

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072821\
 Data File : BF124840.D
 Acq On : 28 Jul 2021 22:05
 Operator : JU/CG
 Sample : M3198-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: Jul 29 02:11:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

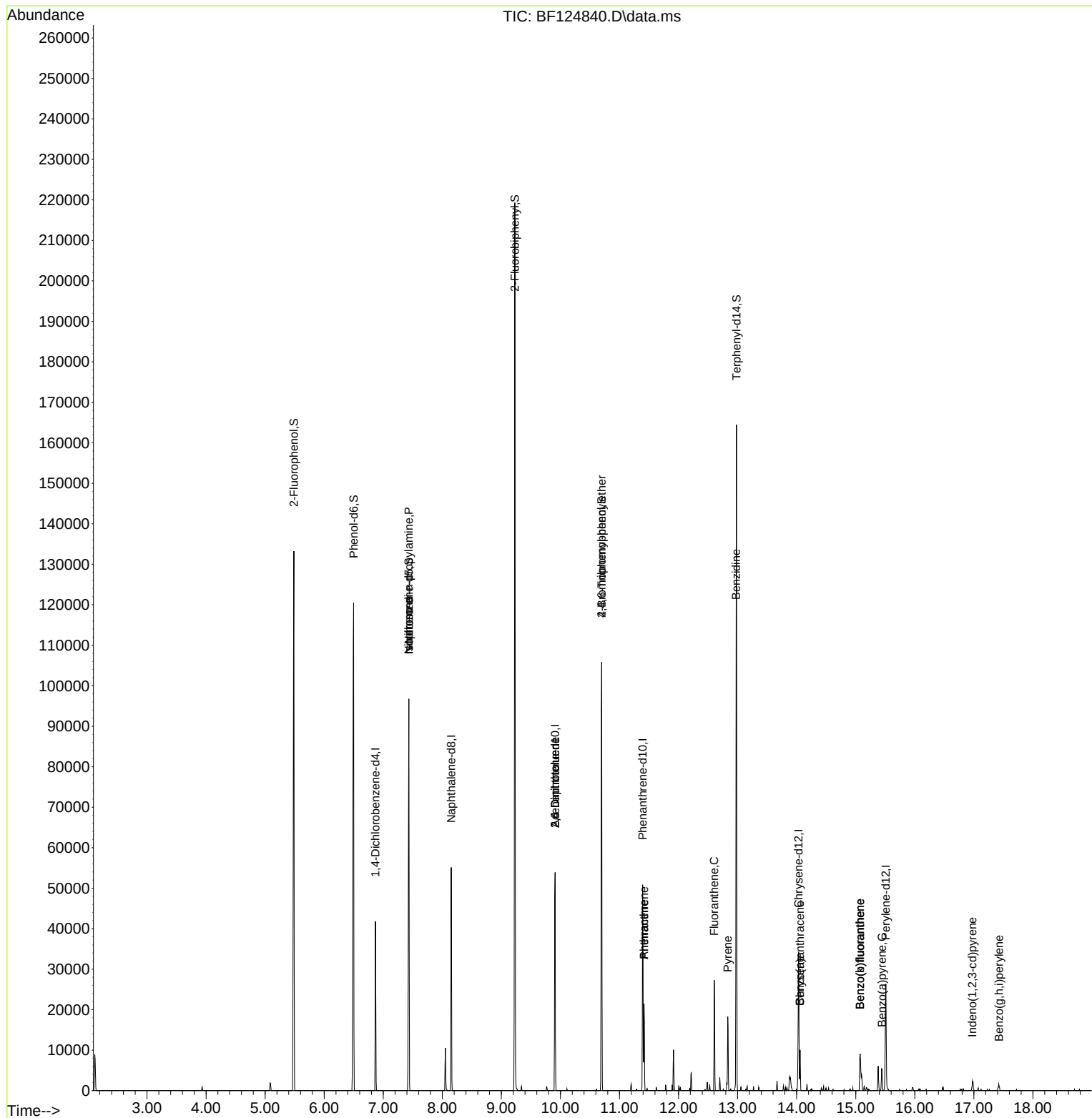
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	5400	20.00	ng	# 0.00
21) Naphthalene-d8	8.151	136	21586	20.00	ng	# 0.00
39) Acenaphthene-d10	9.910	164	11679	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	18777	20.00	ng	# 0.00
76) Chrysene-d12	14.033	240	12119	20.00	ng	# 0.00
86) Perylene-d12	15.509	264	13063	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	34526	108.26	ng	0.00
7) Phenol-d6	6.498	99	41055	102.68	ng	0.00
23) Nitrobenzene-d5	7.434	82	27624	76.17	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	11027	109.97	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	59598	74.95	ng	0.00
79) Terphenyl-d14	12.980	244	49685	70.28	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	3578	16.76	ng	# 66
25) Isophorone	7.434	82	27623	43.07	ng	# 59
51) 2,6-Dinitrotoluene	9.910	165	1626	9.15	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	1626	6.74	ng	# 18
67) 4-Bromophenyl-phenylether	10.698	248	965	4.85	ng	# 1
71) Phenanthrene	11.416	178	8496	8.41	ng	96
72) Anthracene	11.416	178	8496	8.42	ng	97
75) Fluoranthene	12.604	202	10987	10.66	ng	97
77) Benzidine	12.974	184	831	2.43	ng	# 69
78) Pyrene	12.833	202	8524	8.88	ng	99
81) Benzo(a)anthracene	14.057	228	4487	5.66	ng	97
83) Chrysene	14.057	228	4487	5.88	ng	99
87) Indeno(1,2,3-cd)pyrene	16.974	276	2380	3.16	ng	# 68
88) Benzo(b)fluoranthene	15.074	252	8625	9.38	ng	98
89) Benzo(k)fluoranthene	15.074	252	8625	10.26	ng	97
90) Benzo(a)pyrene	15.445	252	3333	4.34	ng	# 91
92) Benzo(g,h,i)perylene	17.427	276	2012	3.21	ng	# 47

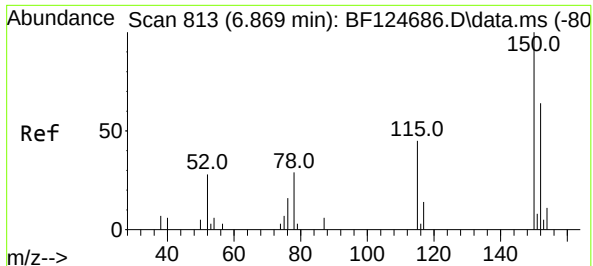
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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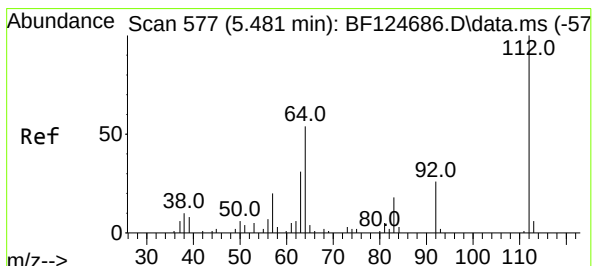
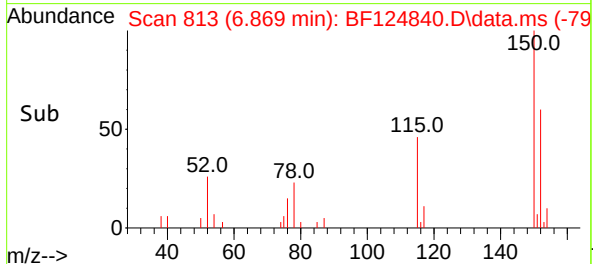
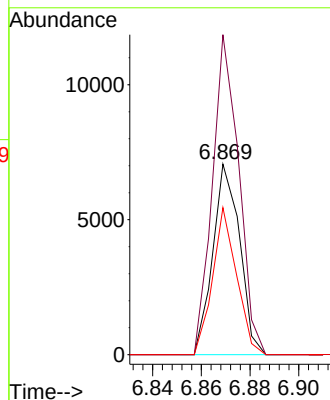
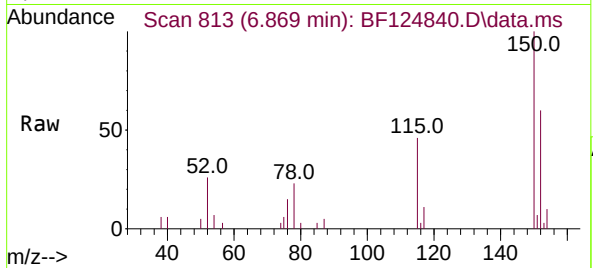




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

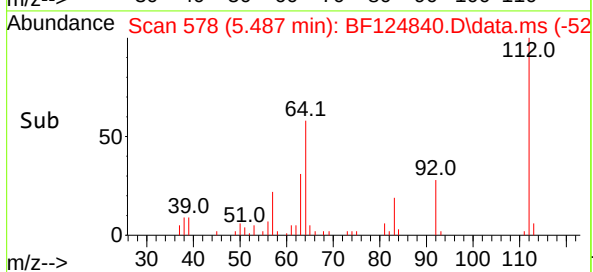
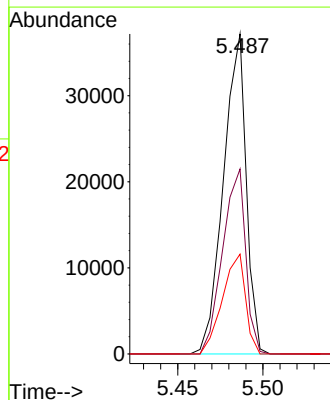
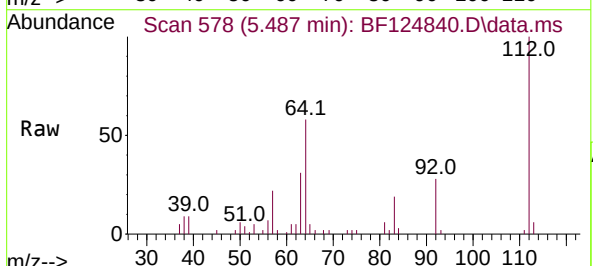
Instrument :
BNA_F
ClientSampled :
TP-7

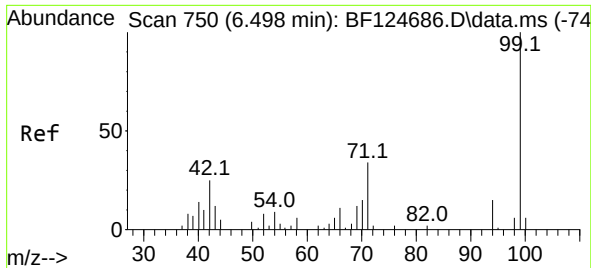
Tgt Ion:152 Resp: 5400
Ion Ratio Lower Upper
152 100
150 167.9 117.6 176.4
115 77.1 47.1 70.7#



#5
2-Fluorophenol
Concen: 108.26 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:112 Resp: 34526
Ion Ratio Lower Upper
112 100
64 57.8 44.2 66.2
63 31.2 26.2 39.2

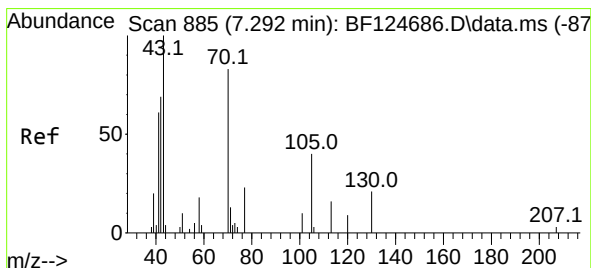
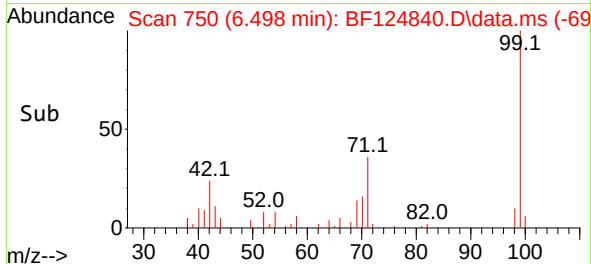
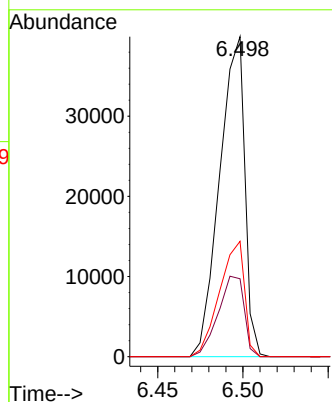
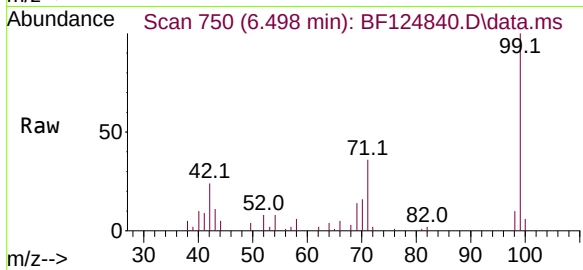




#7
Phenol-d6
Concen: 102.68 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

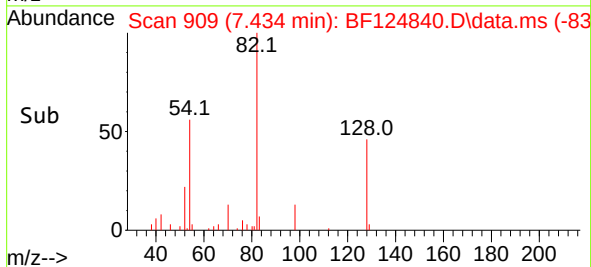
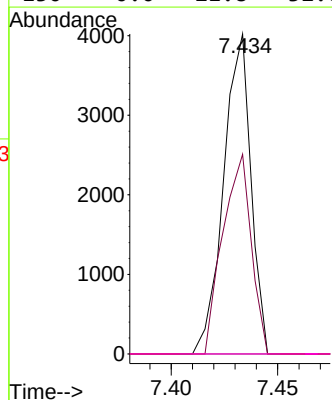
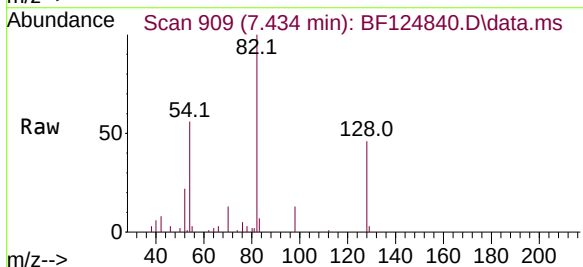
Instrument :
BNA_F
ClientSampleId :
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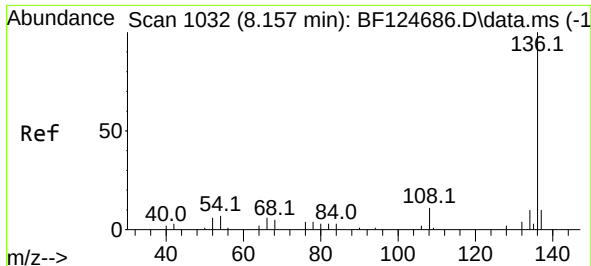
Tgt Ion:	99	Resp:	41055
Ion	Ratio	Lower	Upper
99	100		
42	24.3	23.5	35.3
71	36.0	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.76 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:	70	Resp:	3578
Ion	Ratio	Lower	Upper
70	100		
42	62.4	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

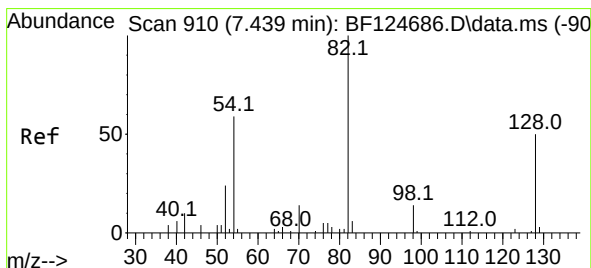
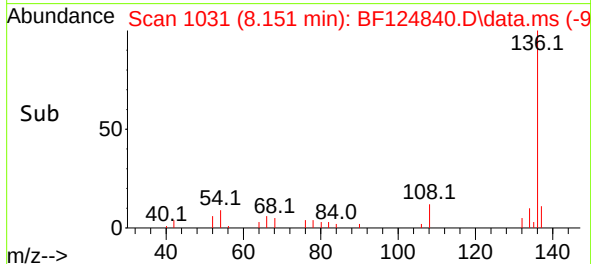
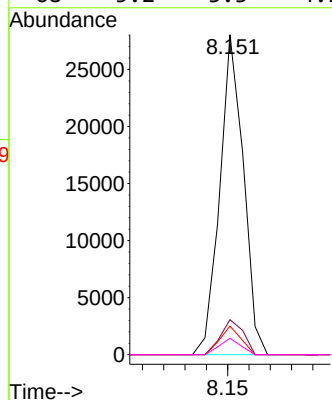
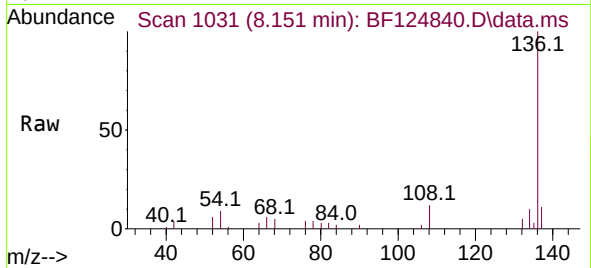




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

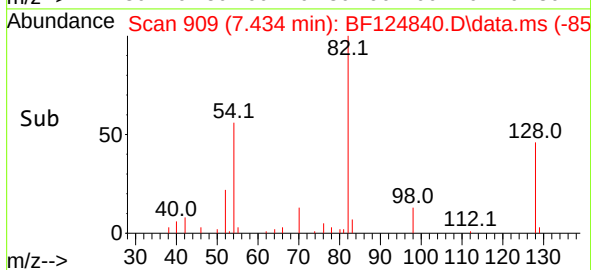
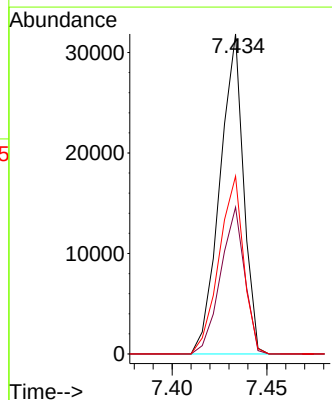
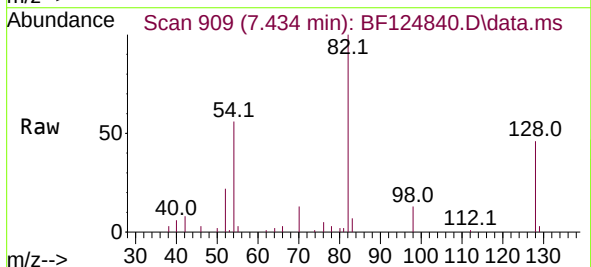
Instrument :
BNA_F
ClientSampled :
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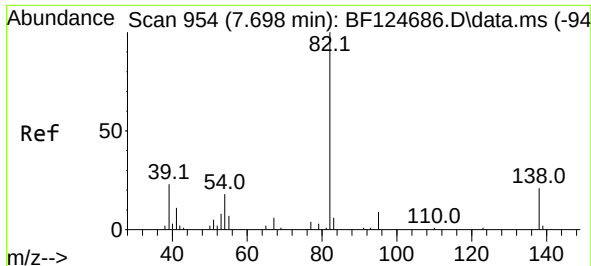
Tgt Ion:	136	Resp:	21586
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.8	14.6
54	9.0	6.4	9.6
68	5.2	3.3	4.9



#23
Nitrobenzene-d5
Concen: 76.17 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:	82	Resp:	27624
Ion Ratio	Lower	Upper	
82	100		
128	45.9	40.6	60.8
54	55.6	49.6	74.4

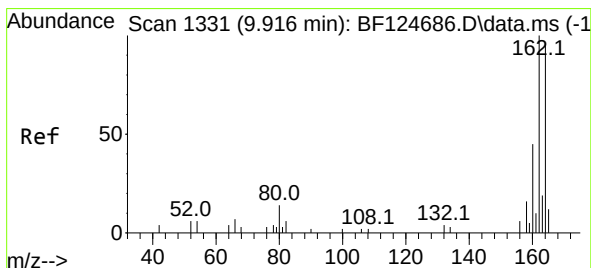
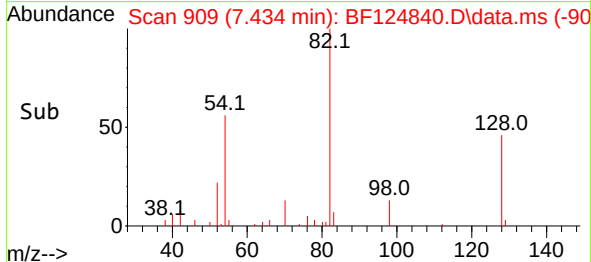
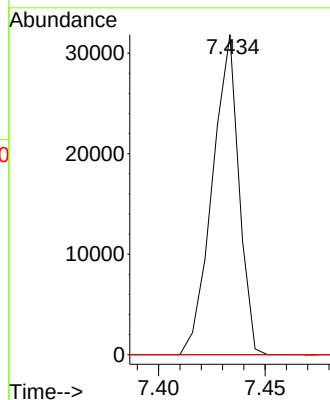
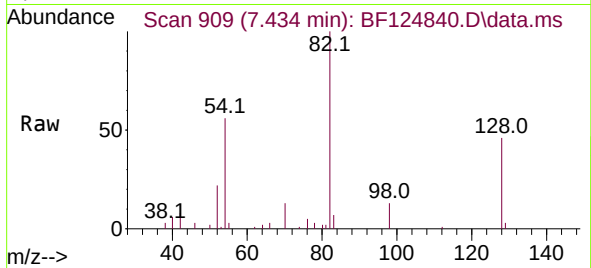




#25
Isophorone
Concen: 43.07 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

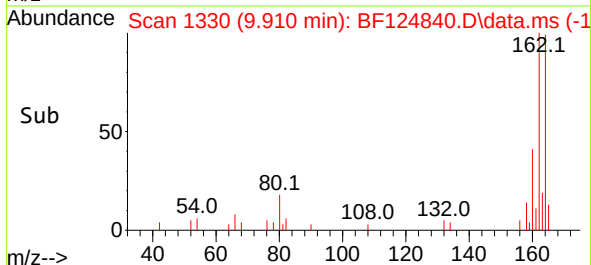
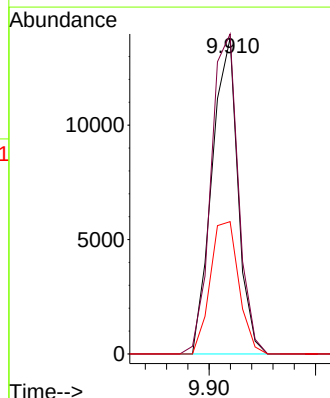
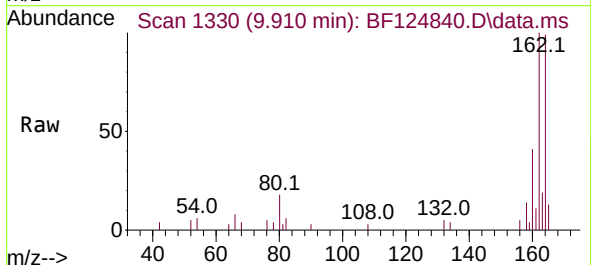
Instrument :
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ClientSampleId :
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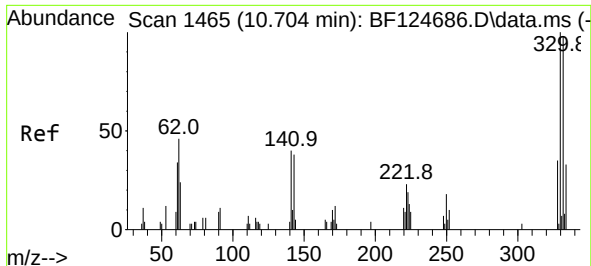
Tgt Ion: 82 Resp: 27623
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion: 164 Resp: 11679
Ion Ratio Lower Upper
164 100
162 101.3 81.3 121.9
160 41.9 38.0 57.0

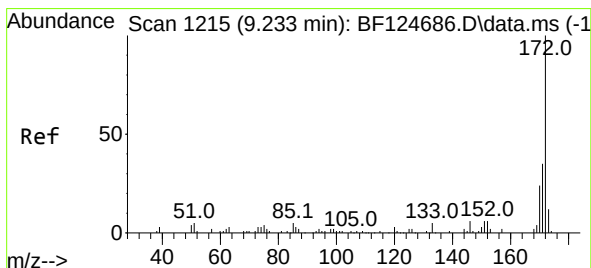
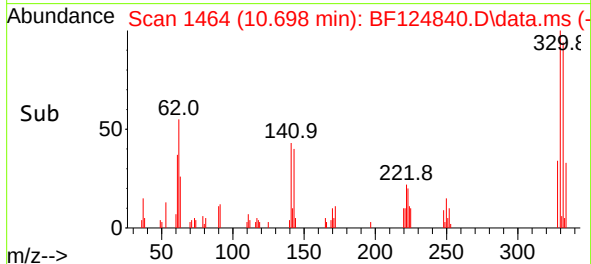
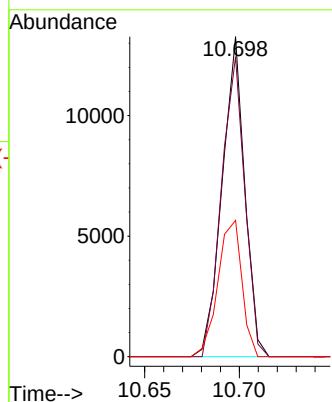
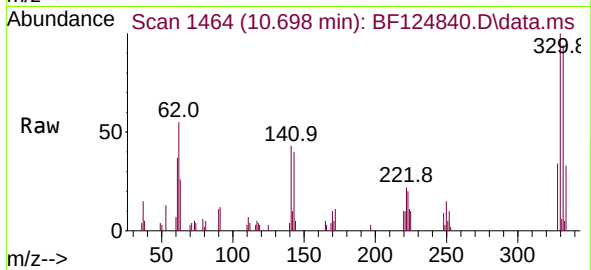




#42
2,4,6-Tribromophenol
Concen: 109.97 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

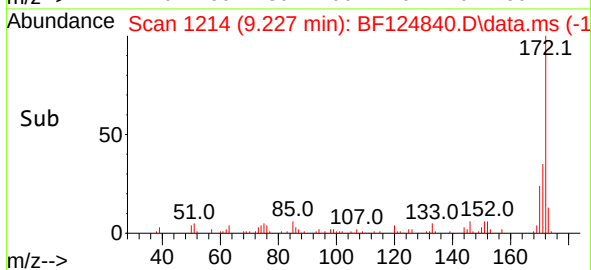
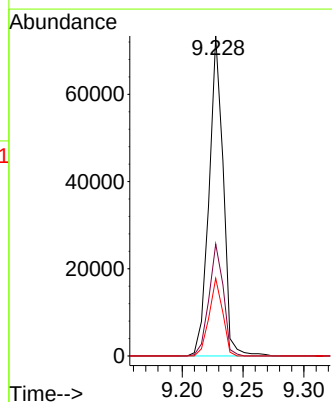
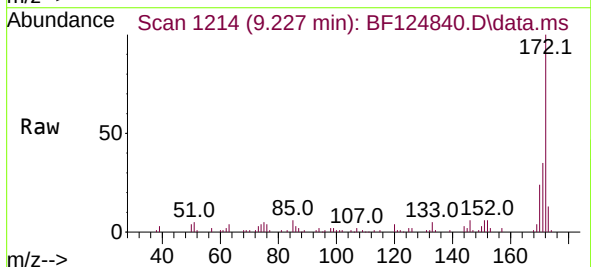
Instrument :
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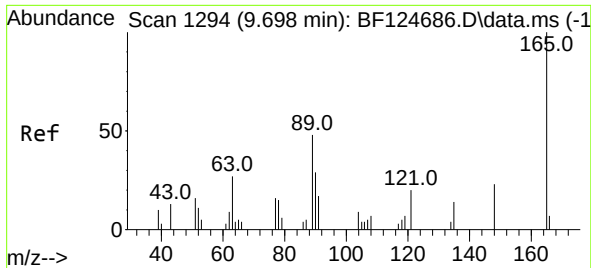
Tgt Ion: 330 Resp: 11027
Ion Ratio Lower Upper
330 100
332 96.4 76.2 114.4
141 45.3 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 74.95 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion: 172 Resp: 59598
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 24.3 18.8 28.2

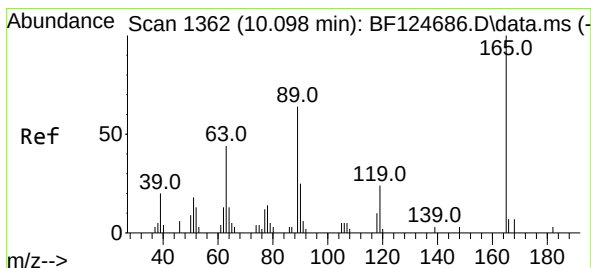
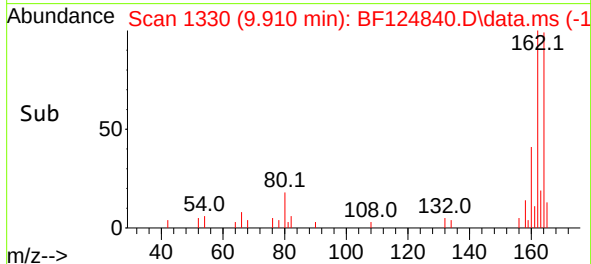
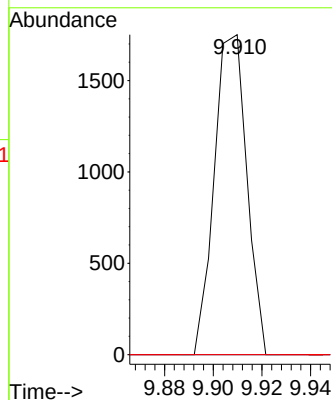
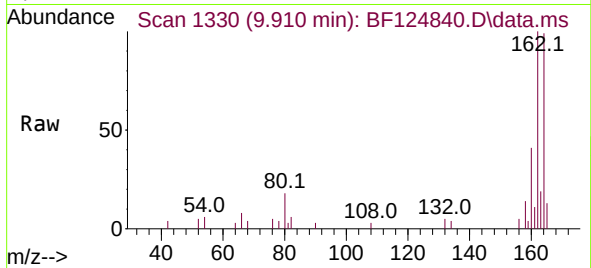




#51
2,6-Dinitrotoluene
Concen: 9.15 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

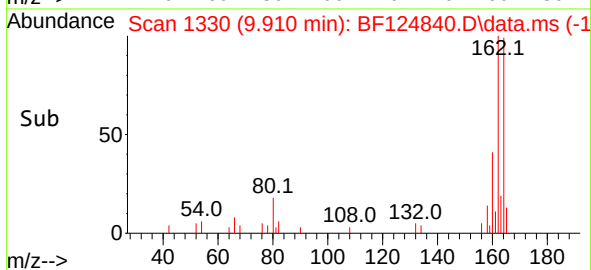
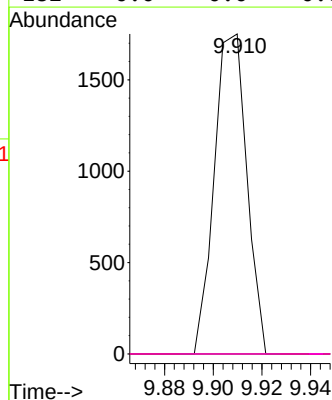
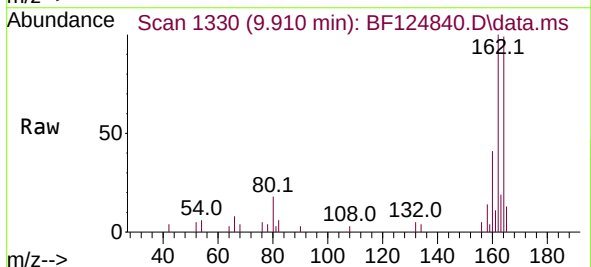
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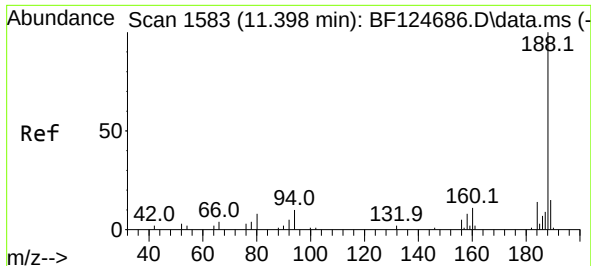
Tgt Ion:165 Resp: 1626
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 6.74 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:165 Resp: 1626
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

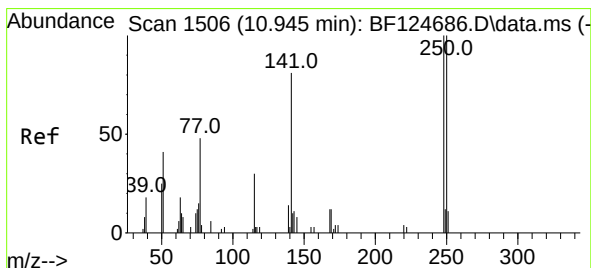
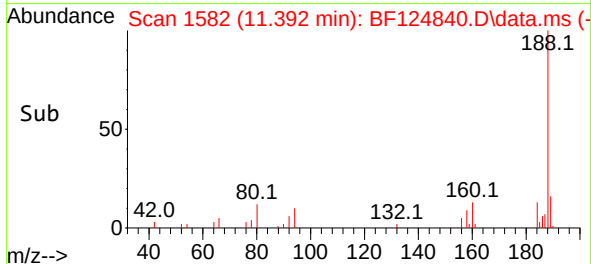
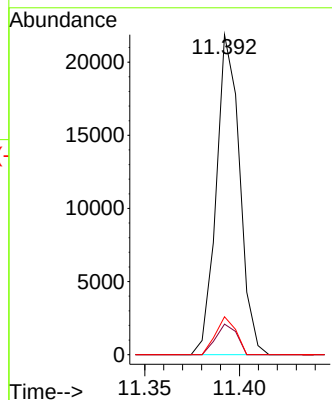
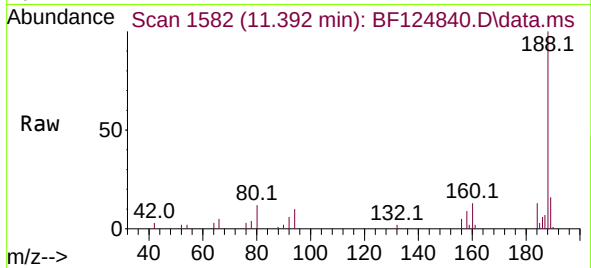




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

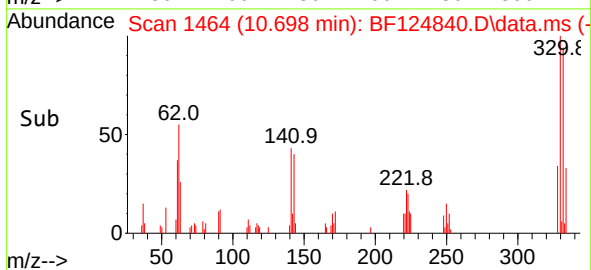
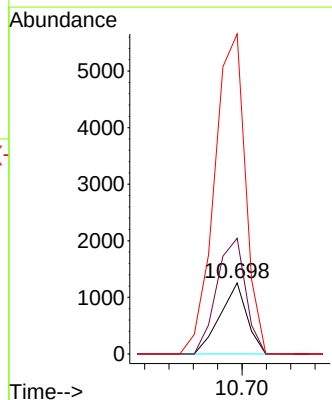
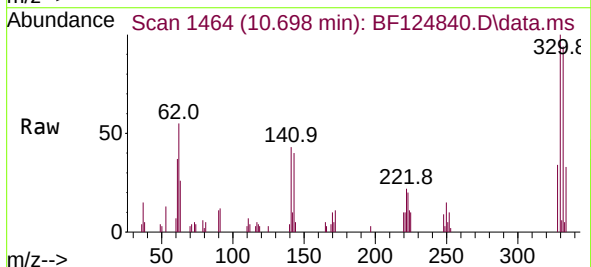
Instrument :
BNA_F
ClientSampled :
TP-7

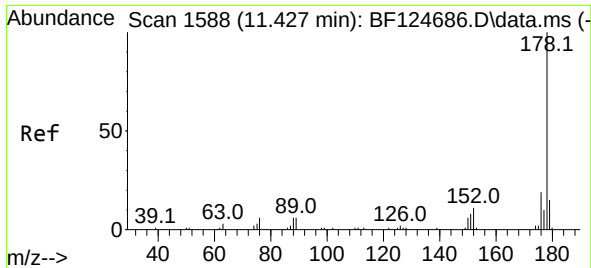
Tgt Ion:188 Resp: 18777
Ion Ratio Lower Upper
188 100
94 9.5 6.7 10.1
80 11.8 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 4.85 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:248 Resp: 965
Ion Ratio Lower Upper
248 100
250 162.9 74.2 111.4#
141 450.7 60.4 90.6#

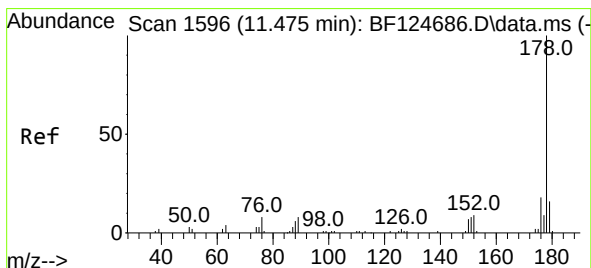
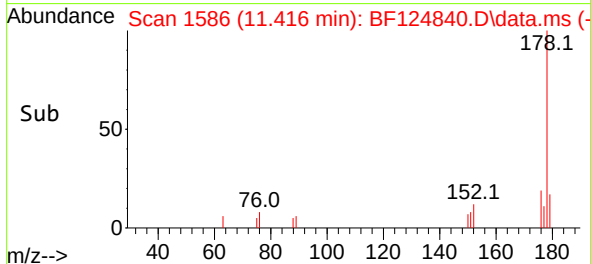
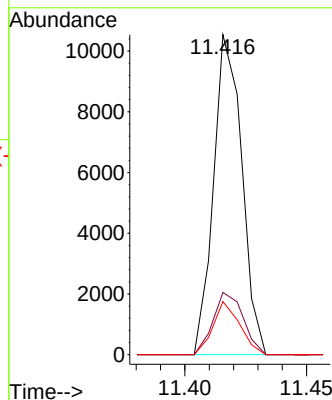
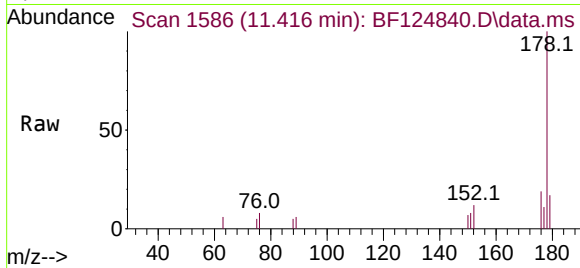




#71
Phenanthrene
Concen: 8.41 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

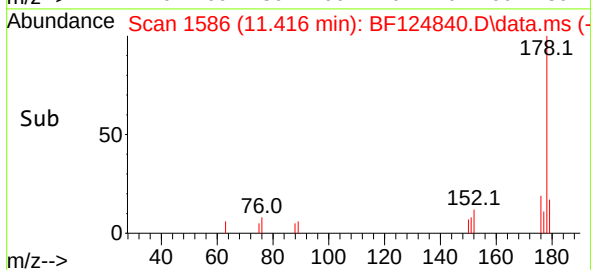
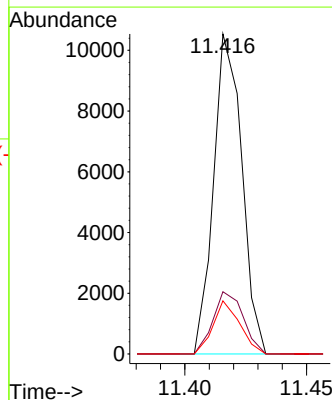
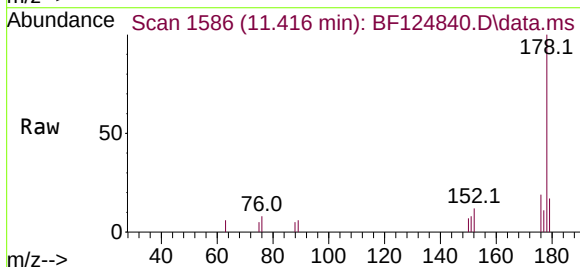
Instrument :
BNA_F
ClientSampled :
TP-7

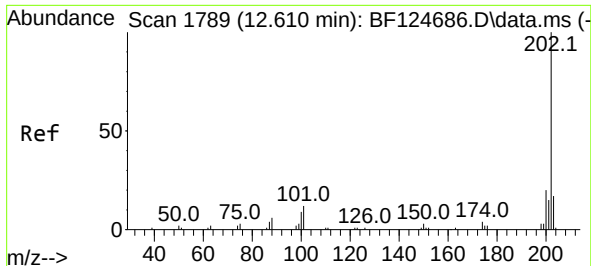
Tgt Ion:178 Resp: 8496
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 16.6 11.5 17.3



#72
Anthracene
Concen: 8.42 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.059 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:178 Resp: 8496
Ion Ratio Lower Upper
178 100
176 19.5 14.3 21.5
179 16.6 12.2 18.4

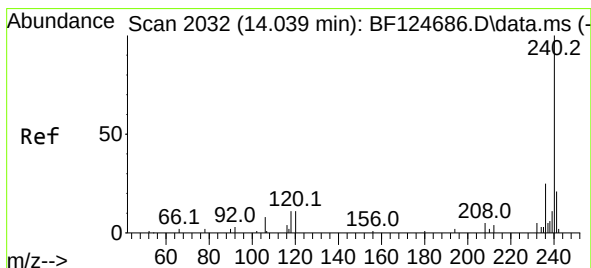
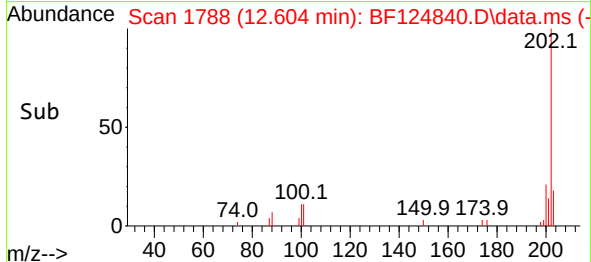
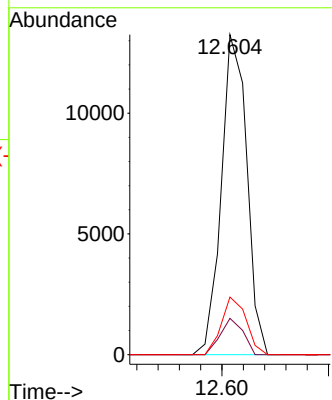
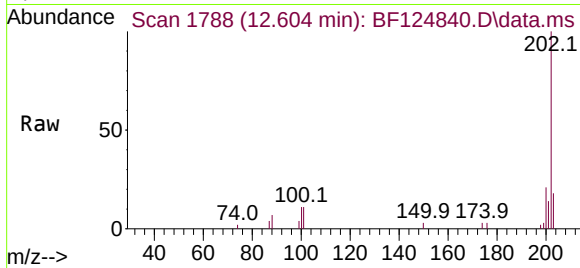




#75
Fluoranthene
Concen: 10.66 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

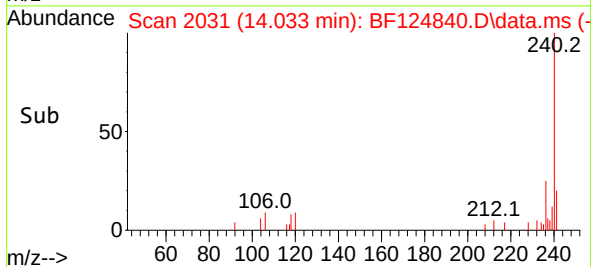
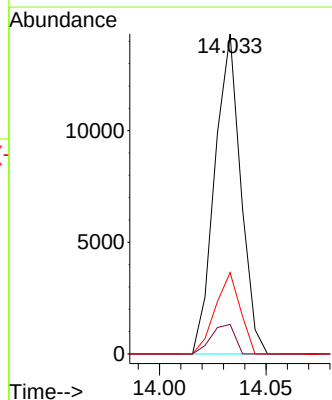
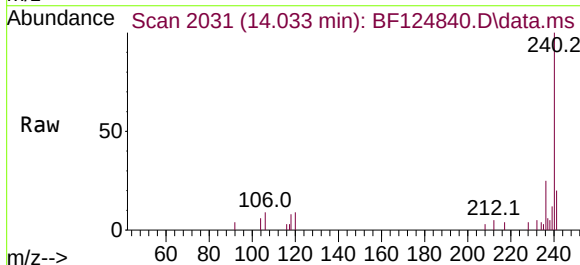
Instrument :
BNA_F
ClientSampled :
TP-7

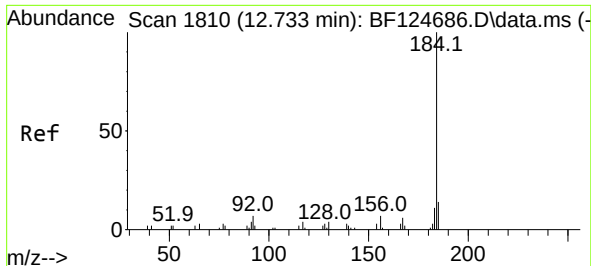
Tgt Ion:202	Resp:	10987
Ion Ratio	Lower	Upper
202	100	
101	11.4	0.0 30.7
203	18.0	0.0 36.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:240	Resp:	12119
Ion Ratio	Lower	Upper
240	100	
120	9.2	10.8 16.2#
236	25.4	21.6 32.4

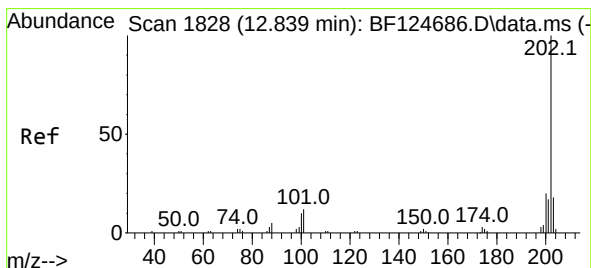
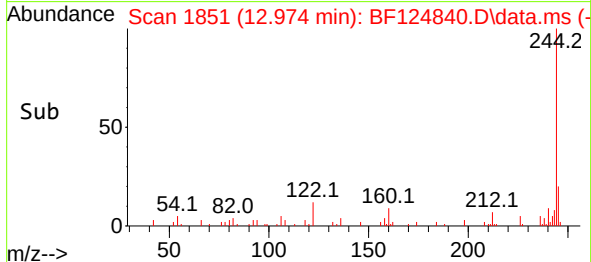
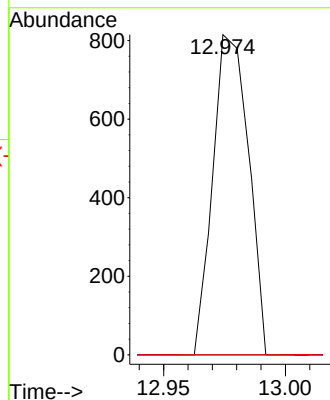
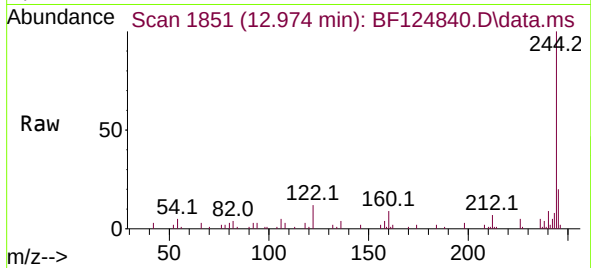




#77
Benzidine
Concen: 2.43 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.241 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

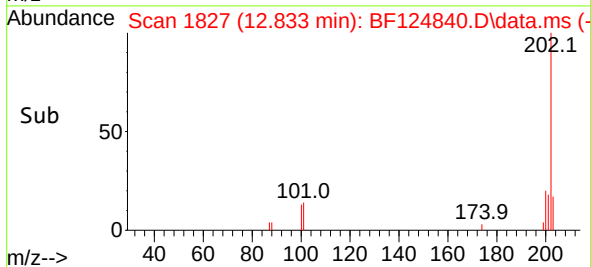
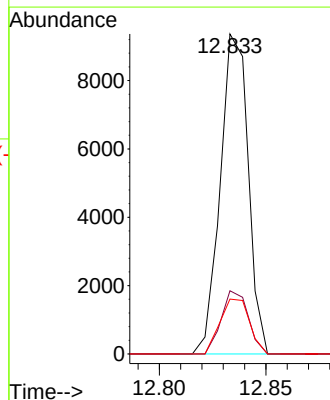
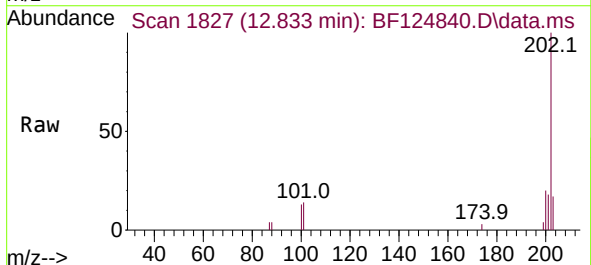
Instrument :
BNA_F
ClientSampled :
TP-7

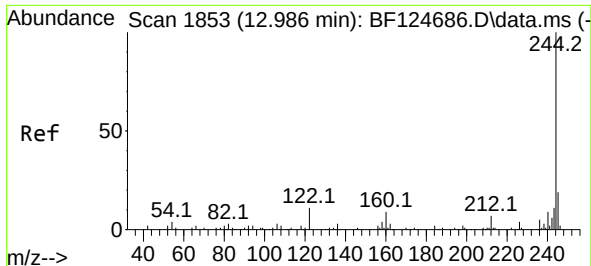
Tgt Ion:184 Resp: 831
Ion Ratio Lower Upper
184 100
185 0.0 10.8 16.2#
183 0.0 8.1 12.1#



#78
Pyrene
Concen: 8.88 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:202 Resp: 8524
Ion Ratio Lower Upper
202 100
200 19.7 15.3 22.9
203 17.1 13.4 20.0

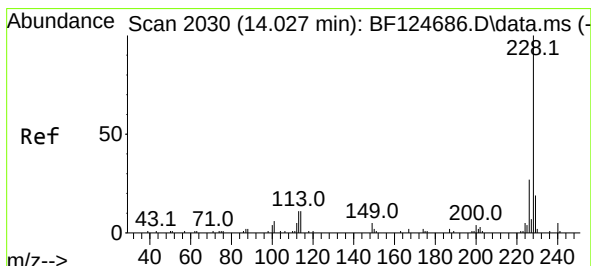
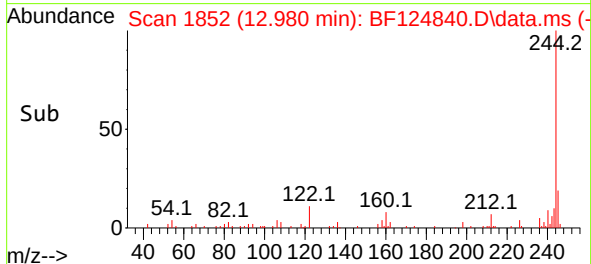
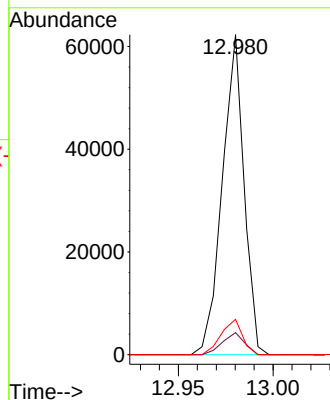
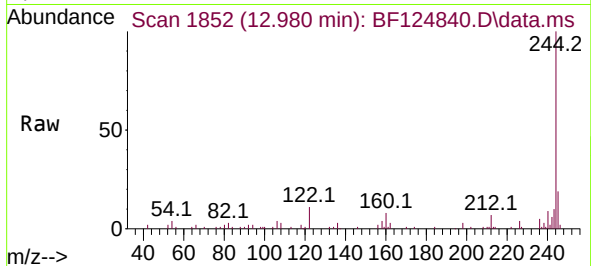




#79
 Terphenyl-d14
 Concen: 70.28 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF124840.D
 Acq: 28 Jul 2021 22:05

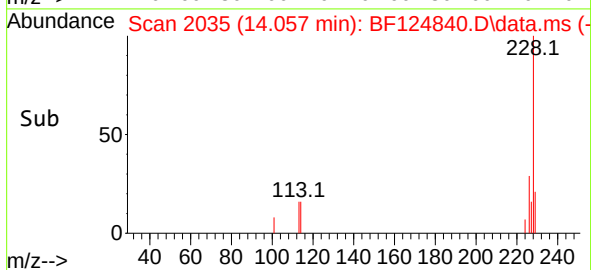
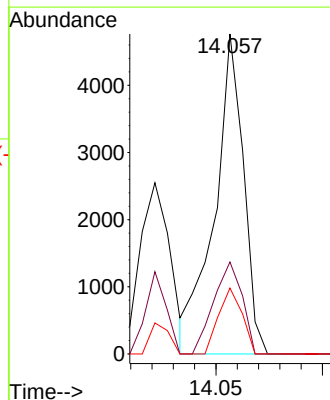
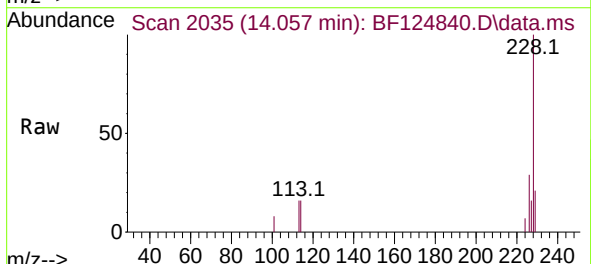
Instrument :
 BNA_F
 ClientSampled :
 TP-7

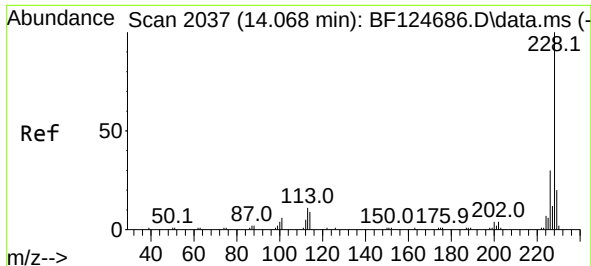
Tgt Ion:244	Resp:	49685
Ion Ratio	Lower	Upper
244	100	
212	6.9	5.9 8.9
122	11.1	9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 5.66 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. 0.029 min
 Lab File: BF124840.D
 Acq: 28 Jul 2021 22:05

Tgt Ion:228	Resp:	4487
Ion Ratio	Lower	Upper
228	100	
226	28.8	21.6 32.4
229	20.6	15.6 23.4

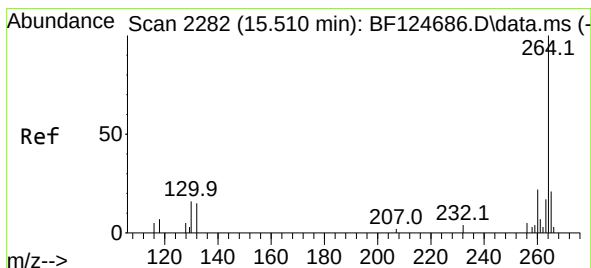
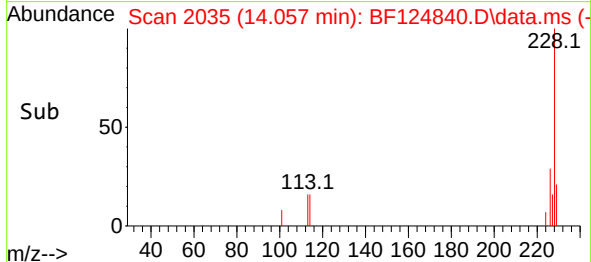
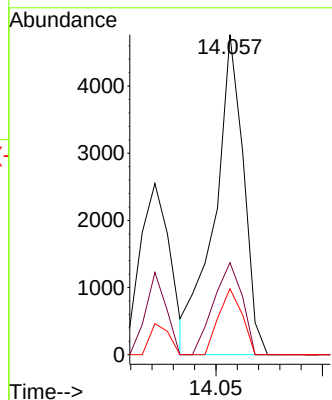
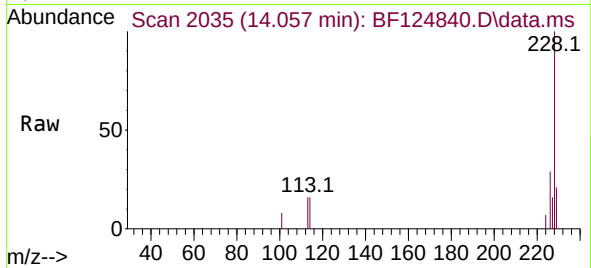




#83
Chrysene
Concen: 5.88 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

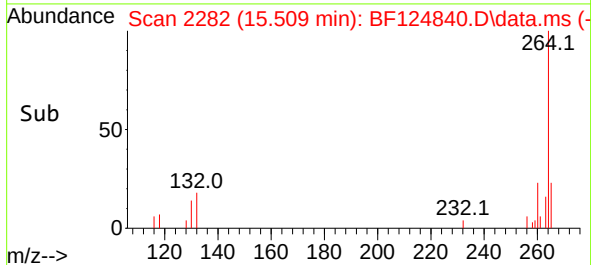
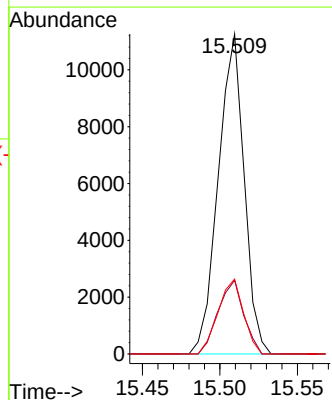
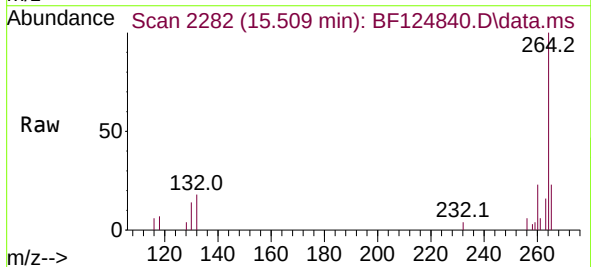
Instrument :
BNA_F
ClientSampled :
TP-7

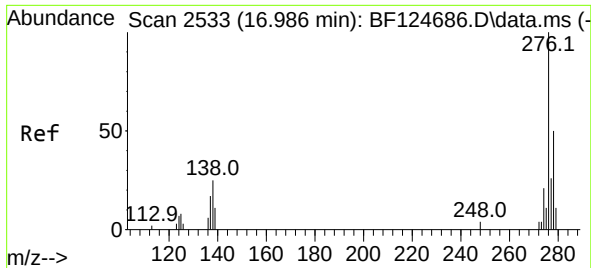
Tgt Ion:228	Resp:	4487
Ion Ratio	Lower	Upper
228	100	
226	28.8	22.6 34.0
229	20.6	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.509 min Scan# 2282
Delta R.T. -0.000 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:264	Resp:	13063
Ion Ratio	Lower	Upper
264	100	
260	23.0	19.6 29.4
265	23.4	17.2 25.8

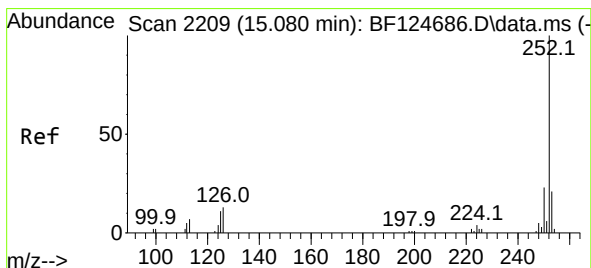
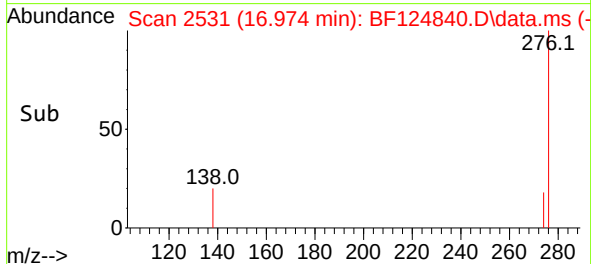
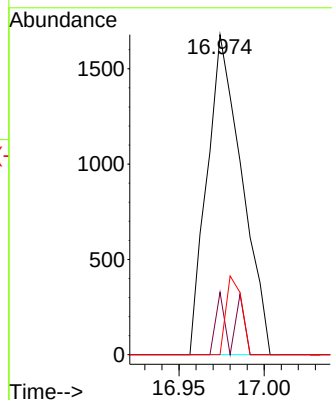
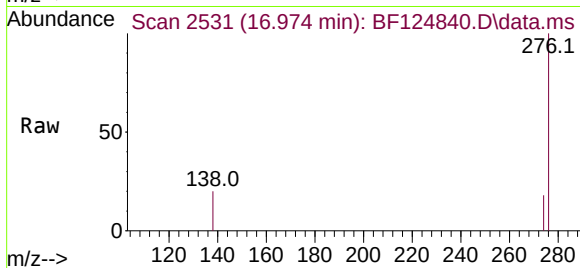




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.16 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.012 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

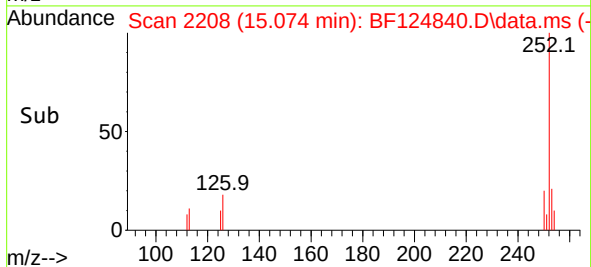
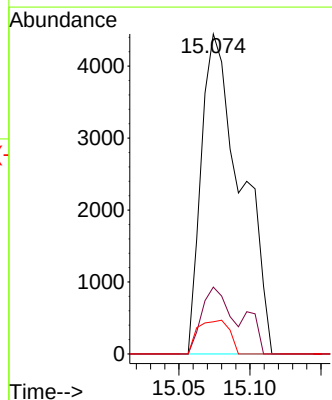
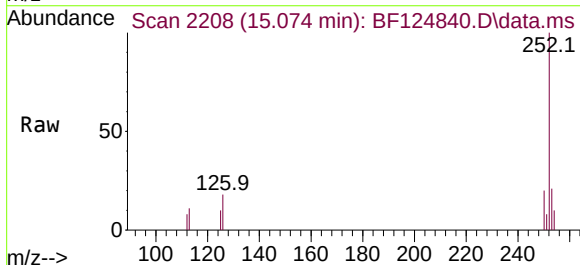
Instrument :
BNA_F
ClientSampled :
TP-7

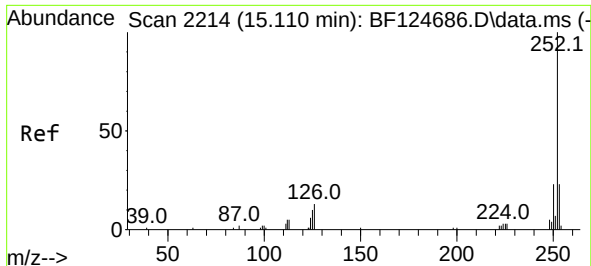
Tgt Ion:276 Resp: 2380
Ion Ratio Lower Upper
276 100
138 9.6 24.1 36.1#
277 11.0 18.8 28.2#



#88
Benzo(b)fluoranthene
Concen: 9.38 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Tgt Ion:252 Resp: 8625
Ion Ratio Lower Upper
252 100
253 20.9 16.8 25.2
125 10.1 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 10.26 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.035 min

Lab File: BF124840.D

Acq: 28 Jul 2021 22:05

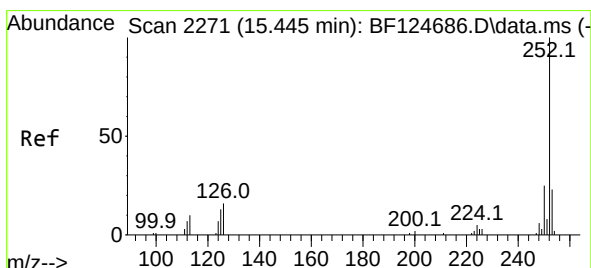
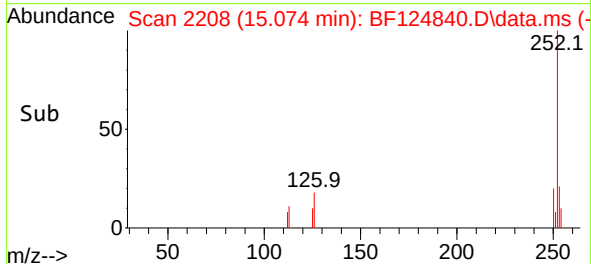
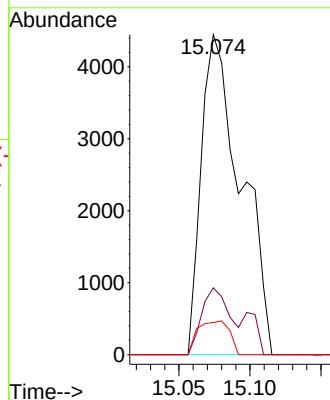
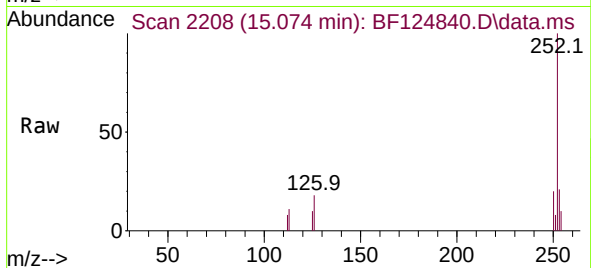
Instrument :

BNA_F

ClientSampleId :

TP-7

Tgt Ion:252	Resp:	8625
Ion Ratio	Lower	Upper
252	100	
253	20.9	17.8 26.8
125	10.1	7.2 10.8



#90

Benzo(a)pyrene

Concen: 4.34 ng

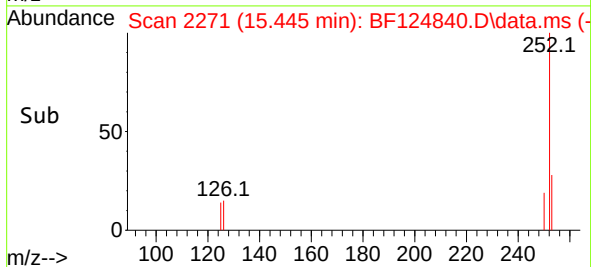
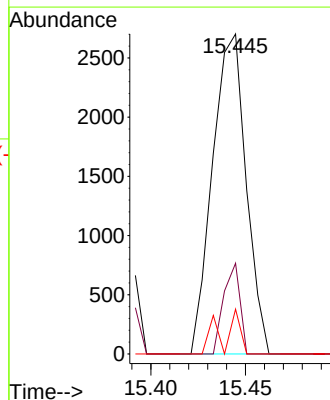
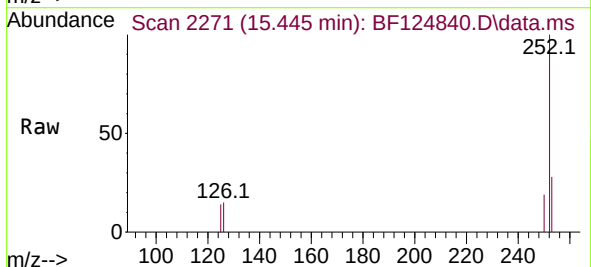
RT: 15.445 min Scan# 2271

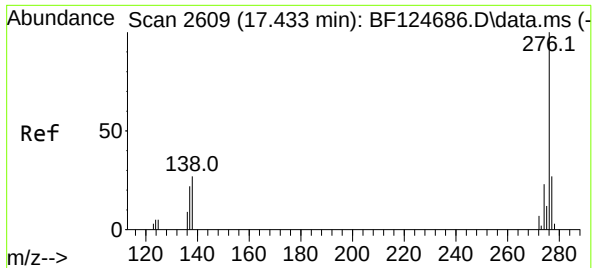
Delta R.T. -0.000 min

Lab File: BF124840.D

Acq: 28 Jul 2021 22:05

Tgt Ion:252	Resp:	3333
Ion Ratio	Lower	Upper
252	100	
253	28.3	18.4 27.6#
125	14.0	9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 3.21 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.006 min
Lab File: BF124840.D
Acq: 28 Jul 2021 22:05

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:276 Resp: 2012
Ion Ratio Lower Upper
276 100
277 0.0 22.0 33.0#
138 0.0 22.2 33.4#

