

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\
 Data File : BP000523.D
 Acq On : 04 Oct 2019 21:37
 Operator : JU
 Sample : K5140-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 04 23:43:23 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	6.77	152	207672	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	584310	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	380383	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	726347	20.00	ng	0.00
76) Chrysene-d12	13.98	240	662762	20.00	ng	0.00
87) Perylene-d12	15.47	264	673107	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	994808	77.00	ng	0.00
7) Phenol-d6	6.41	99	1223830	78.61	ng	0.00
23) Nitrobenzene-d5	7.33	82	672367	70.28	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	350650	86.51	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1349129	57.39	ng	0.00
79) Terphenyl-d14	12.92	244	1750447	53.48	ng	0.00

Target Compounds

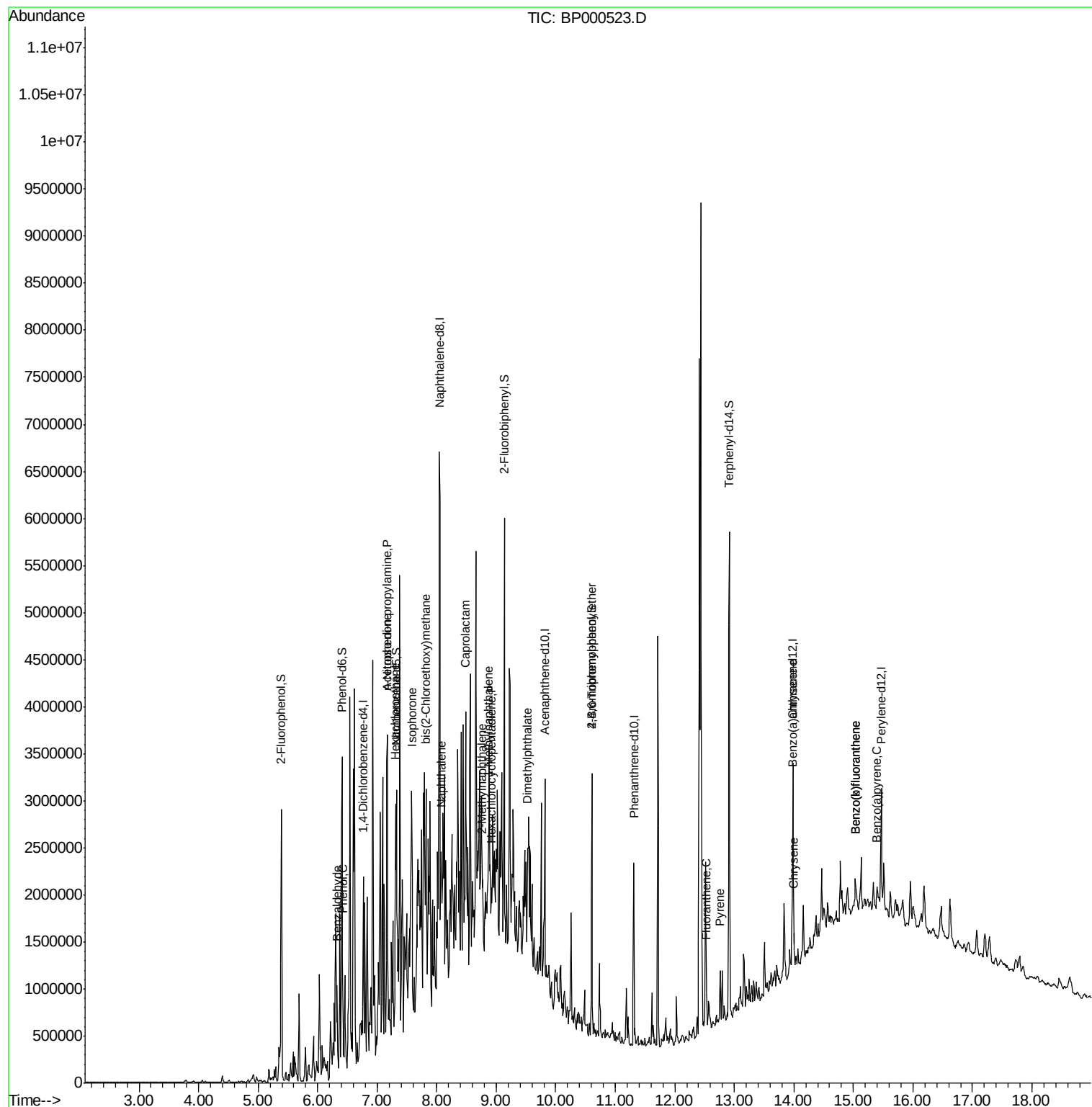
						Qvalue
9) Benzaldehyde	6.33	77	23639	2.915	ng	# 1
10) Phenol	6.42	94	41230	2.587	ng	# 97
18) Hexachloroethane	7.30	117	117858	21.292	ng	# 1
19) n-Nitroso-di-n-propylamine	7.16	70	29755	4.146	ng	# 46
22) Acetophenone	7.17	105	315983	23.404	ng	# 49
25) Isophorone	7.58	82	108180	6.371	ng	# 1
28) bis(2-Chloroethoxy)methane	7.82	93	24956	2.163	ng	# 1
31) Naphthalene	8.07	128	157338	5.766	ng	# 83
35) Caprolactam	8.49	113	69532	24.684	ng	# 17
37) 2-Methylnaphthalene	8.77	142	177557	9.692	ng	# 96
38) 1-Methylnaphthalene	8.87	142	108776	6.284	ng	# 95
41) Hexachlorocyclopentadiene	8.92	237	16	7.300	ng	# 86
50) Dimethylphthalate	9.53	163	170136	6.437	ng	# 93
67) 4-Bromophenyl-phenylether	10.60	248	23538	2.879	ng	# 1
75) Fluoranthene	12.53	202	141381	3.451	ng	# 100
78) Pyrene	12.76	202	212986	4.659	ng	# 98
81) Benzo(a)anthracene	13.97	228	106590	2.636	ng	# 81
83) Chrysene	14.00	228	137765	3.471	ng	# 84
88) Benzo(b)fluoranthene	15.03	252	180677	4.731	ng	# 73
89) Benzo(k)fluoranthene	15.03	252	180677	4.970	ng	# 75
90) Benzo(a)pyrene	15.40	252	100446	2.822	ng	# 71

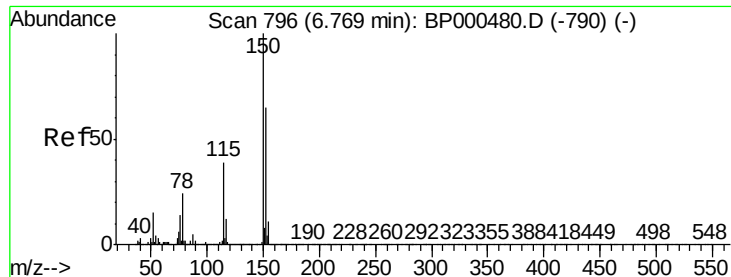
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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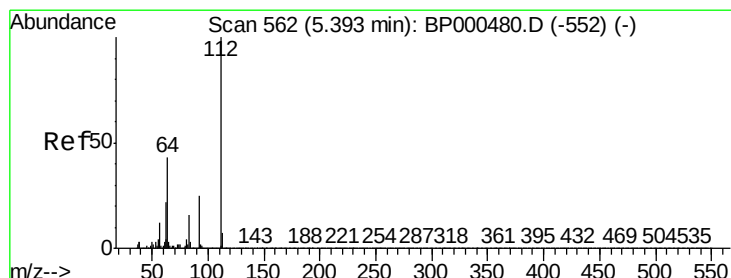
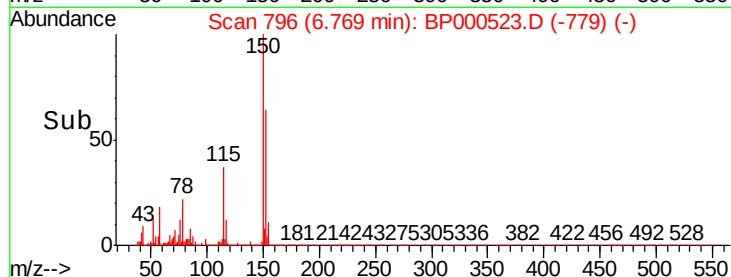
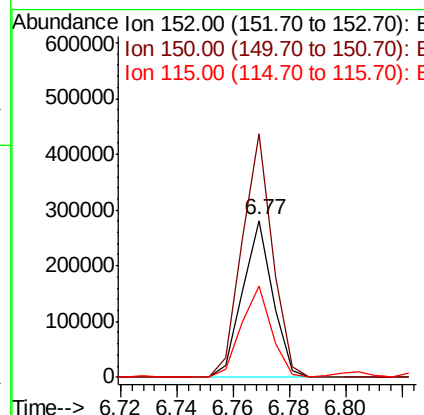
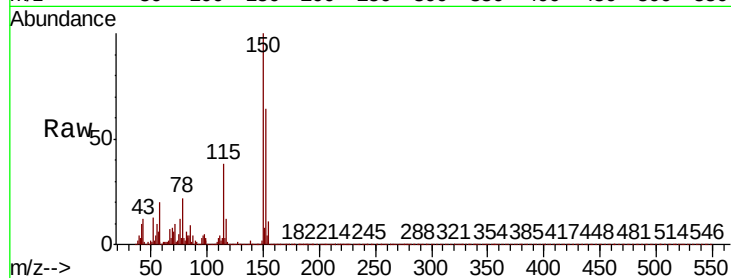


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Instrument :
BNA_P
ClientSampled :

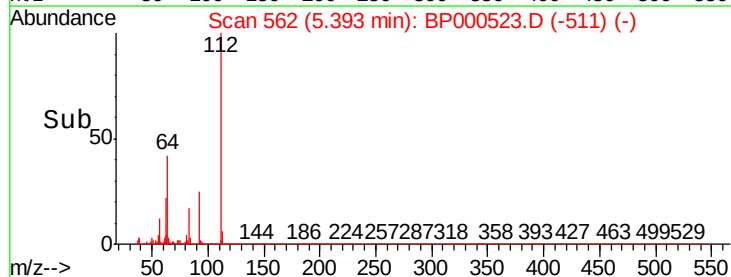
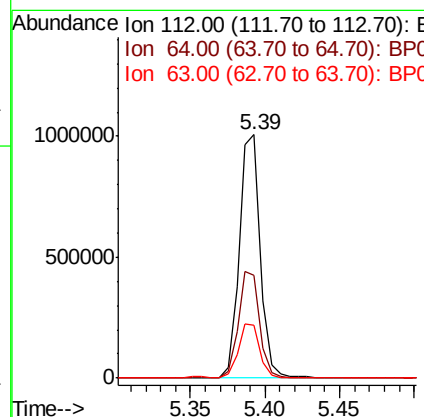
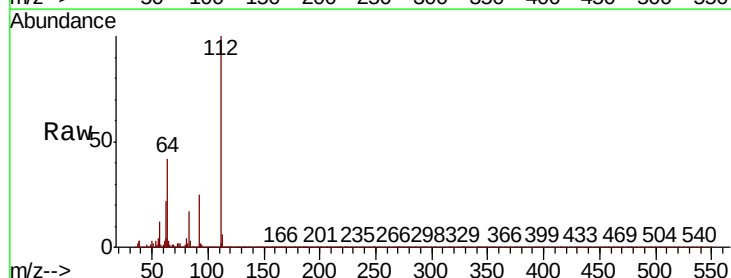
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.1	186.1
115	58.3	48.7	73.1

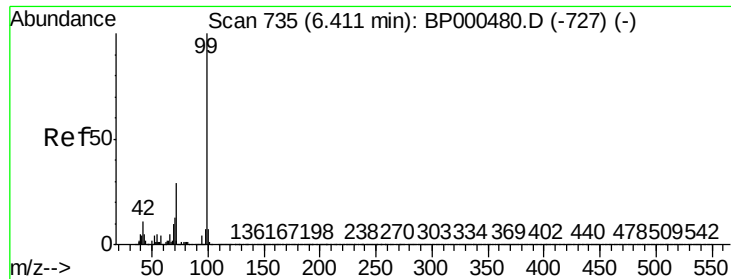


#5

2-Fluorophenol
Concen: 77.001 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.00 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.0	34.2	51.4
63	21.7	17.9	26.9





#7

Phenol-d6

Concen: 78.610 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.00 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

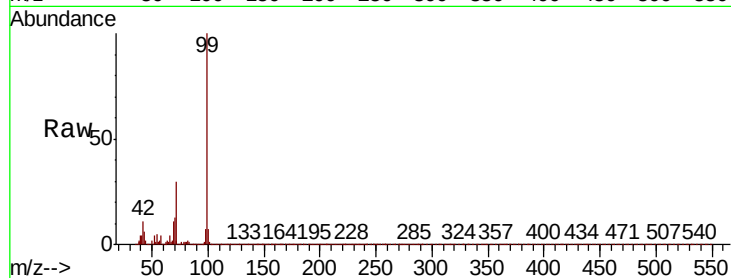
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1223830

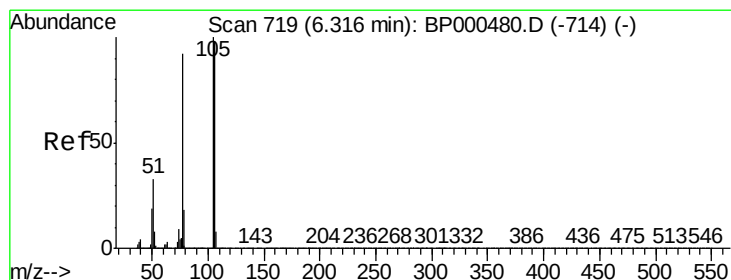
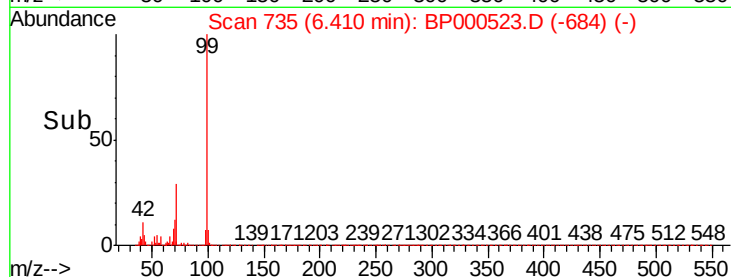
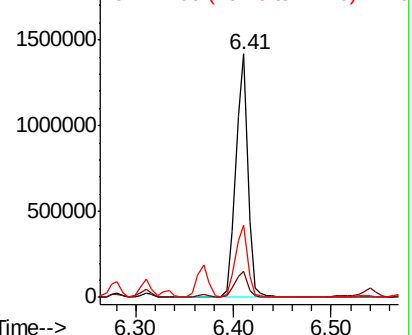
Ion	Ratio	Lower	Upper
99	100		
42	10.8	8.6	12.8
71	29.7	23.0	34.4



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: 2.915 ng

RT: 6.33 min Scan# 721

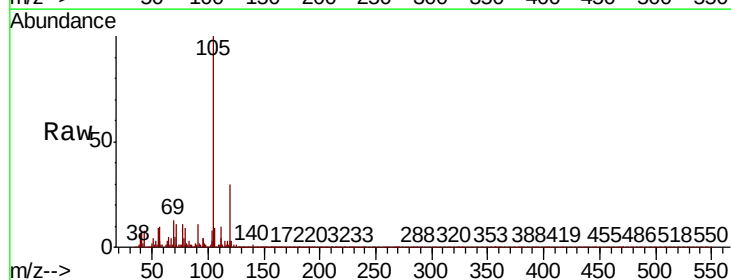
Delta R.T. 0.01 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

Tgt Ion: 77 Resp: 23639

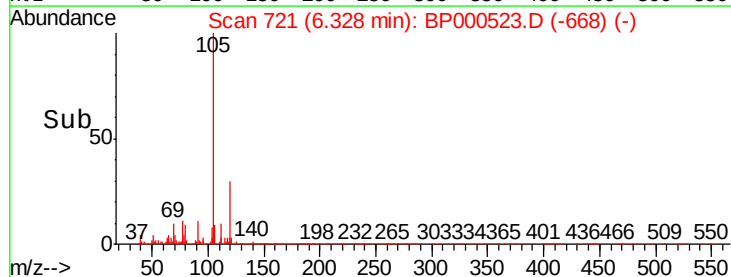
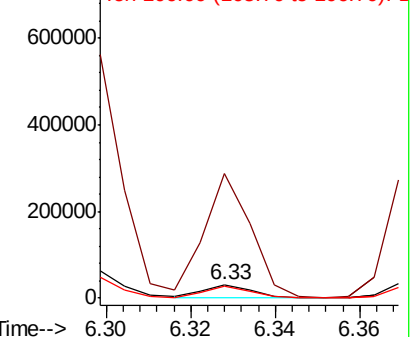
Ion	Ratio	Lower	Upper
77	100		
105	910.9	88.3	128.3#
106	83.8	85.7	125.7#

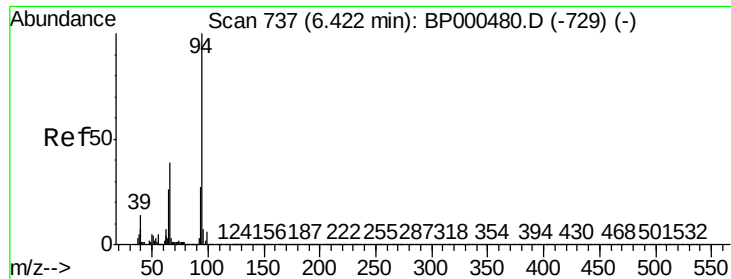


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

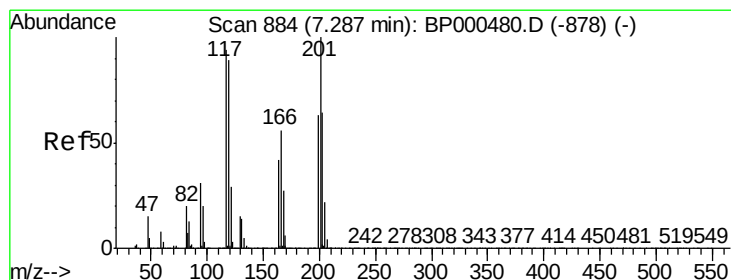
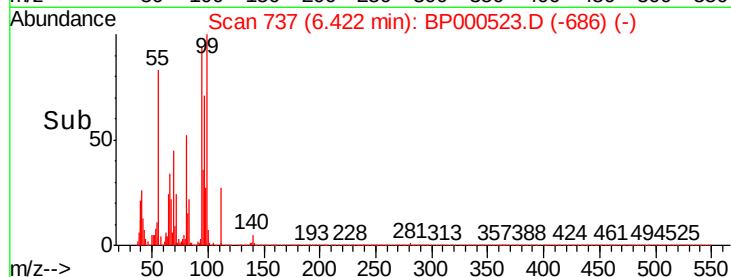
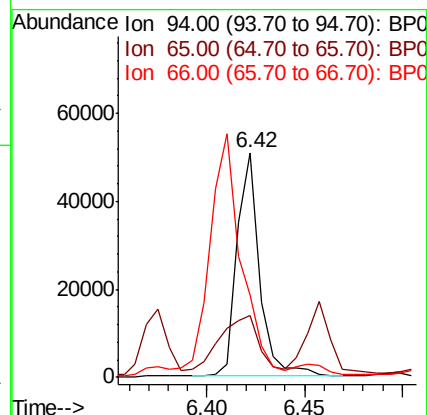
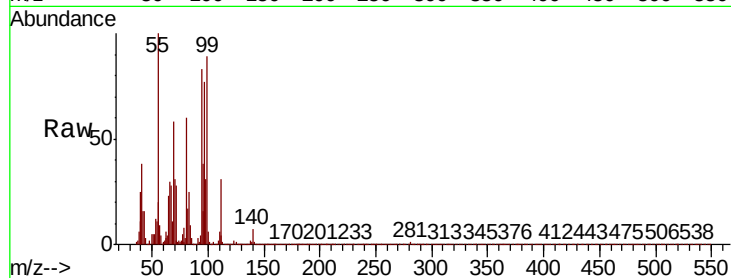




#10
Phenol
Concen: 2.587 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.00 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

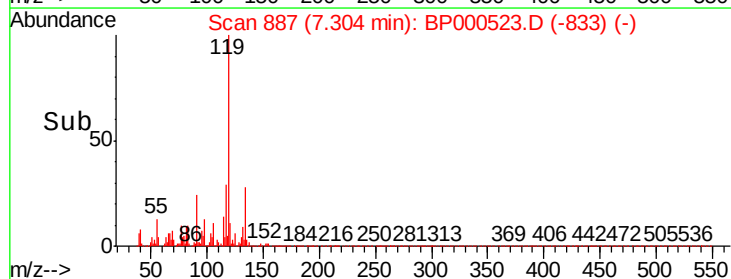
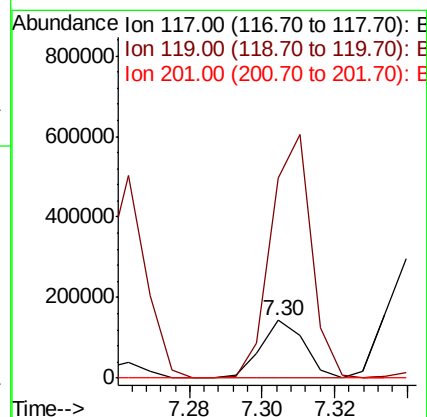
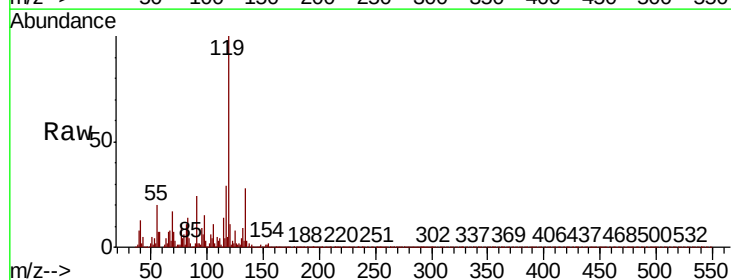
Instrument :
BNA_P
ClientSampleId :

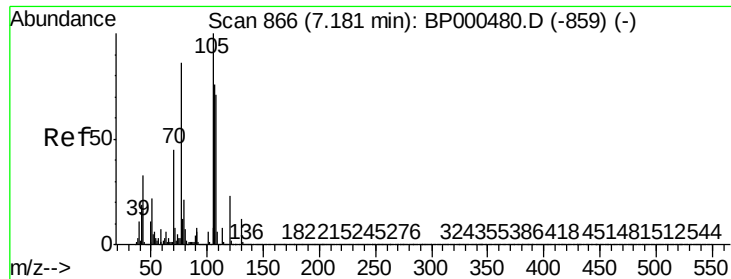
Tot Ion: 94 Resp: 41230
Ion Ratio Lower Upper
94 100
65 27.4 5.9 45.9
66 36.8 18.8 58.8



#18
Hexachloroethane
Concen: 21.292 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.02 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion: 117 Resp: 117858
Ion Ratio Lower Upper
117 100
119 346.5 76.3 114.5#
201 0.0 85.4 128.0#

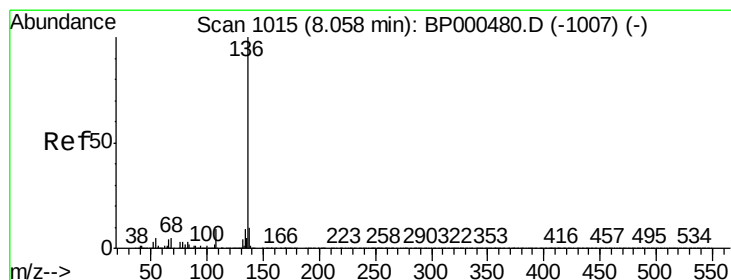
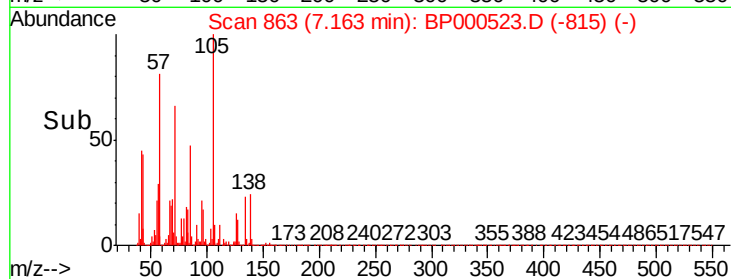
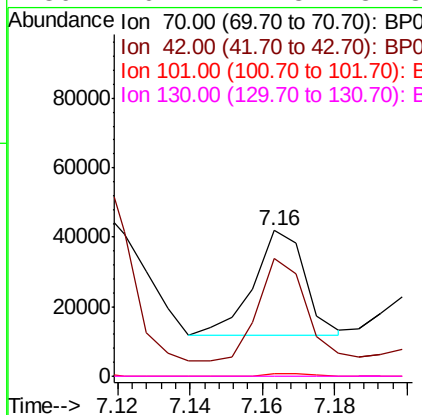
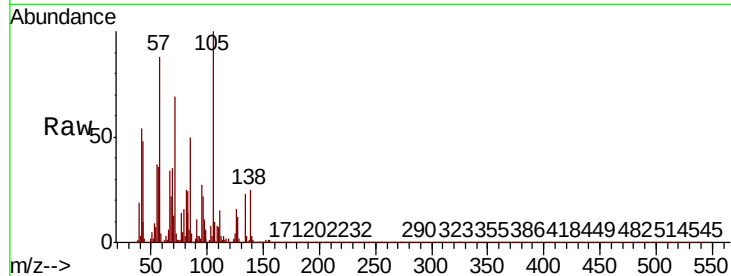




#19
n-Nitroso-di-n-propylamine
Concen: 4.146 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.02 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

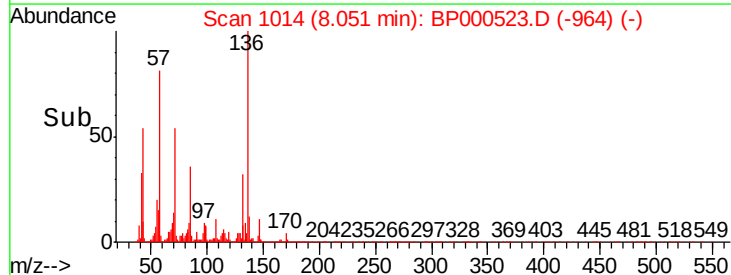
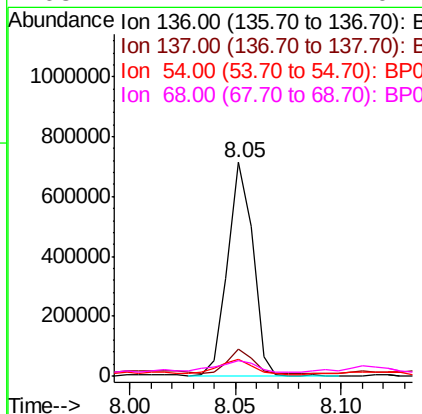
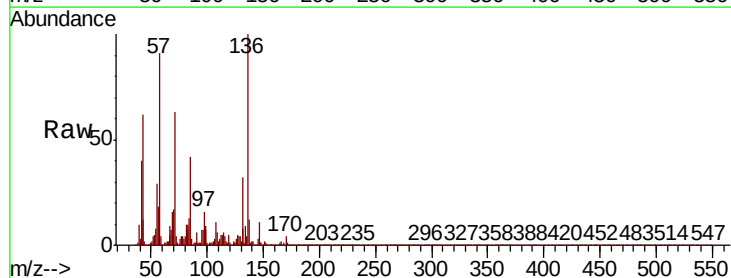
Instrument :
BNA_P
ClientSampled :

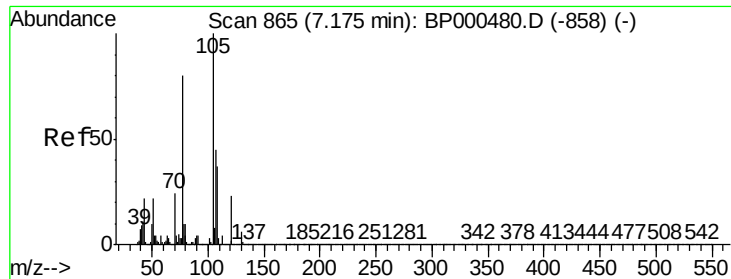
Tot Ion:	70	Resp:	29755
Ion Ratio	Lower	Upper	
70	100		
42	81.1	33.2	49.8#
101	1.4	9.9	14.9#
130	0.2	21.8	32.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion:	136	Resp:	584310
Ion Ratio	Lower	Upper	
136	100		
137	12.3	8.2	12.4
54	7.8	4.1	6.1#
68	7.2	4.1	6.1#

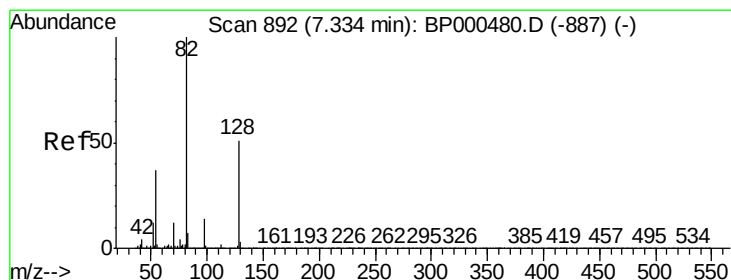
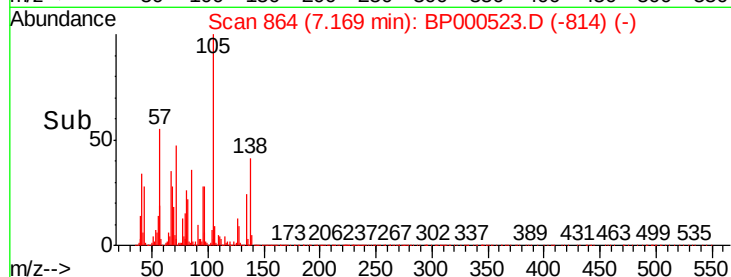
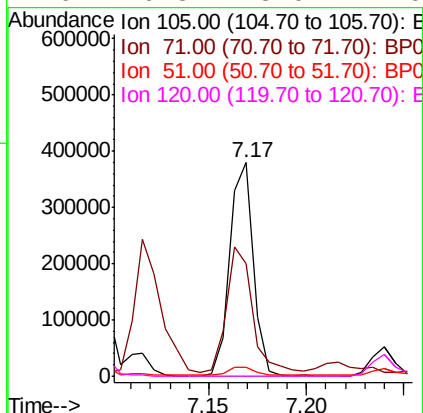
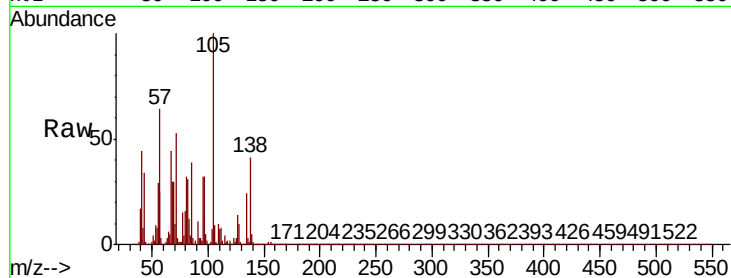




#22
Acetophenone
Concen: 23.404 ng
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

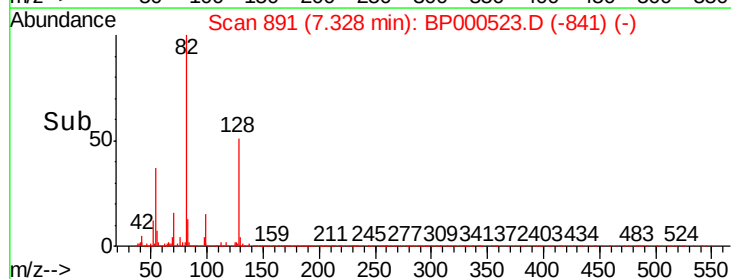
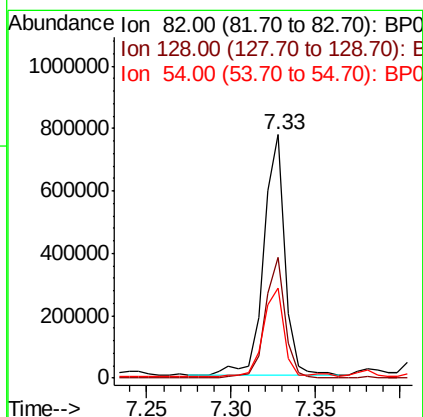
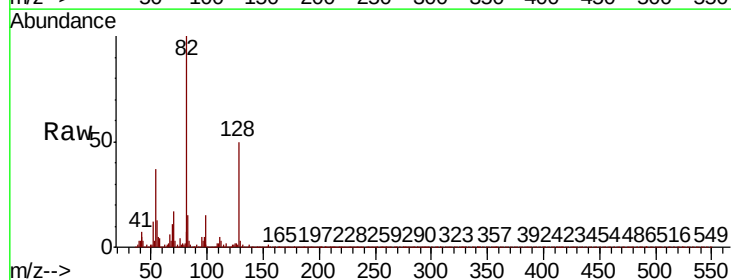
Instrument :
BNA_P
ClientSampleID :

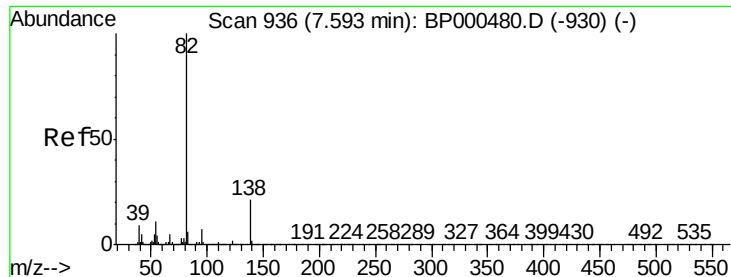
Tot Ion:105 Resp: 315983
Ion Ratio Lower Upper
105 100
71 52.9 3.3 4.9#
51 4.4 17.4 26.2#
120 0.3 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 70.280 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion: 82 Resp: 672367
Ion Ratio Lower Upper
82 100
128 49.8 40.9 61.3
54 37.0 29.4 44.2





#25

Isophorone

Concen: 6.371 ng

RT: 7.58 min Scan# 934

Delta R.T. -0.01 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

Instrument :

BNA_P

ClientSampleId :

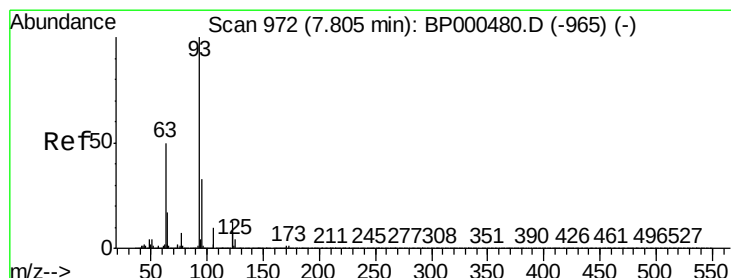
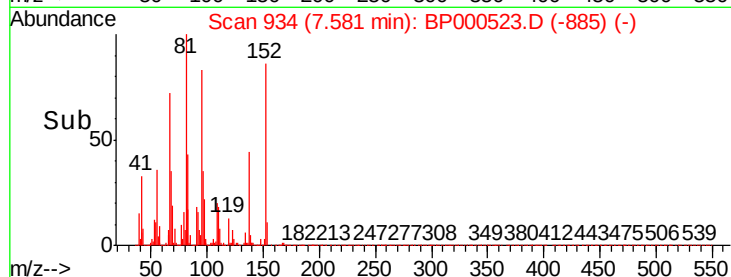
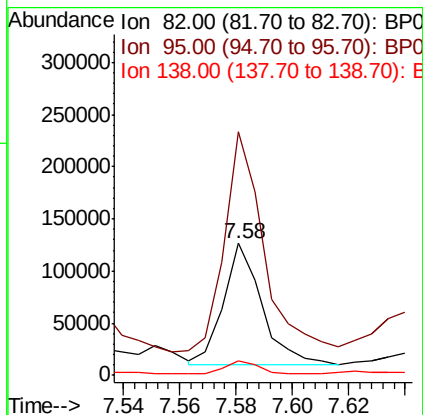
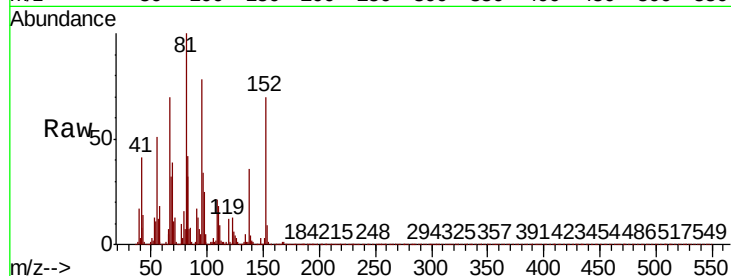
Tot Ion: 82 Resp: 108180

Ion Ratio Lower Upper

82 100

95 184.6 5.8 8.6#

138 10.5 17.0 25.4#



#28

bis(2-Chloroethoxy)methane

Concen: 2.163 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.01 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

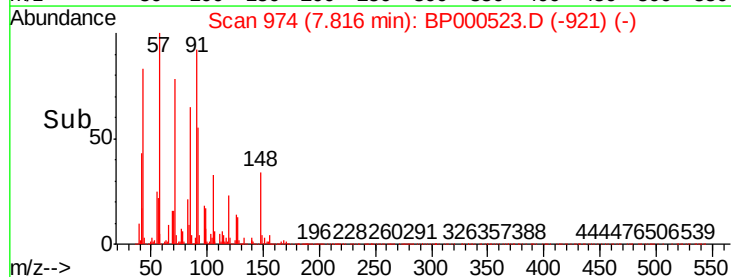
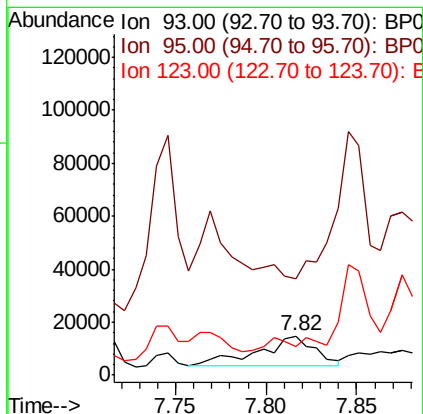
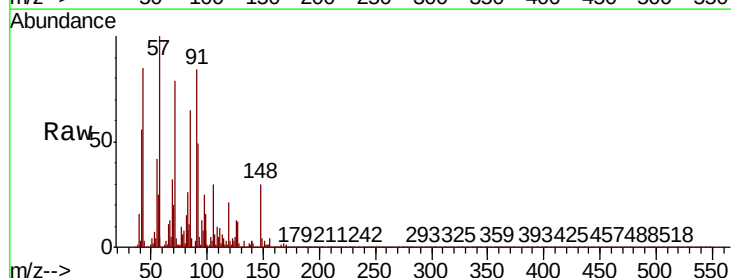
Tgt Ion: 93 Resp: 24956

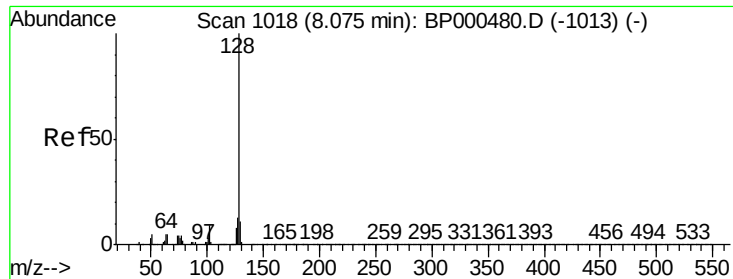
Ion Ratio Lower Upper

93 100

95 245.8 26.2 39.2#

123 71.3 10.2 15.2#

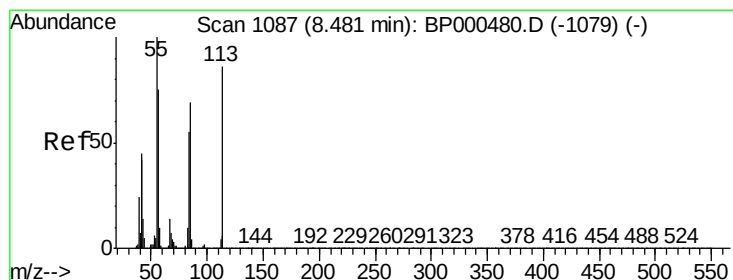
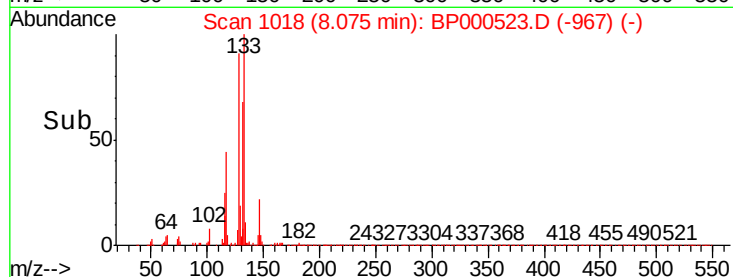
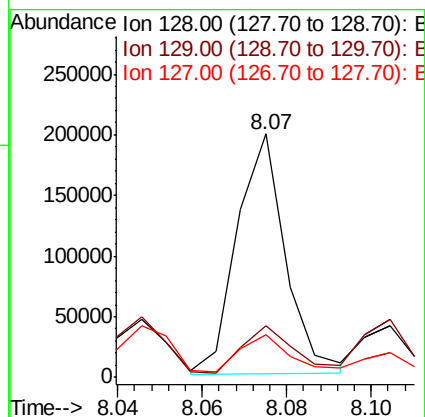
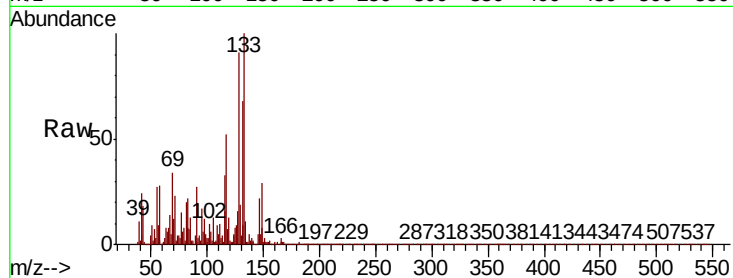




#31
Naphthalene
Concen: 5.766 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

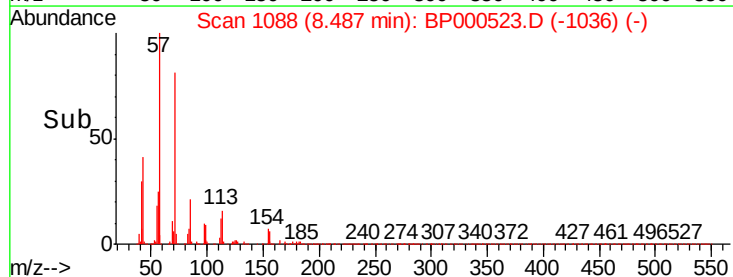
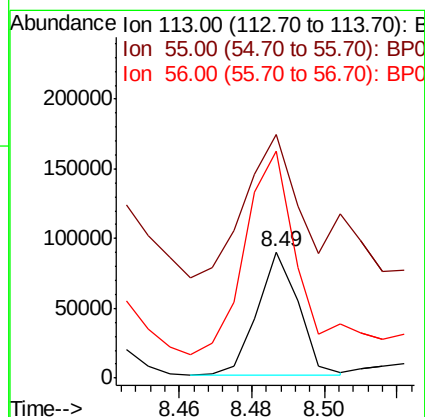
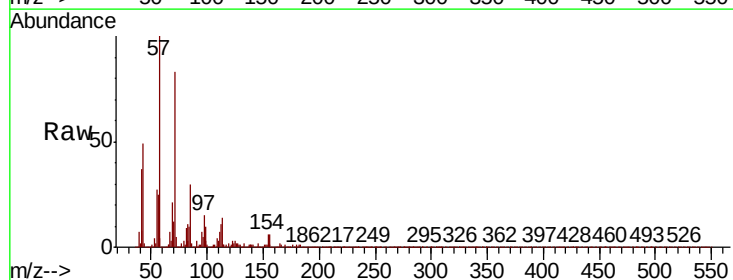
Instrument :
BNA_P
ClientSampleId :

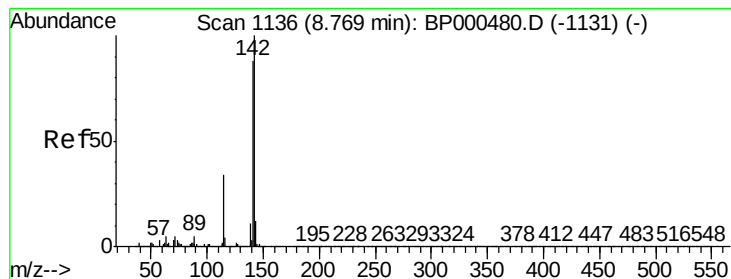
Tot Ion:128 Resp: 157338
Ion Ratio Lower Upper
128 100
129 21.0 9.0 13.6#
127 17.4 10.5 15.7#



#35
Caprolactam
Concen: 24.684 ng
RT: 8.49 min Scan# 1088
Delta R.T. 0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion:113 Resp: 69532
Ion Ratio Lower Upper
113 100
55 192.7 95.9 135.9#
56 179.4 67.2 107.2#





#37

2-Methylnaphthalene

Concen: 9.692 ng

RT: 8.77 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

Instrument :

BNA_P

ClientSampleId :

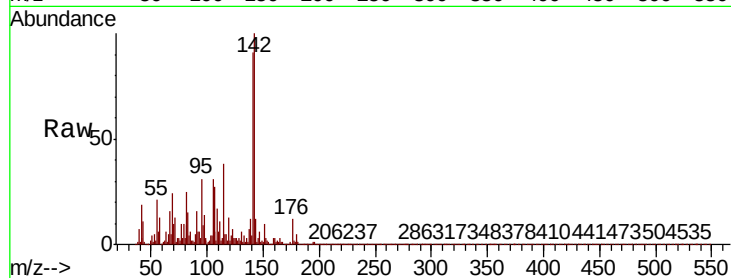
Tot Ion:142 Resp: 177557

Ion Ratio Lower Upper

142 100

141 90.7 70.6 106.0

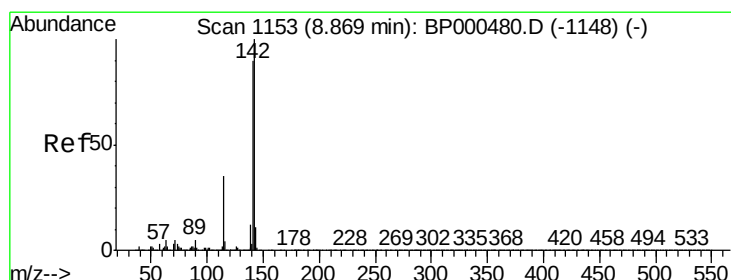
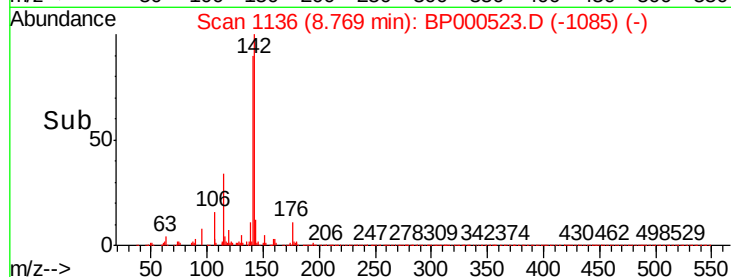
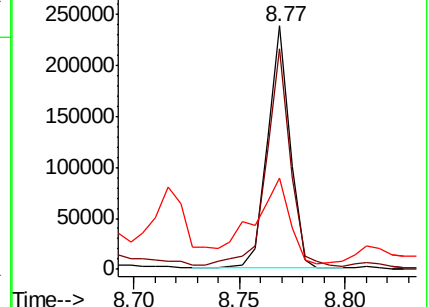
115 37.7 27.4 41.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 6.284 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

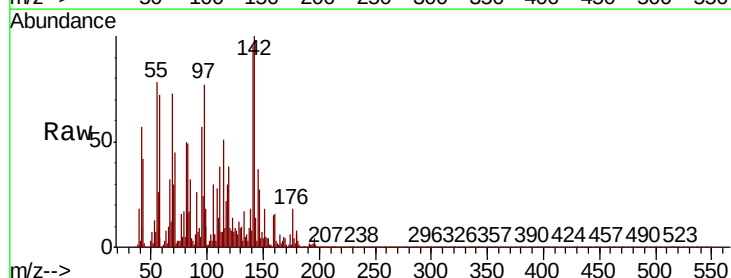
Tgt Ion:142 Resp: 108776

Ion Ratio Lower Upper

142 100

141 94.6 71.9 107.9

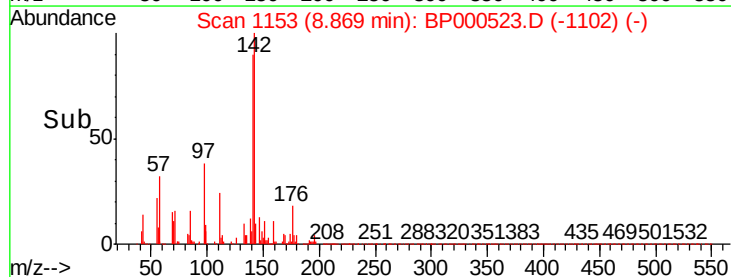
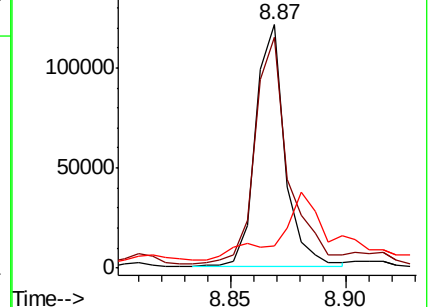
116 8.9 3.0 4.4#

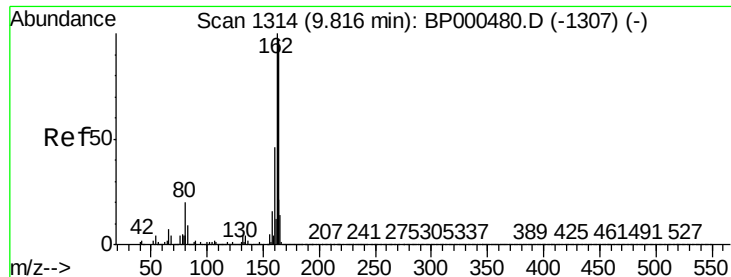


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

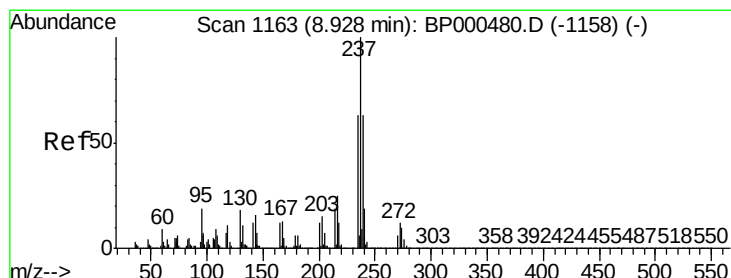
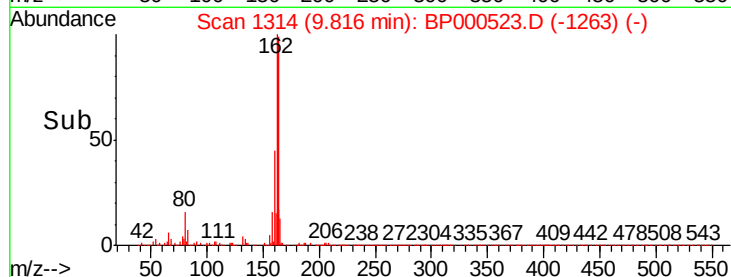
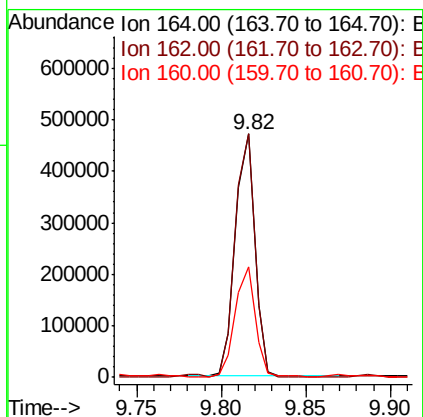
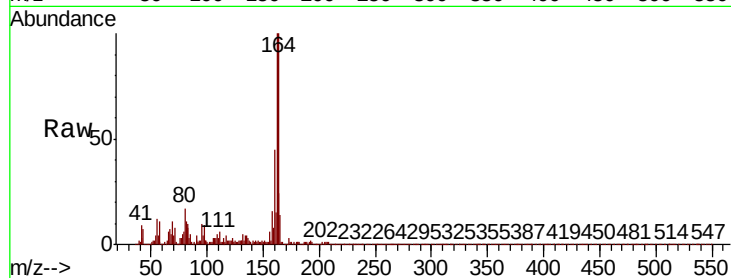




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

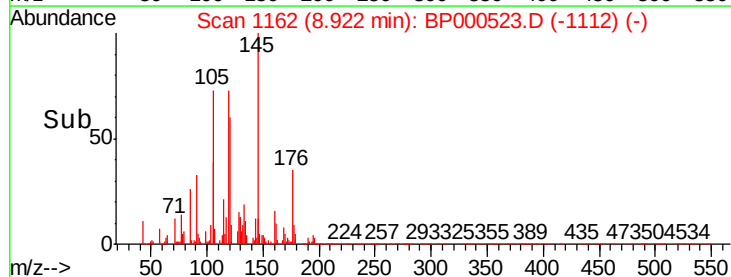
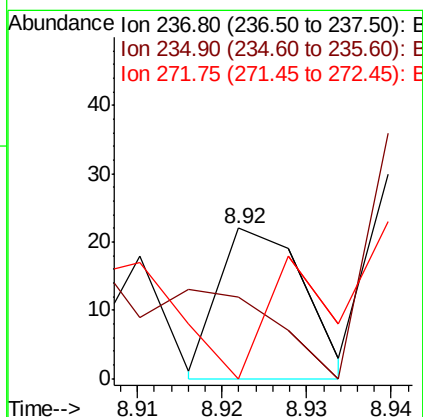
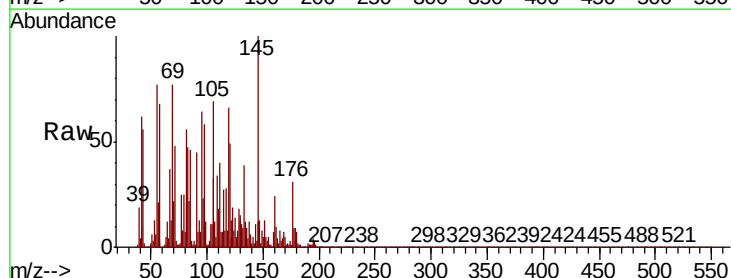
Instrument :
BNA_P
ClientSampleId :

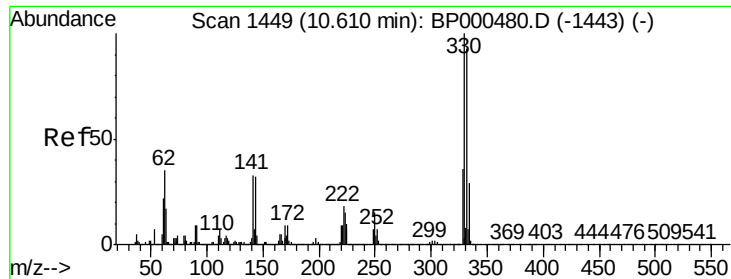
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	82.2	123.2
160	45.3	37.6	56.4



#41
Hexachlorocyclopentadiene
Concen: 7.300 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion	Ratio	Lower	Upper
237	100		
235	54.5	42.9	82.9
272	0.0	0.0	32.4

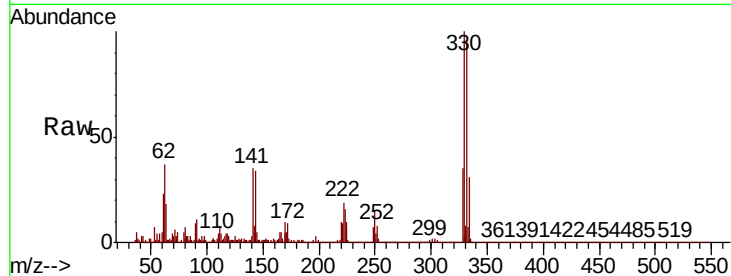




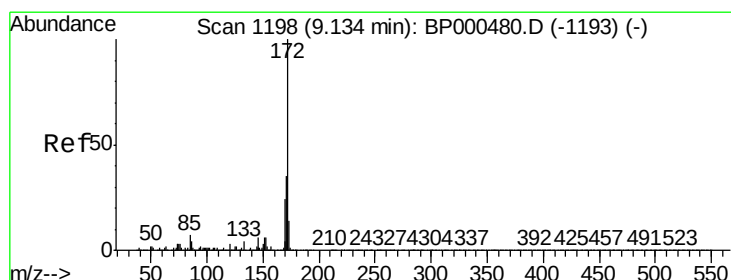
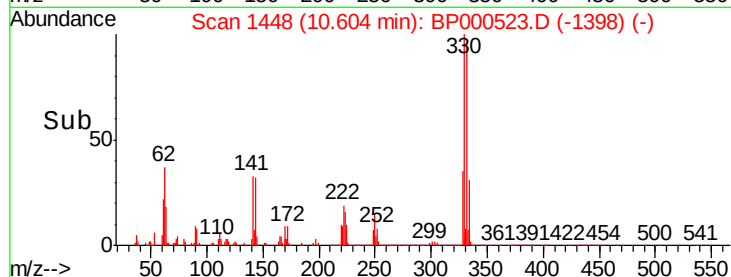
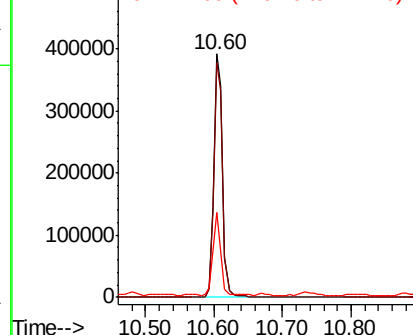
#42
2,4,6-Tribromophenol
Concen: 86.507 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Instrument :
BNA_P
ClientSampled :

Tot Ion:330 Resp: 350650
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 30.2 26.0 39.0

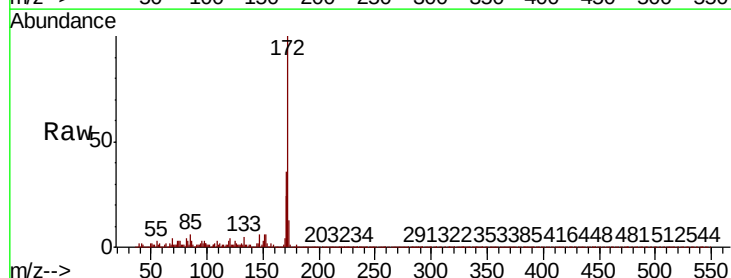


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

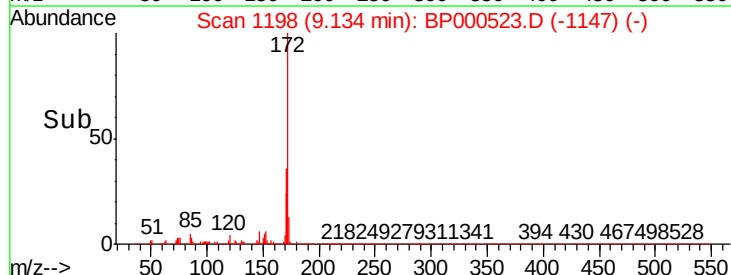
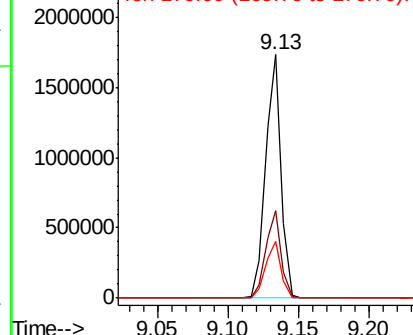


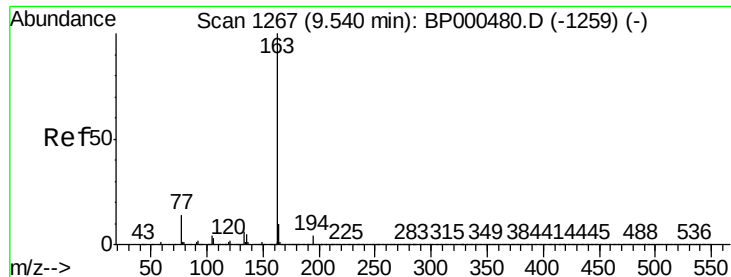
#45
2-Fluorobiphenyl
Concen: 57.386 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion:172 Resp: 1349129
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.5 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

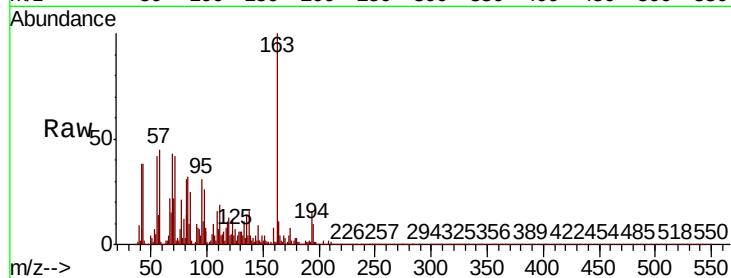




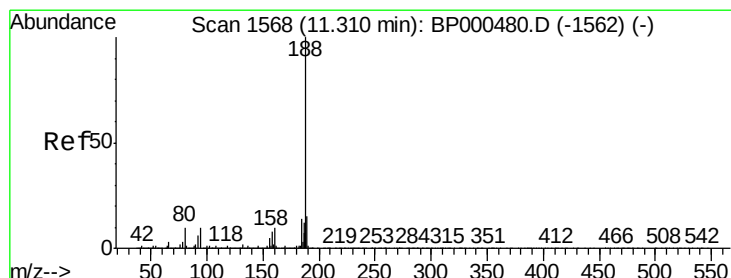
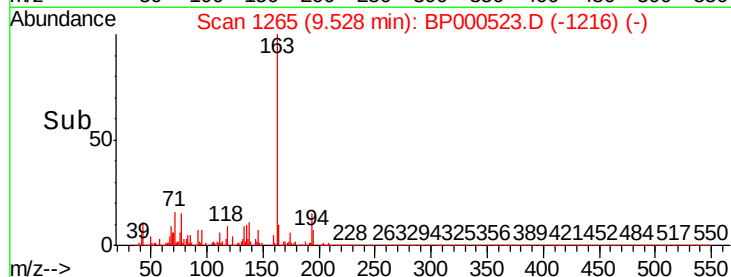
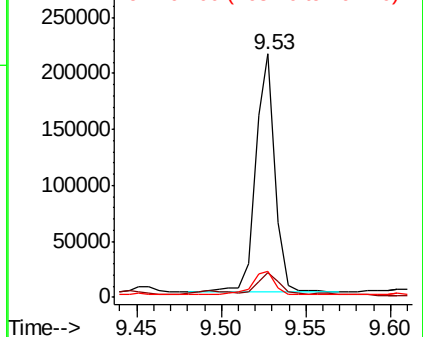
#50
Dimethylphthalate
Concen: 6.437 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Instrument :
BNA_P
ClientSampled :

Tot Ion:163 Resp: 170136
Ion Ratio Lower Upper
163 100
194 10.0 3.4 5.2#
164 10.8 8.0 12.0

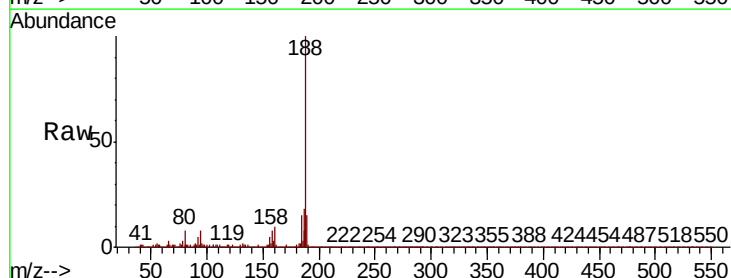


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

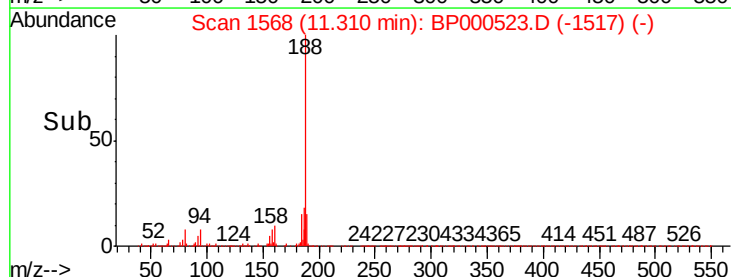
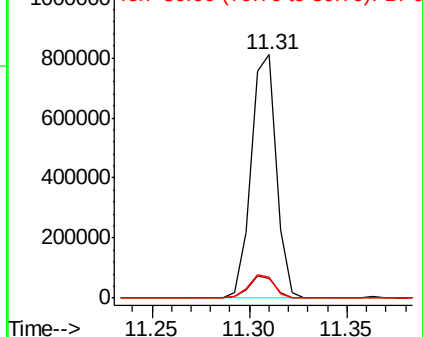


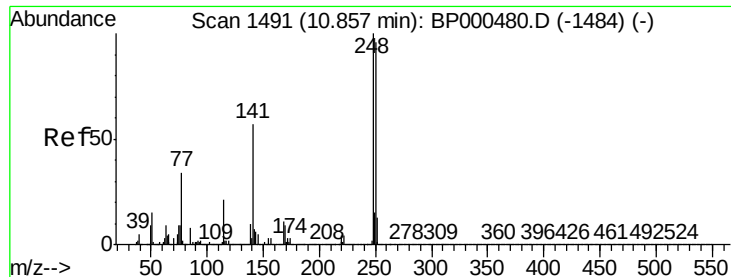
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion:188 Resp: 726347
Ion Ratio Lower Upper
188 100
94 8.2 8.2 12.2
80 8.5 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





#67

4-Bromophenyl-phenylether

Concen: 2.879 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

Instrument :

BNA_P

ClientSampleId :

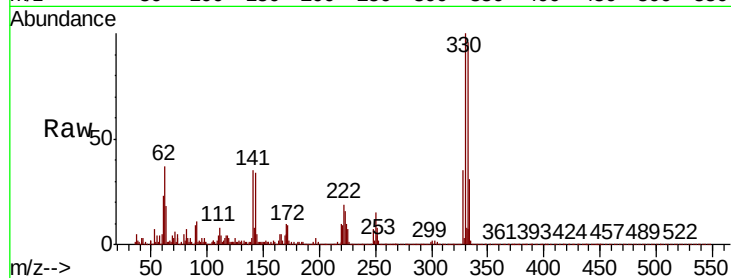
Tot Ion:248 Resp: 23538

Ion Ratio Lower Upper

248 100

250 200.9 77.2 115.8#

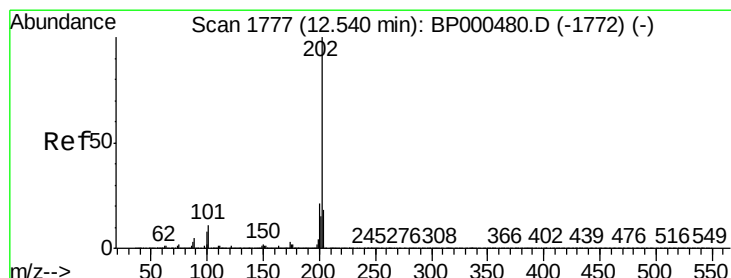
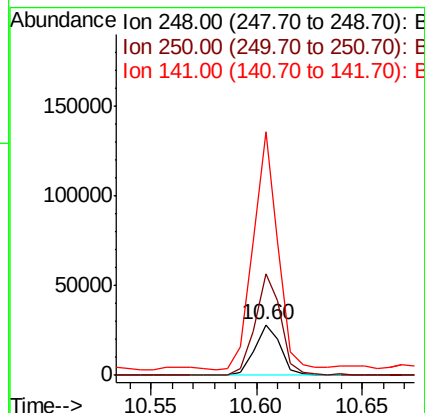
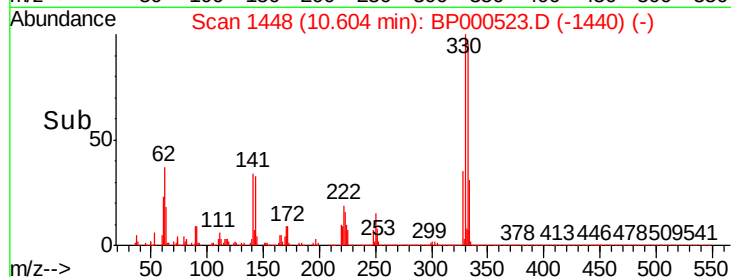
141 479.1 45.3 67.9#



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



#75

Fluoranthene

Concen: 3.451 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

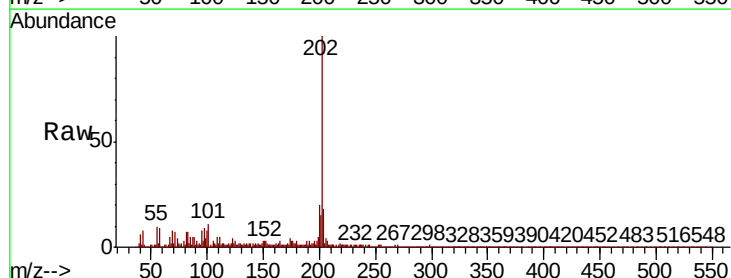
Tgt Ion:202 Resp: 141381

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.3

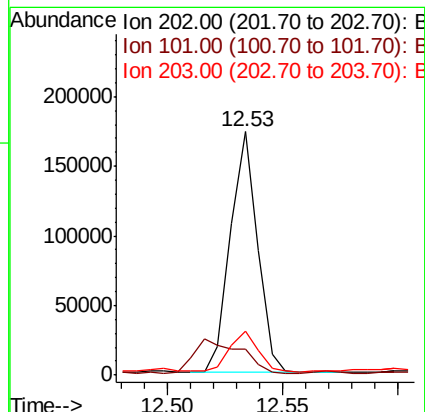
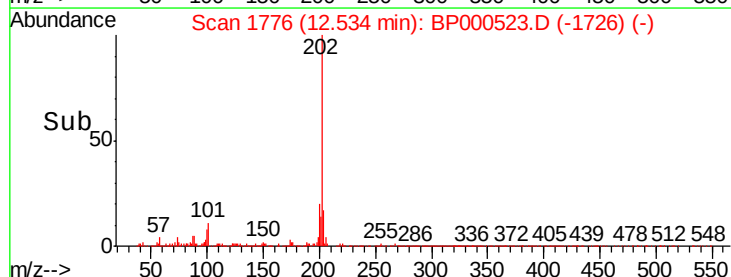
203 18.0 0.0 38.1

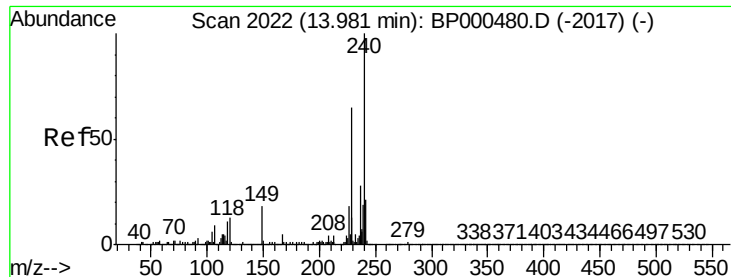


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

Instrument :

BNA_P

ClientSampleId :

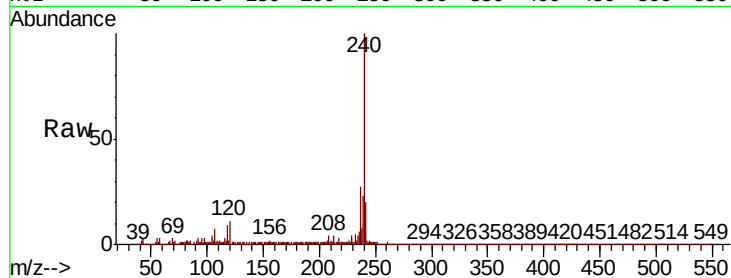
Tot Ion:240 Resp: 662762

Ion Ratio Lower Upper

240 100

120 10.6 10.1 15.1

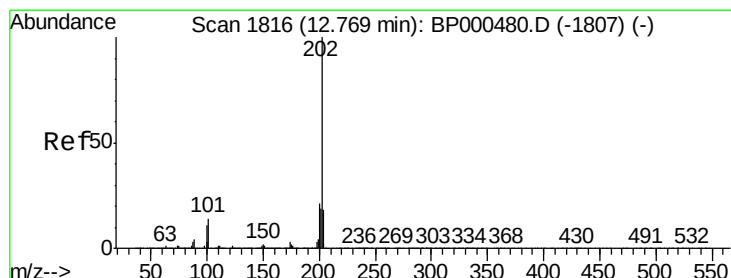
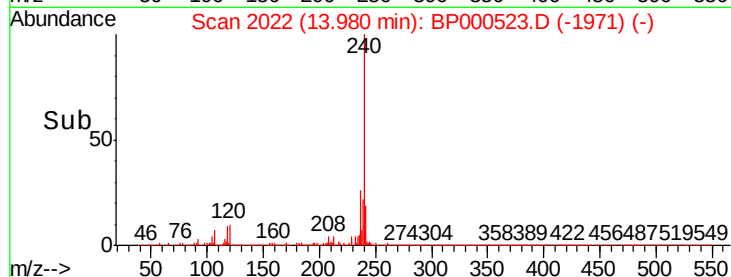
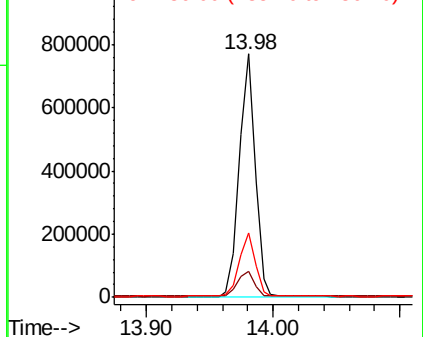
236 26.7 22.7 34.1



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

Pyrene

Concen: 4.659 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

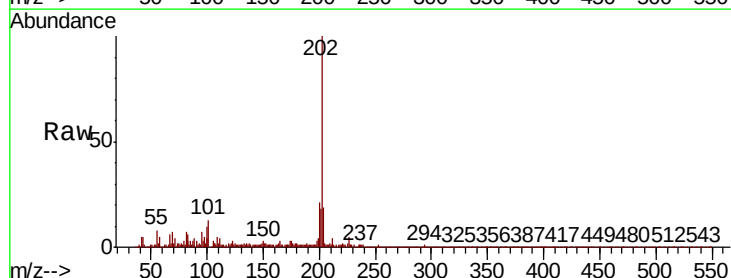
Tgt Ion:202 Resp: 212986

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

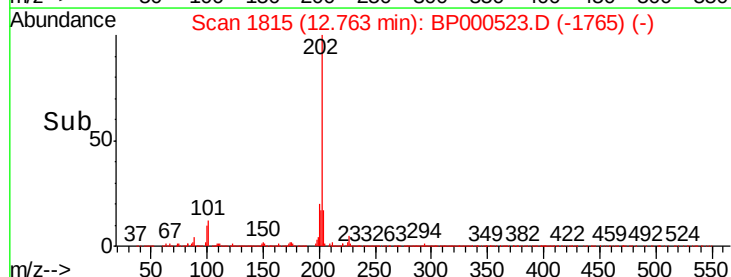
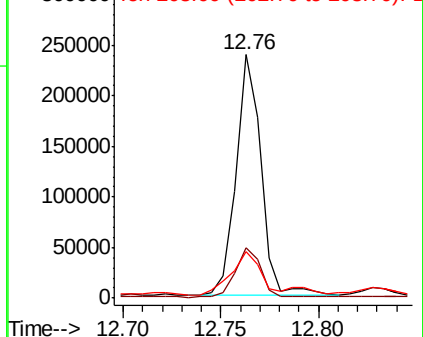
203 18.9 14.6 21.8

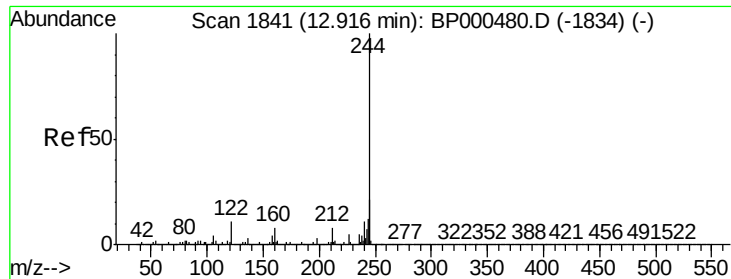


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 53.476 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

Instrument :

BNA_P

ClientSampleId :

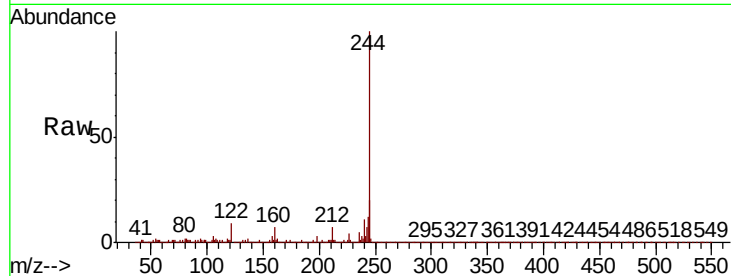
Tot Ion:244 Resp: 1750447

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

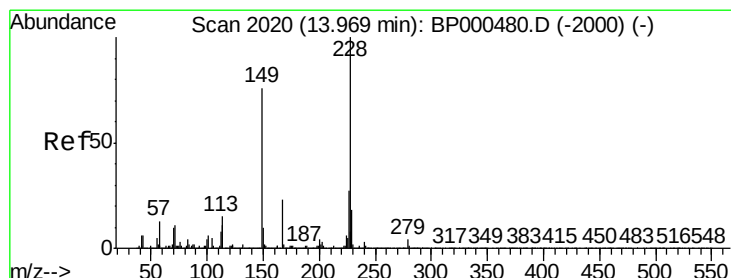
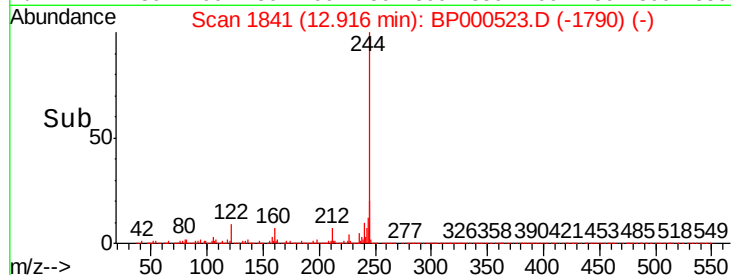
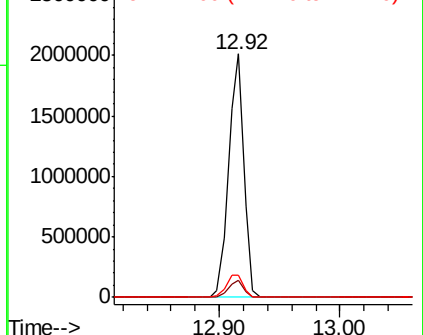
122 9.4 8.9 13.3



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: 2.636 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

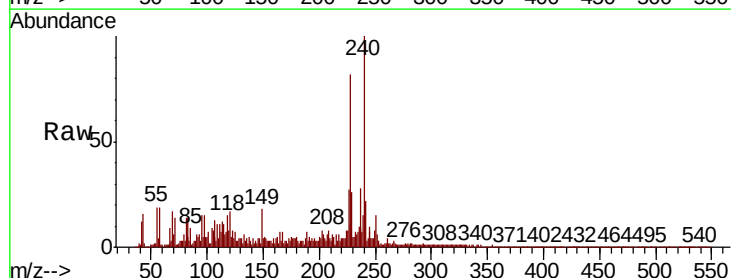
Tgt Ion:228 Resp: 106590

Ion Ratio Lower Upper

228 100

226 32.6 21.4 32.2#

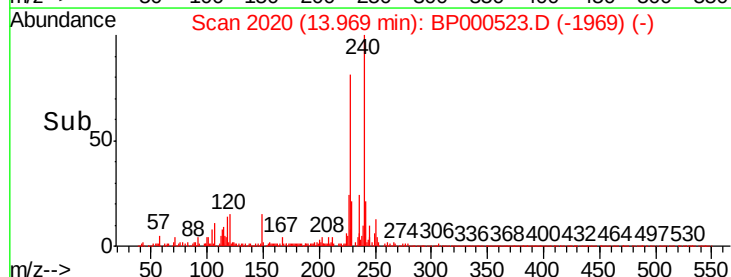
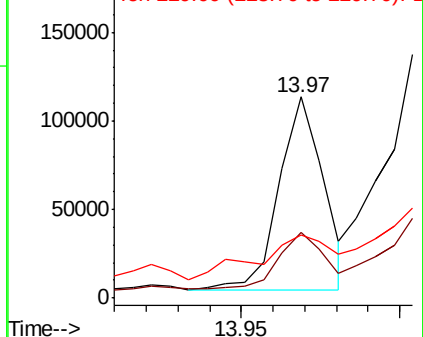
229 31.6 14.7 22.1#

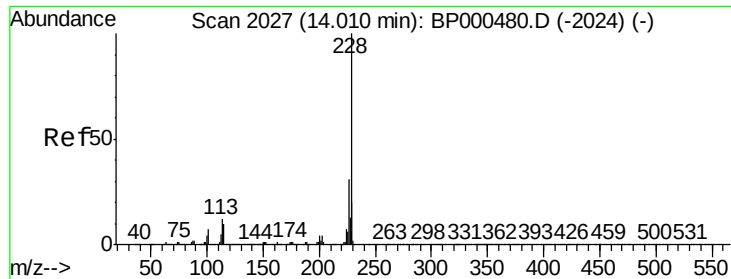


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

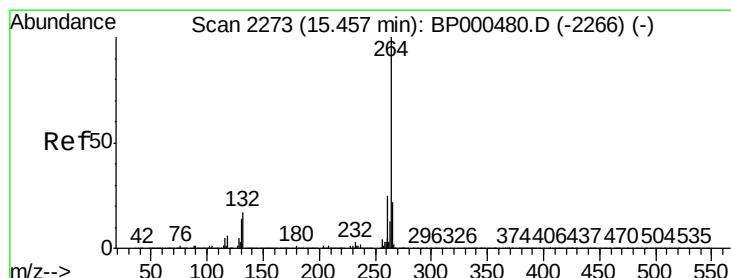
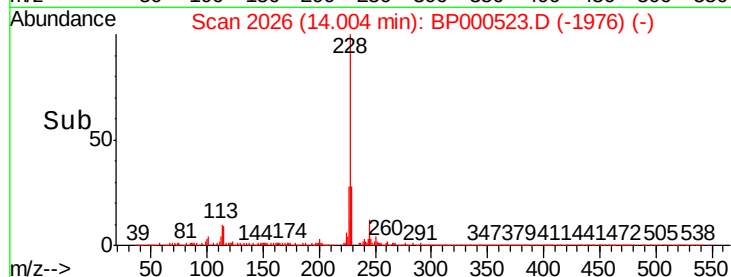
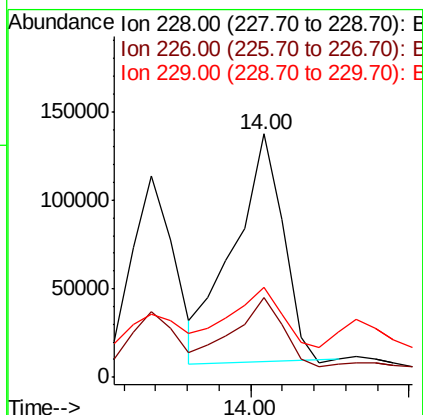
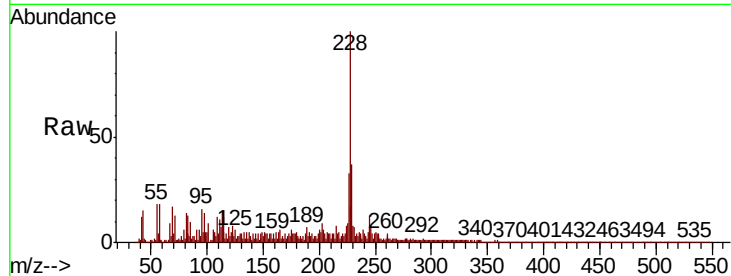




#83
Chrysene
Concen: 3.471 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

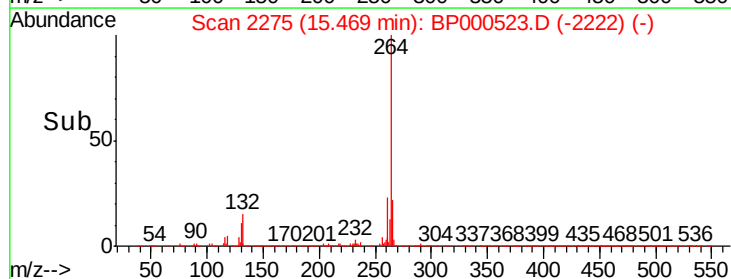
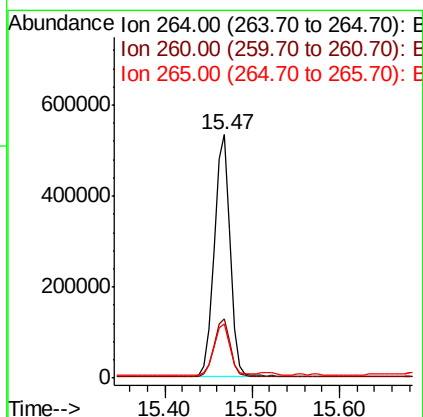
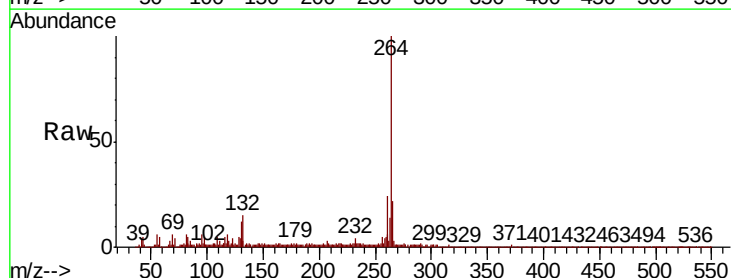
Instrument :
BNA_P
ClientSampleId :

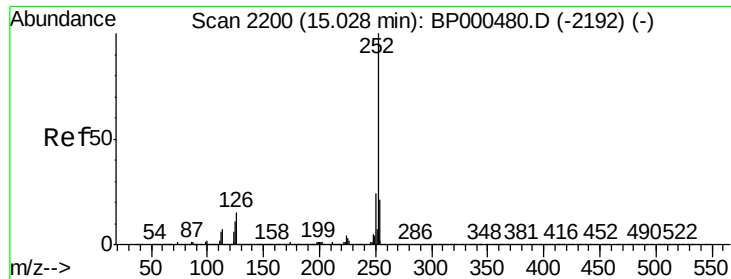
Tot Ion:228 Resp: 137765
Ion Ratio Lower Upper
228 100
226 32.8 24.7 37.1
229 37.1 16.3 24.5#



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion:264 Resp: 673107
Ion Ratio Lower Upper
264 100
260 24.1 20.3 30.5
265 22.4 18.0 27.0

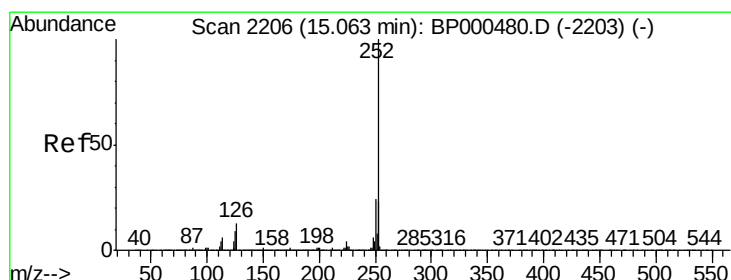
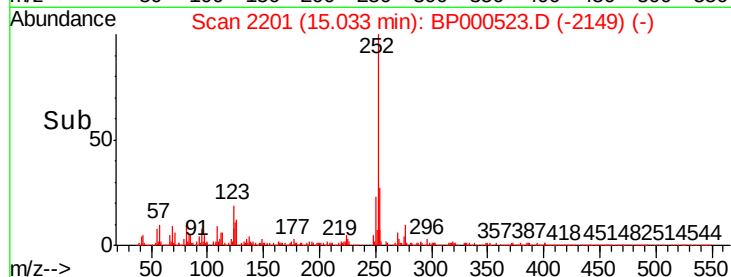
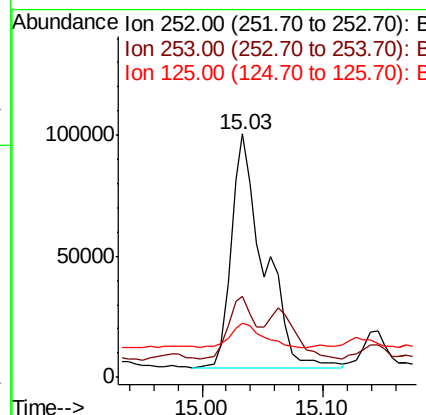
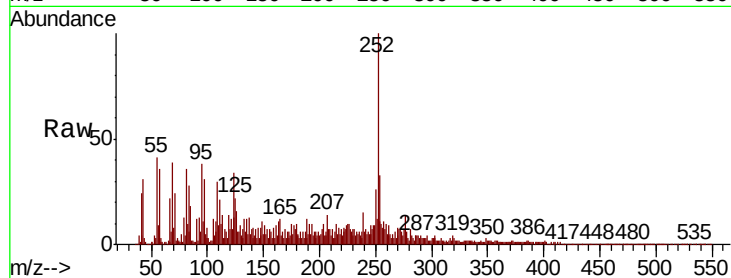




#88
Benzo(b)fluoranthene
Concen: 4.731 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

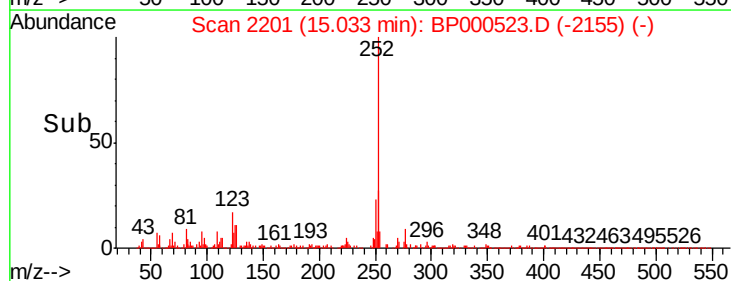
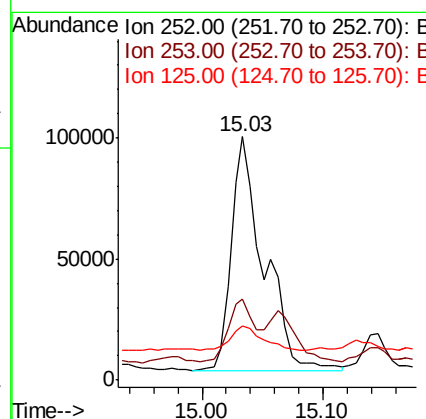
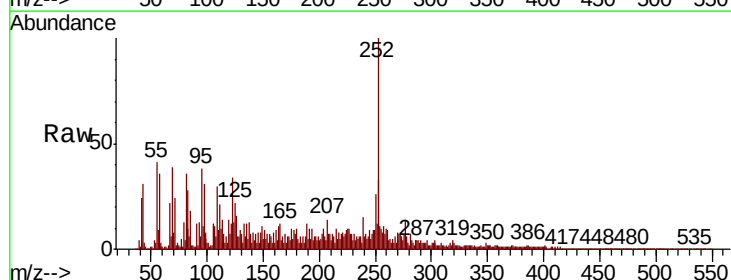
Instrument :
BNA_P
ClientSampled :

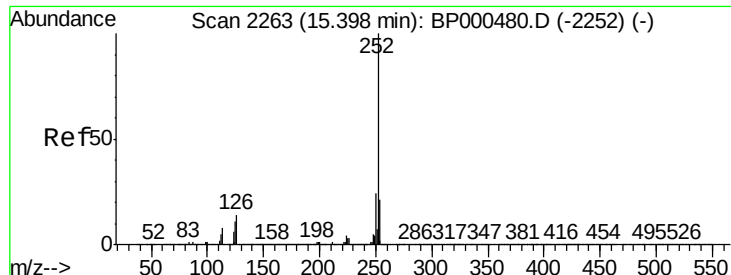
Tot Ion	Ratio	Lower	Upper
252	100		
253	33.4	17.0	25.4#
125	22.3	8.9	13.3#



#89
Benzo(k)fluoranthene
Concen: 4.970 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BP000523.D
Acq: 04 Oct 2019 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.4	18.4	27.6#
125	22.3	7.8	11.8#





#90

Benzo(a)pyrene

Concen: 2.822 ng

RT: 15.40 min Scan# 2263

Delta R.T. -0.00 min

Lab File: BP000523.D

Acq: 04 Oct 2019 21:37

Instrument :

BNA_P

ClientSampleId :

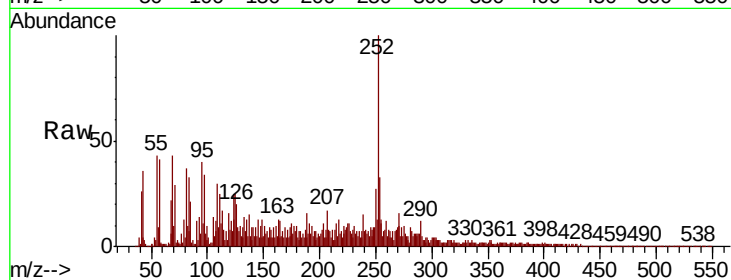
Tot Ion: 252 Resp: 100446

Ion Ratio Lower Upper

252 100

253 33.1 17.0 25.6#

125 24.6 8.4 12.6#



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

