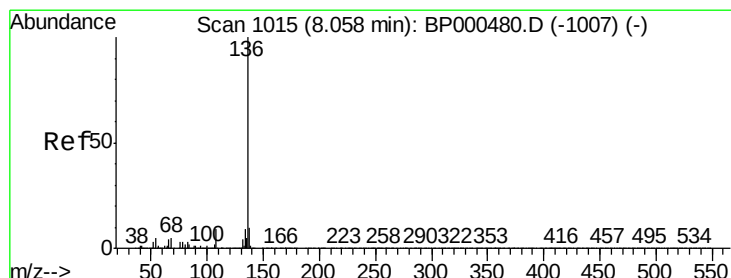
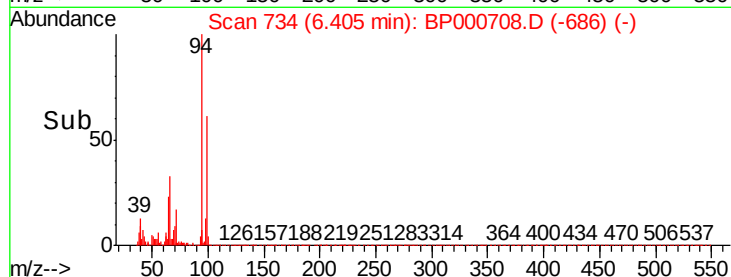
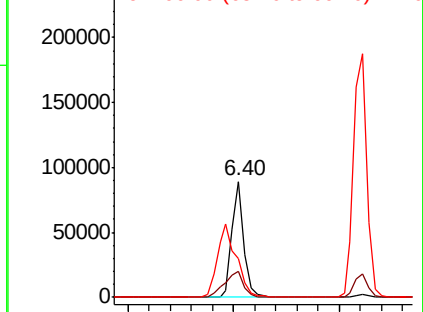
94 100

65 22.9 5.9 45.9

66 33.1 18.8 58.8



Abundance Ion 94.00 (93.70 to 94.70): BP0
Ion 65.00 (64.70 to 65.70): BP0
Ion 66.00 (65.70 to 66.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

Tgt Ion: 136 Resp: 726786

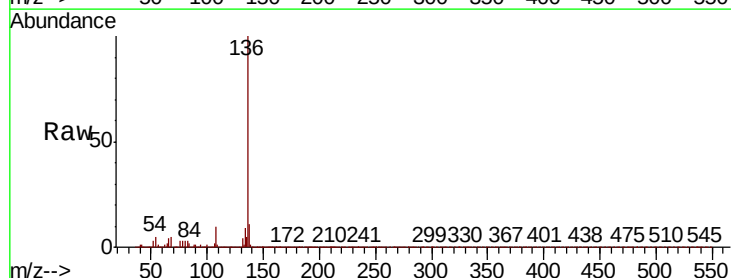
Ion Ratio Lower Upper

136 100

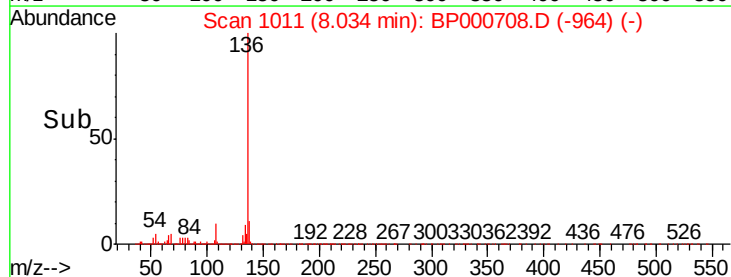
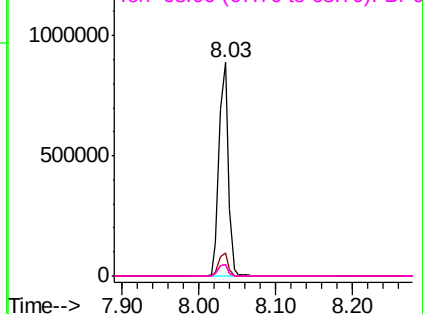
137 10.9 8.2 12.4

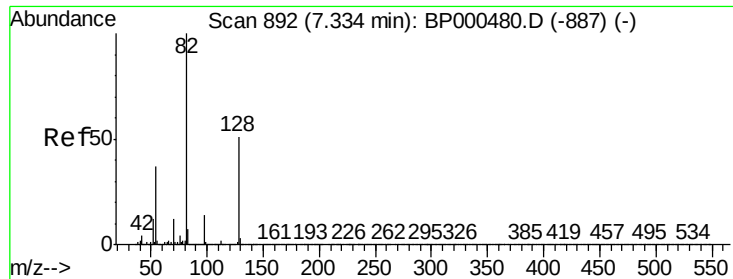
54 5.2 4.1 6.1

68 5.3 4.1 6.1



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

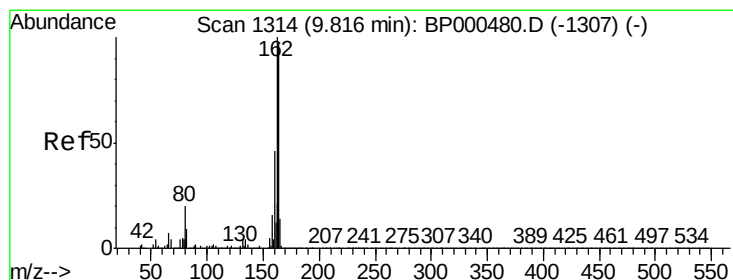
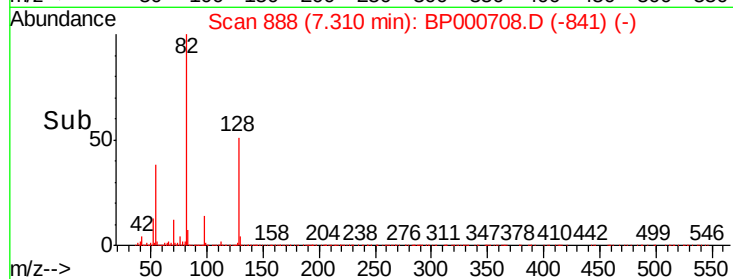
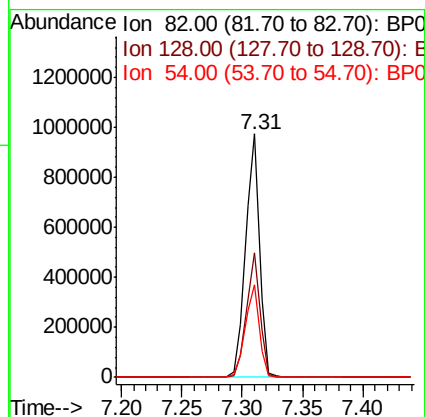
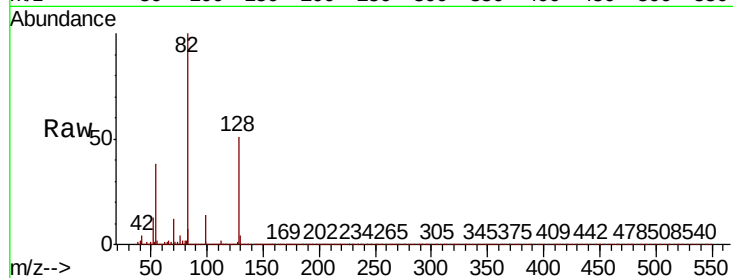




#23
Nitrobenzene-d5
Concen: 66.485 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

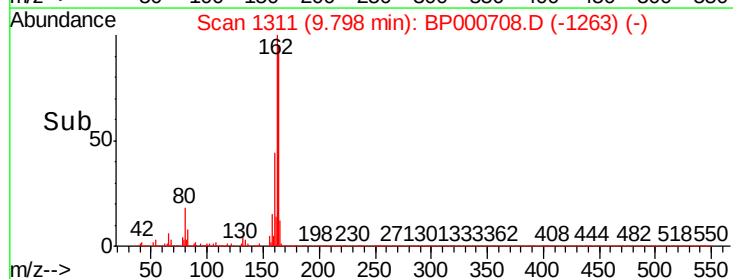
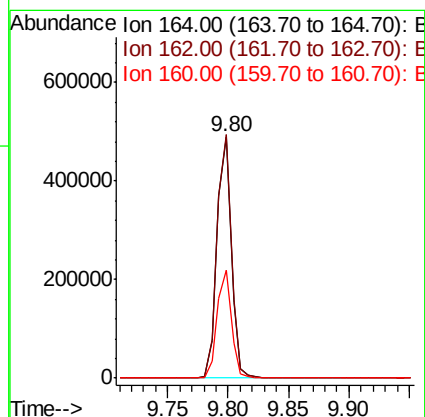
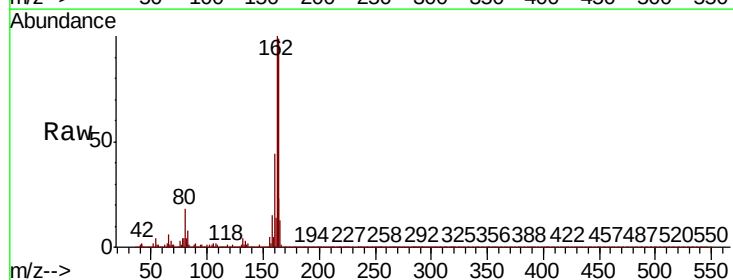
Instrument :
BNA_P
ClientSampleId :

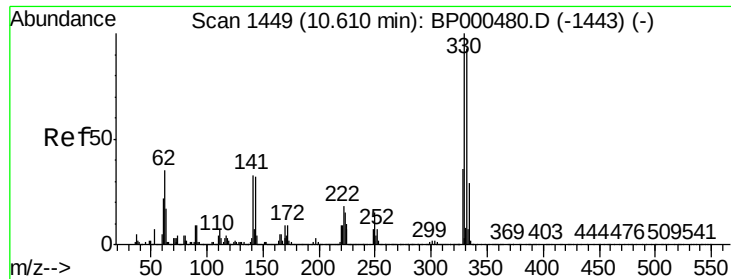
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.4	40.9	61.3
54	37.8	29.4	44.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	44.5	37.6	56.4

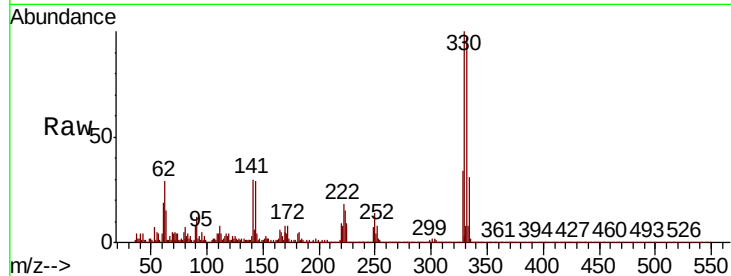




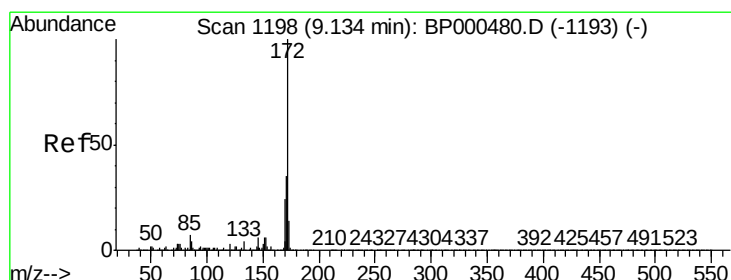
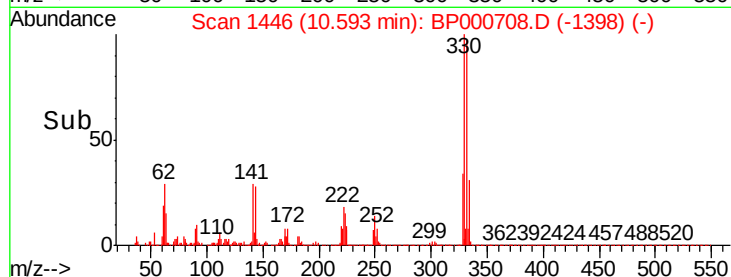
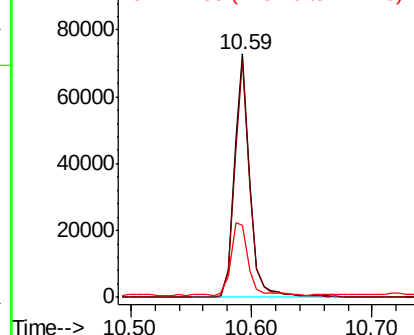
#42
2,4,6-Tribromophenol
Concen: 15.238 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampled :

Tot Ion:330 Resp: 64377
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 33.8 26.0 39.0

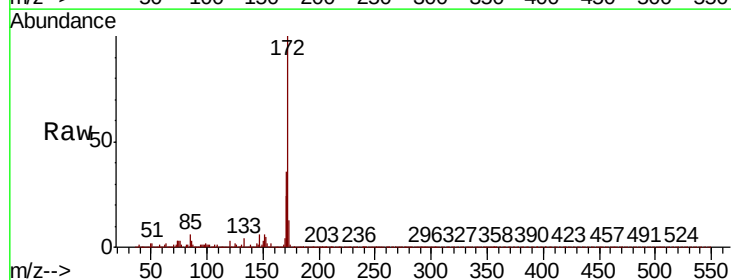


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

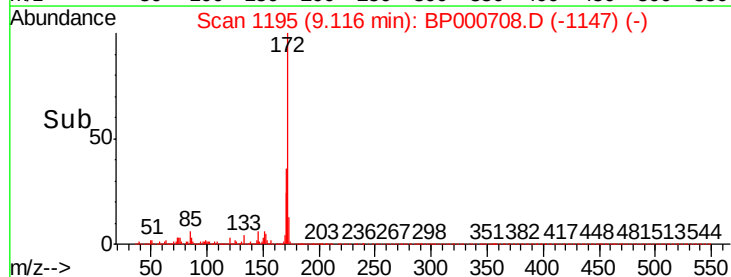
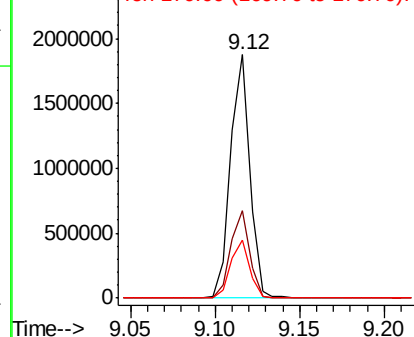


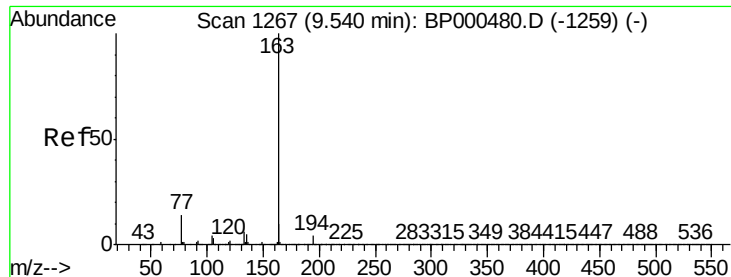
#45
2-Fluorobiphenyl
Concen: 60.794 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion:172 Resp: 1489667
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 23.9 19.1 28.7



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

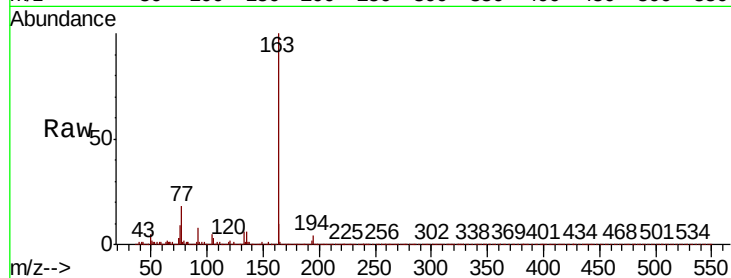




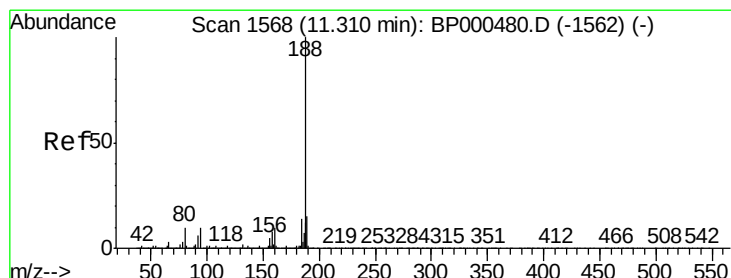
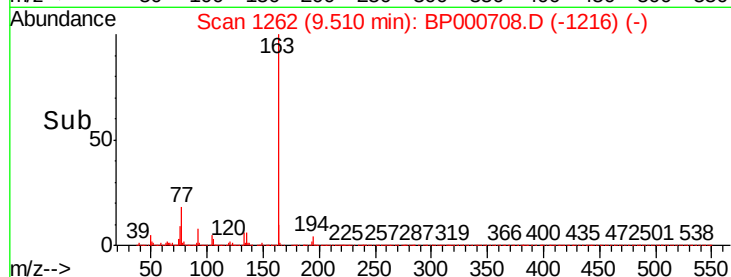
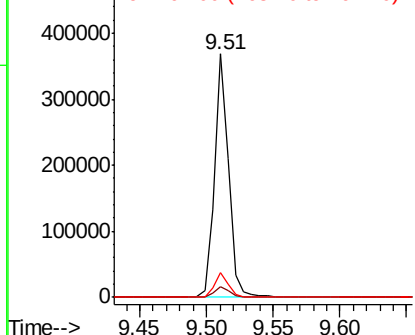
#50
Dimethylphthalate
Concen: 9.930 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :

Tot Ion:163 Resp: 273550
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.1 8.0 12.0

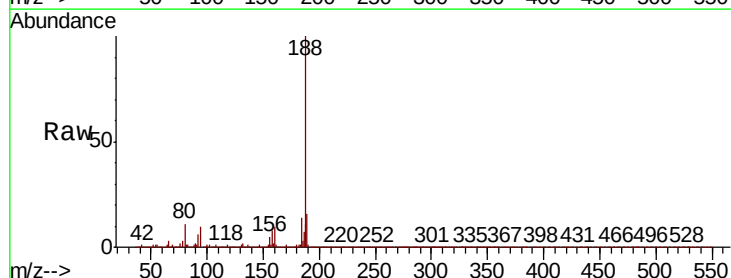


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

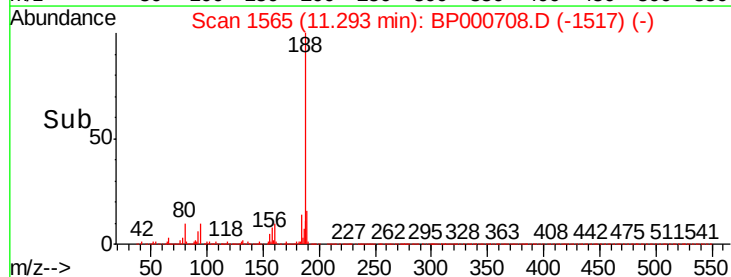
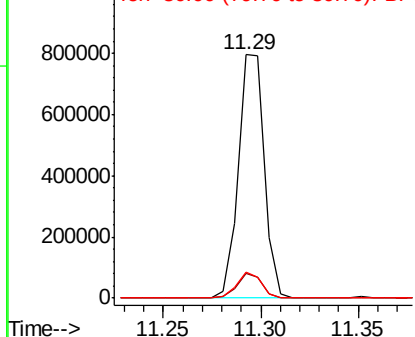


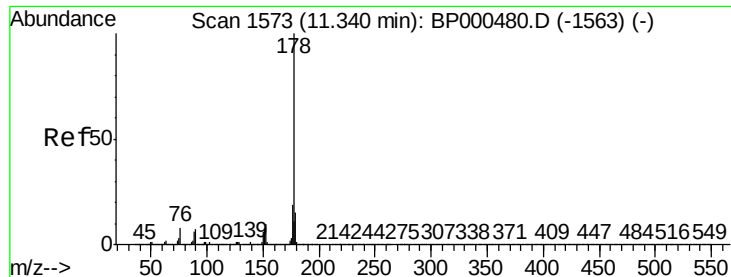
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion:188 Resp: 733607
Ion Ratio Lower Upper
188 100
94 10.4 8.2 12.2
80 10.6 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BP0
Ion 80.00 (79.70 to 80.70): BP0

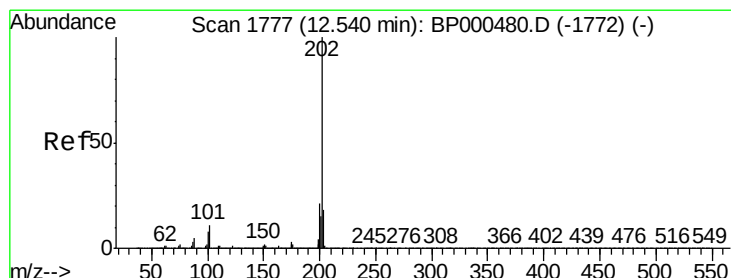
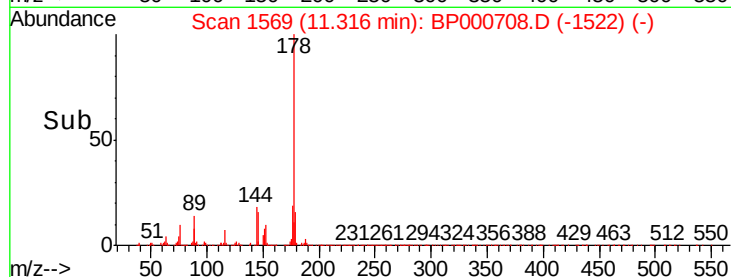
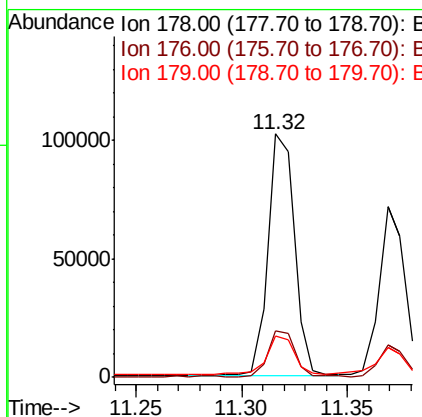
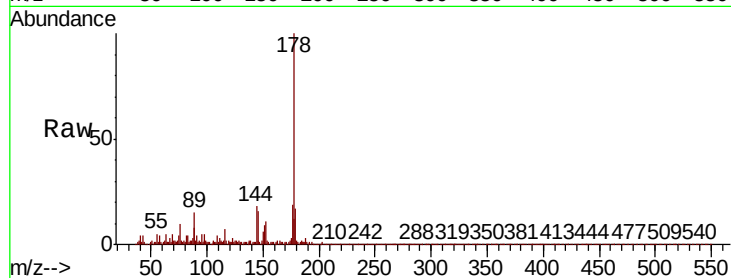




#71
Phenanthrene
Concen: 2.431 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

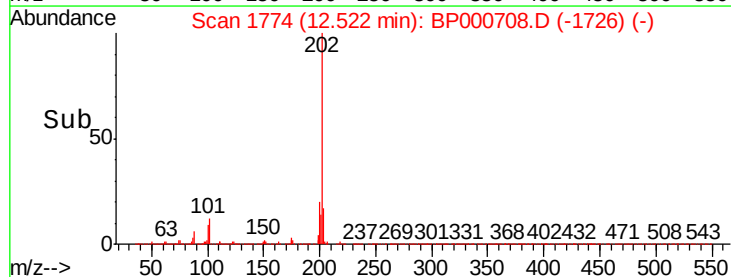
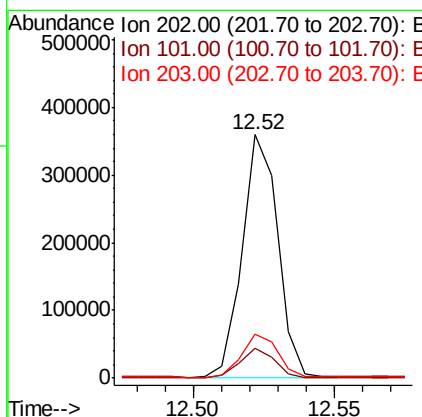
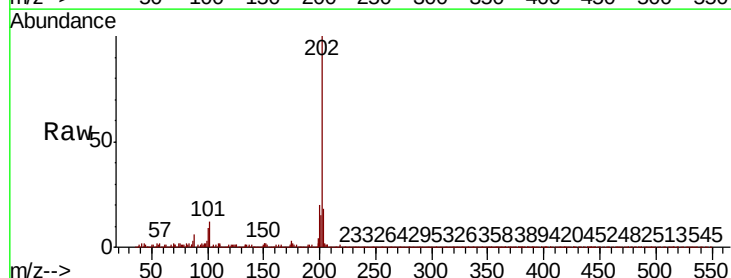
Instrument :
BNA_P
ClientSampled :

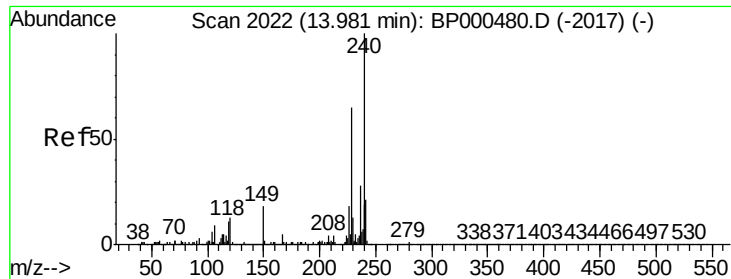
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.9	12.2	18.4



#75
Fluoranthene
Concen: 7.580 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.3
203	17.8	0.0	38.1

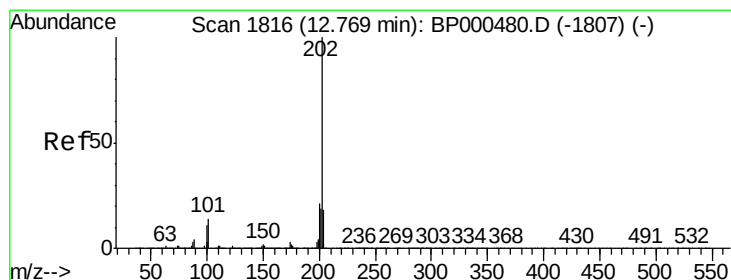
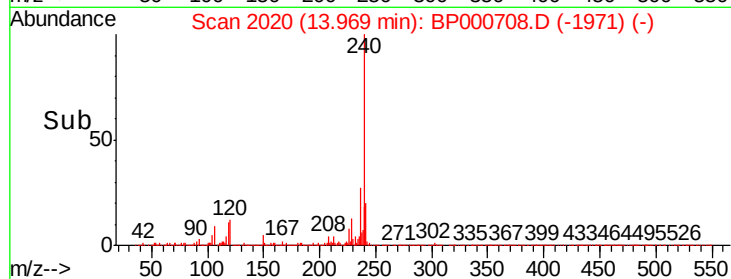
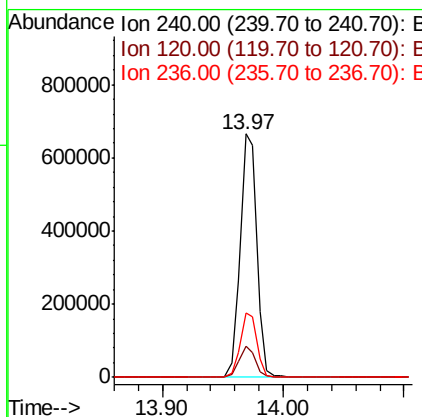
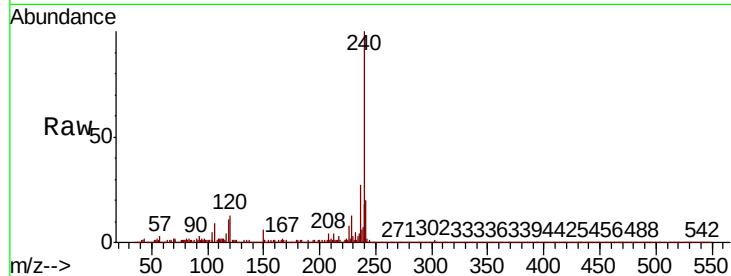




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

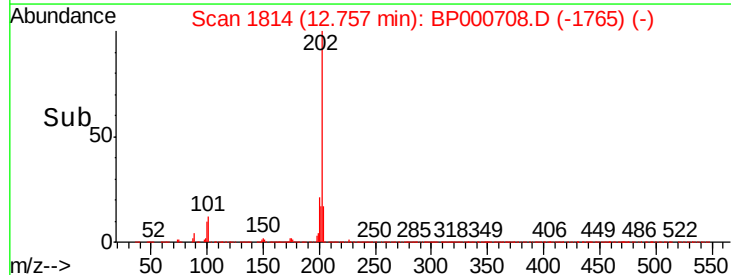
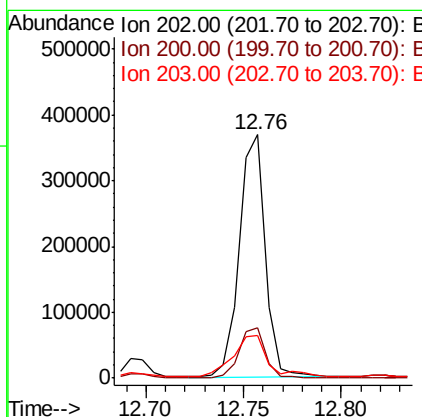
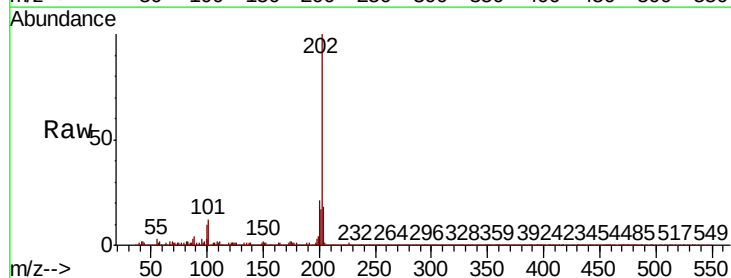
Instrument :
BNA_P
ClientSampleId :

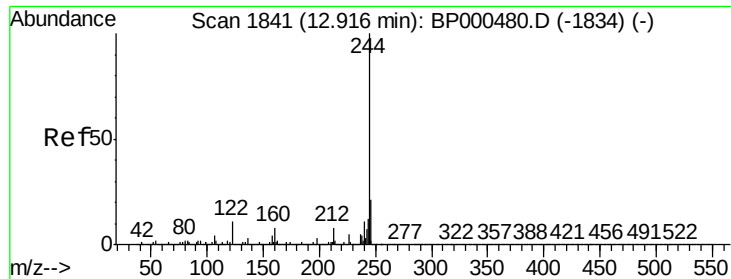
Tot Ion:240 Resp: 640418
Ion Ratio Lower Upper
240 100
120 12.6 10.1 15.1
236 26.7 22.7 34.1



#78
Pyrene
Concen: 7.710 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion:202 Resp: 340529
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.6 14.6 21.8





#79

Terphenyl-d14

Concen: 53.152 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

Instrument :

BNA_P

ClientSampled :

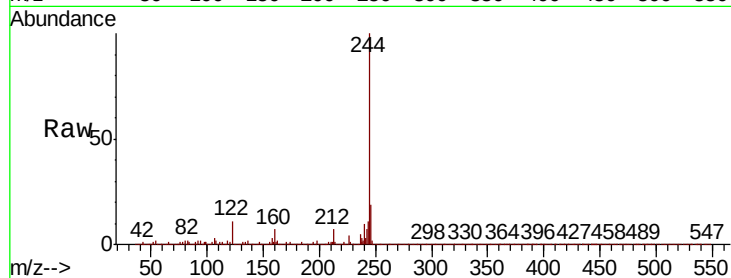
Tot Ion:244 Resp: 1681185

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

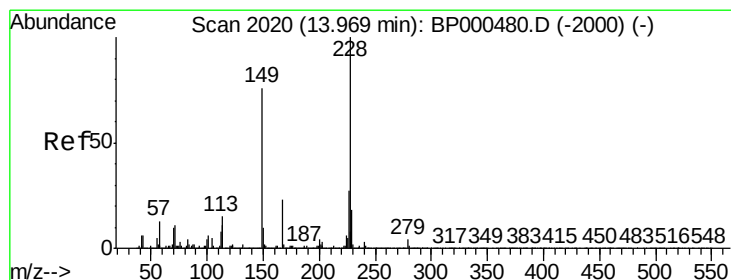
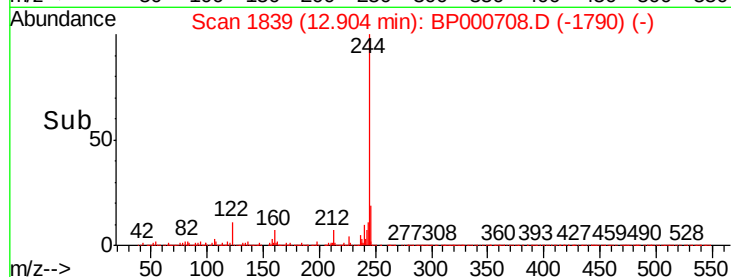
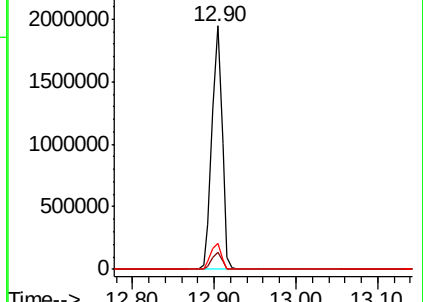
122 10.6 8.9 13.3



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: 5.143 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

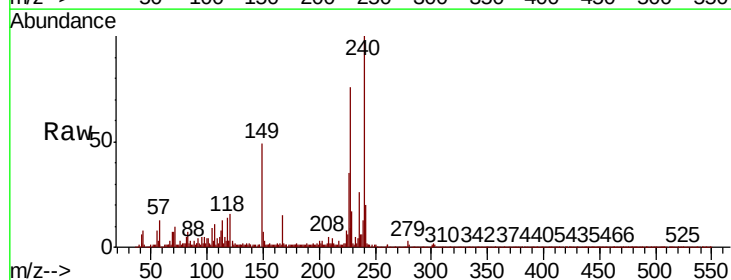
Tgt Ion:228 Resp: 200976

Ion Ratio Lower Upper

228 100

226 45.7 21.4 32.2#

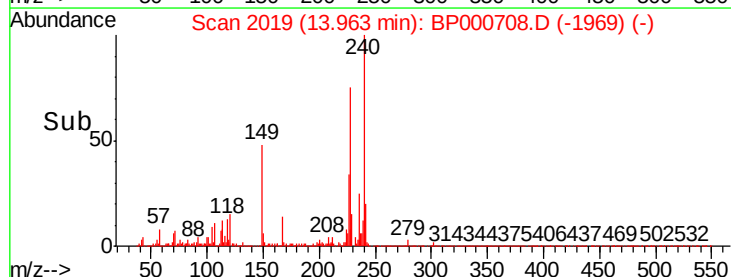
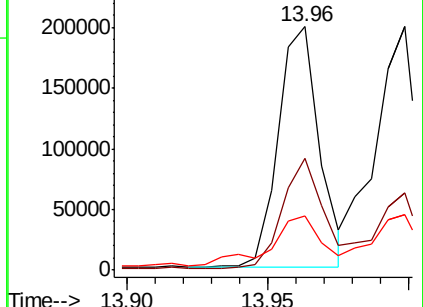
229 22.5 14.7 22.1#

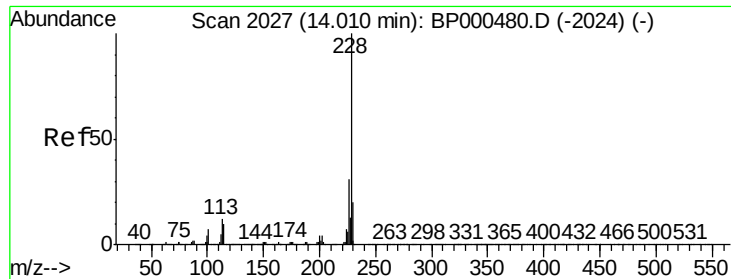


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.414 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

Instrument :

BNA_P

ClientSampleId :

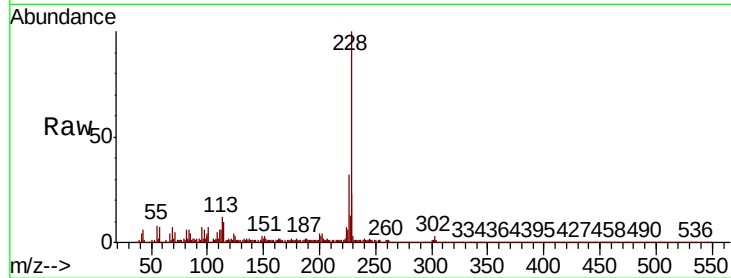
Tot Ion:228 Resp: 207637

Ion Ratio Lower Upper

228 100

226 31.7 24.7 37.1

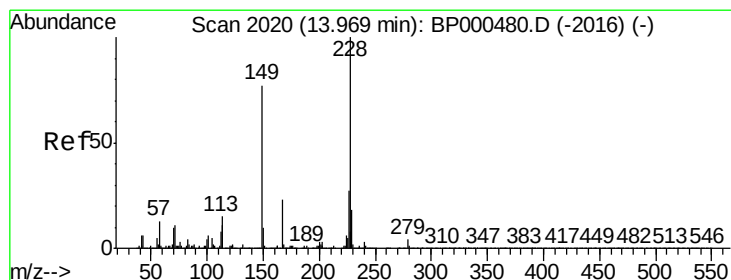
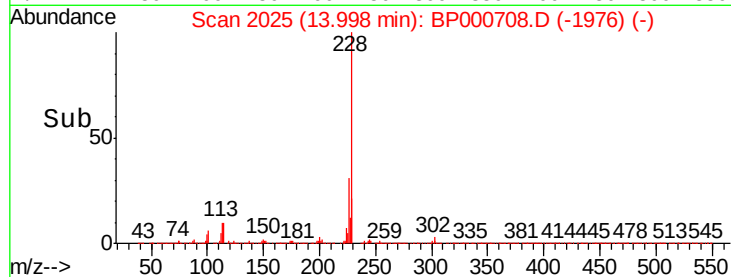
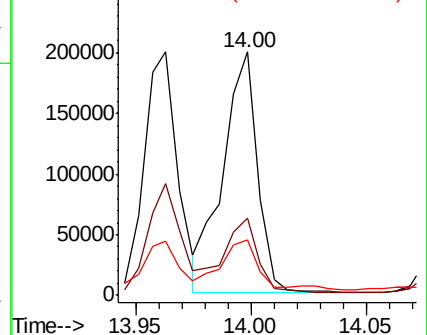
229 22.7 16.3 24.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.403 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

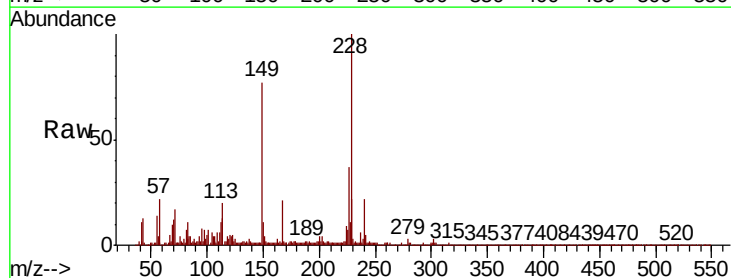
Tgt Ion:149 Resp: 130801

Ion Ratio Lower Upper

149 100

167 27.6 23.6 35.4

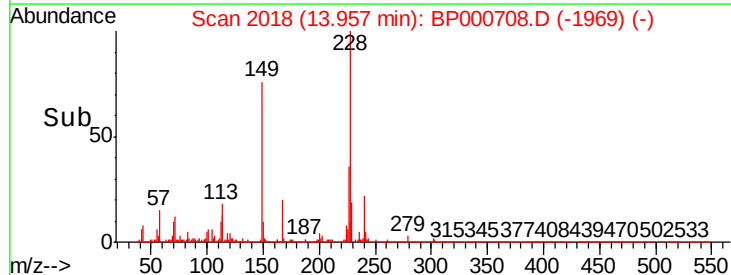
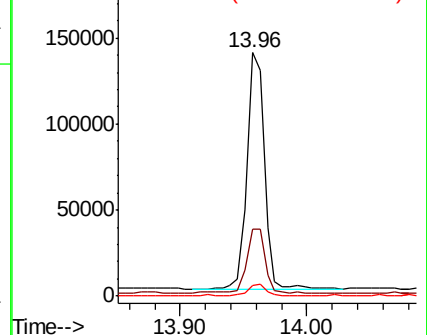
279 4.2 3.9 5.9

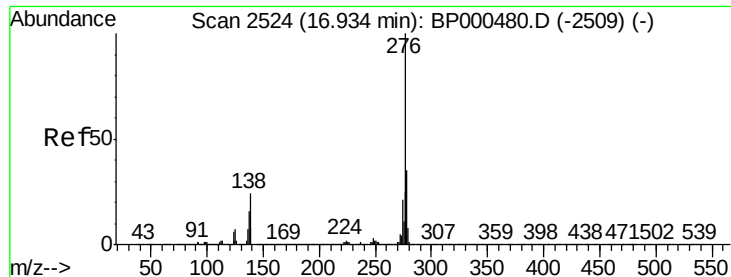


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

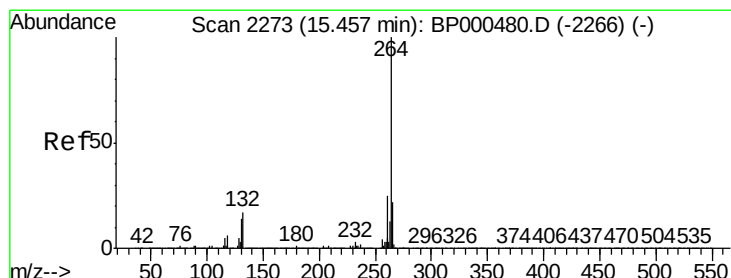
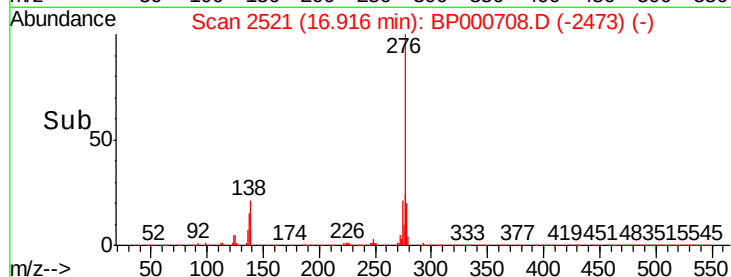
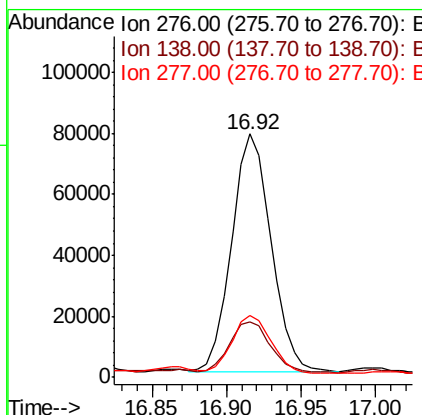
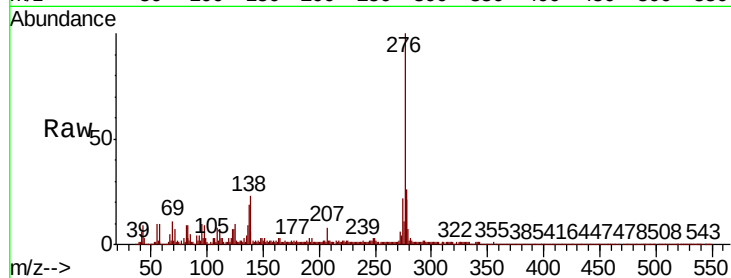




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.998 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.02 min
 Lab File: BP000708.D
 Acq: 14 Oct 2019 14:17

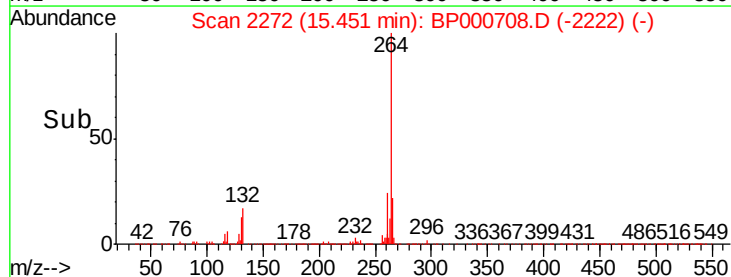
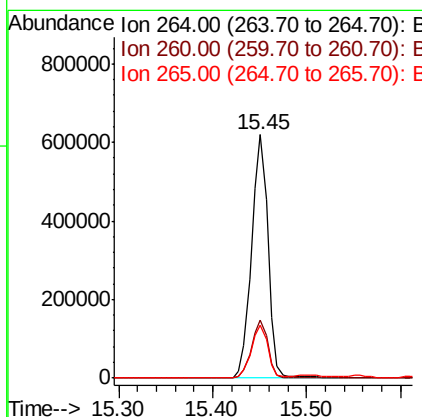
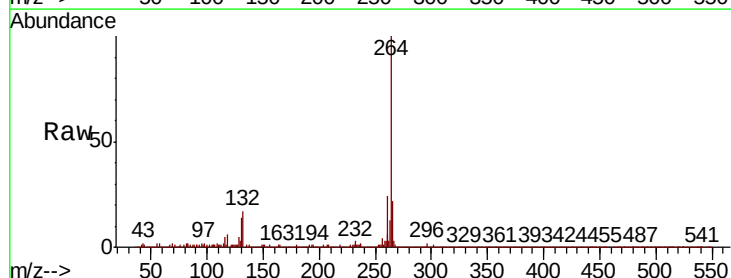
Instrument :
 BNA_P
 ClientSampleId :

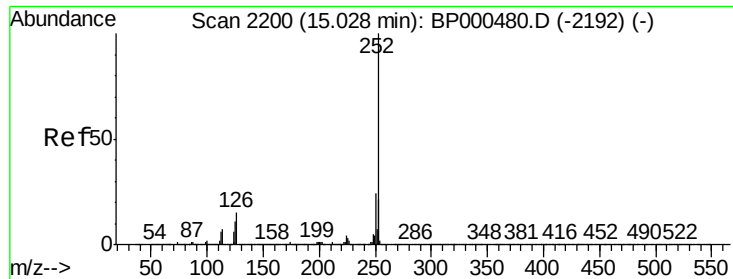
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.9	31.3
277	24.8	20.6	30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BP000708.D
 Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.3	30.5
265	21.9	18.0	27.0

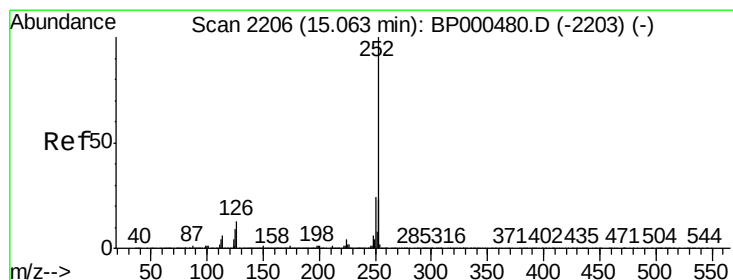
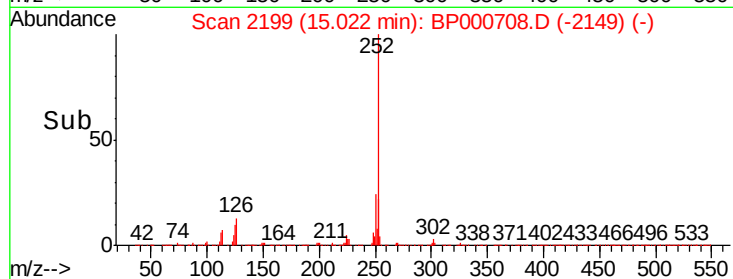
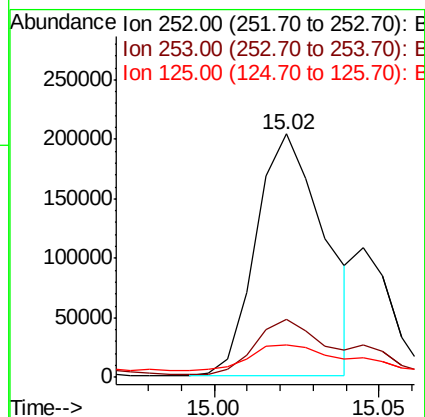
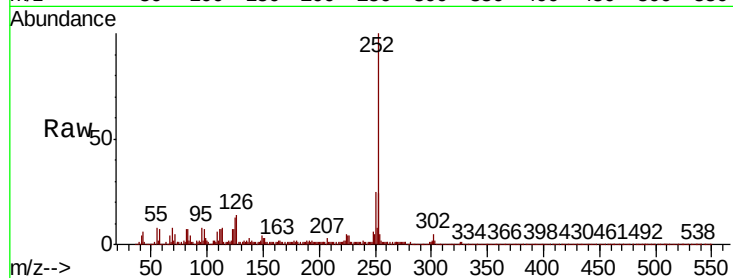




#88
Benzo(b)fluoranthene
Concen: 6.885 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

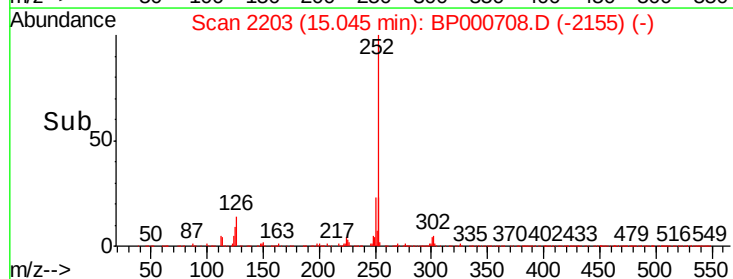
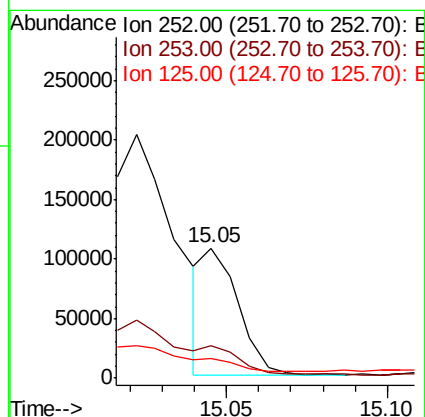
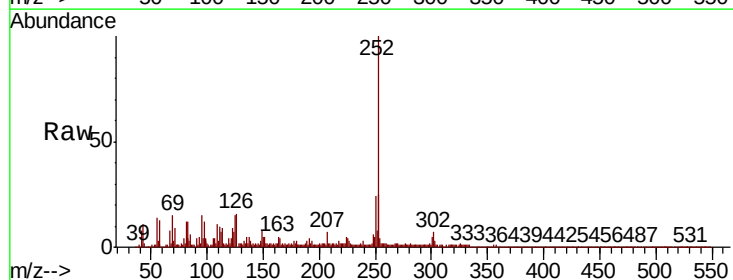
Instrument :
BNA_P
ClientSampled :

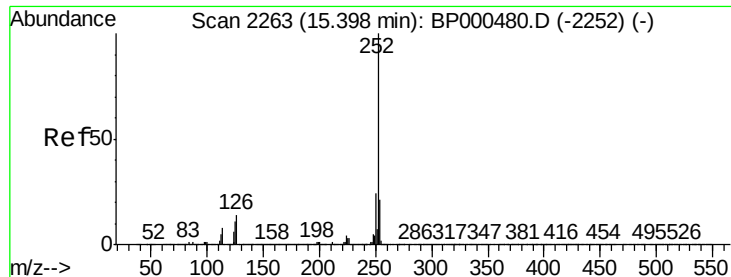
Tot Ion:252 Resp: 293031
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 13.3 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 2.027 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion:252 Resp: 82149
Ion Ratio Lower Upper
252 100
253 25.1 18.4 27.6
125 14.7 7.8 11.8#

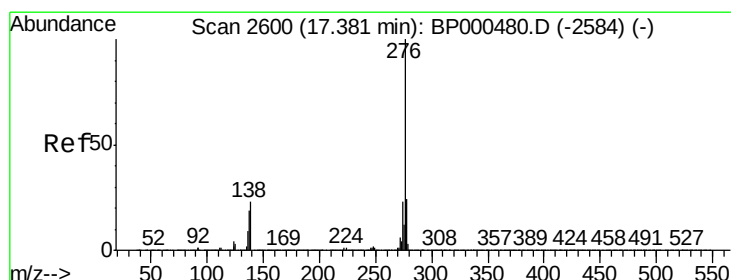
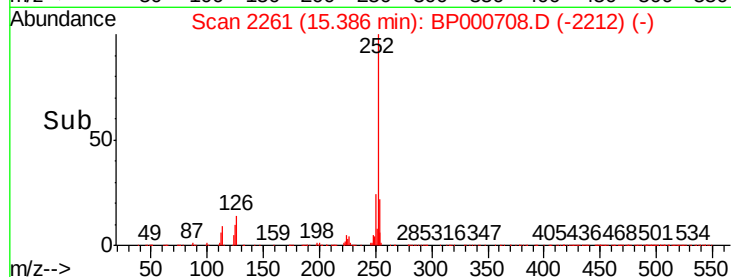
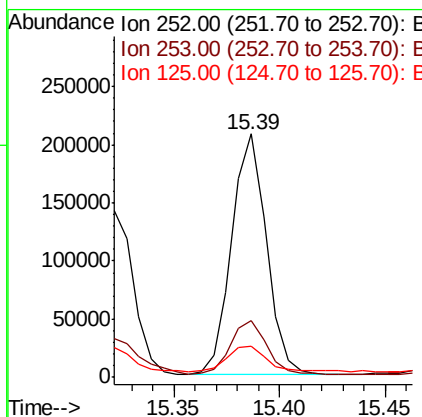
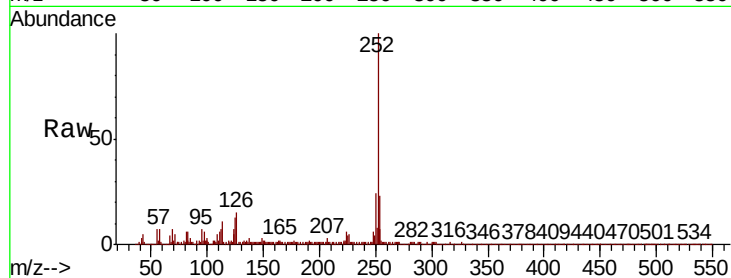




#90
Benzo(a)pyrene
Concen: 5.960 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.8	8.4	12.6



#92
Benzo(g,h,i)perylene
Concen: 3.966 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.2
138	23.5	18.5	27.7

