

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052721\
 Data File : BF124103.D
 Acq On : 27 May 2021 21:05
 Operator : JU/CG
 Sample : M2547-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SAMPLE-LOAMY-TOP

Quant Time: May 28 03:07:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 13:12:25 2021
 Response via : Initial Calibration

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

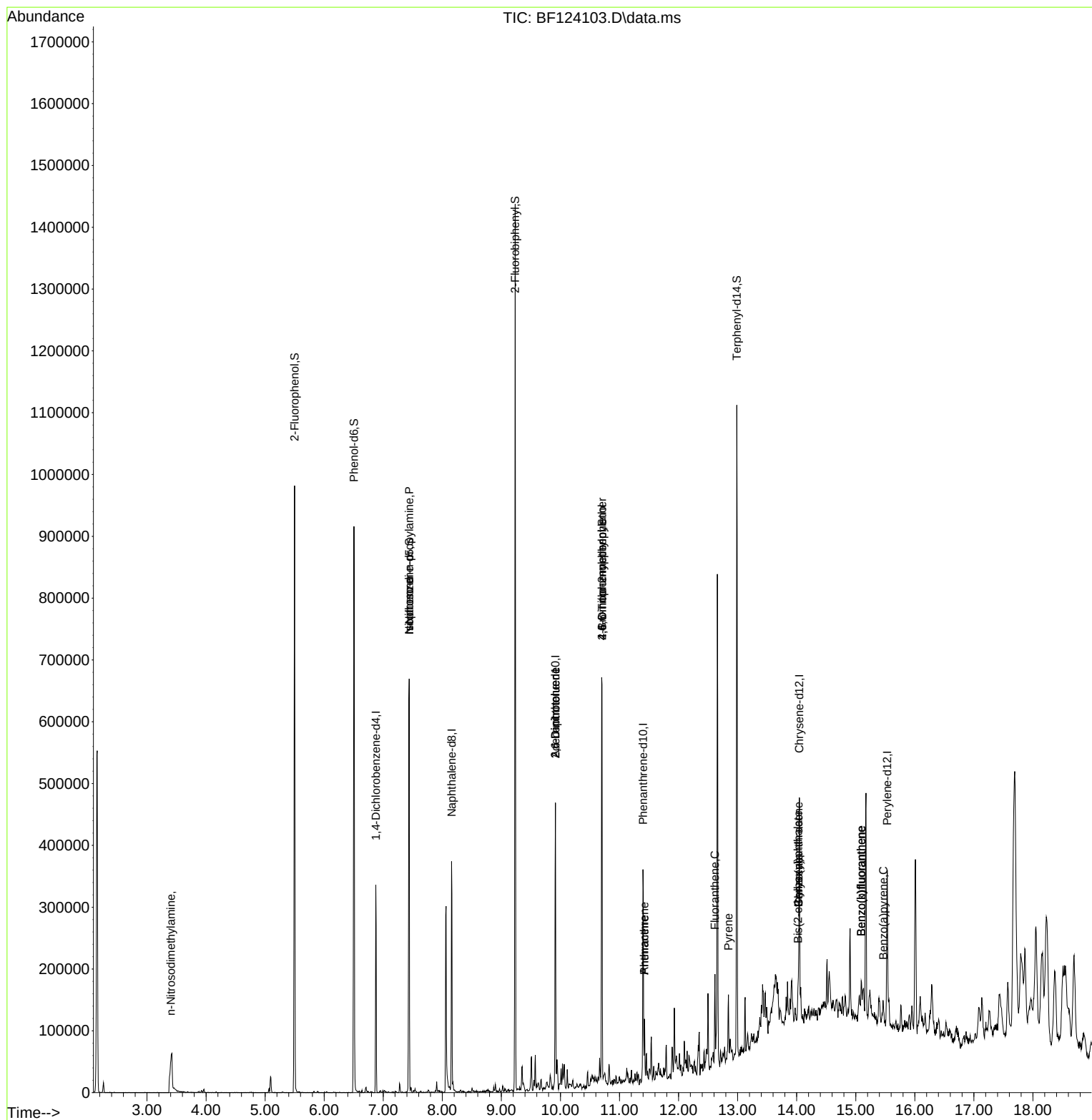
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	38997	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	141026	20.00	ng	# 0.00
39) Acenaphthene-d10	9.916	164	68924	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	110857	20.00	ng	0.00
76) Chrysene-d12	14.045	240	98471	20.00	ng	# 0.00
86) Perylene-d12	15.533	264	101249	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	204379	73.58	ng	0.00
7) Phenol-d6	6.504	99	255719	70.97	ng	0.00
23) Nitrobenzene-d5	7.439	82	205060	62.65	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	72733	87.86	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	342215	61.10	ng	0.00
79) Terphenyl-d14	12.986	244	297326	45.73	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.404	42	5057	2.47	ng	# 1
19) n-Nitroso-di-n-propyla...	7.439	70	28154	11.56	ng	# 69
25) Isophorone	7.439	82	205057	32.57	ng	# 69
51) 2,6-Dinitrotoluene	9.916	165	9719	8.73	ng	# 12
57) 2,4-Dinitrotoluene	9.916	165	9719	7.12	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.704	198	110	5.57	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	4693	3.22	ng	# 1
71) Phenanthrene	11.422	178	28492	4.06	ng	98
72) Anthracene	11.422	178	28492	4.00	ng	97
75) Fluoranthene	12.616	202	45770	6.29	ng	93
78) Pyrene	12.845	202	36796	4.21	ng	98
81) Benzo(a)anthracene	14.033	228	17324	2.43	ng	99
83) Chrysene	14.033	228	17324	2.53	ng	97
84) Bis(2-ethylhexyl)phtha...	14.021	149	10955	2.26	ng	# 99
88) Benzo(b)fluoranthene	15.092	252	29729	3.80	ng	# 77
89) Benzo(k)fluoranthene	15.092	252	29729	4.16	ng	# 77
90) Benzo(a)pyrene	15.468	252	13844	2.04	ng	# 84

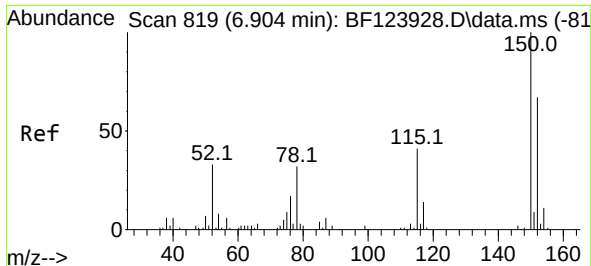
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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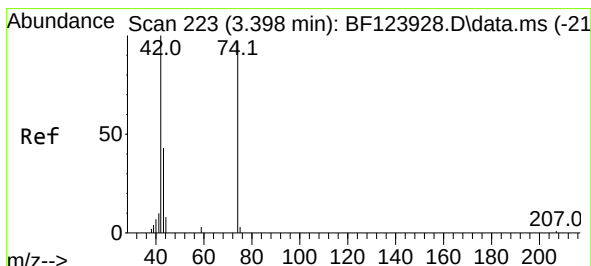
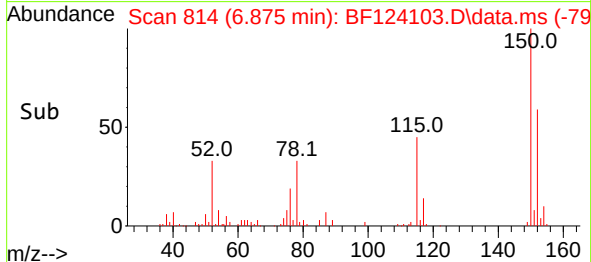
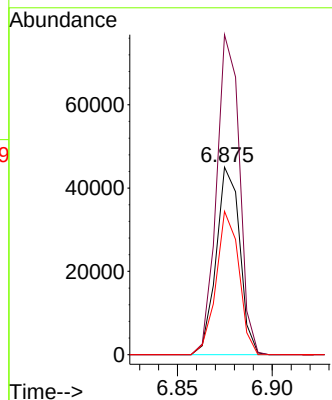
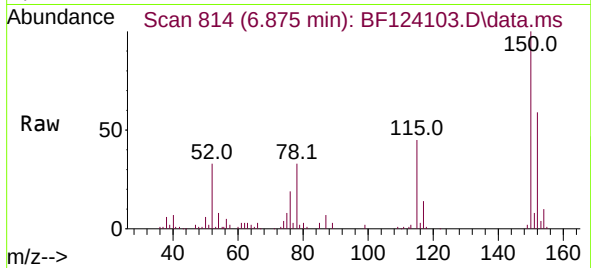




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

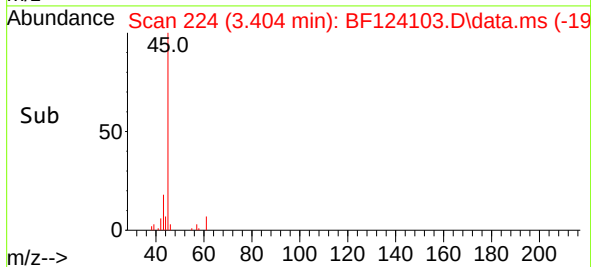
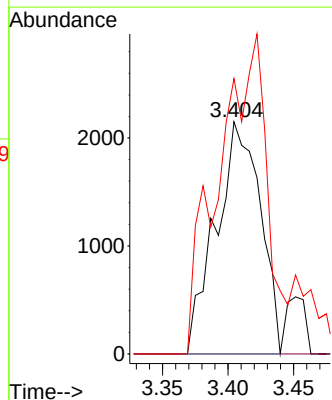
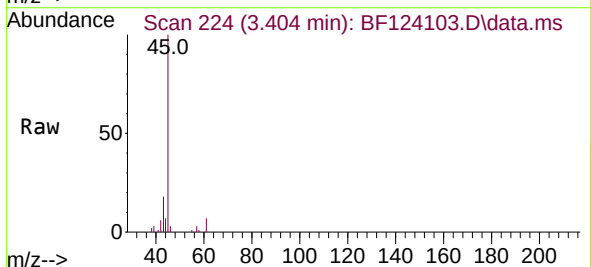
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

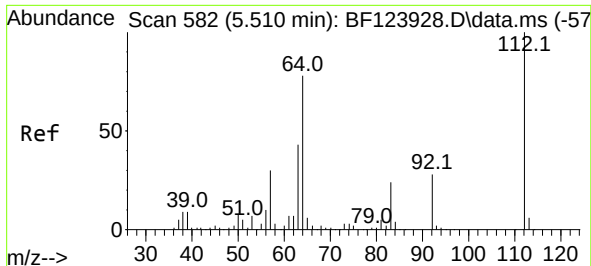
Tgt Ion:152 Resp: 38997
Ion Ratio Lower Upper
152 100
150 170.7 127.0 190.6
115 76.5 54.3 81.5



#4
n-Nitrosodimethylamine
Concen: 2.47 ng
RT: 3.404 min Scan# 224
Delta R.T. 0.071 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

Tgt Ion: 42 Resp: 5057
Ion Ratio Lower Upper
42 100
74 0.0 83.5 125.3#
44 118.5 5.7 8.5#

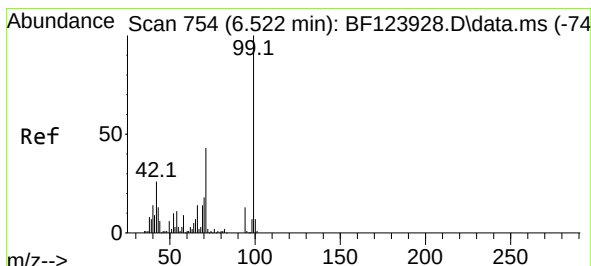
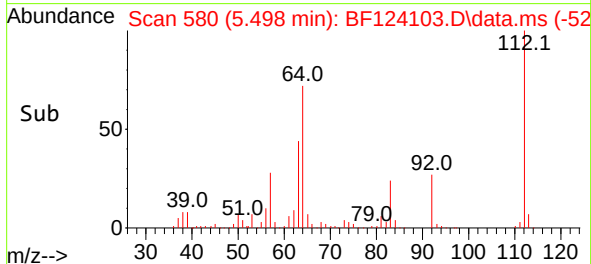
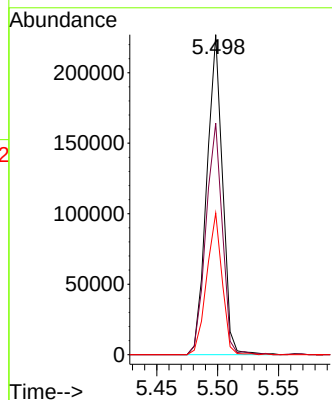
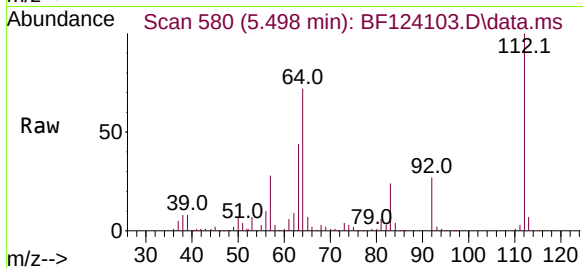




#5
2-Fluorophenol
Concen: 73.58 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

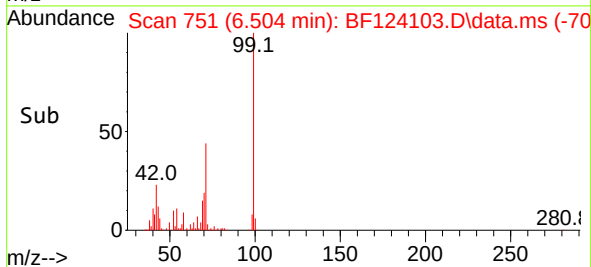
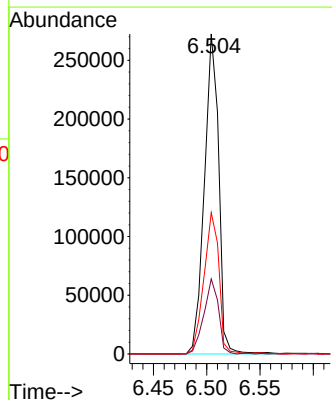
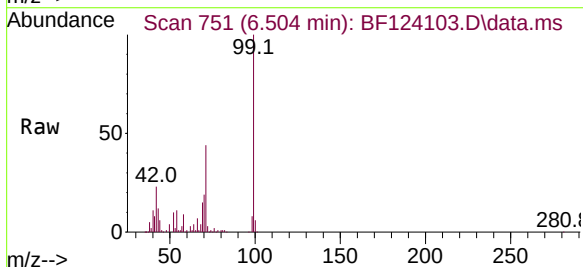
Instrument :
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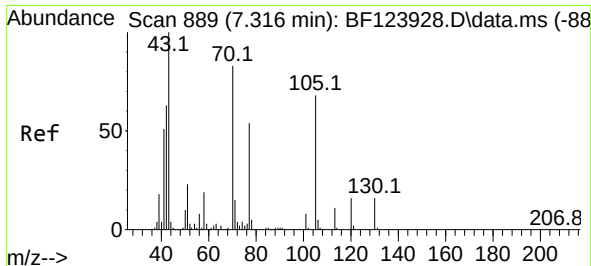
Tgt Ion:112 Resp: 204379
Ion Ratio Lower Upper
112 100
64 72.3 61.4 92.0
63 44.3 33.0 49.4



#7
Phenol-d6
Concen: 70.97 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

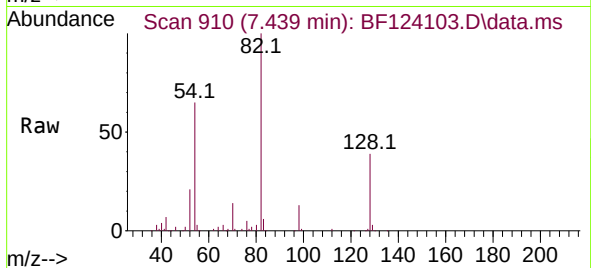
Tgt Ion: 99 Resp: 255719
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.8
71 44.2 31.1 46.7



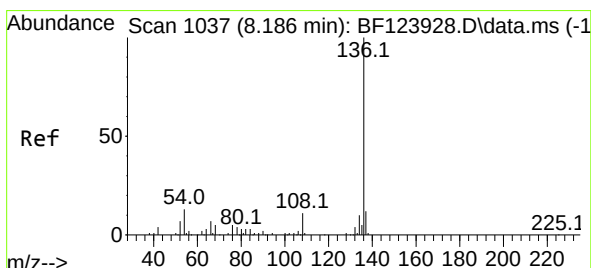
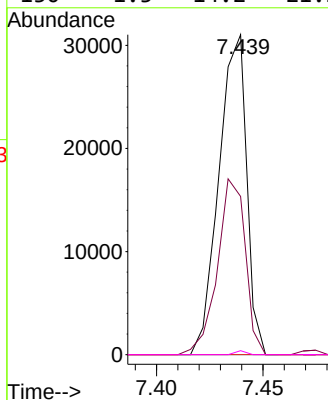
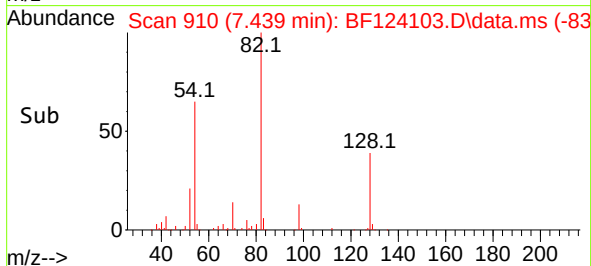


#19
n-Nitroso-di-n-propylamine
Concen: 11.56 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.147 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

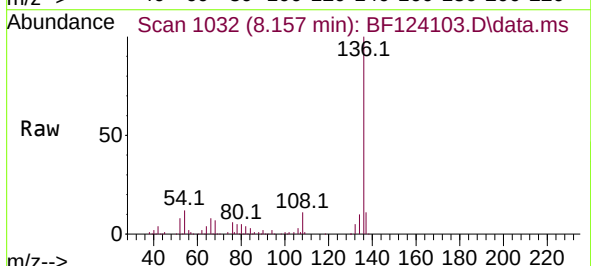
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP



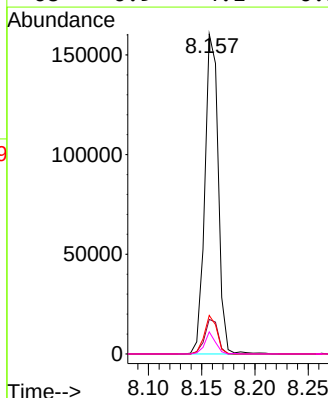
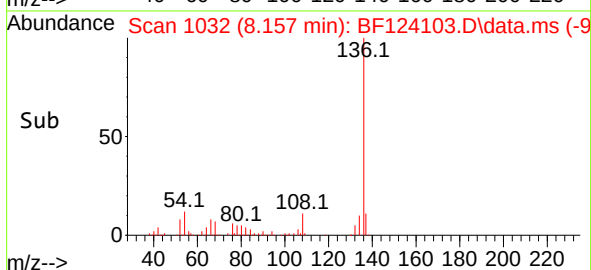
Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.4	60.1	90.1#
101	0.0	7.4	11.2#
130	1.3	14.2	21.2#

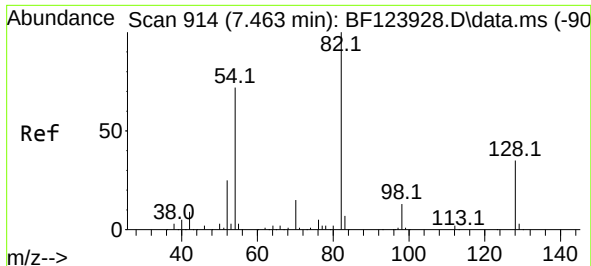


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05



Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	12.1	9.8	14.6
68	6.9	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 62.65 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF124103.D

Acq: 27 May 2021 21:05

Tgt Ion: 82 Resp: 205060

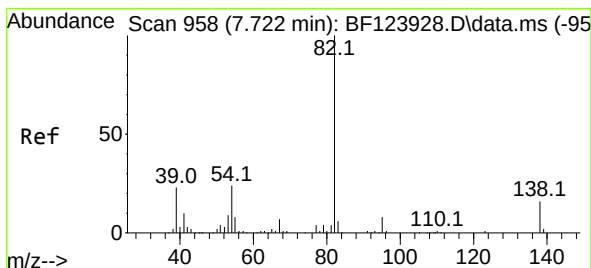
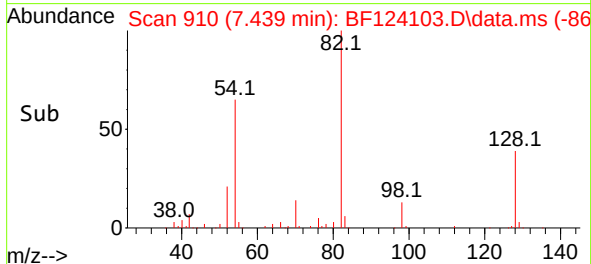
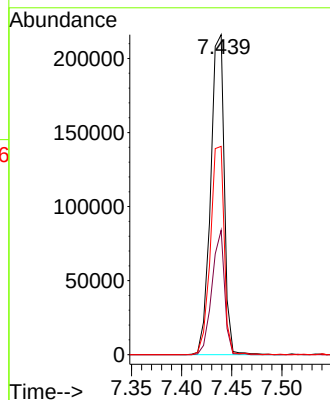
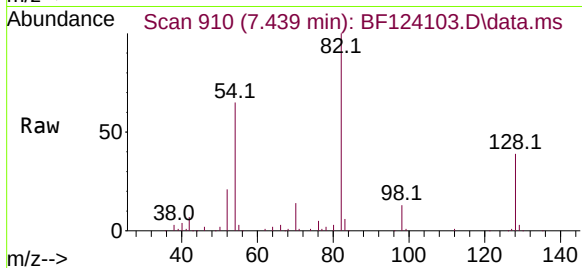
Ion	Ratio	Lower	Upper
82	100		
128	38.9	29.4	44.2
54	65.1	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

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#25

Isophorone

Concen: 32.57 ng

RT: 7.439 min Scan# 910

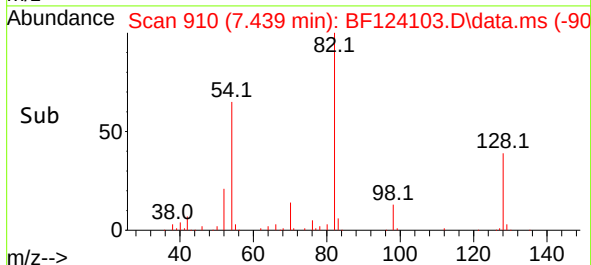
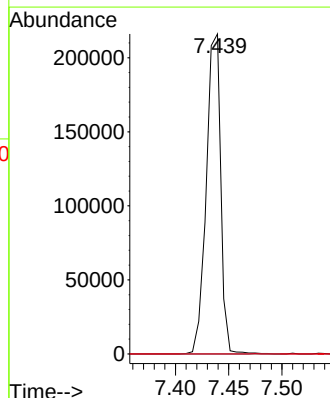
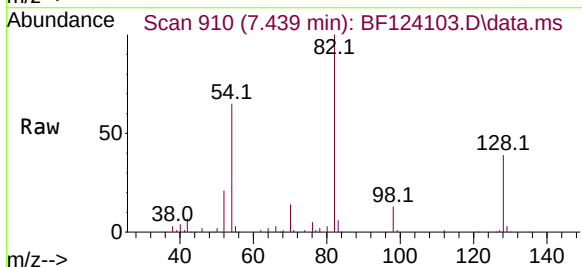
Delta R.T. -0.259 min

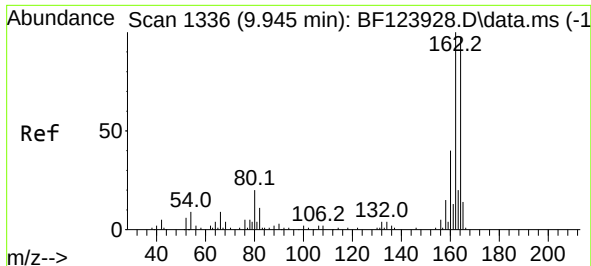
Lab File: BF124103.D

Acq: 27 May 2021 21:05

Tgt Ion: 82 Resp: 205057

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	11.8	17.8#

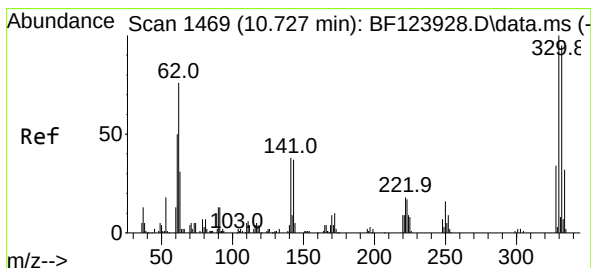
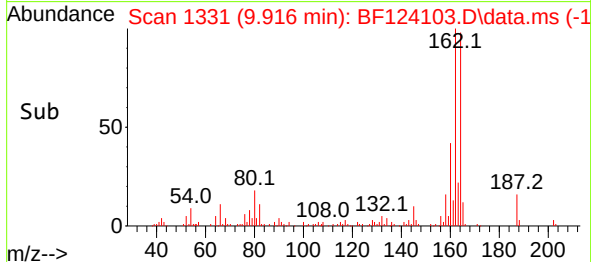
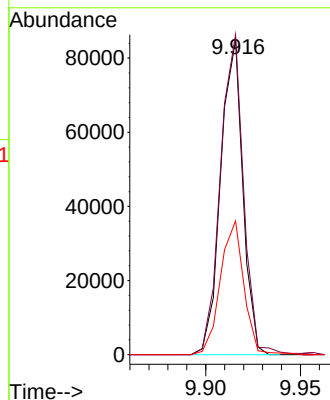
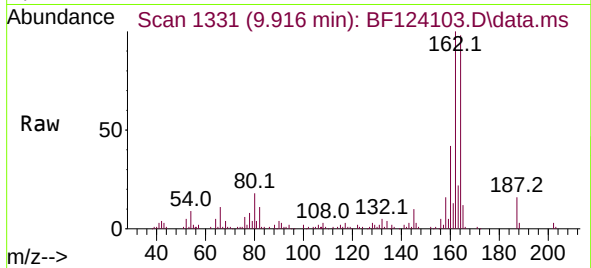




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

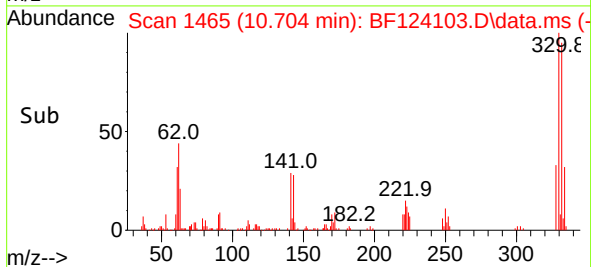
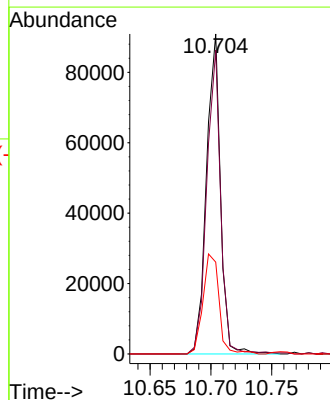
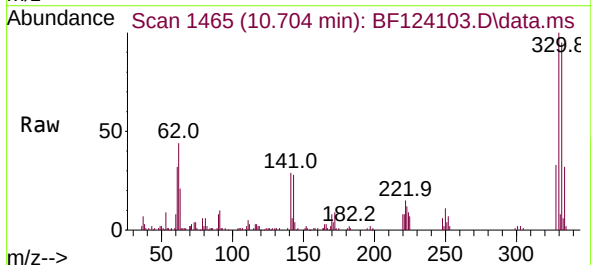
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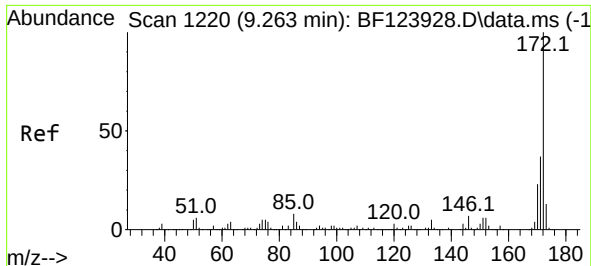
Tgt Ion:164 Resp: 68924
Ion Ratio Lower Upper
164 100
162 101.7 80.7 121.1
160 42.5 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 87.86 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

Tgt Ion:330 Resp: 72733
Ion Ratio Lower Upper
330 100
332 94.4 77.1 115.7
141 35.9 27.9 41.9

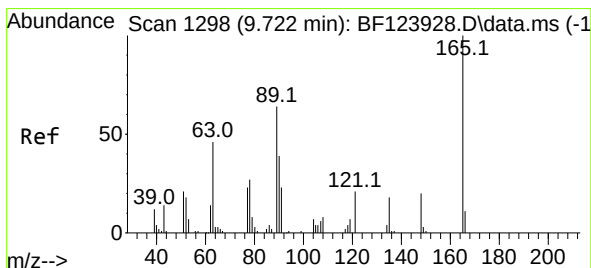
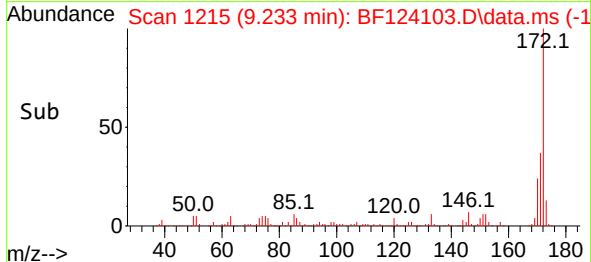
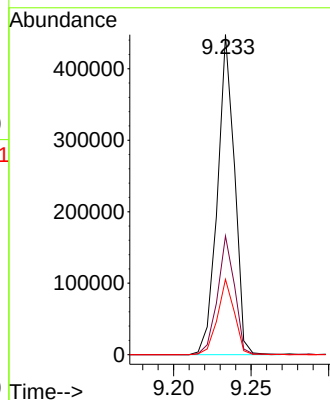
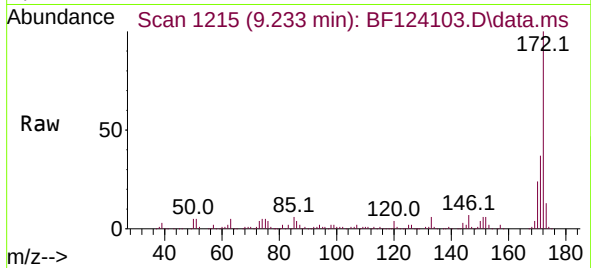




#45
2-Fluorobiphenyl
Concen: 61.10 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

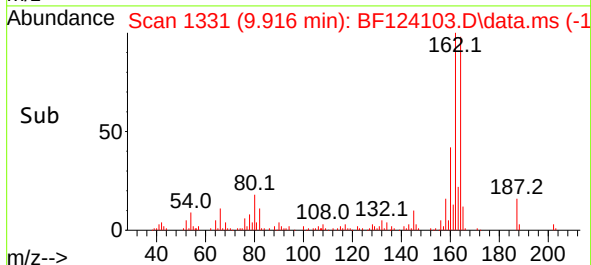
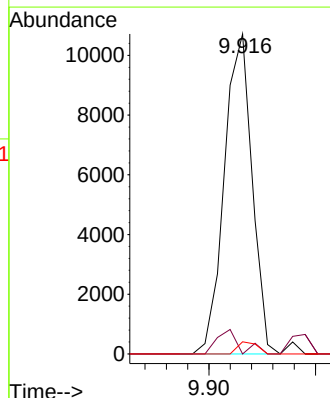
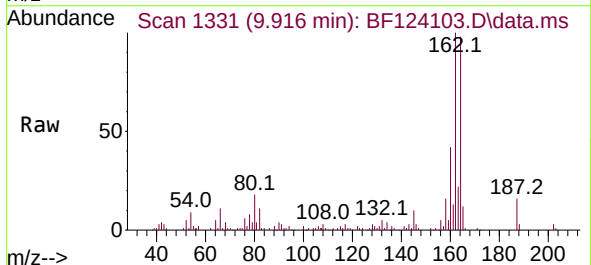
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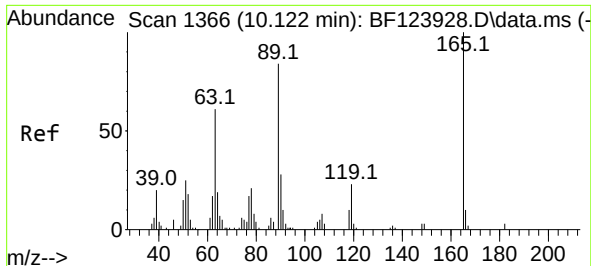
Tgt Ion:172 Resp: 342215
Ion Ratio Lower Upper
172 100
171 37.1 28.1 42.1
170 23.5 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 8.73 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.218 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

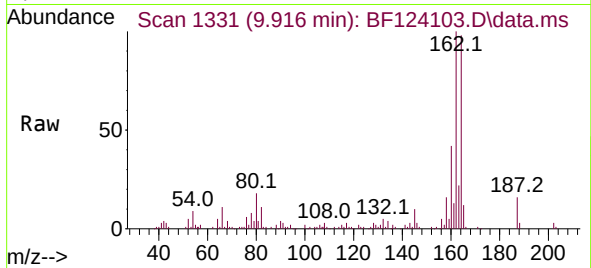
Tgt Ion:165 Resp: 9719
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.8 58.8 88.2#



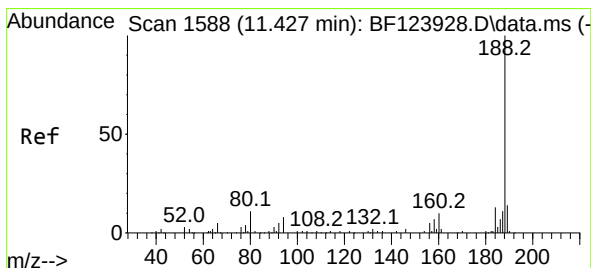
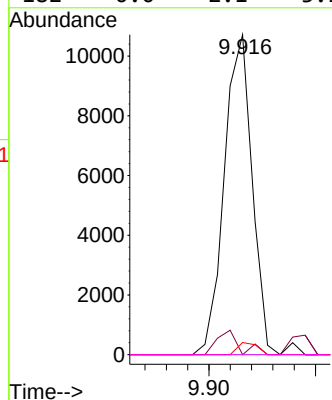
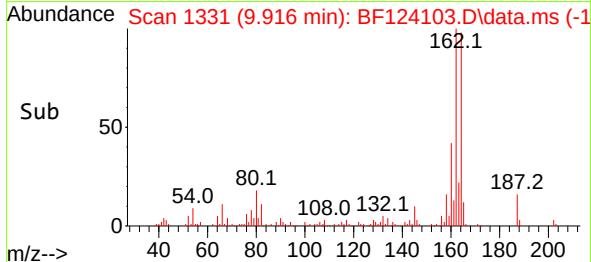


#57
2,4-Dinitrotoluene
Concen: 7.12 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

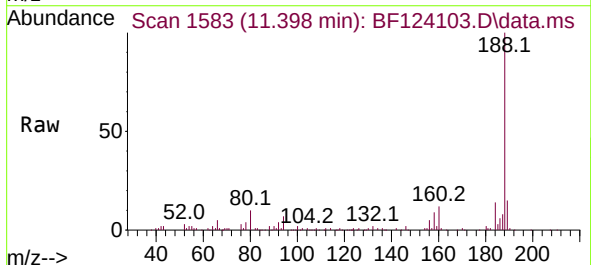
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP



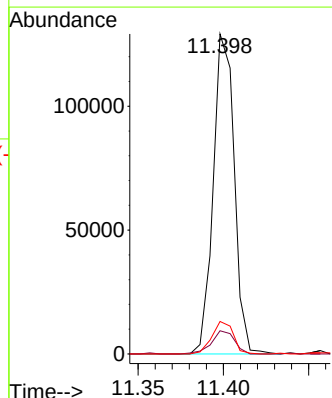
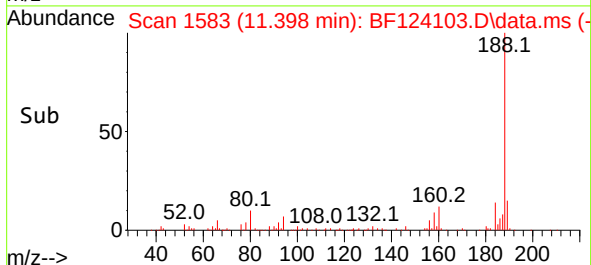
Tgt Ion:165 Resp: 9719
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.8 67.7 101.5#
182 0.0 2.1 3.1#

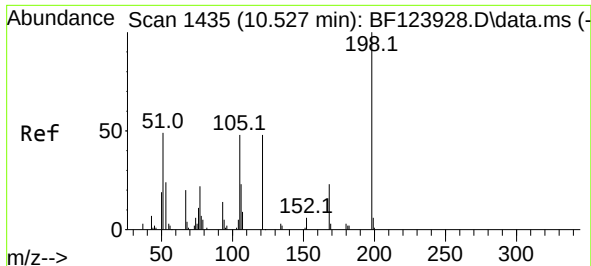


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05



Tgt Ion:188 Resp: 110857
Ion Ratio Lower Upper
188 100
94 7.3 6.9 10.3
80 10.1 8.2 12.2

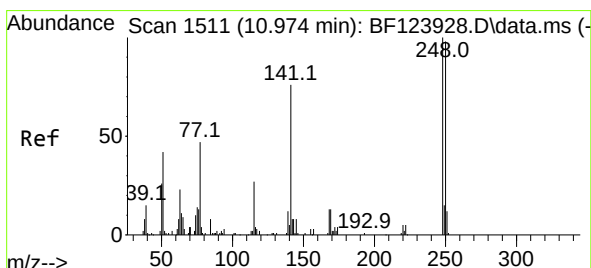
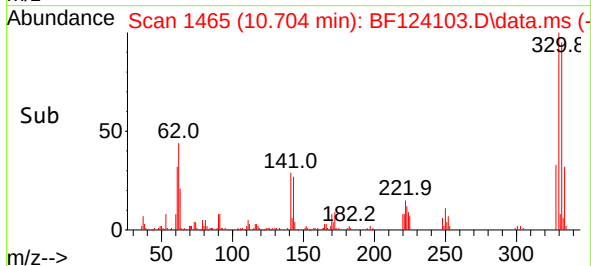
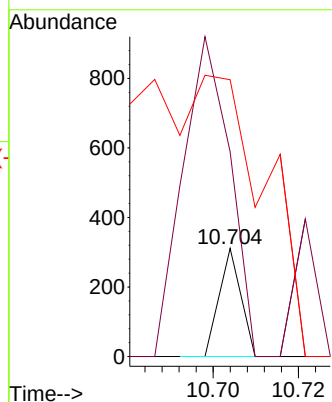
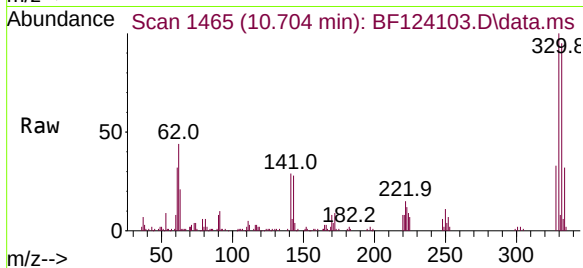




#65
4,6-Dinitro-2-methylphenol
Concen: 5.57 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.194 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

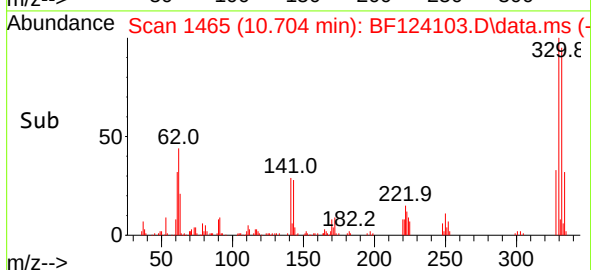
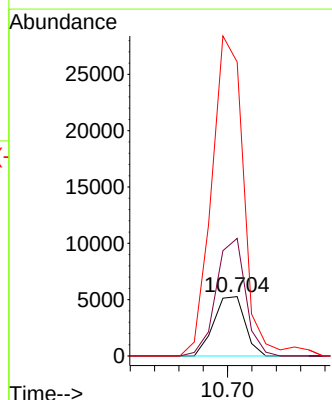
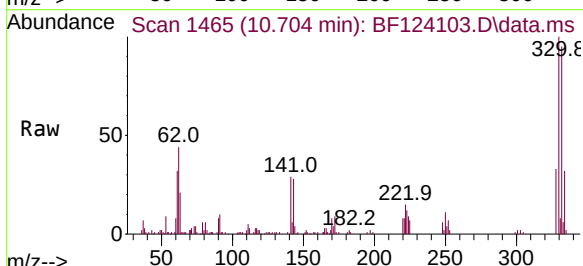
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

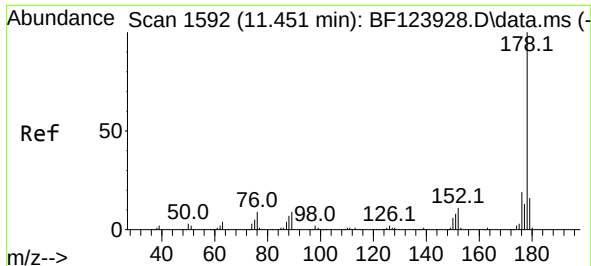
Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 189.4 64.8 104.8#
105 255.9 42.6 82.6#



#67
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.241 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

Tgt Ion:248 Resp: 4693
Ion Ratio Lower Upper
248 100
250 198.1 77.4 116.2#
141 494.8 63.7 95.5#

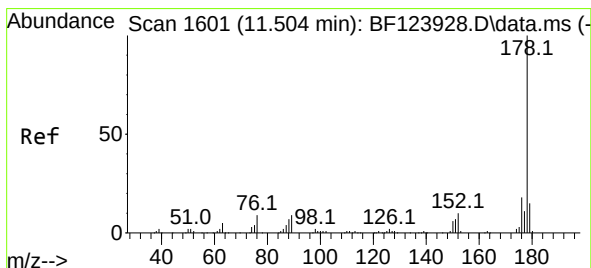
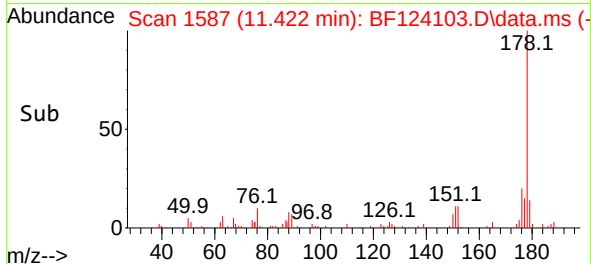
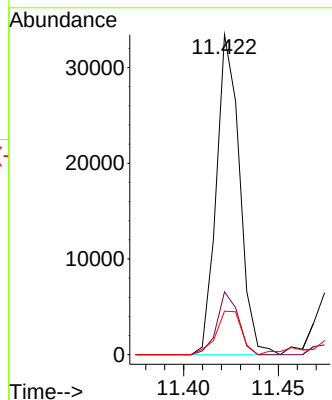
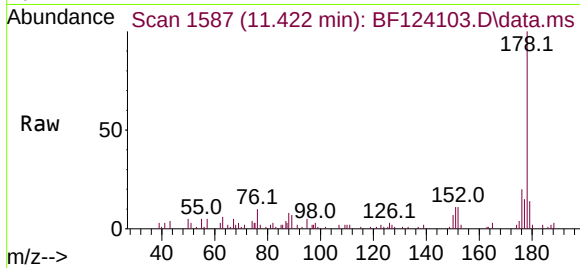




#71
Phenanthrene
Concen: 4.06 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

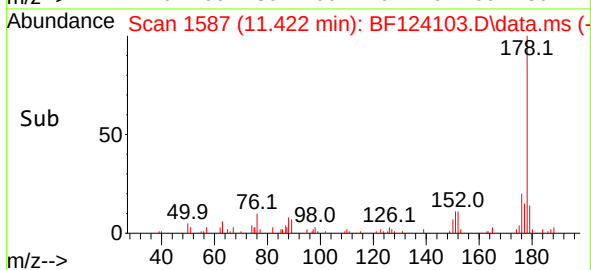
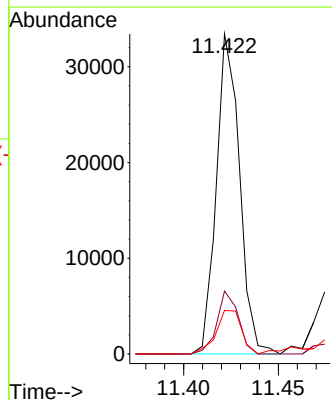
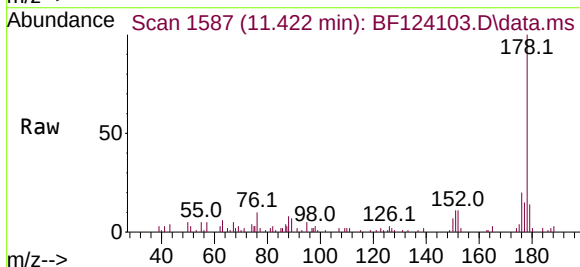
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

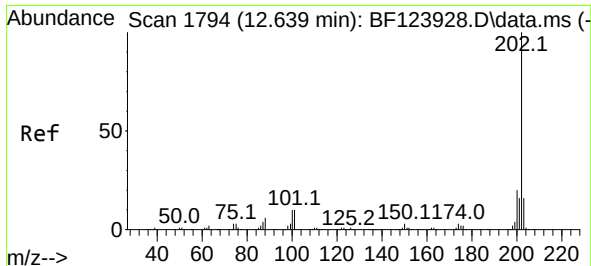
Tgt Ion:178 Resp: 28492
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 13.6 12.5 18.7



#72
Anthracene
Concen: 4.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.059 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

Tgt Ion:178 Resp: 28492
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 13.6 12.6 18.8

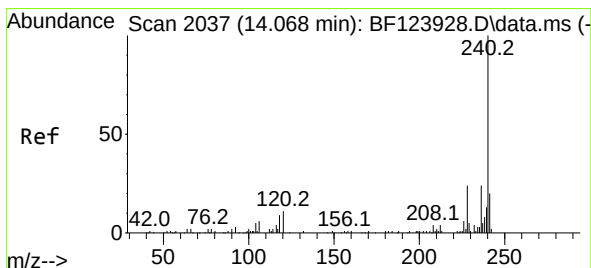
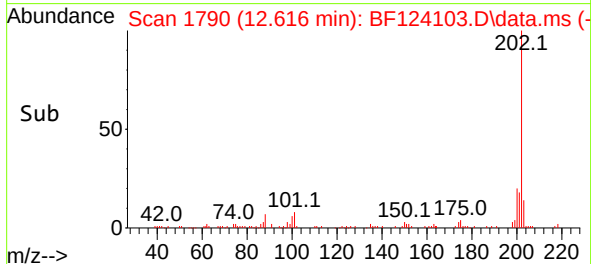
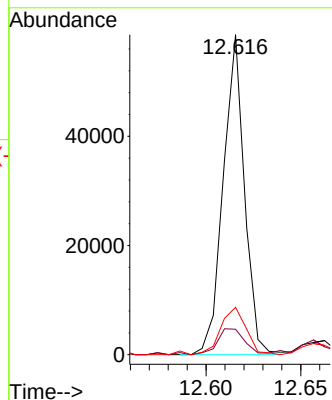
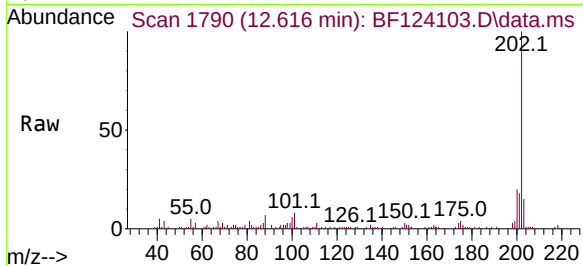




#75
Fluoranthene
Concen: 6.29 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

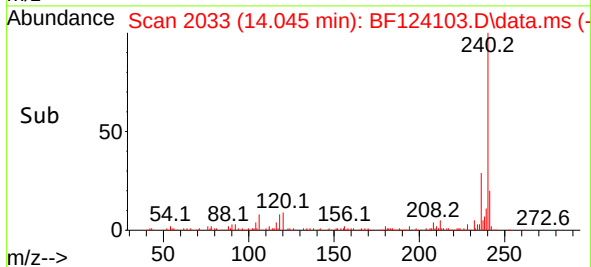
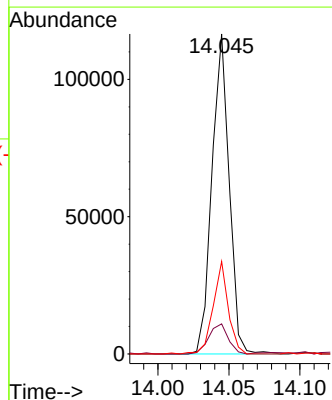
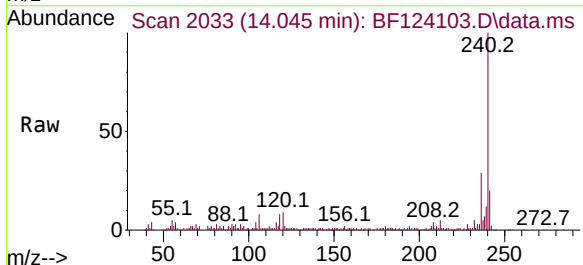
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

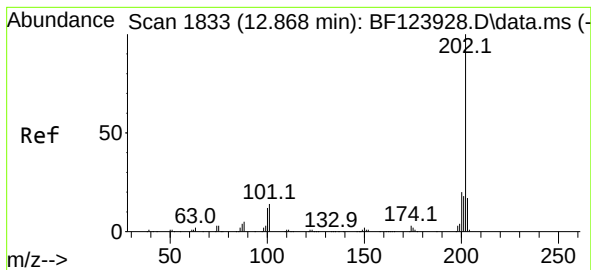
Tgt Ion:202 Resp: 45770
Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.9
203 14.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

Tgt Ion:240 Resp: 98471
Ion Ratio Lower Upper
240 100
120 9.4 7.2 10.8
236 28.9 19.0 28.4#





#78

Pyrene

Concen: 4.21 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF124103.D

Acq: 27 May 2021 21:05

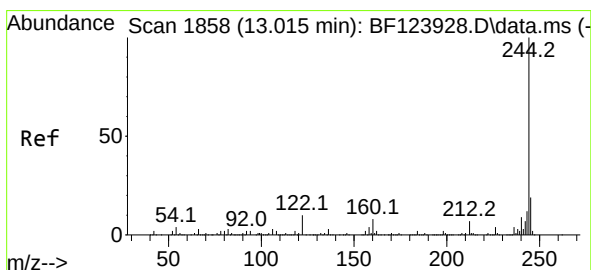
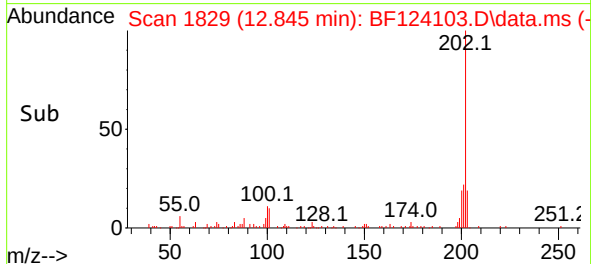
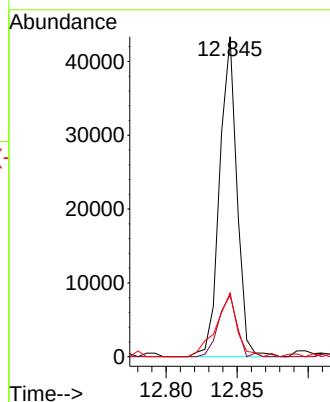
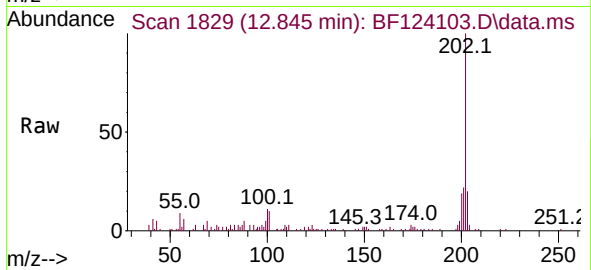
Tgt Ion:	202	Resp:	36796
Ion Ratio	Lower	Upper	
202	100		
200	19.2	16.1	24.1
203	19.9	14.8	22.2

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SAMPLE-LOAMY-TOP



#79

Terphenyl-d14

Concen: 45.73 ng

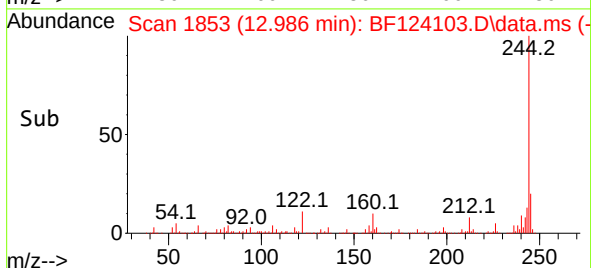
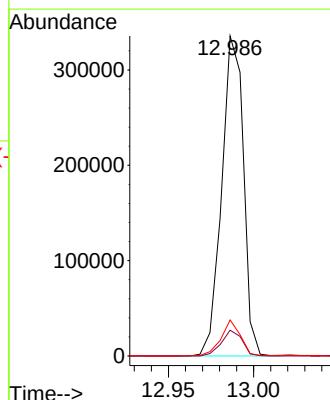
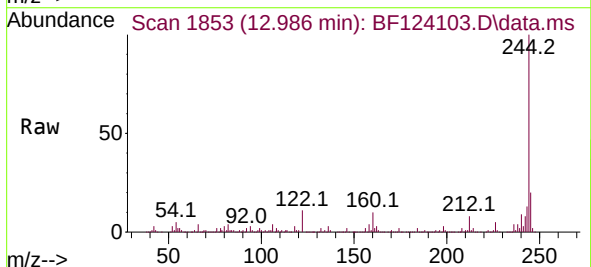
RT: 12.986 min Scan# 1853

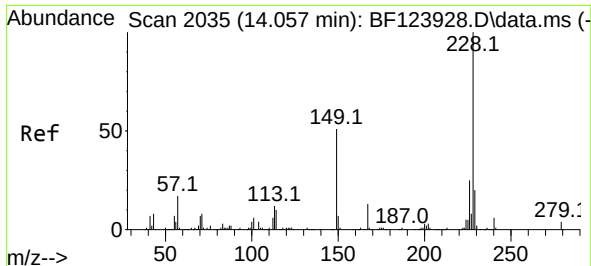
Delta R.T. 0.000 min

Lab File: BF124103.D

Acq: 27 May 2021 21:05

Tgt Ion:	244	Resp:	297326
Ion Ratio	Lower	Upper	
244	100		
212	8.1	5.7	8.5
122	11.2	9.7	14.5

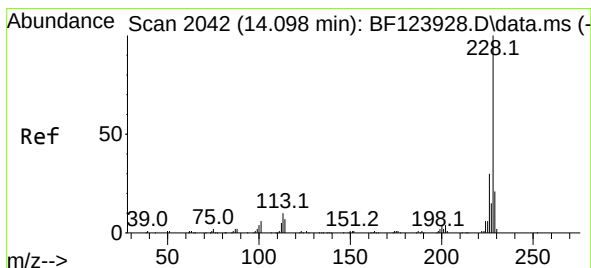
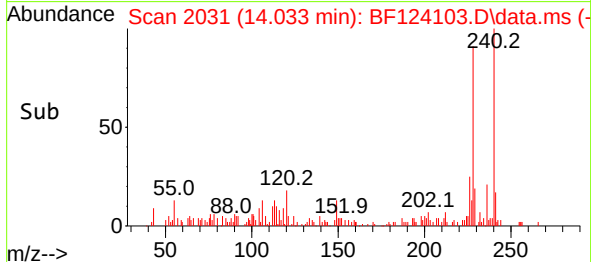
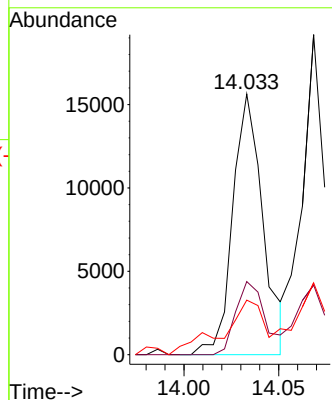
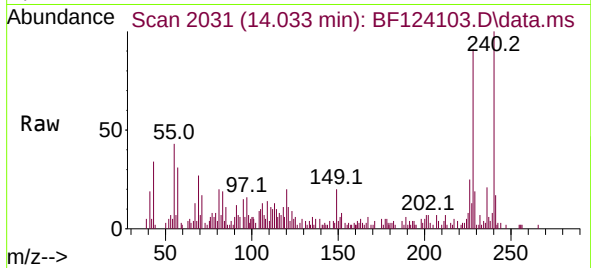




#81
Benzo(a)anthracene
Concen: 2.43 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

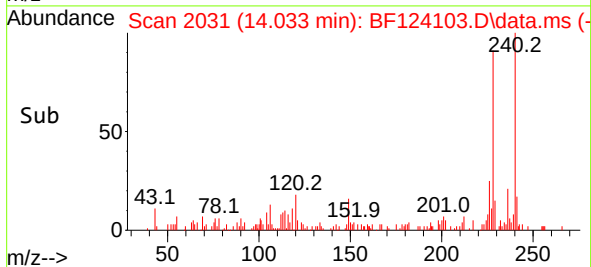
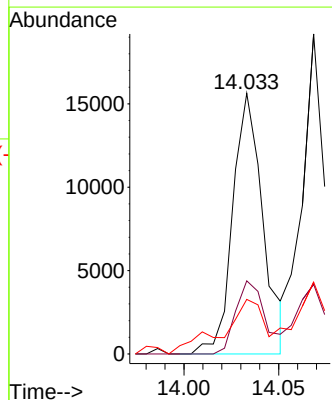
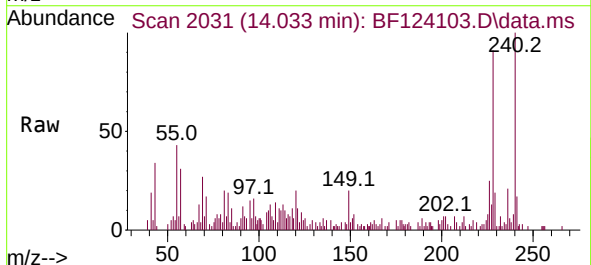
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

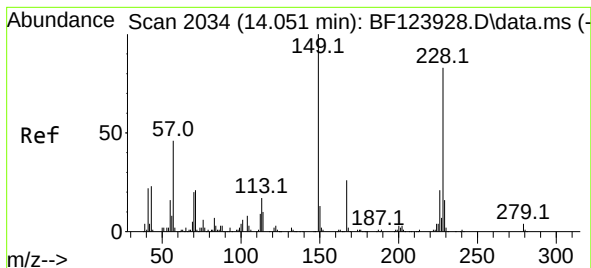
Tgt Ion:228 Resp: 17324
Ion Ratio Lower Upper
228 100
226 28.1 22.4 33.6
229 20.9 16.0 24.0



#83
Chrysene
Concen: 2.53 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.041 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

Tgt Ion:228 Resp: 17324
Ion Ratio Lower Upper
228 100
226 28.1 24.3 36.5
229 20.9 16.2 24.2

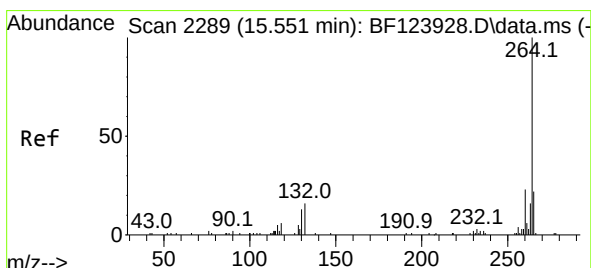
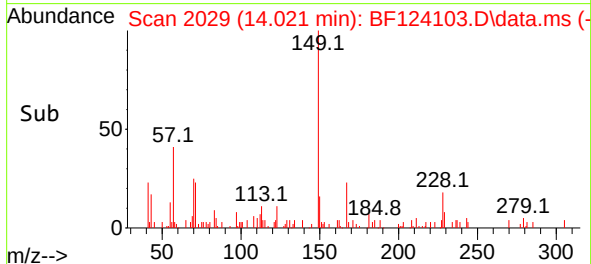
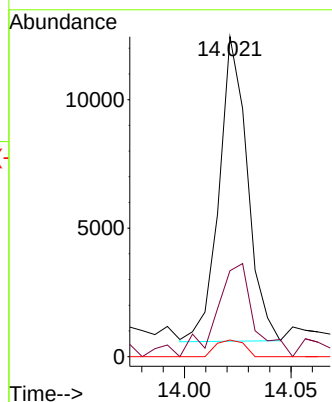
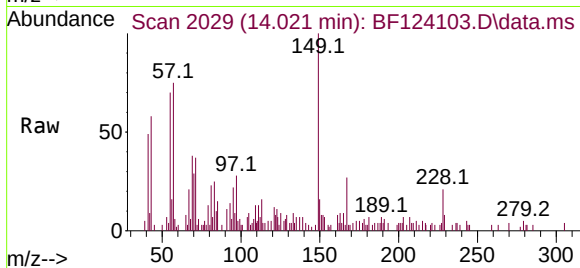




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.26 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

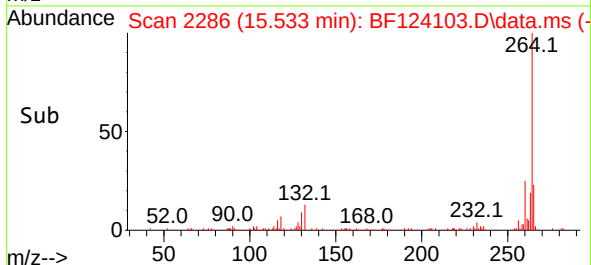
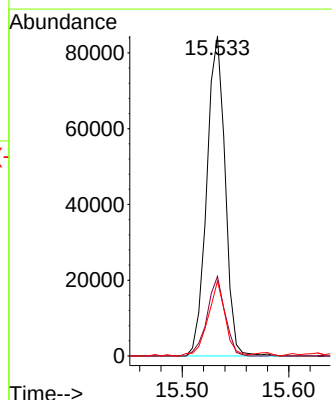
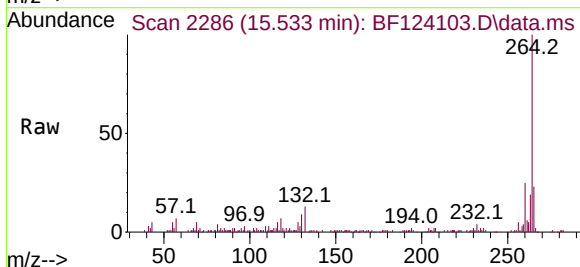
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

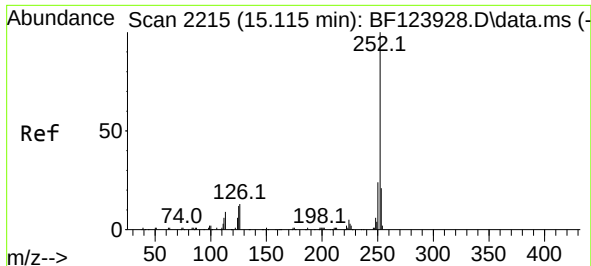
Tgt Ion:149 Resp: 10955
Ion Ratio Lower Upper
149 100
167 26.9 21.8 32.6
279 5.2 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

Tgt Ion:264 Resp: 101249
Ion Ratio Lower Upper
264 100
260 24.9 18.7 28.1
265 23.4 17.8 26.8





#88

Benzo(b)fluoranthene

Concen: 3.80 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.006 min

Lab File: BF124103.D

Acq: 27 May 2021 21:05

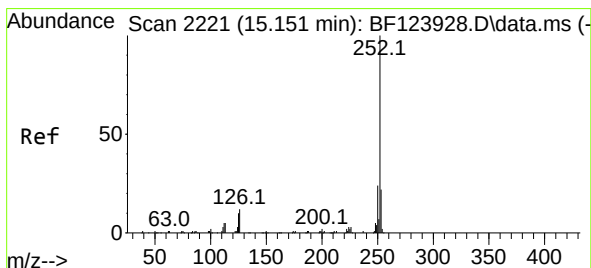
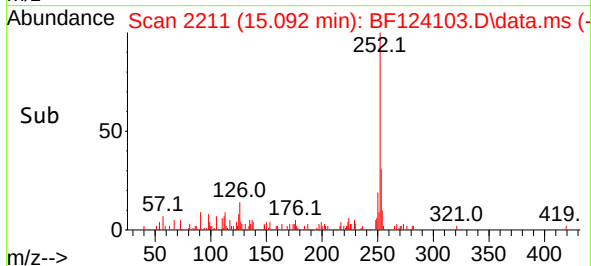
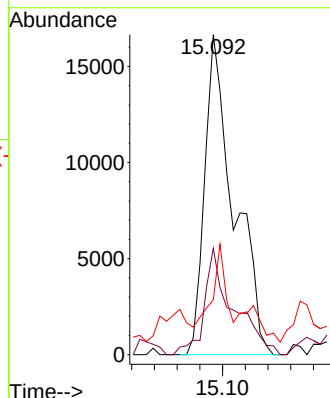
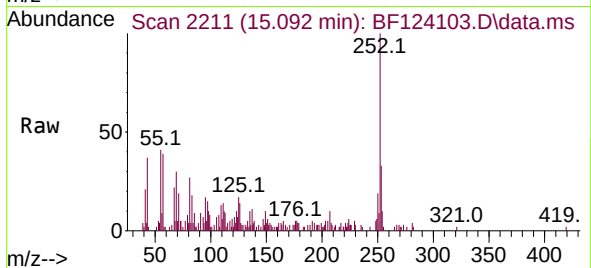
Tgt Ion:	252	Resp:	29729
Ion Ratio	Lower	Upper	
252	100		
253	33.2	18.1	27.1#
125	17.2	6.2	9.4#

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SAMPLE-LOAMY-TOP



#89

Benzo(k)fluoranthene

Concen: 4.16 ng

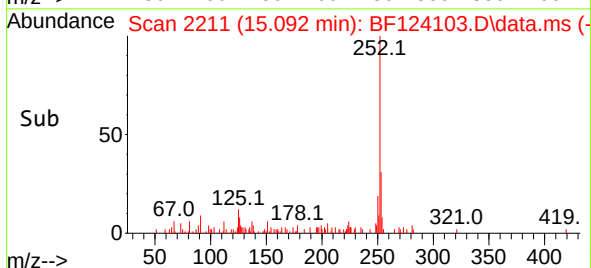
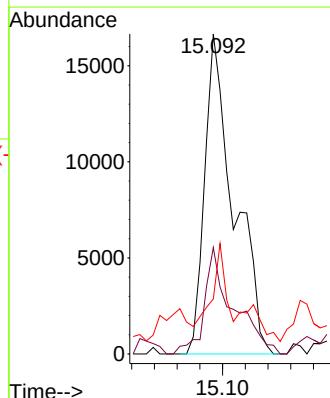
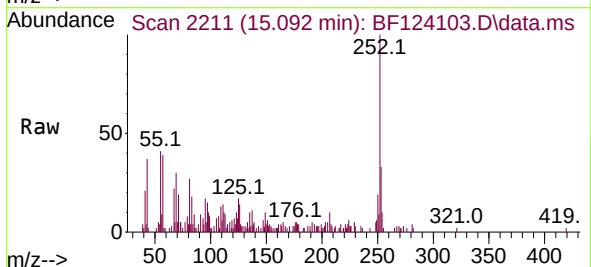
RT: 15.092 min Scan# 2211

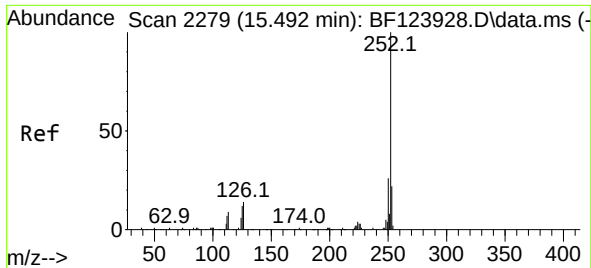
Delta R.T. -0.035 min

Lab File: BF124103.D

Acq: 27 May 2021 21:05

Tgt Ion:	252	Resp:	29729
Ion Ratio	Lower	Upper	
252	100		
253	33.2	17.9	26.9#
125	17.2	7.0	10.6#





#90
Benzo(a)pyrene
Concen: 2.04 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF124103.D
Acq: 27 May 2021 21:05

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SAMPLE-LOAMY-TOP

Tgt Ion:252 Resp: 13844
Ion Ratio Lower Upper
252 100
253 17.2 18.4 27.6#
125 19.5 8.0 12.0#

