

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
 Data File : BF140627.D
 Acq On : 26 Nov 2024 01:58
 Operator : RC/JU
 Sample : P4954-03 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-112124

Quant Time: Nov 26 02:52:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

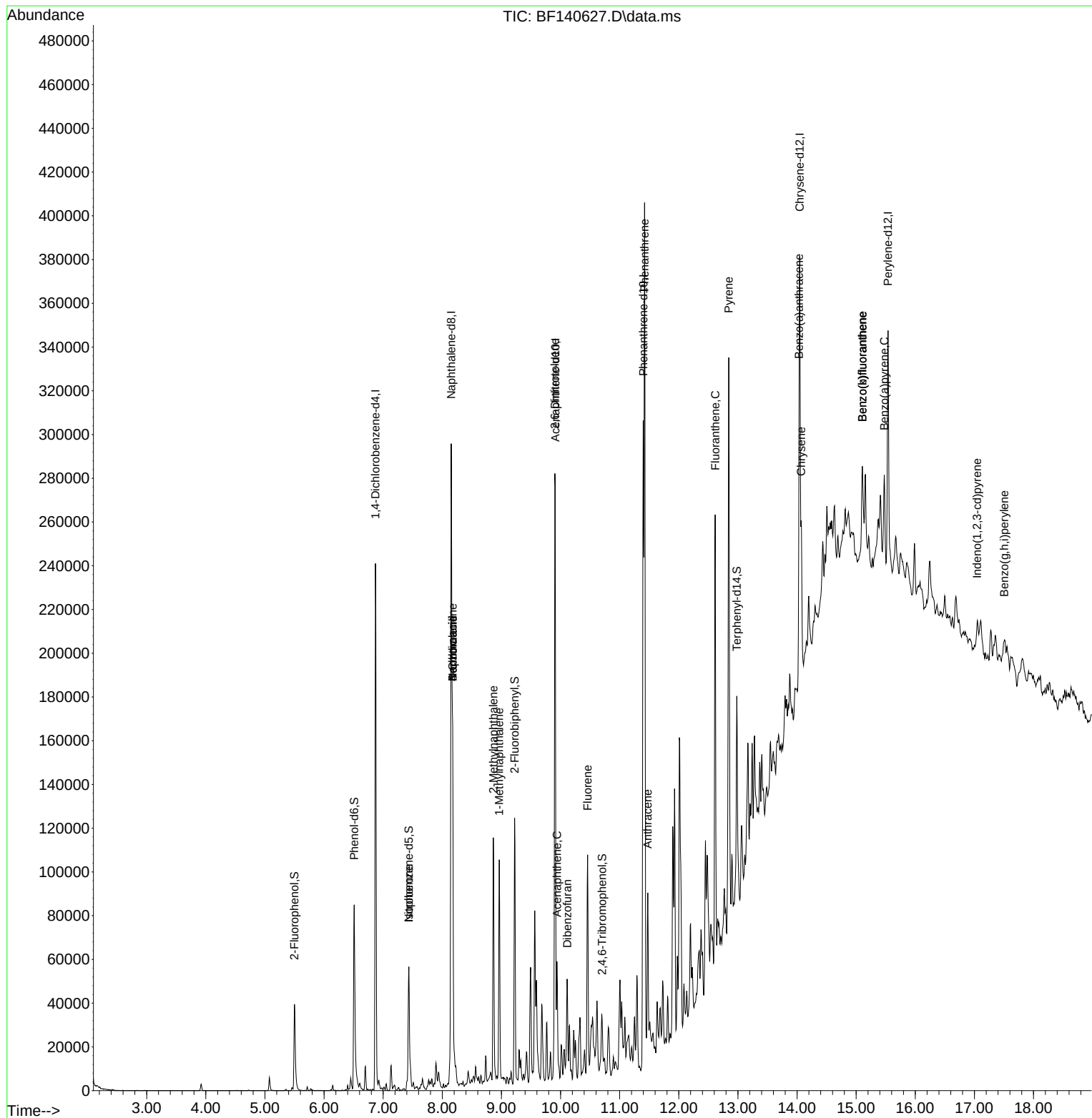
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	53634	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	186192	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	86043	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	153928	20.000	ng	0.00
76) Chrysene-d12	14.045	240	72275	20.000	ng	0.00
86) Perylene-d12	15.539	264	66814	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	20304	6.459	ng	0.00
7) Phenol-d6	6.510	99	50861	12.239	ng	0.00
23) Nitrobenzene-d5	7.434	82	28996	7.966	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	2369	2.574	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	56675	9.814	ng	-0.01
79) Terphenyl-d14	12.980	244	43057	9.276	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.434	82	28995	4.776	ng	# 66
31) Naphthalene	8.175	128	92644	9.660	ng	99
32) Benzoic acid	8.175	122	286	7.332	ng	# 1
33) 4-Chloroaniline	8.175	127	11614	4.045	ng	# 38
37) 2-Methylnaphthalene	8.863	142	44948	7.379	ng	99
38) 1-Methylnaphthalene	8.963	142	37969	6.359	ng	100
51) 2,6-Dinitrotoluene	9.904	165	12780	9.944	ng	# 20
52) Acenaphthene	9.939	154	13639	2.919	ng	88
55) Dibenzofuran	10.116	168	14944	2.097	ng	# 95
58) Fluorene	10.457	166	36703	6.415	ng	# 98
71) Phenanthrene	11.422	178	202141	27.319	ng	99
72) Anthracene	11.475	178	44419	6.137	ng	99
75) Fluoranthene	12.616	202	113944	14.183	ng	99
78) Pyrene	12.845	202	137970	20.646	ng	99
81) Benzo(a)anthracene	14.033	228	41459	8.666	ng	# 93
83) Chrysene	14.069	228	38736	8.855	ng	# 91
87) Indeno(1,2,3-cd)pyrene	17.045	276	10309	2.368	ng	96
88) Benzo(b)fluoranthene	15.104	252	35710	8.509	ng	# 84
89) Benzo(k)fluoranthene	15.104	252	35710	9.724	ng	# 85
90) Benzo(a)pyrene	15.474	252	25778	7.555	ng	# 87
92) Benzo(g,h,i)perylene	17.504	276	10760	2.957	ng	# 85

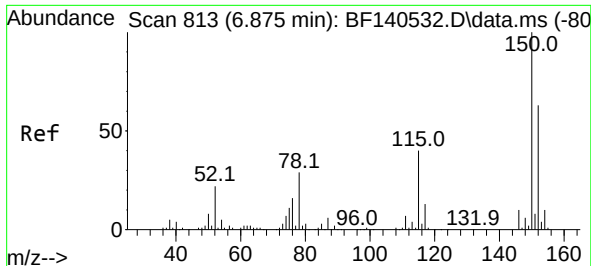
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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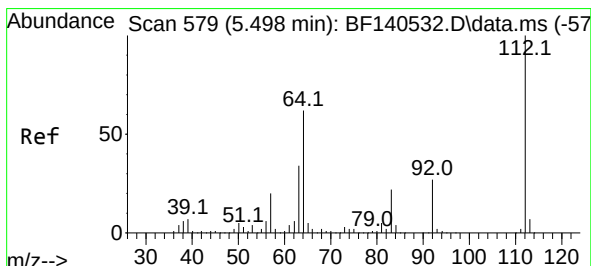
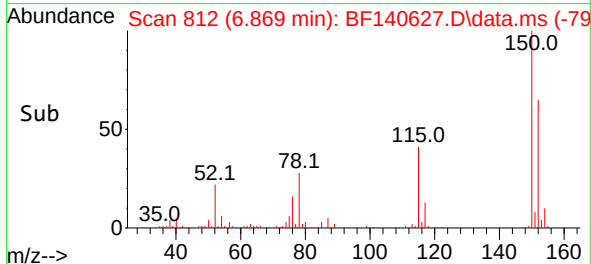
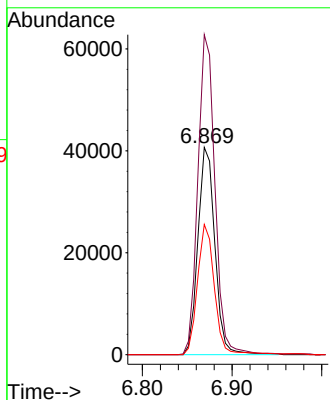
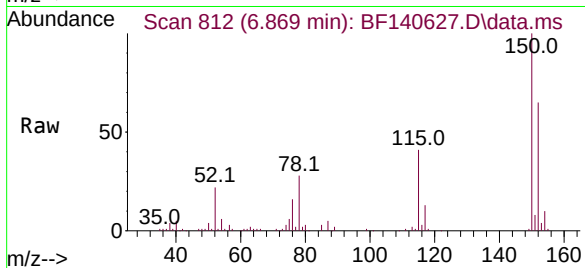




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

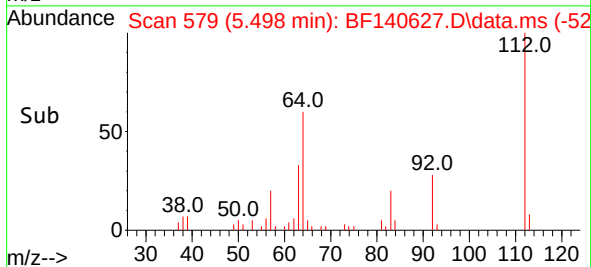
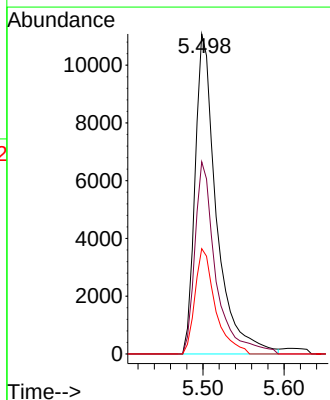
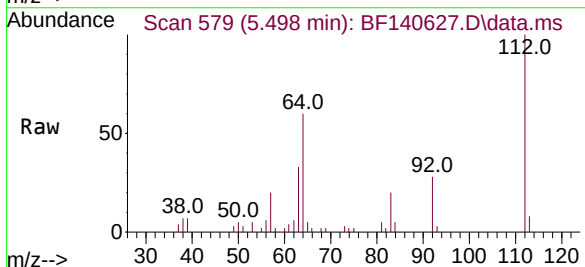
Instrument :
BNA_F
ClientSampleId :
TR-06-112124

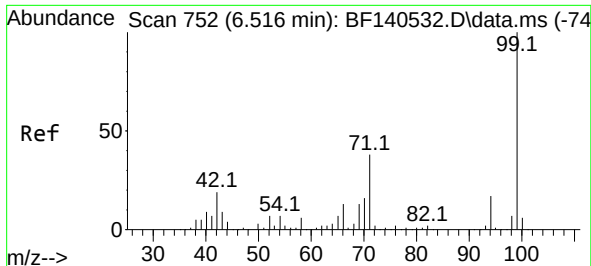
Tgt Ion:152 Resp: 53634
Ion Ratio Lower Upper
152 100
150 154.3 128.5 192.7
115 62.8 50.2 75.4



#5
2-Fluorophenol
Concen: 6.459 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion:112 Resp: 20304
Ion Ratio Lower Upper
112 100
64 60.0 49.2 73.8
63 32.9 27.0 40.4

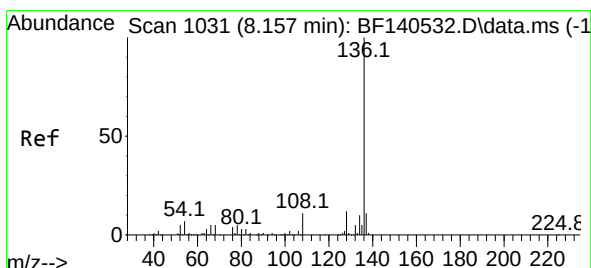
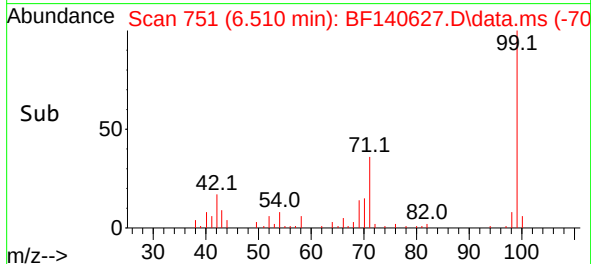
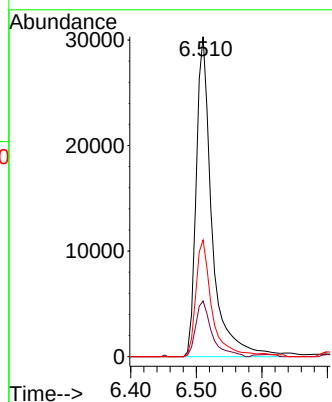
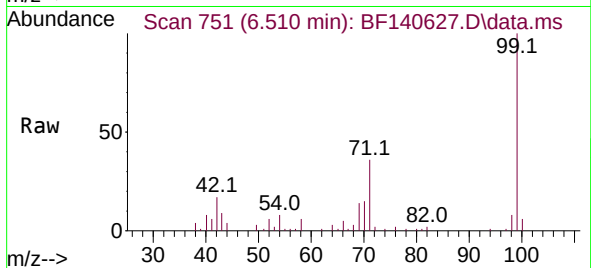




#7
Phenol-d6
Concen: 12.239 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

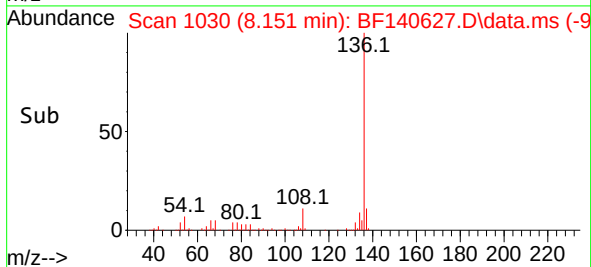
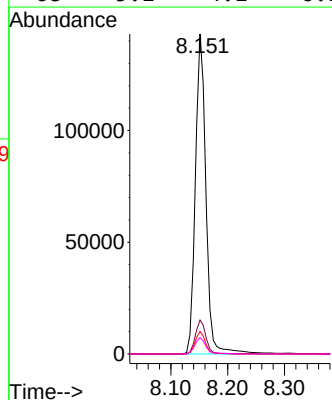
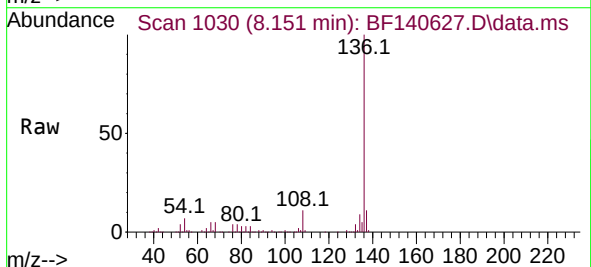
Instrument :
BNA_F
ClientSampleId :
TR-06-112124

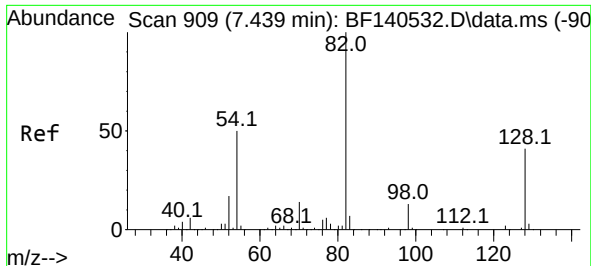
Tgt Ion: 99	Resp: 50861
Ion Ratio	Lower Upper
99 100	
42 17.4	15.4 23.0
71 36.5	30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion: 136	Resp: 186192
Ion Ratio	Lower Upper
136 100	
137 10.6	8.6 13.0
54 7.0	5.8 8.8
68 5.1	4.1 6.1





#23
Nitrobenzene-d5
Concen: 7.966 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

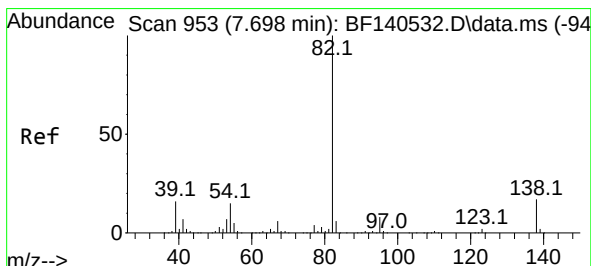
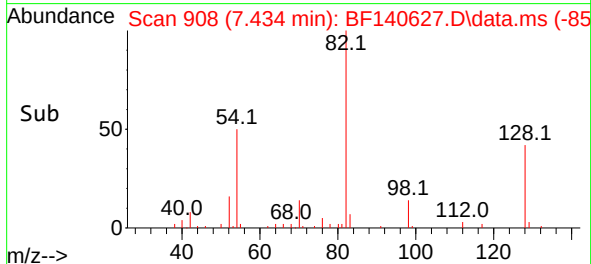
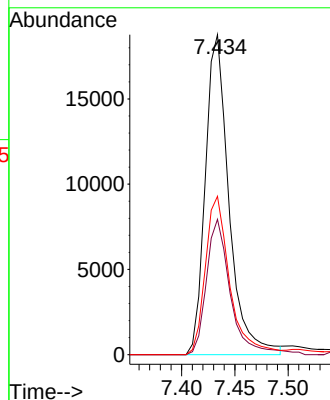
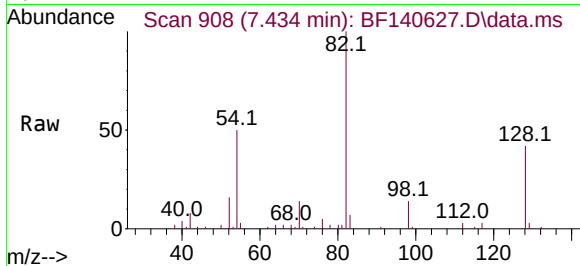
Instrument :

BNA_F

ClientSampleId :

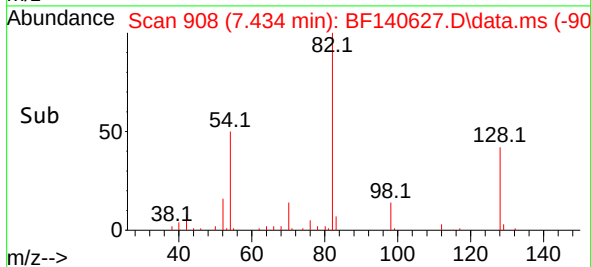
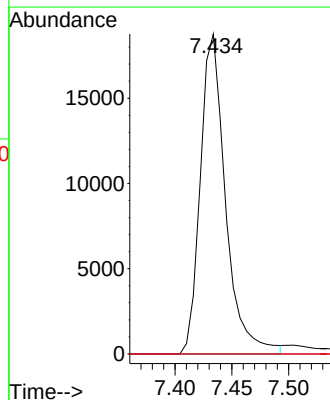
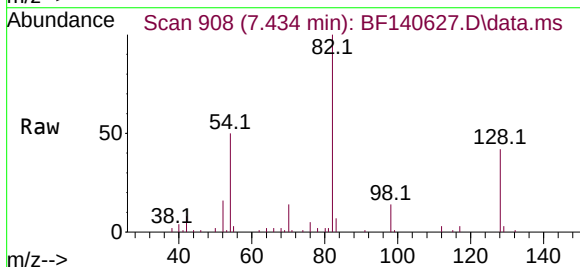
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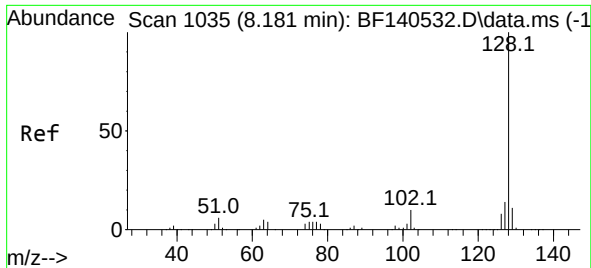
Tgt Ion: 82 Resp: 28996
Ion Ratio Lower Upper
82 100
128 42.3 33.0 49.4
54 49.5 39.5 59.3



#25
Isophorone
Concen: 4.776 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion: 82 Resp: 28995
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#

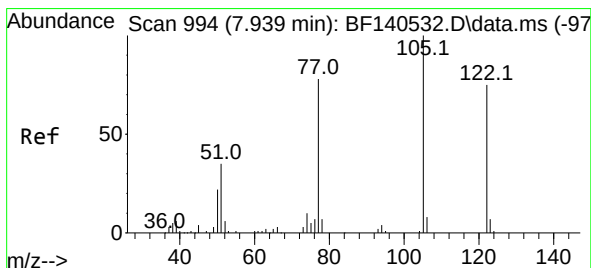
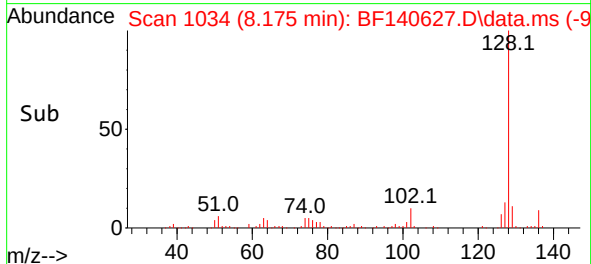
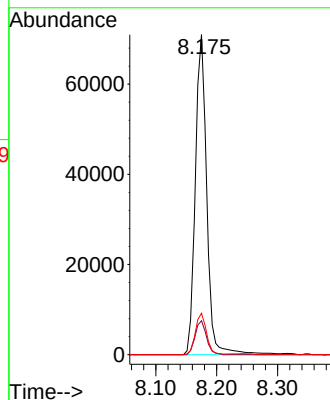
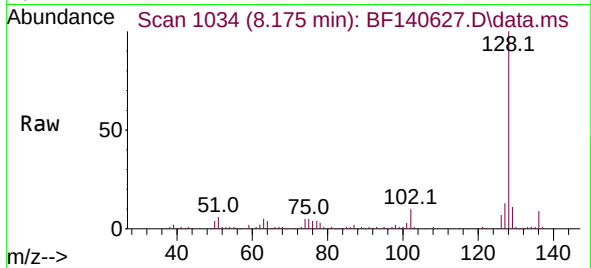




#31
Naphthalene
Concen: 9.660 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

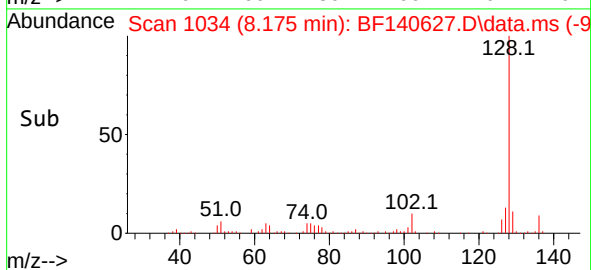
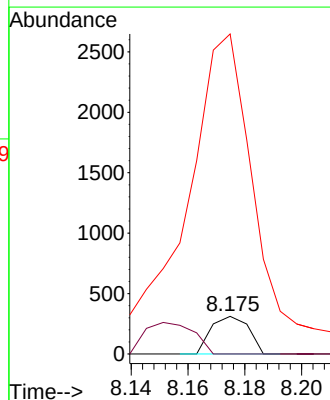
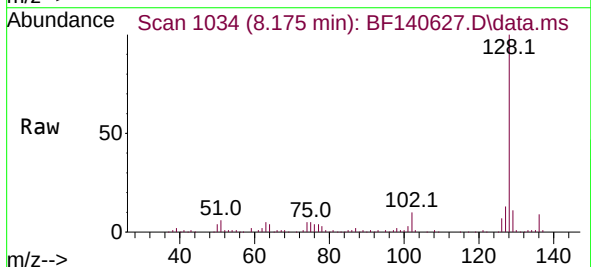
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BNA_F
ClientSampleId :
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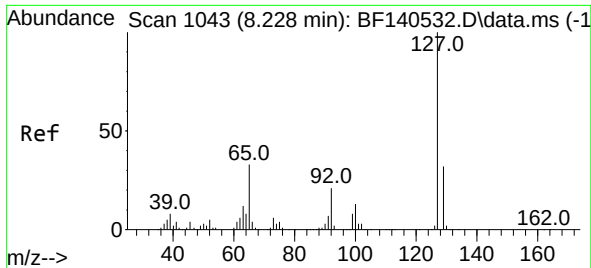
Tgt Ion:128 Resp: 92644
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.0 10.8 16.2



#32
Benzoic acid
Concen: 7.332 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.236 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion:122 Resp: 286
Ion Ratio Lower Upper
122 100
105 0.0 109.3 149.3#
77 848.7 82.3 122.3#

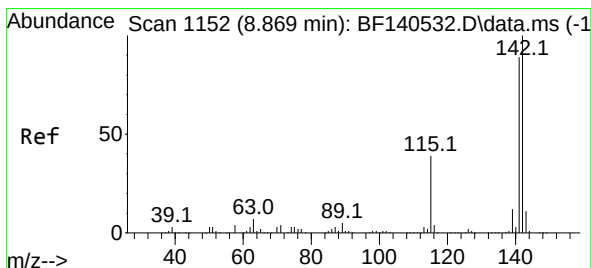
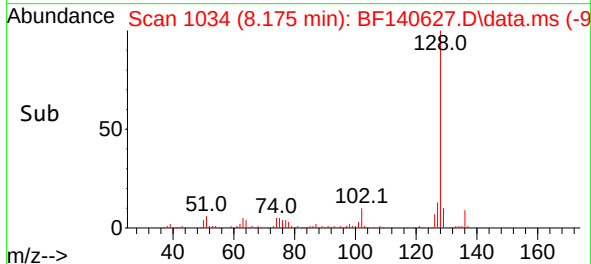
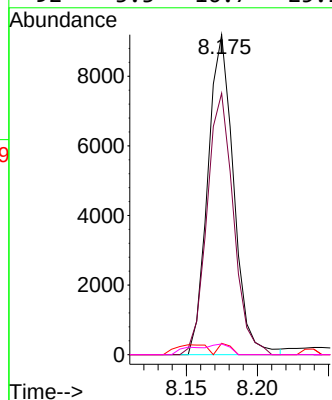
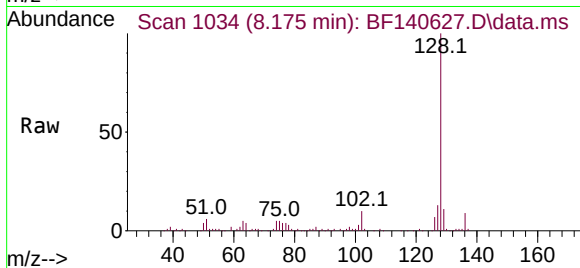




#33
4-Chloroaniline
Concen: 4.045 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.053 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

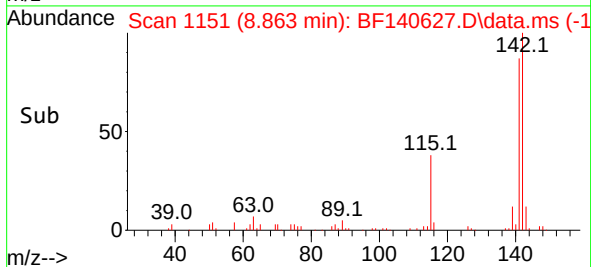
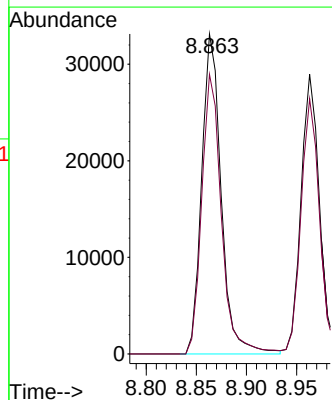
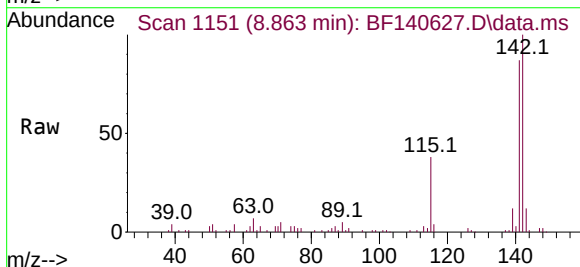
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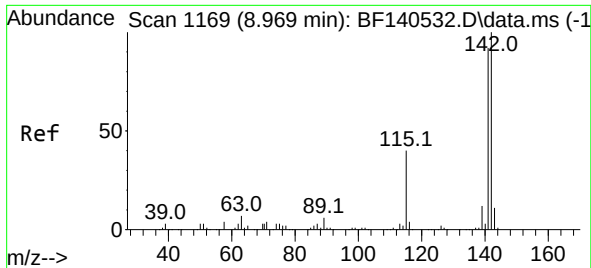
Tgt Ion:	127	Resp:	11614
Ion	Ratio	Lower	Upper
127	100		
129	81.7	26.0	39.0#
65	3.6	26.0	39.0#
92	3.3	16.7	25.1#



#37
2-Methylnaphthalene
Concen: 7.379 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion:	142	Resp:	44948
Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.0	106.6

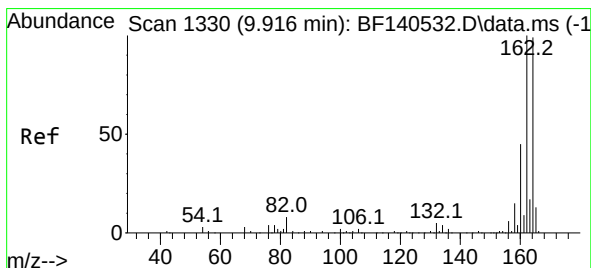
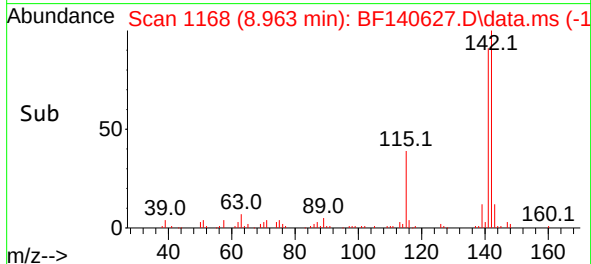
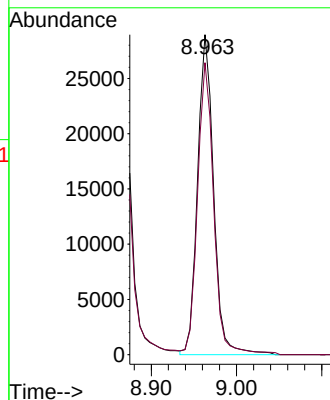
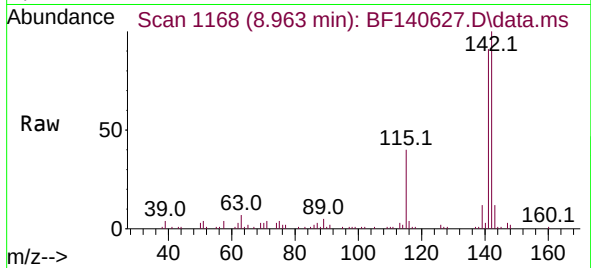




#38
1-Methylnaphthalene
Concen: 6.359 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

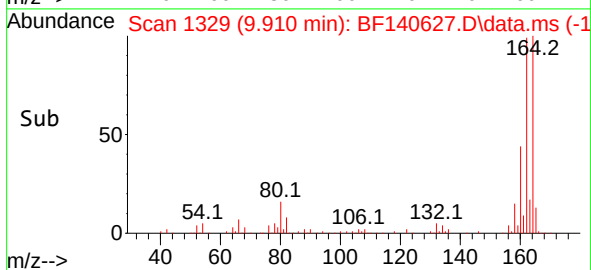
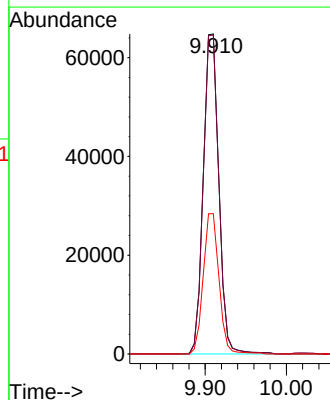
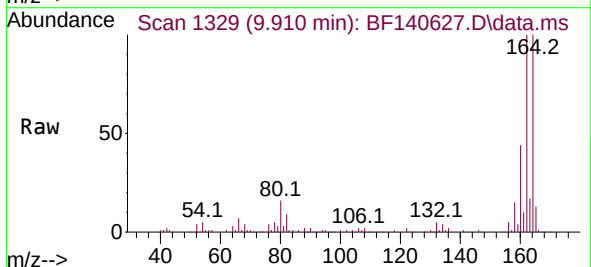
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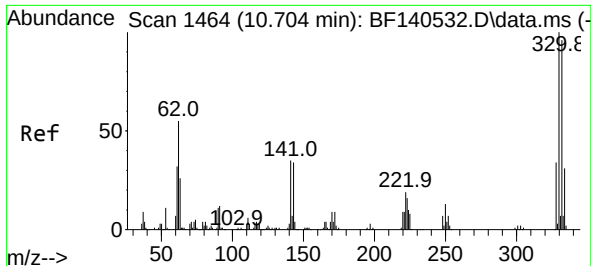
Tgt Ion:142 Resp: 37969
Ion Ratio Lower Upper
142 100
141 91.3 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion:164 Resp: 86043
Ion Ratio Lower Upper
164 100
162 99.7 80.6 120.8
160 43.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 2.574 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140627.D

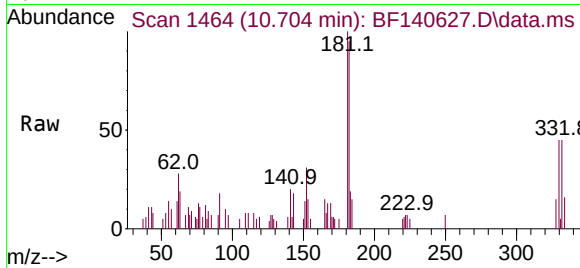
Acq: 26 Nov 2024 01:58

Instrument :

BNA_F

ClientSampleId :

TR-06-112124



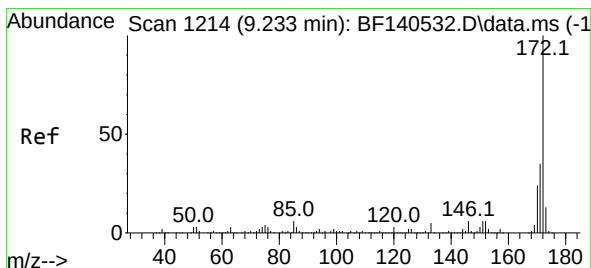
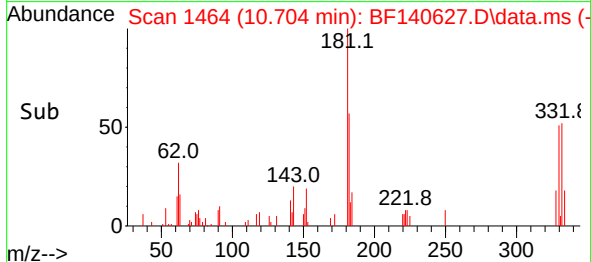
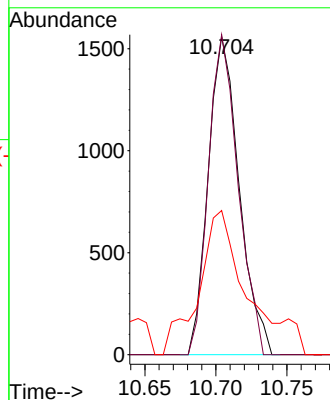
Tgt Ion:330 Resp: 2369

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

141 71.7 26.7 40.1#



#45

2-Fluorobiphenyl

Concen: 9.814 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140627.D

Acq: 26 Nov 2024 01:58

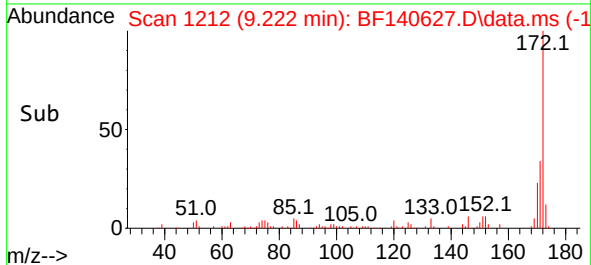
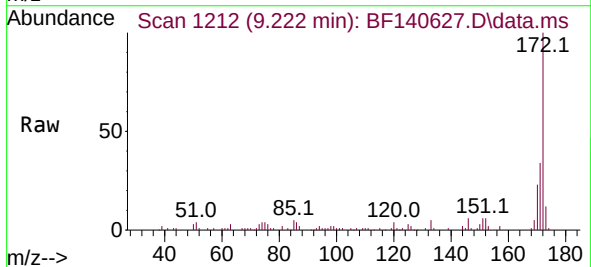
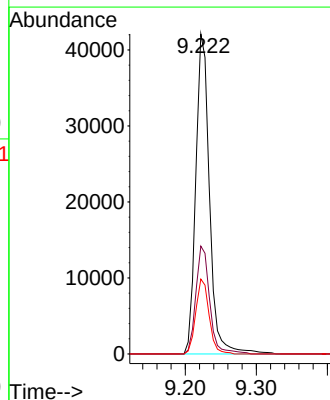
Tgt Ion:172 Resp: 56675

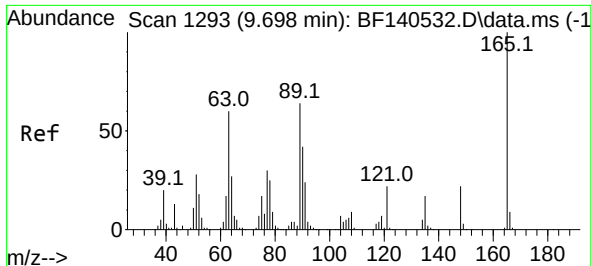
Ion Ratio Lower Upper

172 100

171 33.7 28.4 42.6

170 23.4 19.0 28.6

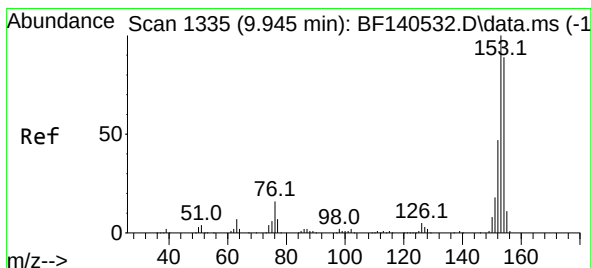
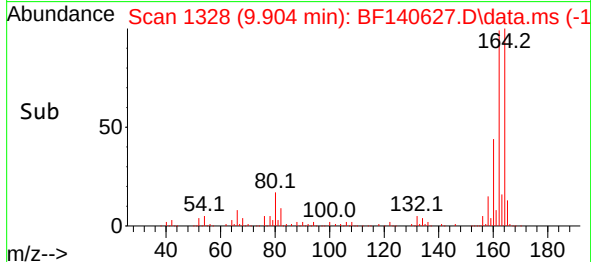
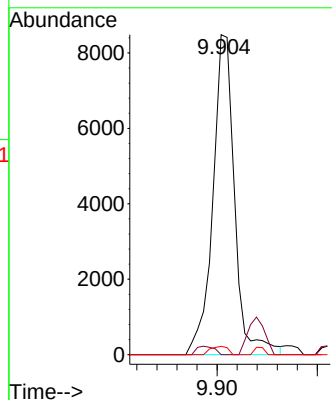
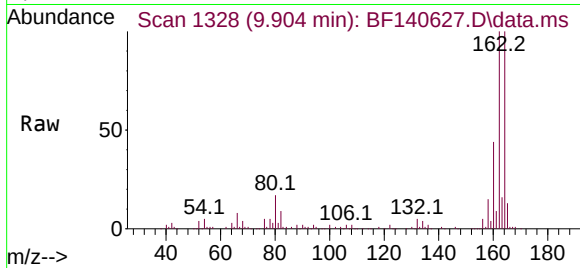




#51
2,6-Dinitrotoluene
Concen: 9.944 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

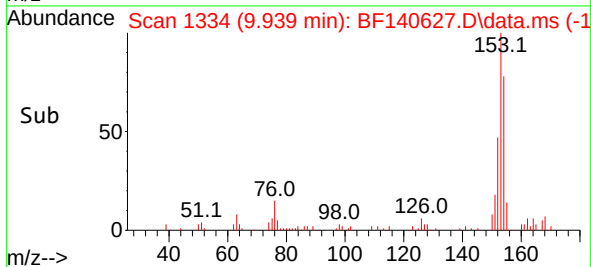
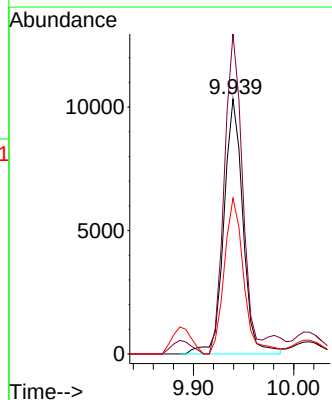
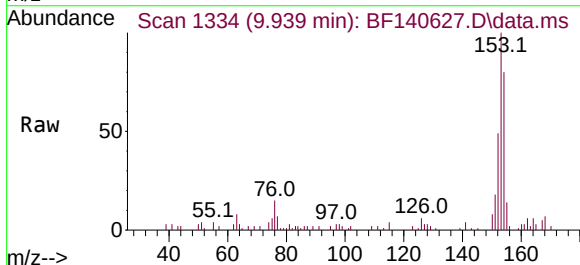
Instrument :
BNA_F
ClientSampleId :
TR-06-112124

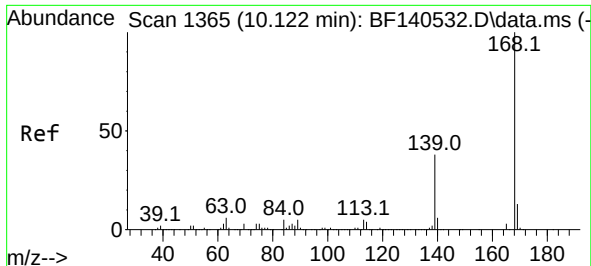
Tgt Ion:165 Resp: 12780
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 2.6 50.9 76.3#



#52
Acenaphthene
Concen: 2.919 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion:154 Resp: 13639
Ion Ratio Lower Upper
154 100
153 125.5 89.7 134.5
152 61.1 42.5 63.7

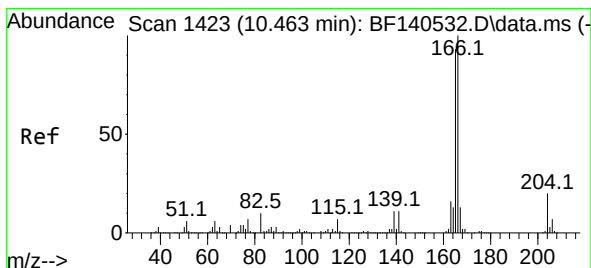
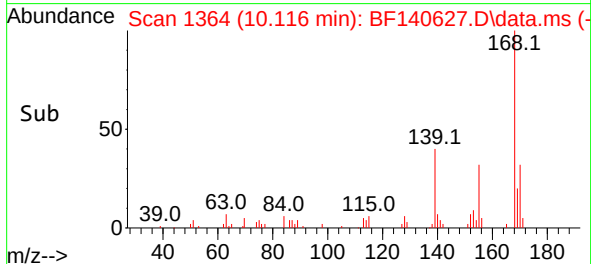
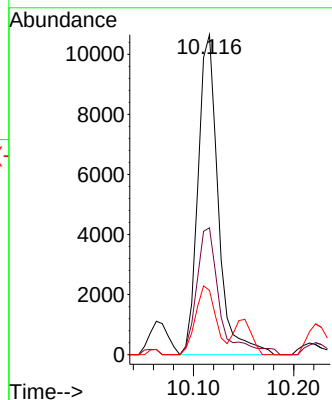
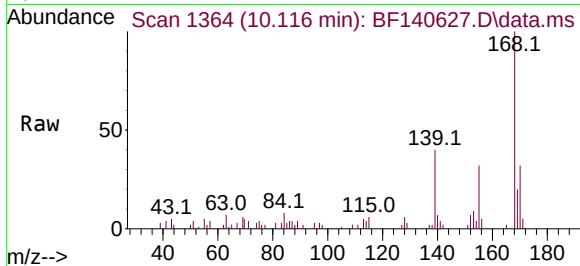




#55
Dibenzenofuran
Concen: 2.097 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

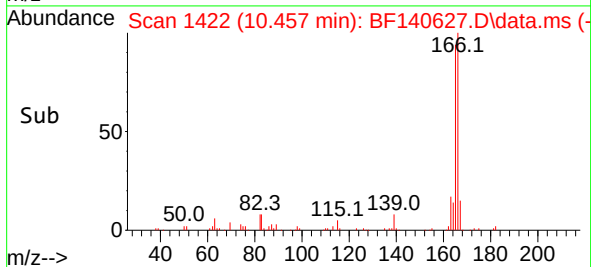
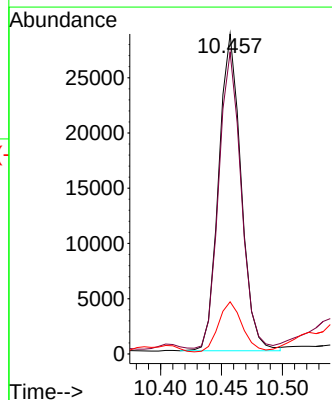
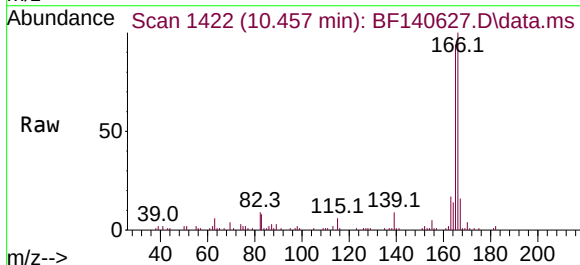
Instrument :
BNA_F
ClientSampleId :
TR-06-112124

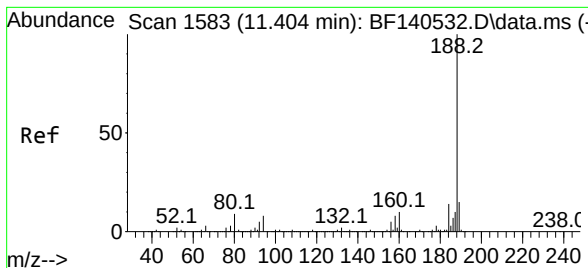
Tgt Ion:168 Resp: 14944
Ion Ratio Lower Upper
168 100
139 39.6 31.3 46.9
169 20.1 10.5 15.7#



#58
Fluorene
Concen: 6.415 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion:166 Resp: 36703
Ion Ratio Lower Upper
166 100
165 94.3 74.6 111.8
167 16.3 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140627.D

Acq: 26 Nov 2024 01:58

Instrument :

BNA_F

ClientSampleId :

TR-06-112124

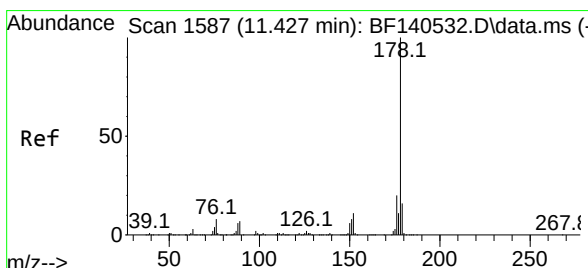
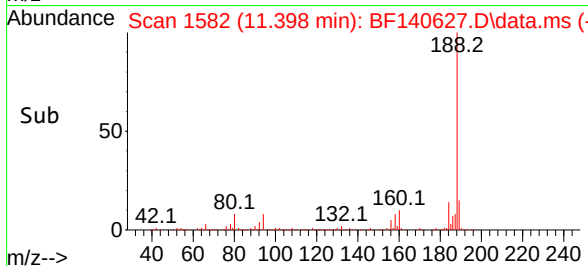
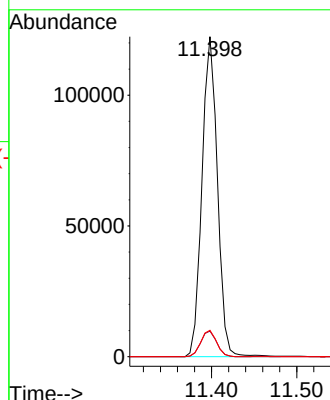
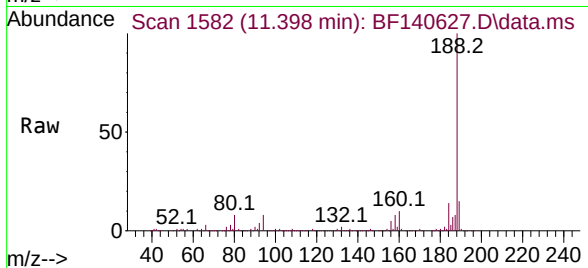
Tgt Ion:188 Resp: 153928

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.2 6.9 10.3



#71

Phenanthrene

Concen: 27.319 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140627.D

Acq: 26 Nov 2024 01:58

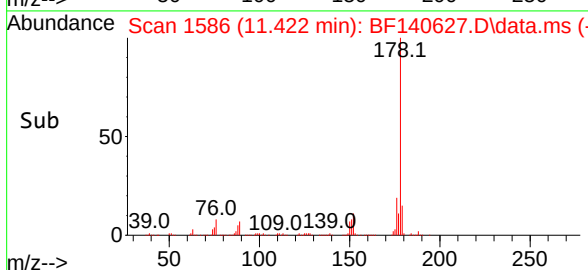
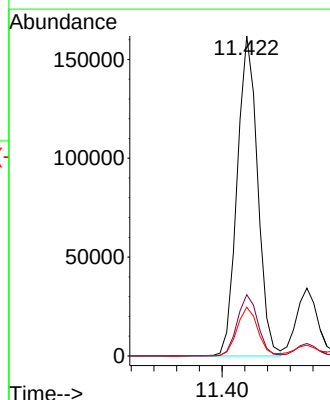
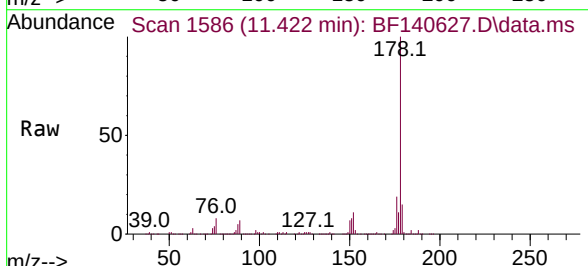
Tgt Ion:178 Resp: 202141

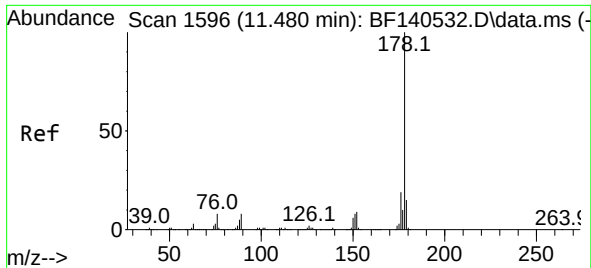
Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

179 15.2 12.4 18.6

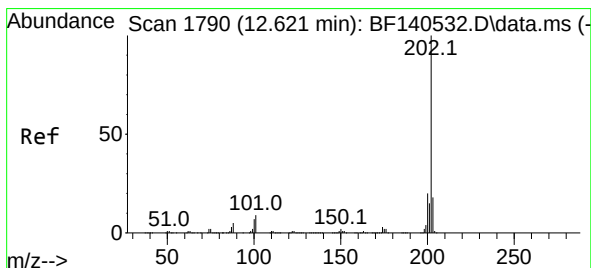
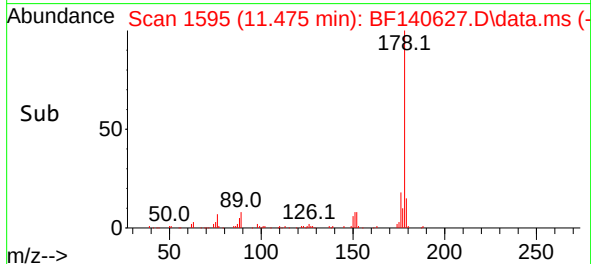
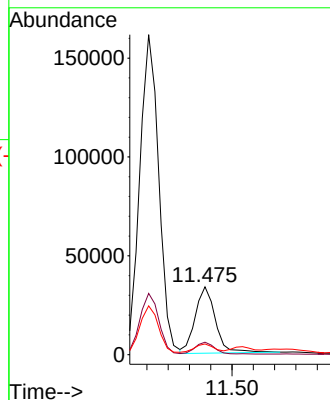
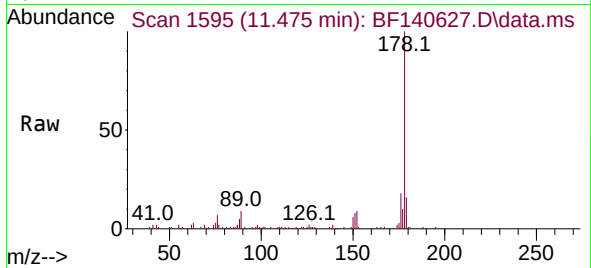




#72
 Anthracene
 Concen: 6.137 ng
 RT: 11.475 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140627.D
 Acq: 26 Nov 2024 01:58

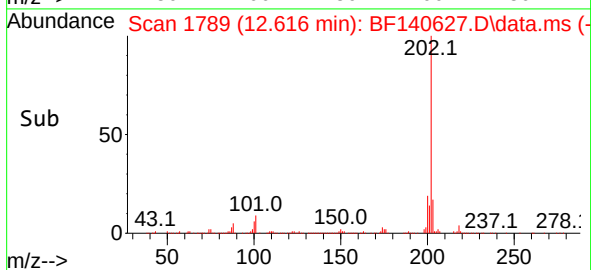
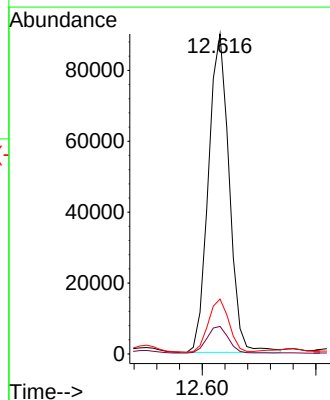
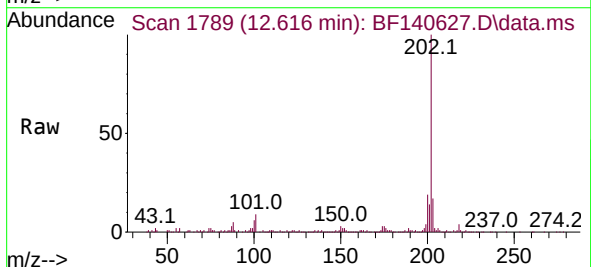
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-112124

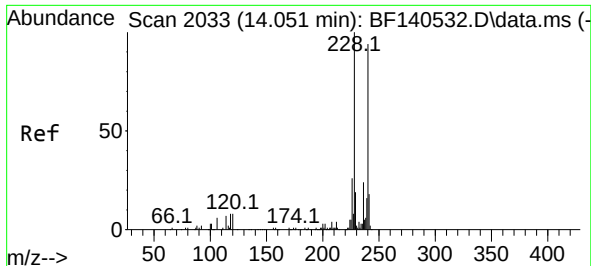
Tgt Ion:178 Resp: 44419
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.4
 179 15.8 12.2 18.4



#75
 Fluoranthene
 Concen: 14.183 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF140627.D
 Acq: 26 Nov 2024 01:58

Tgt Ion:202 Resp: 113944
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 28.9
 203 17.1 0.0 37.6

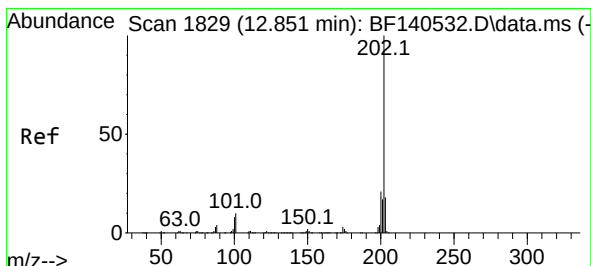
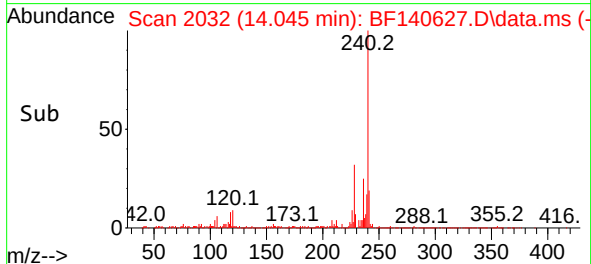
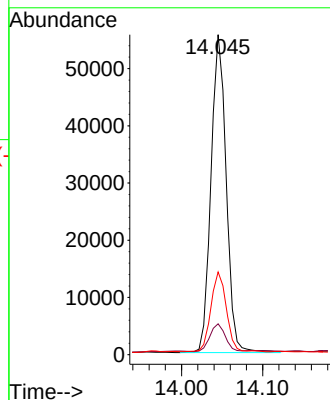
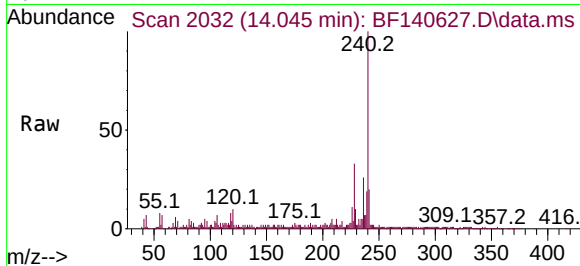




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

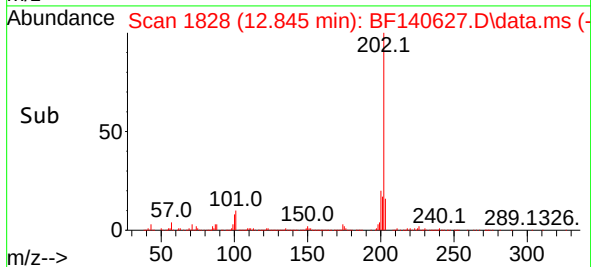
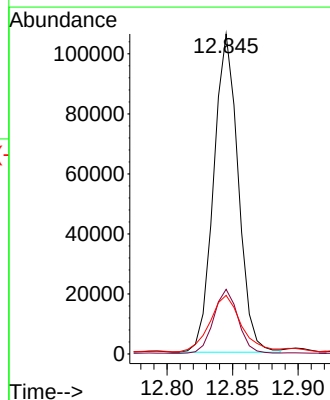
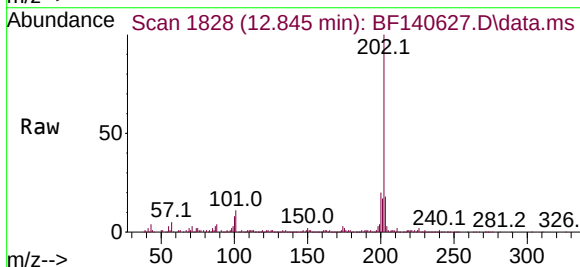
Instrument :
BNA_F
ClientSampleId :
TR-06-112124

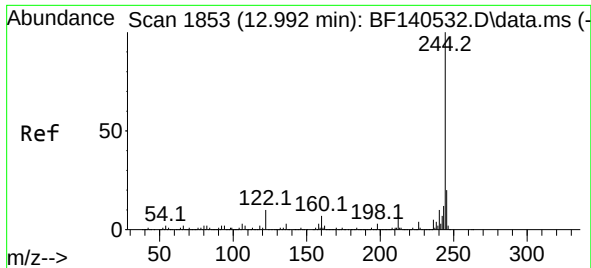
Tgt Ion:240 Resp: 72275
Ion Ratio Lower Upper
240 100
120 9.7 7.3 10.9
236 25.8 20.6 31.0



#78
Pyrene
Concen: 20.646 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion:202 Resp: 137970
Ion Ratio Lower Upper
202 100
200 20.2 16.5 24.7
203 18.3 14.2 21.4

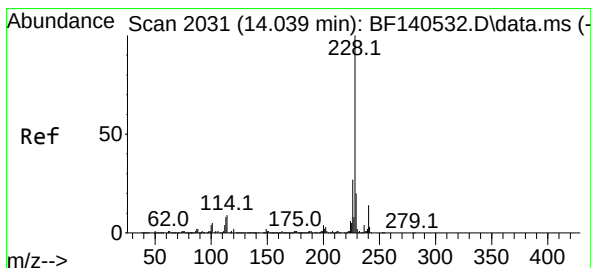
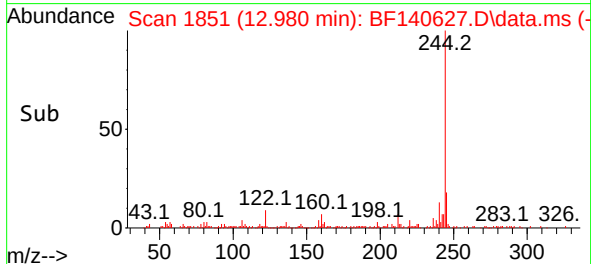
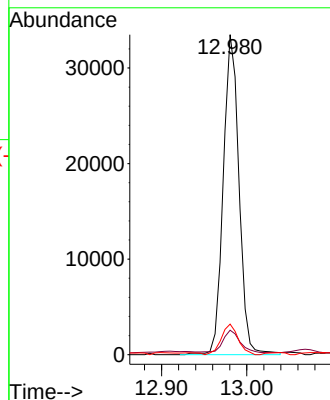
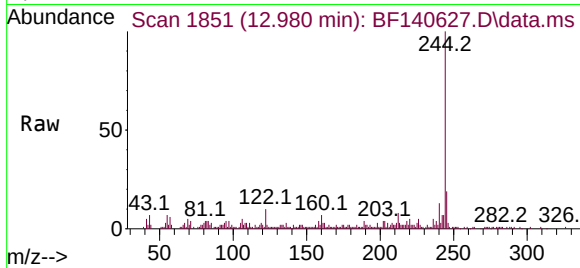




#79
 Terphenyl-d14
 Concen: 9.276 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF140627.D
 Acq: 26 Nov 2024 01:58

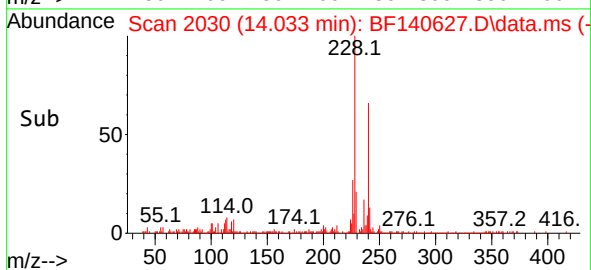
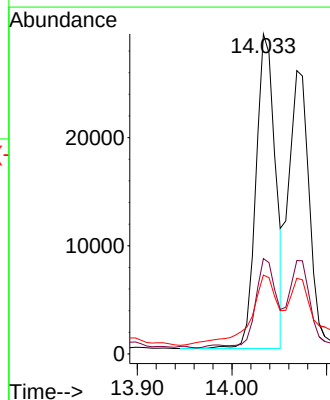
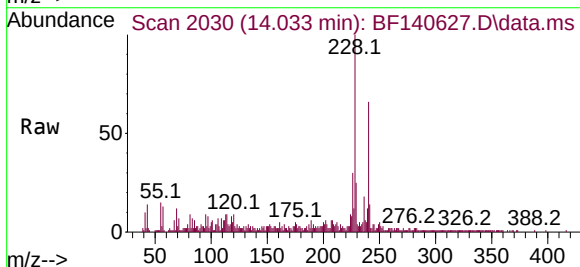
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-112124

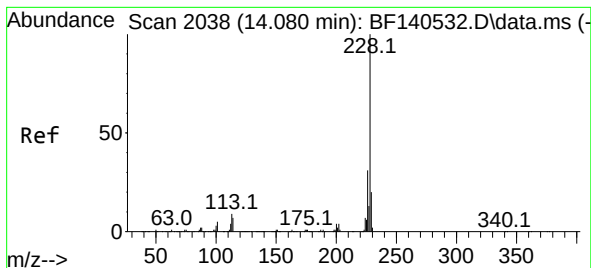
Tgt Ion:244 Resp: 43057
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 9.6 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 8.666 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140627.D
 Acq: 26 Nov 2024 01:58

Tgt Ion:228 Resp: 41459
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.8 32.8
 229 24.6 15.8 23.6#





#83

Chrysene

Concen: 8.855 ng

RT: 14.069 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF140627.D

Acq: 26 Nov 2024 01:58

Instrument :

BNA_F

ClientSampleId :

TR-06-112124

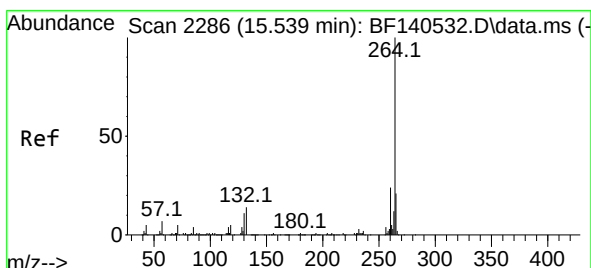
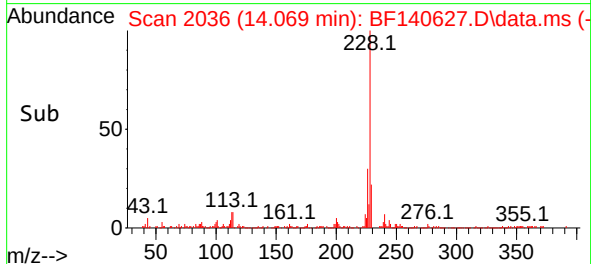
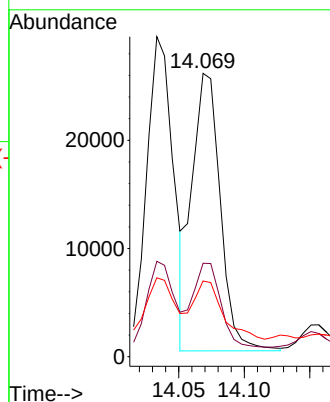
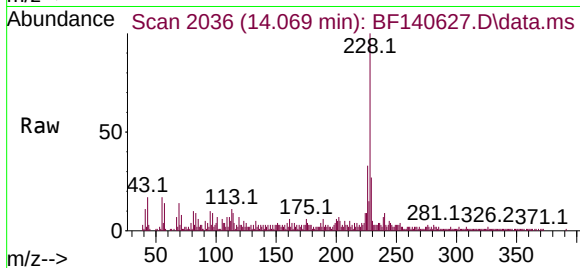
Tgt Ion:228 Resp: 38736

Ion Ratio Lower Upper

228 100

226 33.0 24.4 36.6

229 26.7 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. 0.000 min

Lab File: BF140627.D

Acq: 26 Nov 2024 01:58

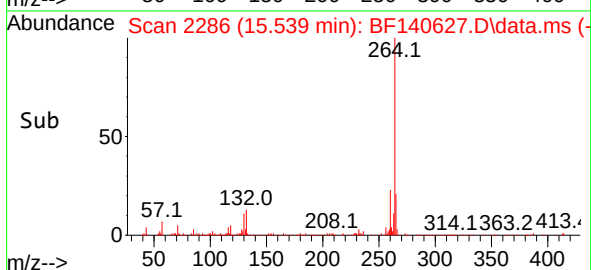
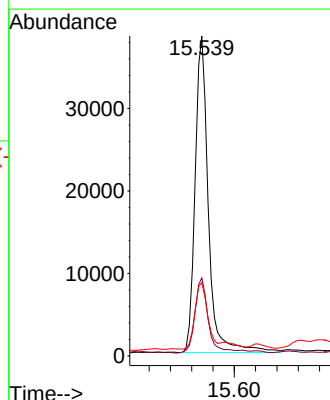
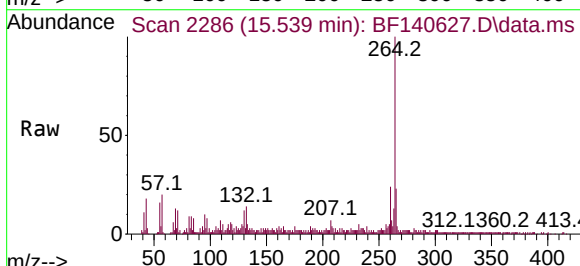
Tgt Ion:264 Resp: 66814

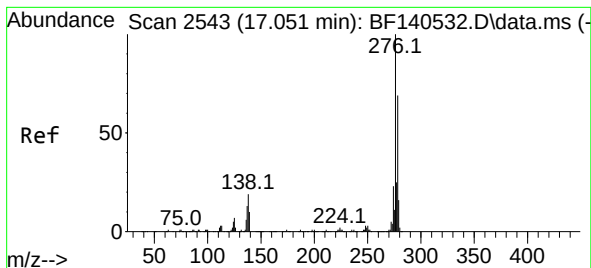
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 22.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.368 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140627.D

Acq: 26 Nov 2024 01:58

Instrument :

BNA_F

ClientSampleId :

TR-06-112124

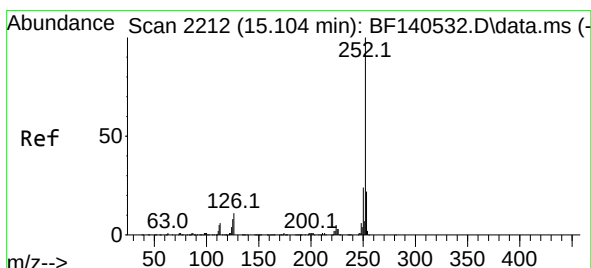
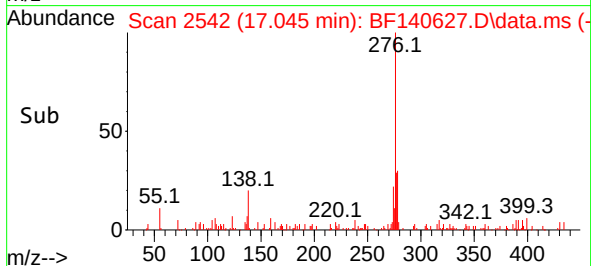
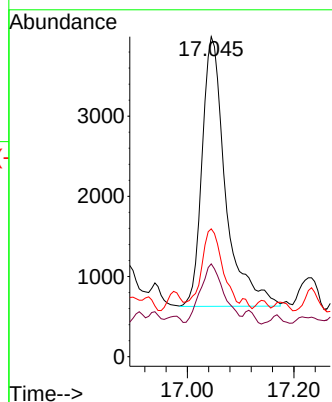
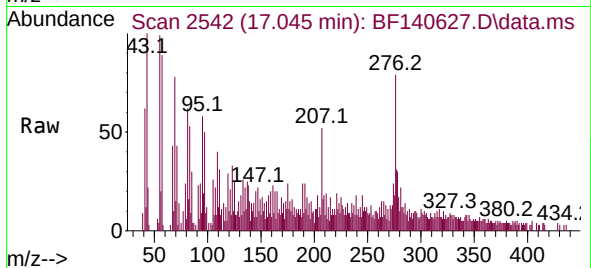
Tgt Ion:276 Resp: 10309

Ion Ratio Lower Upper

276 100

138 22.0 15.5 23.3

277 26.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 8.509 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF140627.D

Acq: 26 Nov 2024 01:58

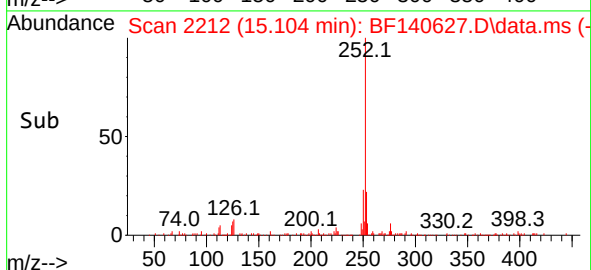
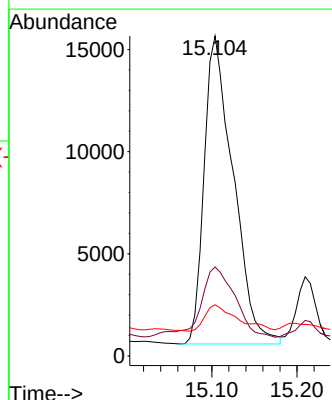
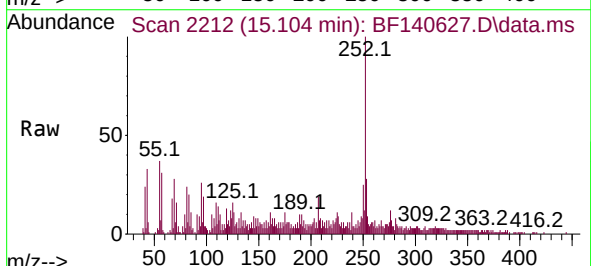
Tgt Ion:252 Resp: 35710

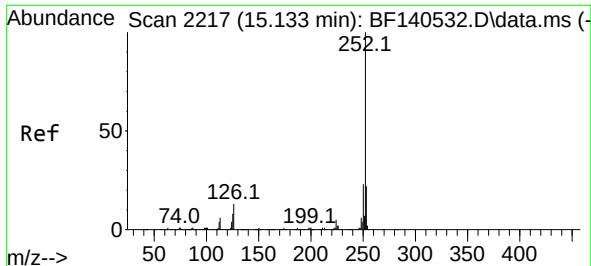
Ion Ratio Lower Upper

252 100

253 27.8 17.2 25.8#

125 16.0 6.7 10.1#

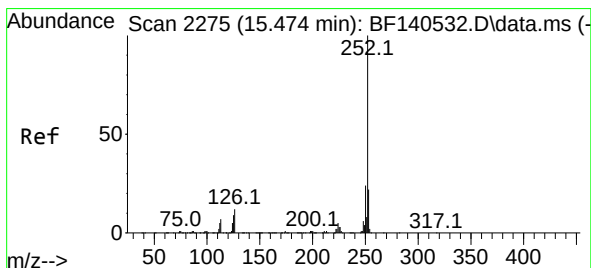
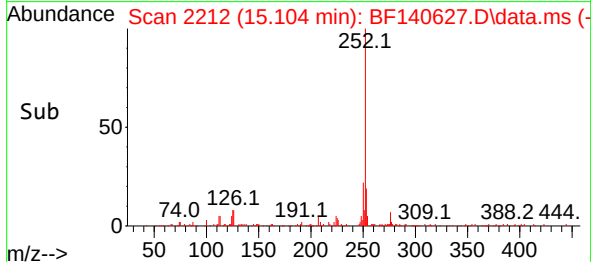
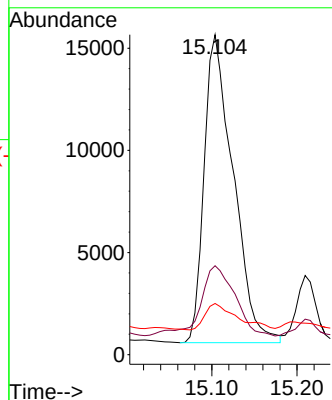
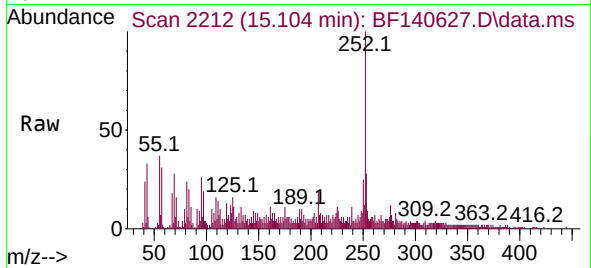




#89
Benzo(k)fluoranthene
Concen: 9.724 ng
RT: 15.104 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

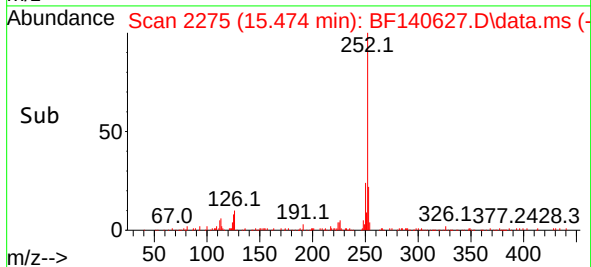
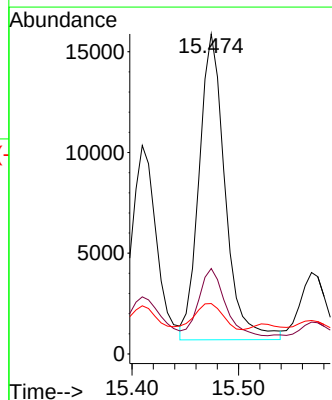
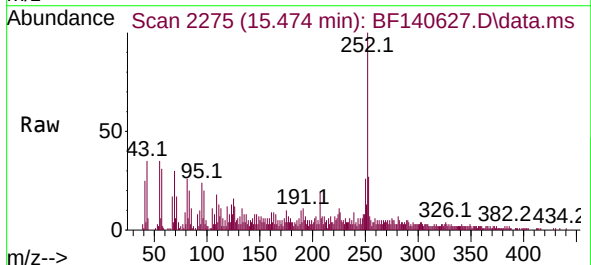
Instrument :
BNA_F
ClientSampleId :
TR-06-112124

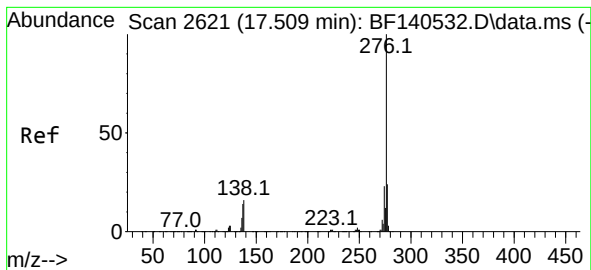
Tgt Ion:252 Resp: 35710
Ion Ratio Lower Upper
252 100
253 27.8 17.5 26.3#
125 16.0 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 7.555 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF140627.D
Acq: 26 Nov 2024 01:58

Tgt Ion:252 Resp: 25778
Ion Ratio Lower Upper
252 100
253 26.7 17.3 25.9#
125 15.7 7.0 10.6#





#92

Benzo(g,h,i)perylene

Concen: 2.957 ng

RT: 17.504 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF140627.D

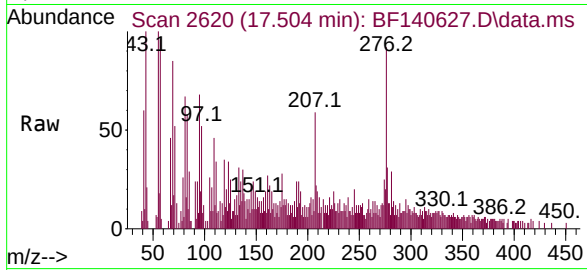
Acq: 26 Nov 2024 01:58

Instrument :

BNA_F

ClientSampleId :

TR-06-112124



Tgt Ion:276 Resp: 10760

Ion Ratio Lower Upper

276 100

277 33.3 18.9 28.3#

138 19.8 13.2 19.8#

