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 Data File : BF140470.D
 Acq On : 19 Nov 2024 13:47
 Operator : RC/JU
 Sample : P4852-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Quant Time: Nov 19 14:16:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

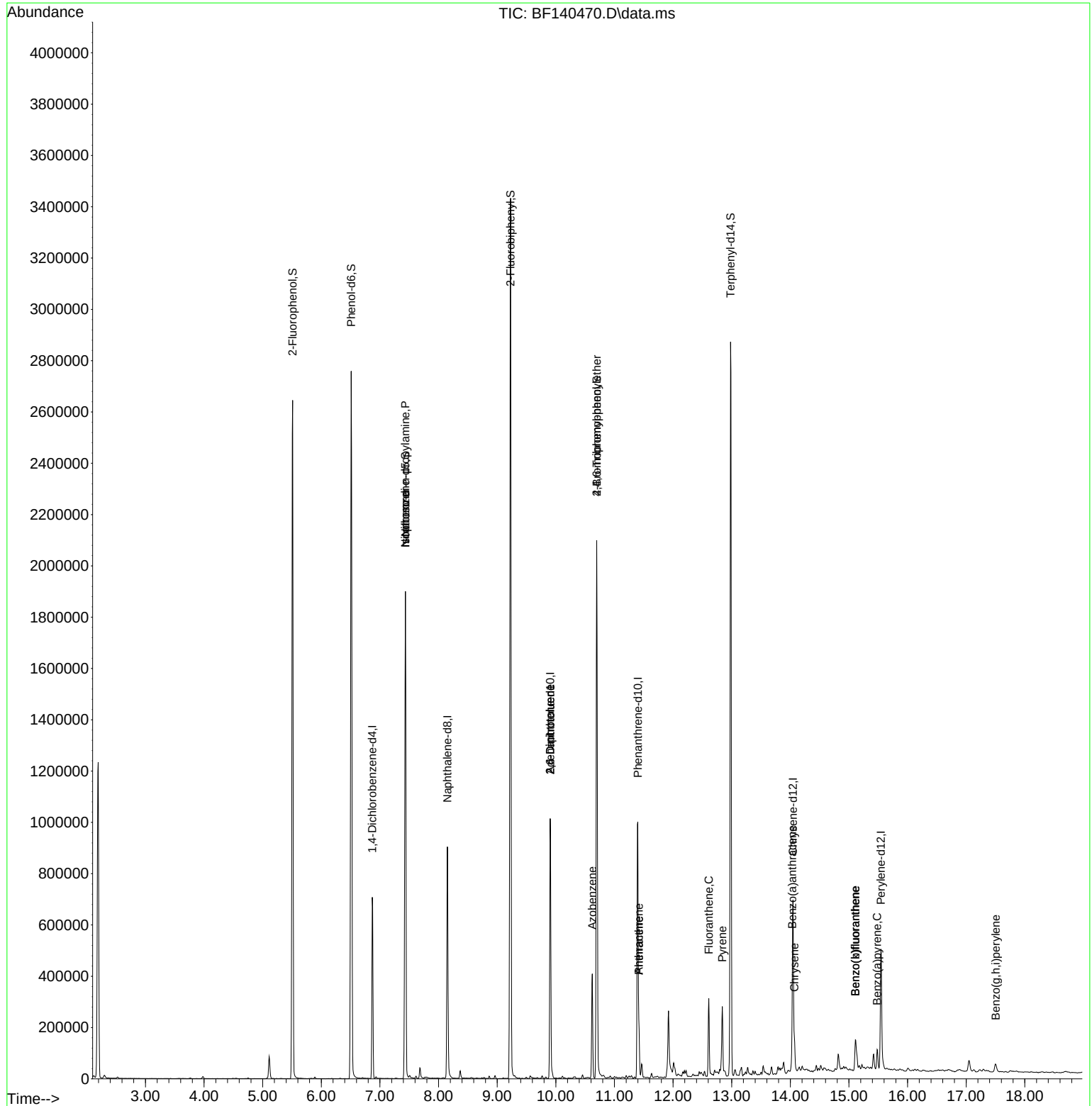
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	152696	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	579902	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	312197	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	553548	20.000	ng	0.00
76) Chrysene-d12	14.045	240	281611	20.000	ng	0.00
86) Perylene-d12	15.545	264	283940	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1036533	115.901	ng	0.02
7) Phenol-d6	6.510	99	1421601	117.326	ng	0.00
23) Nitrobenzene-d5	7.434	82	925139	83.121	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	368077	118.560	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1599580	82.365	ng	0.00
79) Terphenyl-d14	12.980	244	1452282	89.516	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	123286	16.847	ng	# 76
25) Isophorone	7.434	82	916463	46.460	ng	# 67
51) 2,6-Dinitrotoluene	9.904	165	39134	8.436	ng	# 22
57) 2,4-Dinitrotoluene	9.904	165	39128	6.409	ng	# 20
63) Azobenzene	10.622	77	108873	5.295	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	24359	4.402	ng	# 1
71) Phenanthrene	11.416	178	101947	3.921	ng	100
72) Anthracene	11.416	178	101947	4.000	ng	99
75) Fluoranthene	12.610	202	170859	5.857	ng	99
78) Pyrene	12.839	202	153718	6.381	ng	99
81) Benzo(a)anthracene	14.033	228	67149	3.628	ng	98
83) Chrysene	14.069	228	64654	3.829	ng	97
88) Benzo(b)fluoranthene	15.110	252	102161	5.500	ng	96
89) Benzo(k)fluoranthene	15.110	252	102161	6.733	ng	# 95
90) Benzo(a)pyrene	15.480	252	48296	3.348	ng	97
92) Benzo(g,h,i)perylene	17.504	276	30408	2.052	ng	96

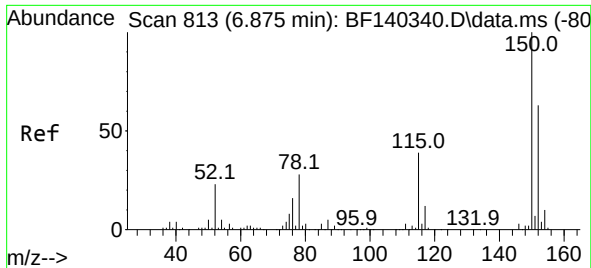
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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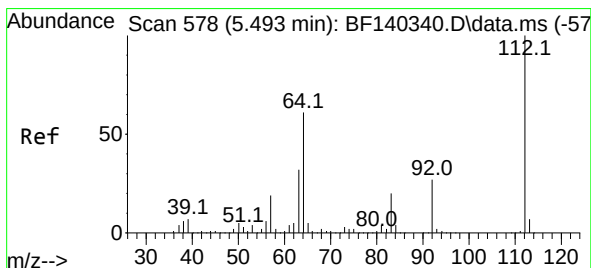
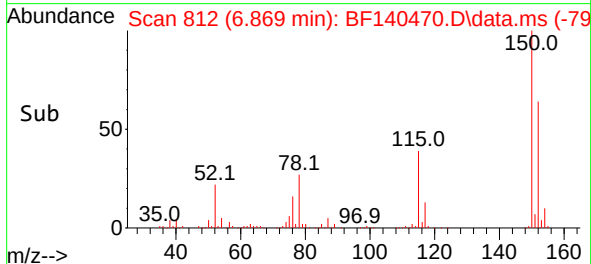
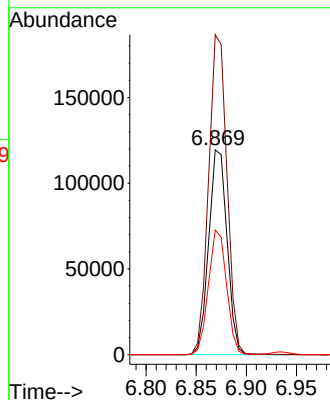
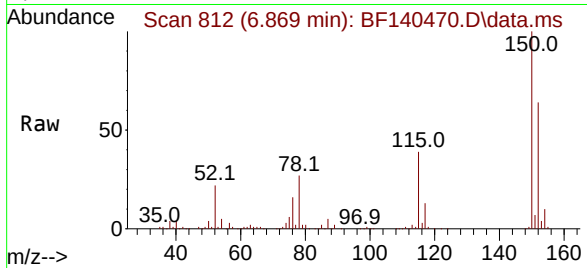




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

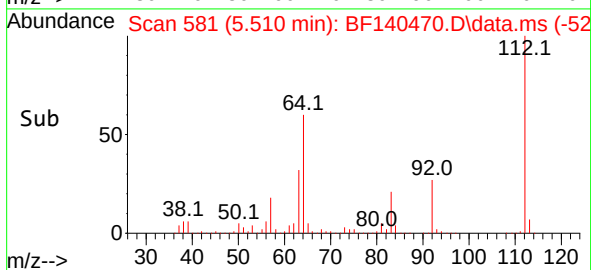
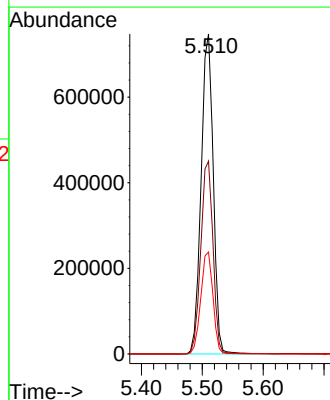
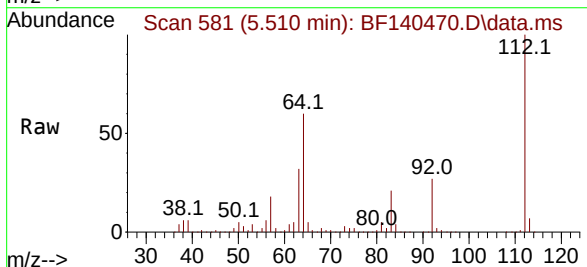
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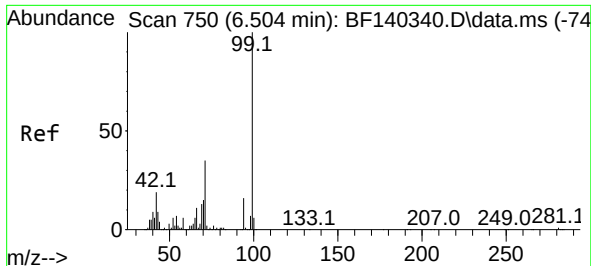
Tgt Ion:152 Resp: 152696
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 60.9 47.4 71.2



#5
2-Fluorophenol
Concen: 115.901 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:112 Resp: 1036533
Ion Ratio Lower Upper
112 100
64 60.3 49.2 73.8
63 31.8 25.6 38.4

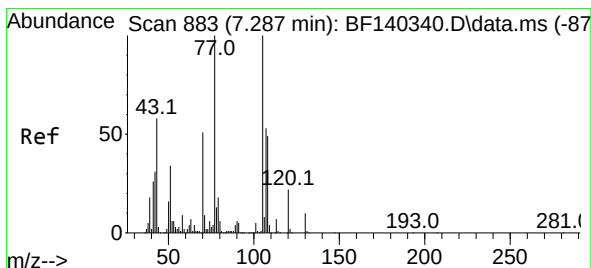
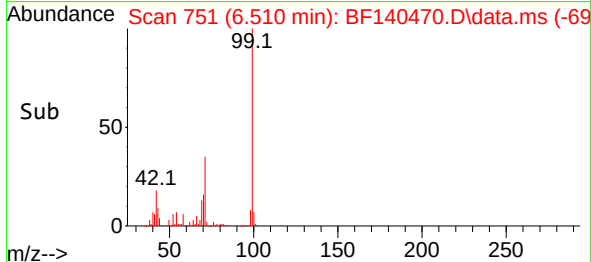
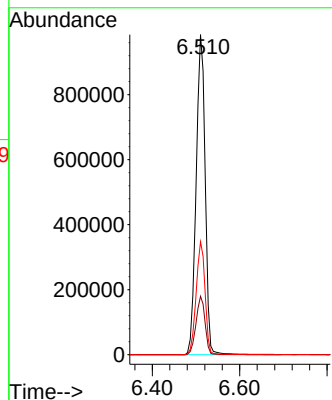
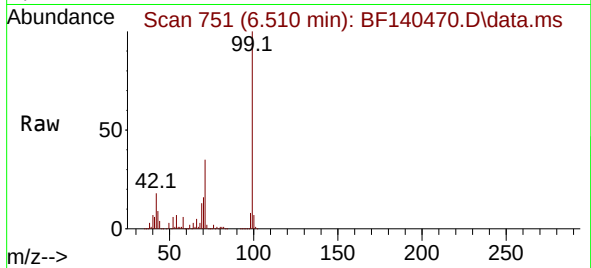




#7
Phenol-d6
Concen: 117.326 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

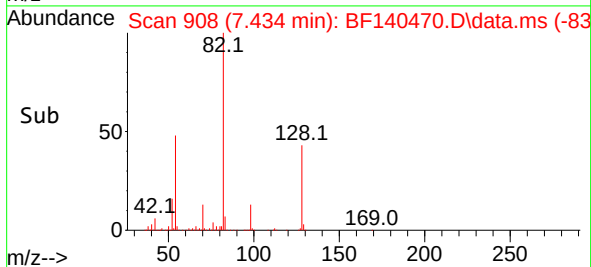
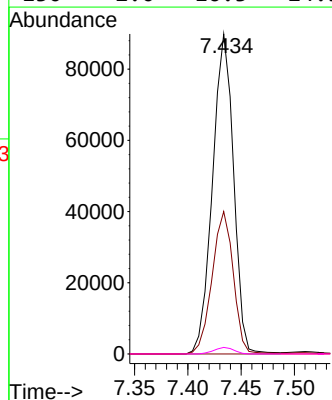
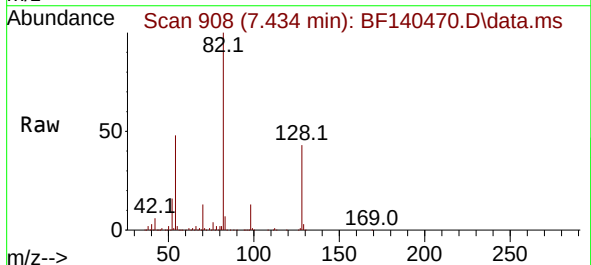
Instrument :
BNA_F
ClientSampleId :
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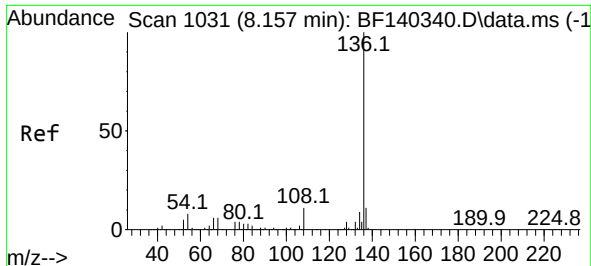
Tgt Ion: 99 Resp: 1421601
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 35.3 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.847 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion: 70 Resp: 123286
Ion Ratio Lower Upper
70 100
42 44.5 46.8 70.2#
101 0.0 7.5 11.3#
130 2.0 16.3 24.5#

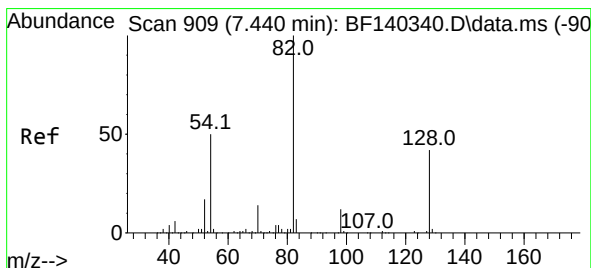
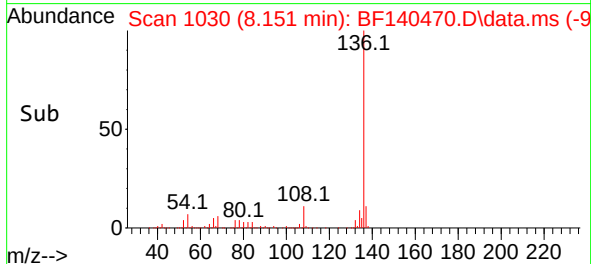
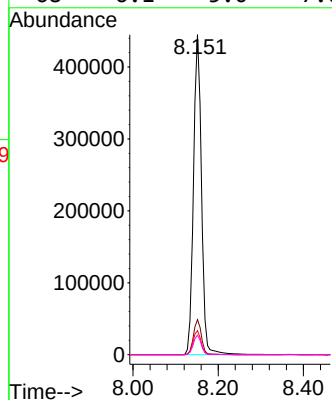
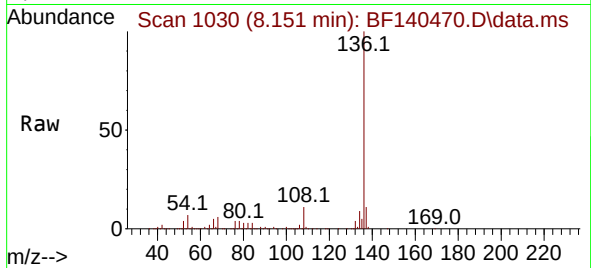




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

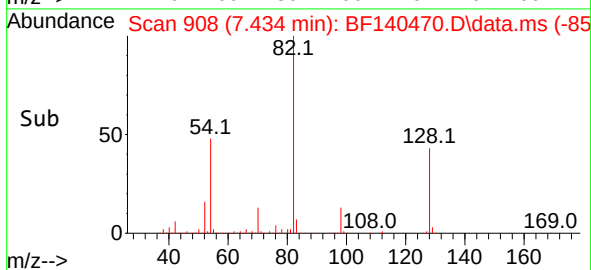
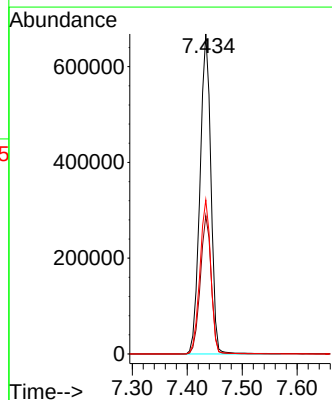
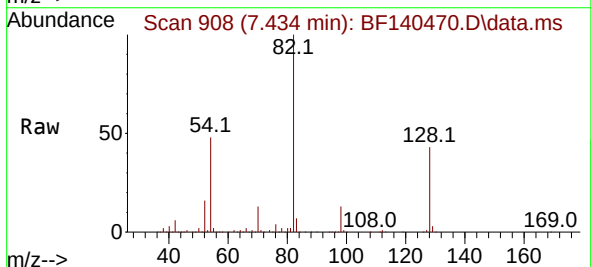
Instrument :
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ClientSampleId :
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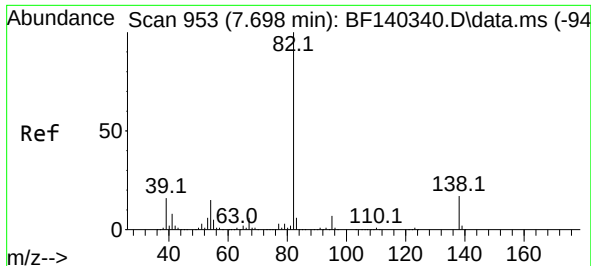
Tgt Ion:136 Resp: 579902
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.5 6.5 9.7
68 6.1 5.0 7.6



#23
Nitrobenzene-d5
Concen: 83.121 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion: 82 Resp: 925139
Ion Ratio Lower Upper
82 100
128 43.2 33.3 49.9
54 48.1 39.8 59.8

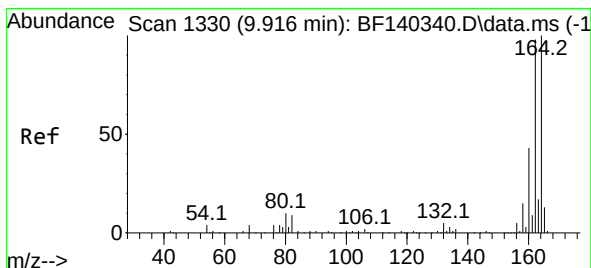
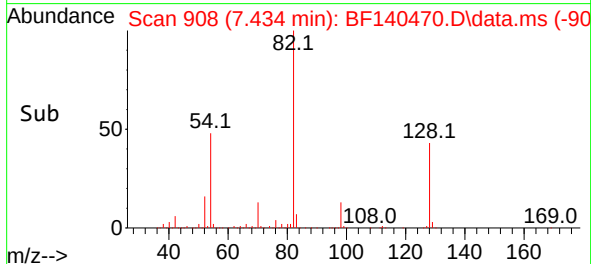
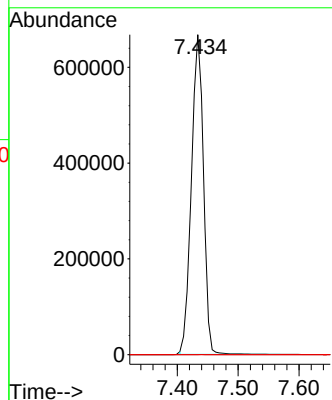
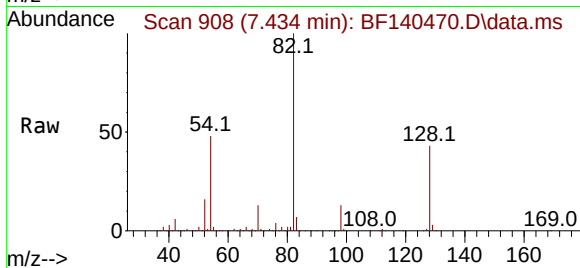




#25
Isophorone
Concen: 46.460 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

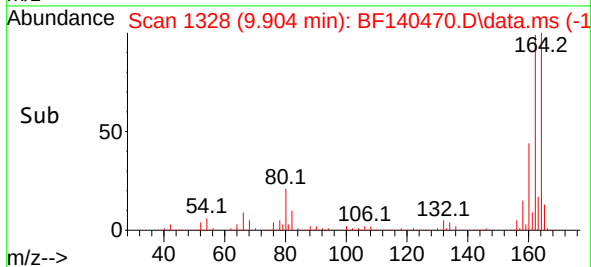
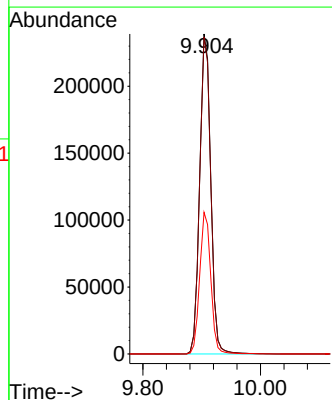
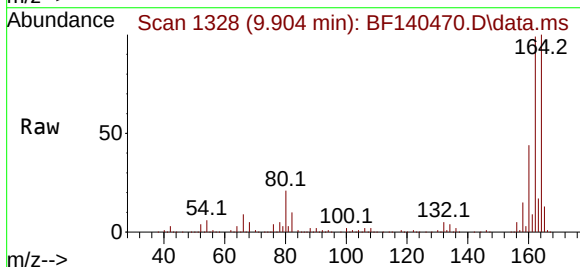
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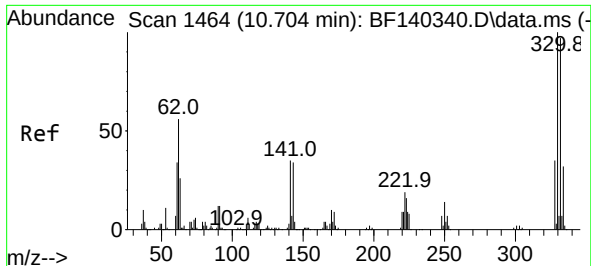
Tgt Ion: 82 Resp: 916463
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion: 164 Resp: 312197
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.8
160 44.3 35.4 53.0

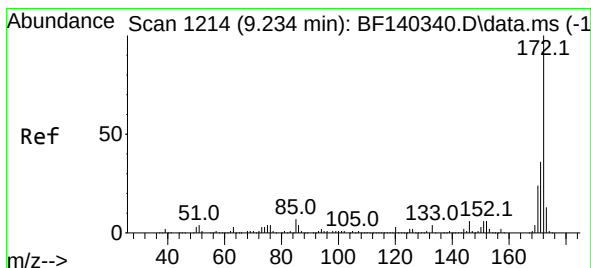
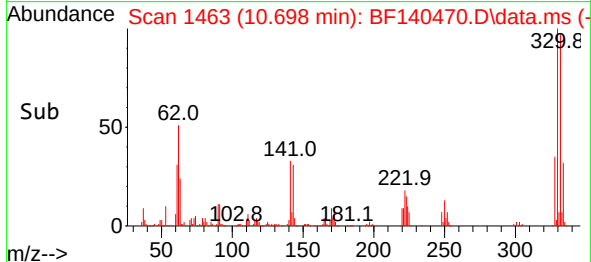
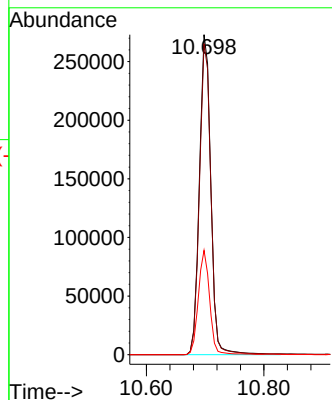
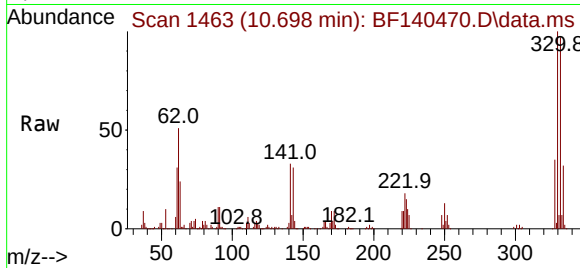




#42
2,4,6-Tribromophenol
Concen: 118.560 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

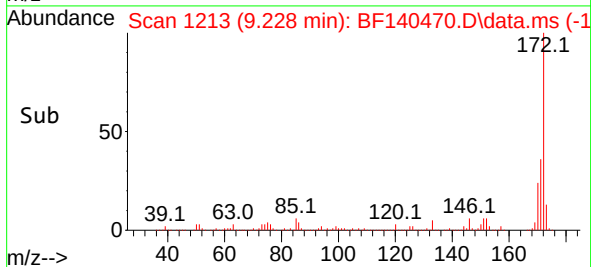
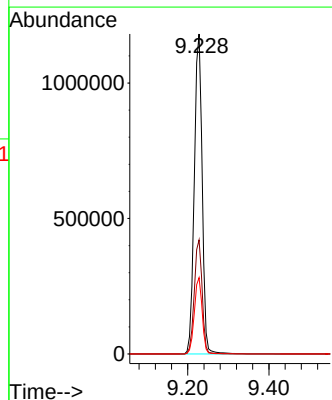
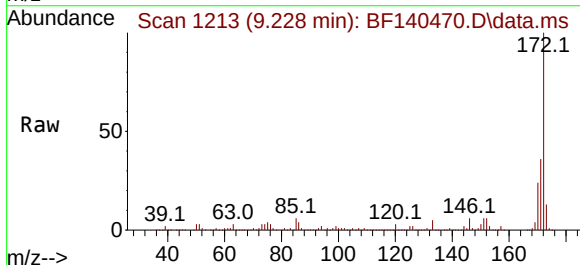
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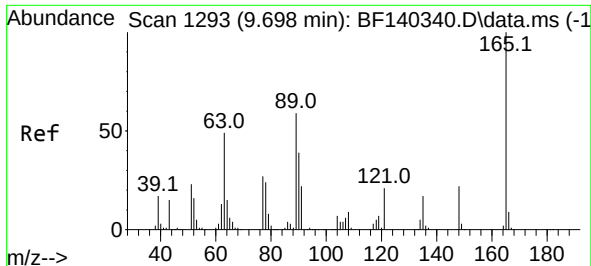
Tgt Ion:330 Resp: 368077
Ion Ratio Lower Upper
330 100
332 97.6 75.9 113.9
141 32.3 26.9 40.3



#45
2-Fluorobiphenyl
Concen: 82.365 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:172 Resp: 1599580
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.8 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.436 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

Instrument :

BNA_F

ClientSampleId :

COMP-3

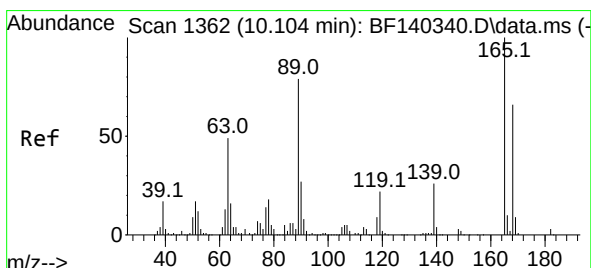
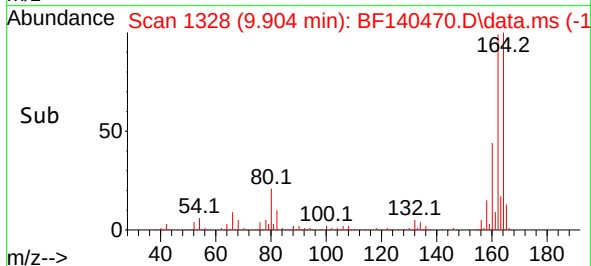
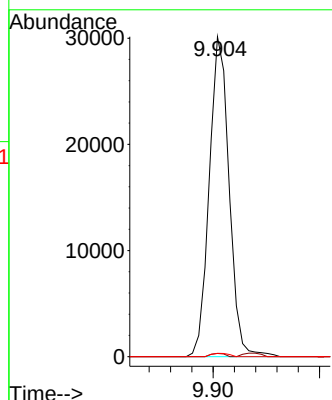
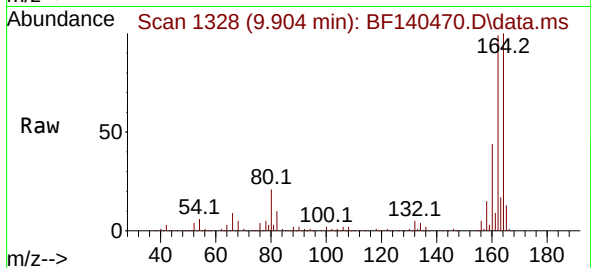
Tgt Ion:165 Resp: 39134

Ion Ratio Lower Upper

165 100

63 1.0 47.6 71.4#

89 1.1 48.1 72.1#



#57

2,4-Dinitrotoluene

Concen: 6.409 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.200 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

Tgt Ion:165 Resp: 39128

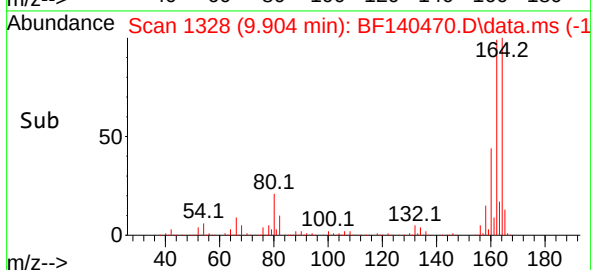
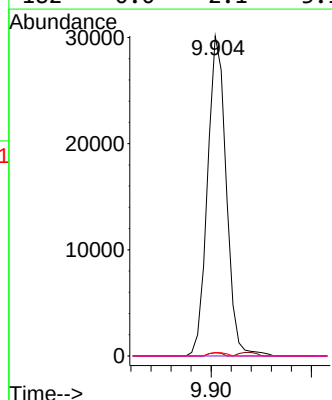
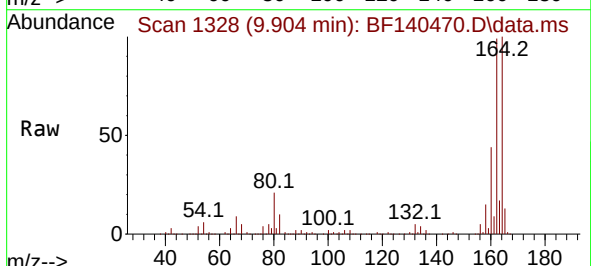
Ion Ratio Lower Upper

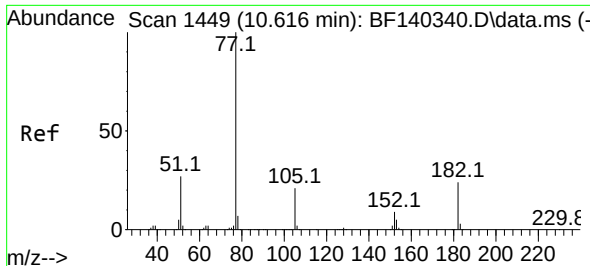
165 100

63 1.0 39.4 59.0#

89 1.1 62.4 93.6#

182 0.0 2.1 3.1#

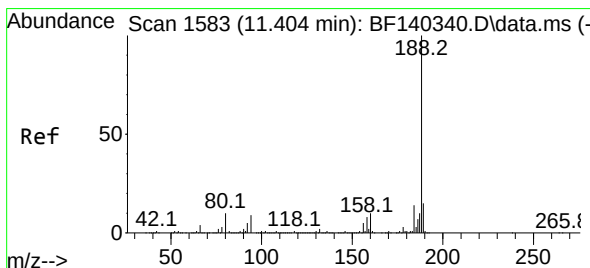
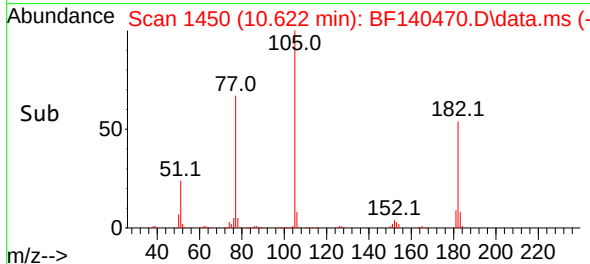
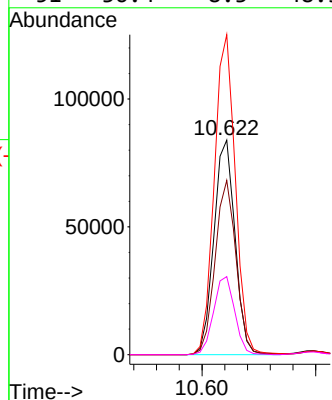
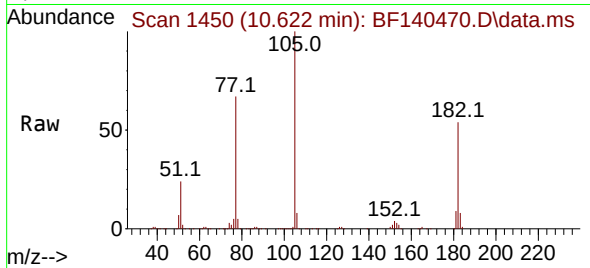




#63
 Azobenzene
 Concen: 5.295 ng
 RT: 10.622 min Scan# 1449
 Delta R.T. 0.006 min
 Lab File: BF140470.D
 Acq: 19 Nov 2024 13:47

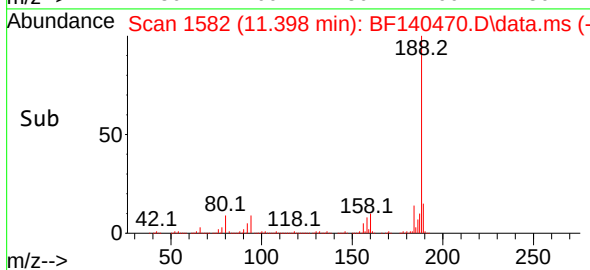
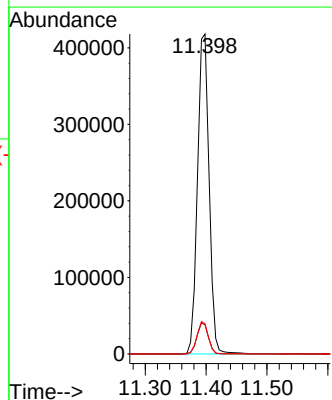
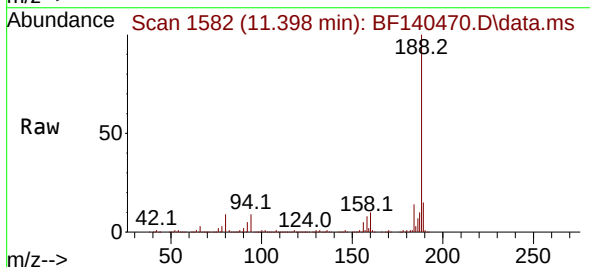
Instrument :
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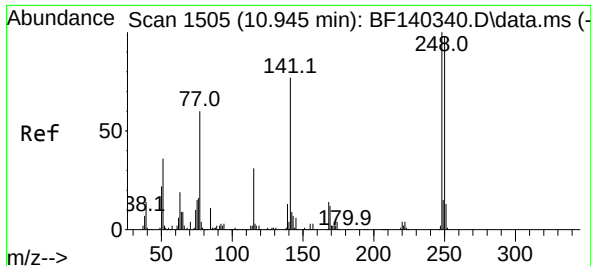
Tgt Ion: 77	Resp: 108873
Ion Ratio	Lower Upper
77 100	
182 81.2	4.6 44.6#
105 149.1	0.9 40.9#
51 36.4	8.3 48.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF140470.D
 Acq: 19 Nov 2024 13:47

Tgt Ion: 188	Resp: 553548
Ion Ratio	Lower Upper
188 100	
94 9.1	7.6 11.4
80 9.4	8.0 12.0

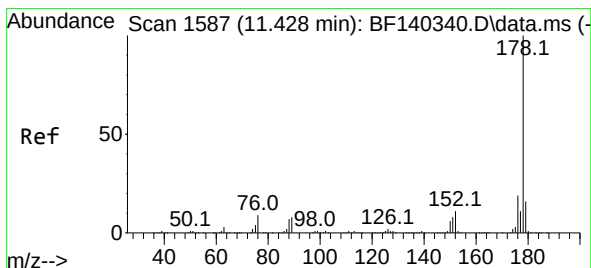
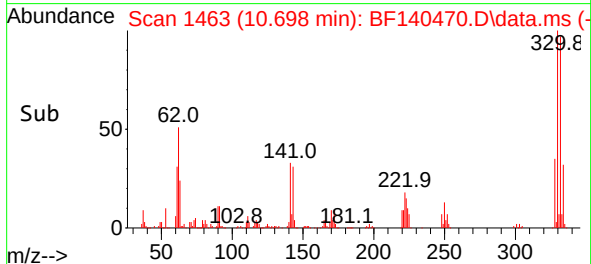
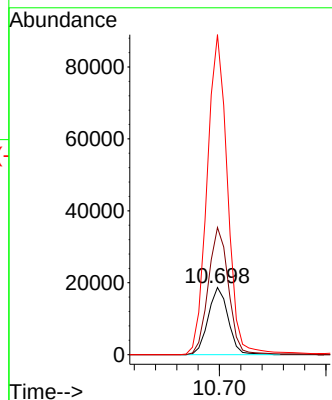
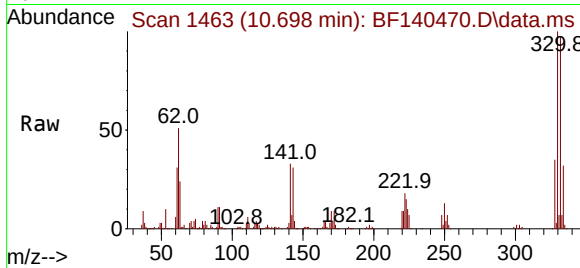




#67
4-Bromophenyl-phenylether
Concen: 4.402 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

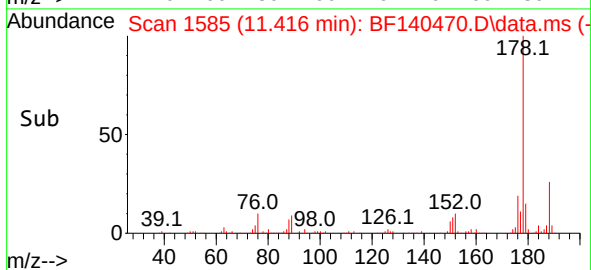
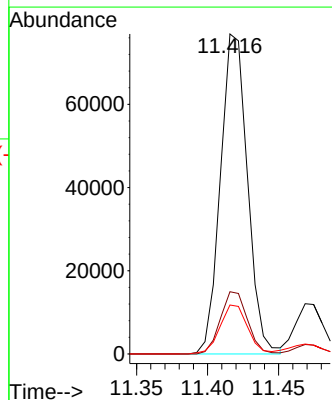
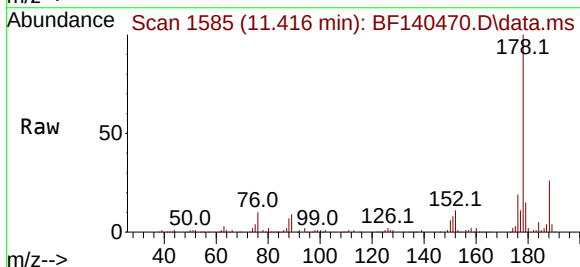
Instrument :
BNA_F
ClientSampleId :
COMP-3

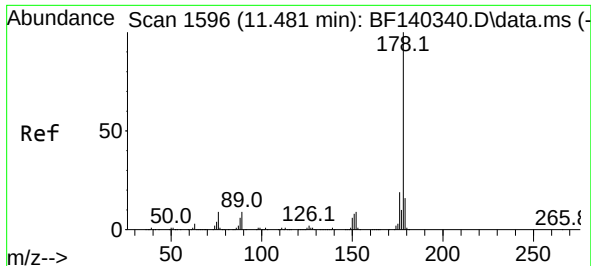
Tgt Ion:248 Resp: 24359
Ion Ratio Lower Upper
248 100
250 189.4 77.9 116.9#
141 476.1 61.8 92.6#



#71
Phenanthrene
Concen: 3.921 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:178 Resp: 101947
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.3 12.4 18.6

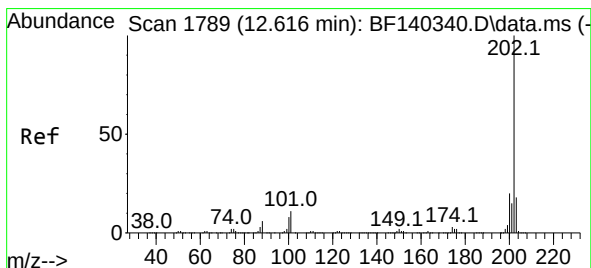
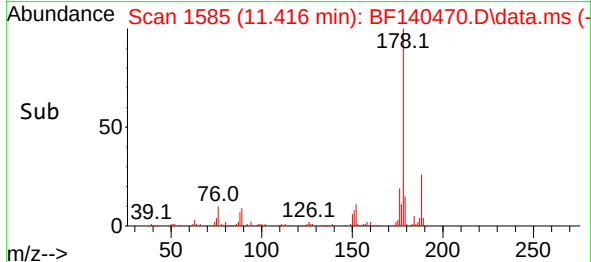
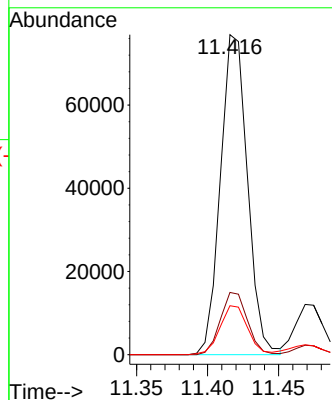
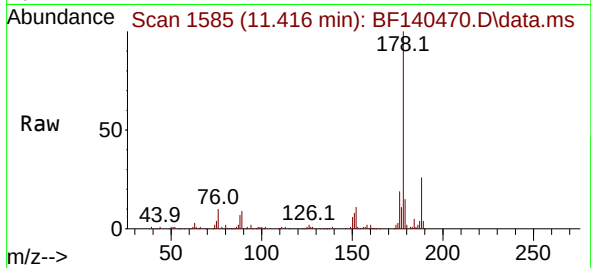




#72
 Anthracene
 Concen: 4.000 ng
 RT: 11.416 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF140470.D
 Acq: 19 Nov 2024 13:47

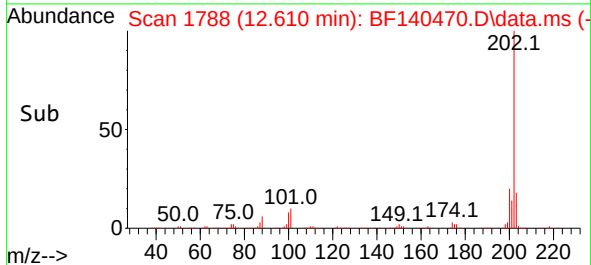
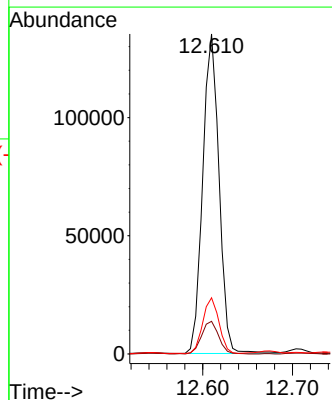
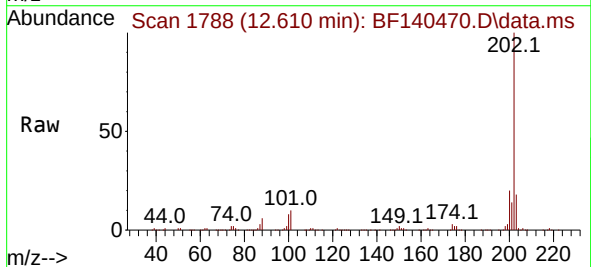
Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

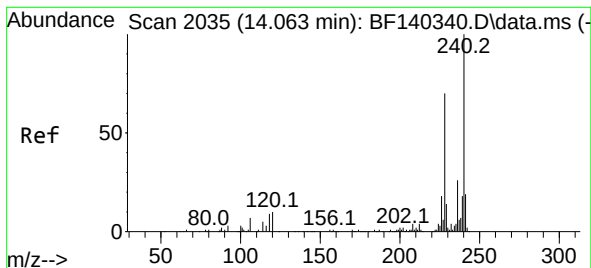
Tgt Ion:178 Resp: 101947
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.0
 179 15.3 12.6 18.8



#75
 Fluoranthene
 Concen: 5.857 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF140470.D
 Acq: 19 Nov 2024 13:47

Tgt Ion:202 Resp: 170859
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.7
 203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

Instrument :

BNA_F

ClientSampleId :

COMP-3

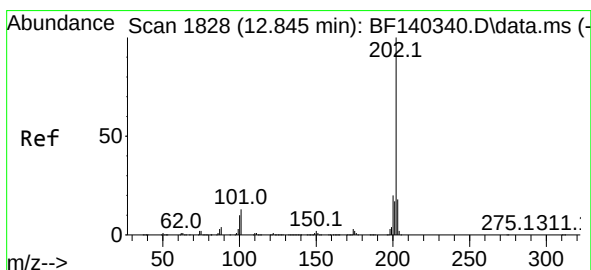
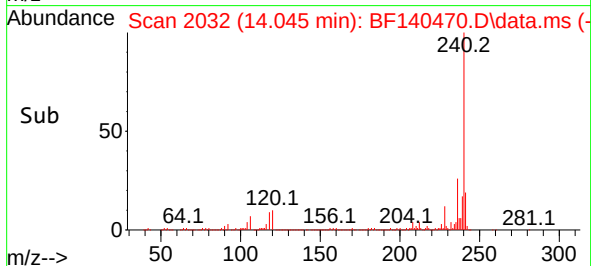
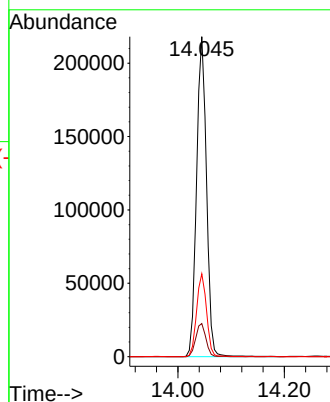
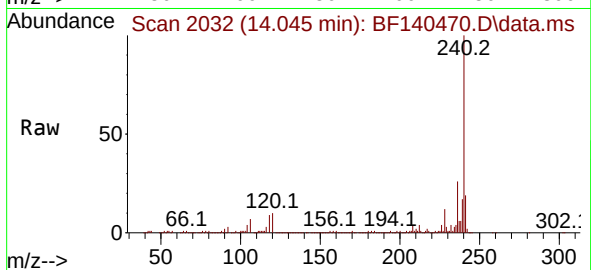
Tgt Ion:240 Resp: 281611

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

236 25.9 20.9 31.3



#78

Pyrene

Concen: 6.381 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

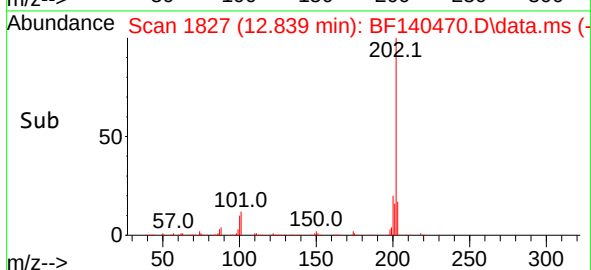
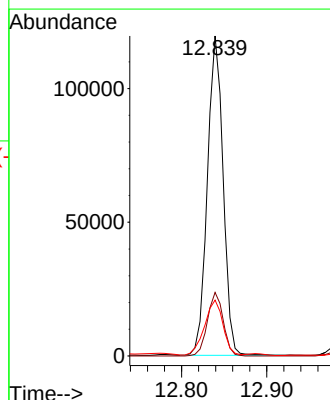
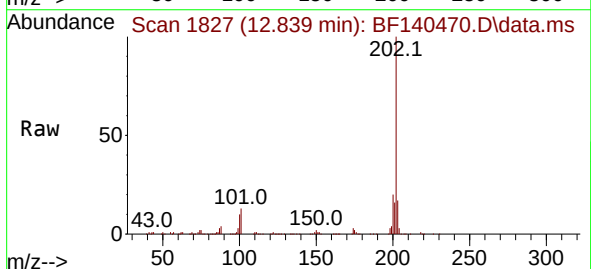
Tgt Ion:202 Resp: 153718

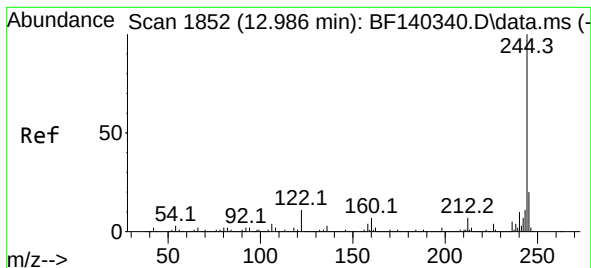
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 89.516 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

Instrument :

BNA_F

ClientSampleId :

COMP-3

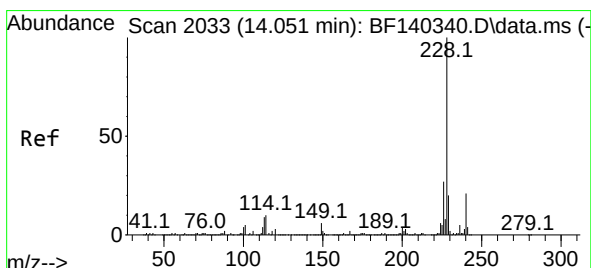
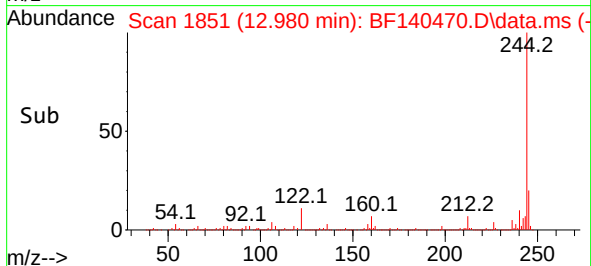
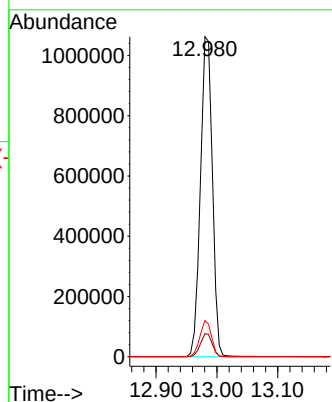
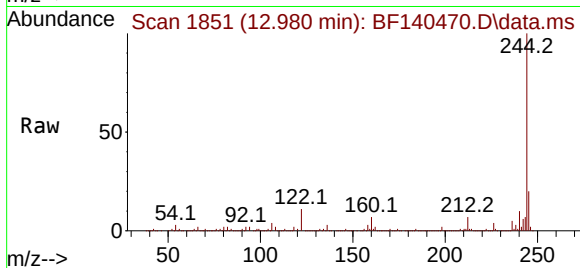
Tgt Ion:244 Resp: 1452282

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 11.3 8.8 13.2



#81

Benzo(a)anthracene

Concen: 3.628 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

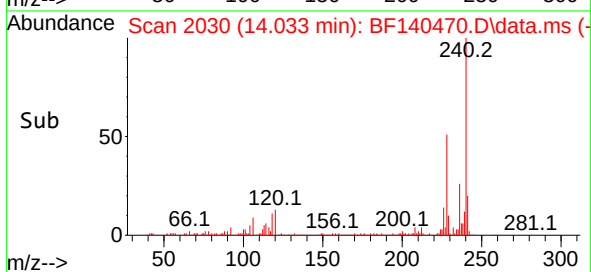
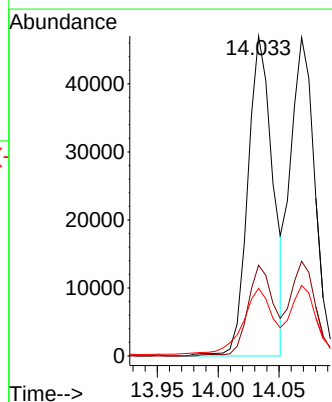
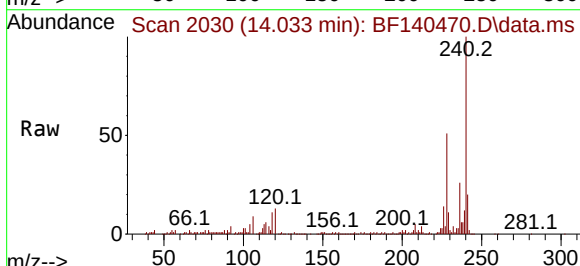
Tgt Ion:228 Resp: 67149

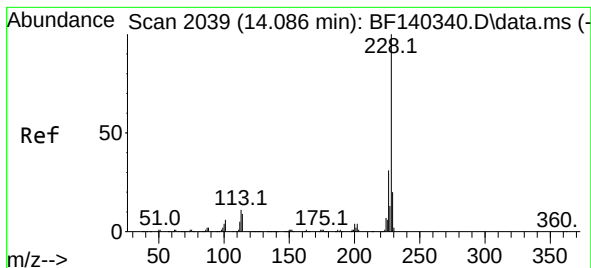
Ion Ratio Lower Upper

228 100

226 28.3 22.2 33.4

229 21.1 15.8 23.6





#83

Chrysene

Concen: 3.829 ng

RT: 14.069 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

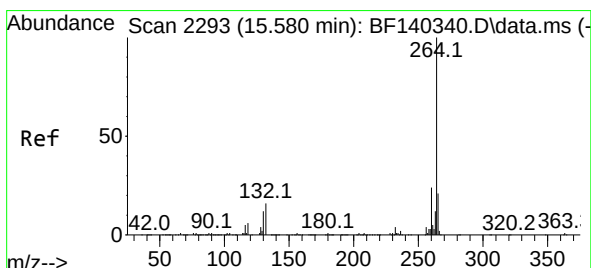
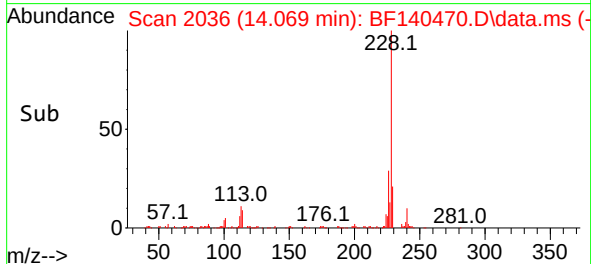
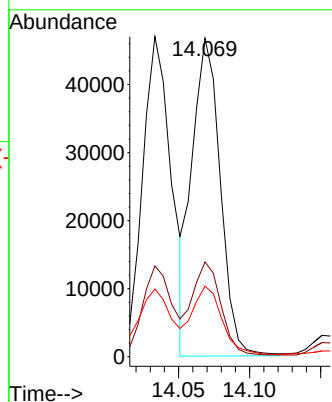
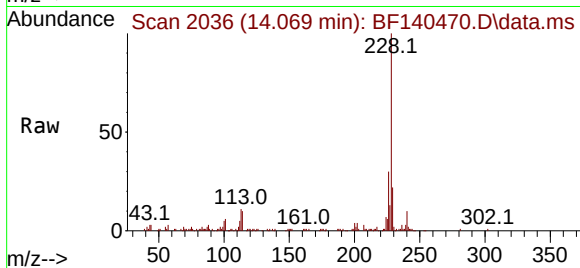
Instrument :

BNA_F

ClientSampleId :

COMP-3

Tgt Ion:	228	Resp:	64654
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.5	36.7
229	22.2	16.0	24.0



#86

Perylene-d12

Concen: 20.000 ng

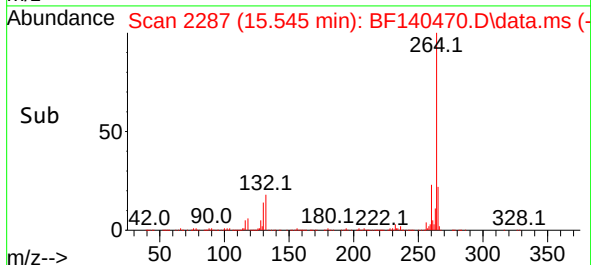
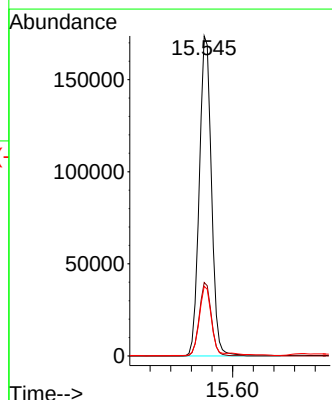
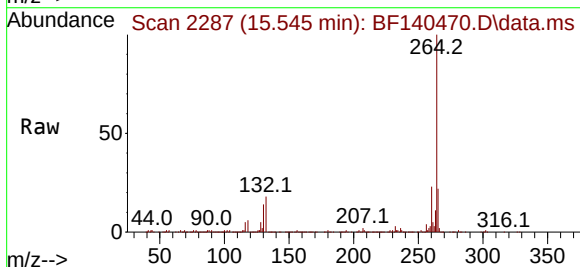
RT: 15.545 min Scan# 2287

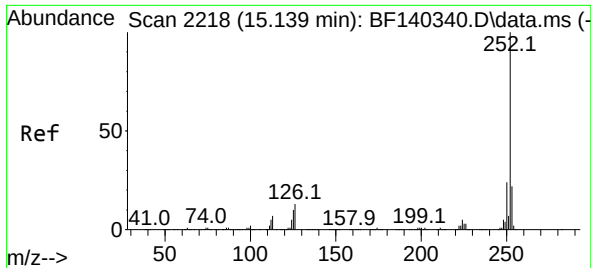
Delta R.T. -0.012 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

Tgt Ion:	264	Resp:	283940
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.2	28.8
265	21.7	17.1	25.7

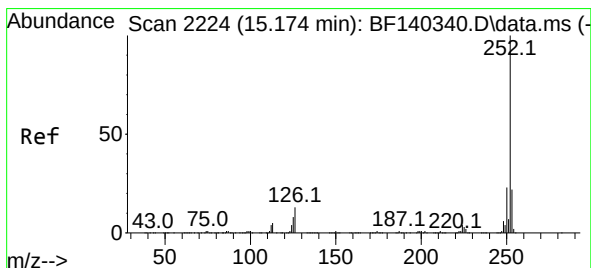
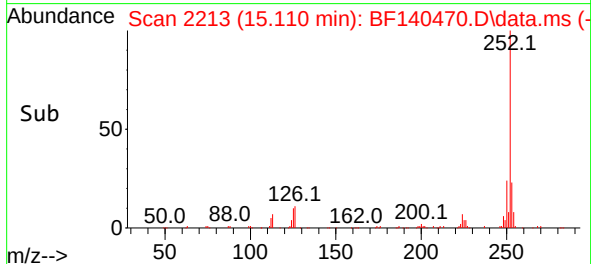
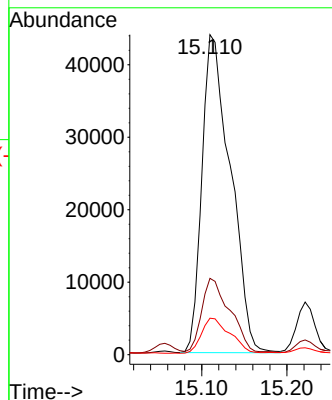
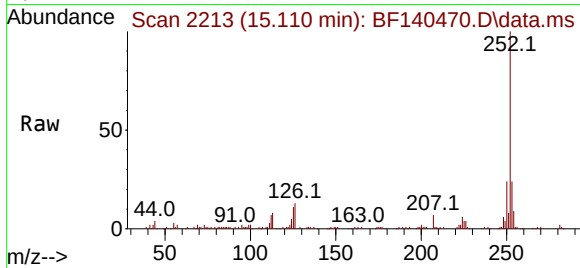




#88
Benzo(b)fluoranthene
Concen: 5.500 ng
RT: 15.110 min Scan# 2213
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

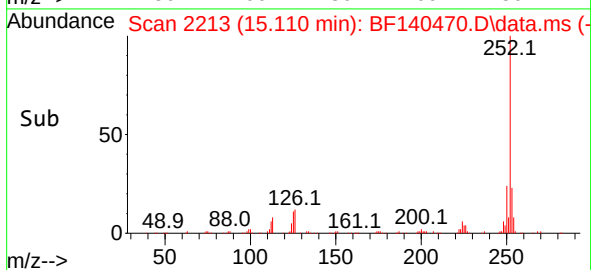
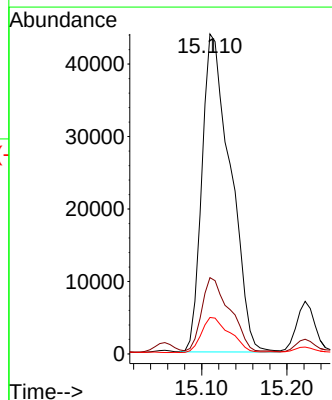
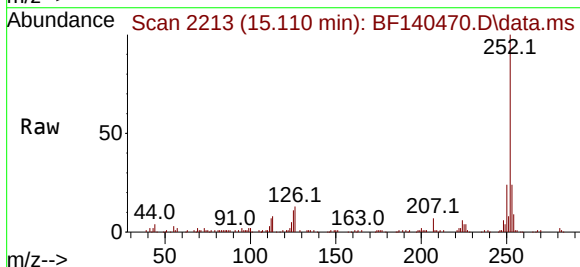
Instrument :
BNA_F
ClientSampleId :
COMP-3

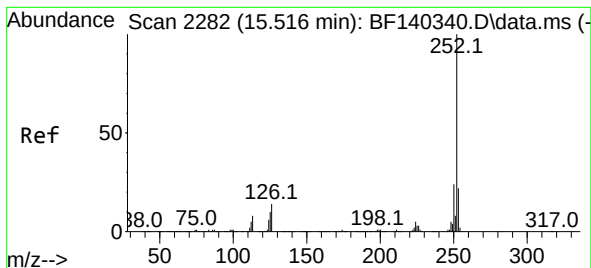
Tgt Ion:252 Resp: 102161
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 11.4 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 6.733 ng
RT: 15.110 min Scan# 2213
Delta R.T. -0.041 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:252 Resp: 102161
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 11.4 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 3.348 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

Instrument :

BNA_F

ClientSampleId :

COMP-3

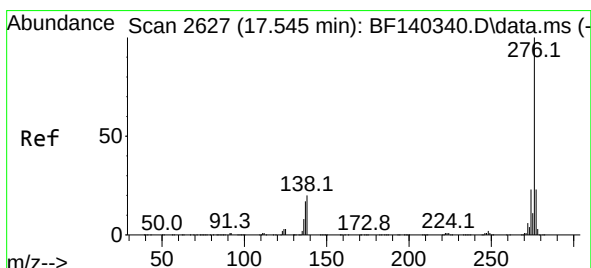
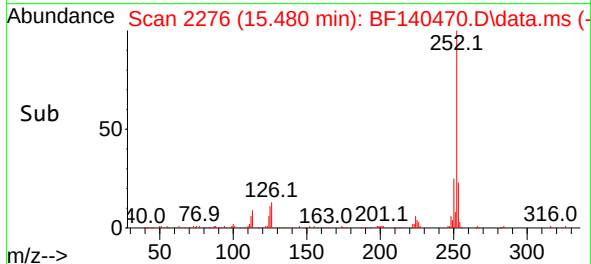
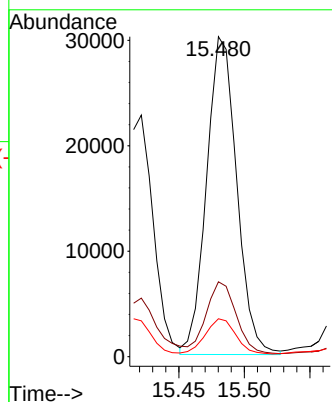
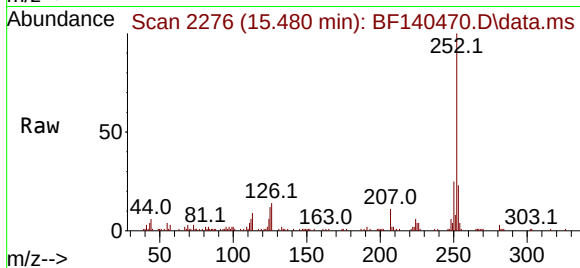
Tgt Ion:252 Resp: 48296

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 11.9 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 2.052 ng

RT: 17.504 min Scan# 2620

Delta R.T. -0.012 min

Lab File: BF140470.D

Acq: 19 Nov 2024 13:47

Tgt Ion:276 Resp: 30408

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 22.0 16.0 24.0

