

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124522.D
 Acq On : 2 Jul 2021 17:15
 Operator : JU/CG
 Sample : M2904-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Jul 03 01:44:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 02 14:41:35 2021
 Response via : Initial Calibration

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

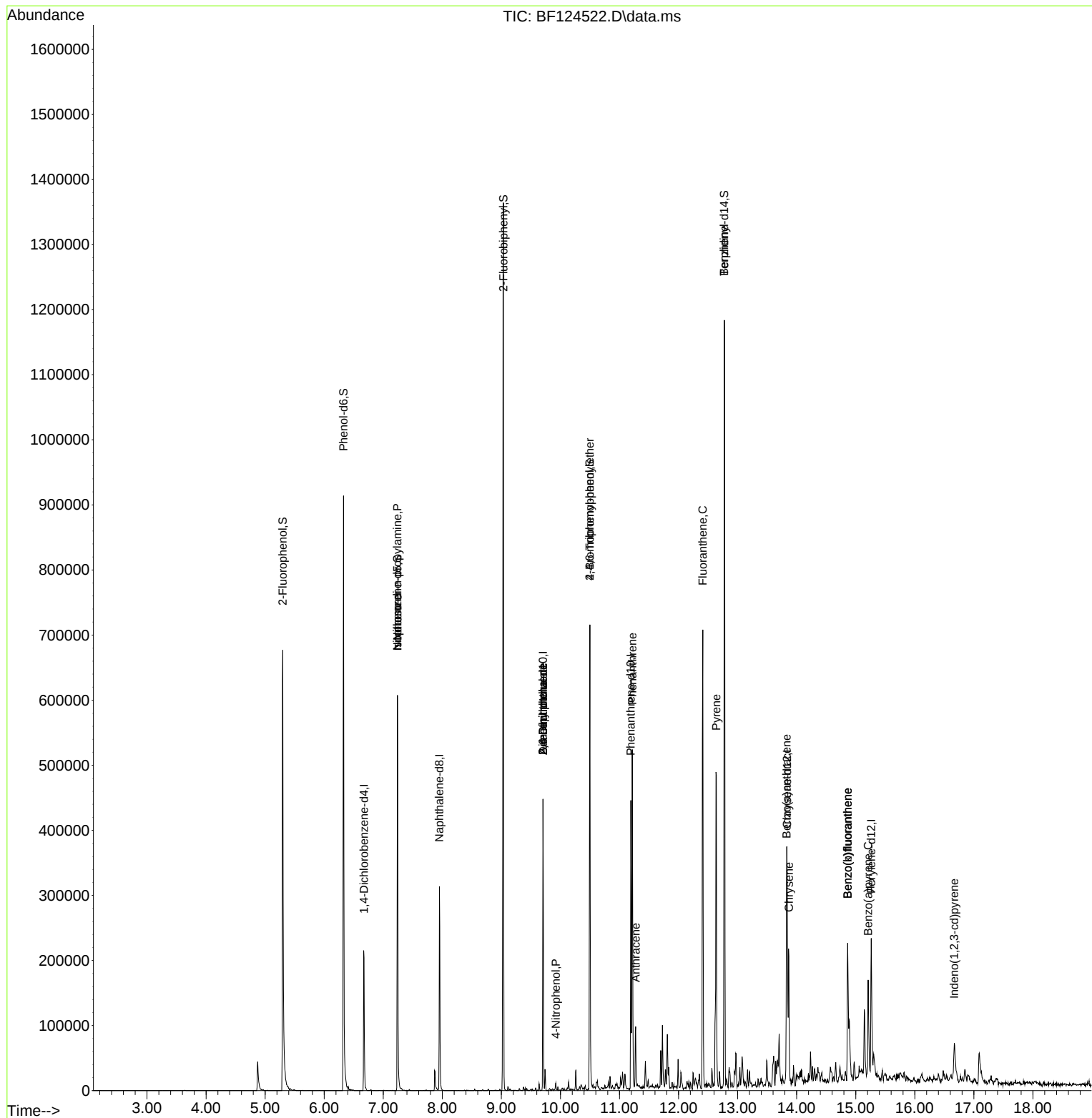
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.675	152	34390	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	125859	20.00	ng	# 0.00
39) Acenaphthene-d10	9.704	164	78368	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	140681	20.00	ng	0.00
76) Chrysene-d12	13.839	240	87976	20.00	ng	0.00
86) Perylene-d12	15.262	264	84665	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	200240	91.57	ng	0.00
7) Phenol-d6	6.328	99	249297	87.31	ng	0.00
23) Nitrobenzene-d5	7.239	82	187491	61.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	69967	74.73	ng	0.00
45) 2-Fluorobiphenyl	9.033	172	395531	61.83	ng	0.00
79) Terphenyl-d14	12.774	244	378299	64.41	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.239	70	27735	14.44	ng	# 60
25) Isophorone	7.239	82	187491	35.93	ng	# 69
50) Dimethylphthalate	9.704	163	14710	2.38	ng	# 1
51) 2,6-Dinitrotoluene	9.704	165	11611	8.14	ng	# 13
56) 4-Nitrophenol	9.922	139	1576	2.38	ng	# 1
57) 2,4-Dinitrotoluene	9.704	165	11611	6.14	ng	# 19
67) 4-Bromophenyl-phenylether	10.498	248	4162	2.20	ng	# 1
71) Phenanthrene	11.216	178	176278	19.88	ng	97
72) Anthracene	11.274	178	39840	4.51	ng	96
75) Fluoranthene	12.410	202	260646	29.21	ng	97
77) Benzidine	12.774	184	5774	3.27	ng	97
78) Pyrene	12.639	202	205463	25.59	ng	99
81) Benzo(a)anthracene	13.827	228	93016	14.66	ng	98
83) Chrysene	13.868	228	82296	13.09	ng	94
87) Indeno(1,2,3-cd)pyrene	16.668	276	46646	6.99	ng	96
88) Benzo(b)fluoranthene	14.862	252	142858	22.27	ng	# 95
89) Benzo(k)fluoranthene	14.862	252	142858	24.34	ng	96
90) Benzo(a)pyrene	15.209	252	71781	12.59	ng	97

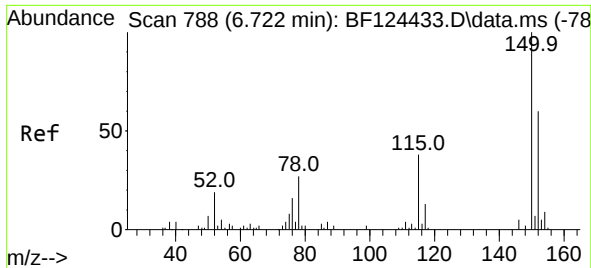
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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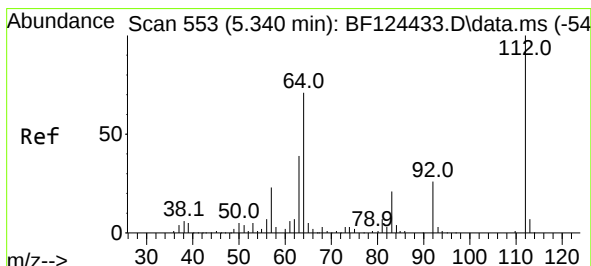
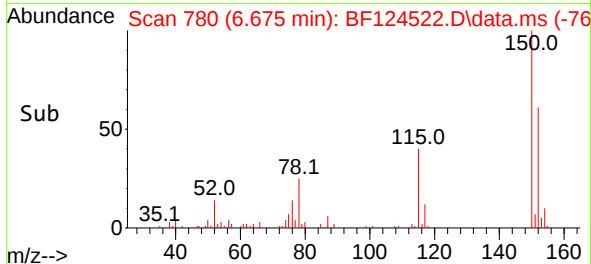
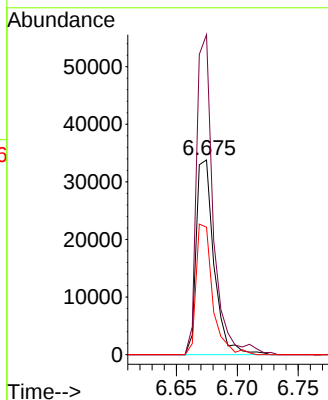
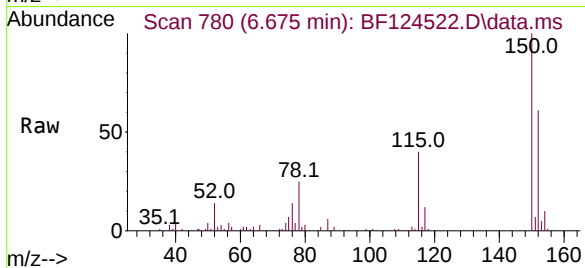




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

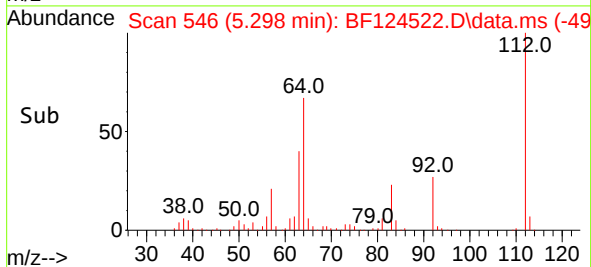
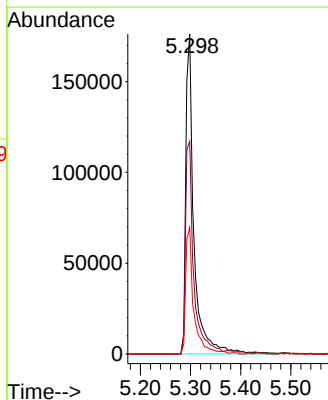
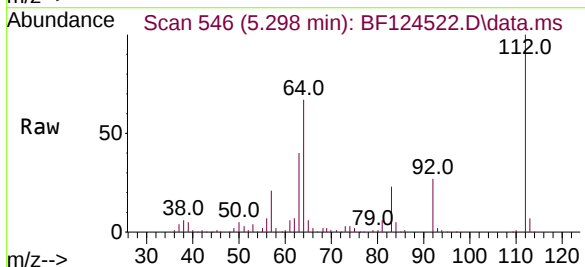
Instrument :
BNA_F
ClientSampleId :
COMP-2

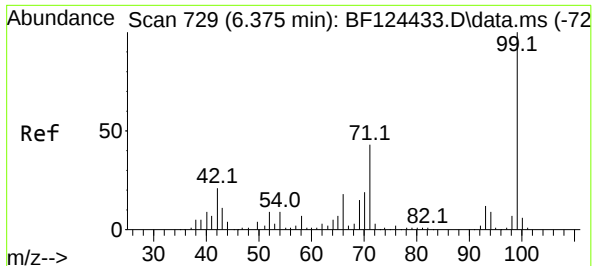
Tgt Ion:152 Resp: 34390
Ion Ratio Lower Upper
152 100
150 164.3 127.0 190.6
115 65.5 54.3 81.5



#5
2-Fluorophenol
Concen: 91.57 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:112 Resp: 200240
Ion Ratio Lower Upper
112 100
64 66.5 61.4 92.0
63 39.5 33.0 49.4

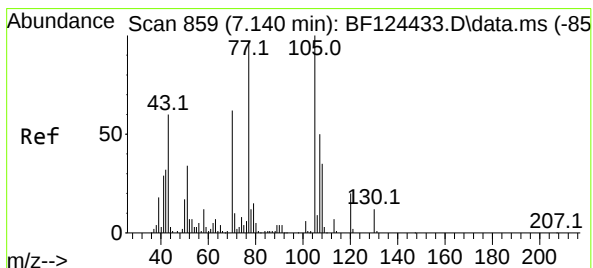
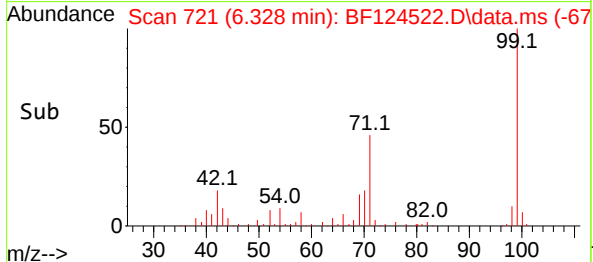
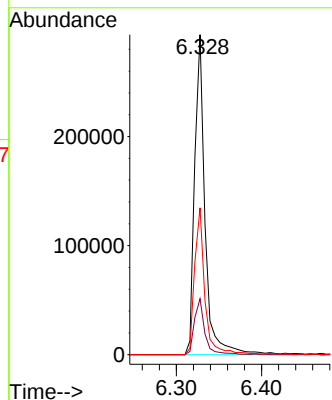
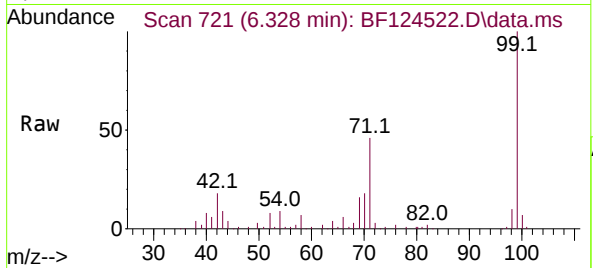




#7
Phenol-d6
Concen: 87.31 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

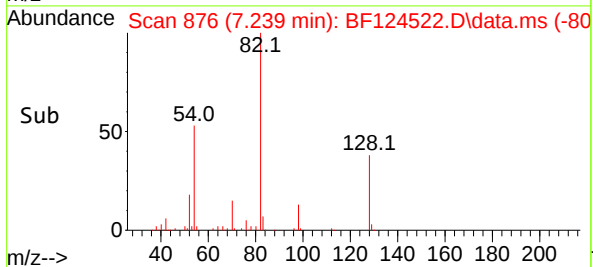
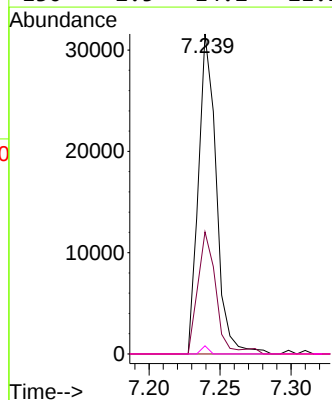
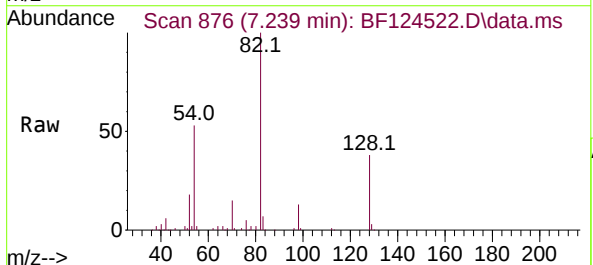
Instrument :
BNA_F
ClientSampleId :
COMP-2

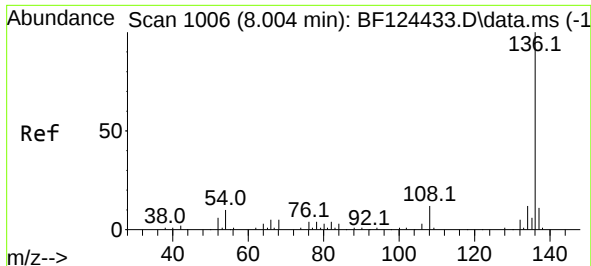
Tgt Ion: 99 Resp: 249297
Ion Ratio Lower Upper
99 100
42 17.5 19.8 29.8#
71 45.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.44 ng
RT: 7.239 min Scan# 876
Delta R.T. 0.141 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion: 70 Resp: 27735
Ion Ratio Lower Upper
70 100
42 38.2 60.1 90.1#
101 0.0 7.4 11.2#
130 2.5 14.2 21.2#

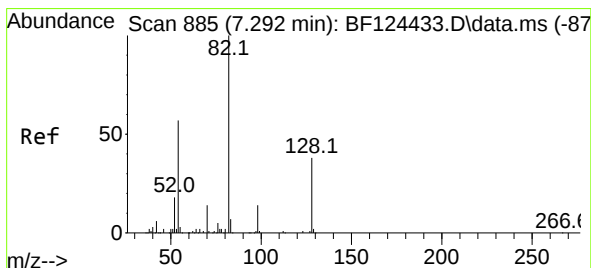
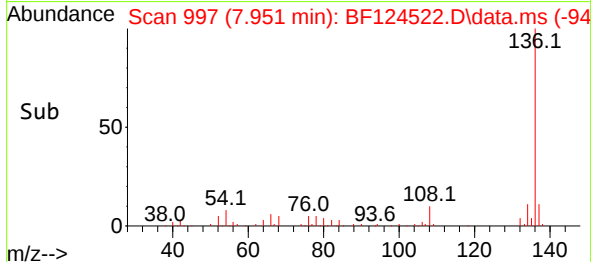
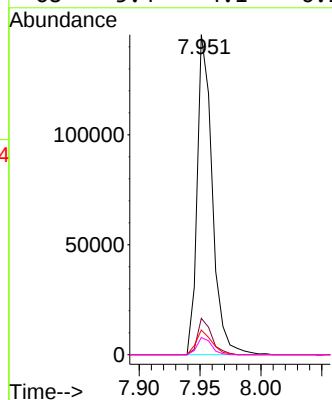
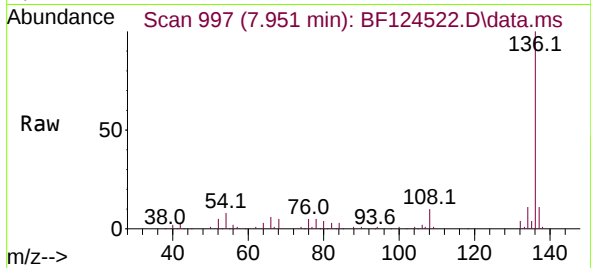




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

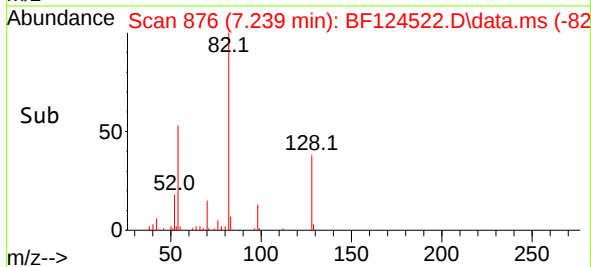
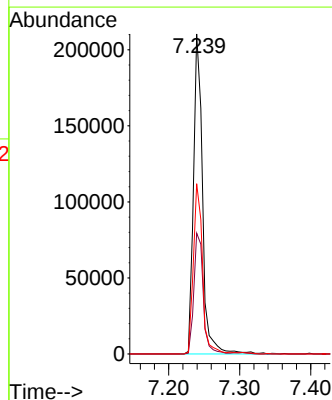
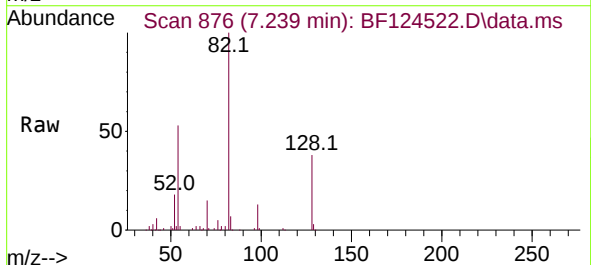
Instrument :
BNA_F
ClientSampleId :
COMP-2

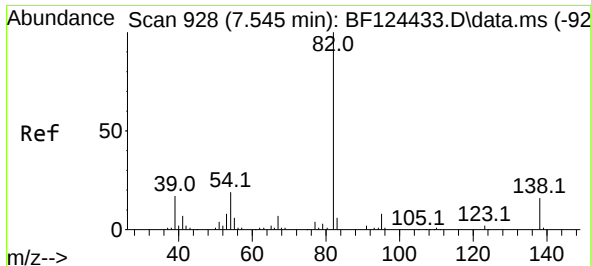
Tgt Ion:136	Resp:	125859
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.7 13.1
54	7.7	9.8 14.6#
68	5.4	4.1 6.1



#23
Nitrobenzene-d5
Concen: 61.77 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion: 82	Resp:	187491
Ion Ratio	Lower	Upper
82	100	
128	37.8	29.4 44.2
54	53.2	54.1 81.1#

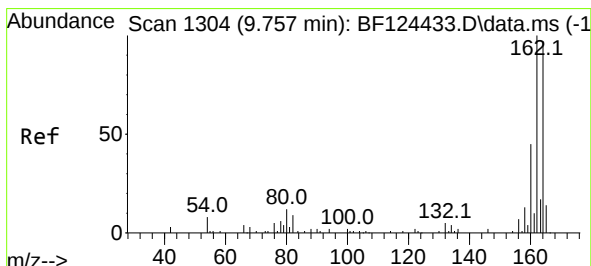
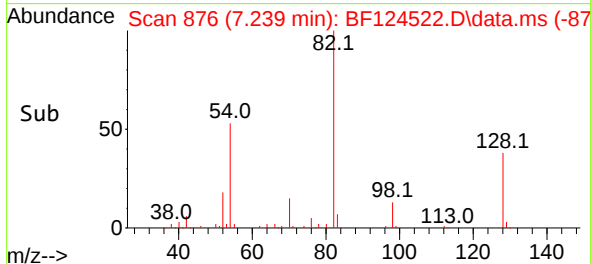
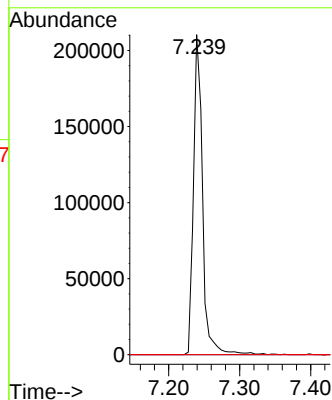
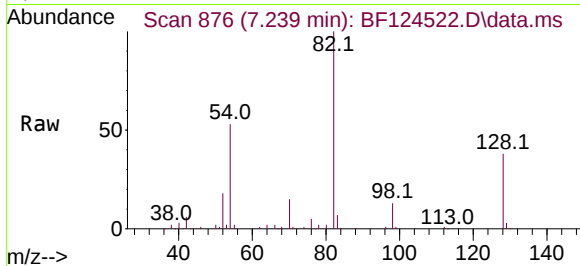




#25
Isophorone
Concen: 35.93 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.265 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

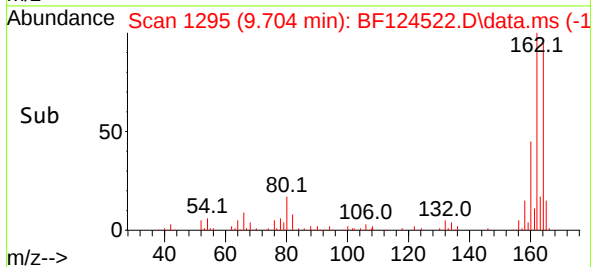
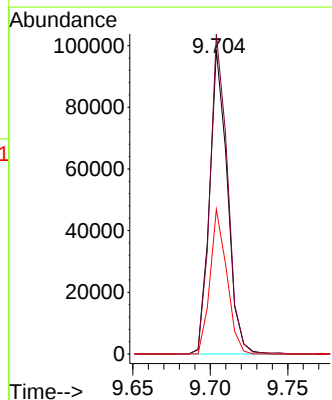
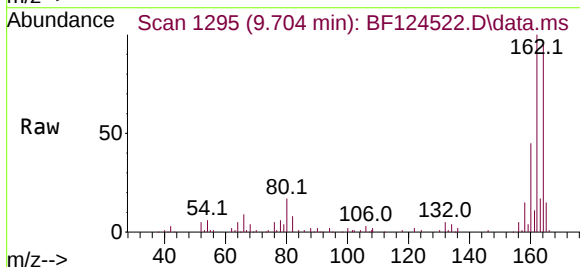
Instrument :
BNA_F
ClientSampleID :
COMP-2

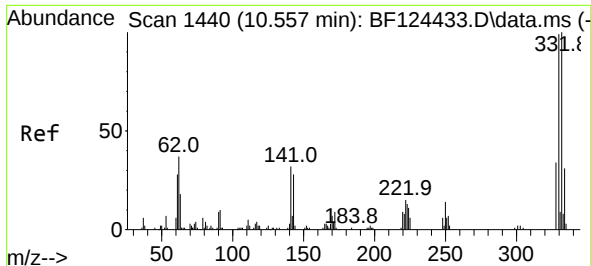
Tgt Ion: 82 Resp: 187491
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:164 Resp: 78368
Ion Ratio Lower Upper
164 100
162 105.2 80.7 121.1
160 47.5 37.3 55.9

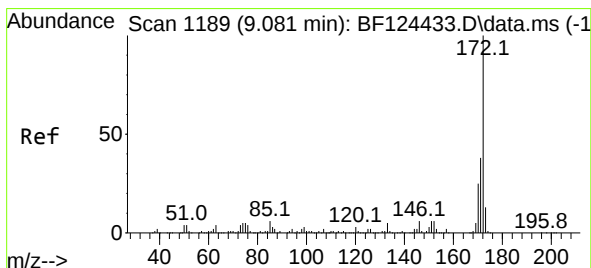
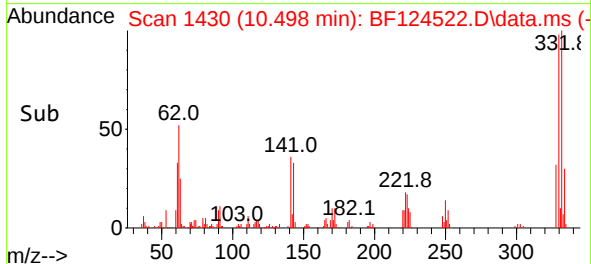
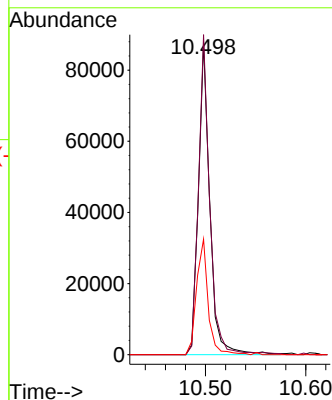
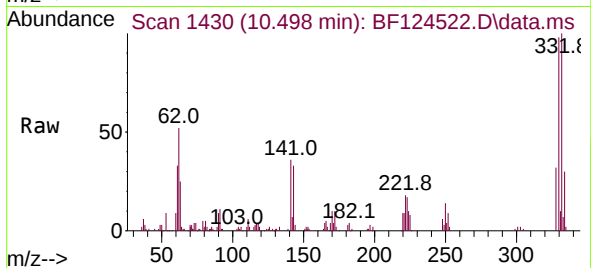




#42
2,4,6-Tribromophenol
Concen: 74.73 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

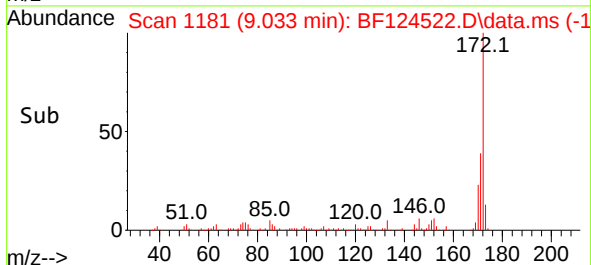
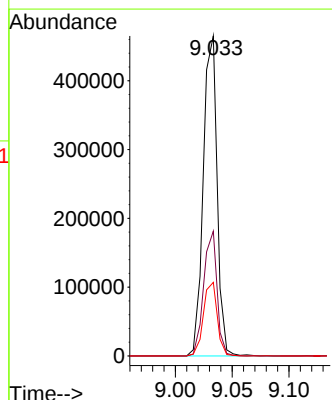
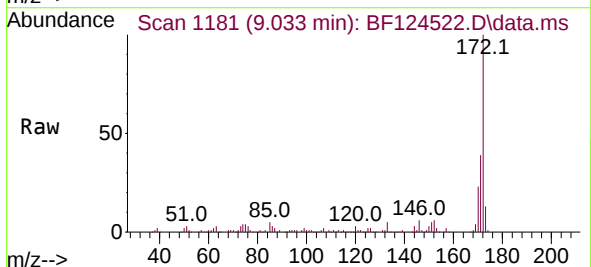
Instrument :
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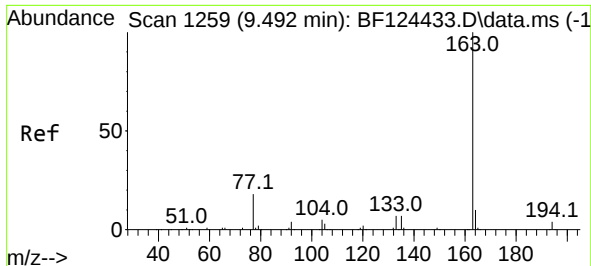
Tgt Ion:330 Resp: 69967
Ion Ratio Lower Upper
330 100
332 101.2 77.1 115.7
141 37.4 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 61.83 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:172 Resp: 395531
Ion Ratio Lower Upper
172 100
171 39.0 28.1 42.1
170 23.0 19.2 28.8

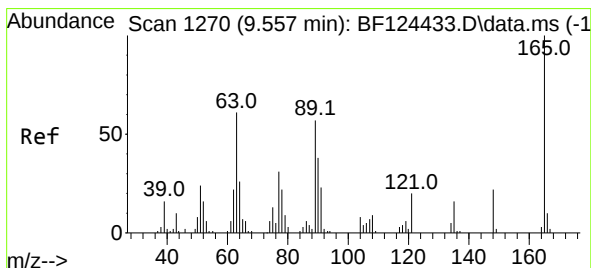
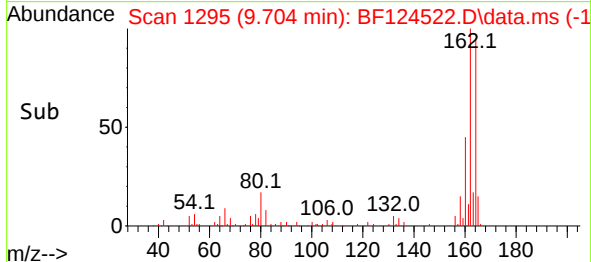
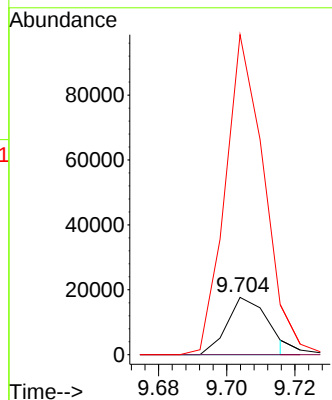
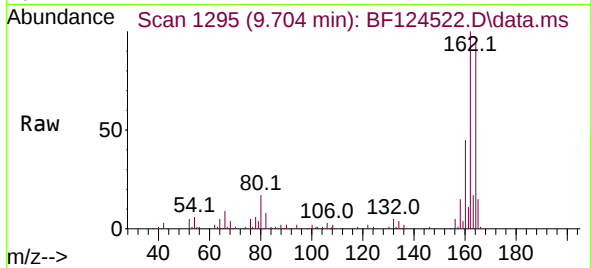




#50
Dimethylphthalate
Concen: 2.38 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.259 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

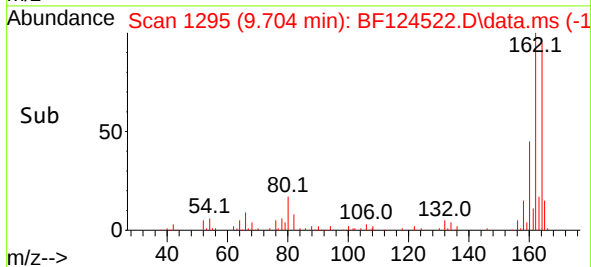
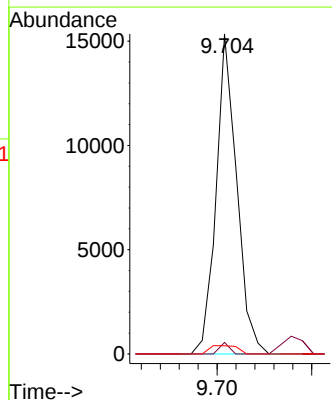
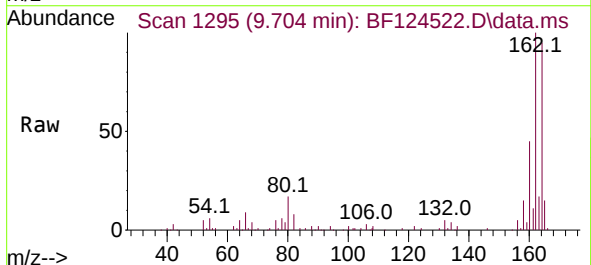
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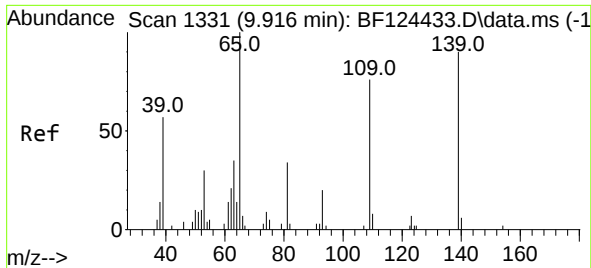
Tgt Ion:163 Resp: 14710
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 557.8 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.14 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.194 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:165 Resp: 11611
Ion Ratio Lower Upper
165 100
63 3.6 67.7 101.5#
89 2.6 58.8 88.2#

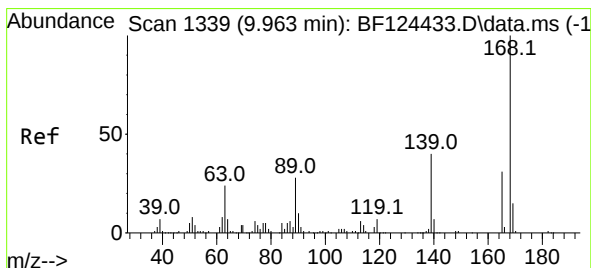
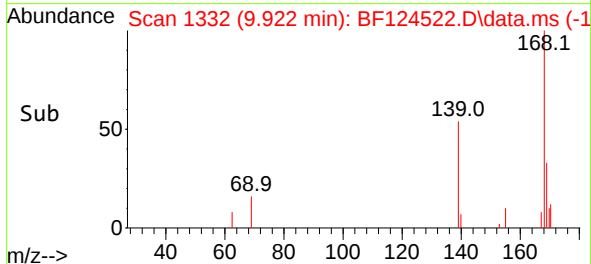
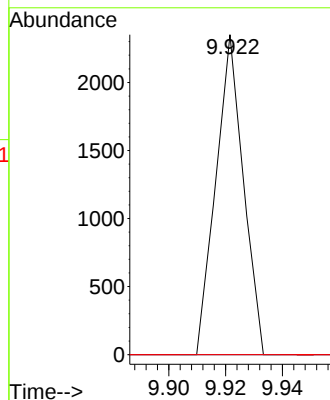
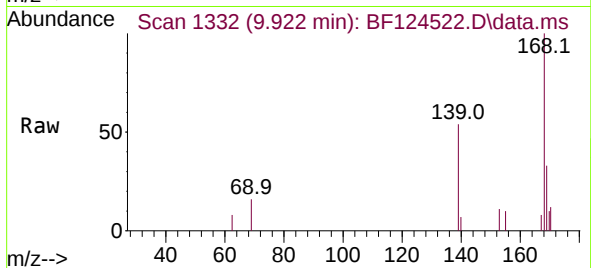




#56
4-Nitrophenol
Concen: 2.38 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.047 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

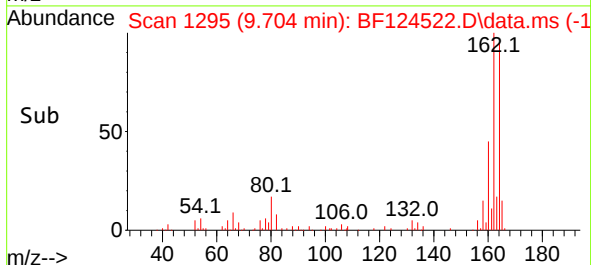
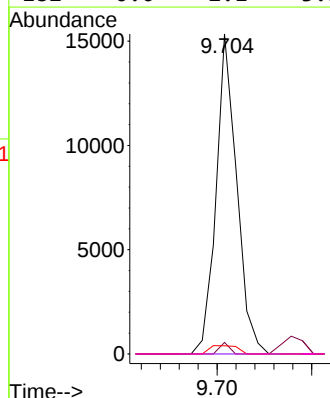
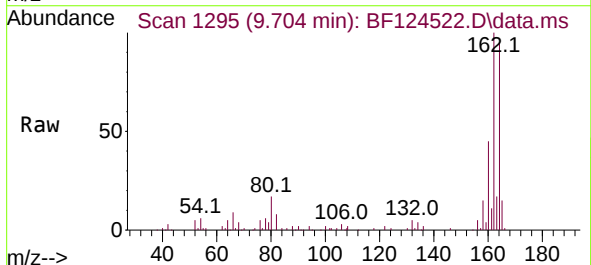
Instrument :
BNA_F
ClientSampleId :
COMP-2

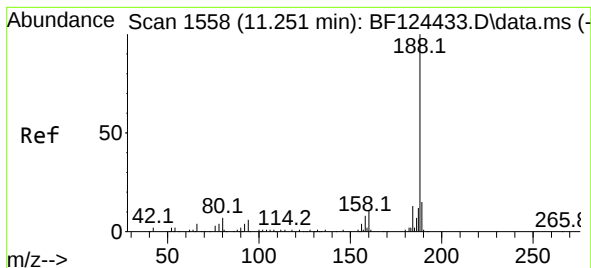
Tgt Ion:139 Resp: 1576
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.218 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:165 Resp: 11611
Ion Ratio Lower Upper
165 100
63 3.6 43.5 65.3#
89 2.6 67.7 101.5#
182 0.0 2.1 3.1#

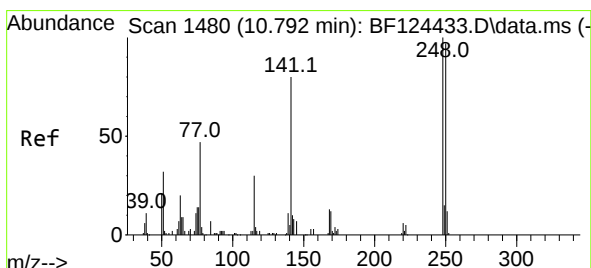
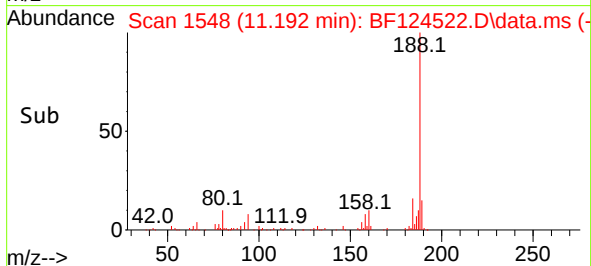
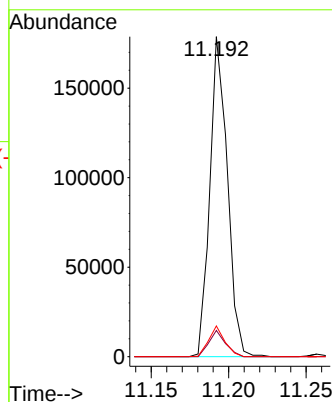
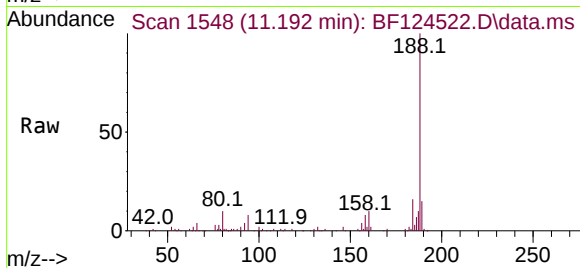




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

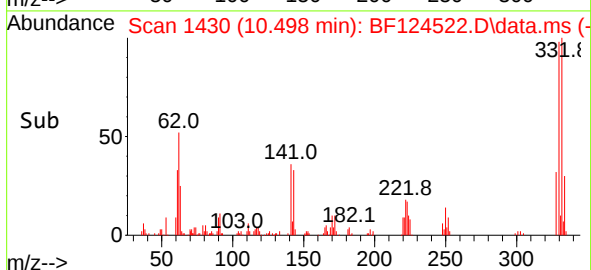
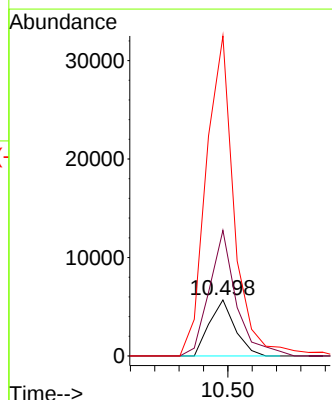
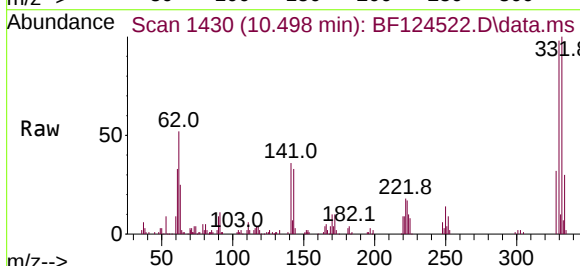
Instrument :
BNA_F
ClientSampleId :
COMP-2

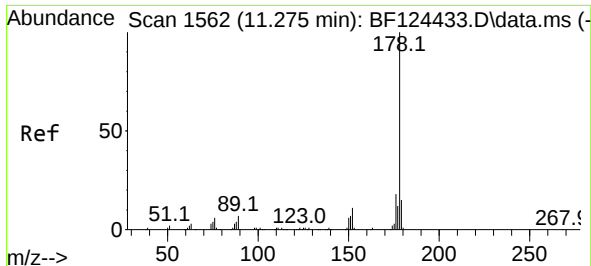
Tgt Ion:188	Resp:	140681
Ion Ratio	Lower	Upper
188	100	
94	8.2	6.9 10.3
80	9.6	8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.20 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.241 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:248	Resp:	4162
Ion Ratio	Lower	Upper
248	100	
250	223.8	77.4 116.2#
141	570.6	63.7 95.5#

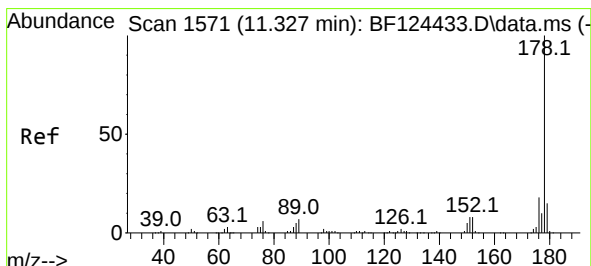
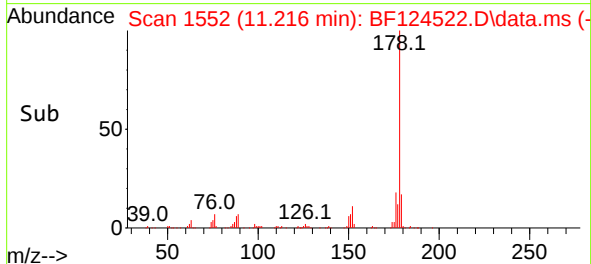
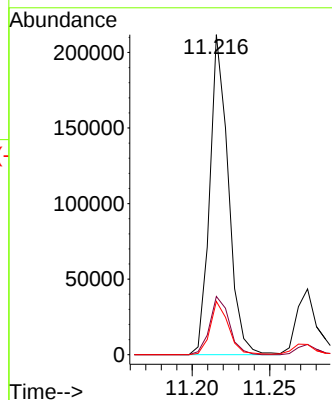
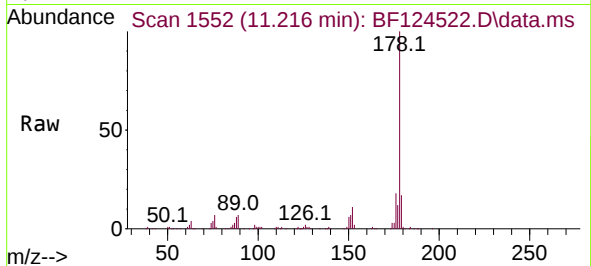




#71
Phenanthrene
Concen: 19.88 ng
RT: 11.216 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

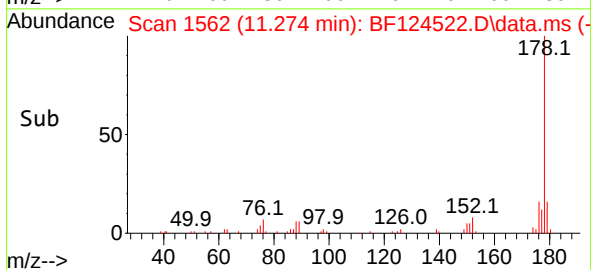
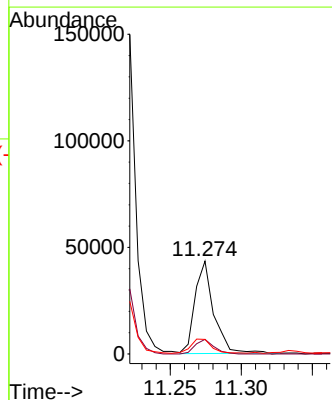
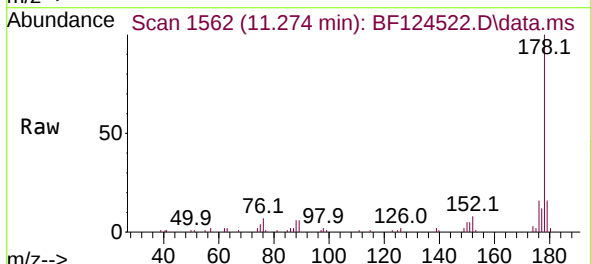
Instrument :
BNA_F
ClientSampleId :
COMP-2

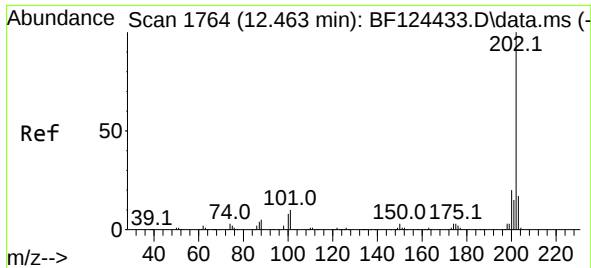
Tgt Ion:178 Resp: 176278
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 16.6 12.5 18.7



#72
Anthracene
Concen: 4.51 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:178 Resp: 39840
Ion Ratio Lower Upper
178 100
176 15.6 15.4 23.0
179 15.7 12.6 18.8

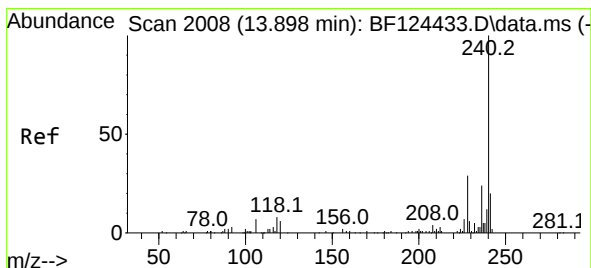
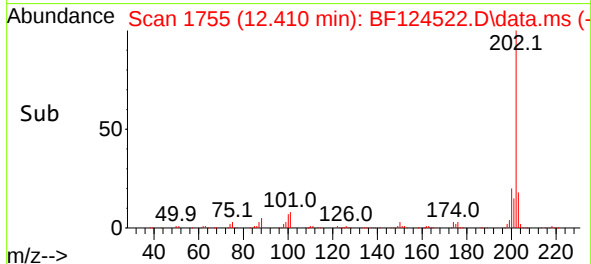
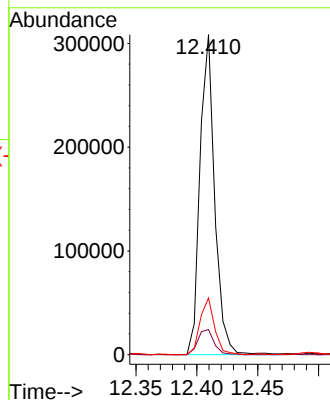
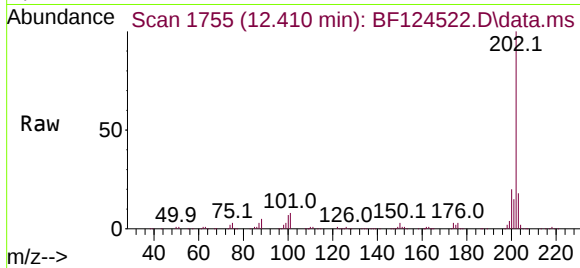




#75
Fluoranthene
Concen: 29.21 ng
RT: 12.410 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

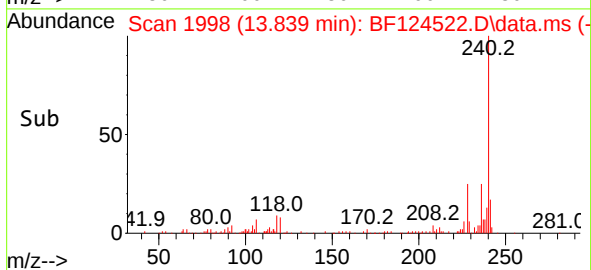
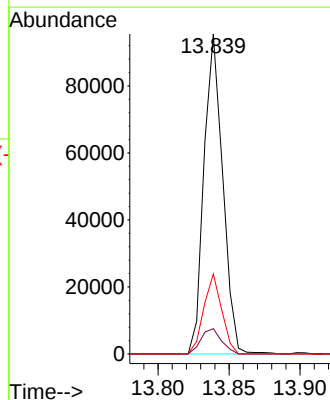
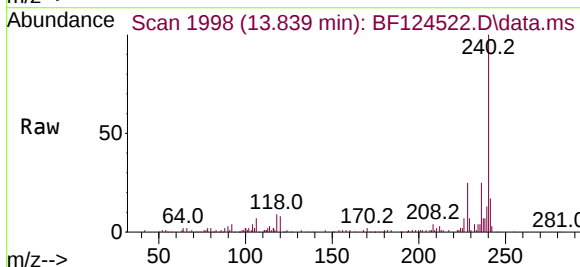
Instrument :
BNA_F
ClientSampleId :
COMP-2

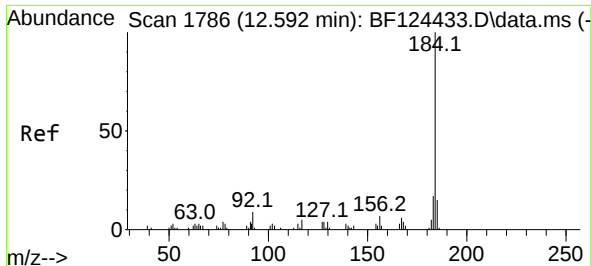
Tgt Ion:202 Resp: 260646
Ion Ratio Lower Upper
202 100
101 7.8 0.0 30.9
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.839 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:240 Resp: 87976
Ion Ratio Lower Upper
240 100
120 7.9 7.2 10.8
236 25.0 19.0 28.4

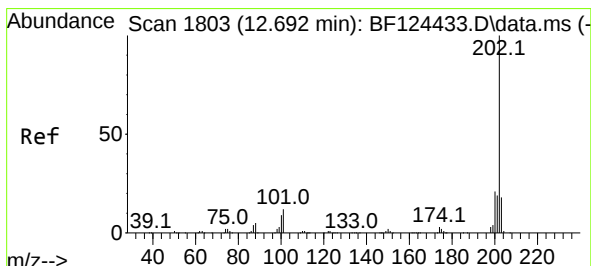
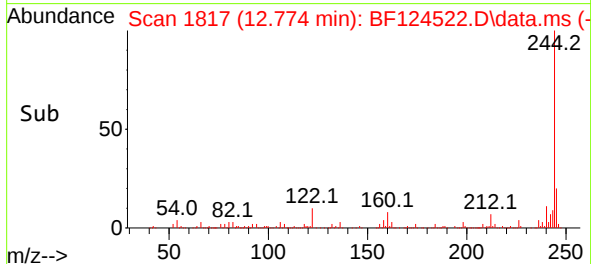
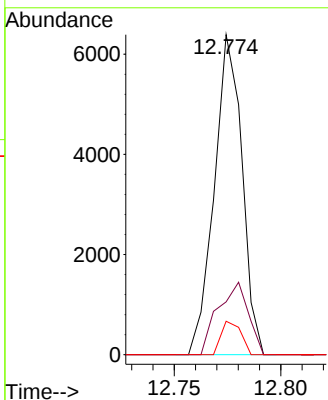
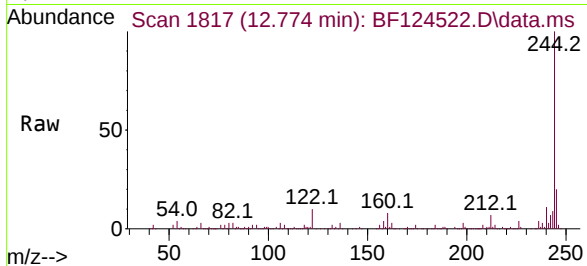




#77
Benzidine
Concen: 3.27 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.241 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

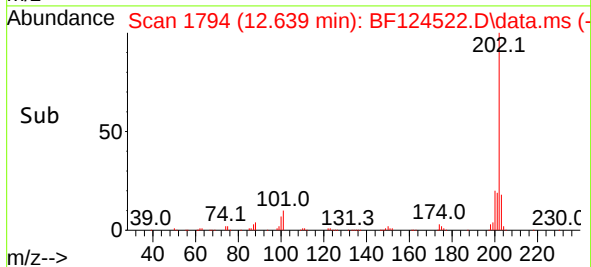
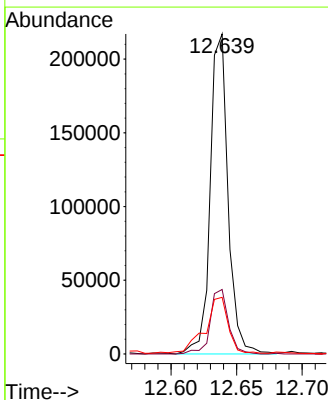
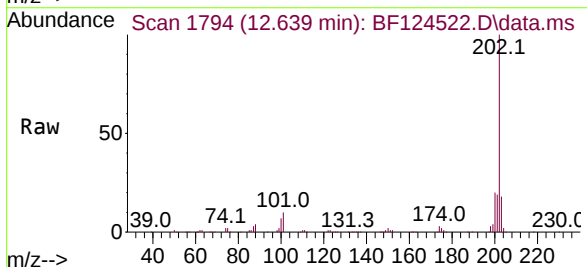
Instrument :
BNA_F
ClientSampleId :
COMP-2

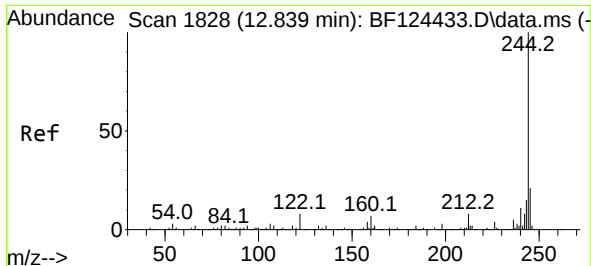
Tgt Ion:184 Resp: 5774
Ion Ratio Lower Upper
184 100
185 16.5 12.1 18.1
183 10.5 7.8 11.8



#78
Pyrene
Concen: 25.59 ng
RT: 12.639 min Scan# 1794
Delta R.T. -0.000 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:202 Resp: 205463
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 17.7 14.8 22.2

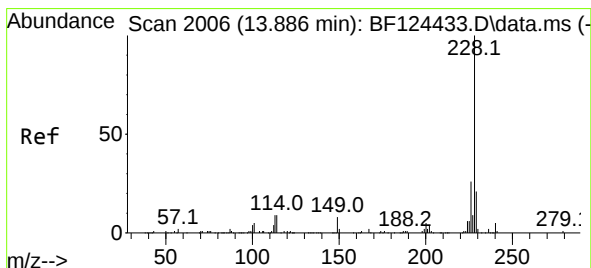
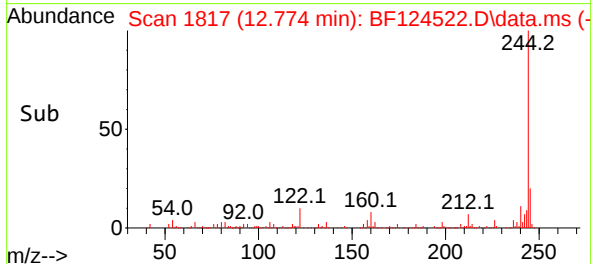
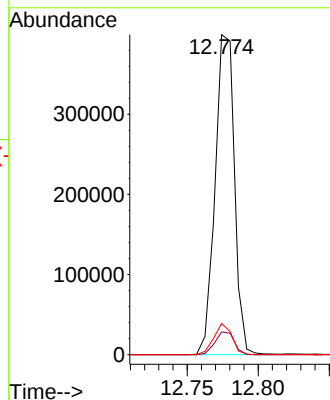
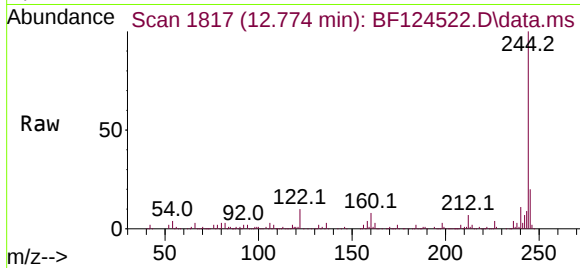




#79
 Terphenyl-d14
 Concen: 64.41 ng
 RT: 12.774 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF124522.D
 Acq: 2 Jul 2021 17:15

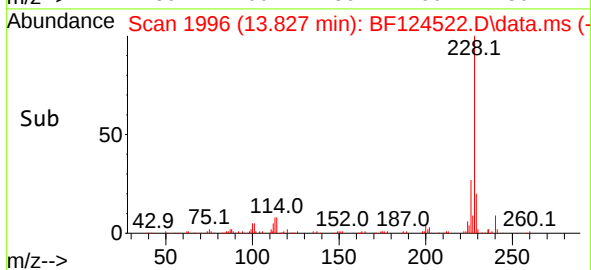
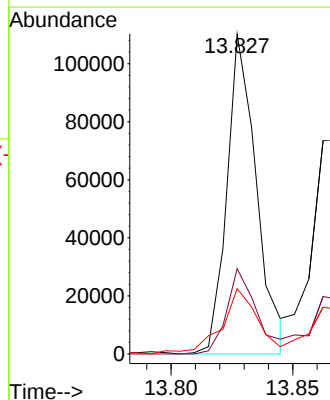
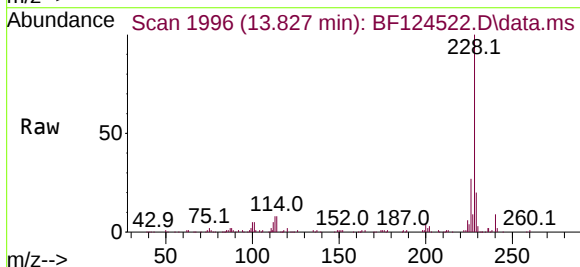
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

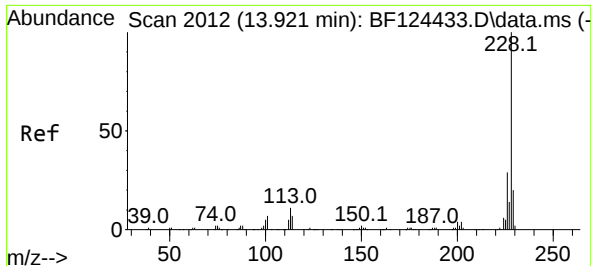
Tgt Ion:244 Resp: 378299
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 9.7 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 14.66 ng
 RT: 13.827 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: BF124522.D
 Acq: 2 Jul 2021 17:15

Tgt Ion:228 Resp: 93016
 Ion Ratio Lower Upper
 228 100
 226 26.7 22.4 33.6
 229 20.4 16.0 24.0

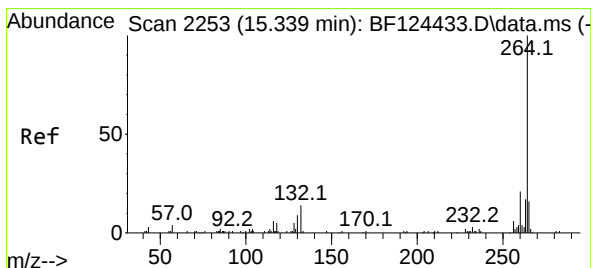
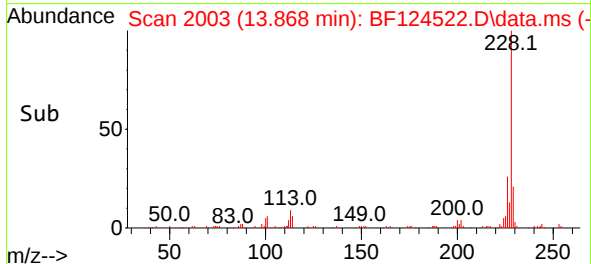
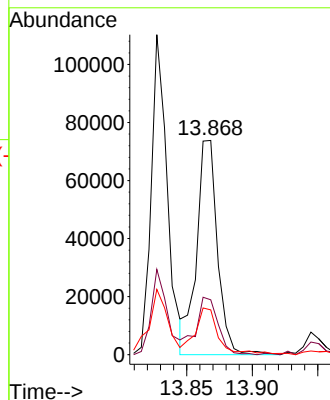
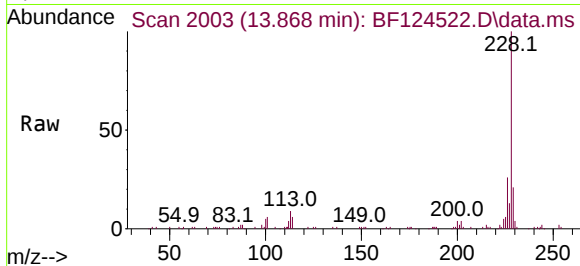




#83
Chrysene
Concen: 13.09 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

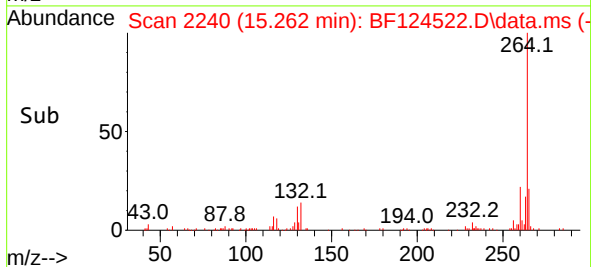
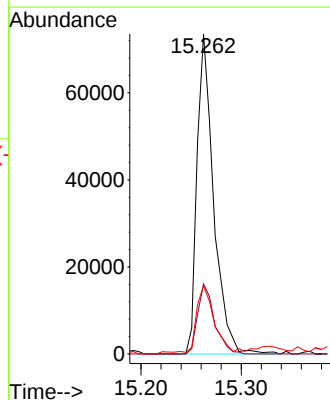
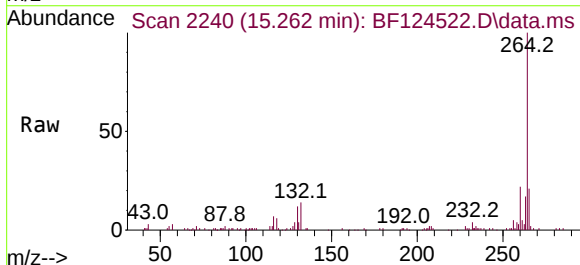
Instrument :
BNA_F
ClientSampleId :
COMP-2

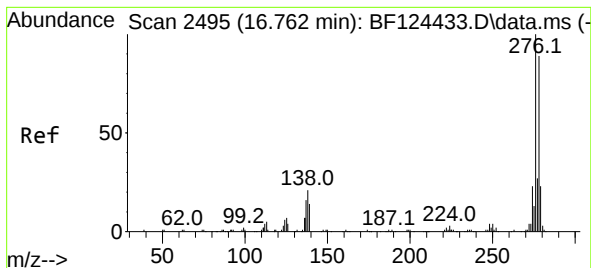
Tgt Ion:228	Resp:	82296
Ion Ratio	Lower	Upper
228	100	
226	25.6	24.3 36.5
229	20.9	16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.262 min Scan# 2240
Delta R.T. -0.000 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:264	Resp:	84665
Ion Ratio	Lower	Upper
264	100	
260	21.9	18.7 28.1
265	21.3	17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.99 ng

RT: 16.668 min Scan# 2479

Delta R.T. 0.018 min

Lab File: BF124522.D

Acq: 2 Jul 2021 17:15

Tgt Ion:276 Resp: 46646

Ion Ratio Lower Upper

276 100

138 19.3 16.2 24.2

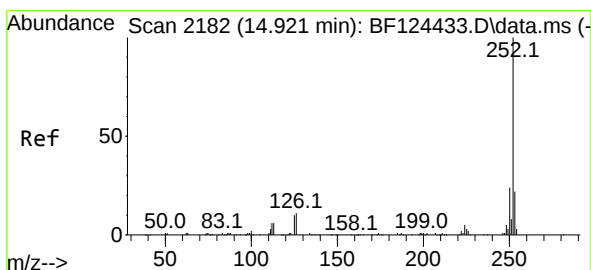
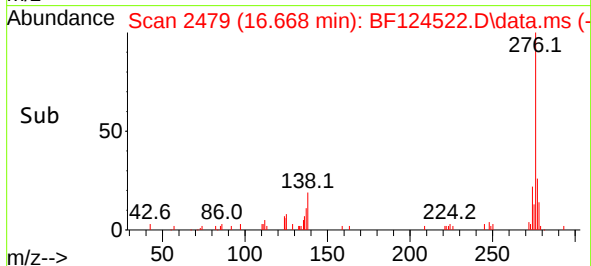
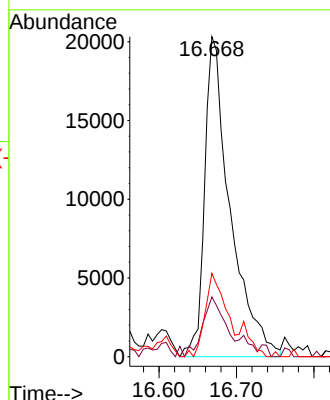
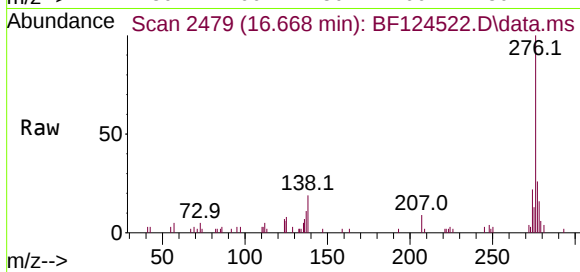
277 21.9 20.1 30.1

Instrument :

BNA_F

ClientSampleId :

COMP-2



#88

Benzo(b)fluoranthene

Concen: 22.27 ng

RT: 14.862 min Scan# 2172

Delta R.T. 0.006 min

Lab File: BF124522.D

Acq: 2 Jul 2021 17:15

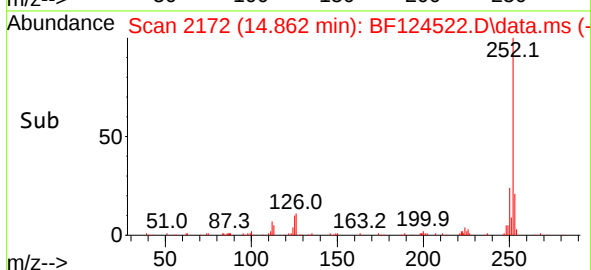
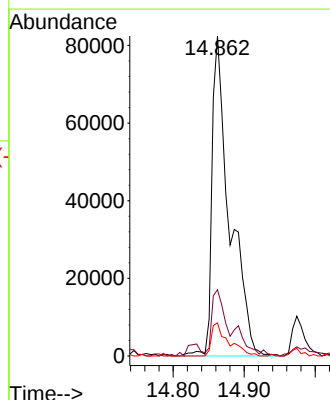
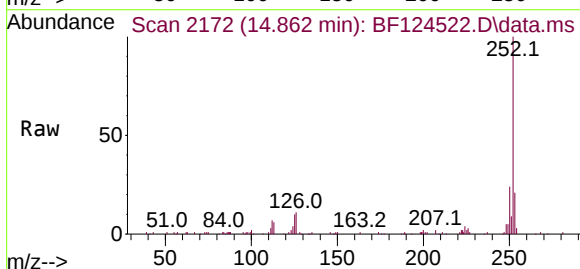
Tgt Ion:252 Resp: 142858

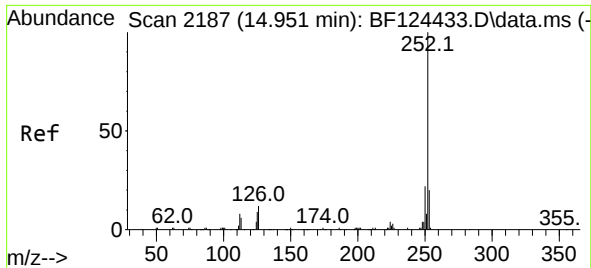
Ion Ratio Lower Upper

252 100

253 20.7 18.1 27.1

125 10.3 6.2 9.4#

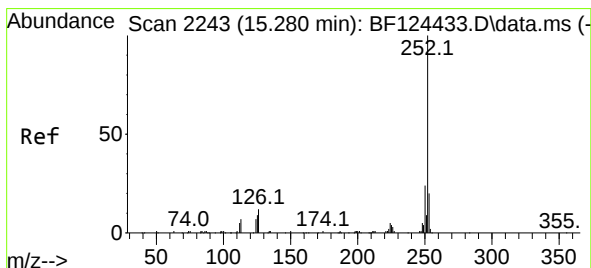
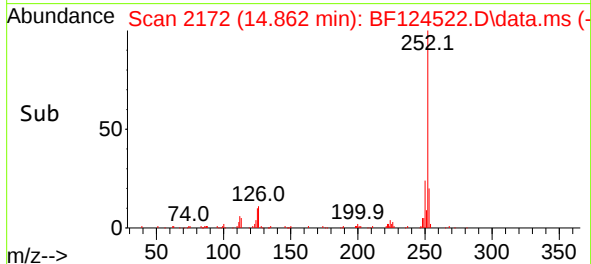
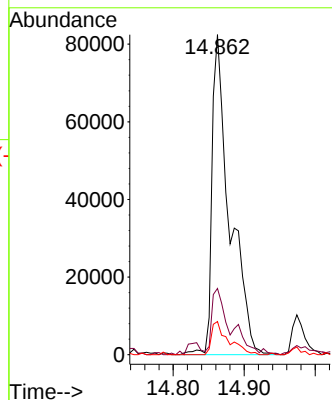
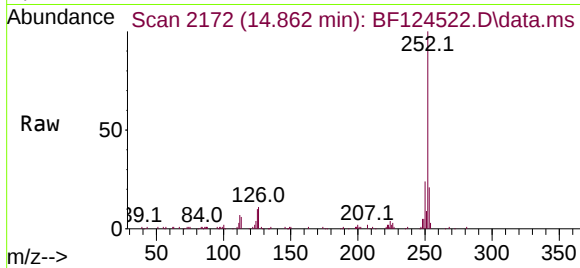




#89
Benzo(k)fluoranthene
Concen: 24.34 ng
RT: 14.862 min Scan# 2172
Delta R.T. -0.024 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:252 Resp: 142858
Ion Ratio Lower Upper
252 100
253 20.7 17.9 26.9
125 10.3 7.0 10.6



#90
Benzo(a)pyrene
Concen: 12.59 ng
RT: 15.209 min Scan# 2231
Delta R.T. 0.006 min
Lab File: BF124522.D
Acq: 2 Jul 2021 17:15

Tgt Ion:252 Resp: 71781
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 9.2 8.0 12.0

