

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052421\
 Data File : BF124045.D
 Acq On : 24 May 2021 19:17
 Operator : JU/CG
 Sample : M2479-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MIXED-SUBBASE-GROUND-4-10-D

Quant Time: May 25 01:29:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

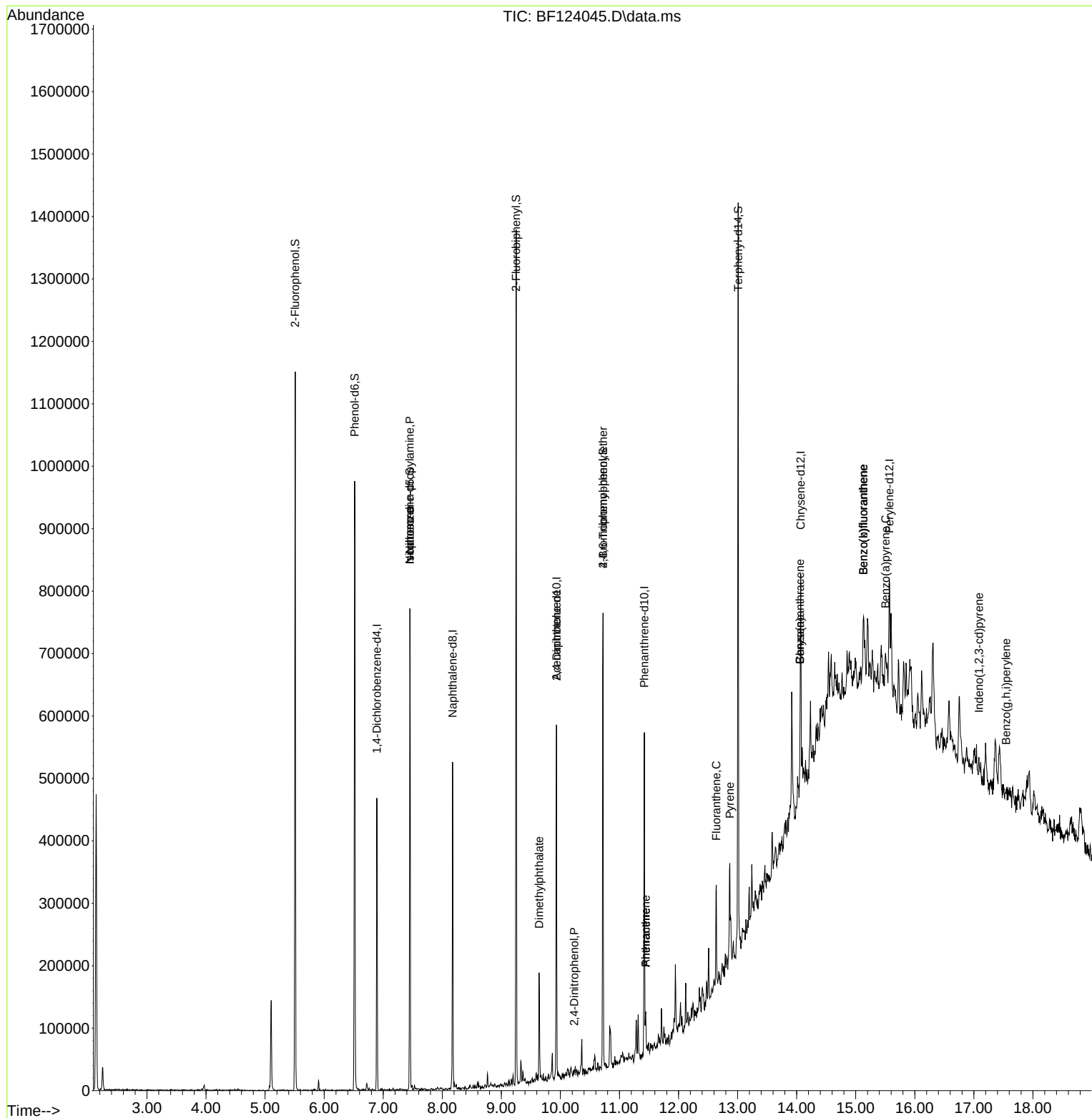
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	52268	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	181351	20.00	ng	-0.01
39) Acenaphthene-d10	9.934	164	91585	20.00	ng	-0.01
64) Phenanthrene-d10	11.422	188	159216	20.00	ng	0.00
76) Chrysene-d12	14.069	240	89314	20.00	ng	# 0.00
86) Perylene-d12	15.568	264	66565	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	230858	62.01	ng	0.00
7) Phenol-d6	6.516	99	271678	56.26	ng	0.00
23) Nitrobenzene-d5	7.451	82	206628	49.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	72352	65.77	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	328537	44.14	ng	-0.01
79) Terphenyl-d14	13.010	244	320663	54.38	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	31166	9.55	ng	# 68
25) Isophorone	7.451	82	206624	25.52	ng	# 69
50) Dimethylphthalate	9.639	163	48181	6.59	ng	100
54) 2,4-Dinitrophenol	10.233	184	155	7.46	ng	# 9
57) 2,4-Dinitrotoluene	9.934	165	12722	7.01	ng	# 18
67) 4-Bromophenyl-phenylether	10.722	248	5162	2.47	ng	# 1
71) Phenanthrene	11.445	178	24281	2.41	ng	94
72) Anthracene	11.445	178	24281	2.37	ng	95
75) Fluoranthene	12.639	202	66619	6.38	ng	97
78) Pyrene	12.869	202	65553	8.27	ng	97
81) Benzo(a)anthracene	14.057	228	26167	4.05	ng	95
83) Chrysene	14.057	228	26167	4.21	ng	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	14670	2.85	ng	93
88) Benzo(b)fluoranthene	15.127	252	38941	7.56	ng	# 69
89) Benzo(k)fluoranthene	15.127	252	38941	8.30	ng	# 70
90) Benzo(a)pyrene	15.504	252	20523	4.61	ng	# 68
92) Benzo(g,h,i)perylene	17.545	276	16611	3.83	ng	# 73

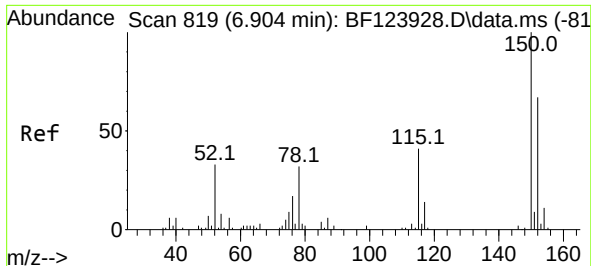
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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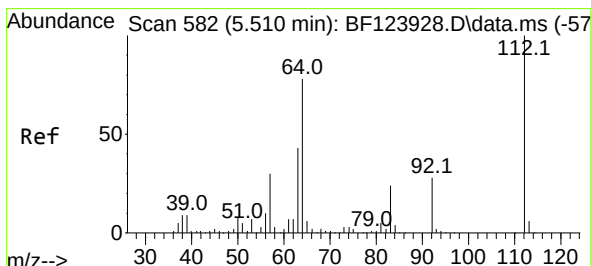
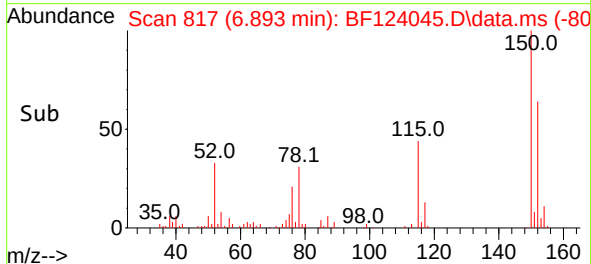
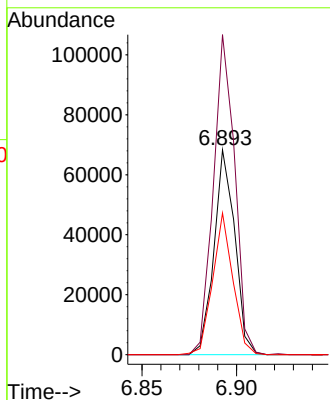
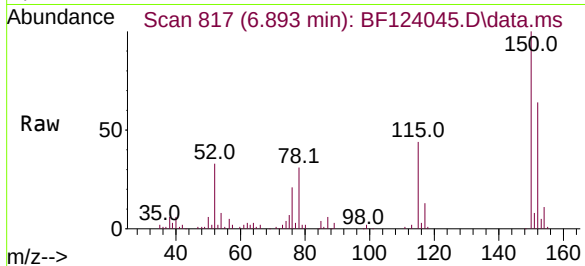




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.893 min Scan# 817
Delta R.T. -0.011 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

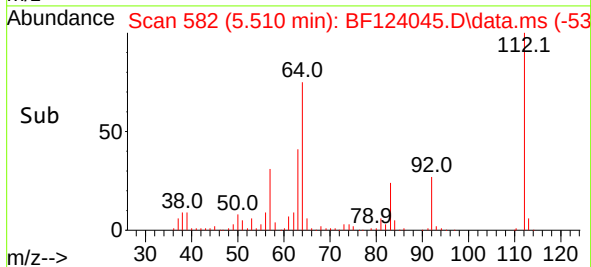
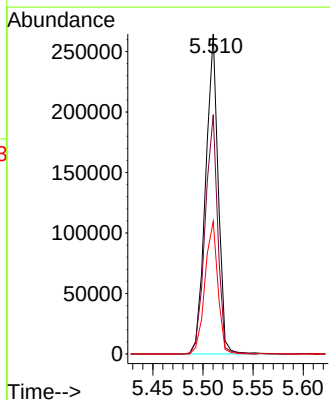
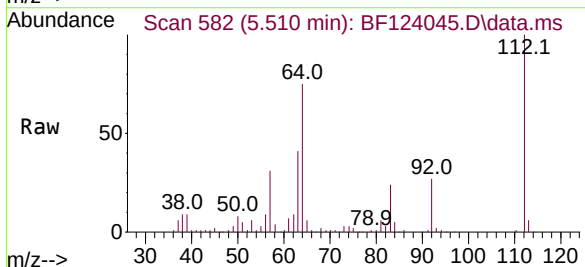
Instrument :
BNA_F
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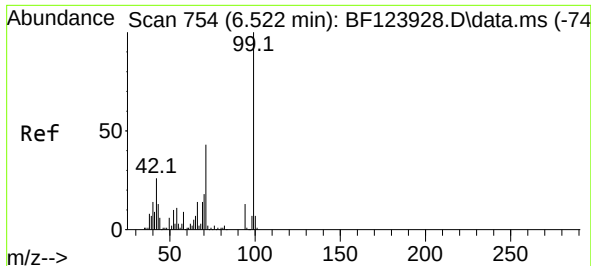
Tgt Ion:152 Resp: 52268
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.6
115 69.1 54.3 81.5



#5
2-Fluorophenol
Concen: 62.01 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:112 Resp: 230858
Ion Ratio Lower Upper
112 100
64 74.8 61.4 92.0
63 41.5 33.0 49.4

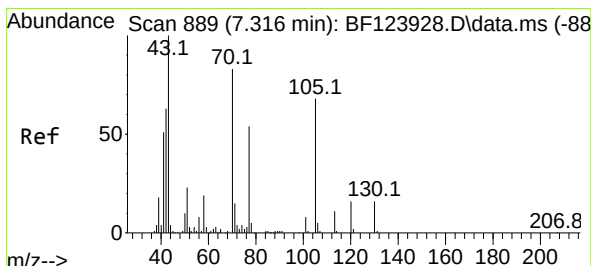
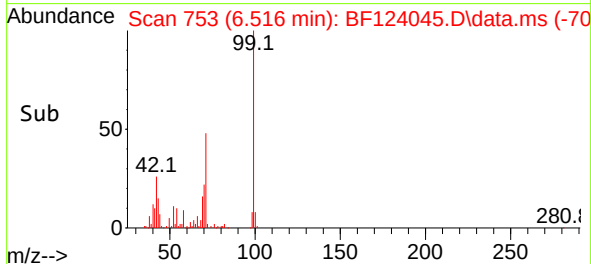
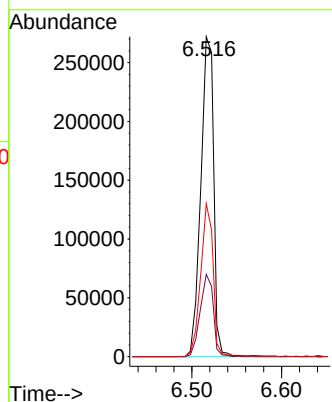
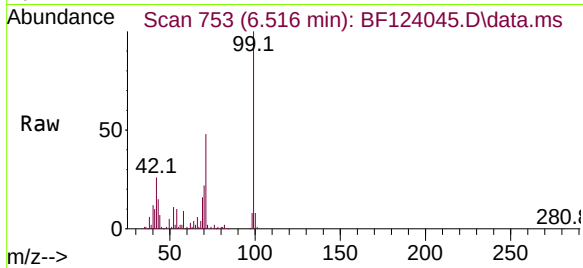




#7
Phenol-d6
Concen: 56.26 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

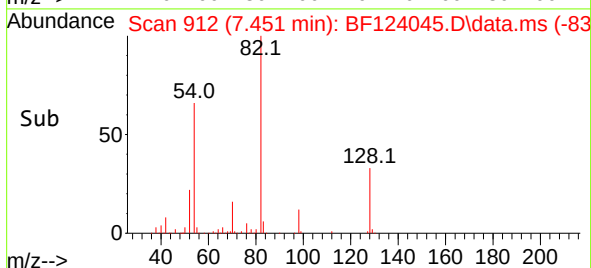
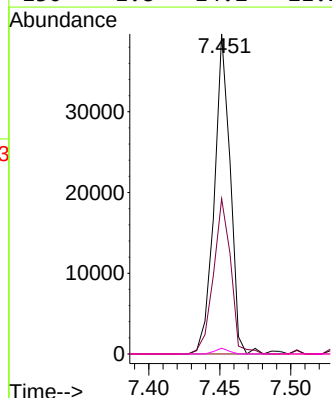
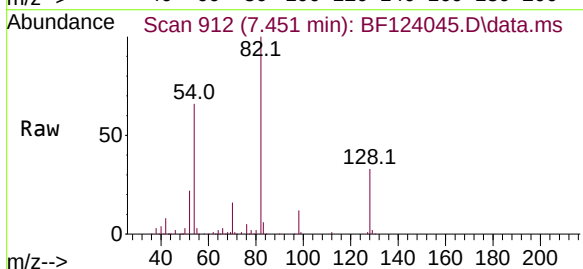
Instrument :
BNA_F
ClientSampleId :
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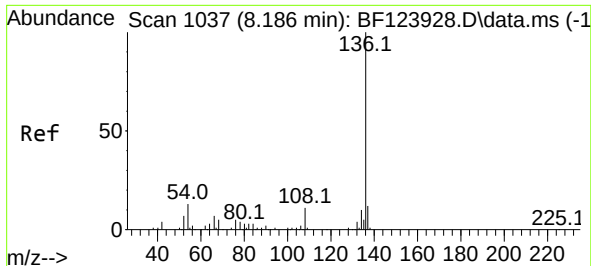
Tgt Ion: 99 Resp: 271678
Ion Ratio Lower Upper
99 100
42 25.7 19.8 29.8
71 47.8 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 9.55 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion: 70 Resp: 31166
Ion Ratio Lower Upper
70 100
42 48.5 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#

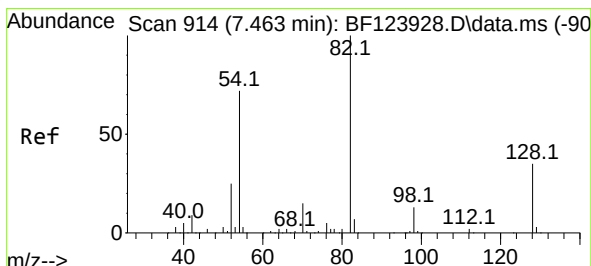
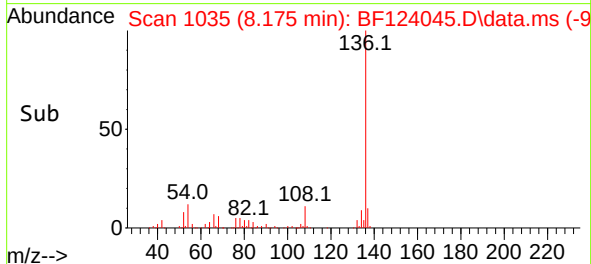
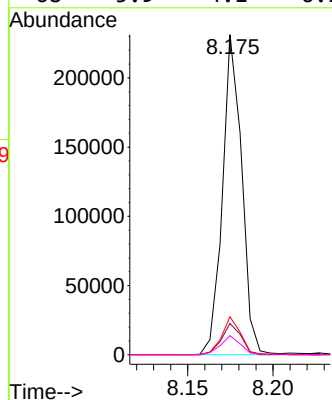
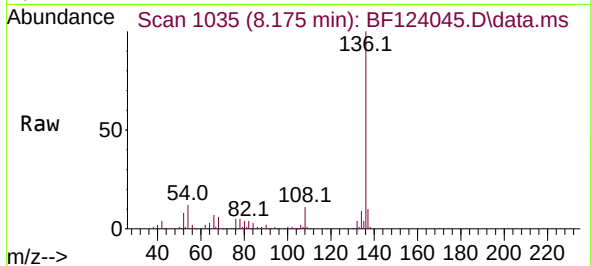




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

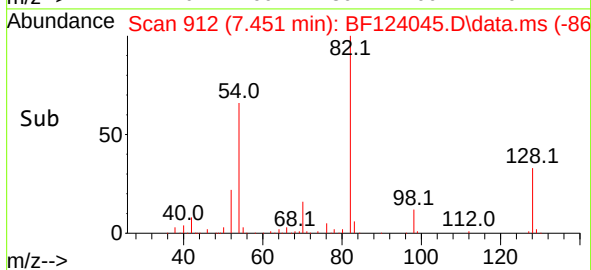
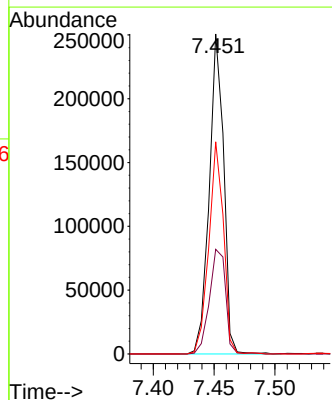
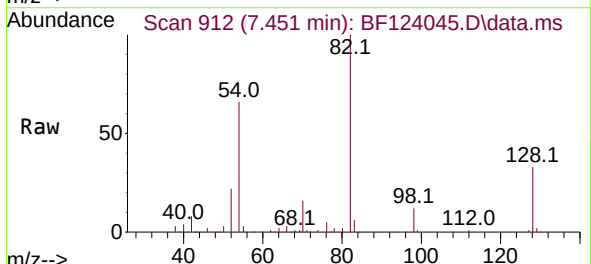
Instrument :
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MIXED-SUBBASE-GROUND-4-10-D

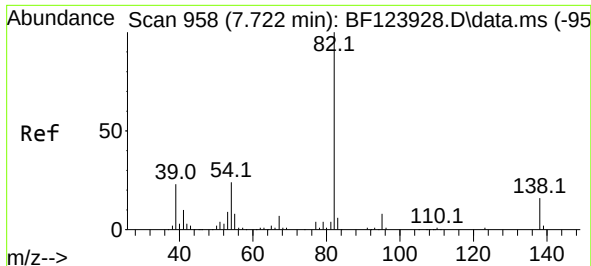
Tgt Ion:136	Resp: 181351
Ion Ratio	Lower Upper
136 100	
137 9.8	8.7 13.1
54 11.9	9.8 14.6
68 5.9	4.1 6.1



#23
Nitrobenzene-d5
Concen: 49.09 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion: 82	Resp: 206628
Ion Ratio	Lower Upper
82 100	
128 32.7	29.4 44.2
54 66.3	54.1 81.1

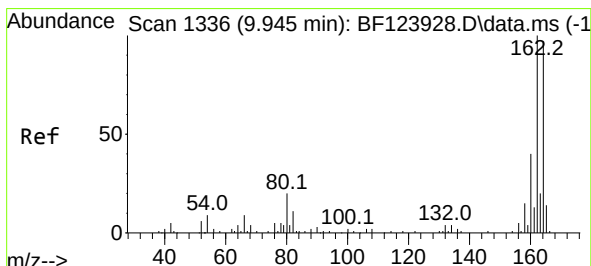
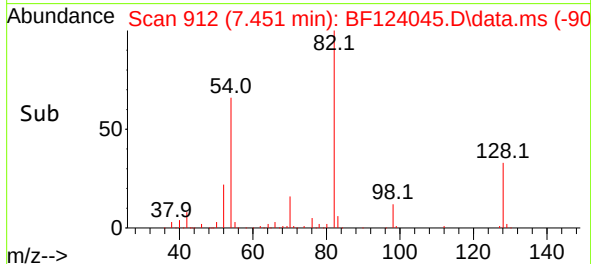
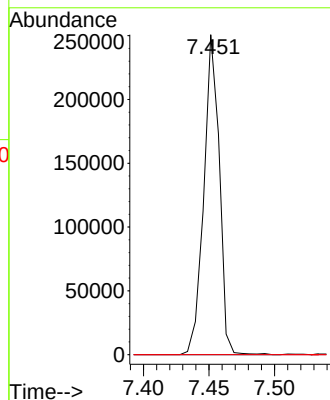
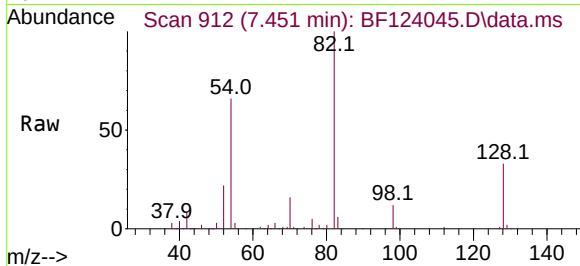




#25
Isophorone
Concen: 25.52 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.270 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

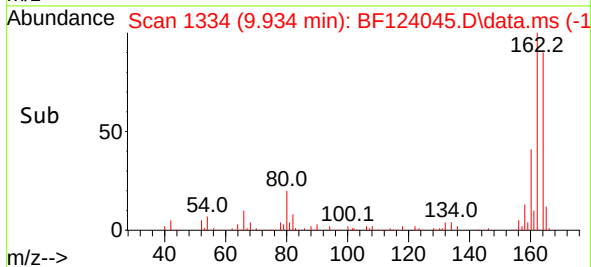
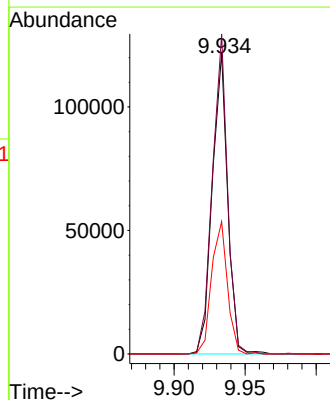
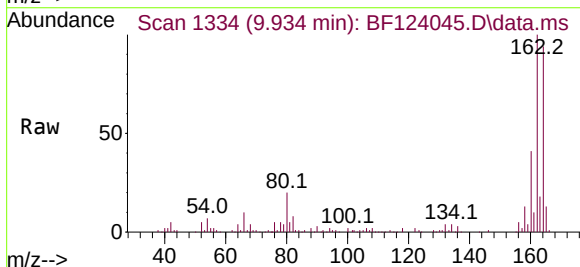
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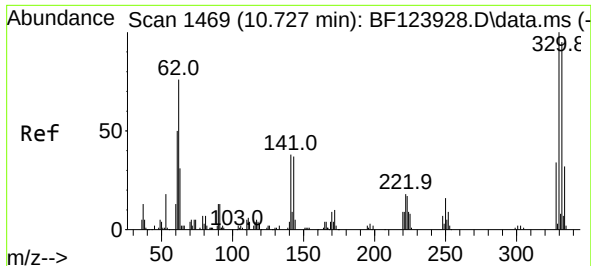
Tgt Ion: 82 Resp: 206624
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.934 min Scan# 1334
Delta R.T. -0.011 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion: 164 Resp: 91585
Ion Ratio Lower Upper
164 100
162 106.3 80.7 121.1
160 43.9 37.3 55.9

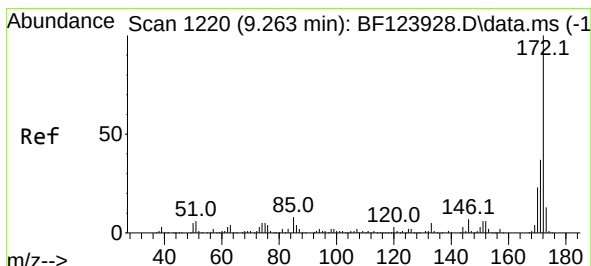
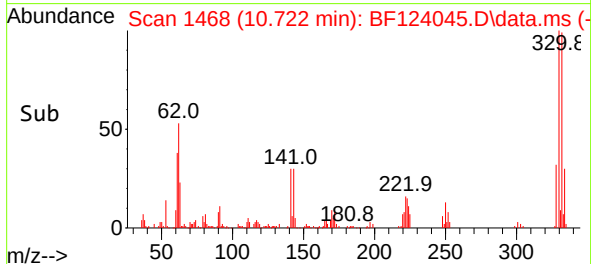
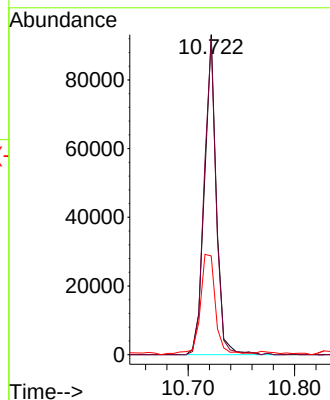
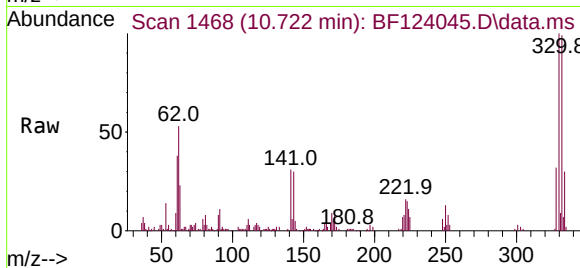




#42
2,4,6-Tribromophenol
Concen: 65.77 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

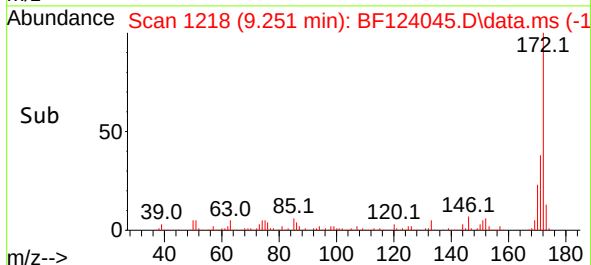
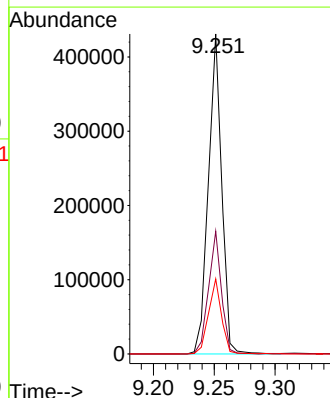
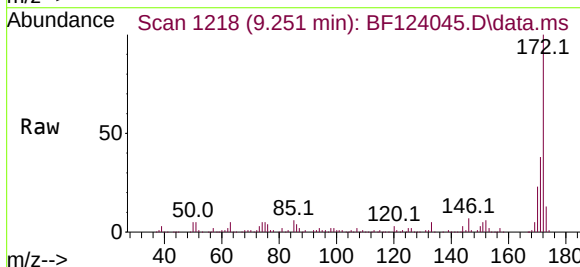
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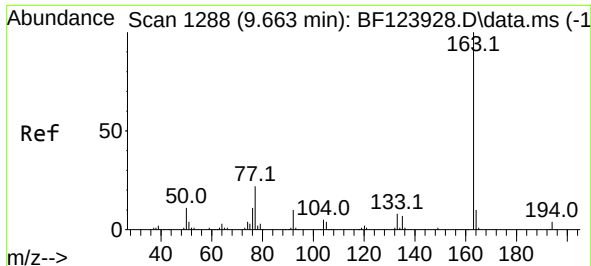
Tgt Ion: 330 Resp: 72352
Ion Ratio Lower Upper
330 100
332 98.9 77.1 115.7
141 40.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 44.14 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion: 172 Resp: 328537
Ion Ratio Lower Upper
172 100
171 38.4 28.1 42.1
170 23.4 19.2 28.8

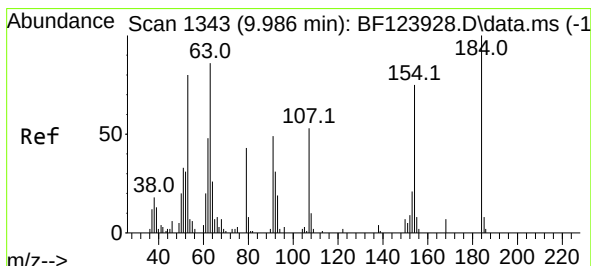
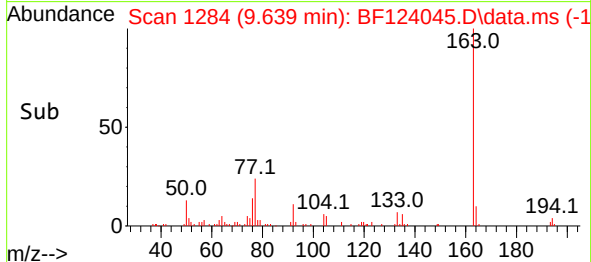
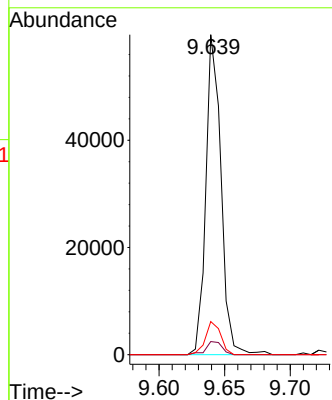
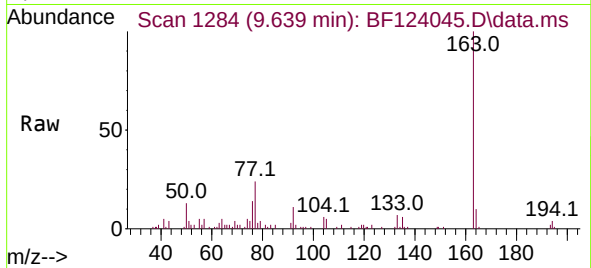




#50
Dimethylphthalate
Concen: 6.59 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

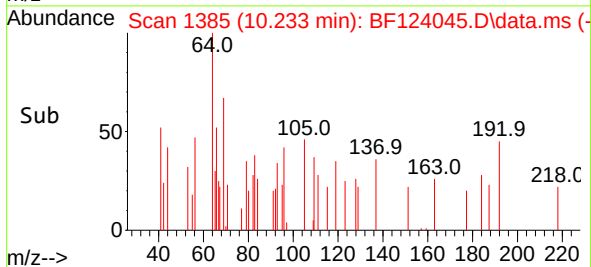
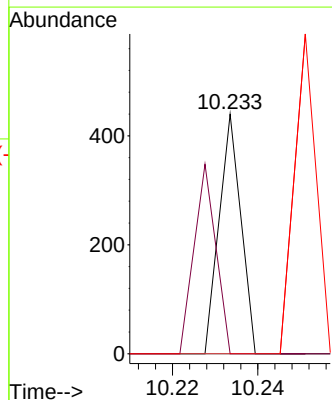
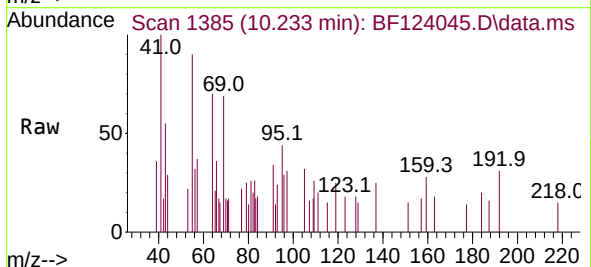
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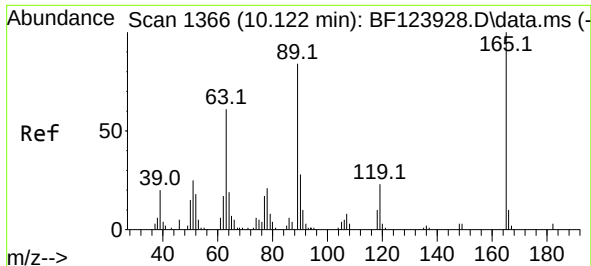
Tgt Ion:163 Resp: 48181
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.3 8.2 12.2



#54
2,4-Dinitrophenol
Concen: 7.46 ng
RT: 10.233 min Scan# 1385
Delta R.T. 0.247 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:184 Resp: 155
Ion Ratio Lower Upper
184 100
63 0.0 73.5 110.3#
154 0.0 52.5 78.7#

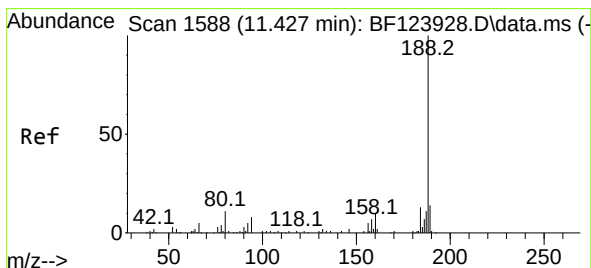
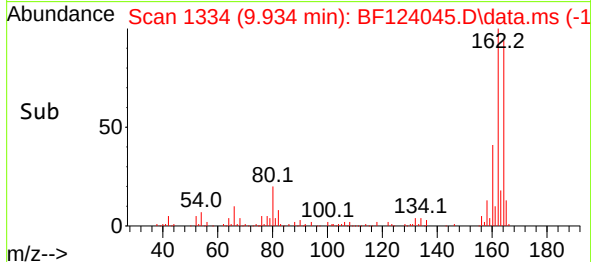
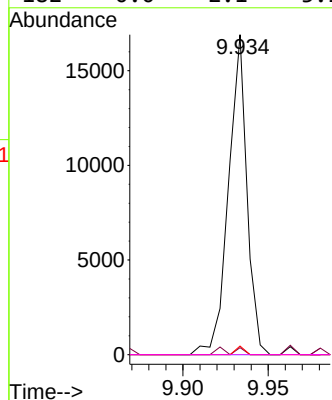
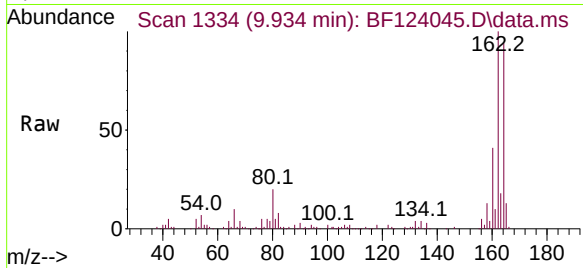




#57
2,4-Dinitrotoluene
Concen: 7.01 ng
RT: 9.934 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

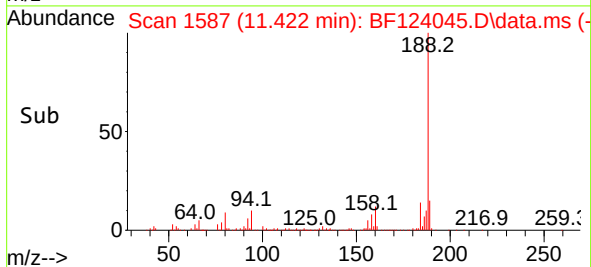
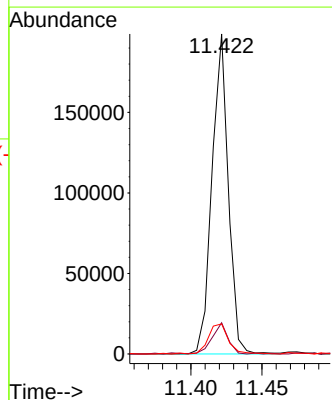
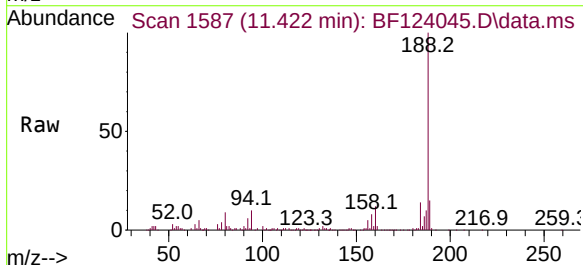
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

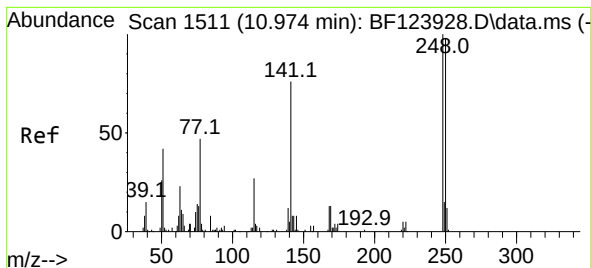
Tgt Ion:165	Resp:	12722
Ion Ratio	Lower	Upper
165	100	
63	2.2	43.5 65.3#
89	2.7	67.7 101.5#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.005 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:188	Resp:	159216
Ion Ratio	Lower	Upper
188	100	
94	9.8	6.9 10.3
80	9.4	8.2 12.2

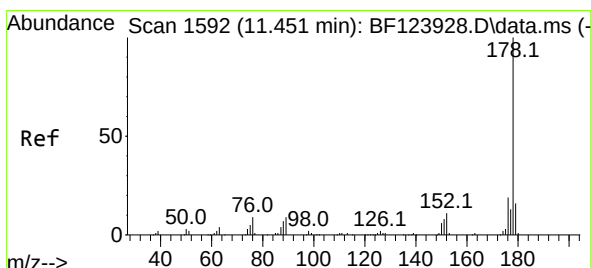
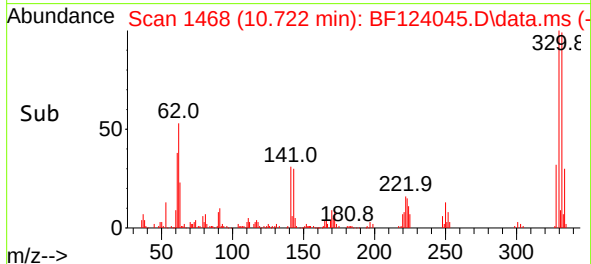
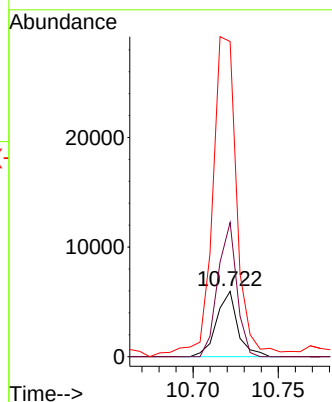
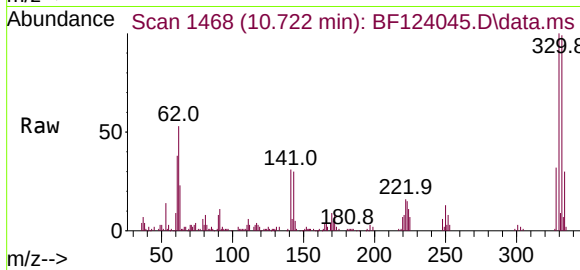




#67
4-Bromophenyl-phenylether
Concen: 2.47 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.253 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

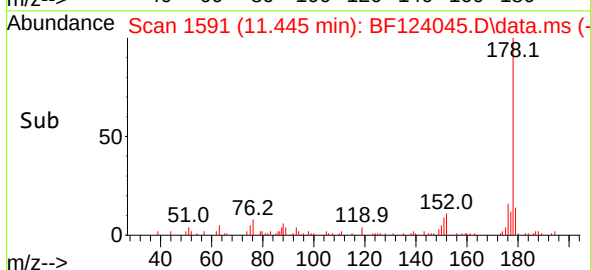
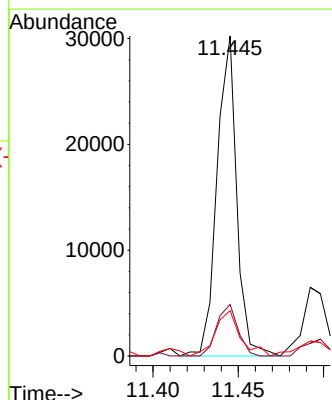
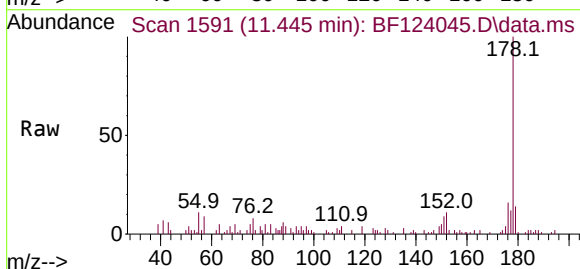
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

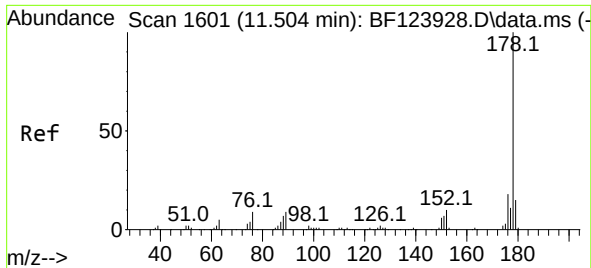
Tgt Ion:248 Resp: 5162
Ion Ratio Lower Upper
248 100
250 205.4 77.4 116.2#
141 482.6 63.7 95.5#



#71
Phenanthrene
Concen: 2.41 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:178 Resp: 24281
Ion Ratio Lower Upper
178 100
176 16.1 15.6 23.4
179 14.2 12.5 18.7

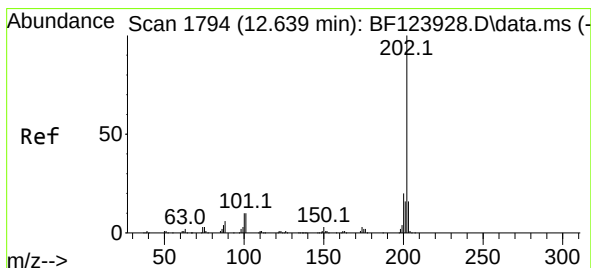
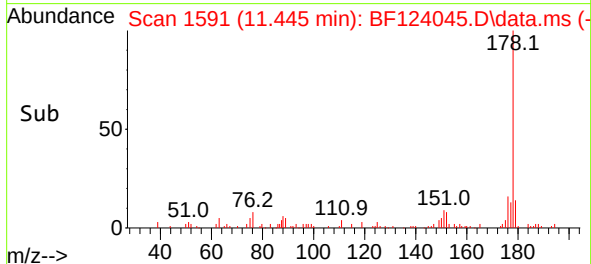
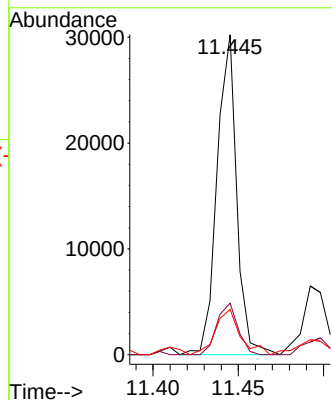
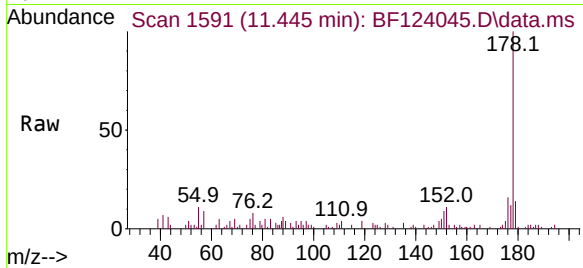




#72
 Anthracene
 Concen: 2.37 ng
 RT: 11.445 min Scan# 1591
 Delta R.T. -0.059 min
 Lab File: BF124045.D
 Acq: 24 May 2021 19:17

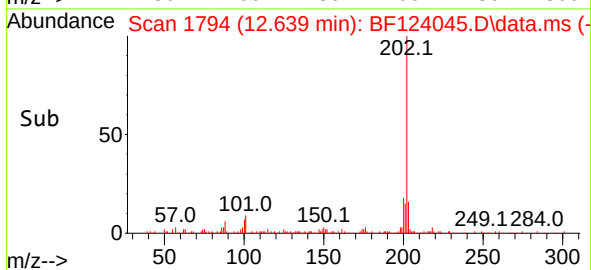
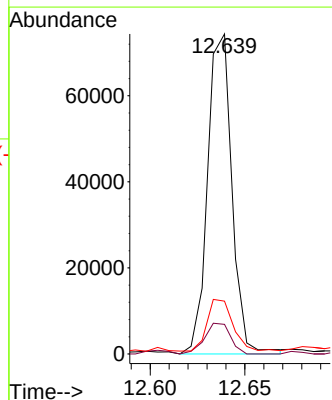
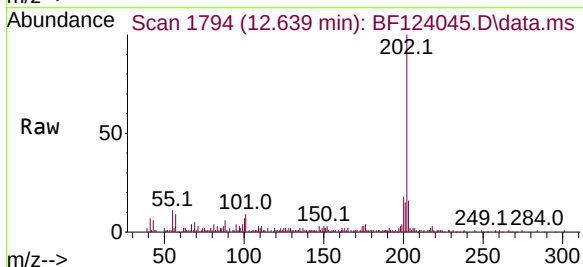
Instrument :
 BNA_F
 ClientSampleId :
 MIXED-SUBBASE-GROUND-4-10-D

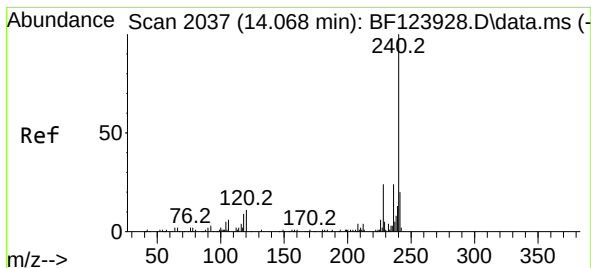
Tgt Ion:178 Resp: 24281
 Ion Ratio Lower Upper
 178 100
 176 16.1 15.4 23.0
 179 14.2 12.6 18.8



#75
 Fluoranthene
 Concen: 6.38 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: BF124045.D
 Acq: 24 May 2021 19:17

Tgt Ion:202 Resp: 66619
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 30.9
 203 16.5 0.0 37.5

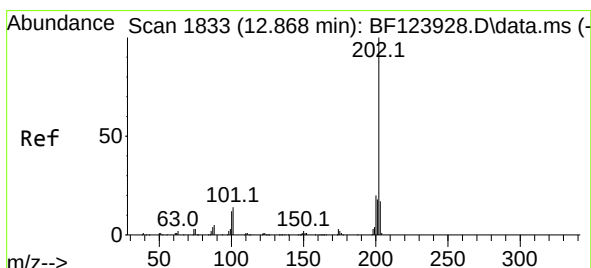
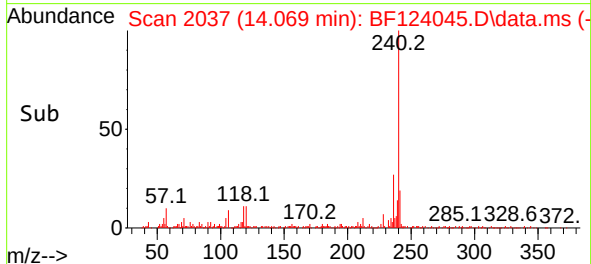
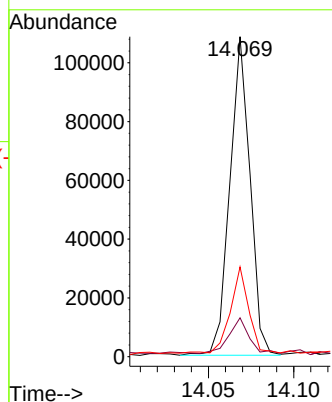
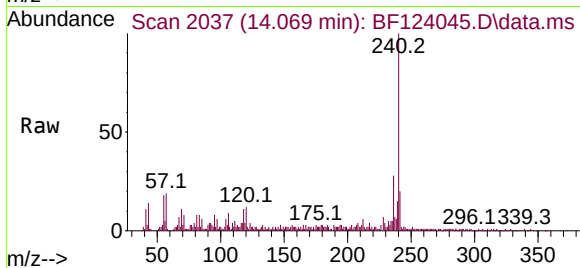




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

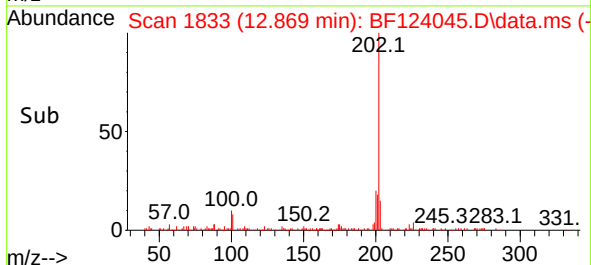
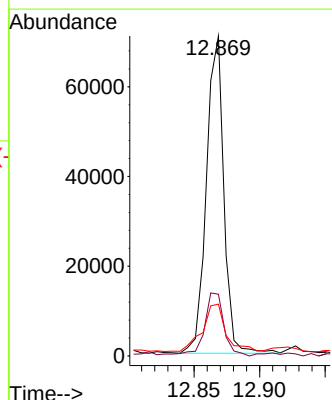
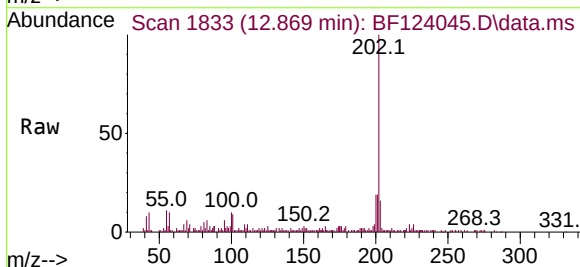
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

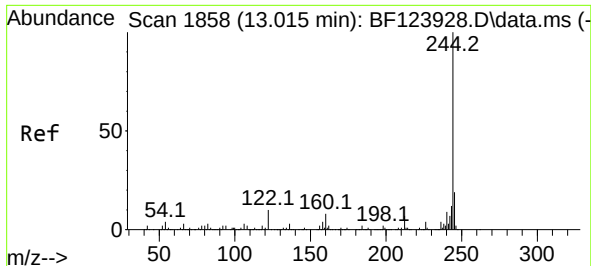
Tgt Ion:240 Resp: 89314
Ion Ratio Lower Upper
240 100
120 12.2 7.2 10.8#
236 28.1 19.0 28.4



#78
Pyrene
Concen: 8.27 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:202 Resp: 65553
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 16.2 14.8 22.2

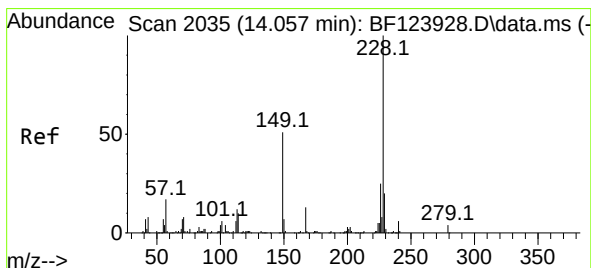
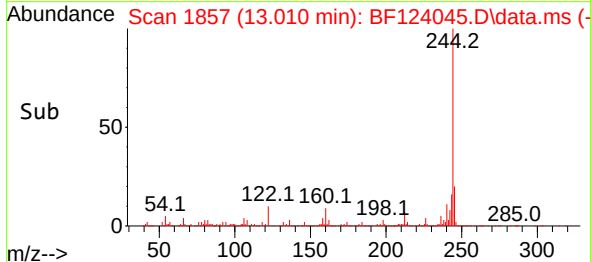
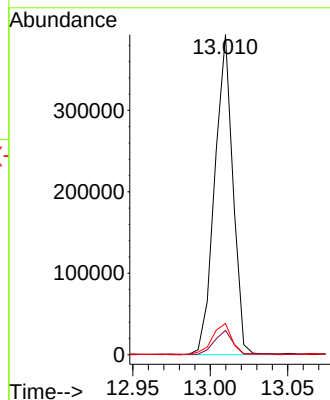
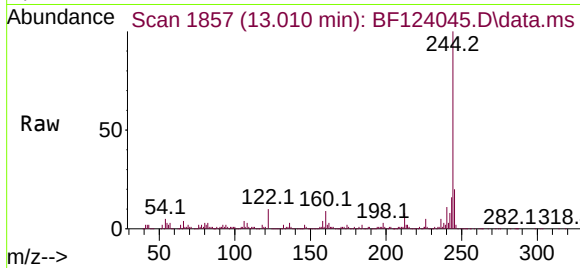




#79
 Terphenyl-d14
 Concen: 54.38 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.006 min
 Lab File: BF124045.D
 Acq: 24 May 2021 19:17

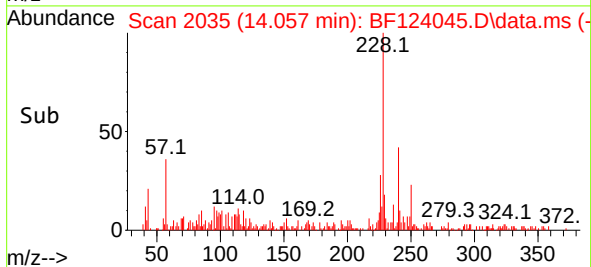
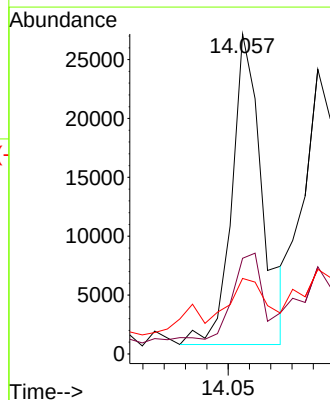
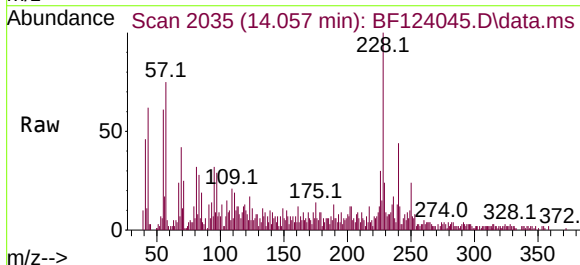
Instrument :
 BNA_F
 ClientSampleId :
 MIXED-SUBBASE-GROUND-4-10-D

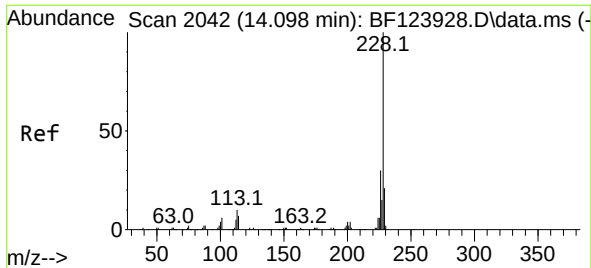
Tgt Ion:244 Resp: 320663
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 9.8 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 4.05 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. 0.000 min
 Lab File: BF124045.D
 Acq: 24 May 2021 19:17

Tgt Ion:228 Resp: 26167
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.4 33.6
 229 23.6 16.0 24.0

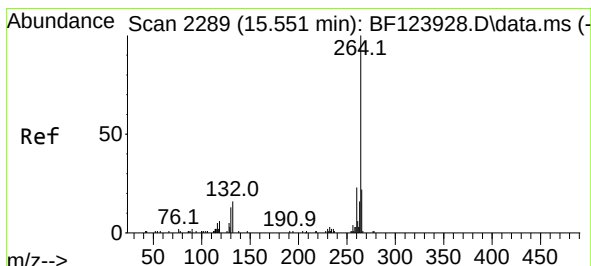
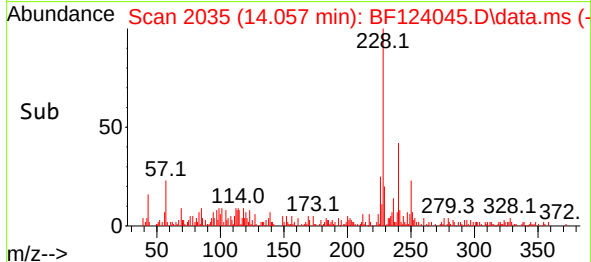
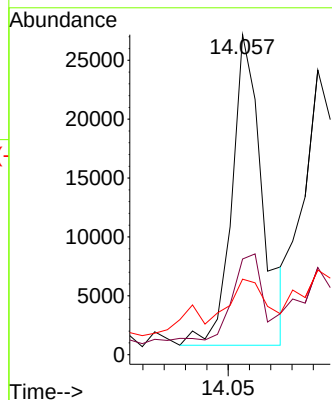
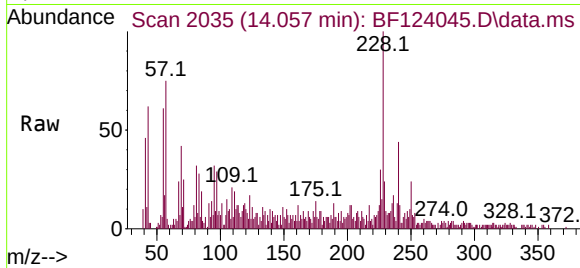




#83
Chrysene
Concen: 4.21 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.041 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

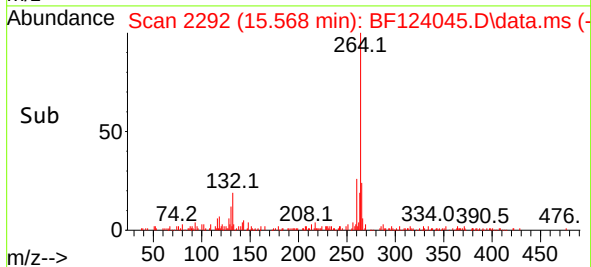
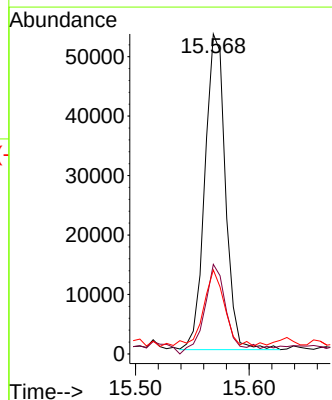
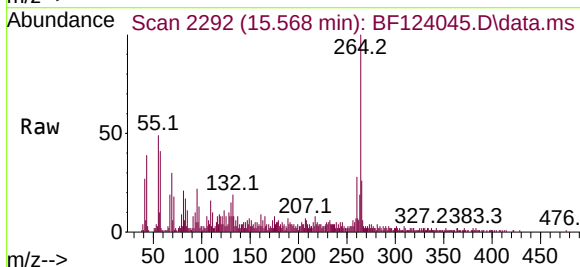
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

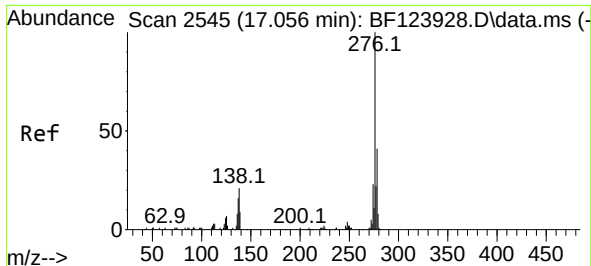
Tgt Ion:	228	Resp:	26167
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.3	36.5
229	23.6	16.2	24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:	264	Resp:	66565
Ion Ratio	Lower	Upper	
264	100		
260	28.0	18.7	28.1
265	26.2	17.8	26.8

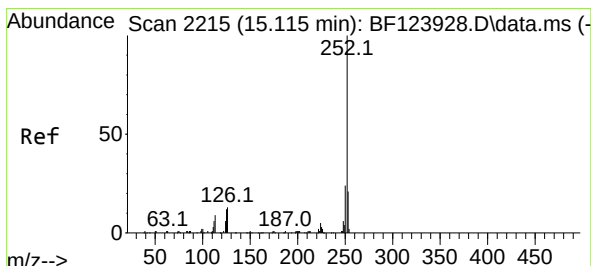
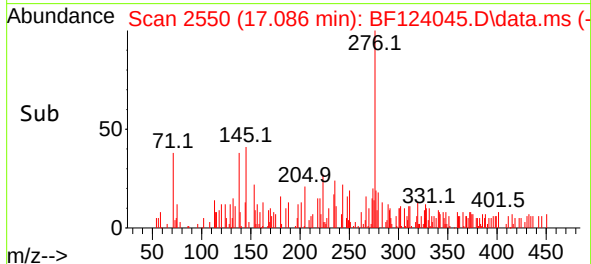
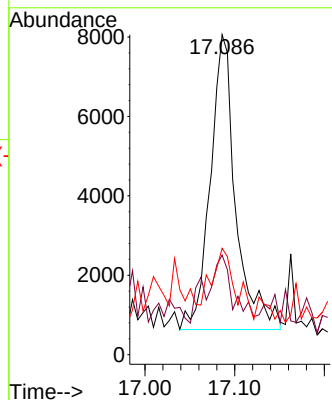
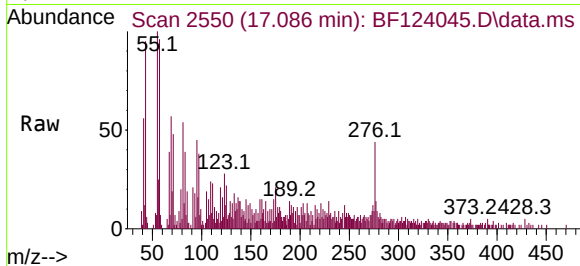




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.85 ng
RT: 17.086 min Scan# 2550
Delta R.T. 0.030 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

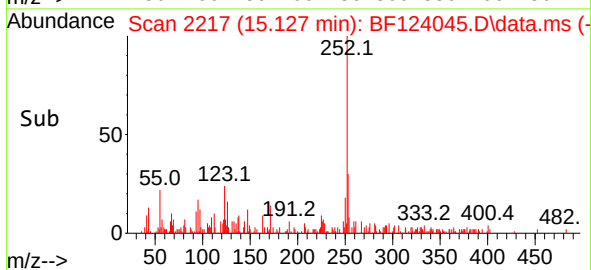
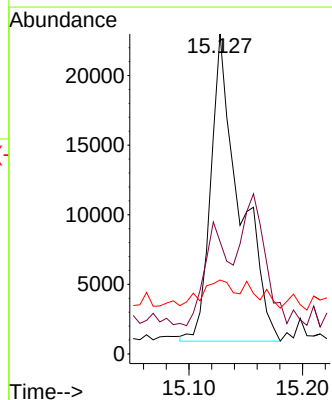
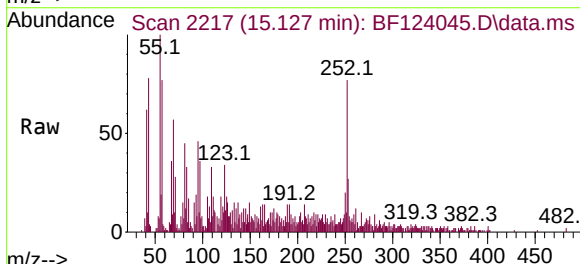
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

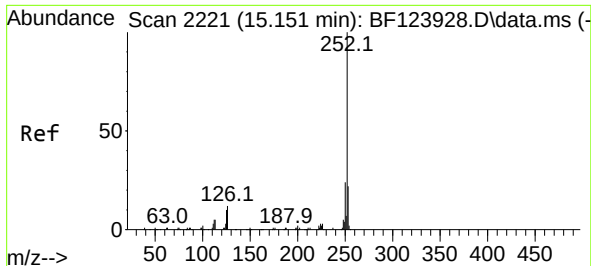
Tgt Ion:	276	Resp:	14670
Ion Ratio	Lower	Upper	
276	100		
138	16.4	16.2	24.2
277	22.2	20.1	30.1



#88
Benzo(b)fluoranthene
Concen: 7.56 ng
RT: 15.127 min Scan# 2217
Delta R.T. 0.012 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:	252	Resp:	38941
Ion Ratio	Lower	Upper	
252	100		
253	35.1	18.1	27.1#
125	23.1	6.2	9.4#





#89

Benzo(k)fluoranthene

Concen: 8.30 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.023 min

Lab File: BF124045.D

Acq: 24 May 2021 19:17

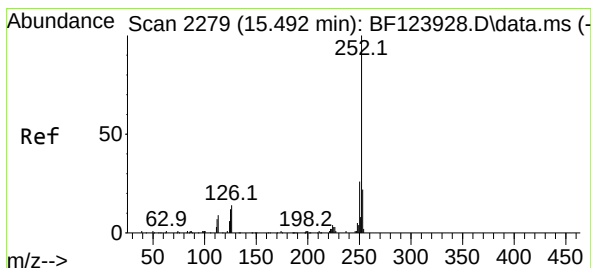
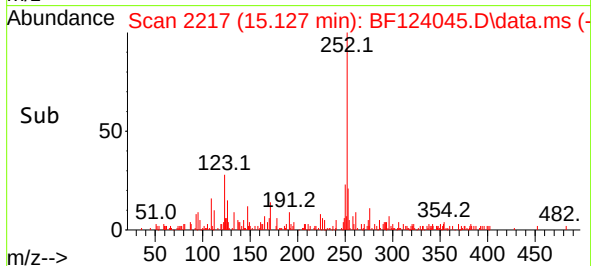
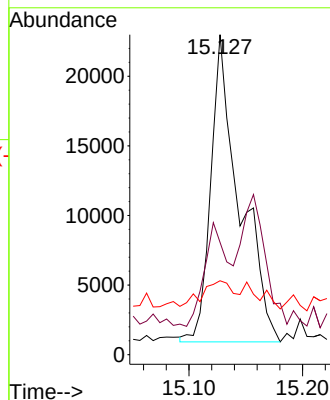
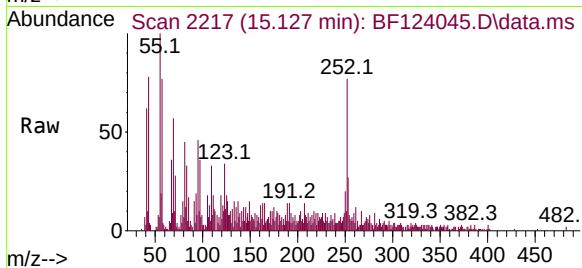
Tgt Ion:	252	Resp:	38941
Ion Ratio	Lower	Upper	
252	100		
253	35.1	17.9	26.9#
125	23.1	7.0	10.6#

Instrument :

BNA_F

ClientSampleId :

MIXED-SUBBASE-GROUND-4-10-D



#90

Benzo(a)pyrene

Concen: 4.61 ng

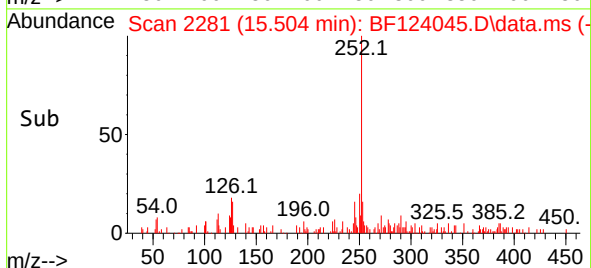
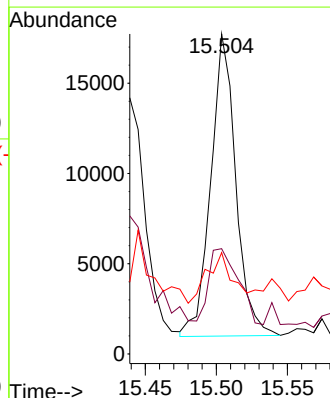
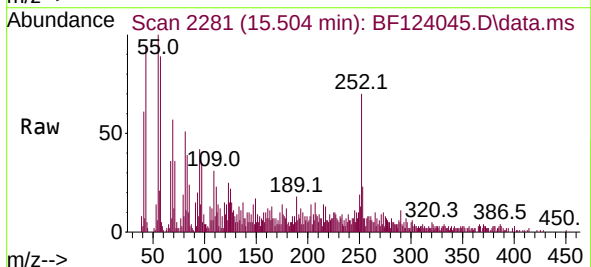
RT: 15.504 min Scan# 2281

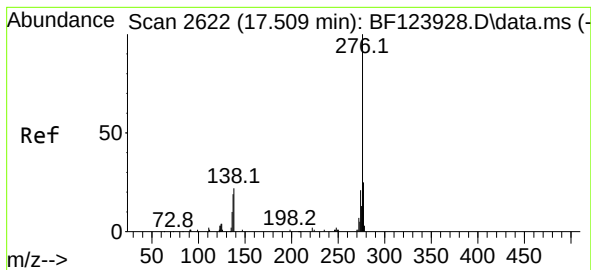
Delta R.T. 0.012 min

Lab File: BF124045.D

Acq: 24 May 2021 19:17

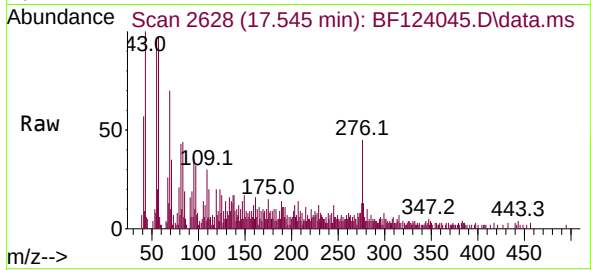
Tgt Ion:	252	Resp:	20523
Ion Ratio	Lower	Upper	
252	100		
253	32.9	18.4	27.6#
125	31.7	8.0	12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 3.83 ng
 RT: 17.545 min Scan# 2628
 Delta R.T. 0.035 min
 Lab File: BF124045.D
 Acq: 24 May 2021 19:17

Instrument :
 BNA_F
ClientSampleId :
 MIXED-SUBBASE-GROUND-4-10-D



Tgt Ion:	276	Resp:	16611
Ion Ratio	Lower	Upper	
276	100		
277	27.8	18.2	27.2#
138	38.3	13.8	20.6#

