

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

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 15 02:42:14 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

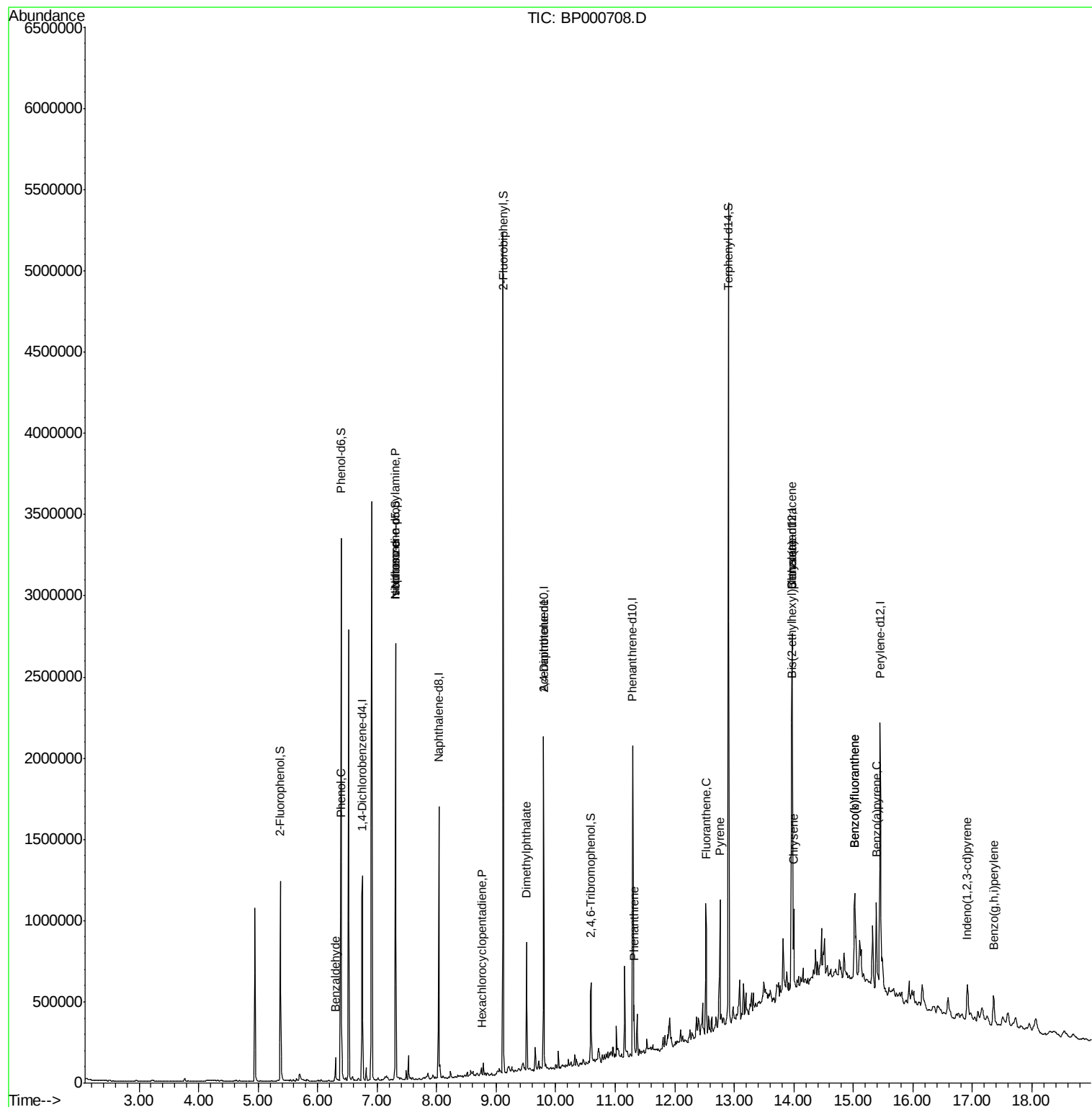
Target Compounds				Qvalue		
9) Benzaldehyde	6.30	77	32955	4.165	ng	98
10) Phenol	6.40	94	69034	4.439	ng	92
19) n-Nitroso-di-n-propylamine	7.31	70	100570	14.365	ng	# 73
25) Isophorone	7.31	82	789742	37.394	ng	# 61
41) Hexachlorocyclopentadiene	8.76	237	14	7.300	ng	85
50) Dimethylphthalate	9.51	163	273550	9.930	ng	100
57) 2,4-Dinitrotoluene	9.80	165	51569	6.474	ng	# 32
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	375482	8.822	ng	# 95
89) Benzo(k)fluoranthene	15.02	252	375482	9.266	ng	# 96
90) Benzo(a)pyrene	15.39	252	236471	5.960	ng	# 95
92) Benzo(g,h,i)perylene	17.36	276	155088	3.966	ng	99

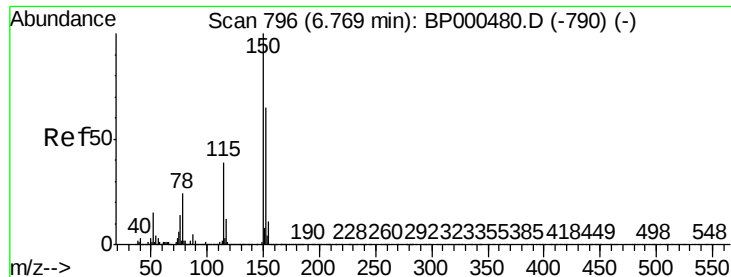
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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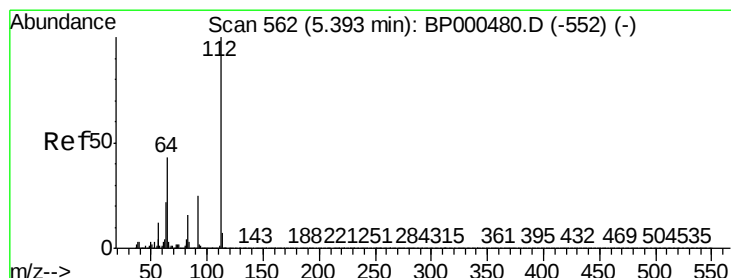
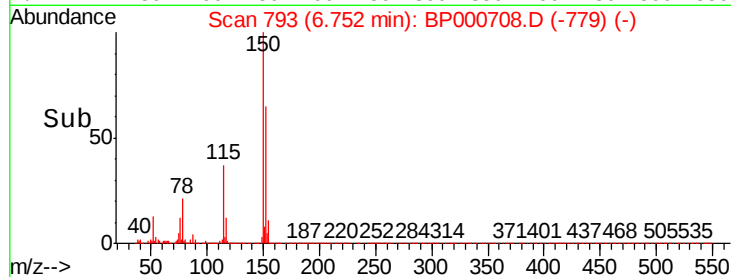
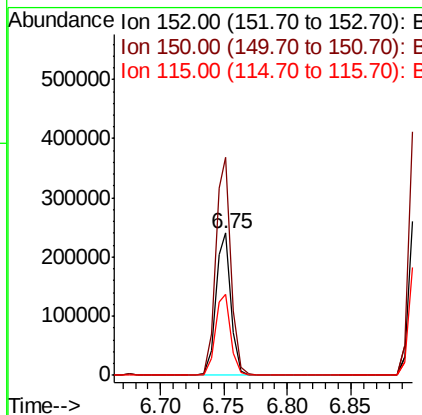
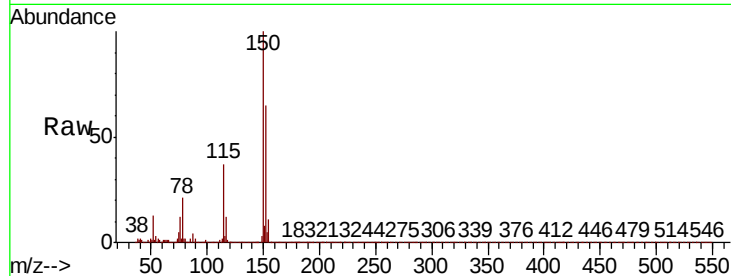


#1

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 :

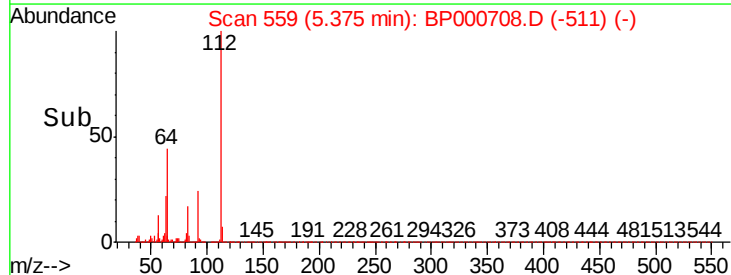
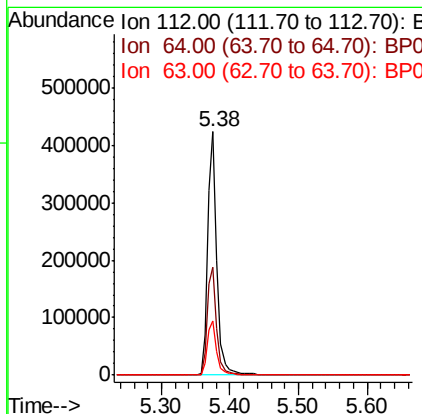
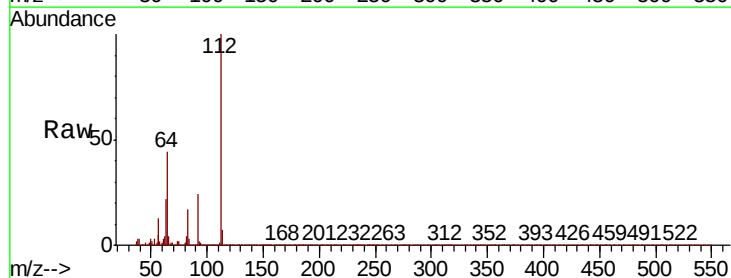
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.1	186.1
115	56.7	48.7	73.1

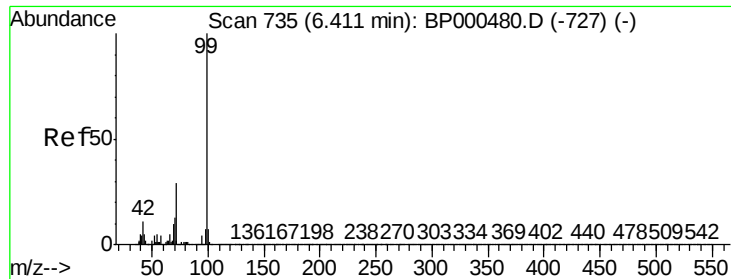


#5

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 :

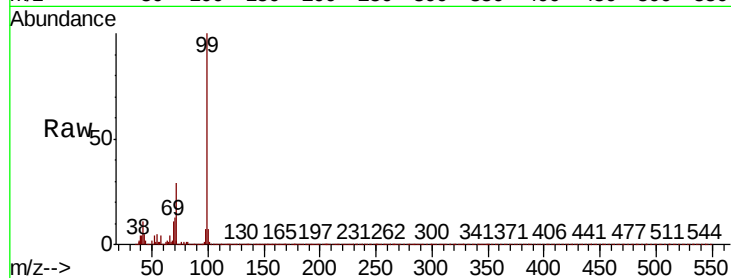
Tot Ion: 99 Resp: 1274498

Ion Ratio Lower Upper

99 100

42 10.9 8.6 12.8

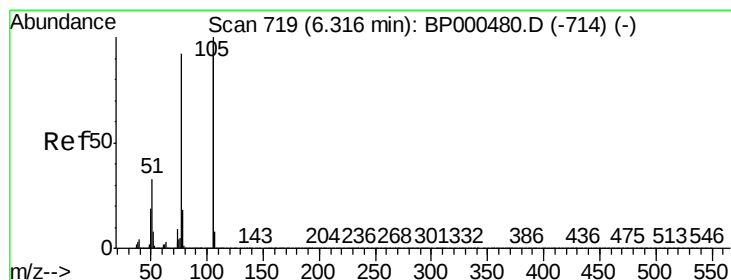
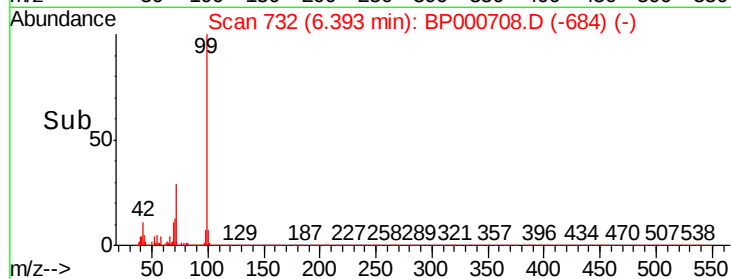
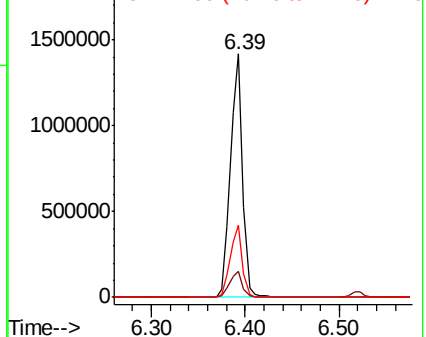
71 29.5 23.0 34.4



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

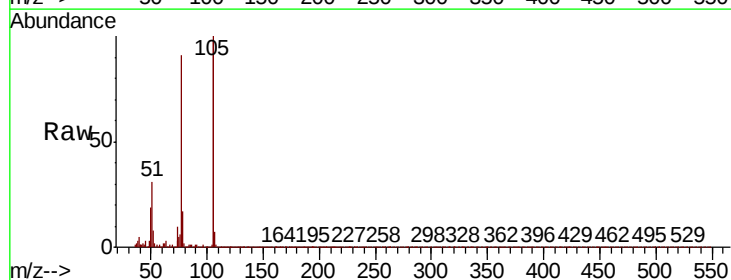
Tgt Ion: 77 Resp: 32955

Ion Ratio Lower Upper

77 100

105 110.3 88.3 128.3

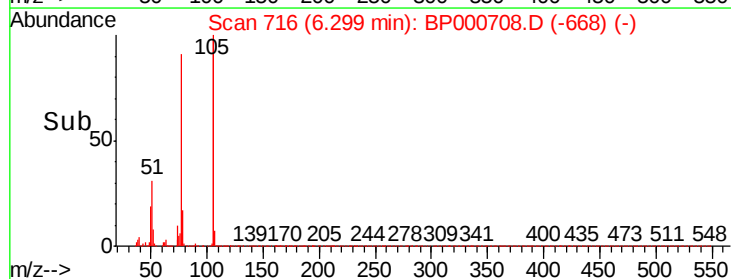
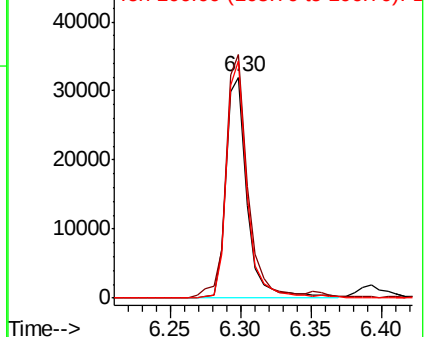
106 107.6 85.7 125.7

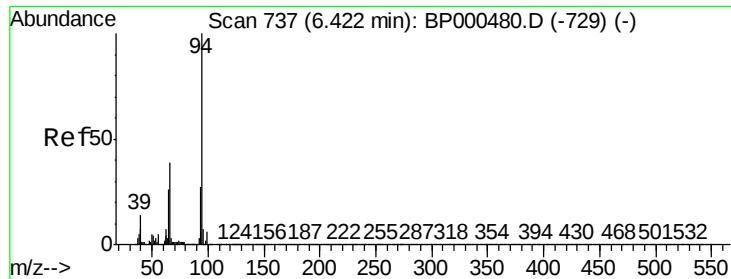


Abundance Ion 77.00 (76.70 to 77.70): BP0

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 :

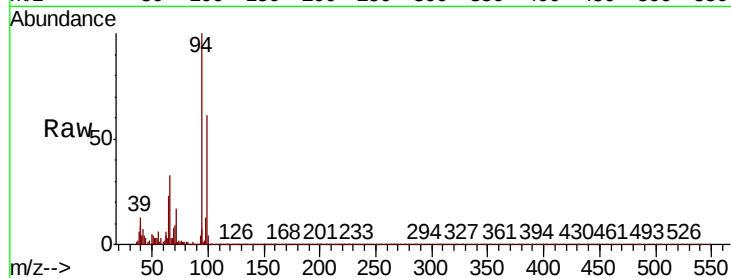
Tot Ion: 94 Resp: 69034

Ion Ratio Lower Upper

94 100

65 22.9 5.9 45.9

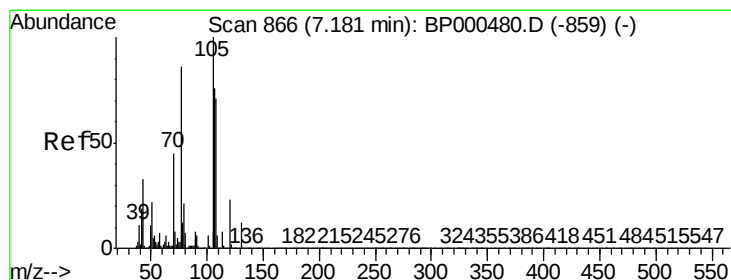
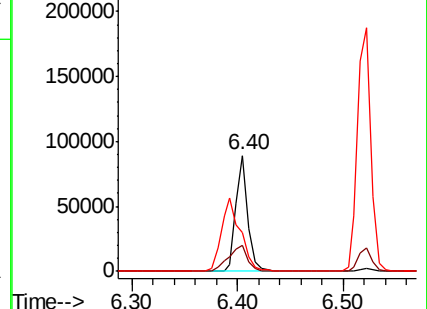
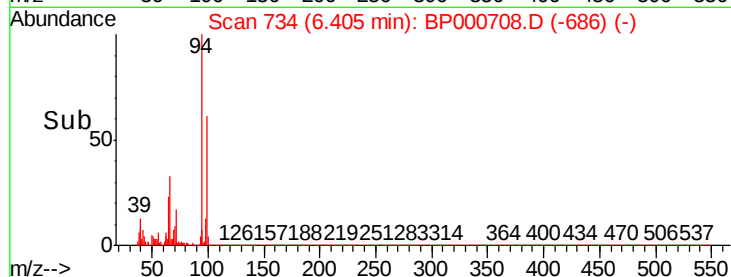
66 33.1 18.8 58.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.365 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

Tgt Ion: 70 Resp: 100570

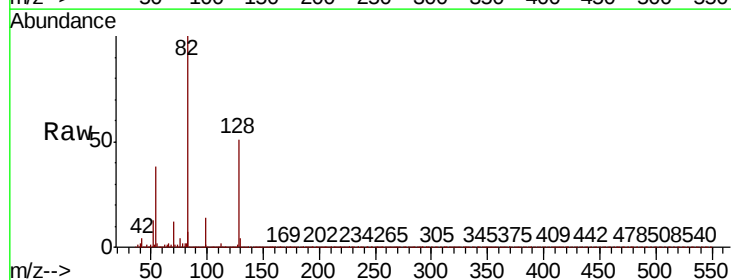
Ion Ratio Lower Upper

70 100

42 34.0 33.2 49.8

101 0.1 9.9 14.9#

130 2.6 21.8 32.8#

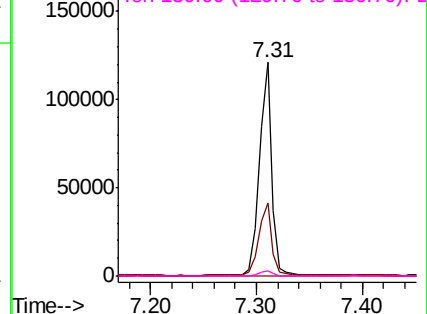
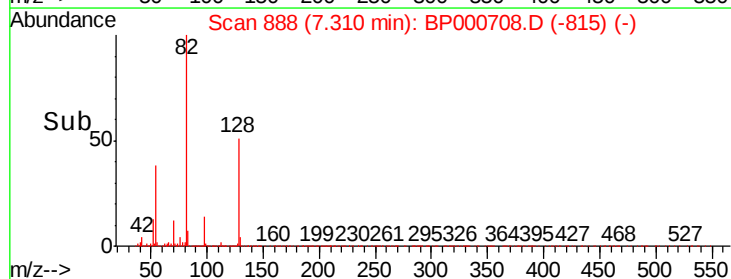


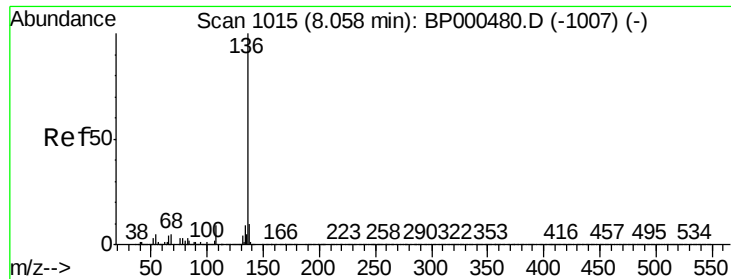
Abundance Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

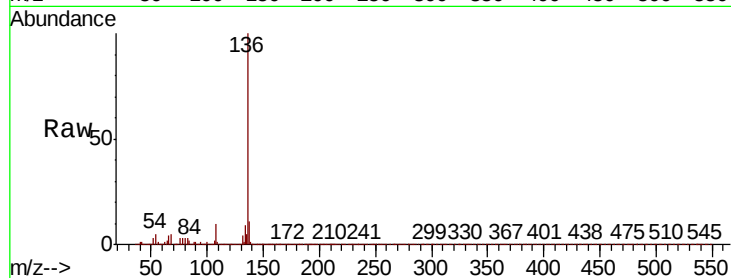




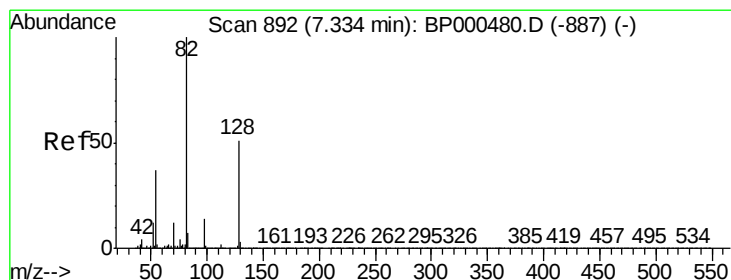
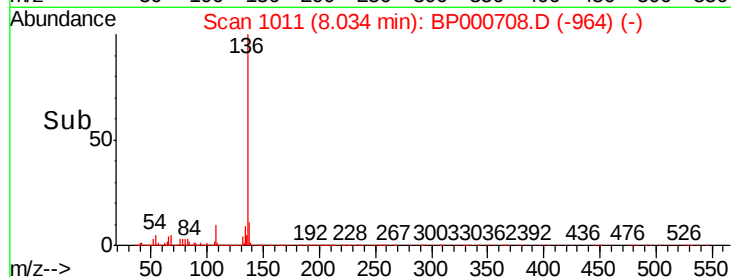
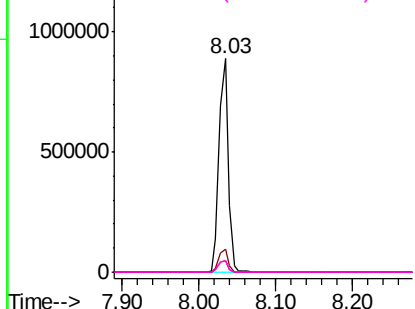
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampled :

Tot 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

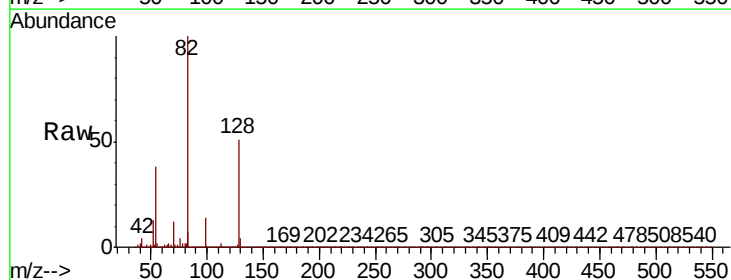


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

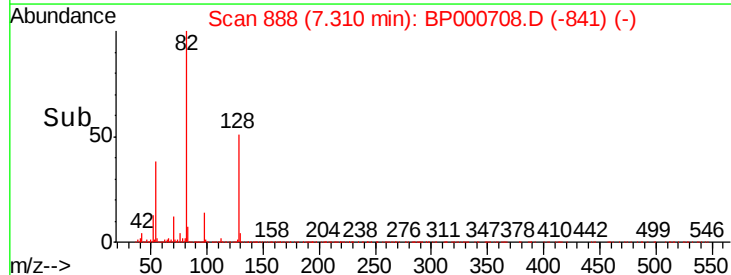
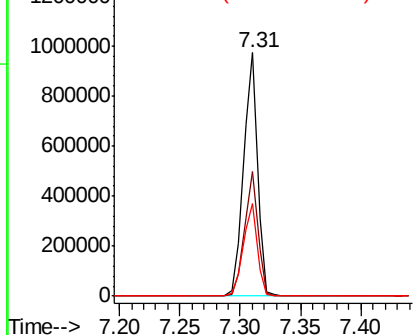


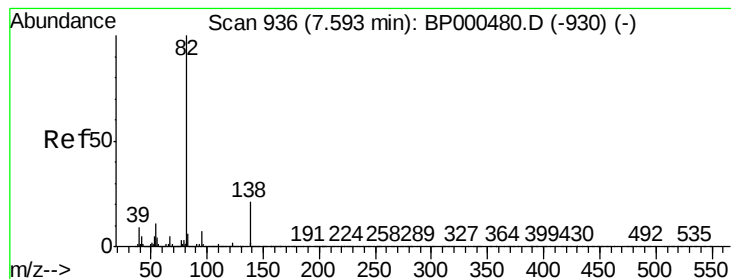
#23
Nitrobenzene-d5
Concen: 66.485 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Tgt Ion: 82	Resp: 791156
Ion Ratio	Lower Upper
82 100	
128 51.4	40.9 61.3
54 37.8	29.4 44.2



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0





#25

Isophorone

Concen: 37.394 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

Instrument :

BNA_P

ClientSampleId :

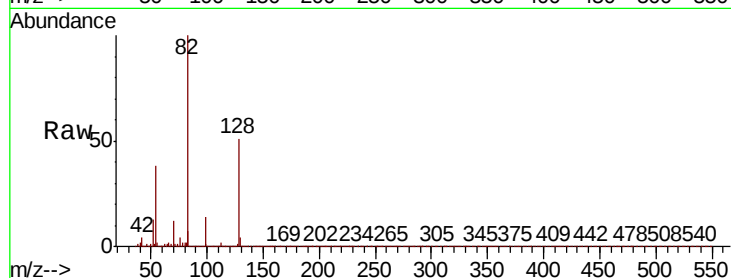
Tot Ion: 82 Resp: 789742

Ion Ratio Lower Upper

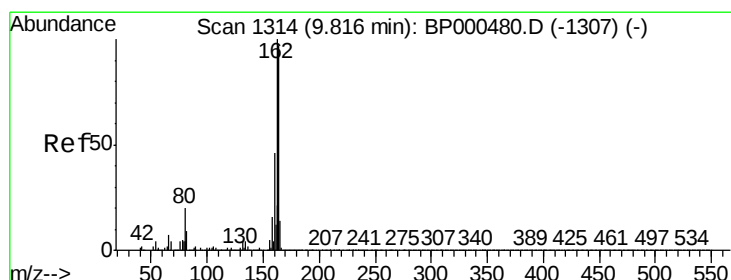
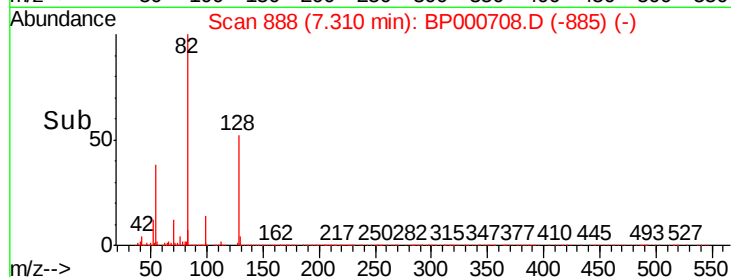
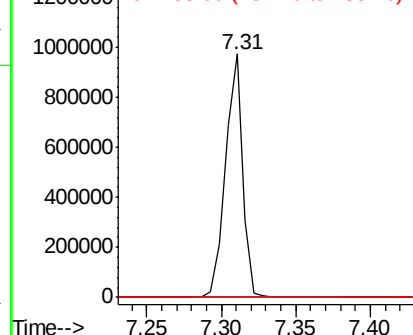
82 100

95 0.0 5.8 8.6#

138 0.0 17.0 25.4#



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: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

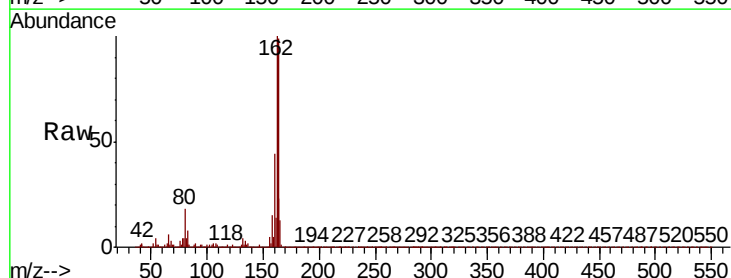
Tgt Ion: 164 Resp: 396463

Ion Ratio Lower Upper

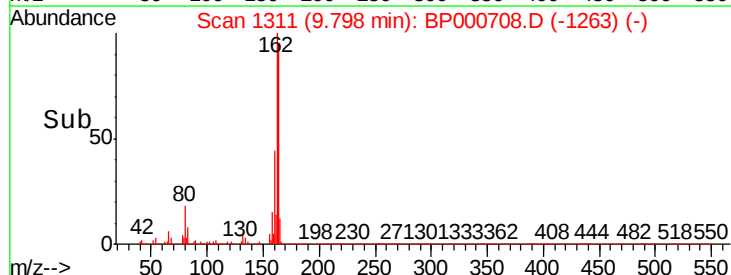
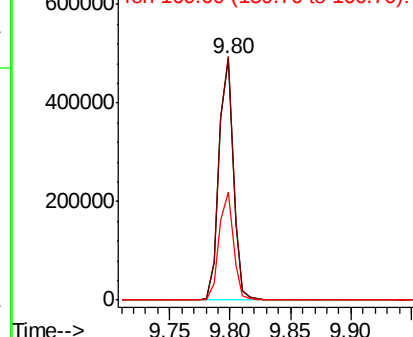
164 100

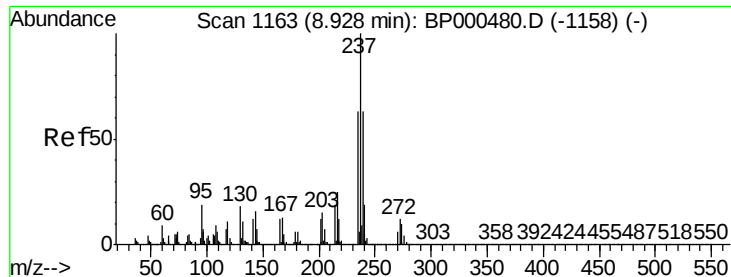
162 100.8 82.2 123.2

160 44.5 37.6 56.4



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

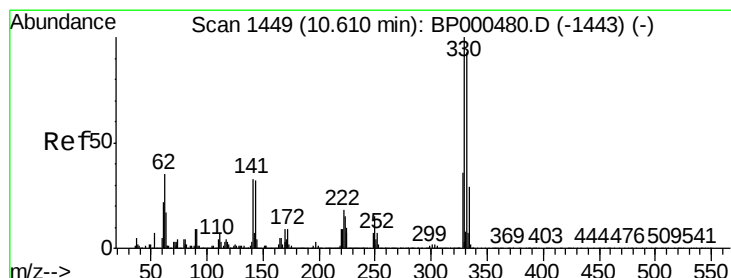
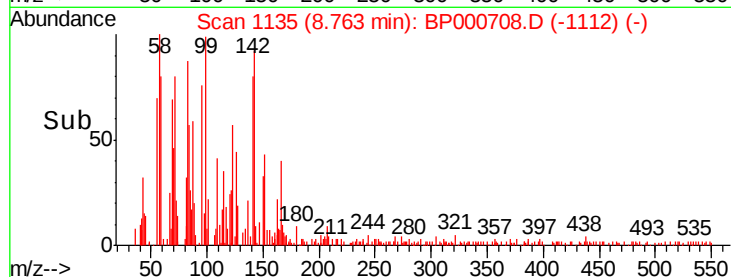
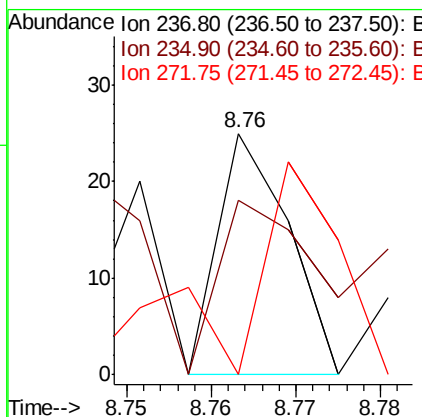
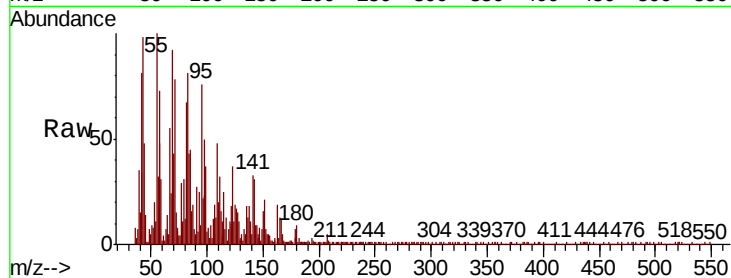




#41
Hexachlorocyclopentadiene
Concen: 7.300 ng
RT: 8.76 min Scan# 1135
Delta R.T. -0.16 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

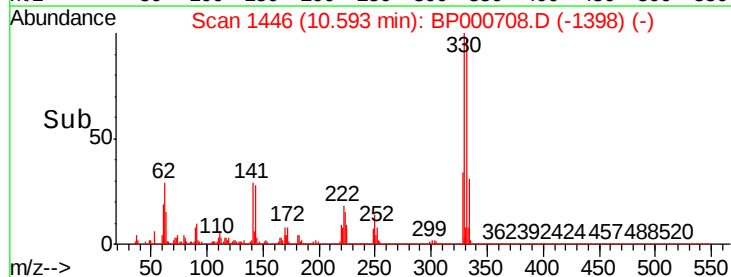
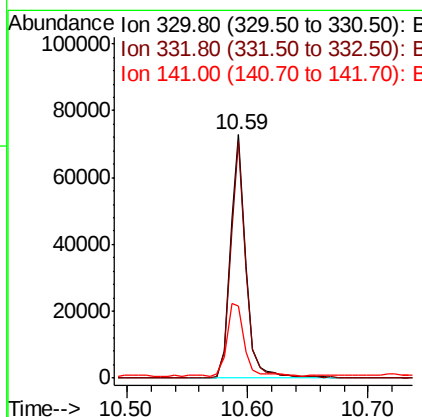
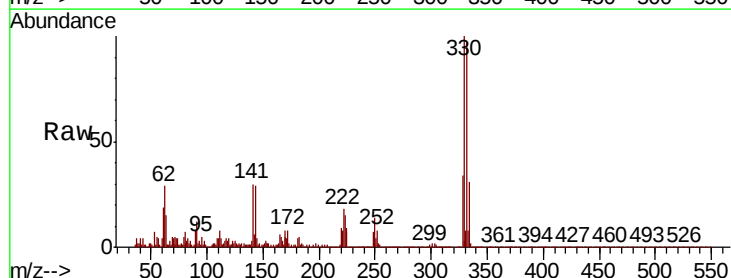
Instrument :
BNA_P
ClientSampleId :

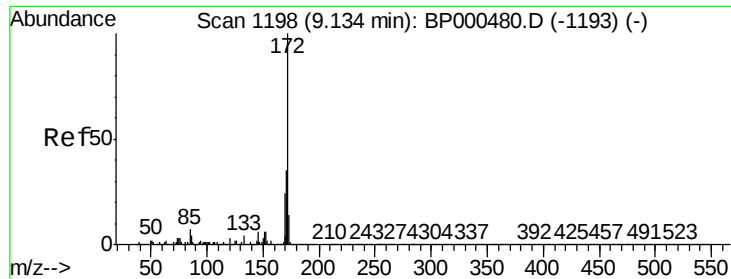
Tot Ion:	237	Resp:	14
Ion	Ratio	Lower	Upper
237	100		
235	72.0	42.9	82.9
272	0.0	0.0	32.4



#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

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

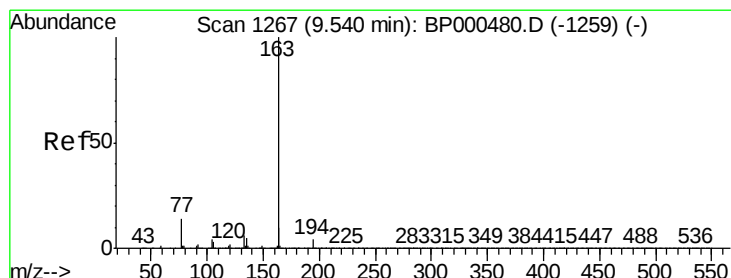
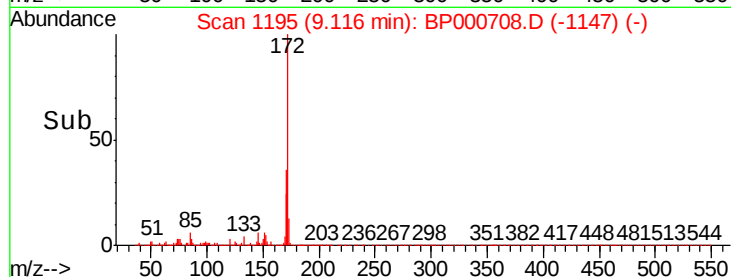
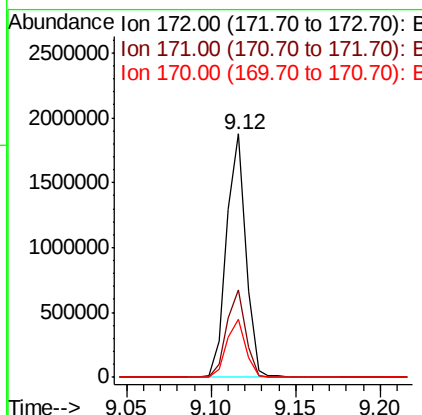
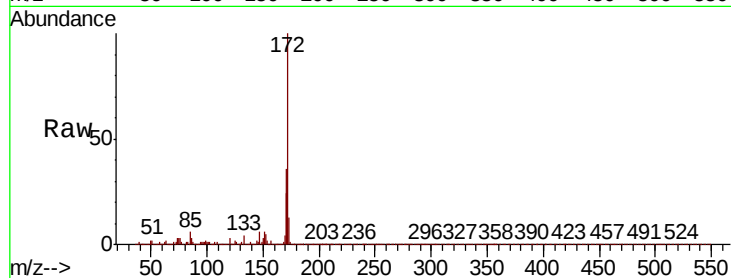




#45
2-Fluorobiphenyl
Concen: 60.794 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

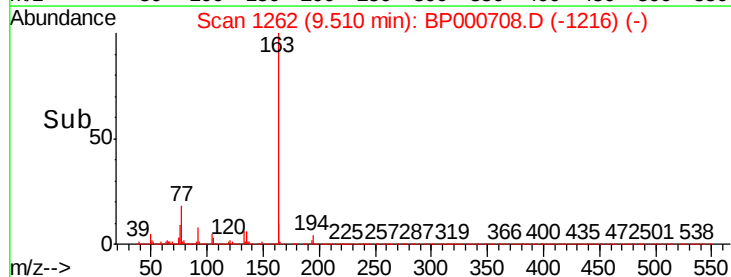
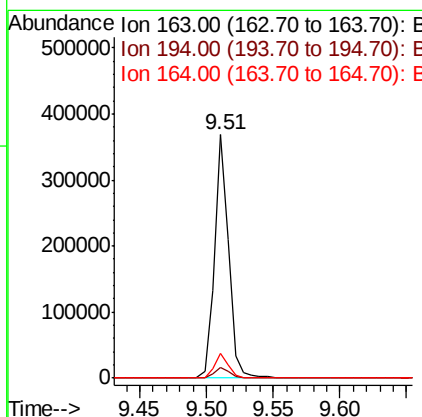
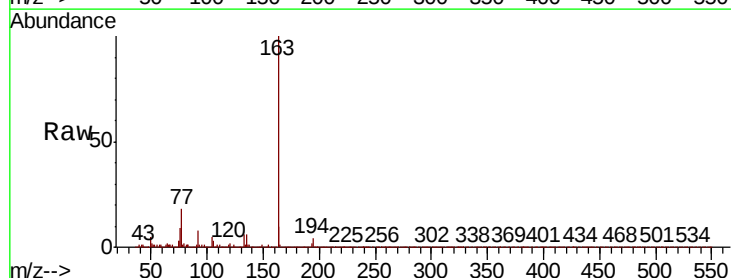
Instrument :
BNA_P
ClientSampleId :

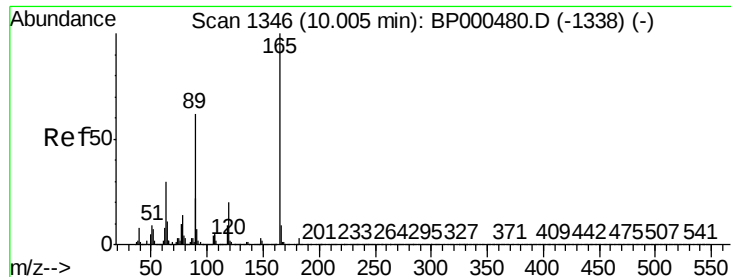
Tot Ion:172 Resp: 1489667
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 23.9 19.1 28.7



#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

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

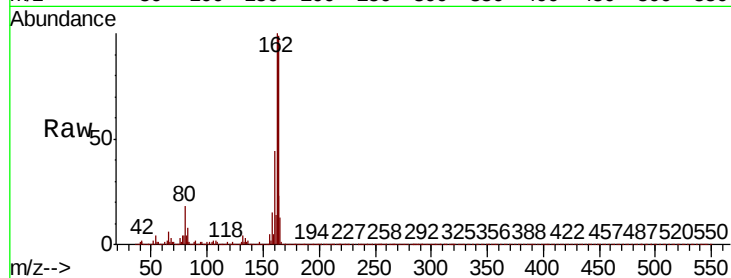




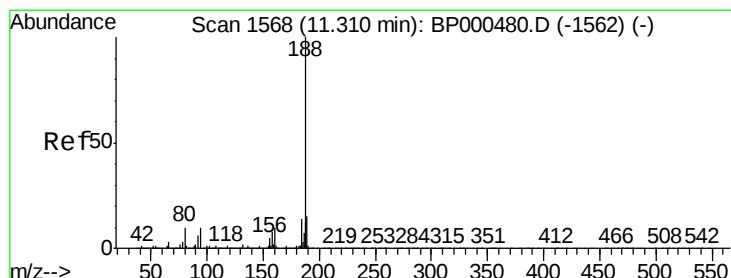
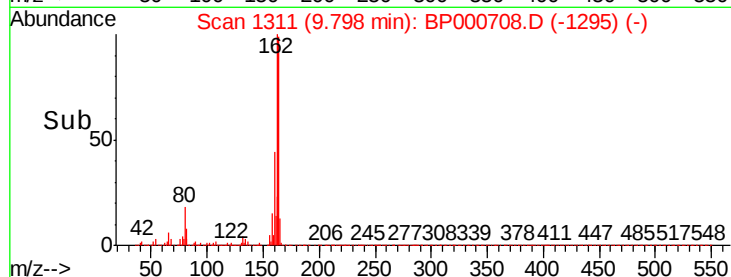
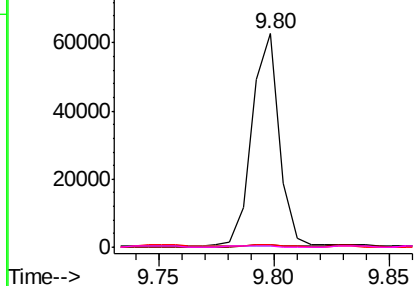
#57
2,4-Dinitrotoluene
Concen: 6.474 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

Instrument :
BNA_P
ClientSampleId :

Tot Ion:	165	Resp:	51569
Ion	Ratio	Lower	Upper
165	100		
63	1.4	24.2	36.4#
89	1.4	49.4	74.0#
182	0.4	2.5	3.7#

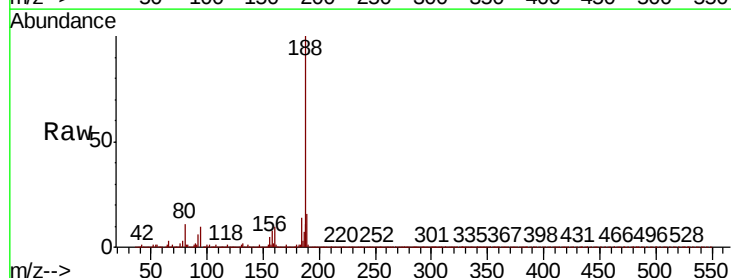


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BP0
Ion 89.00 (88.70 to 89.70): BP0
Ion 182.00 (181.70 to 182.70): E

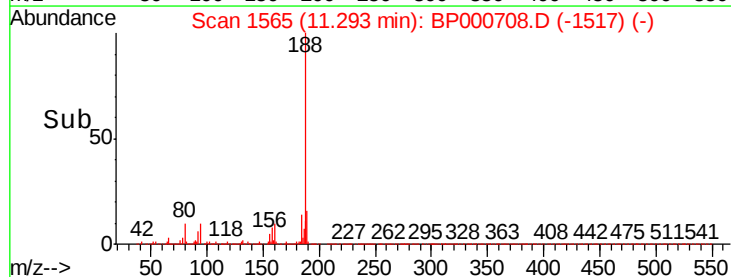
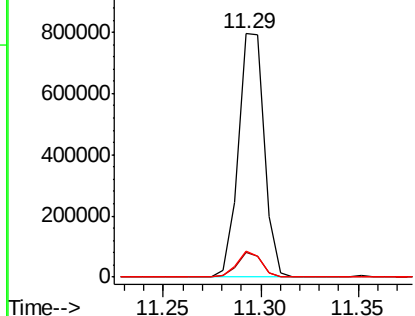


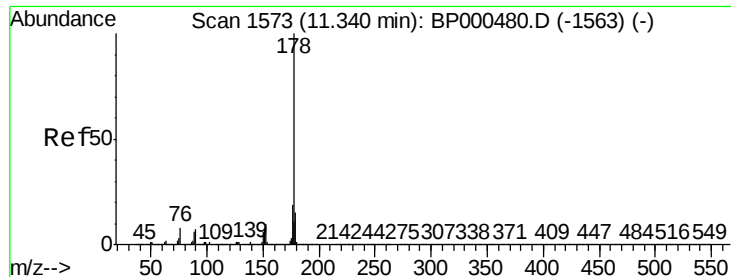
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

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

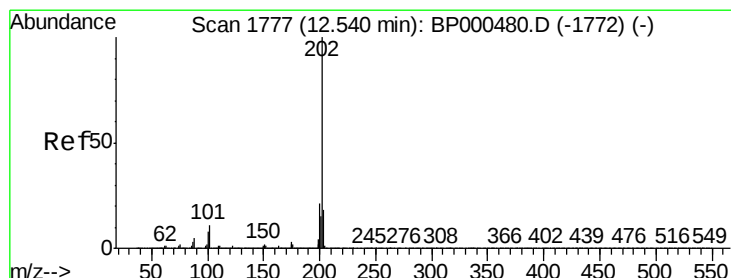
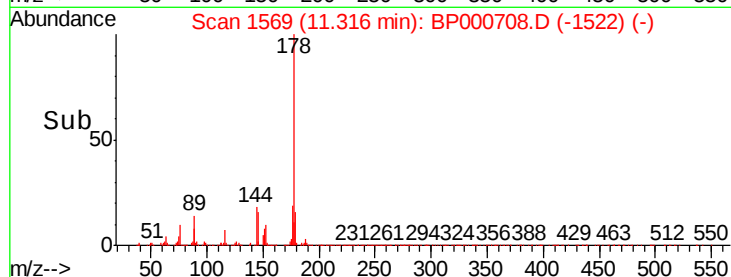
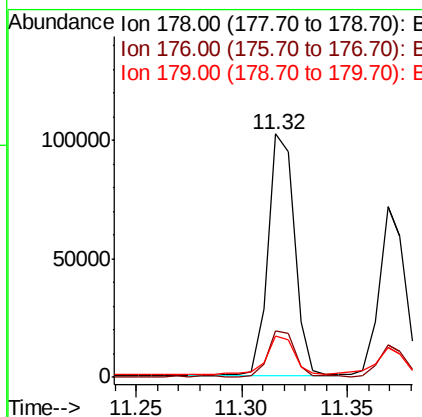
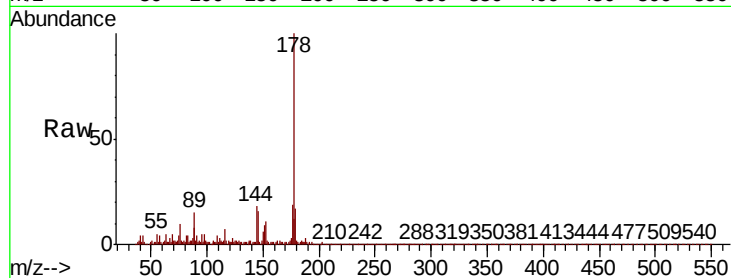




#71
Phenanthrene
Concen: 2.431 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

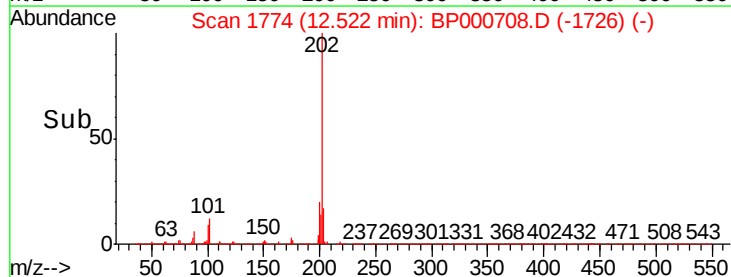
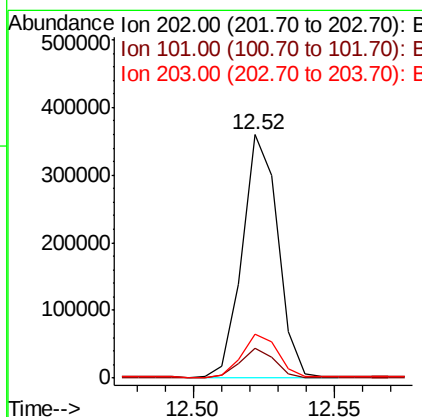
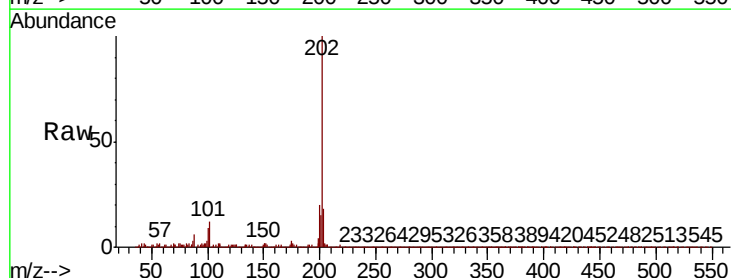
Instrument :
BNA_P
ClientSampled :

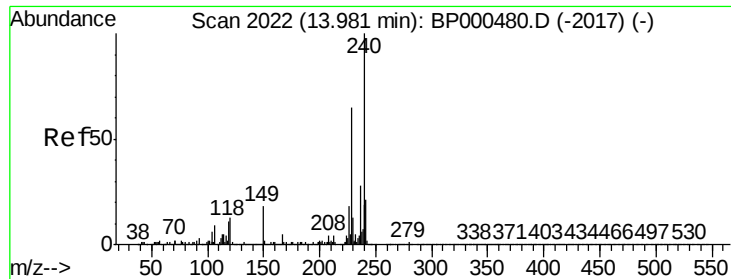
Tot Ion:178 Resp: 89579
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.9 12.2 18.4



#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:202 Resp: 313642
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.3
203 17.8 0.0 38.1

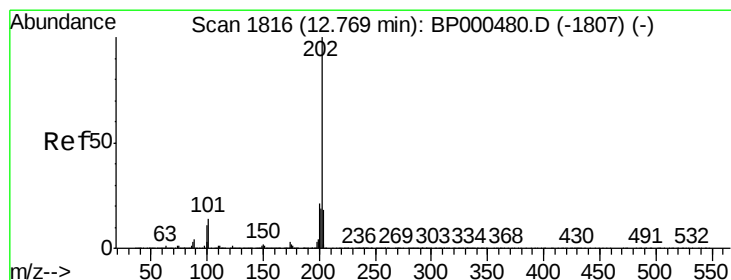
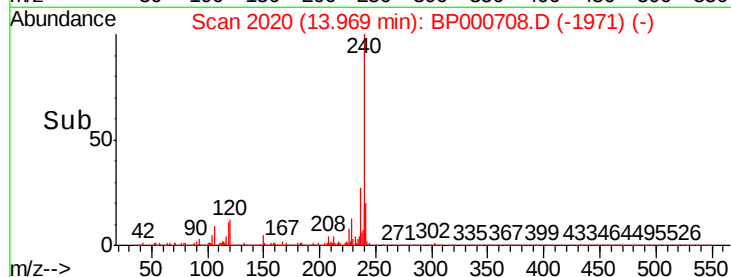
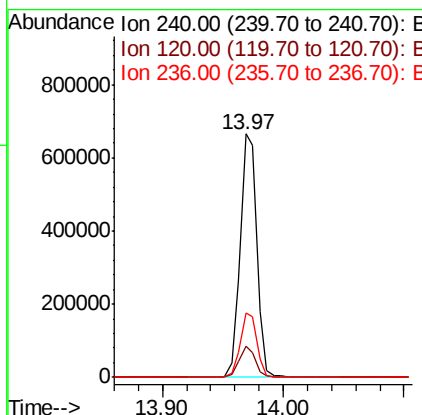
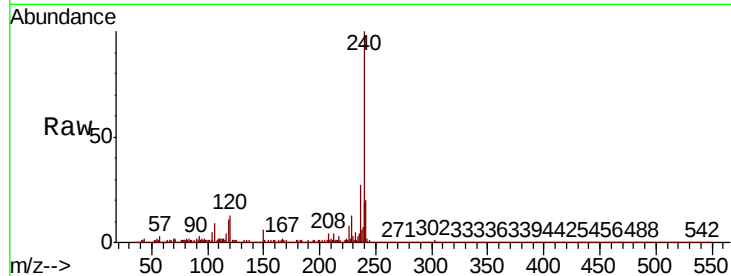




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

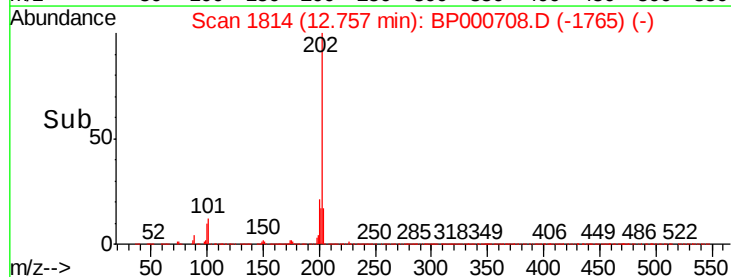
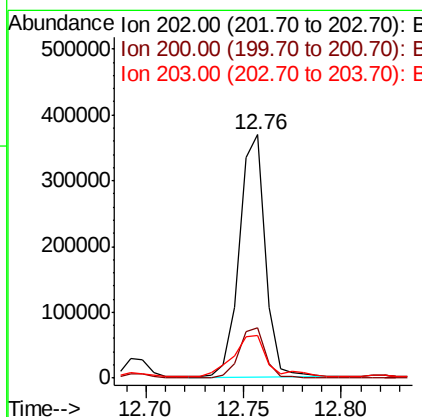
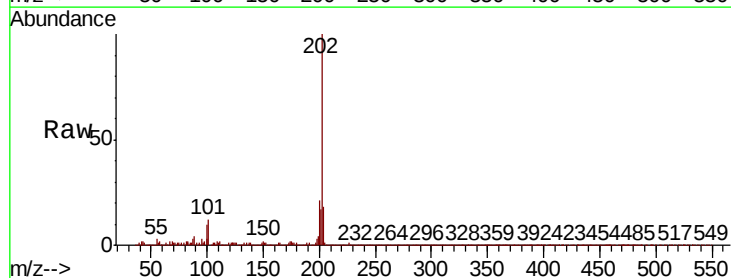
Instrument :
BNA_P
ClientSampleId :

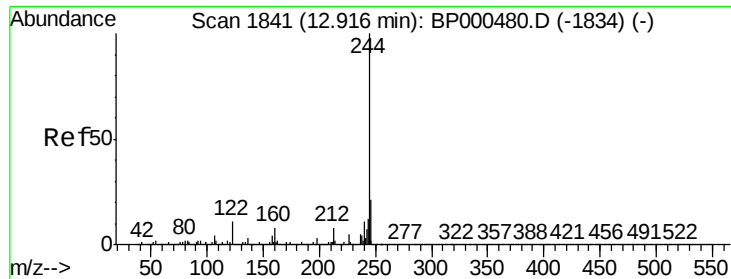
Tot Ion:240 Resp: 640418
Ion Ratio Lower Upper
240 100
120 12.6 10.1 15.1
236 26.7 22.7 34.1



#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 :

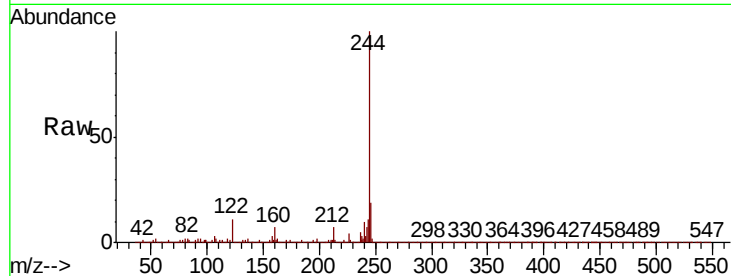
Tot Ion:244 Resp: 1681185

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

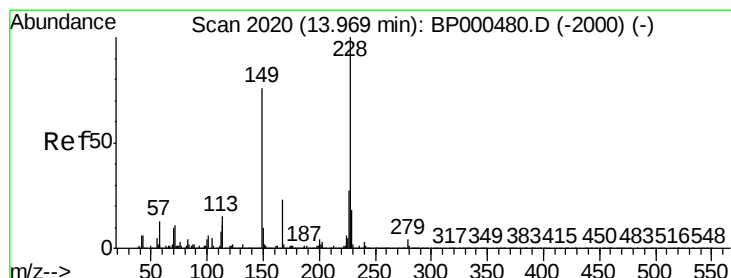
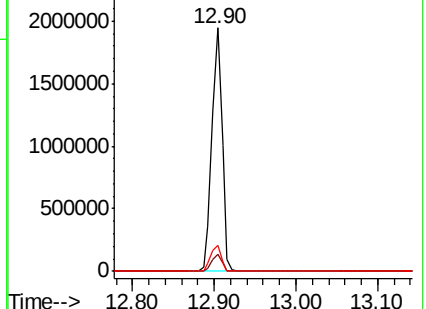
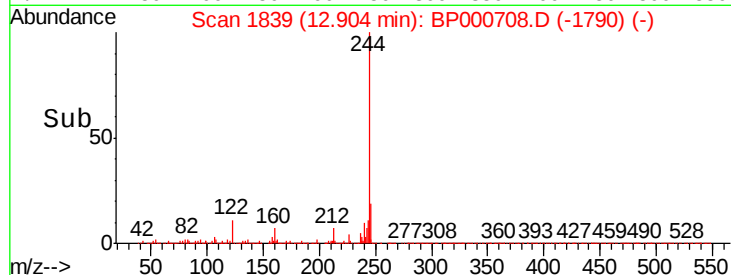
122 10.6 8.9 13.3



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

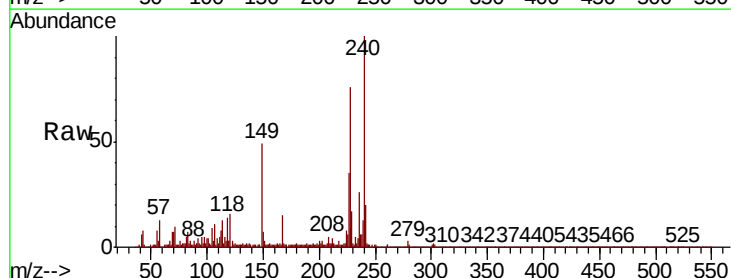
Tgt Ion:228 Resp: 200976

Ion Ratio Lower Upper

228 100

226 45.7 21.4 32.2#

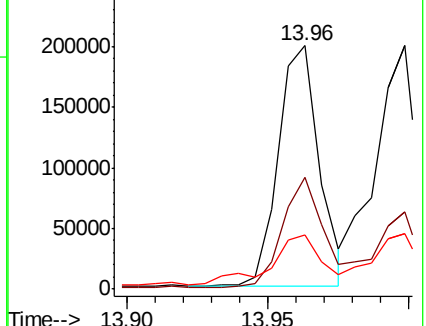
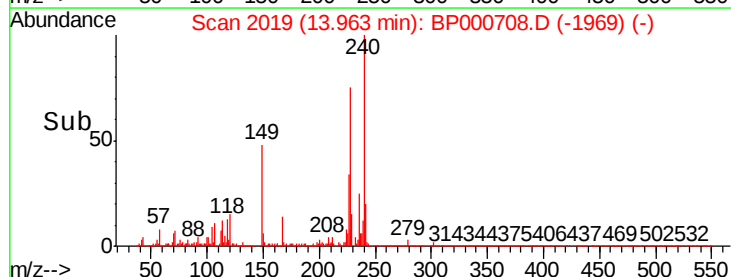
229 22.5 14.7 22.1#

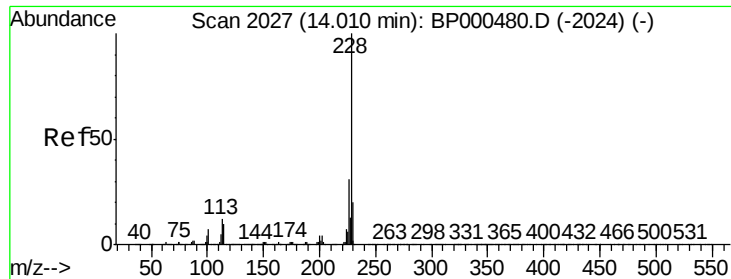


Abundance Ion 228.00 (227.70 to 228.70): E

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 :

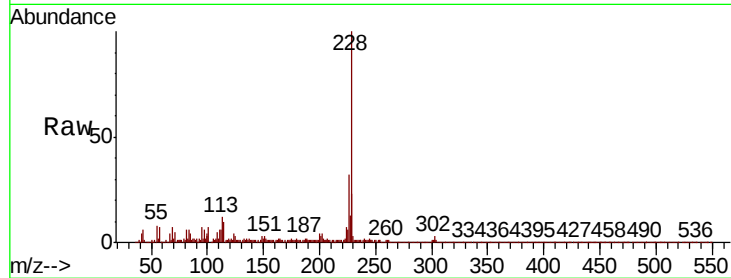
Tot Ion:228 Resp: 207637

Ion Ratio Lower Upper

228 100

226 31.7 24.7 37.1

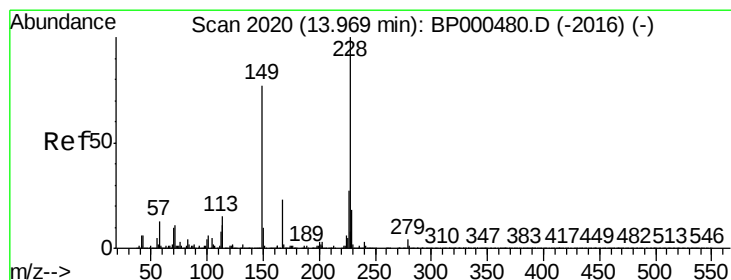
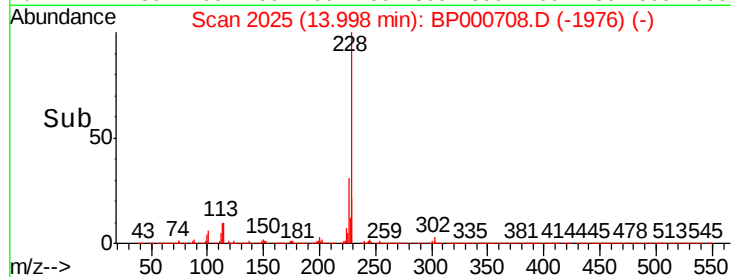
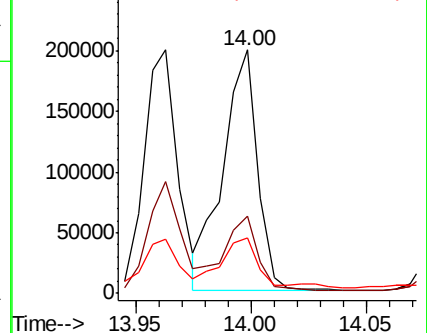
229 22.7 16.3 24.5



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

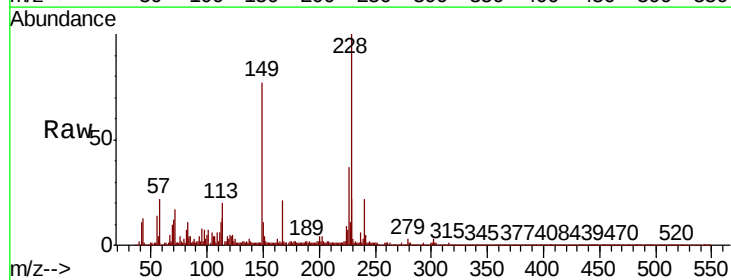
Tgt Ion:149 Resp: 130801

Ion Ratio Lower Upper

149 100

167 27.6 23.6 35.4

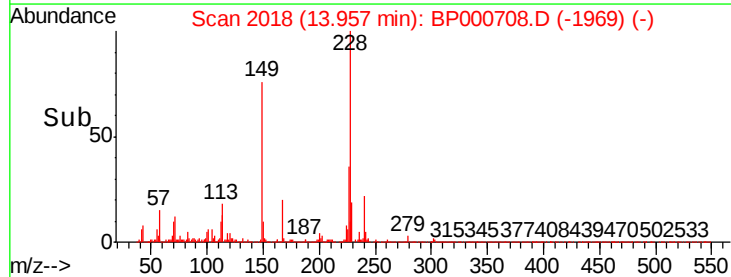
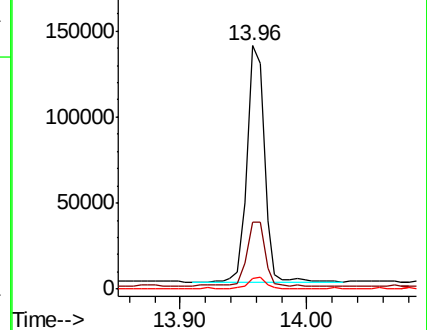
279 4.2 3.9 5.9

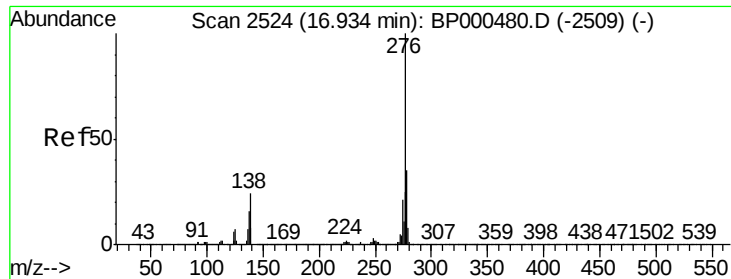


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

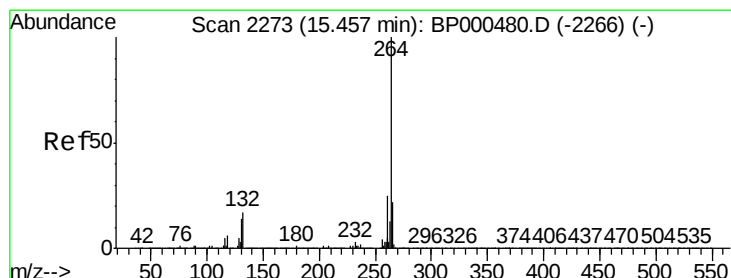
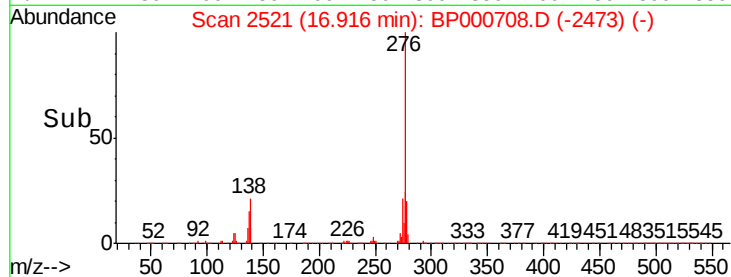
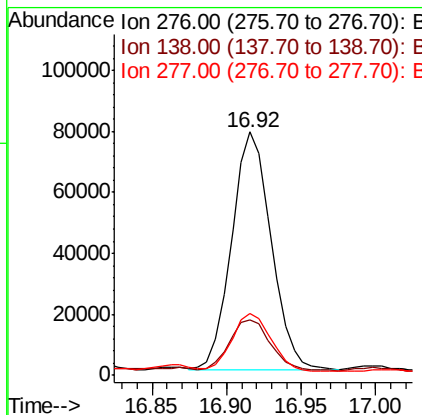
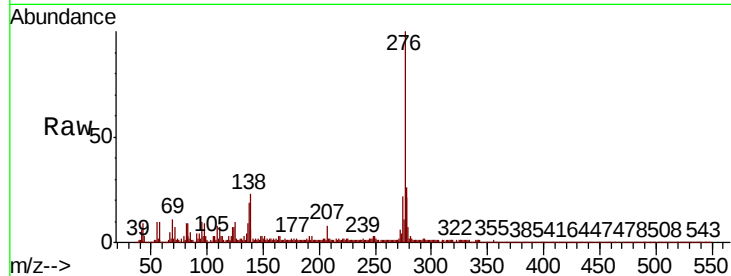




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.998 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.02 min
 Lab File: BP000708.D
 Acq: 14 Oct 2019 14:17

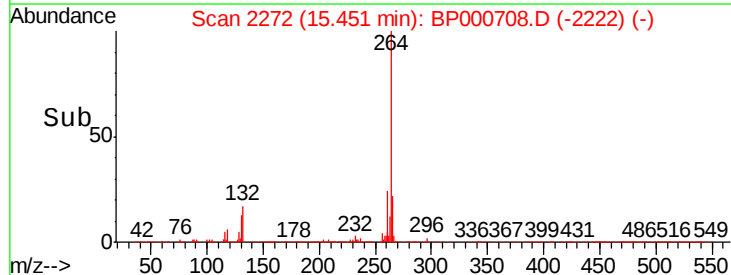
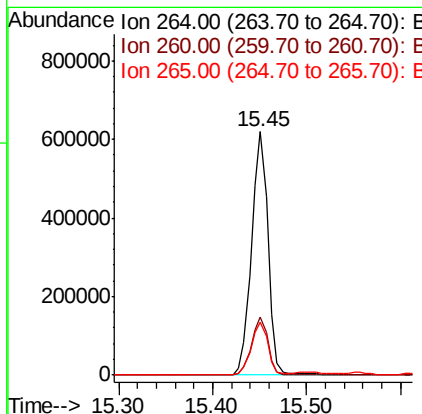
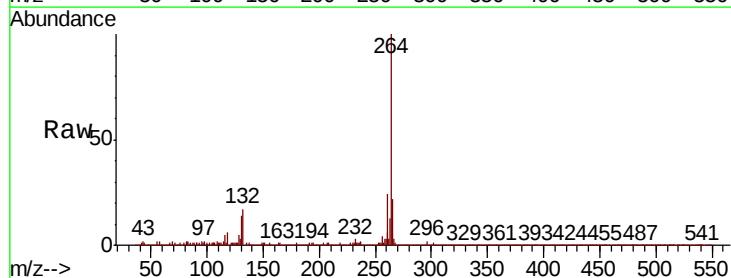
Instrument :
 BNA_P
 ClientSampleId :

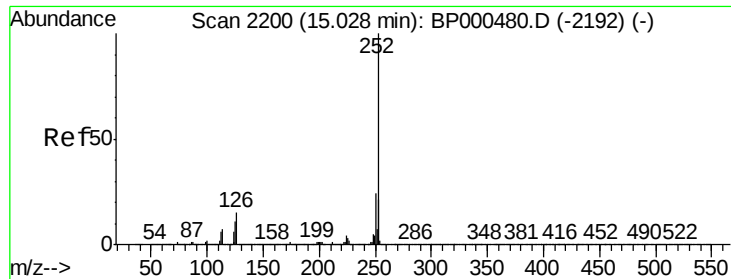
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.9	31.3
277	24.8	20.6	30.8



#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: 8.822 ng

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

ClientSampleId :

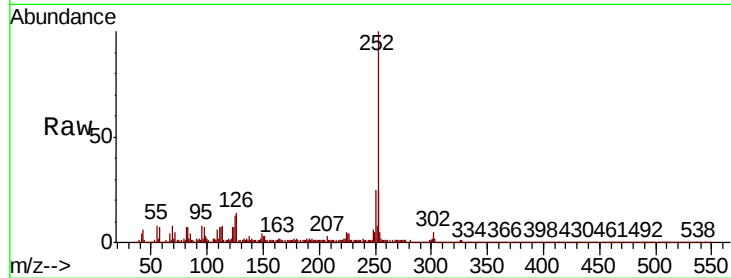
Tot Ion:252 Resp: 375482

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

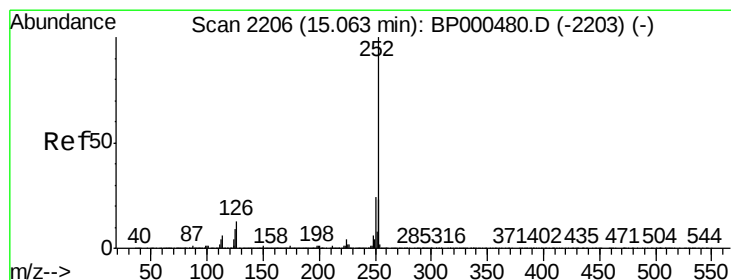
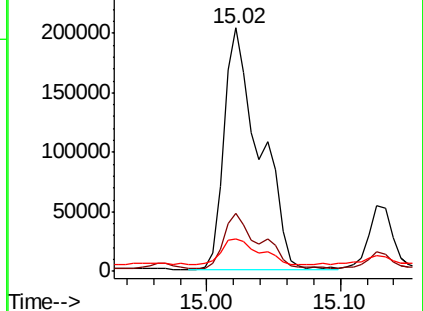
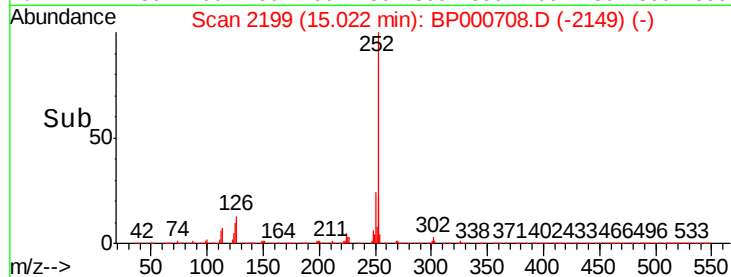
125 13.3 8.9 13.3#



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



#89

Benzo(k)fluoranthene

Concen: 9.266 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BP000708.D

Acq: 14 Oct 2019 14:17

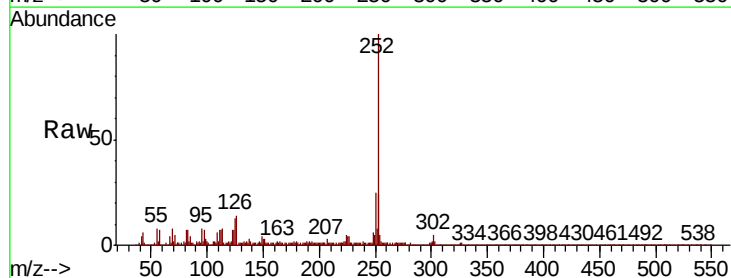
Tgt Ion:252 Resp: 375482

Ion Ratio Lower Upper

252 100

253 23.6 18.4 27.6

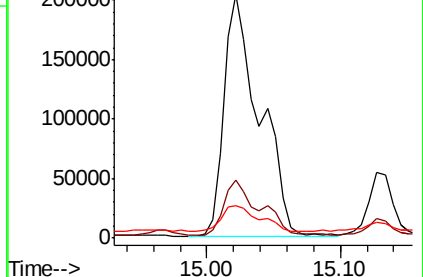
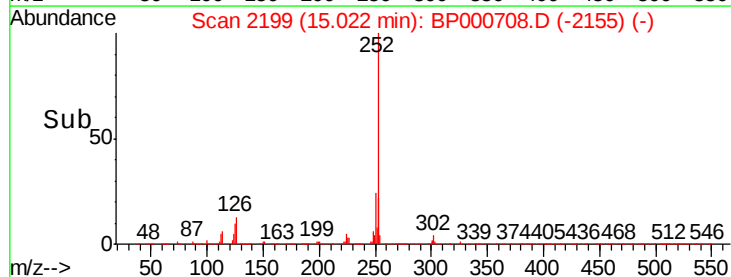
125 13.3 7.8 11.8#

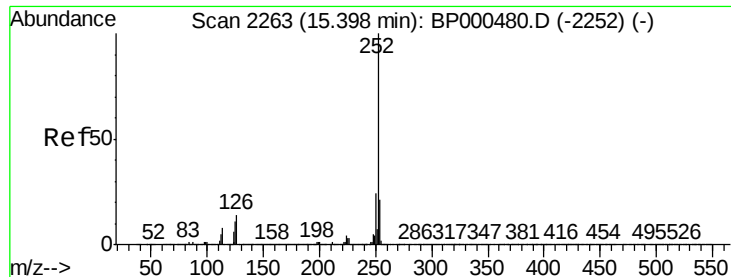


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

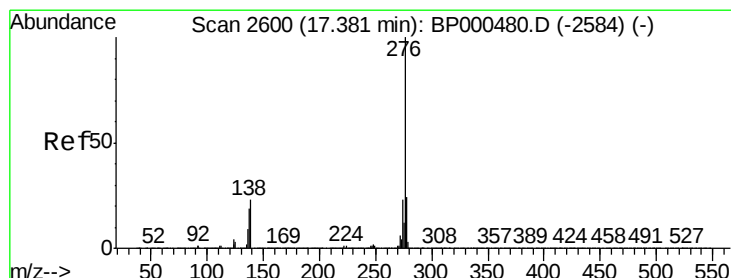
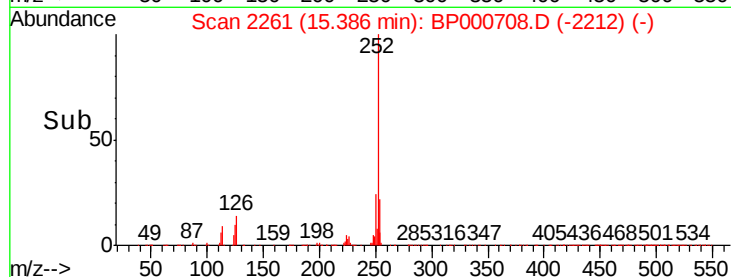
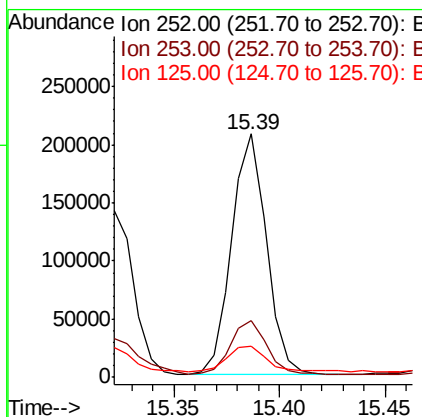
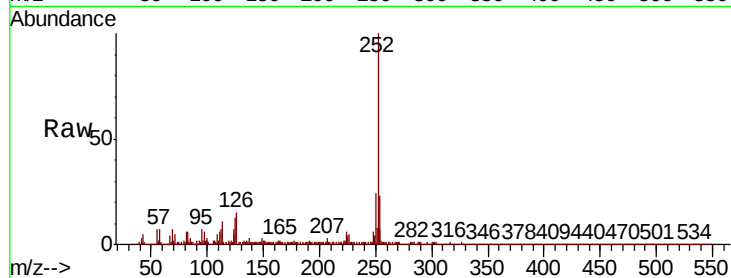




#90
Benzo(a)pyrene
Concen: 5.960 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000708.D
Acq: 14 Oct 2019 14:17

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

