

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
 Data File : BP003234.D
 Acq On : 08 Sep 2020 19:12
 Operator : CG/JU
 Sample : L3877-17DL3 8X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL3

Quant Time: Sep 09 00:52:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	277131	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	995265	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	534986	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	961913	20.00	ng	0.00
76) Chrysene-d12	21.15	240	1000916	20.00	ng	0.00
86) Perylene-d12	23.38	264	1139394	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	133833	8.54	ng	0.00
7) Phenol-d6	6.84	99	158693	8.08	ng	0.00
23) Nitrobenzene-d5	8.80	82	94530	6.85	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	53060	7.33	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	230743	6.32	ng	0.00
79) Terphenyl-d14	19.62	244	256126	5.63	ng	0.00

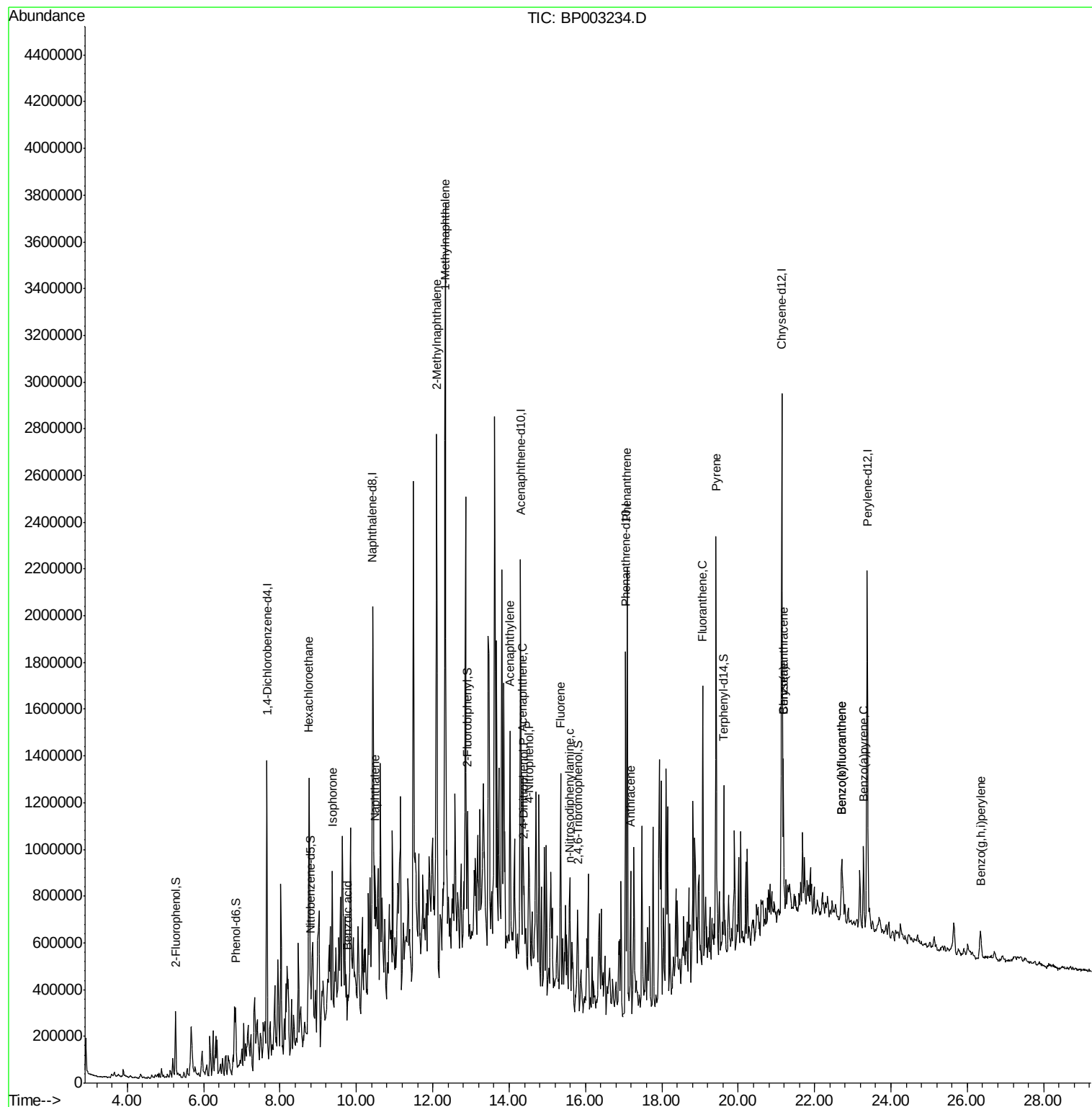
Target Compounds				Qvalue		
18) Hexachloroethane	8.76	117	78343	11.164	ng	# 1
25) Isophorone	9.37	82	62098	2.549	ng	# 1
31) Naphthalene	10.48	128	188654	3.689	ng	# 94
32) Benzoic acid	9.78	122	1585	9.134	ng	# 3
37) 2-Methylnaphthalene	12.10	142	979077	26.766	ng	99
38) 1-Methylnaphthalene	12.33	142	1591532	45.777	ng	100
49) Acenaphthylene	14.02	152	200521	4.037	ng	# 81
52) Acenaphthene	14.36	154	264271	8.661	ng	98
54) 2,4-Dinitrophenol	14.38	184	805	7.912	ng	# 1
56) 4-Nitrophenol	14.51	139	24909	3.604	ng	# 77
58) Fluorene	15.35	166	361790	9.801	ng	# 98
66) n-Nitrosodiphenylamine	15.57	169	84486	3.004	ng	# 80
71) Phenanthrene	17.09	178	1189684	22.825	ng	99
72) Anthracene	17.18	178	388683	7.792	ng	99
75) Fluoranthene	19.07	202	613370	10.182	ng	98
78) Pyrene	19.42	202	1078893	16.608	ng	99
81) Benzo(a)anthracene	21.18	228	355940	5.677	ng	91
83) Chrysene	21.18	228	355940	5.929	ng	95
88) Benzo(b)fluoranthene	22.71	252	340800	4.812	ng	# 94
89) Benzo(k)fluoranthene	22.71	252	340800	5.037	ng	# 95
90) Benzo(a)pyrene	23.28	252	252143	3.838	ng	96
92) Benzo(g,h,i)perylene	26.34	276	151946	2.169	ng	95

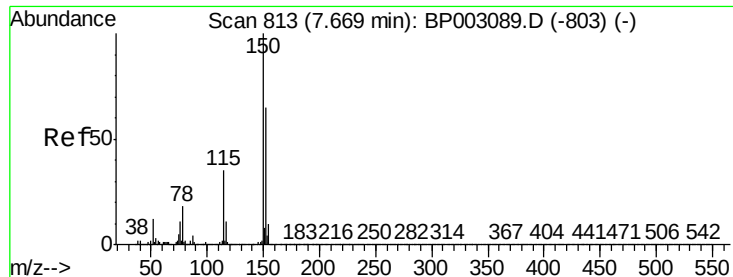
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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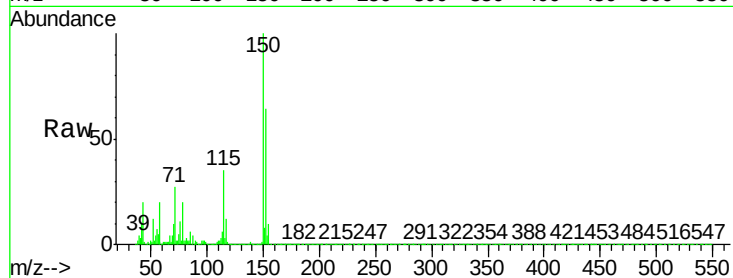


#1

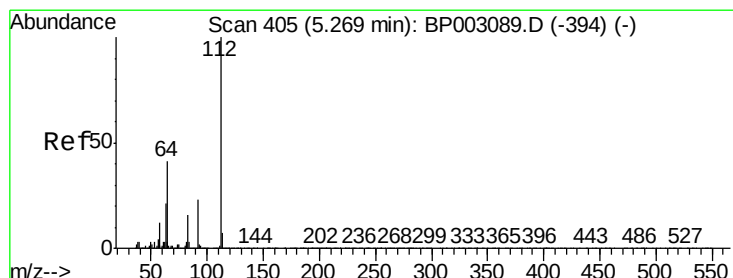
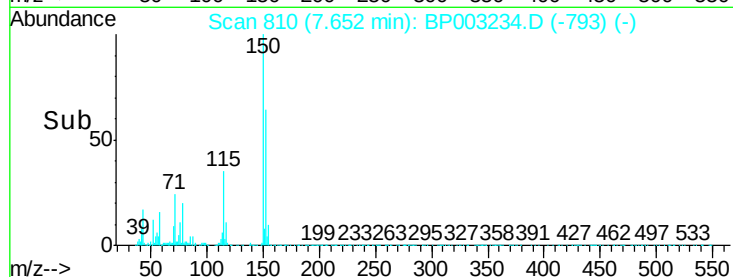
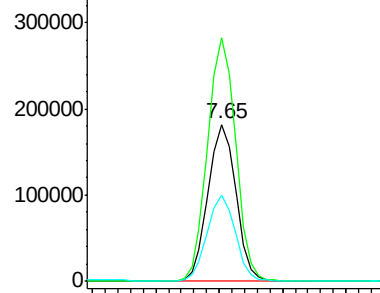
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. 0.00 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

Instrument :
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ClientSampleId :
TP-4DL3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	123.8	185.6
115	54.8	43.8	65.6



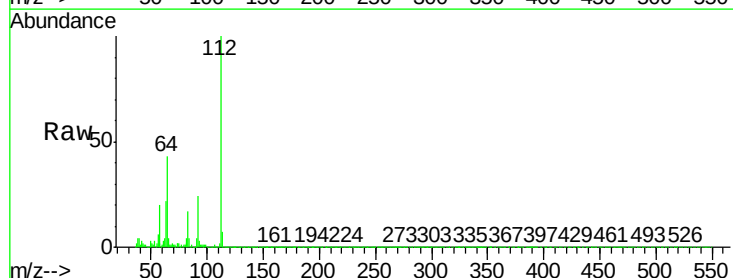
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



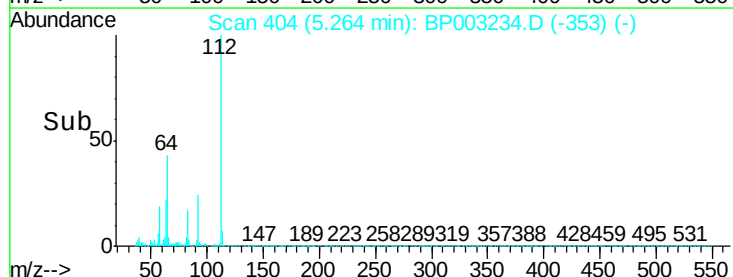
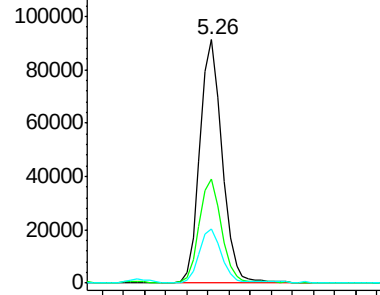
#5

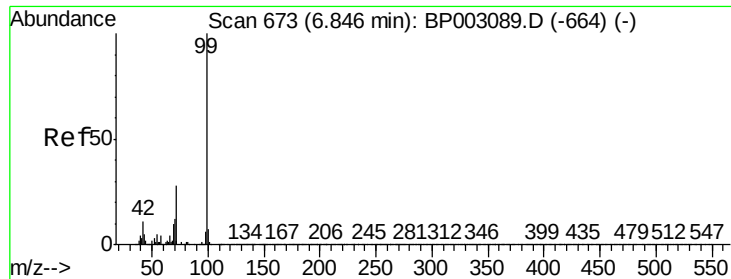
2-Fluorophenol
Concen: 8.538 ng
RT: 5.26 min Scan# 404
Delta R.T. 0.00 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.0	32.8	49.2
63	22.0	17.0	25.4



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





#7

Phenol-d6

Concen: 8.076 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Instrument :

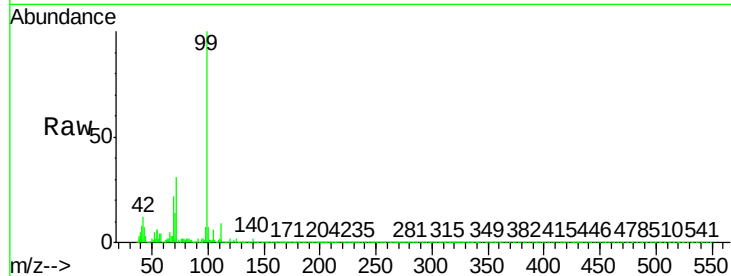
BNA_P

ClientSampleId :

TP-4DL3

Tot Ion: 99 Resp: 158693

Ion	Ratio	Lower	Upper
99	100		
42	12.1	8.6	13.0
71	30.6	23.4	35.2

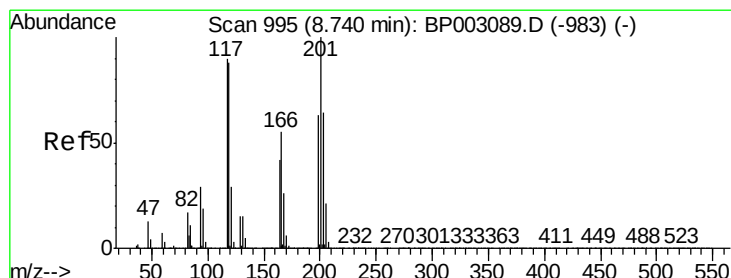
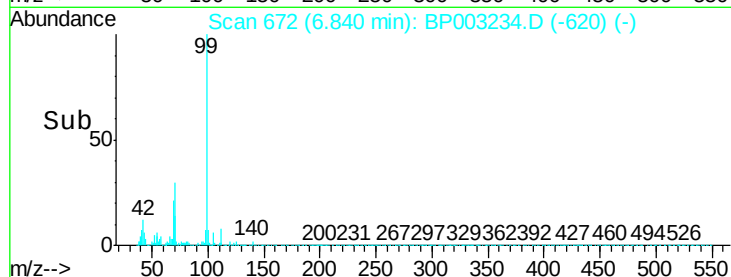
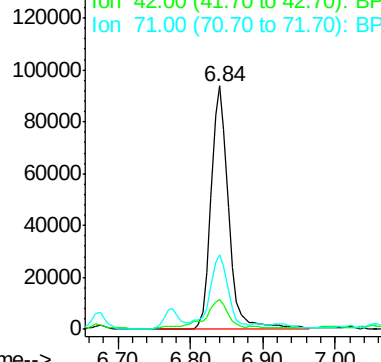


Abundance

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



#18

Hexachloroethane

Concen: 11.164 ng

RT: 8.76 min Scan# 998

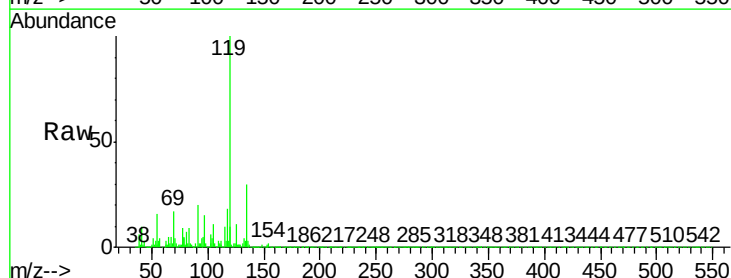
Delta R.T. 0.03 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Tgt Ion: 117 Resp: 78343

Ion	Ratio	Lower	Upper
117	100		
119	551.3	78.8	118.2#
201	0.0	92.3	138.5#

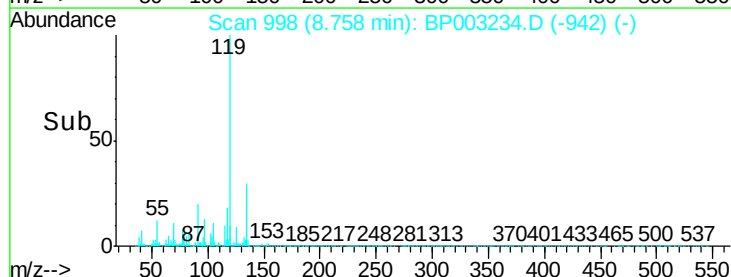
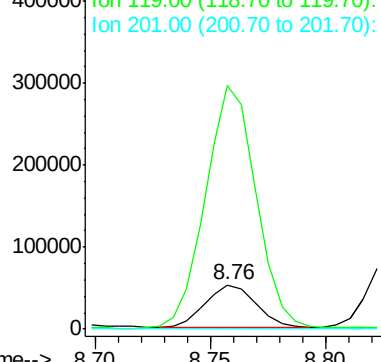


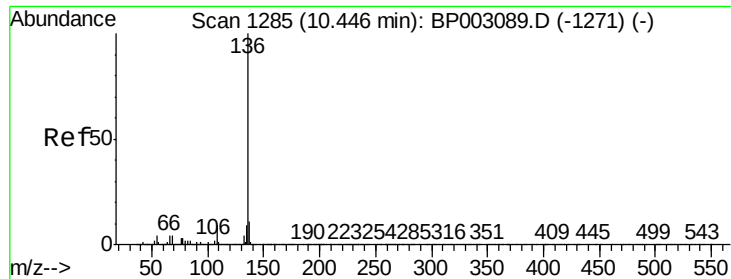
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

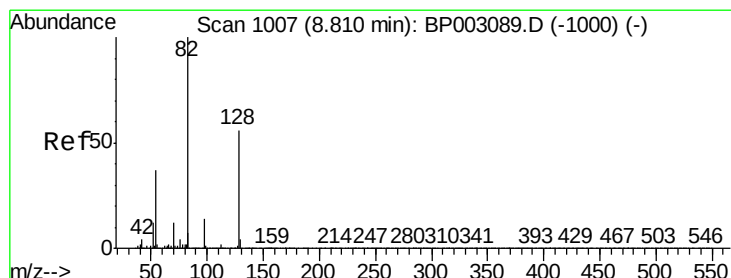
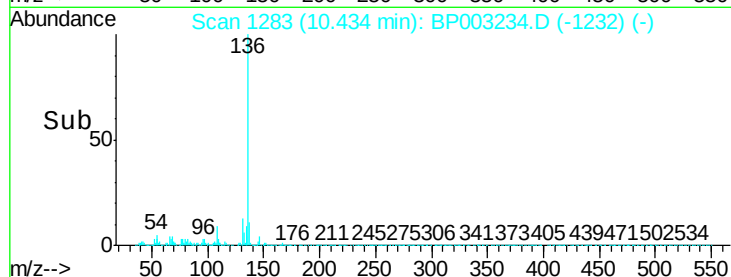
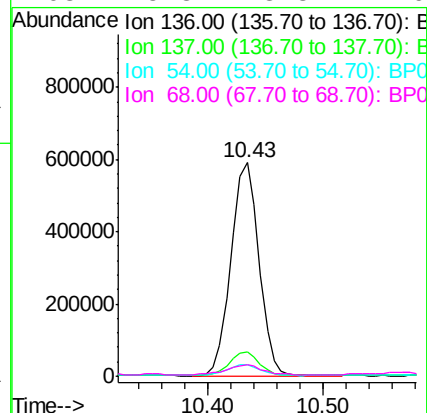
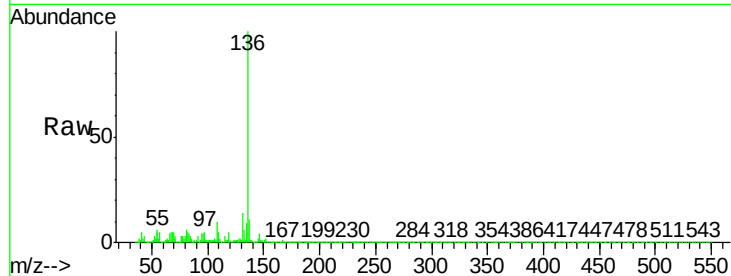




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.43 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

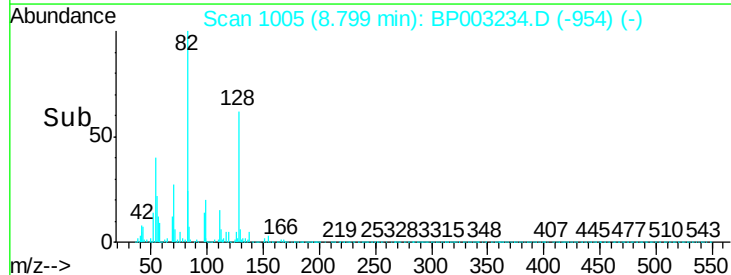
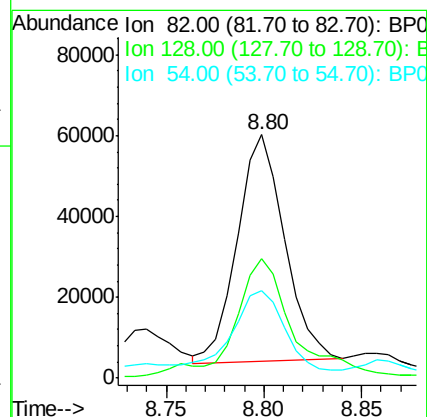
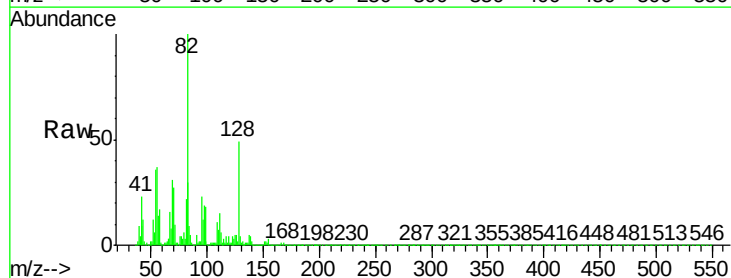
Instrument :
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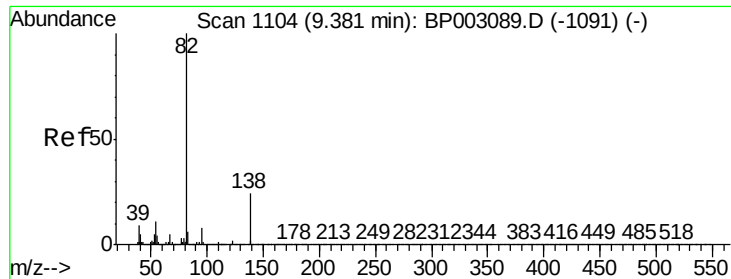
Tot Ion:136	Resp:	995265
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.6	13.0
54 5.2	3.6	5.4
68 5.3	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 6.847 ng
RT: 8.80 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

Tgt Ion: 82	Resp: 94530
Ion Ratio	Lower Upper
82 100	
128 49.0	45.6 68.4
54 36.1	30.1 45.1

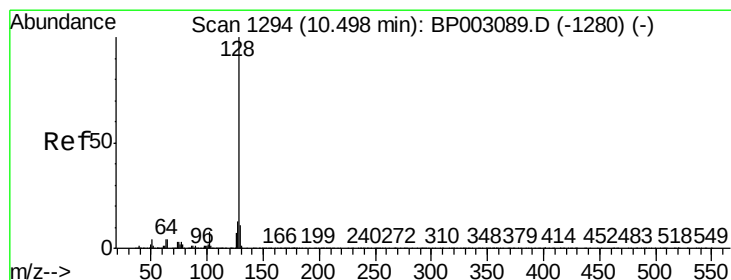
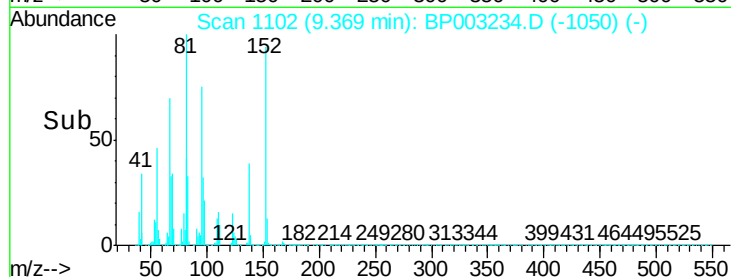
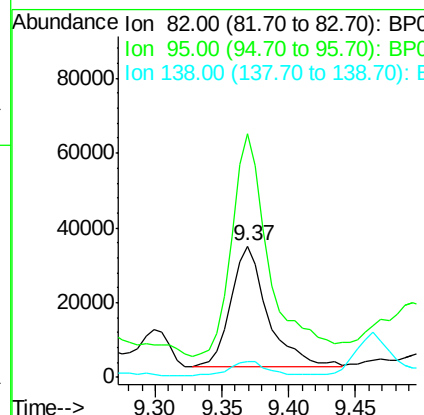
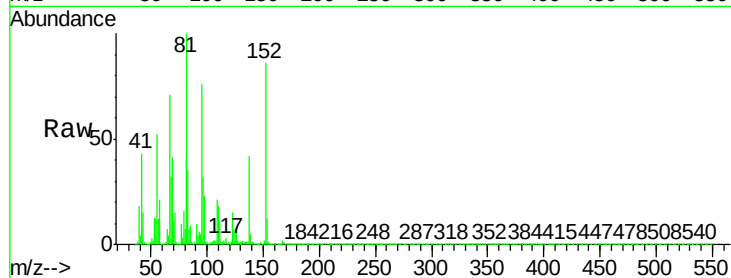




#25
Isophorone
Concen: 2.549 ng
RT: 9.37 min Scan# 1102
Delta R.T. 0.01 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

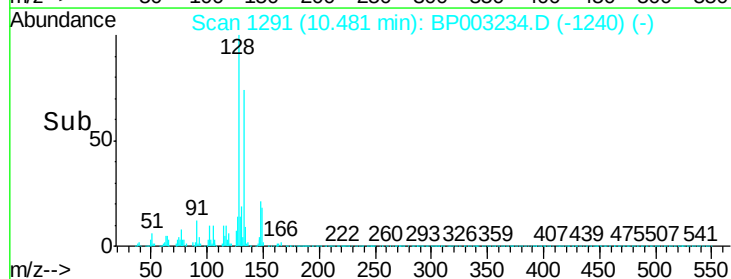
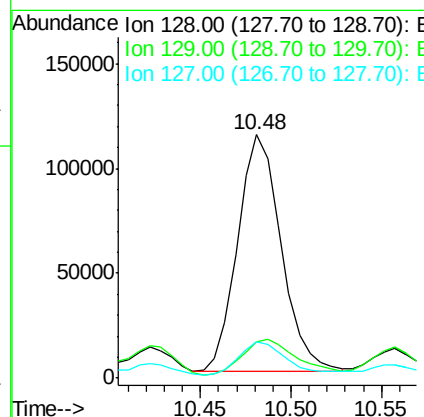
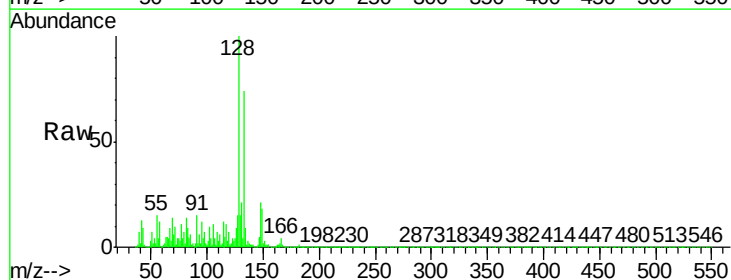
Instrument :
BNA_P
ClientSampleId :
TP-4DL3

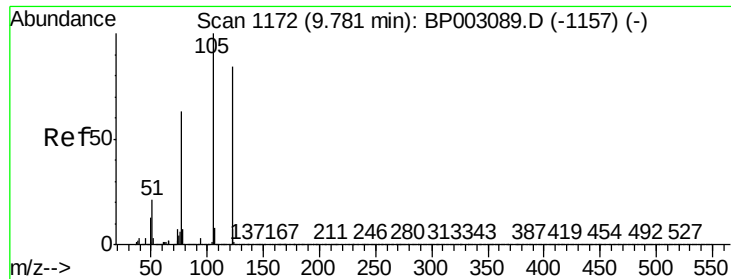
Tot Ion: 82 Resp: 62098
Ion Ratio Lower Upper
82 100
95 185.3 6.4 9.6#
138 12.3 18.7 28.1#



#31
Naphthalene
Concen: 3.689 ng
RT: 10.48 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

Tgt Ion: 128 Resp: 188654
Ion Ratio Lower Upper
128 100
129 14.7 8.8 13.2#
127 14.6 10.6 15.8

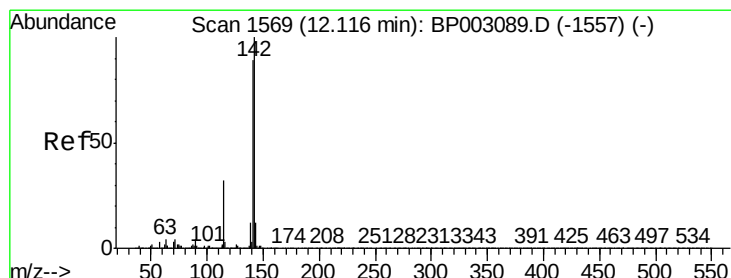
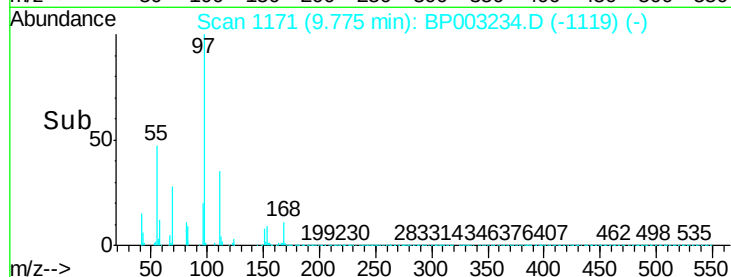
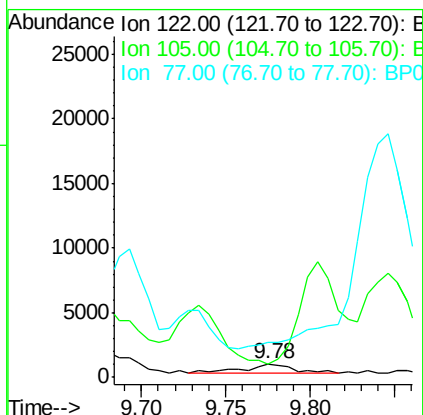
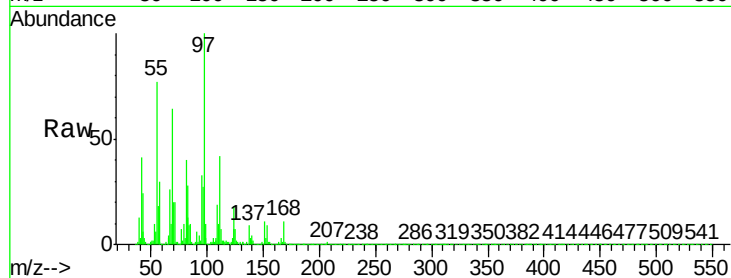




#32
Benzoic acid
Concen: 9.134 ng
RT: 9.78 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

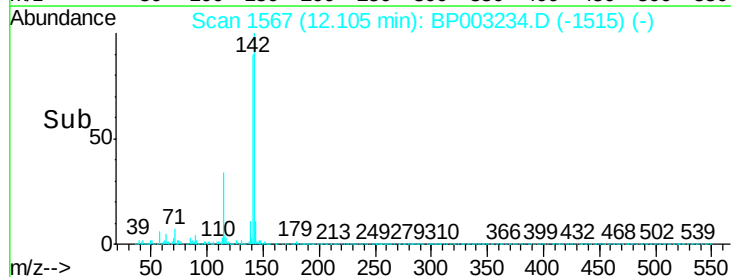
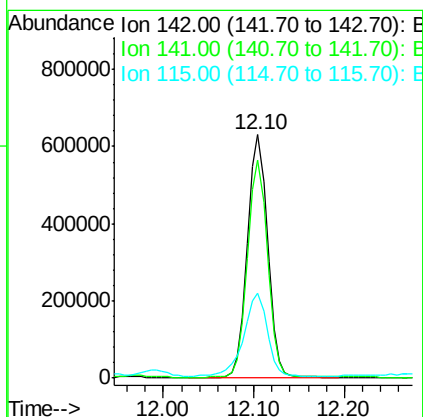
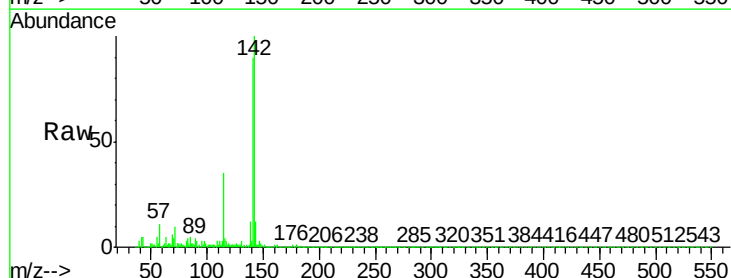
Instrument :
BNA_P
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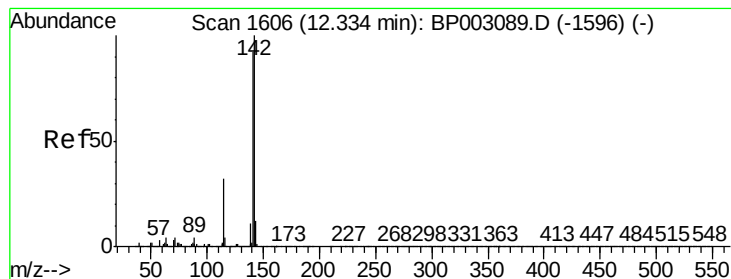
Tot Ion:122 Resp: 1585
Ion Ratio Lower Upper
122 100
105 103.0 94.1 134.1
77 265.0 50.1 90.1#



#37
2-Methylnaphthalene
Concen: 26.766 ng
RT: 12.10 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

Tgt Ion:142 Resp: 979077
Ion Ratio Lower Upper
142 100
141 89.6 71.4 107.2
115 34.6 25.8 38.6





#38

1-Methylnaphthalene

Concen: 45.777 ng

RT: 12.33 min Scan# 1605

Delta R.T. 0.01 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Instrument :

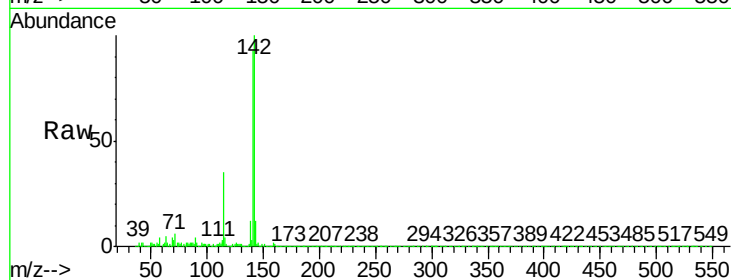
BNA_P

ClientSampleId :

TP-4DL3

Tot Ion:142 Resp: 1591532

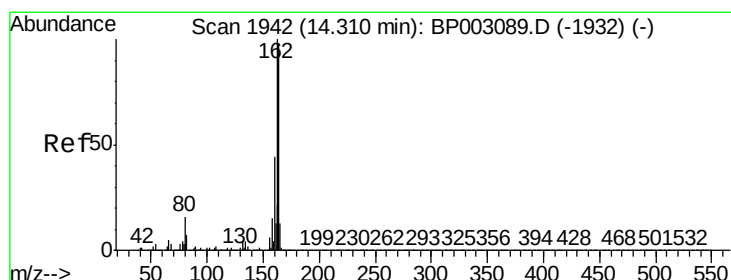
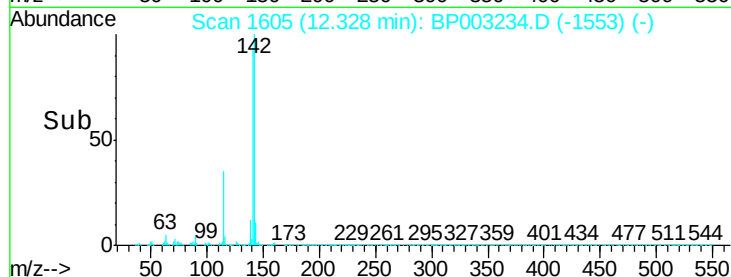
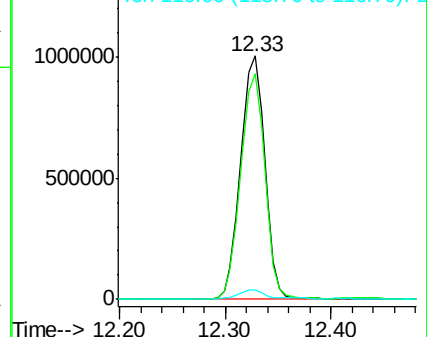
Ion	Ratio	Lower	Upper
142	100		
141	92.7	74.4	111.6
116	3.7	2.9	4.3



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: 14.30 min Scan# 1940

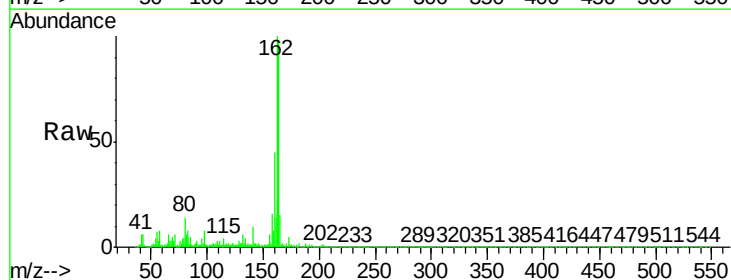
Delta R.T. 0.01 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Tgt Ion:164 Resp: 534986

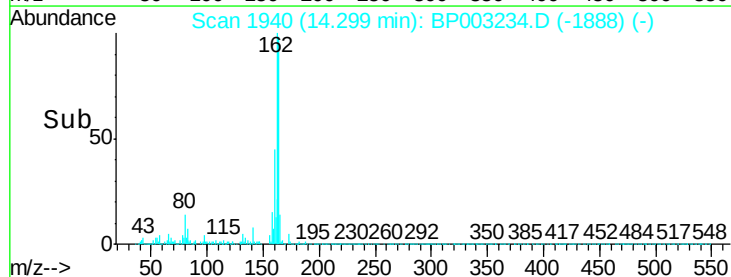
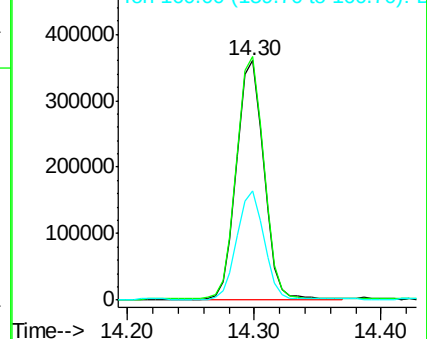
Ion	Ratio	Lower	Upper
164	100		
162	101.7	79.4	119.2
160	45.8	36.1	54.1

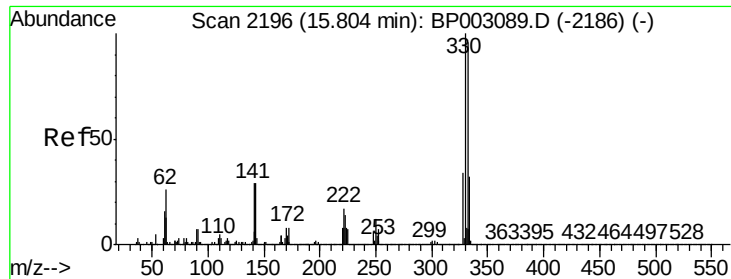


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

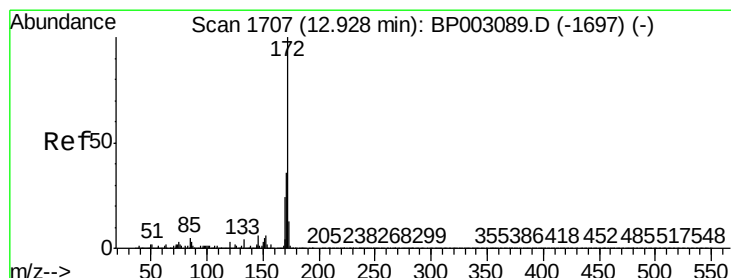
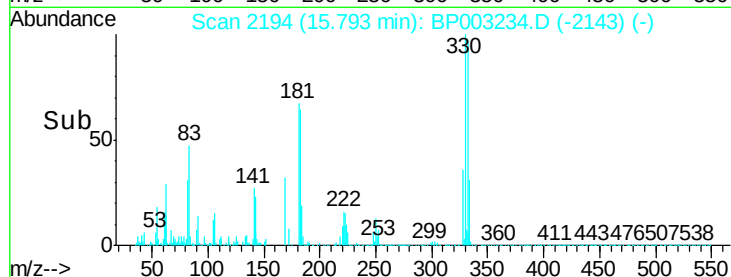
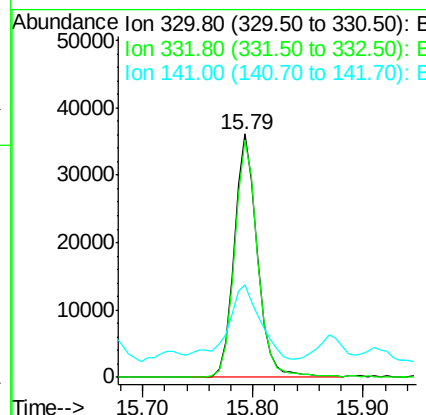
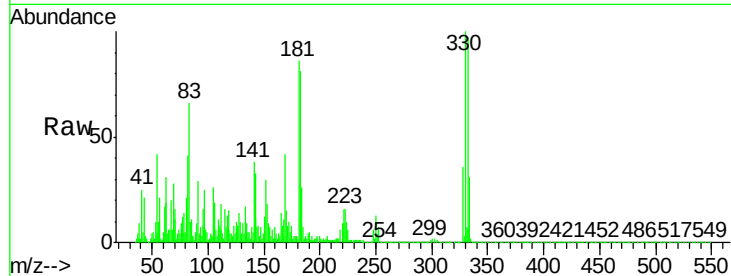




#42
 2,4,6-Tribromophenol
 Concen: 7.333 ng
 RT: 15.79 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: BP003234.D
 Acq: 08 Sep 2020 19:12

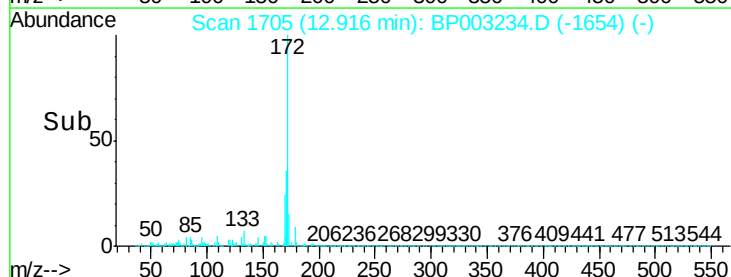
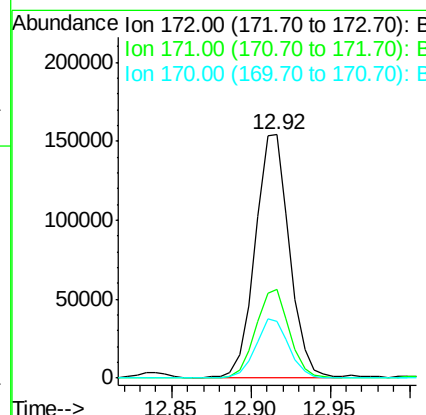
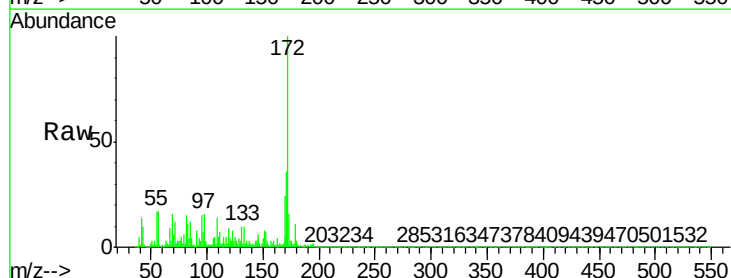
Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL3

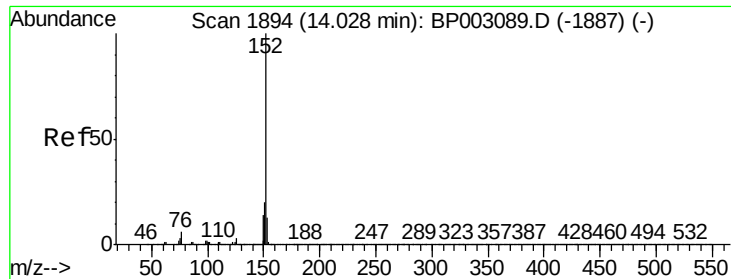
Tot Ion:330 Resp: 53060
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.1 115.7
 141 41.9 23.4 35.2#



#45
 2-Fluorobiphenyl
 Concen: 6.316 ng
 RT: 12.92 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: BP003234.D
 Acq: 08 Sep 2020 19:12

Tgt Ion:172 Resp: 230743
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.5 42.7
 170 23.6 19.2 28.8





#49

Acenaphthylene

Concen: 4.037 ng

RT: 14.02 min Scan# 1892

Delta R.T. 0.01 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Instrument :

BNA_P

ClientSampleId :

TP-4DL3

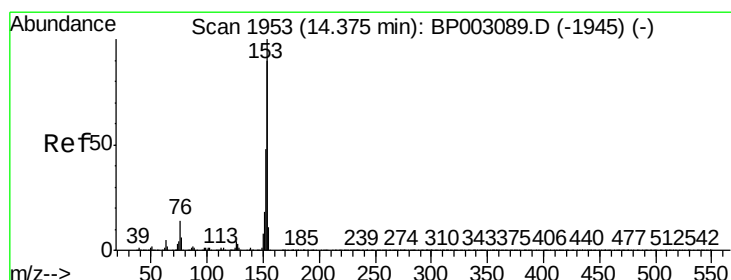
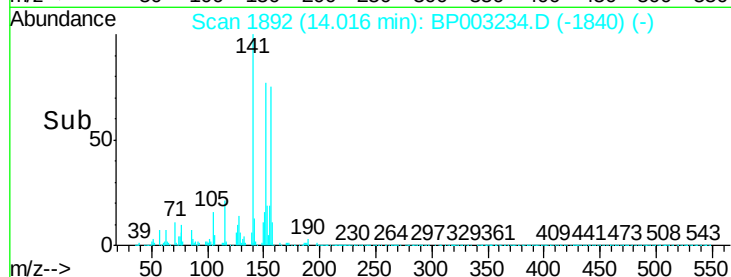
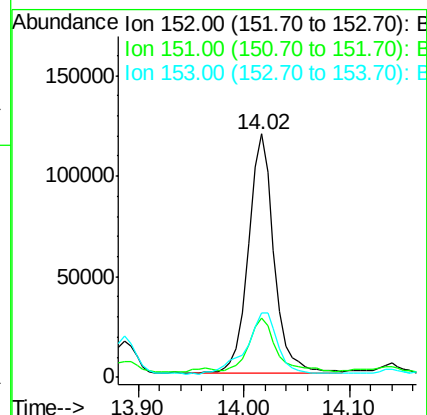
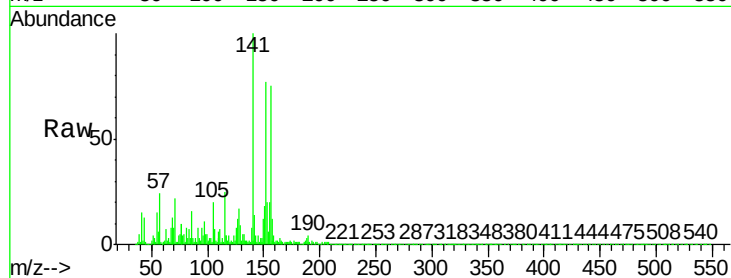
Tot Ion:152 Resp: 200521

Ion Ratio Lower Upper

152 100

151 24.1 15.9 23.9#

153 26.5 10.5 15.7#



#52

Acenaphthene

Concen: 8.661 ng

RT: 14.36 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

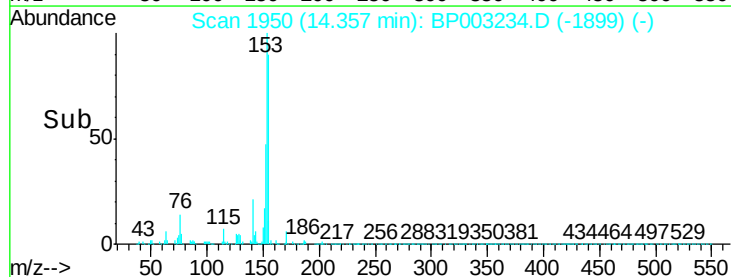
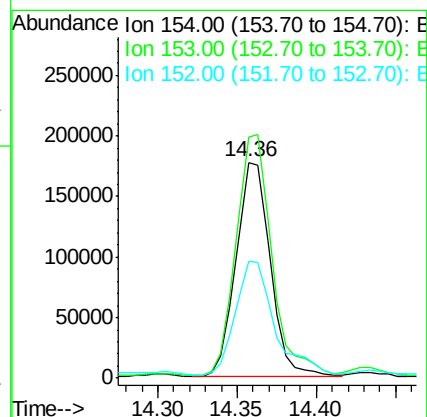
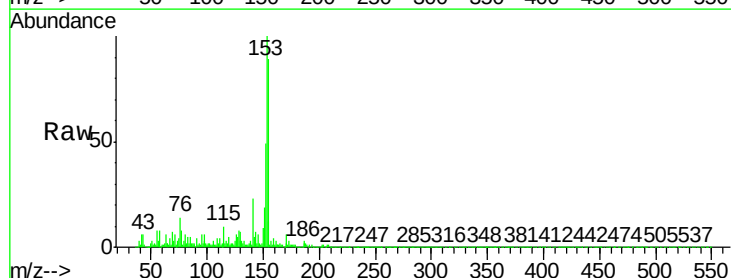
Tgt Ion:154 Resp: 264271

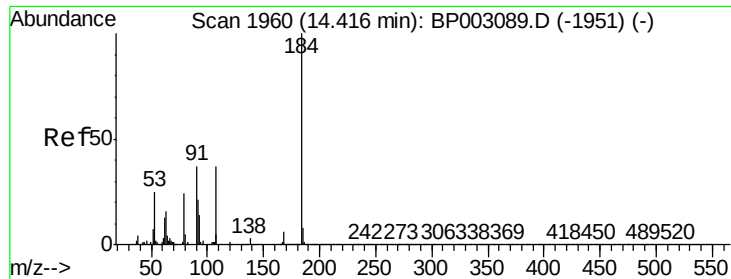
Ion Ratio Lower Upper

154 100

153 111.9 91.0 136.6

152 54.4 43.0 64.6

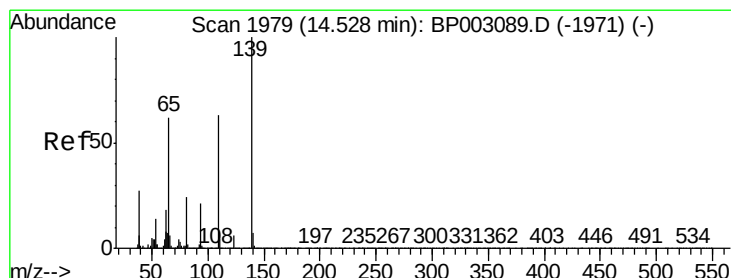
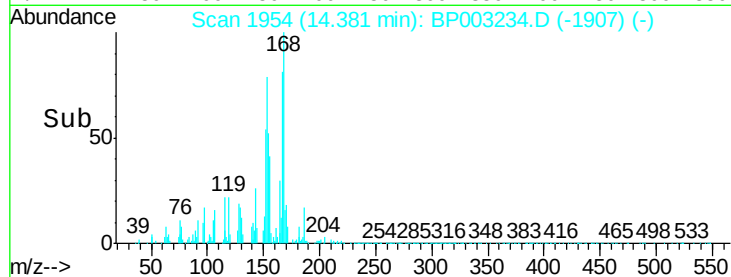
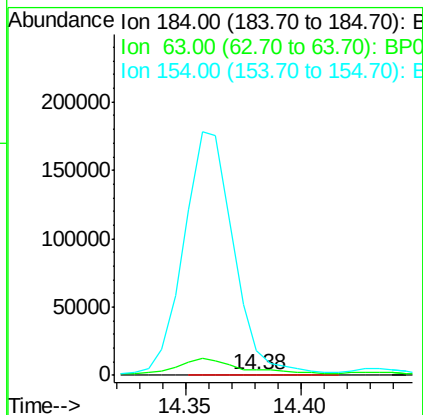
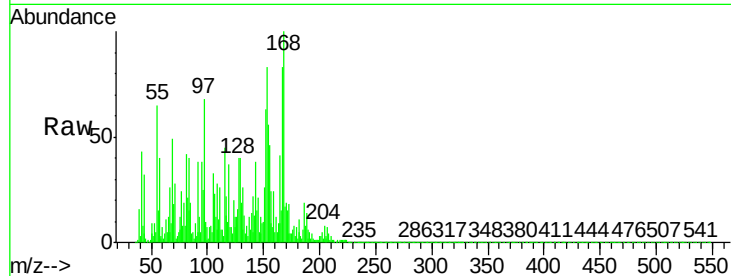




#54
2,4-Dinitrophenol
Concen: 7.912 ng
RT: 14.38 min Scan# 1954
Delta R.T. -0.02 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

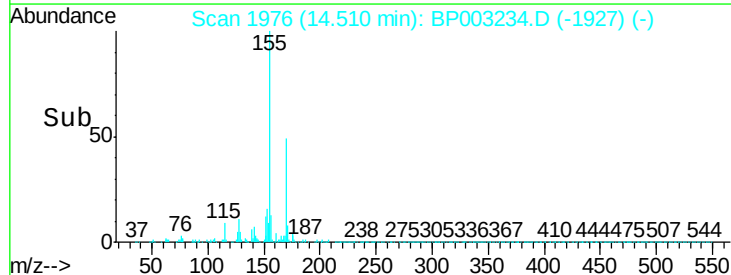
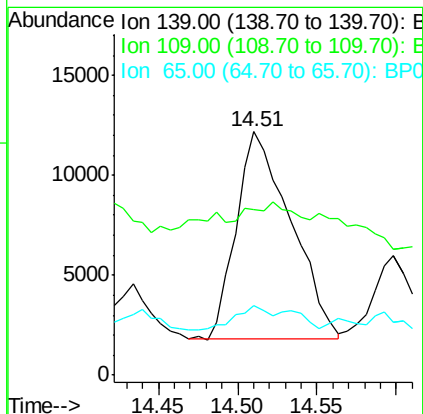
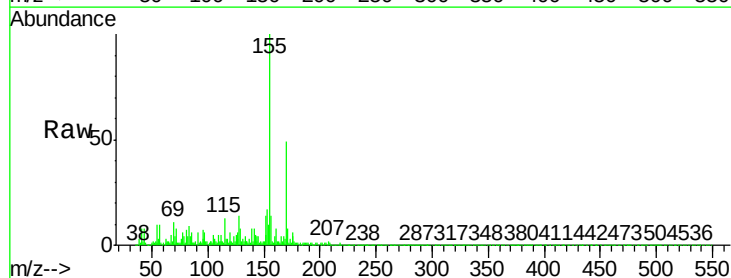
Instrument :
BNA_P
ClientSampleId :
TP-4DL3

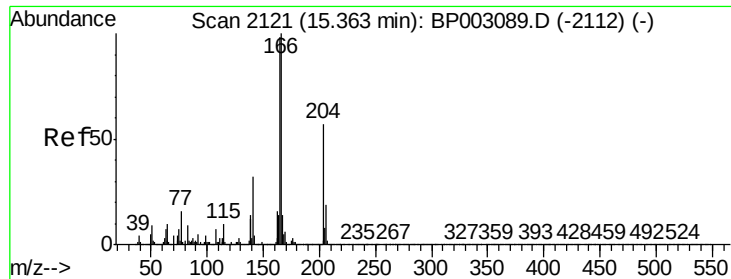
Tot Ion:184 Resp: 805
Ion Ratio Lower Upper
184 100
63 545.8 32.3 48.5#
154 2706.2 49.1 73.7#



#56
4-Nitrophenol
Concen: 3.604 ng
RT: 14.51 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

Tgt Ion:139 Resp: 24909
Ion Ratio Lower Upper
139 100
109 67.8 44.6 84.6
65 28.7 41.6 81.6#





#58

Fluorene

Concen: 9.801 ng

RT: 15.35 min Scan# 2119

Delta R.T. 0.01 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Instrument :

BNA_P

ClientSampleId :

TP-4DL3

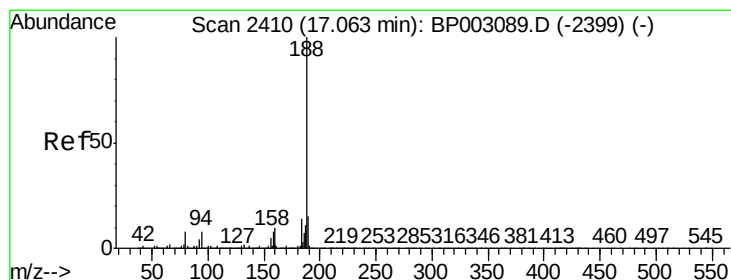
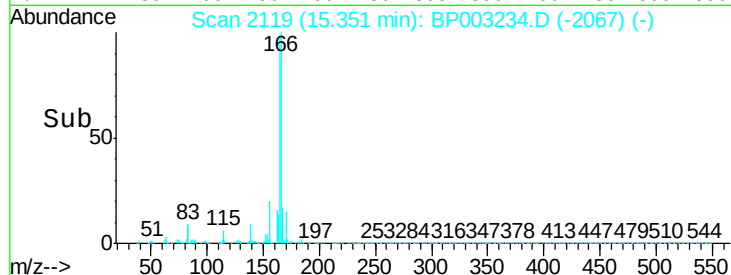
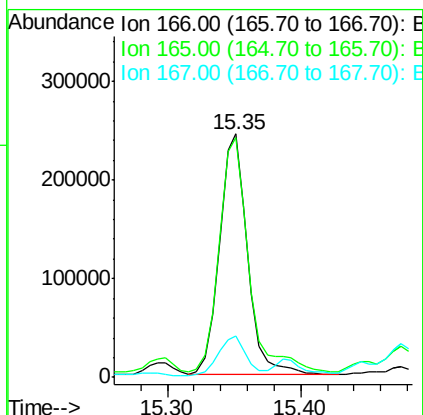
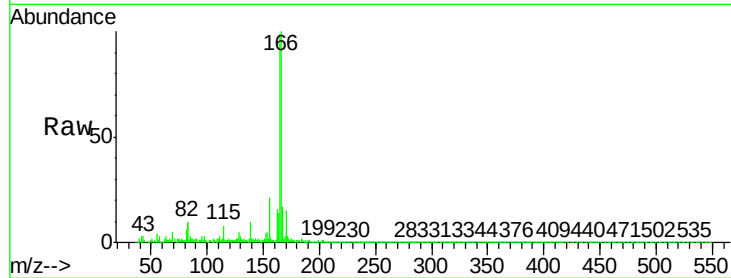
Tot Ion:166 Resp: 361790

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.8

167 16.9 11.0 16.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

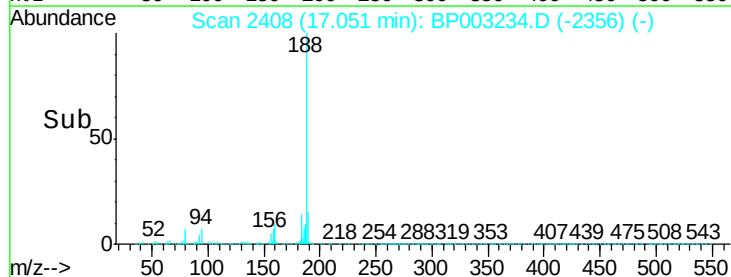
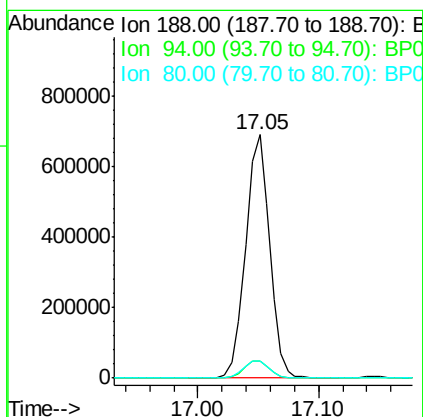
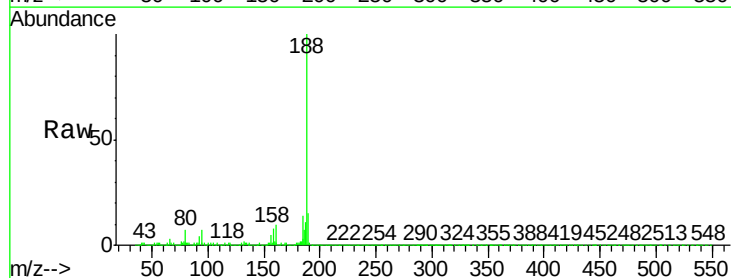
Tgt Ion:188 Resp: 961913

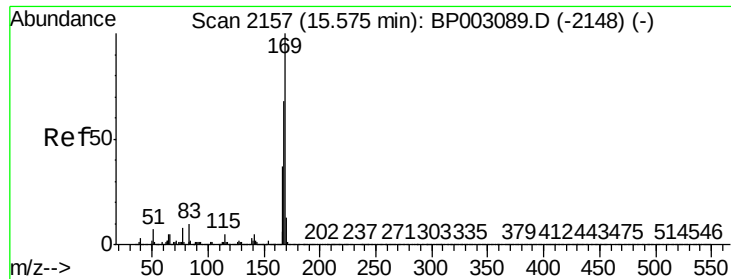
Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.2

80 7.1 6.2 9.2

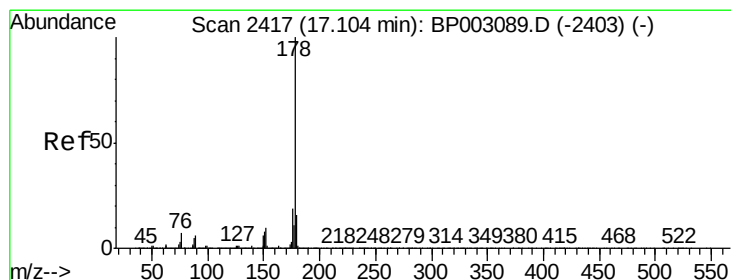
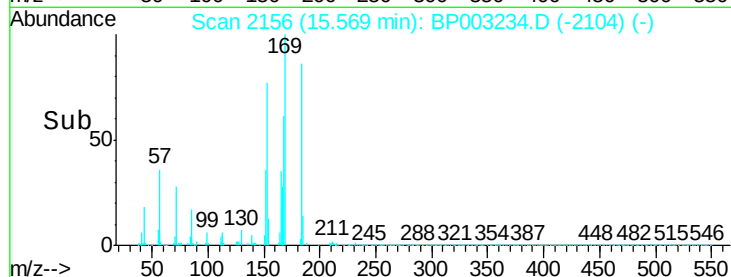
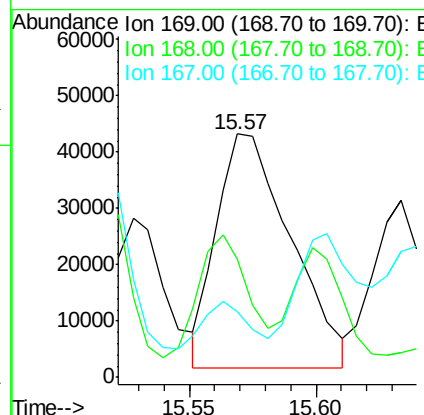
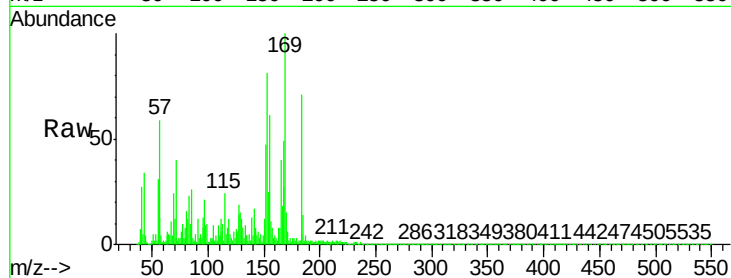




#66
 n-Nitrosodiphenylamine
 Concen: 3.004 ng
 RT: 15.57 min Scan# 2156
 Delta R.T. 0.01 min
 Lab File: BP003234.D
 Acq: 08 Sep 2020 19:12

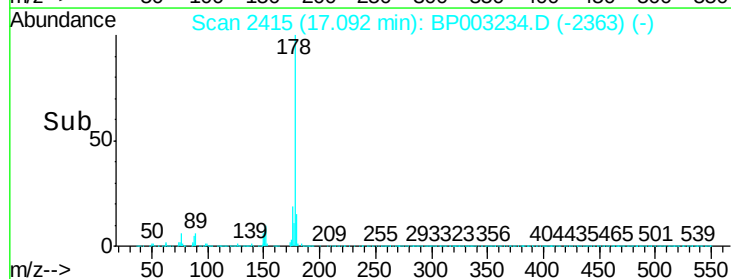
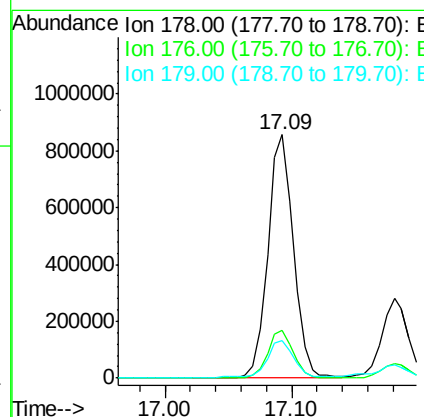
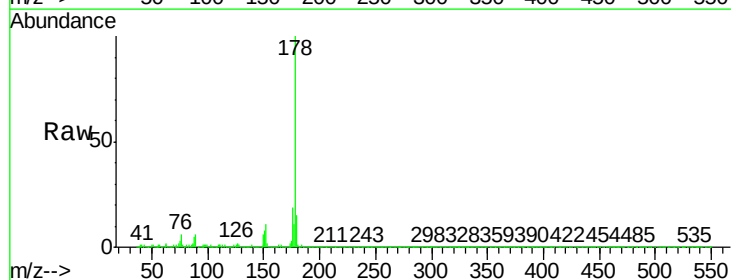
Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL3

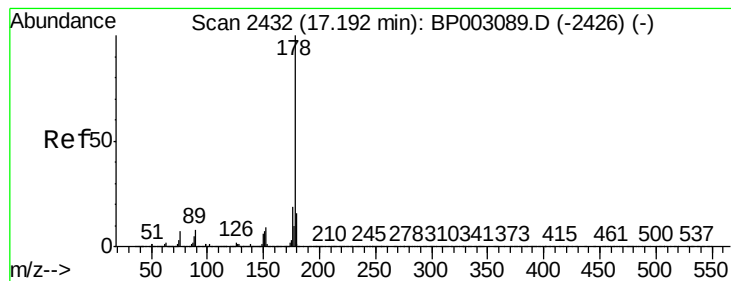
Tot Ion:169 Resp: 84486
 Ion Ratio Lower Upper
 169 100
 168 48.5 53.8 80.6#
 167 27.2 28.9 43.3#



#71
 Phenanthrene
 Concen: 22.825 ng
 RT: 17.09 min Scan# 2415
 Delta R.T. 0.01 min
 Lab File: BP003234.D
 Acq: 08 Sep 2020 19:12

Tgt Ion:178 Resp: 1189684
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.3 22.9
 179 15.3 12.5 18.7





#72

Anthracene

Concen: 7.792 ng

RT: 17.18 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Instrument :

BNA_P

ClientSampleId :

TP-4DL3

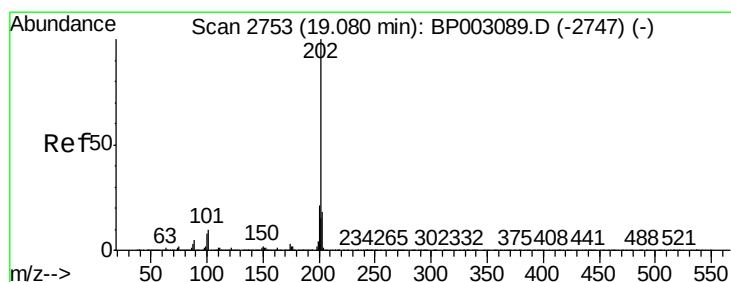
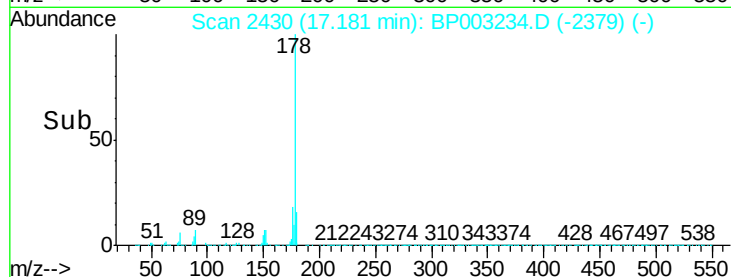
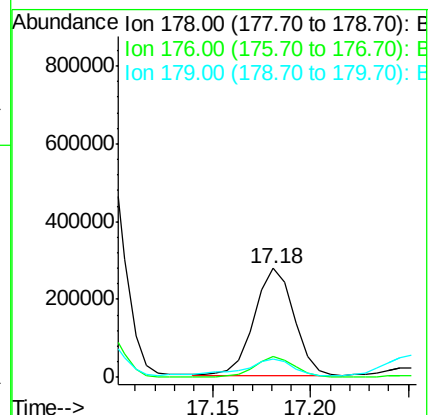
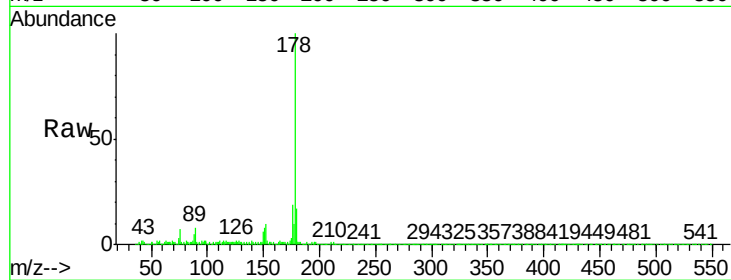
Tot Ion:178 Resp: 388683

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 16.8 12.5 18.7



#75

Fluoranthene

Concen: 10.182 ng

RT: 19.07 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

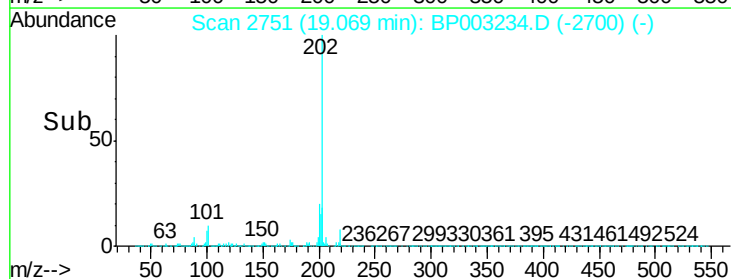
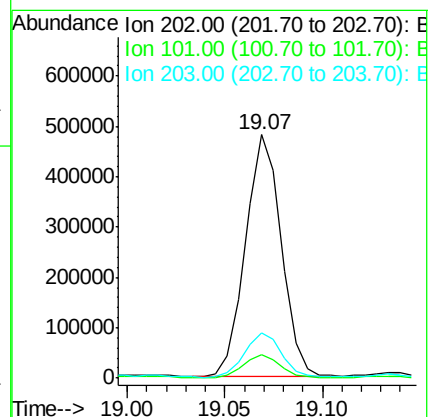
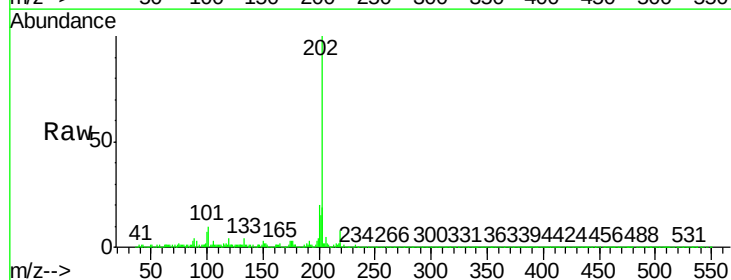
Tgt Ion:202 Resp: 613370

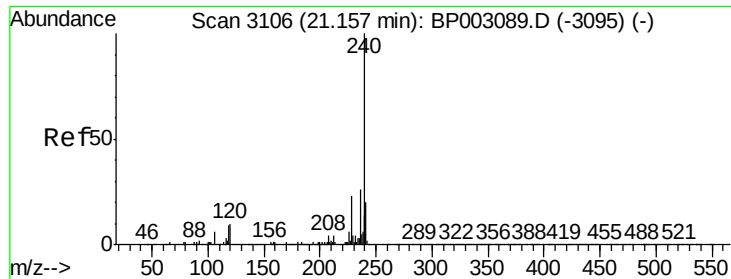
Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.4

203 18.7 0.0 37.8

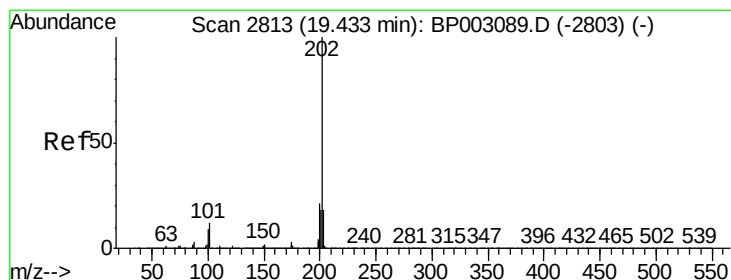
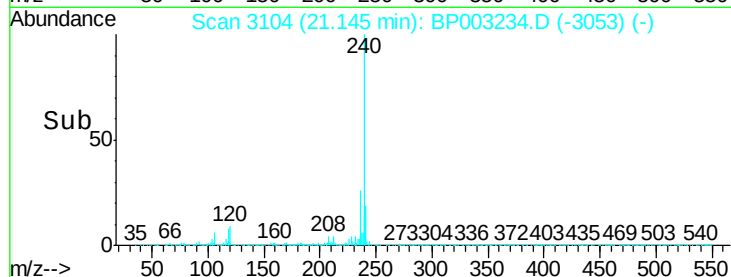
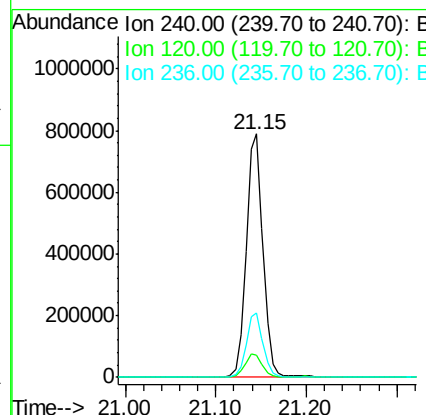
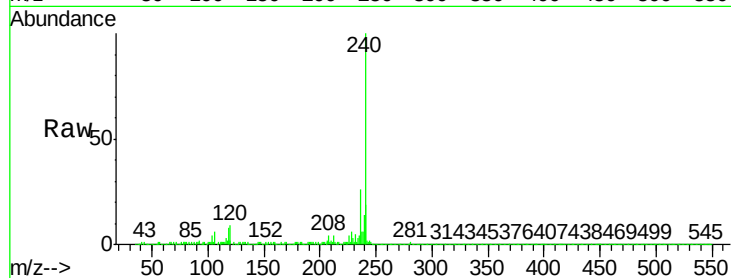




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. 0.00 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

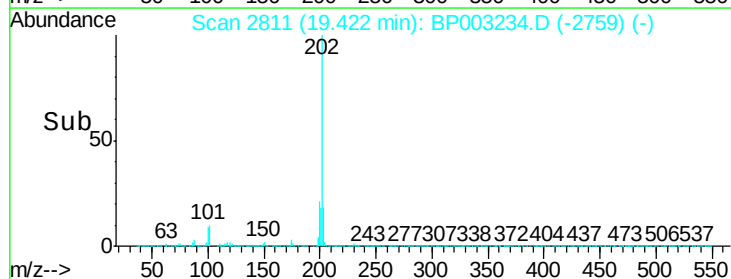
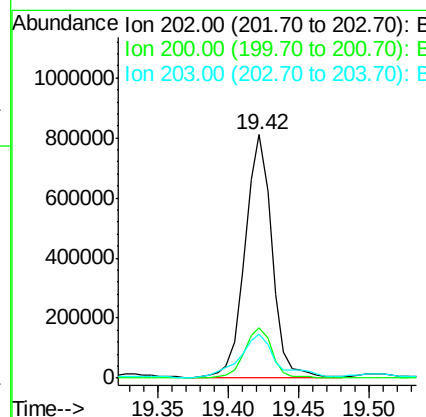
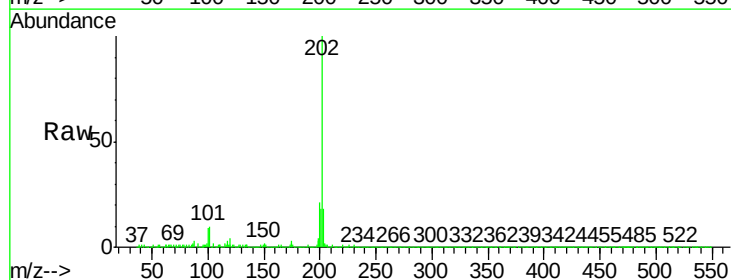
Instrument :
BNA_P
ClientSampleId :
TP-4DL3

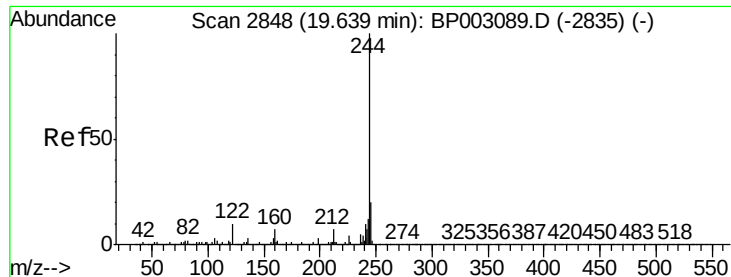
Tot Ion:240 Resp: 1000916
Ion Ratio Lower Upper
240 100
120 9.3 7.8 11.6
236 26.2 20.8 31.2



#78
Pyrene
Concen: 16.608 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

Tgt Ion:202 Resp: 1078893
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.9 14.2 21.2





#79

Terphenyl-d14

Concen: 5.631 ng

RT: 19.62 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Instrument :

BNA_P

ClientSampleId :

TP-4DL3

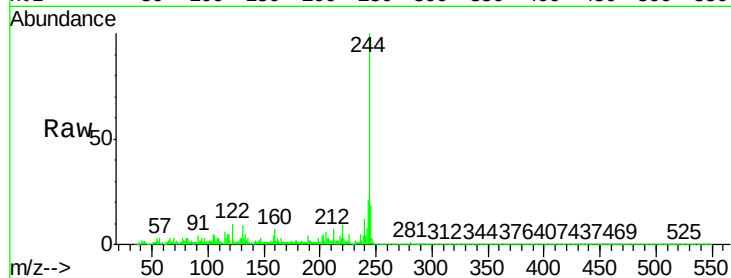
Tot Ion:244 Resp: 256126

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

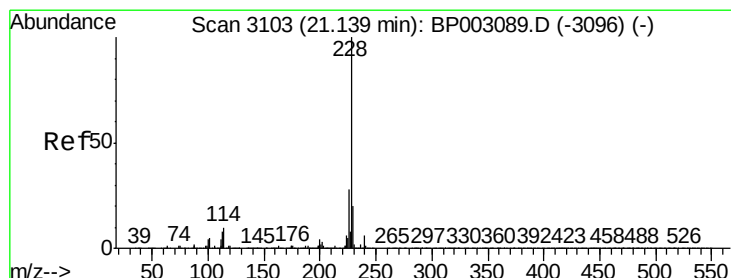
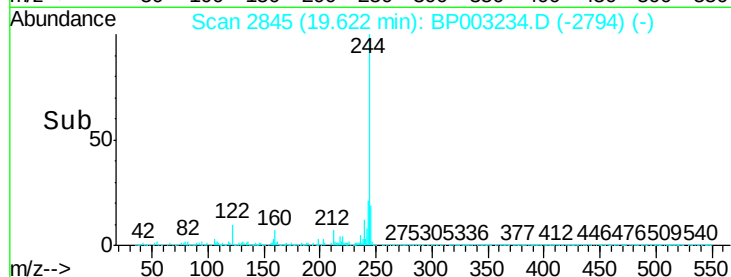
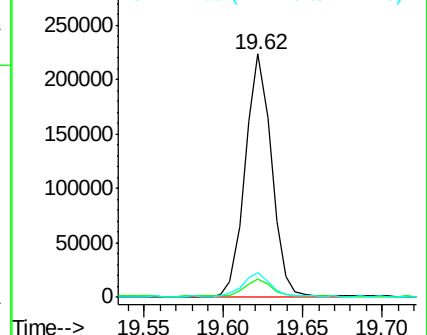
122 10.4 7.8 11.8



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: 5.677 ng

RT: 21.18 min Scan# 3110

Delta R.T. 0.05 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

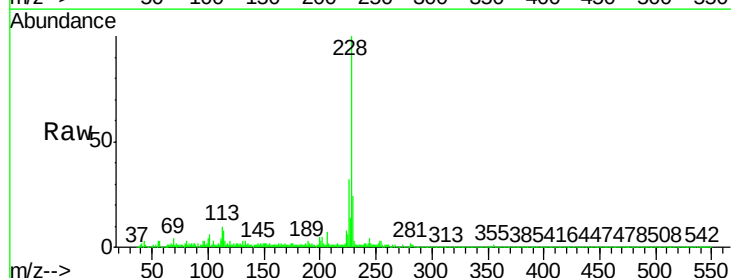
Tgt Ion:228 Resp: 355940

Ion Ratio Lower Upper

228 100

226 32.3 22.1 33.1

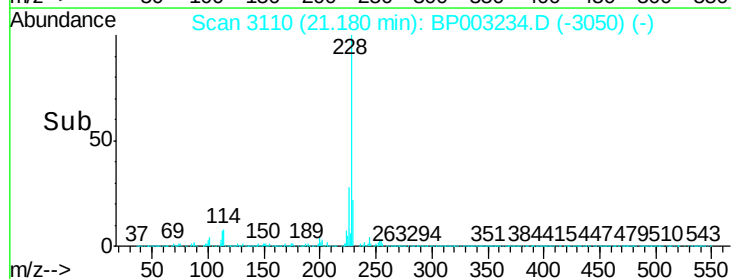
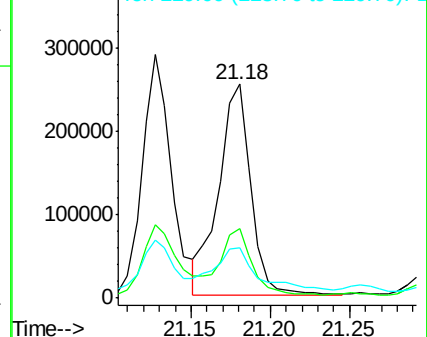
229 23.6 15.9 23.9

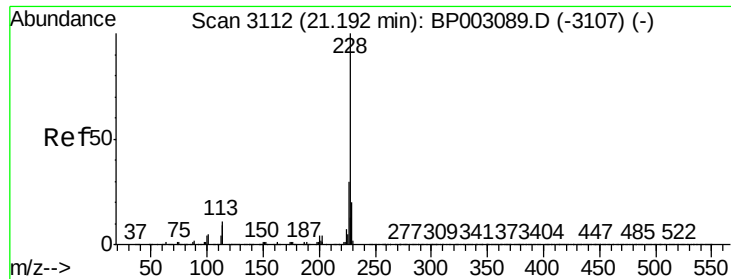


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

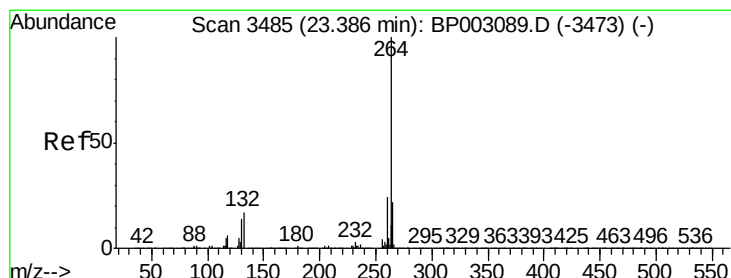
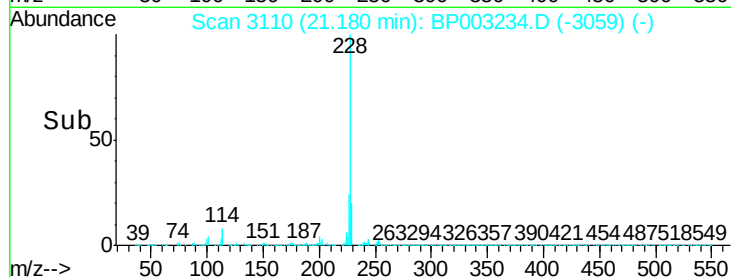
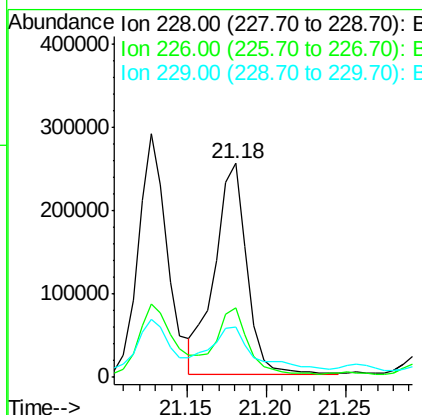
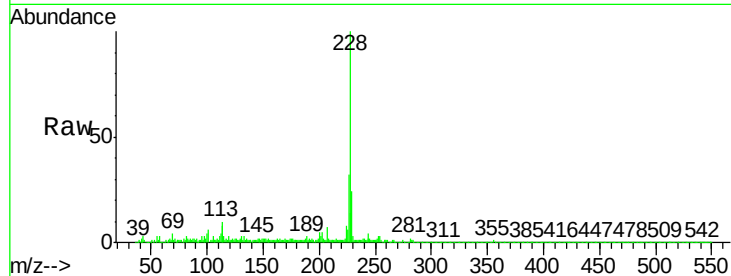




#83
Chrysene
Concen: 5.929 ng
RT: 21.18 min Scan# 3110
Delta R.T. 0.00 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

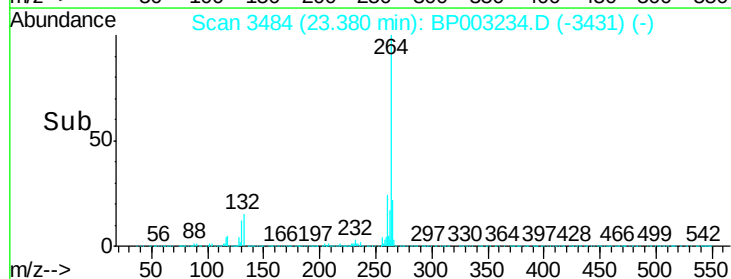
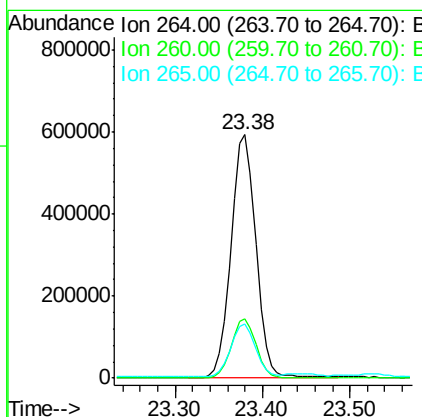
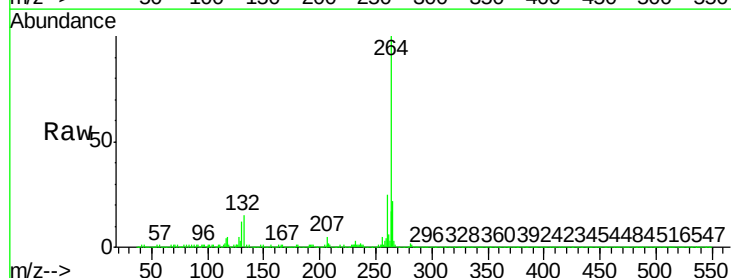
Instrument :
BNA_P
ClientSampleId :
TP-4DL3

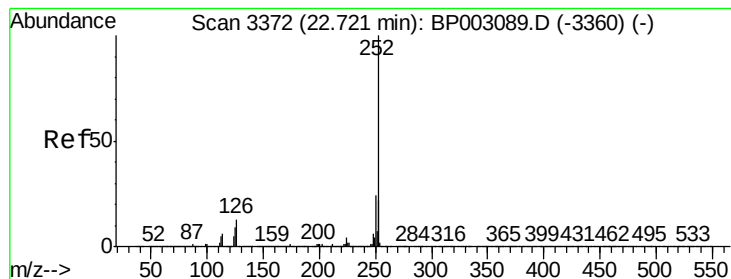
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.4	36.6
229	23.6	15.8	23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003234.D
Acq: 08 Sep 2020 19:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.2	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 4.812 ng

RT: 22.71 min Scan# 3370

Delta R.T. 0.01 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Instrument :

BNA_P

ClientSampleId :

TP-4DL3

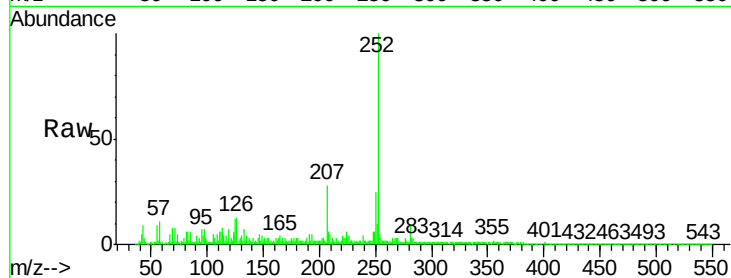
Tot Ion:252 Resp: 340800

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

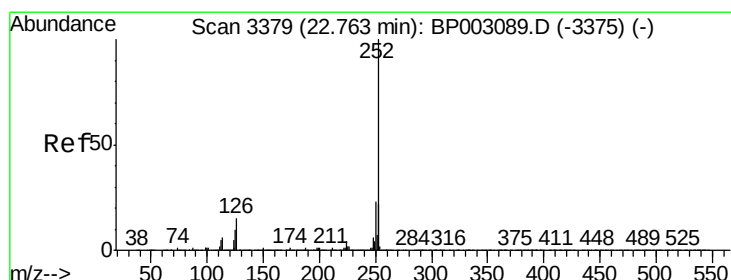
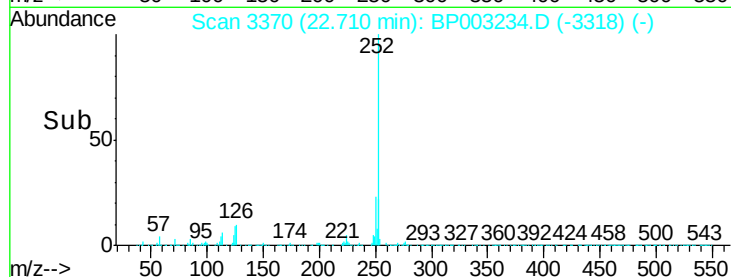
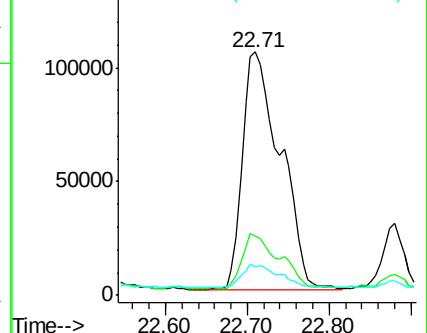
125 11.7 7.3 10.9#



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: 5.037 ng

RT: 22.71 min Scan# 3370

Delta R.T. -0.04 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

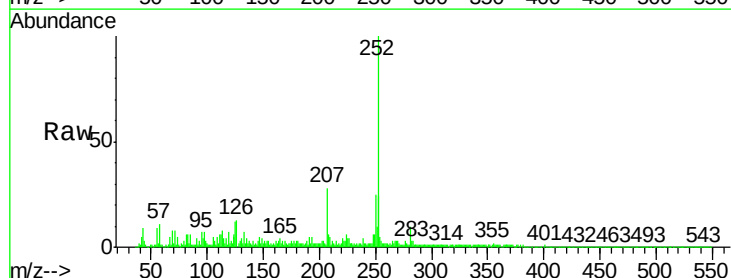
Tgt Ion:252 Resp: 340800

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

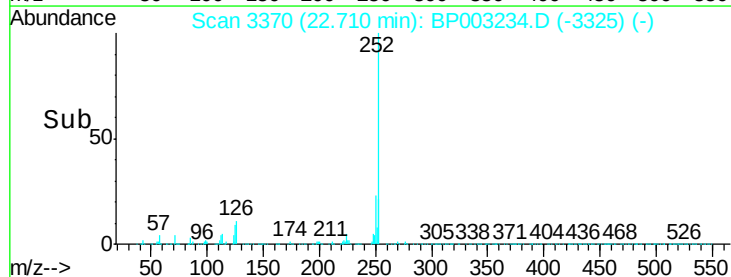
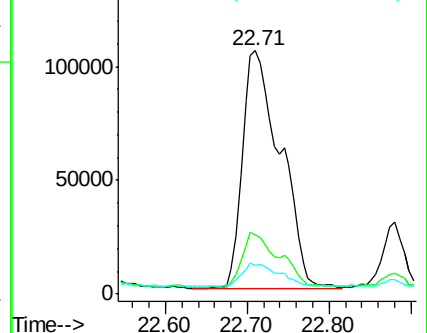
125 11.7 7.4 11.2#

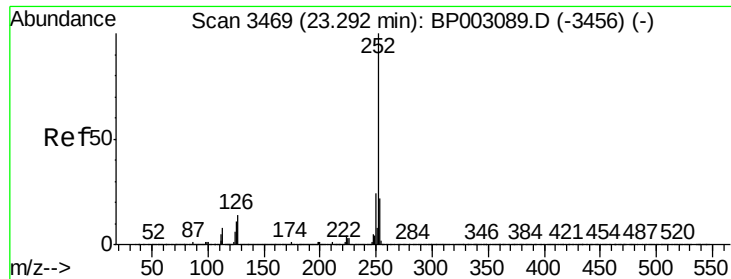


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.838 ng

RT: 23.28 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

Instrument :

BNA_P

ClientSampleId :

TP-4DL3

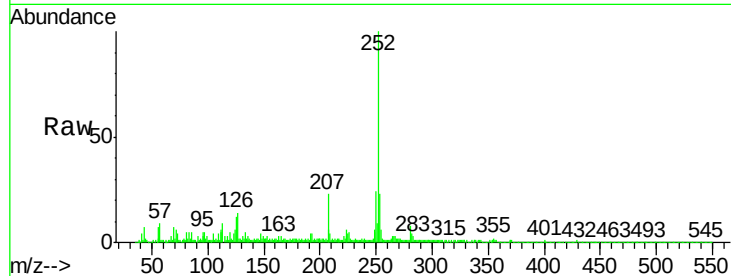
Tot Ion:252 Resp: 252143

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

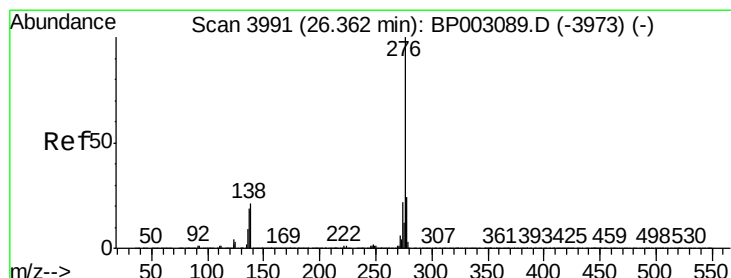
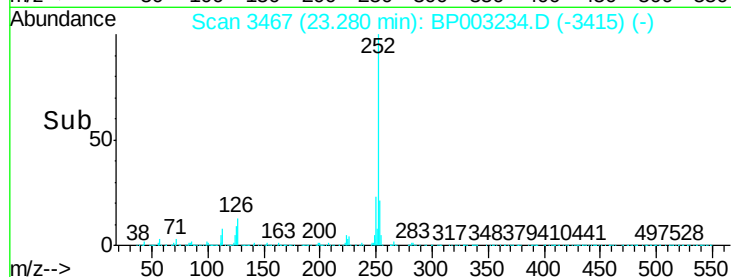
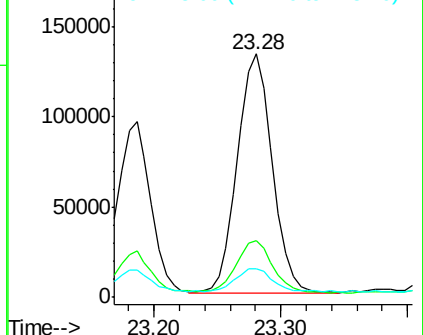
125 11.7 8.2 12.4



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



#92

Benzo(g,h,i)perylene

Concen: 2.169 ng

RT: 26.34 min Scan# 3988

Delta R.T. 0.01 min

Lab File: BP003234.D

Acq: 08 Sep 2020 19:12

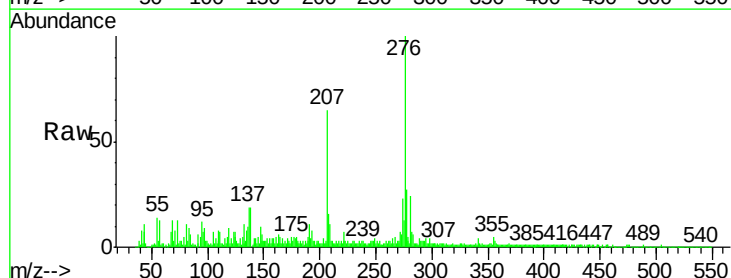
Tgt Ion:276 Resp: 151946

Ion Ratio Lower Upper

276 100

277 27.0 19.0 28.6

138 19.2 16.6 24.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

