

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
 Data File : BF124382.D
 Acq On : 18 Jun 2021 19:38
 Operator : JU/CG
 Sample : M2749-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PX-04_14.5-15.0

Quant Time: Jun 18 23:18:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

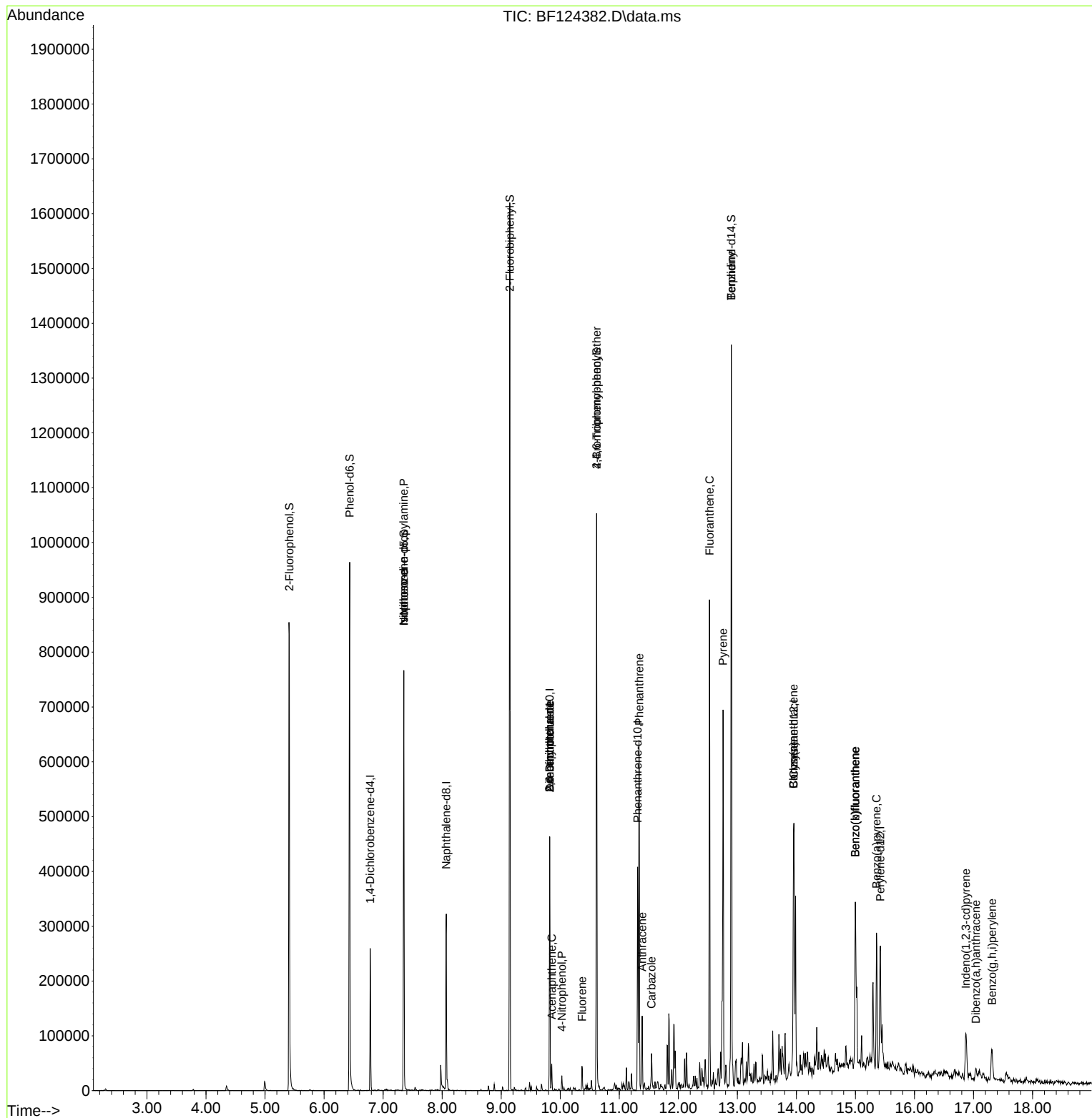
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	32572	20.00	ng	0.00
21) Naphthalene-d8	8.069	136	126427	20.00	ng	# 0.00
39) Acenaphthene-d10	9.821	164	72497	20.00	ng	0.00
64) Phenanthrene-d10	11.310	188	137891	20.00	ng	0.00
76) Chrysene-d12	13.957	240	92031	20.00	ng	0.00
86) Perylene-d12	15.421	264	92543	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	222516	102.84	ng	0.00
7) Phenol-d6	6.433	99	279899	96.24	ng	-0.01
23) Nitrobenzene-d5	7.351	82	208758	65.49	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	101186	98.52	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	404306	70.18	ng	0.00
79) Terphenyl-d14	12.898	244	389049	58.04	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	30034	14.63	ng	# 63
25) Isophorone	7.351	82	208755	36.34	ng	# 69
50) Dimethylphthalate	9.821	163	14339	2.39	ng	# 1
51) 2,6-Dinitrotoluene	9.821	165	9838	7.15	ng	# 12
52) Acenaphthene	9.857	154	11086	2.34	ng	89
56) 4-Nitrophenol	10.027	139	3442	3.74	ng	# 1
57) 2,4-Dinitrotoluene	9.821	165	9838	5.42	ng	# 17
58) Fluorene	10.368	166	11721	2.06	ng	93
67) 4-Bromophenyl-phenylether	10.616	248	7716	4.08	ng	# 1
71) Phenanthrene	11.339	178	230230	26.73	ng	97
72) Anthracene	11.386	178	43724	5.04	ng	98
73) Carbazole	11.545	167	20169	2.67	ng	# 86
75) Fluoranthene	12.527	202	307164	33.97	ng	97
77) Benzidine	12.898	184	6434	6.81	ng	# 93
78) Pyrene	12.757	202	255393	28.90	ng	97
81) Benzo(a)anthracene	13.951	228	124631	18.59	ng	96
83) Chrysene	13.951	228	124631	19.27	ng	94
87) Indeno(1,2,3-cd)pyrene	16.868	276	51140	10.38	ng	99
88) Benzo(b)fluoranthene	14.998	252	196940	27.40	ng	# 97
89) Benzo(k)fluoranthene	14.998	252	196940	28.94	ng	# 98
90) Benzo(a)pyrene	15.356	252	106437	17.05	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	12060	5.85	ng	96
92) Benzo(g,h,i)perylene	17.315	276	42516	9.84	ng	96

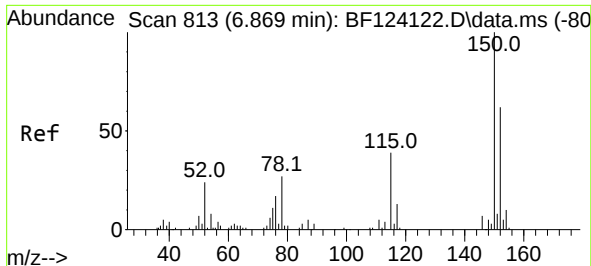
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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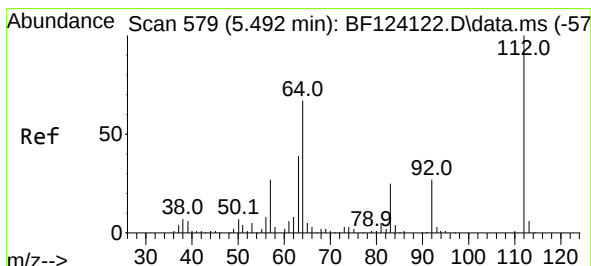
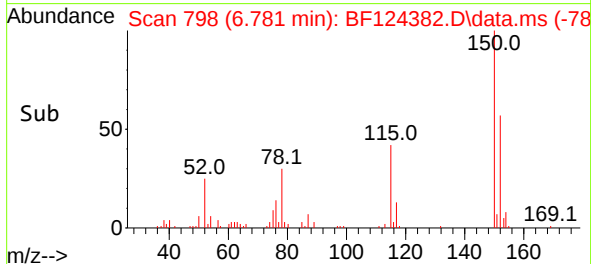
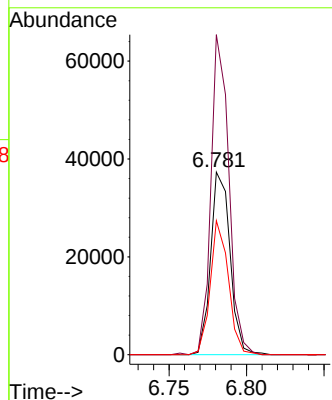
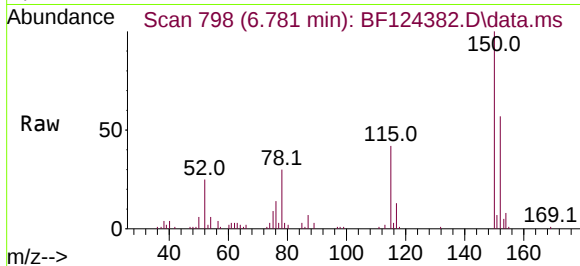




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

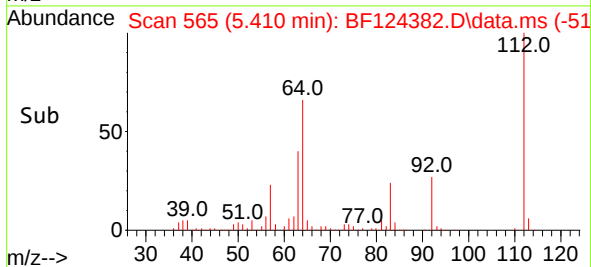
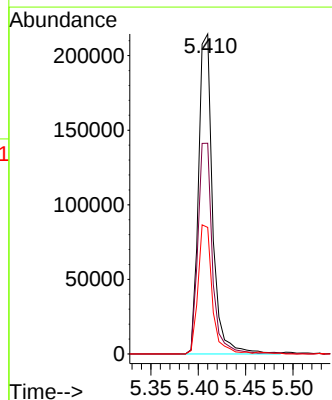
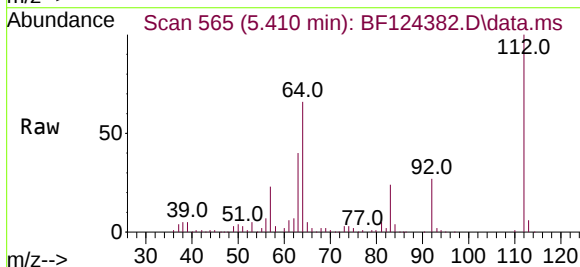
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

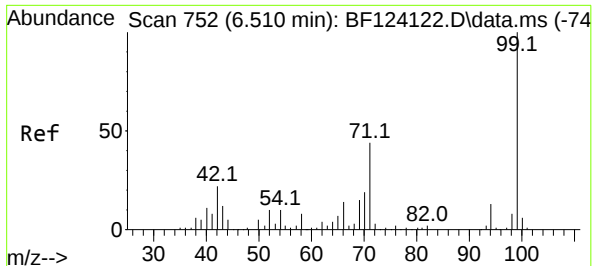
Tgt Ion:152 Resp: 32572
Ion Ratio Lower Upper
152 100
150 175.2 127.0 190.6
115 73.3 54.3 81.5



#5
2-Fluorophenol
Concen: 102.84 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:112 Resp: 222516
Ion Ratio Lower Upper
112 100
64 65.9 61.4 92.0
63 39.6 33.0 49.4

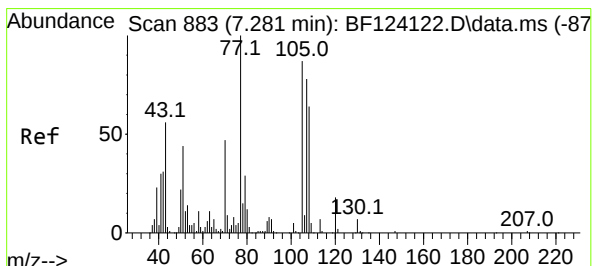
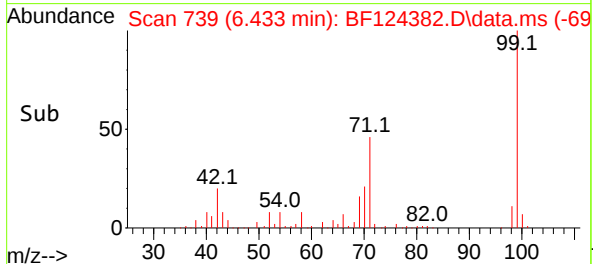
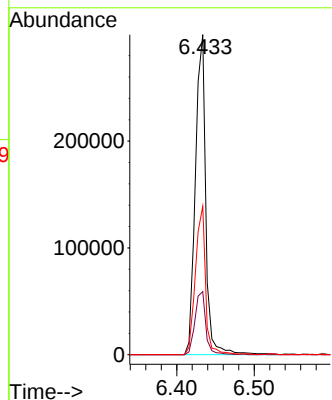
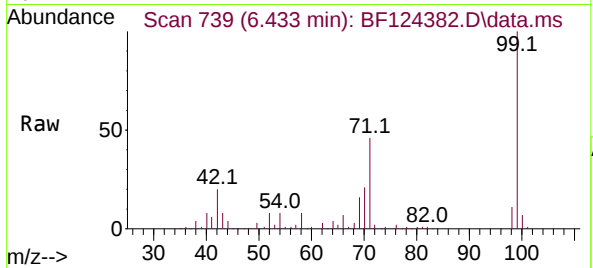




#7
Phenol-d6
Concen: 96.24 ng
RT: 6.433 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

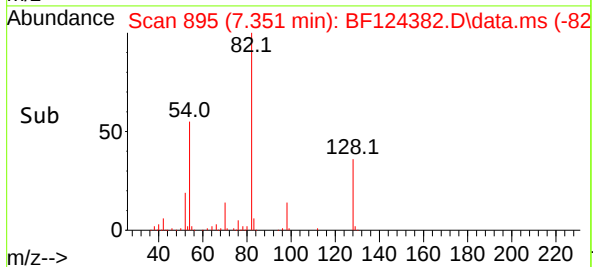
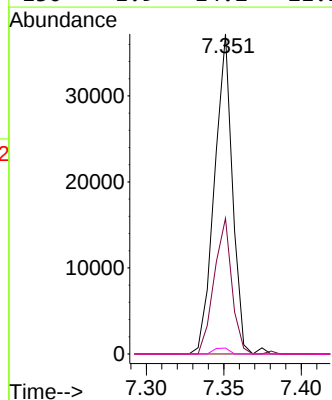
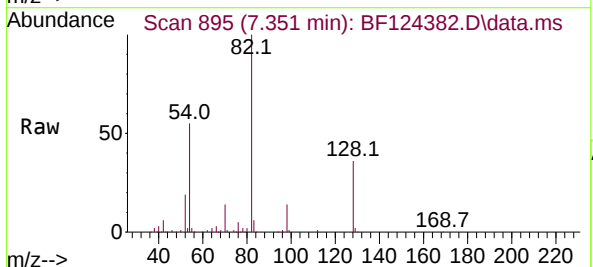
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

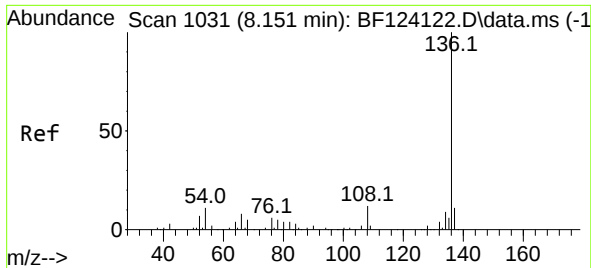
Tgt Ion: 99 Resp: 279899
Ion Ratio Lower Upper
99 100
42 19.7 19.8 29.8#
71 46.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.63 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion: 70 Resp: 30034
Ion Ratio Lower Upper
70 100
42 42.4 60.1 90.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.2#

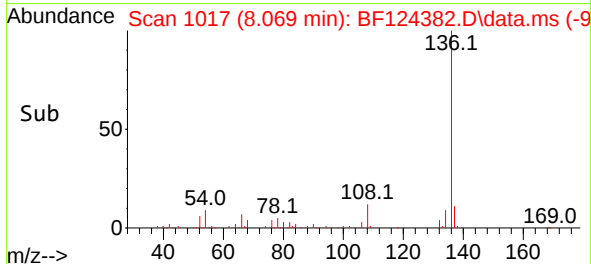
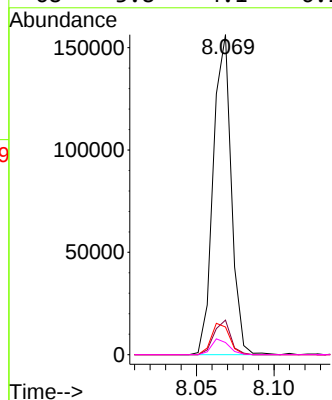
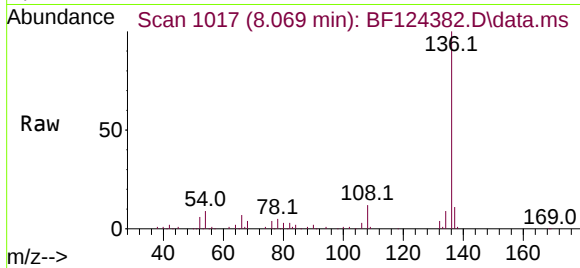




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

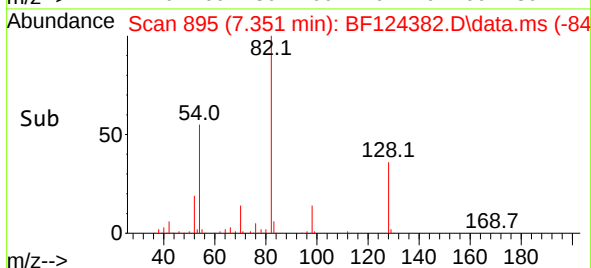
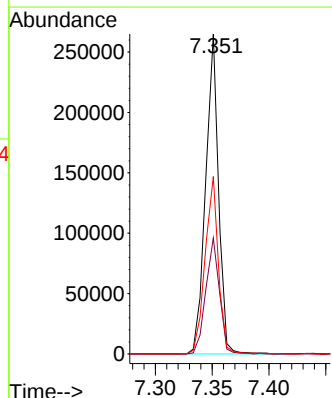
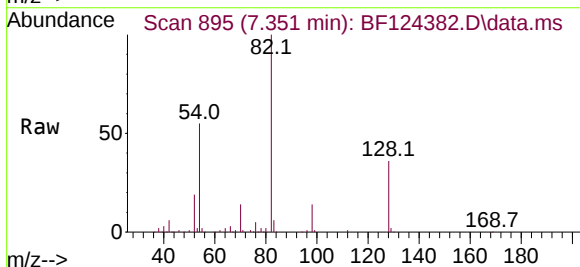
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

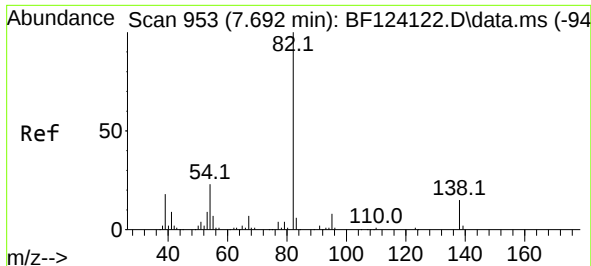
Tgt Ion:136	Resp:	126427
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.7 13.1
54	8.7	9.8 14.6#
68	3.8	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 65.49 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF124382.D
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Tgt Ion: 82	Resp:	208758
Ion Ratio	Lower	Upper
82	100	
128	36.3	29.4 44.2
54	55.5	54.1 81.1

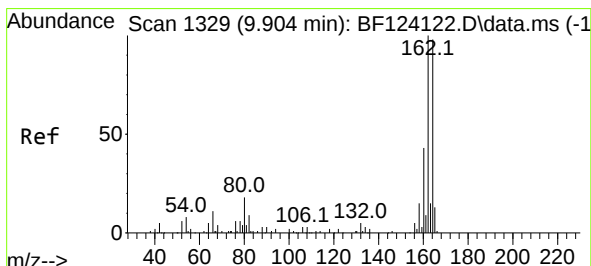
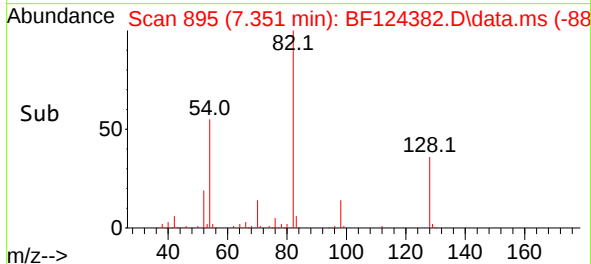
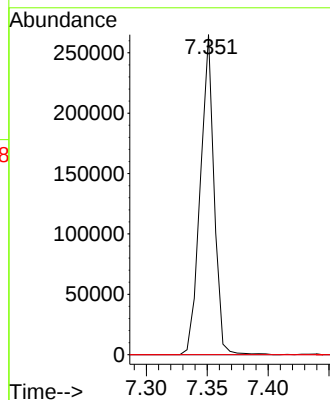
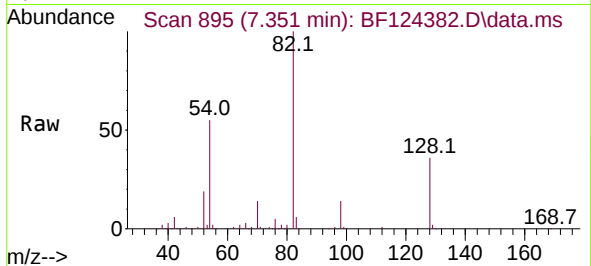




#25
Isophorone
Concen: 36.34 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

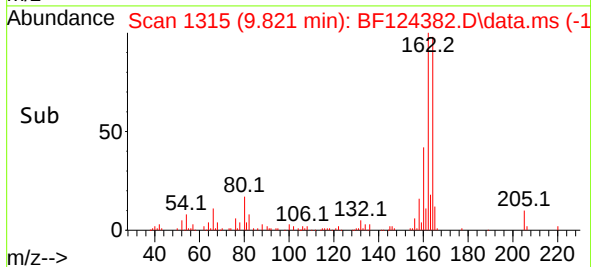
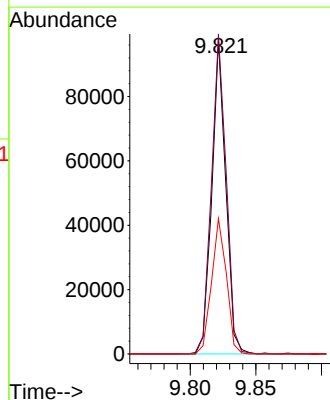
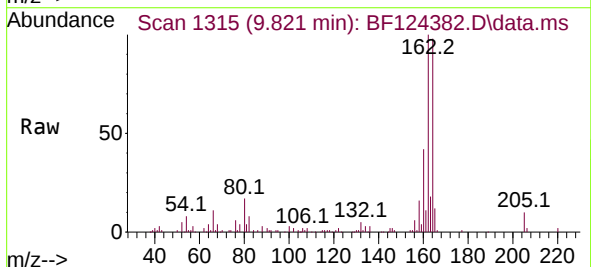
Instrument :
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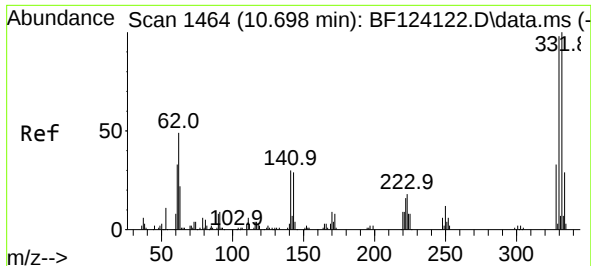
Tgt Ion: 82 Resp: 208755
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.821 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion: 164 Resp: 72497
Ion Ratio Lower Upper
164 100
162 101.9 80.7 121.1
160 43.1 37.3 55.9

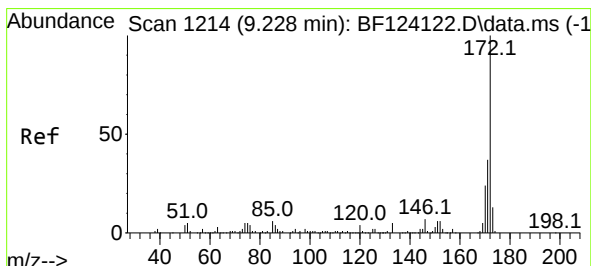
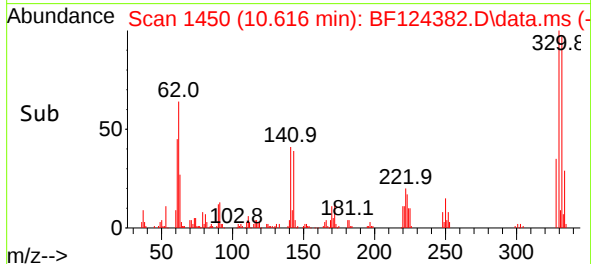
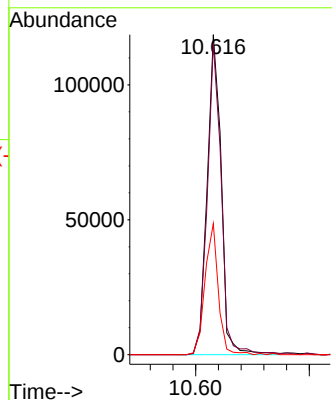
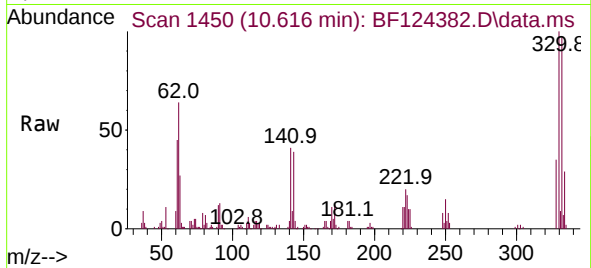




#42
2,4,6-Tribromophenol
Concen: 98.52 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

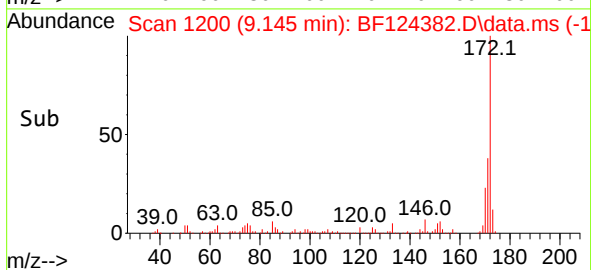
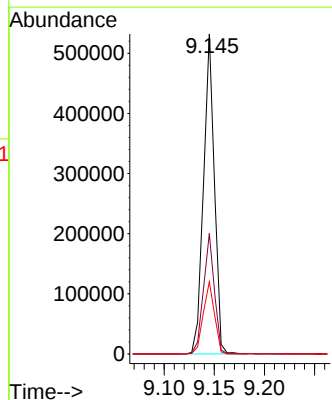
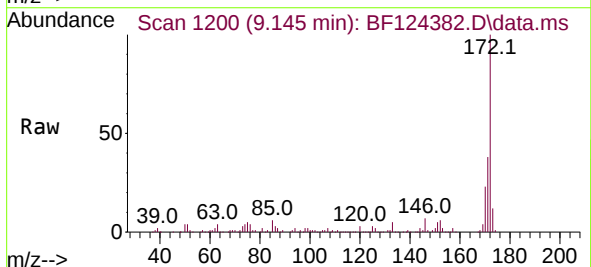
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

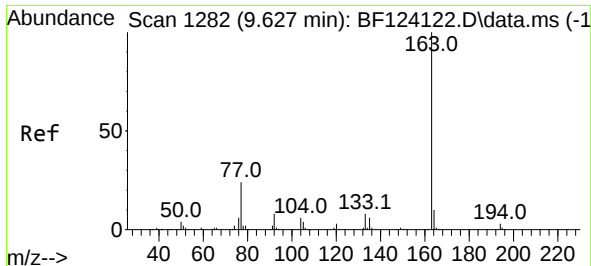
Tgt Ion: 330 Resp: 101186
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 39.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 70.18 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion: 172 Resp: 404306
Ion Ratio Lower Upper
172 100
171 37.7 28.1 42.1
170 22.6 19.2 28.8

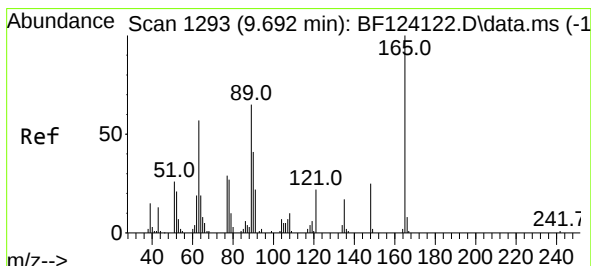
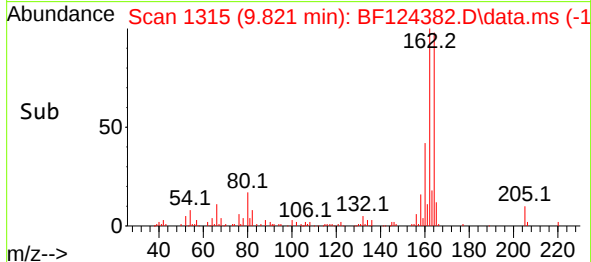
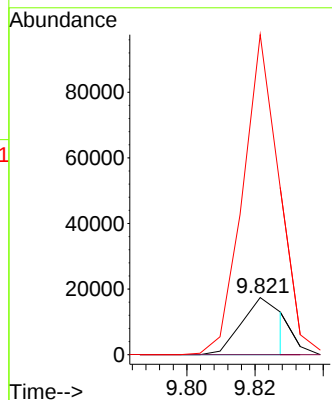
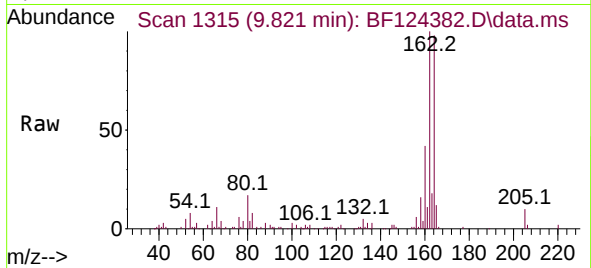




#50
Dimethylphthalate
Concen: 2.39 ng
RT: 9.821 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

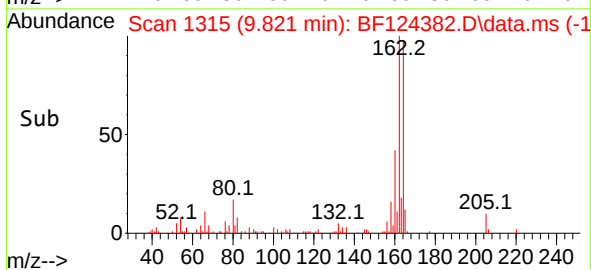
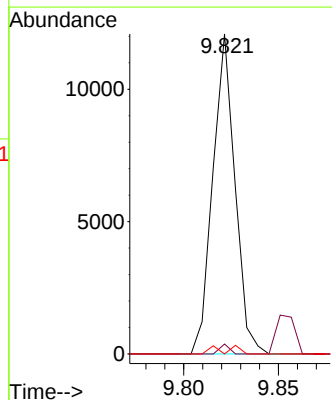
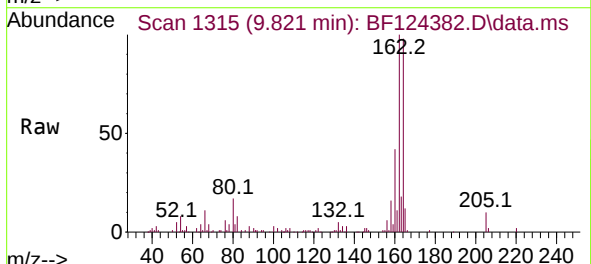
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PX-04_14.5-15.0

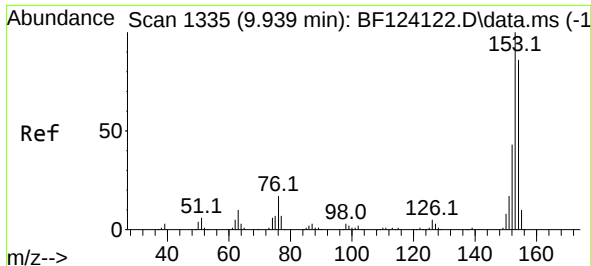
Tgt Ion:163 Resp: 14339
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 559.8 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 7.15 ng
RT: 9.821 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:165 Resp: 9838
Ion Ratio Lower Upper
165 100
63 3.1 67.7 101.5#
89 0.0 58.8 88.2#

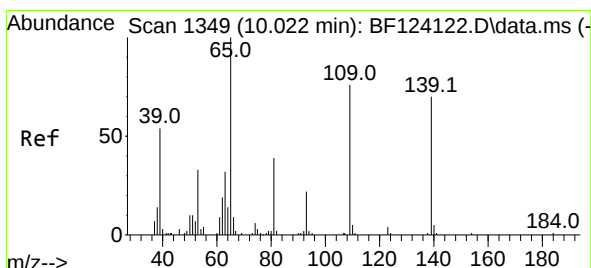
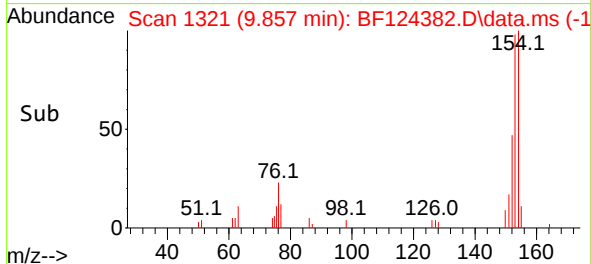
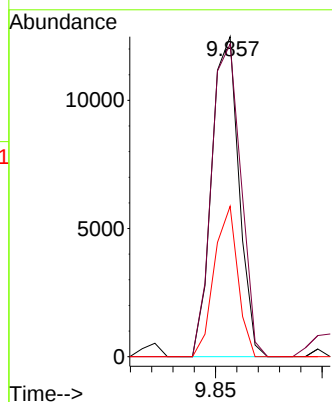
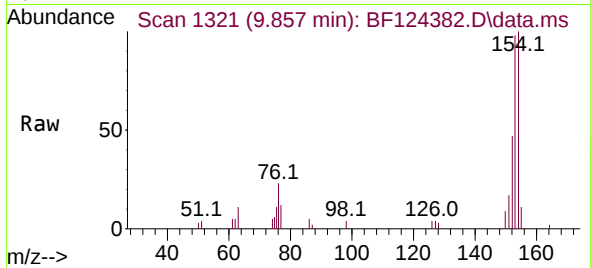




#52
Acenaphthene
Concen: 2.34 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

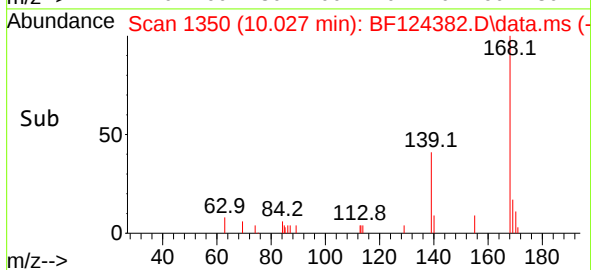
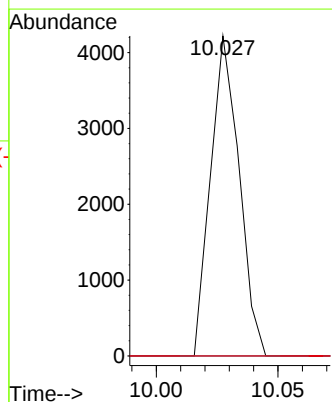
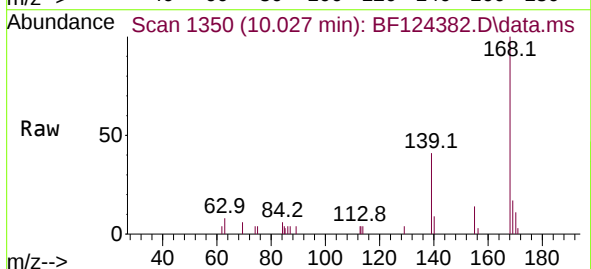
Instrument :
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ClientSampleId :
PX-04_14.5-15.0

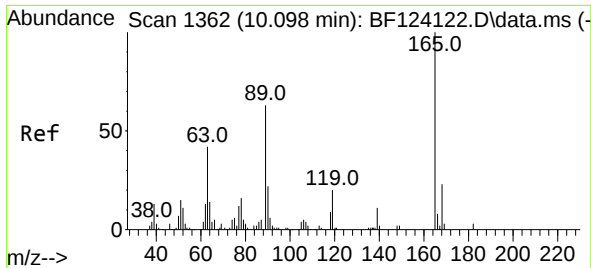
Tgt Ion:154 Resp: 11086
Ion Ratio Lower Upper
154 100
153 97.7 88.1 132.1
152 47.0 43.4 65.0



#56
4-Nitrophenol
Concen: 3.74 ng
RT: 10.027 min Scan# 1350
Delta R.T. 0.047 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:139 Resp: 3442
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#

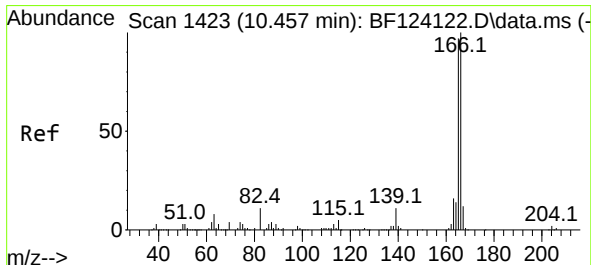
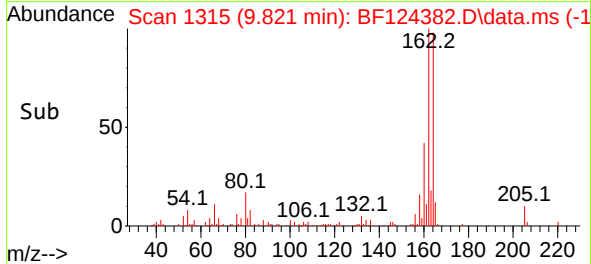
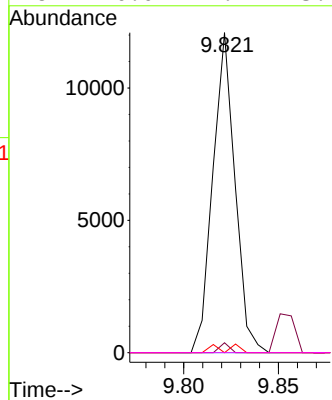
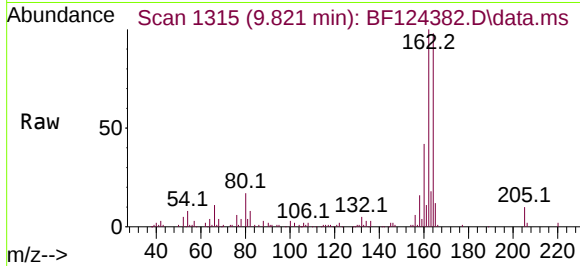




#57
2,4-Dinitrotoluene
Concen: 5.42 ng
RT: 9.821 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

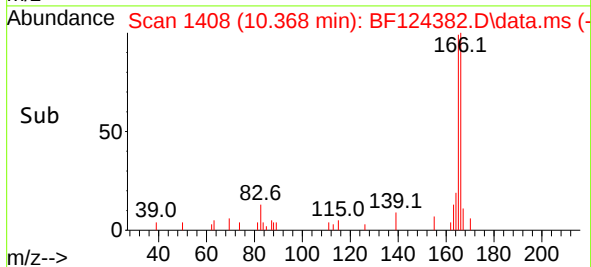
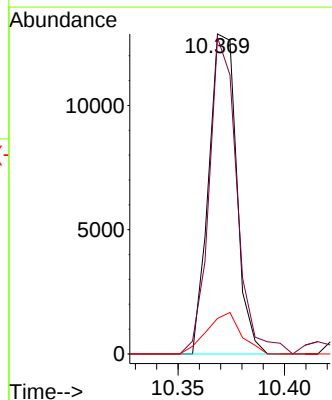
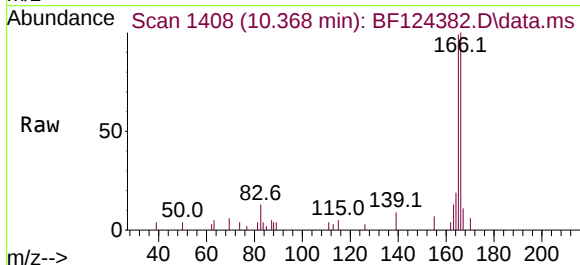
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

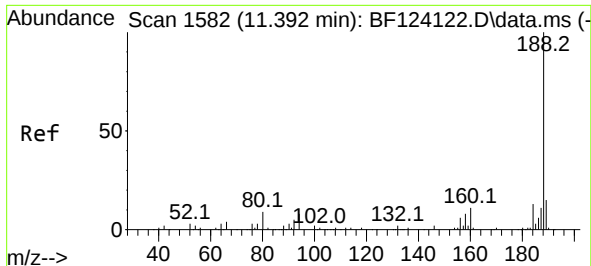
Tgt Ion:165 Resp: 9838
Ion Ratio Lower Upper
165 100
63 3.1 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 2.06 ng
RT: 10.368 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:166 Resp: 11721
Ion Ratio Lower Upper
166 100
165 98.9 73.5 110.3
167 11.1 10.7 16.1

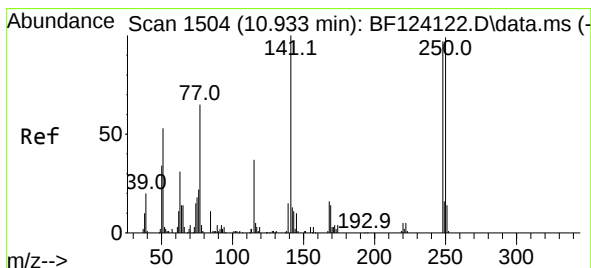
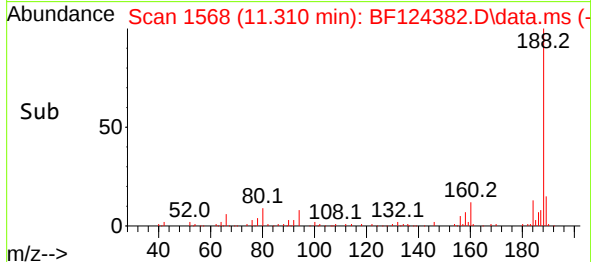
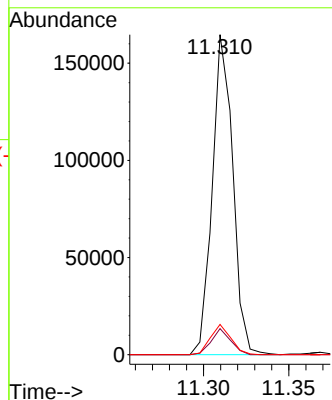
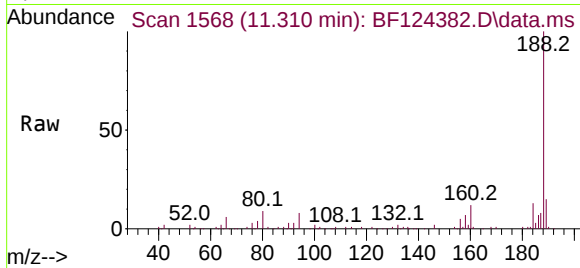




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

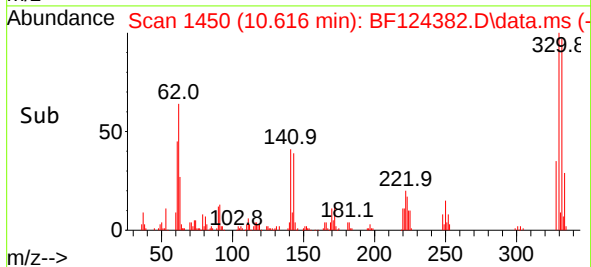
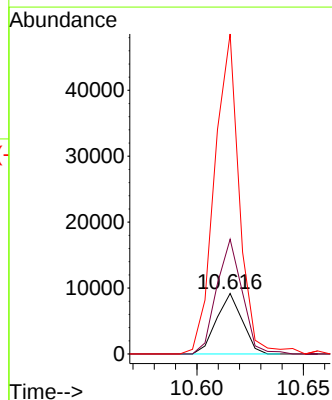
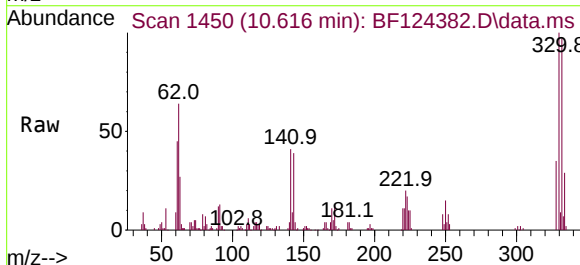
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

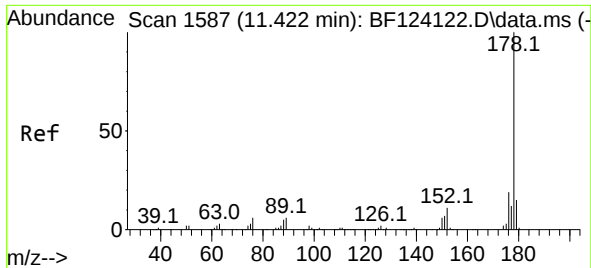
Tgt Ion:188 Resp: 137891
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 9.5 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 4.08 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:248 Resp: 7716
Ion Ratio Lower Upper
248 100
250 189.5 77.4 116.2#
141 528.8 63.7 95.5#

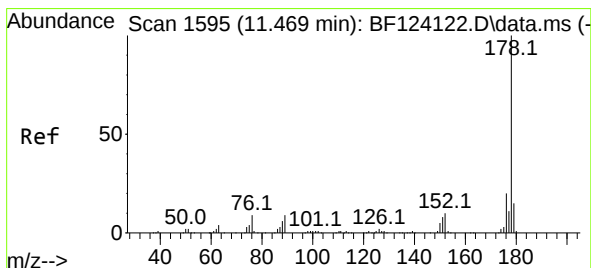
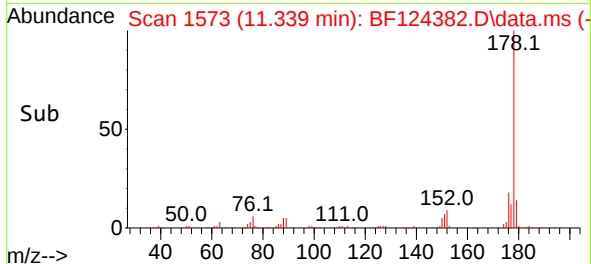
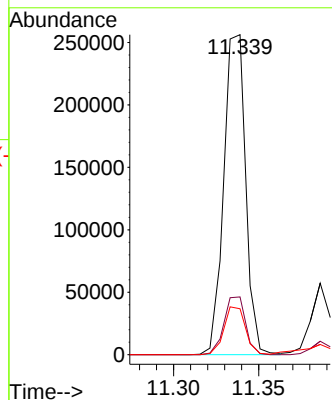
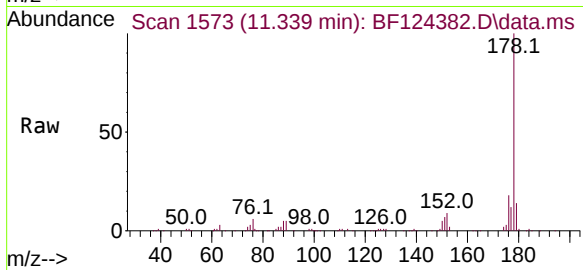




#71
Phenanthrene
Concen: 26.73 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

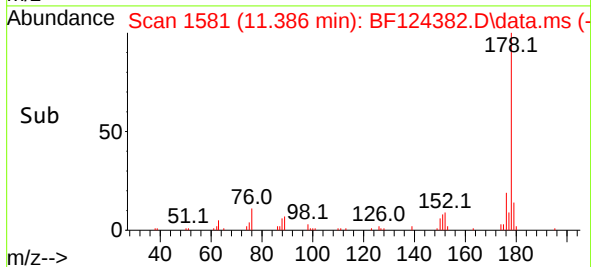
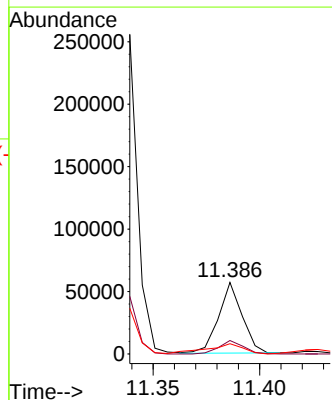
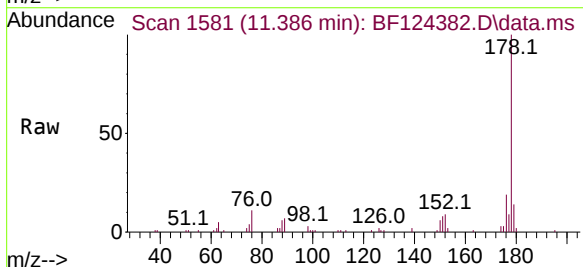
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

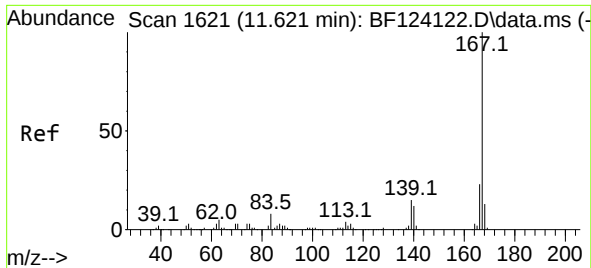
Tgt Ion:178 Resp: 230230
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 14.4 12.5 18.7



#72
Anthracene
Concen: 5.04 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:178 Resp: 43724
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 14.3 12.6 18.8

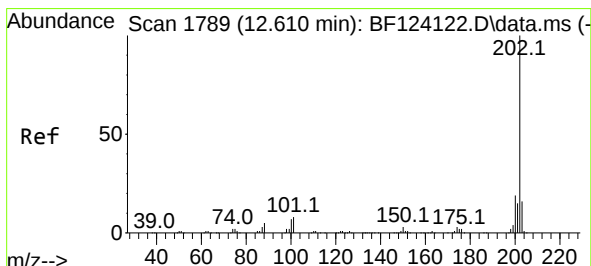
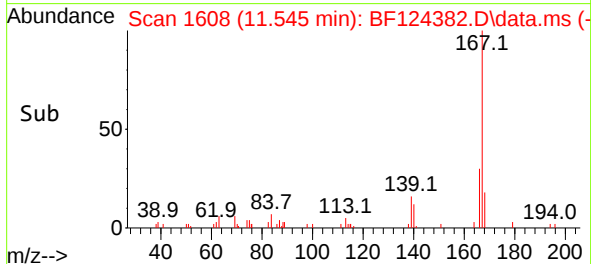
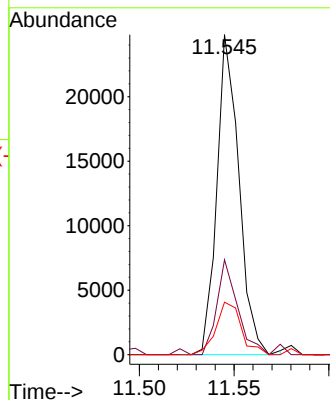
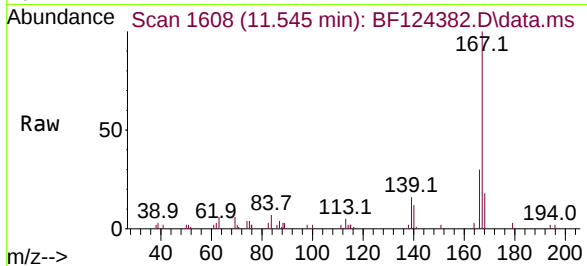




#73
 Carbazole
 Concen: 2.67 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF124382.D
 Acq: 18 Jun 2021 19:38

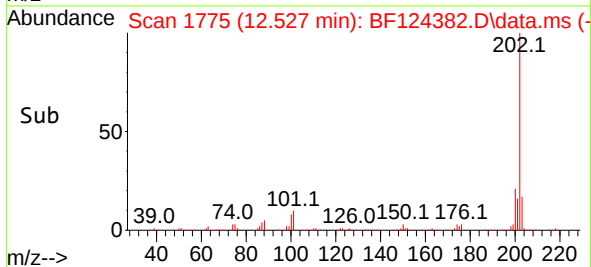
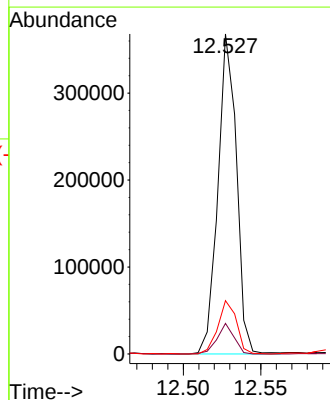
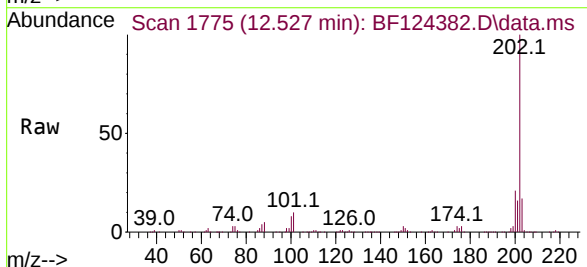
Instrument :
 BNA_F
 ClientSampleId :
 PX-04_14.5-15.0

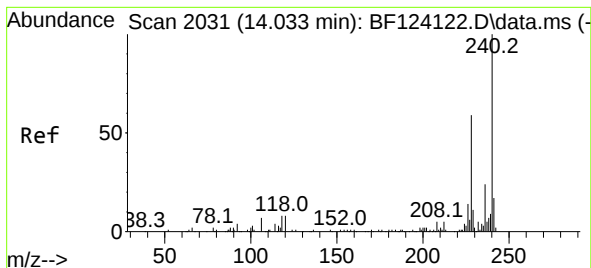
Tgt Ion:	167	Resp:	20169
Ion Ratio	Lower	Upper	
167	100		
166	29.6	17.0	25.6#
139	16.4	10.4	15.6#



#75
 Fluoranthene
 Concen: 33.97 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.006 min
 Lab File: BF124382.D
 Acq: 18 Jun 2021 19:38

Tgt Ion:	202	Resp:	307164
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	30.9
203	16.6	0.0	37.5

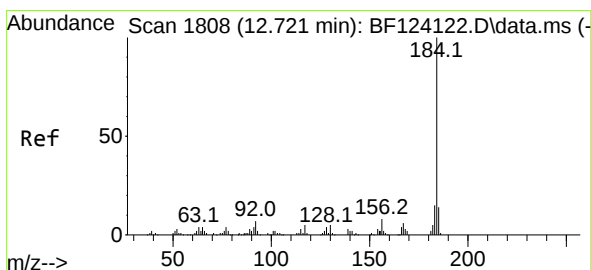
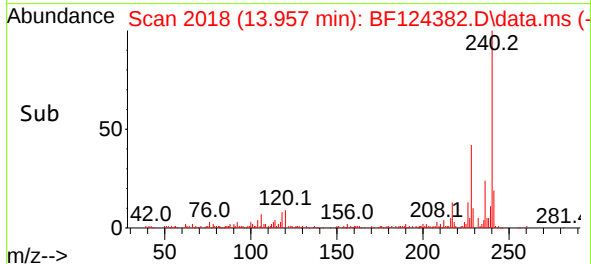
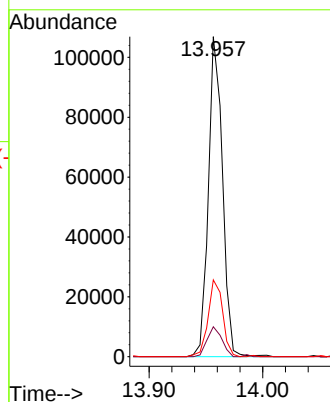
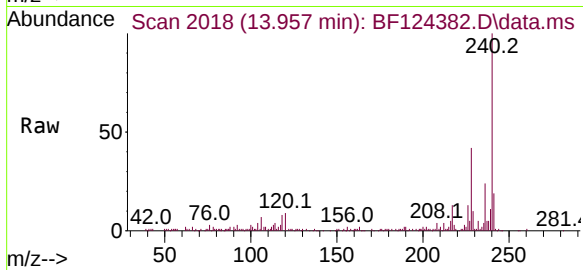




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

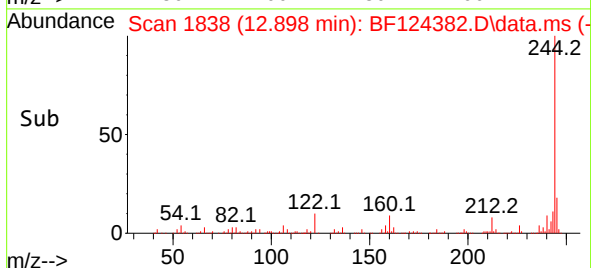
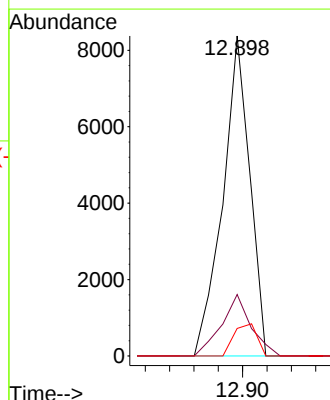
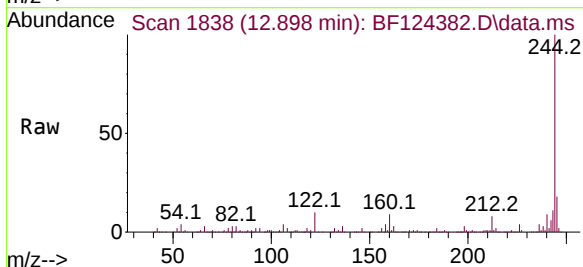
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

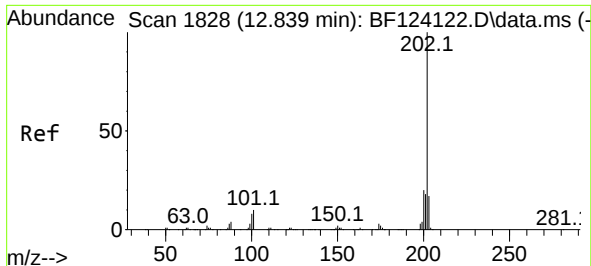
Tgt Ion:240 Resp: 92031
Ion Ratio Lower Upper
240 100
120 9.4 7.2 10.8
236 24.0 19.0 28.4



#77
Benzidine
Concen: 6.81 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.200 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:184 Resp: 6434
Ion Ratio Lower Upper
184 100
185 19.2 12.1 18.1#
183 8.6 7.8 11.8

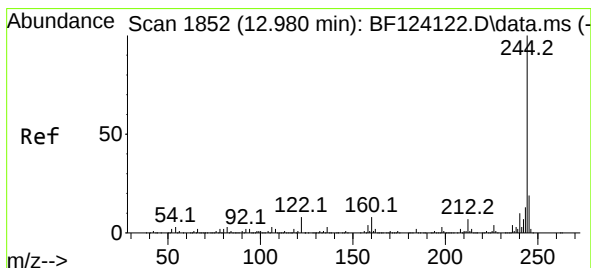
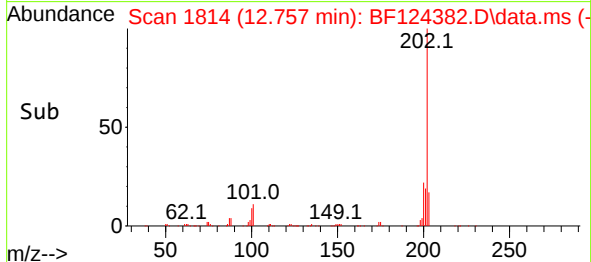
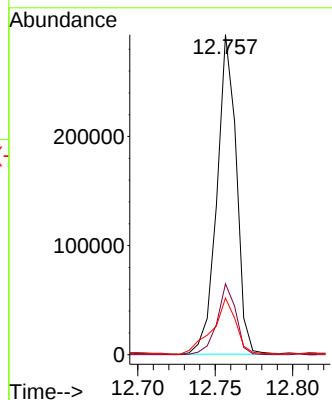
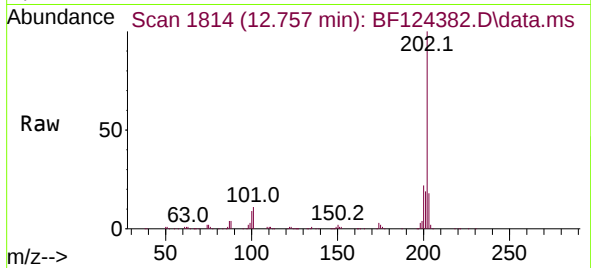




#78
 Pyrene
 Concen: 28.90 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. -0.006 min
 Lab File: BF124382.D
 Acq: 18 Jun 2021 19:38

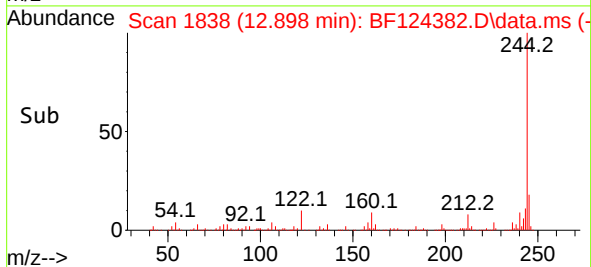
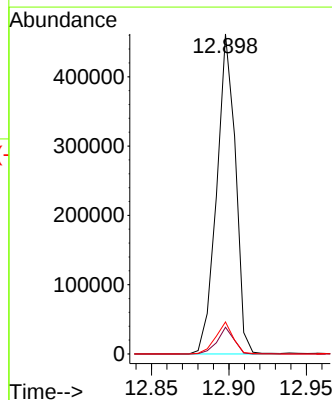
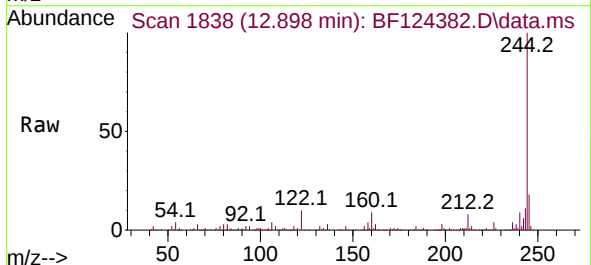
Instrument :
 BNA_F
 ClientSampleId :
 PX-04_14.5-15.0

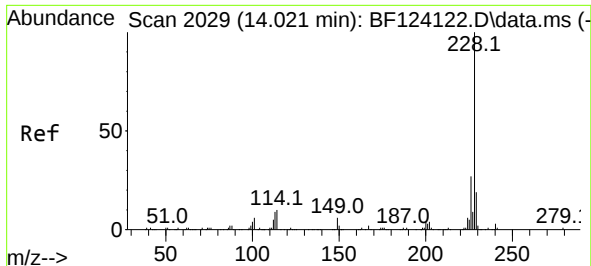
Tgt Ion:202 Resp: 255393
 Ion Ratio Lower Upper
 202 100
 200 22.2 16.1 24.1
 203 17.7 14.8 22.2



#79
 Terphenyl-d14
 Concen: 58.04 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF124382.D
 Acq: 18 Jun 2021 19:38

Tgt Ion:244 Resp: 389049
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.7 8.5
 122 10.0 9.7 14.5

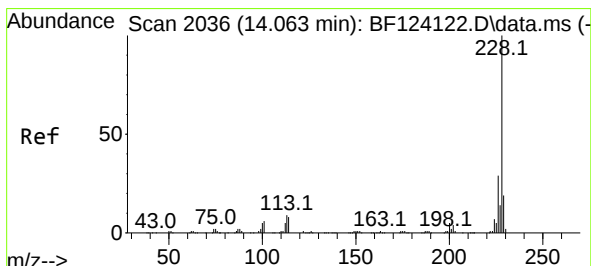
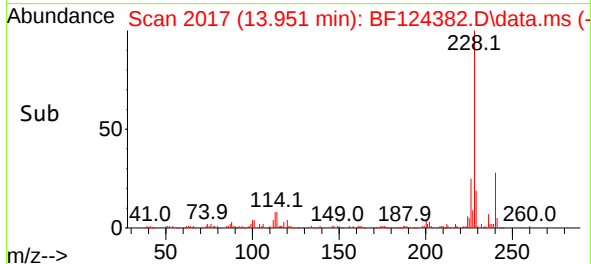
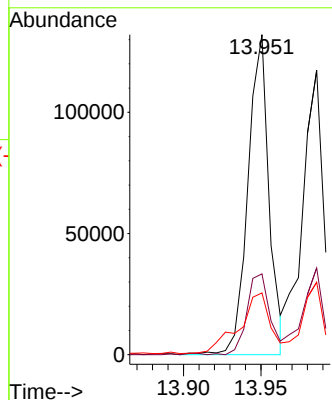
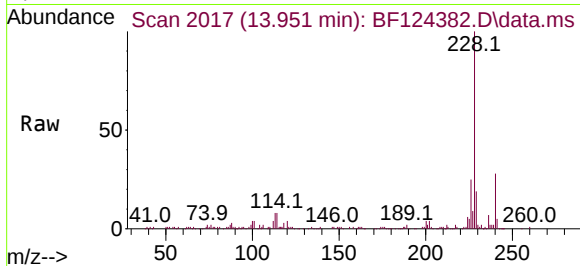




#81
Benzo(a)anthracene
Concen: 18.59 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

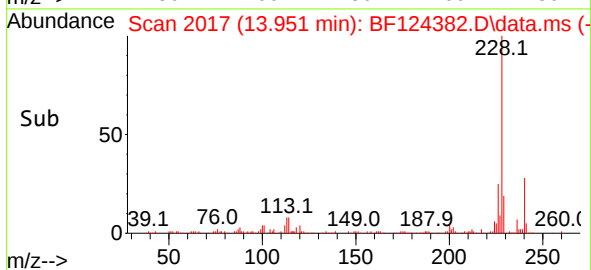
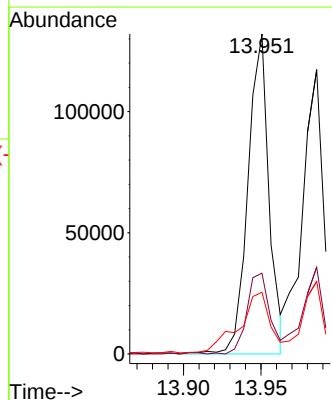
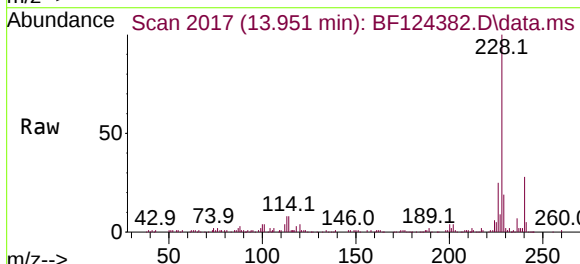
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

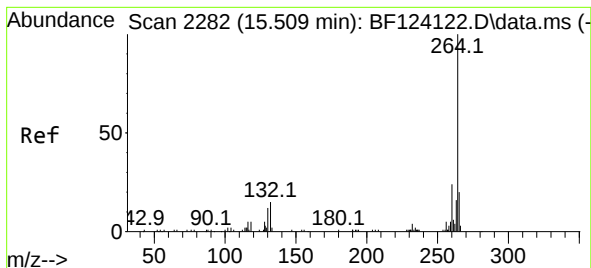
Tgt Ion:228 Resp: 124631
Ion Ratio Lower Upper
228 100
226 25.3 22.4 33.6
229 19.3 16.0 24.0



#83
Chrysene
Concen: 19.27 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.041 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:228 Resp: 124631
Ion Ratio Lower Upper
228 100
226 25.3 24.3 36.5
229 19.3 16.2 24.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.006 min

Lab File: BF124382.D

Acq: 18 Jun 2021 19:38

Tgt Ion:264 Resp: 92543

Ion Ratio Lower Upper

264 100

260 22.3 18.7 28.1

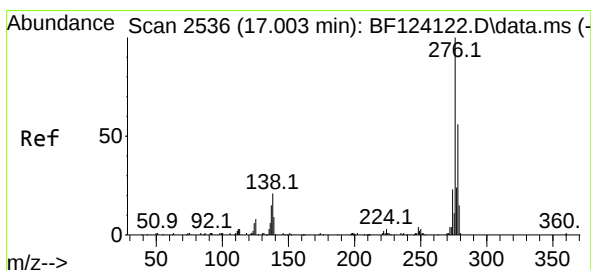
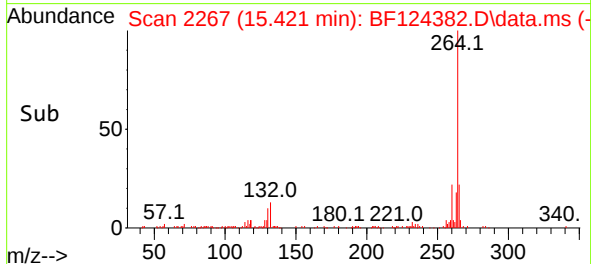
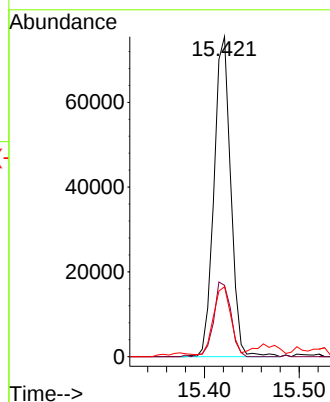
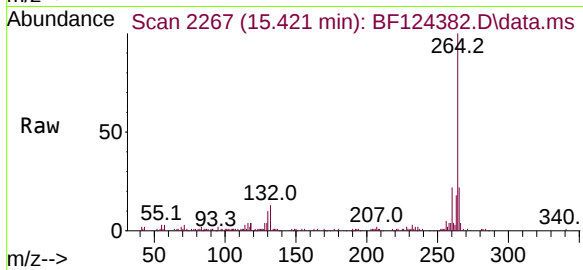
265 21.8 17.8 26.8

Instrument :

BNA_F

ClientSampleId :

PX-04_14.5-15.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.38 ng

RT: 16.868 min Scan# 2513

Delta R.T. -0.006 min

Lab File: BF124382.D

Acq: 18 Jun 2021 19:38

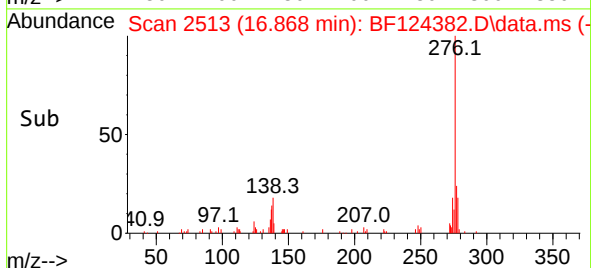
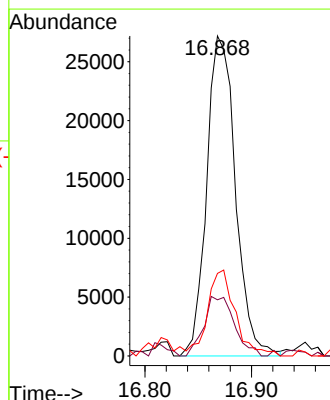
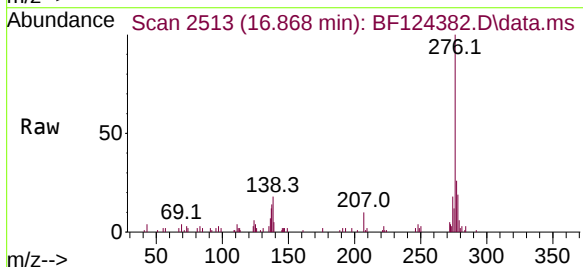
Tgt Ion:276 Resp: 51140

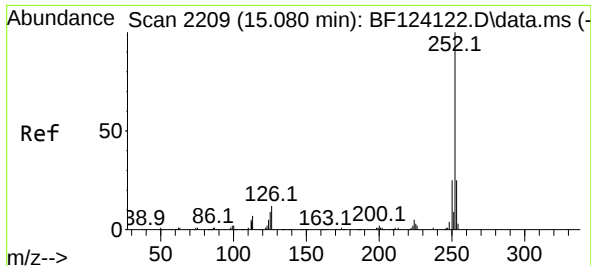
Ion Ratio Lower Upper

276 100

138 19.6 16.2 24.2

277 25.7 20.1 30.1

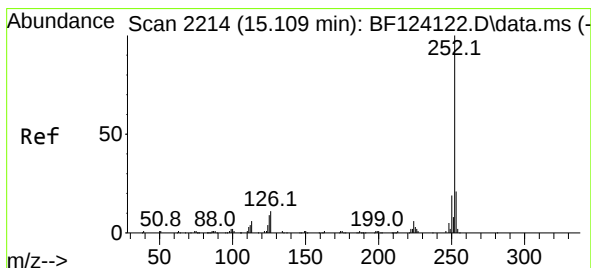
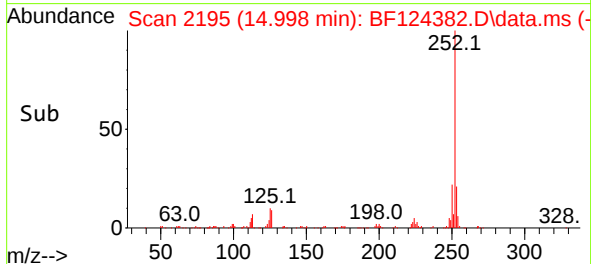
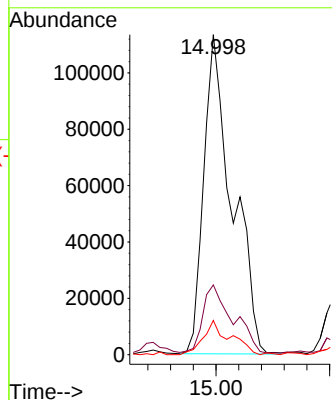
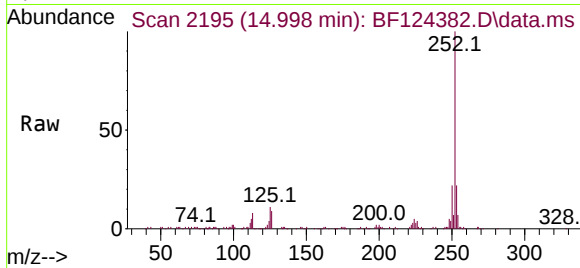




#88
Benzo(b)fluoranthene
Concen: 27.40 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

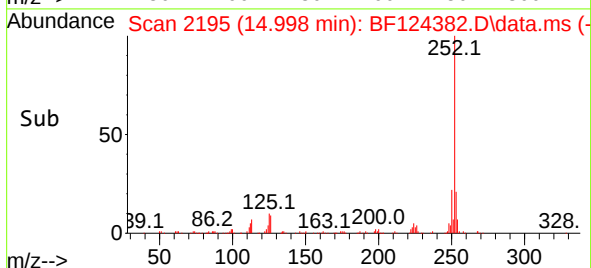
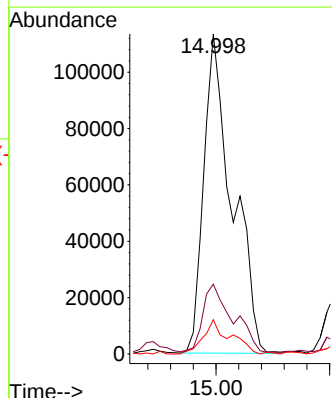
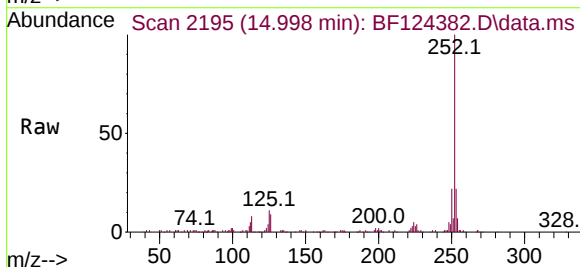
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

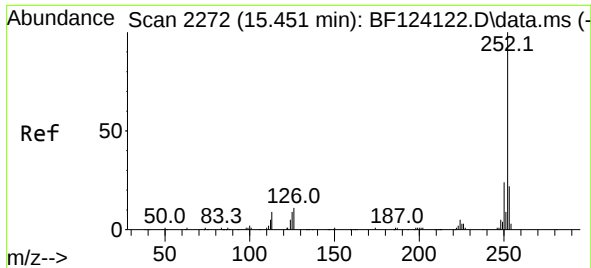
Tgt Ion:252 Resp: 196940
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 10.7 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 28.94 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:252 Resp: 196940
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 10.7 7.0 10.6#

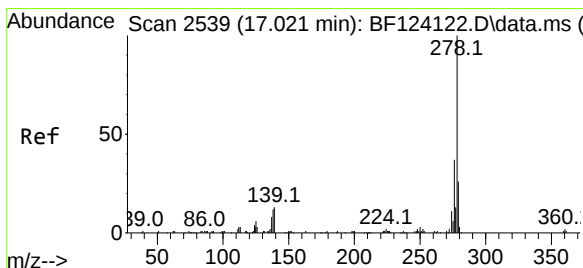
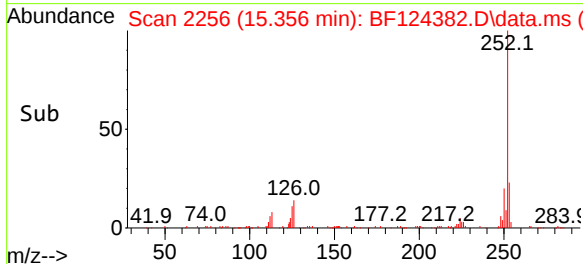
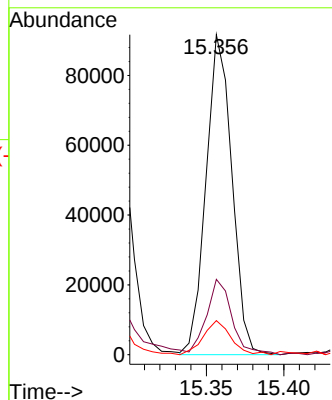
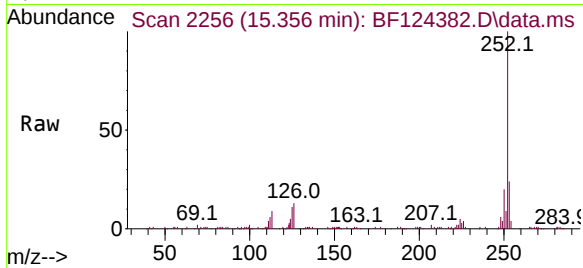




#90
Benzo(a)pyrene
Concen: 17.05 ng
RT: 15.356 min Scan# 2256
Delta R.T. -0.000 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

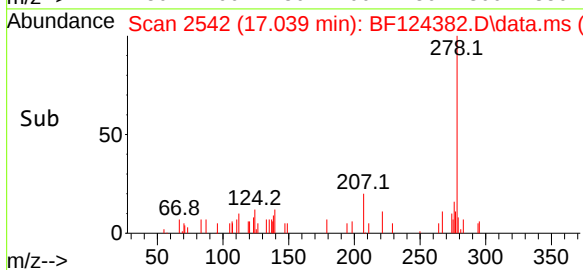
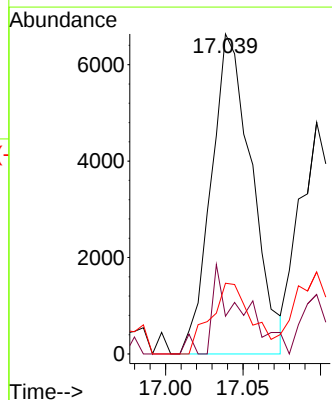
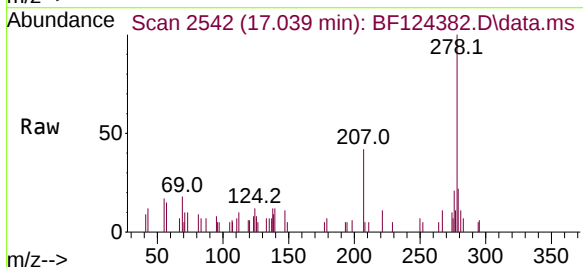
Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

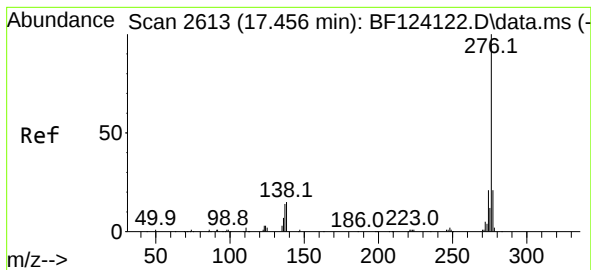
Tgt Ion:252 Resp: 106437
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 10.7 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 5.85 ng
RT: 17.039 min Scan# 2542
Delta R.T. 0.153 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Tgt Ion:278 Resp: 12060
Ion Ratio Lower Upper
278 100
139 11.8 10.2 15.2
279 22.1 19.4 29.0





#92
Benzo(g,h,i)perylene
Concen: 9.84 ng
RT: 17.315 min Scan# 2589
Delta R.T. -0.000 min
Lab File: BF124382.D
Acq: 18 Jun 2021 19:38

Instrument :
BNA_F
ClientSampleId :
PX-04_14.5-15.0

Tgt Ion:	276	Resp:	42516
Ion Ratio	Lower	Upper	
276	100		
277	19.8	18.2	27.2
138	16.7	13.8	20.6

