

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140520.D
 Acq On : 21 Nov 2024 00:24
 Operator : RC/JU
 Sample : P4887-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-760

Quant Time: Nov 21 02:28:36 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)

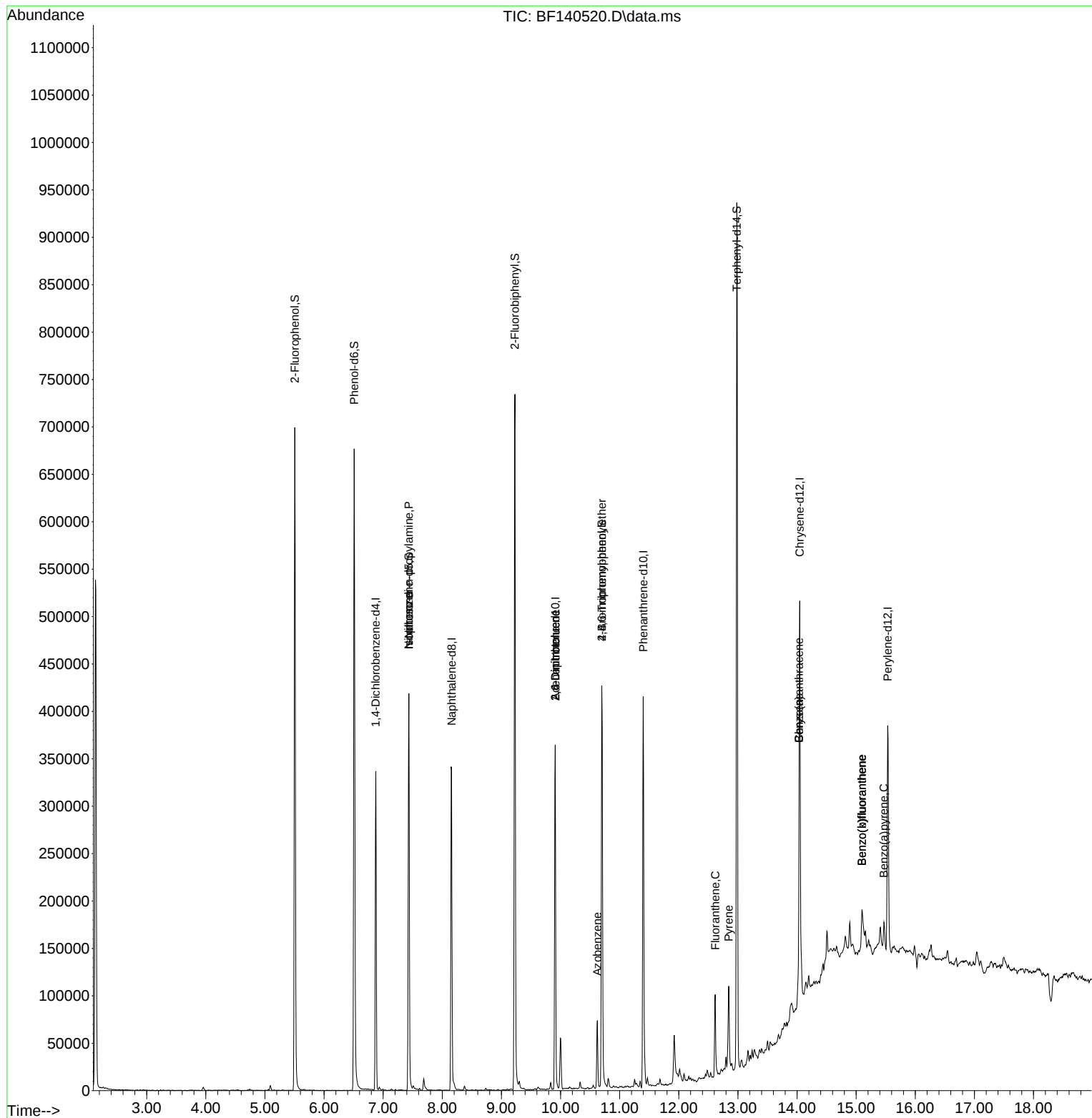
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69026	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	234123	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	112914	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	223703	20.000	ng	0.00
76) Chrysene-d12	14.045	240	191311	20.000	ng	0.00
86) Perylene-d12	15.533	264	143350	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	257988	63.814	ng	0.01
7) Phenol-d6	6.510	99	316387	57.763	ng	0.00
23) Nitrobenzene-d5	7.434	82	191054	42.518	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	75216	66.987	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	346653	49.353	ng	0.00
79) Terphenyl-d14	12.980	244	453816	41.175	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.434	70	25944	7.843	ng	# 75
25) Isophorone	7.434	82	184552	23.174	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	14399	8.582	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	14399	6.521	ng	# 21
63) Azobenzene	10.622	77	20202	2.717	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	4978	2.226	ng	# 1
75) Fluoranthene	12.616	202	50096	4.249	ng	99
78) Pyrene	12.845	202	51556	3.151	ng	98
81) Benzo(a)anthracene	14.033	228	28835	2.293	ng	96
83) Chrysene	14.033	228	28835	2.513	ng	95
88) Benzo(b)fluoranthene	15.098	252	32430	3.458	ng	# 89
89) Benzo(k)fluoranthene	15.098	252	32430	4.233	ng	# 88
90) Benzo(a)pyrene	15.469	252	16937	2.326	ng	# 86

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

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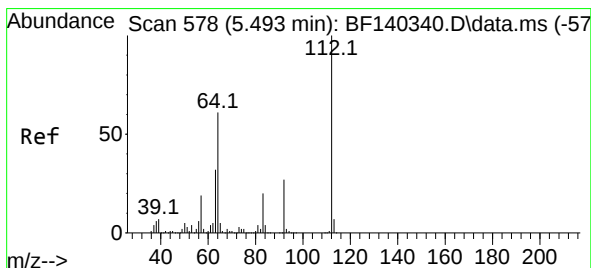
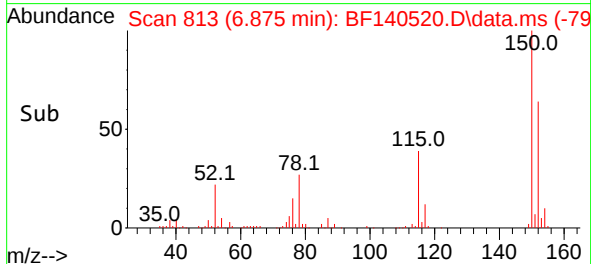
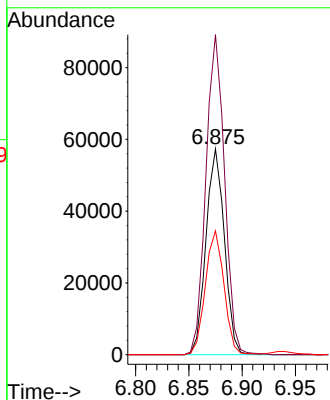
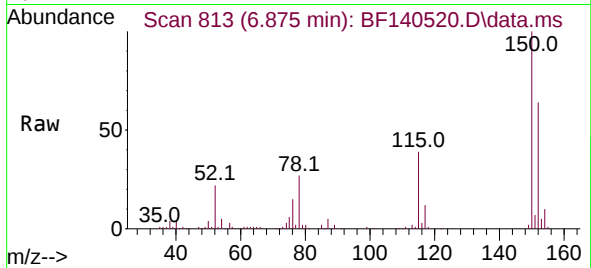




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

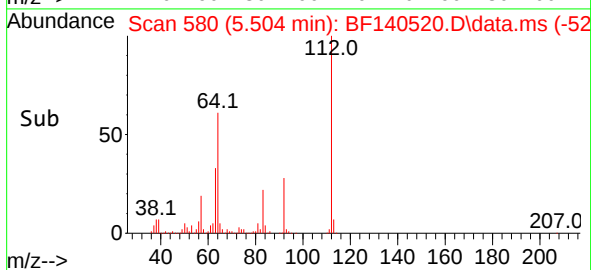
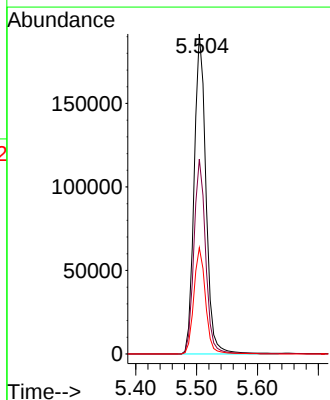
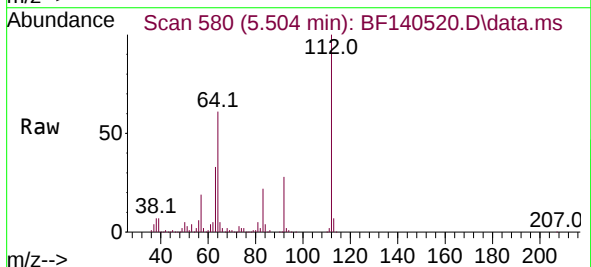
Instrument :
BNA_F
ClientSampleId :
MH-760

Tgt Ion:152 Resp: 69026
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.0
115 60.2 47.4 71.2



#5
2-Fluorophenol
Concen: 63.814 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Tgt Ion:112 Resp: 257988
Ion Ratio Lower Upper
112 100
64 60.9 49.2 73.8
63 33.2 25.6 38.4

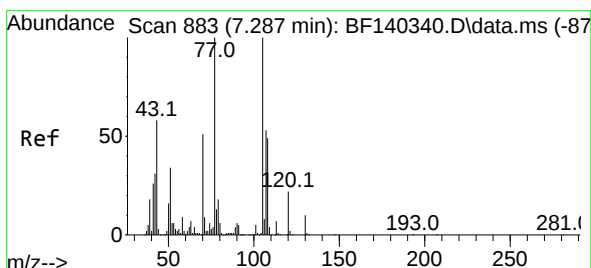
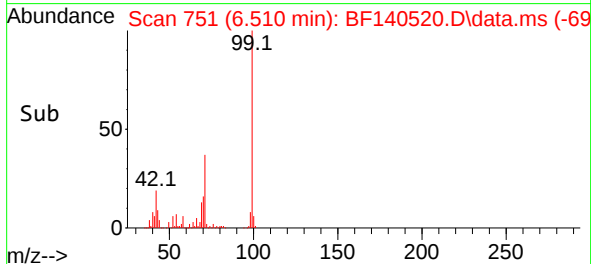
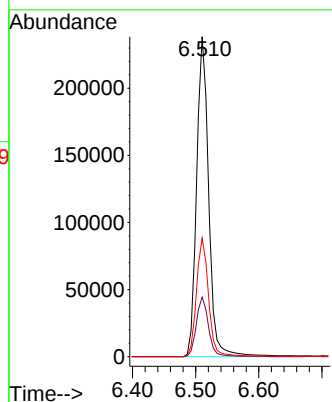
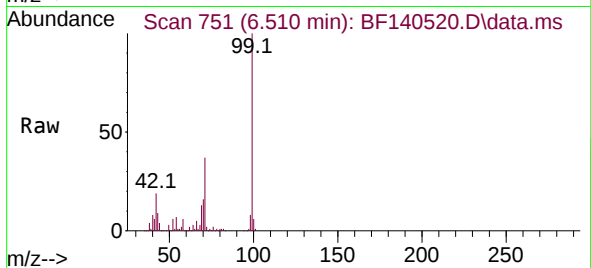




#7
Phenol-d6
Concen: 57.763 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

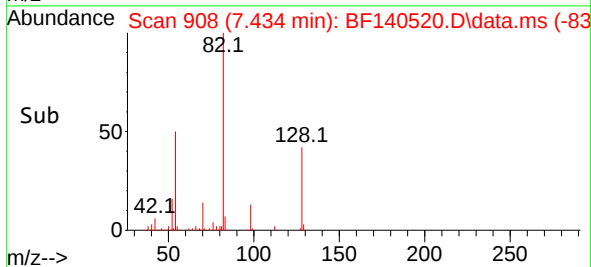
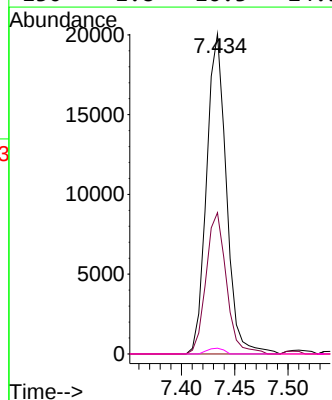
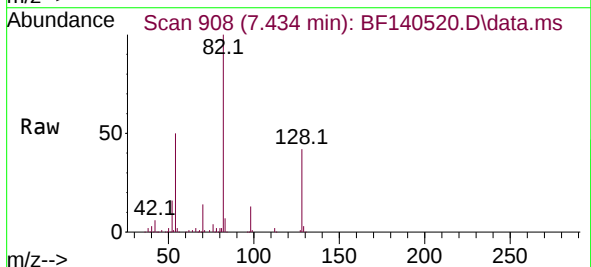
Instrument :
BNA_F
ClientSampleId :
MH-760

Tgt Ion: 99 Resp: 316387
Ion Ratio Lower Upper
99 100
42 18.7 15.1 22.7
71 37.1 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.843 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Tgt Ion: 70 Resp: 25944
Ion Ratio Lower Upper
70 100
42 44.2 46.8 70.2#
101 0.0 7.5 11.3#
130 1.8 16.3 24.5#



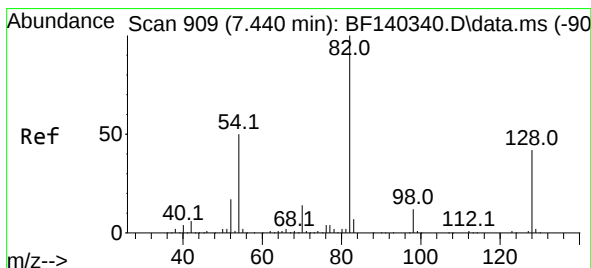
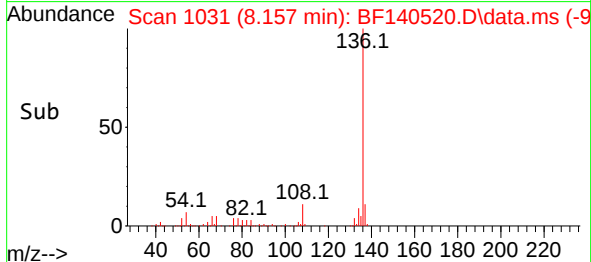
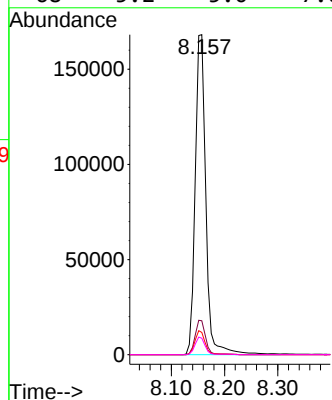
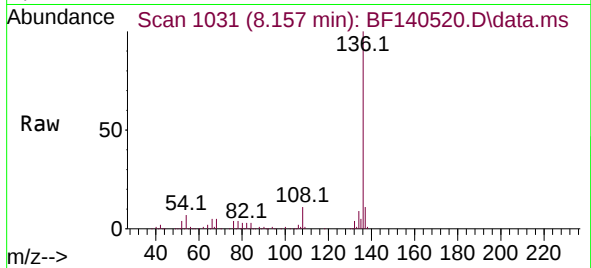


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Instrument :
BNA_F
ClientSampleId :
MH-760

Tgt Ion:136 Resp: 234123

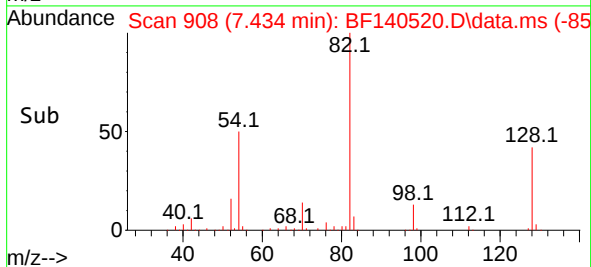
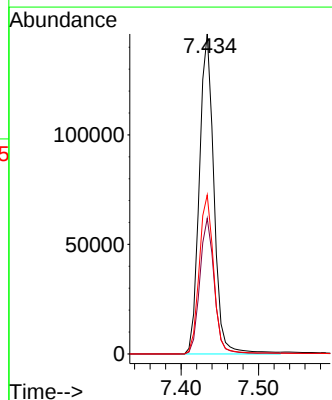
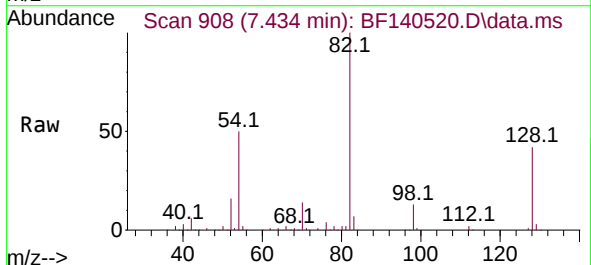
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	7.0	6.5	9.7
68	5.2	5.0	7.6



#23
Nitrobenzene-d5
Concen: 42.518 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Tgt Ion: 82 Resp: 191054

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	49.7	39.8	59.8

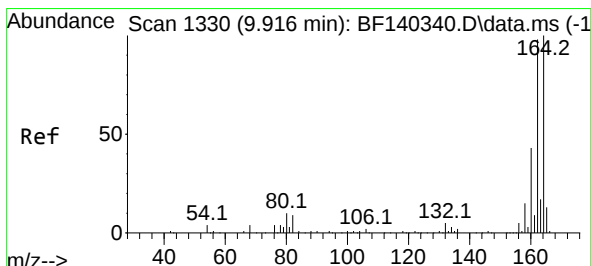
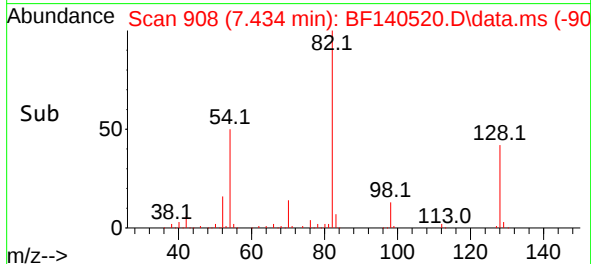
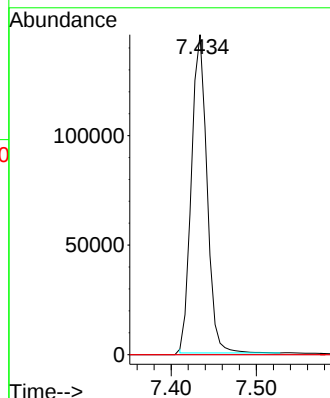
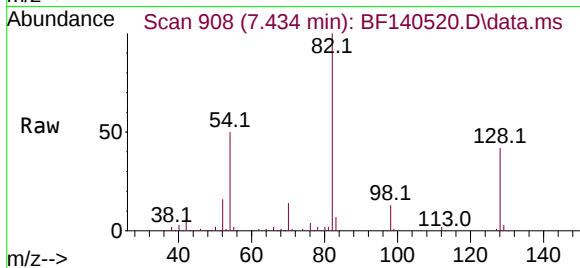




#25
Isophorone
Concen: 23.174 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

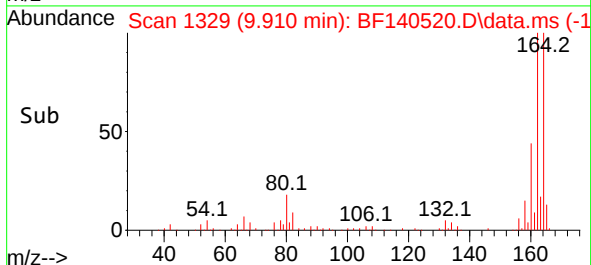
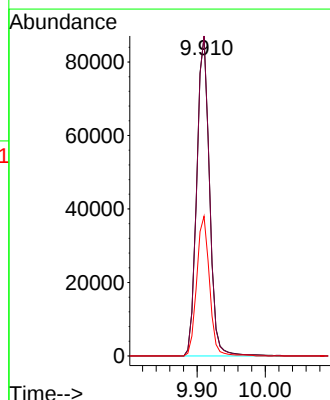
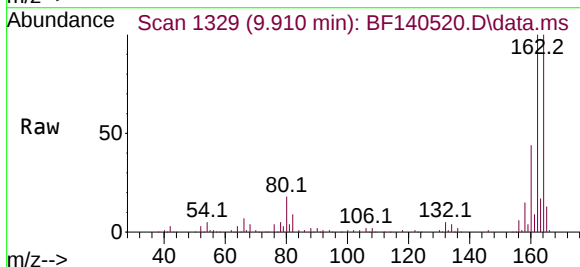
Instrument :
BNA_F
ClientSampleId :
MH-760

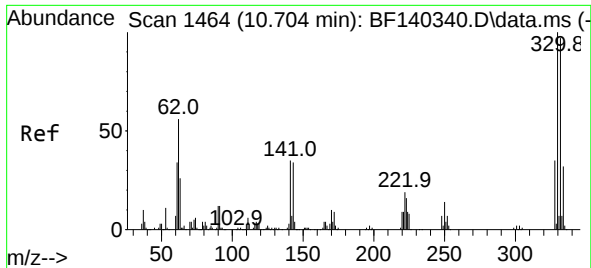
Tgt Ion: 82 Resp: 184552
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Tgt Ion:164 Resp: 112914
Ion Ratio Lower Upper
164 100
162 100.3 79.8 119.8
160 43.8 35.4 53.0

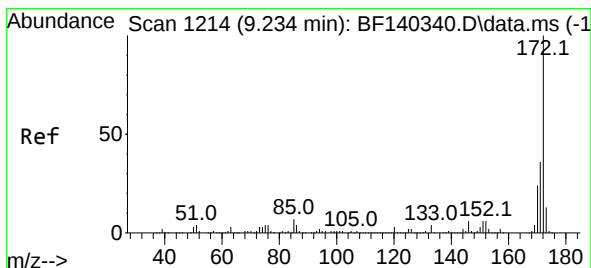
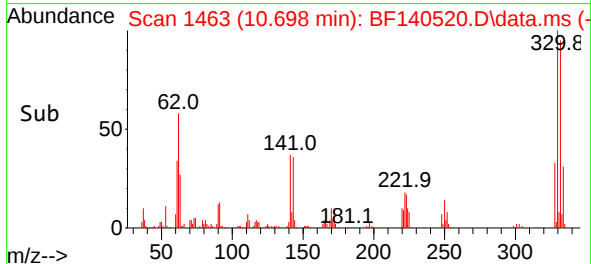
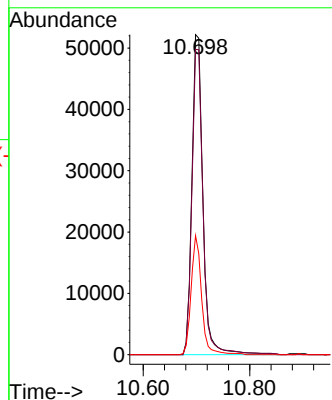
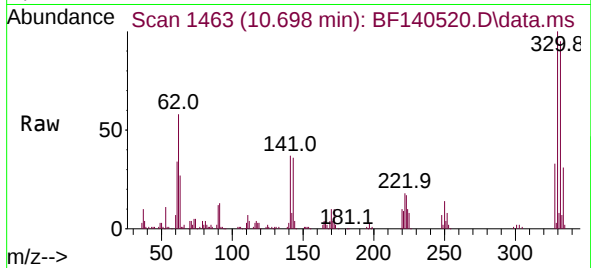




#42
2,4,6-Tribromophenol
Concen: 66.987 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

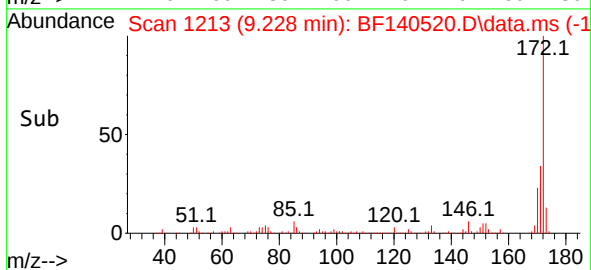
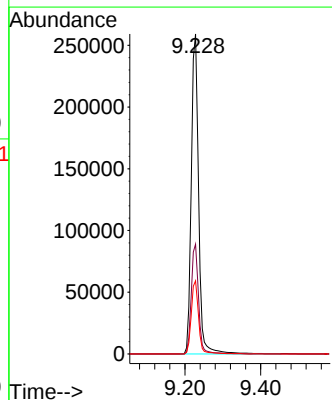
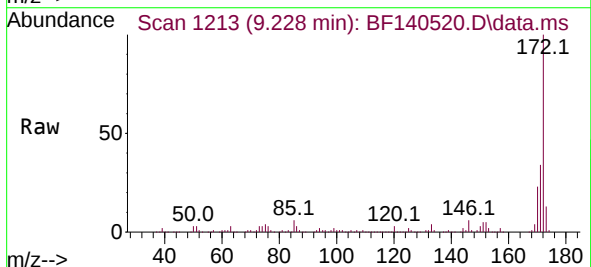
Instrument :
BNA_F
ClientSampleId :
MH-760

Tgt Ion:330 Resp: 75216
Ion Ratio Lower Upper
330 100
332 96.2 75.9 113.9
141 35.4 26.9 40.3



#45
2-Fluorobiphenyl
Concen: 49.353 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Tgt Ion:172 Resp: 346653
Ion Ratio Lower Upper
172 100
171 34.3 28.5 42.7
170 22.8 19.1 28.7

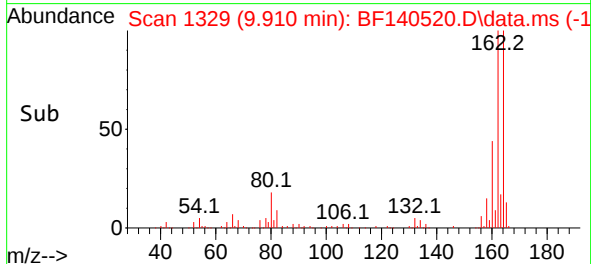
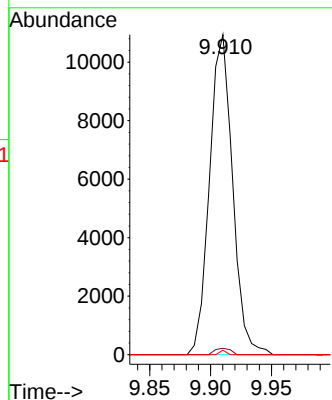
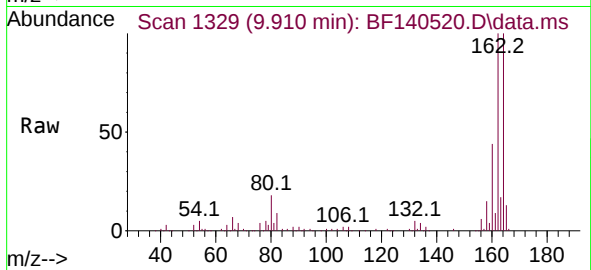




#51
2,6-Dinitrotoluene
Concen: 8.582 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

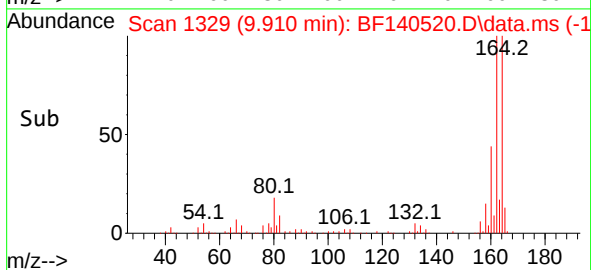
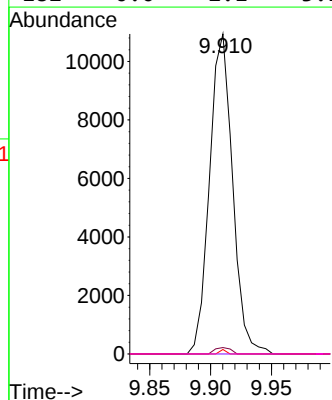
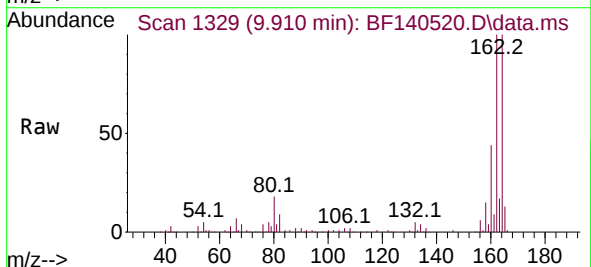
Instrument :
BNA_F
ClientSampleId :
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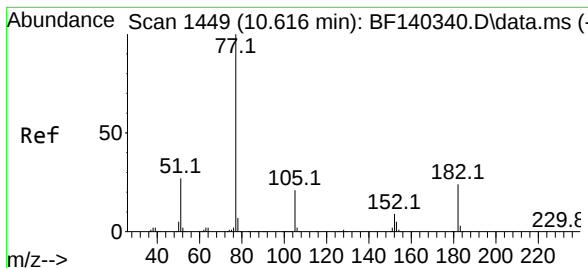
Tgt Ion:165 Resp: 14399
Ion Ratio Lower Upper
165 100
63 2.0 47.6 71.4#
89 1.4 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.521 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Tgt Ion:165 Resp: 14399
Ion Ratio Lower Upper
165 100
63 2.0 39.4 59.0#
89 1.4 62.4 93.6#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.717 ng

RT: 10.622 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF140520.D

Acq: 21 Nov 2024 00:24

Instrument :

BNA_F

ClientSampleId :

MH-760

Tgt Ion: 77 Resp: 20202

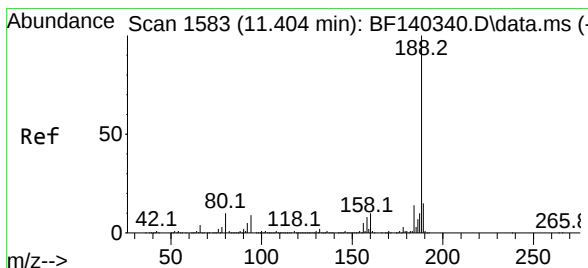
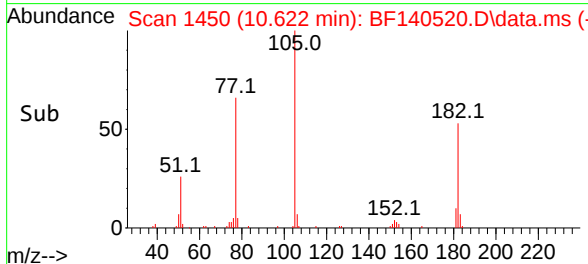
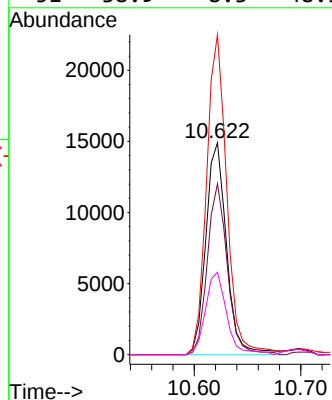
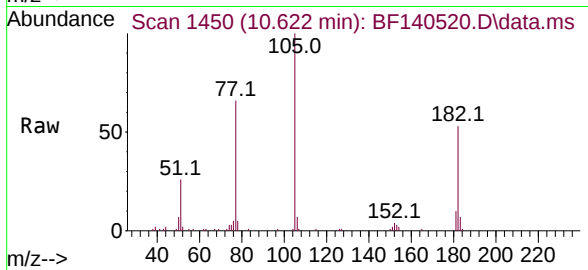
Ion Ratio Lower Upper

77 100

182 80.6 4.6 44.6#

105 150.9 0.9 40.9#

51 38.9 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: BF140520.D

Acq: 21 Nov 2024 00:24

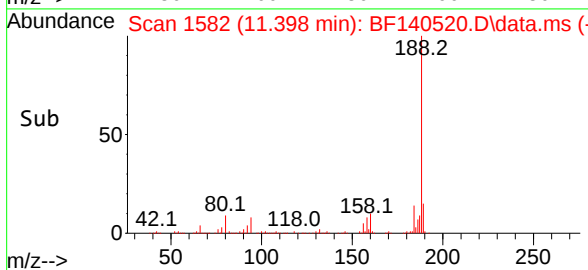
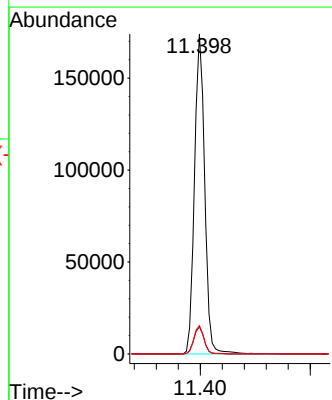
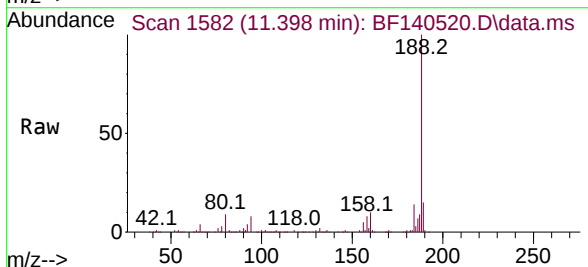
Tgt Ion:188 Resp: 223703

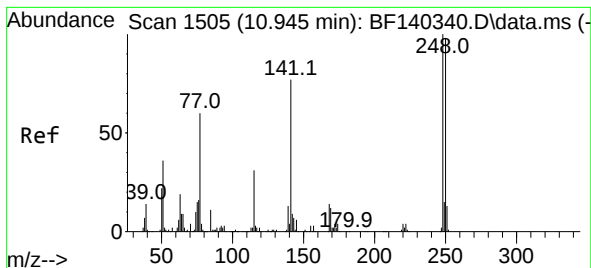
Ion Ratio Lower Upper

188 100

94 8.4 7.6 11.4

80 8.8 8.0 12.0

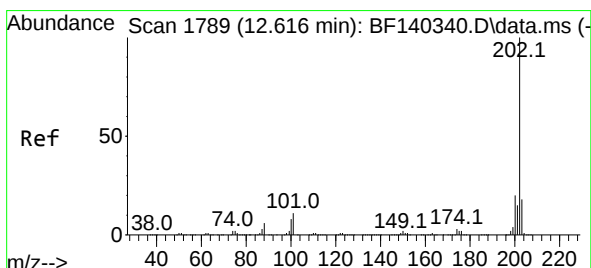
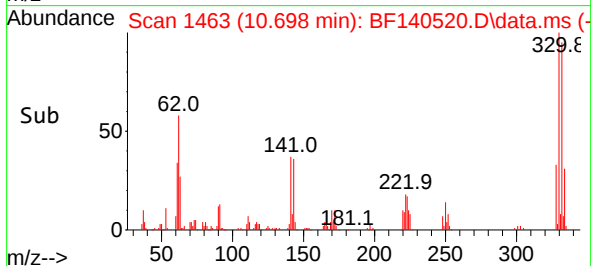
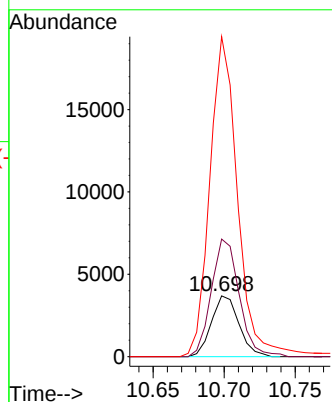
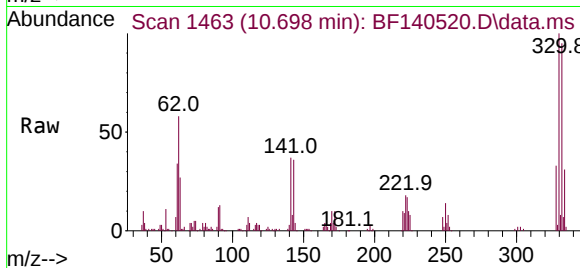




#67
4-Bromophenyl-phenylether
Concen: 2.226 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

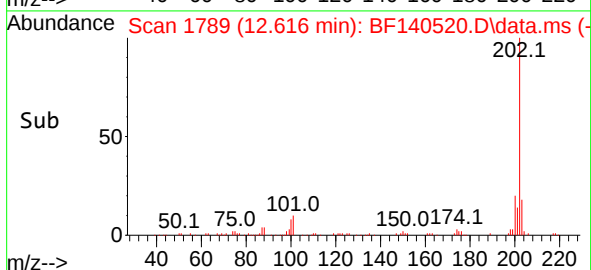
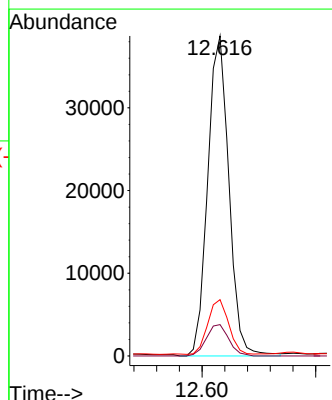
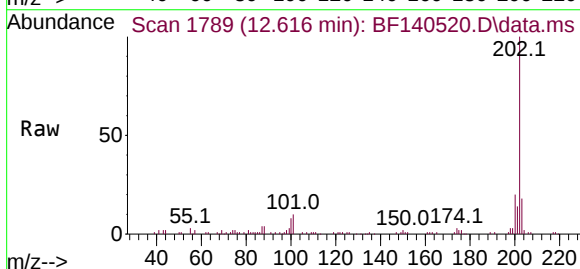
Instrument :
BNA_F
ClientSampleId :
MH-760

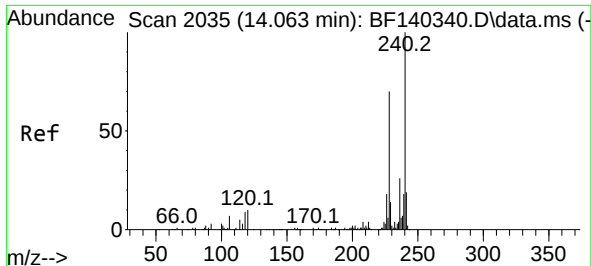
Tgt Ion:248 Resp: 4978
Ion Ratio Lower Upper
248 100
250 193.5 77.9 116.9#
141 526.3 61.8 92.6#



#75
Fluoranthene
Concen: 4.249 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Tgt Ion:202 Resp: 50096
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.7
203 17.6 0.0 37.7

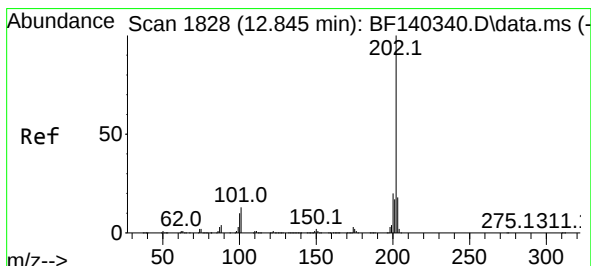
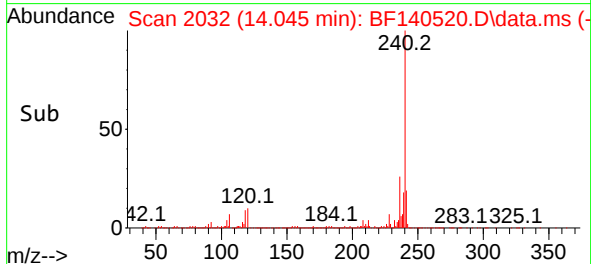
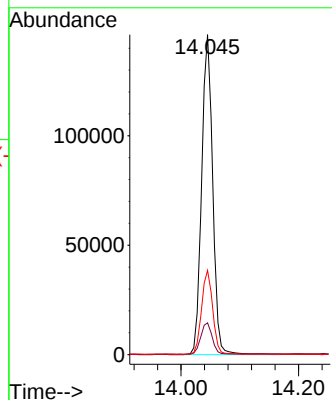
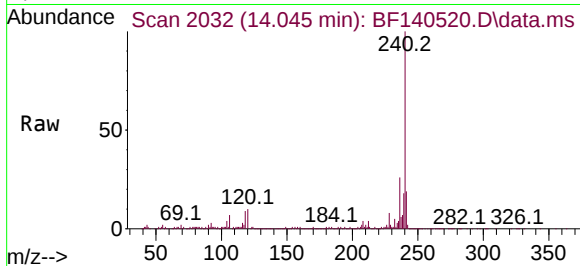




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

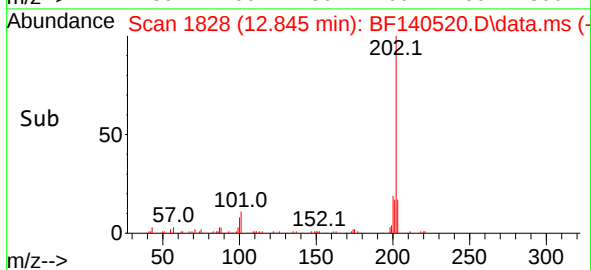
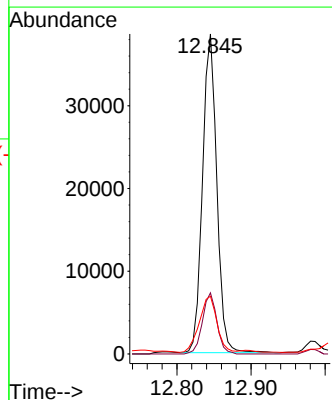
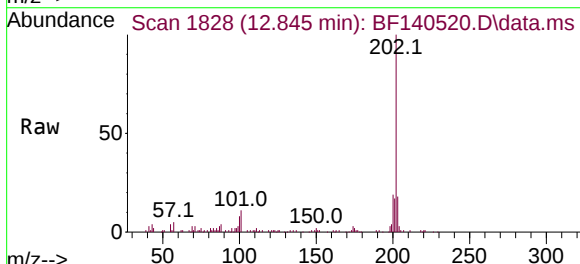
Instrument :
BNA_F
ClientSampleId :
MH-760

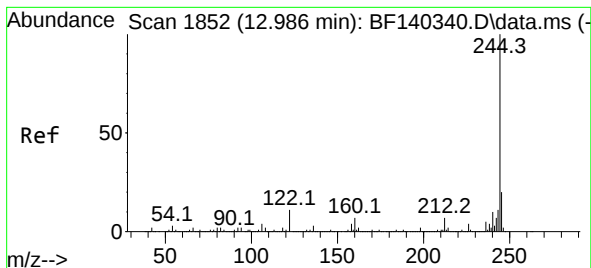
Tgt Ion:240 Resp: 191311
Ion Ratio Lower Upper
240 100
120 10.0 8.8 13.2
236 26.3 20.9 31.3



#78
Pyrene
Concen: 3.151 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Tgt Ion:202 Resp: 51556
Ion Ratio Lower Upper
202 100
200 19.1 16.2 24.2
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 41.175 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140520.D

Acq: 21 Nov 2024 00:24

Instrument :

BNA_F

ClientSampleId :

MH-760

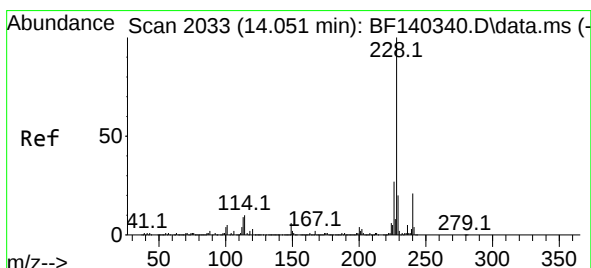
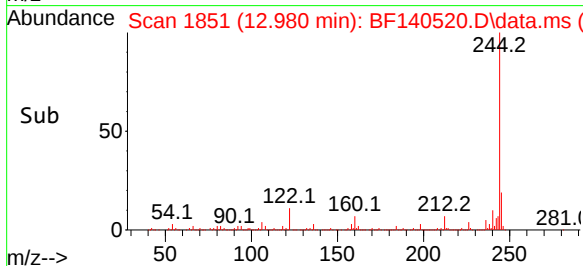
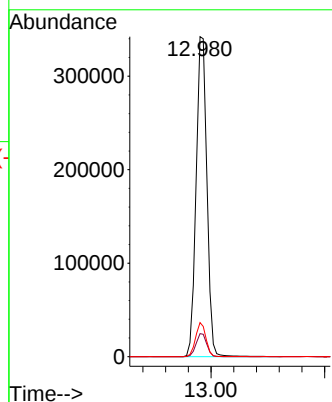
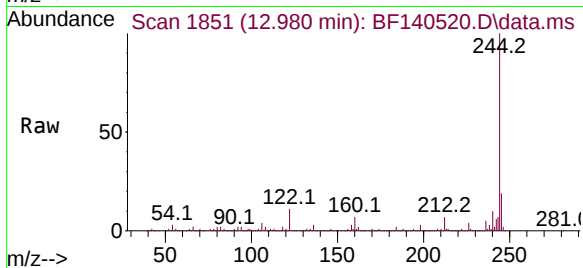
Tgt Ion:244 Resp: 453816

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.7 8.8 13.2



#81

Benzo(a)anthracene

Concen: 2.293 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140520.D

Acq: 21 Nov 2024 00:24

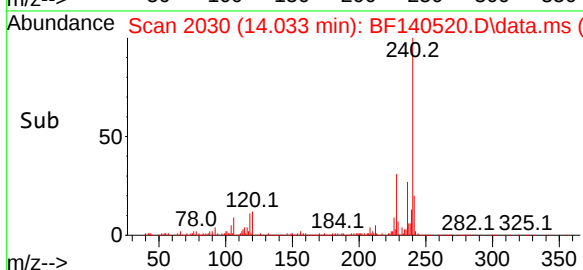
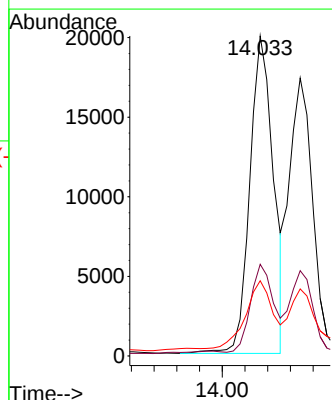
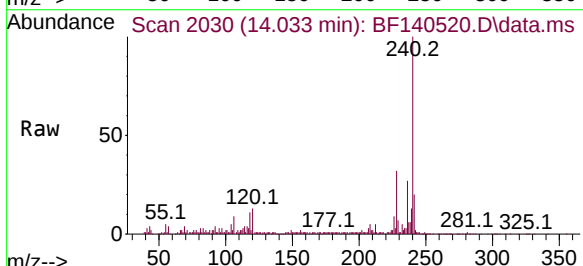
Tgt Ion:228 Resp: 28835

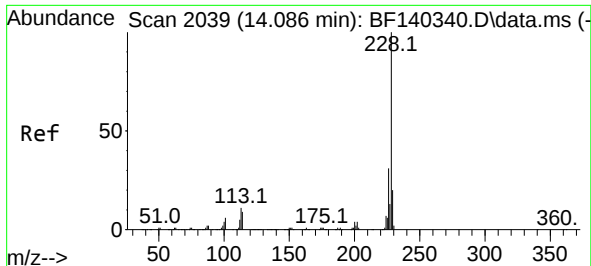
Ion Ratio Lower Upper

228 100

226 28.6 22.2 33.4

229 23.5 15.8 23.6

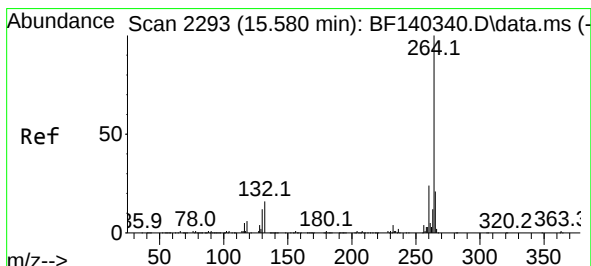
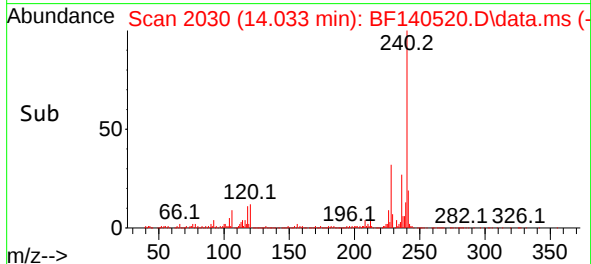
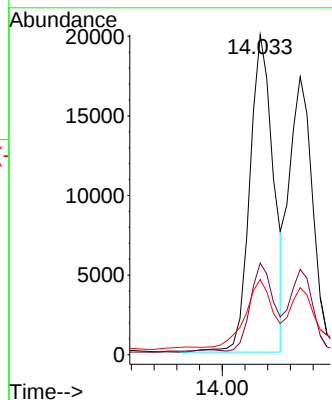
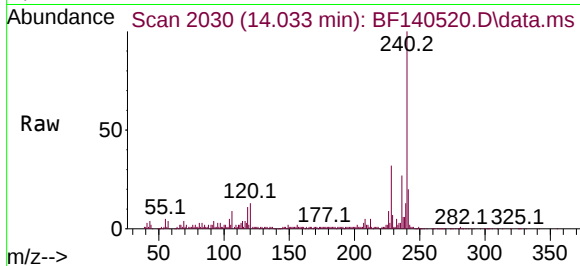




#83
Chrysene
Concen: 2.513 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.047 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

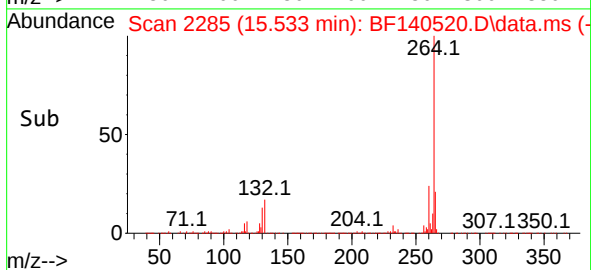
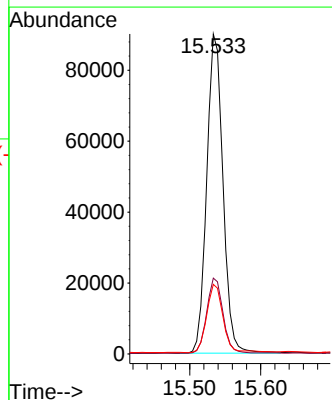
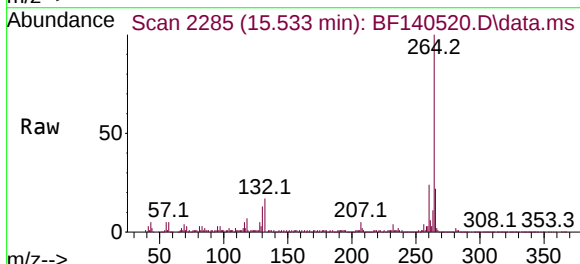
Instrument :
BNA_F
ClientSampleId :
MH-760

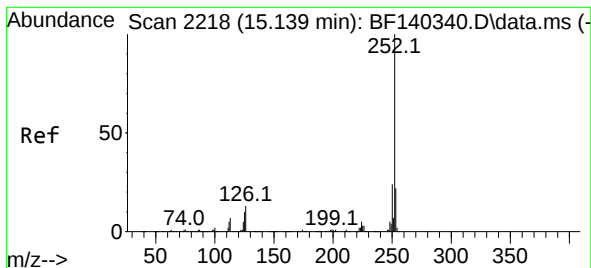
Tgt Ion:	228	Resp:	28835
Ion Ratio	Lower	Upper	
228	100		
226	28.6	24.5	36.7
229	23.5	16.0	24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.023 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Tgt Ion:	264	Resp:	143350
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.8	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 3.458 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.018 min

Lab File: BF140520.D

Acq: 21 Nov 2024 00:24

Instrument :

BNA_F

ClientSampleId :

MH-760

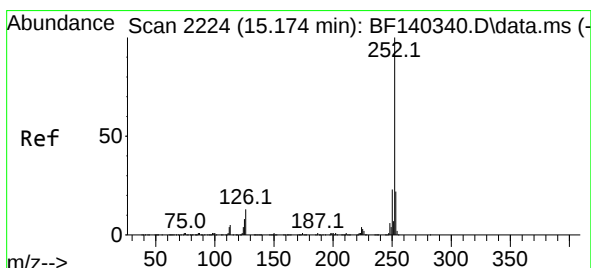
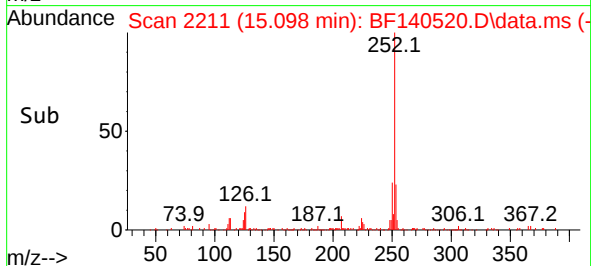
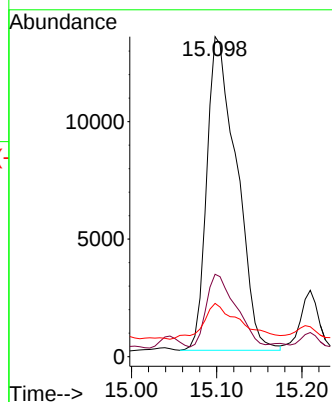
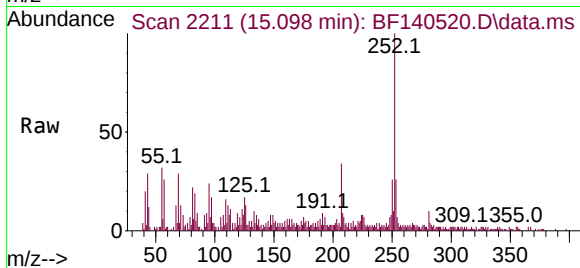
Tgt Ion:252 Resp: 32430

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 16.7 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 4.233 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.053 min

Lab File: BF140520.D

Acq: 21 Nov 2024 00:24

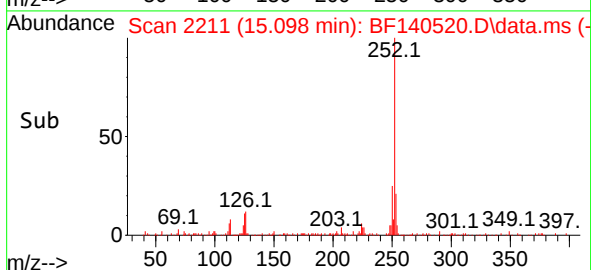
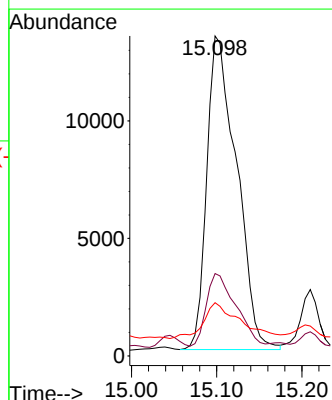
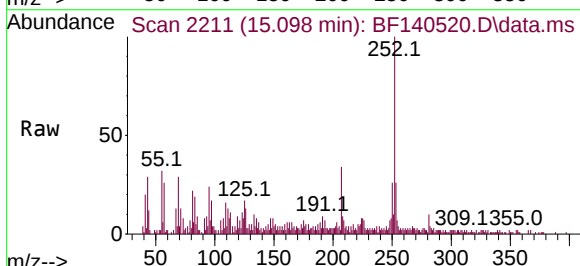
Tgt Ion:252 Resp: 32430

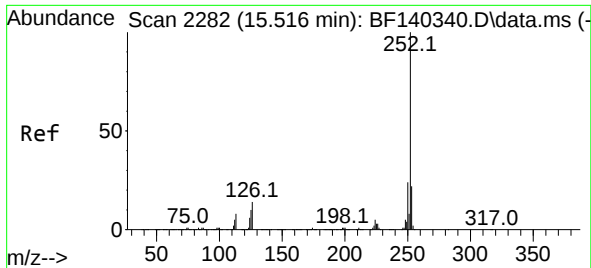
Ion Ratio Lower Upper

252 100

253 25.7 17.3 25.9

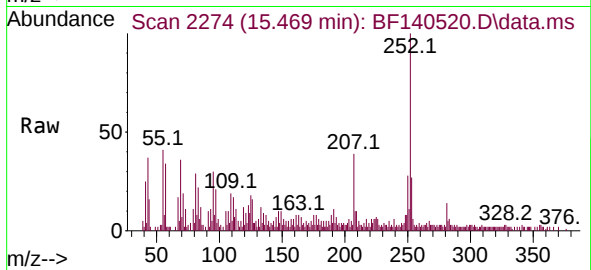
125 16.7 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 2.326 ng
RT: 15.469 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF140520.D
Acq: 21 Nov 2024 00:24

Instrument :
BNA_F
ClientSampleId :
MH-760



Tgt Ion:252 Resp: 16937
Ion Ratio Lower Upper
252 100
253 27.5 17.8 26.6#
125 17.5 8.4 12.6#

