

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140474.D
 Acq On : 19 Nov 2024 15:32
 Operator : RC/JU
 Sample : P4771-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-2

Quant Time: Nov 19 15:54:42 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)

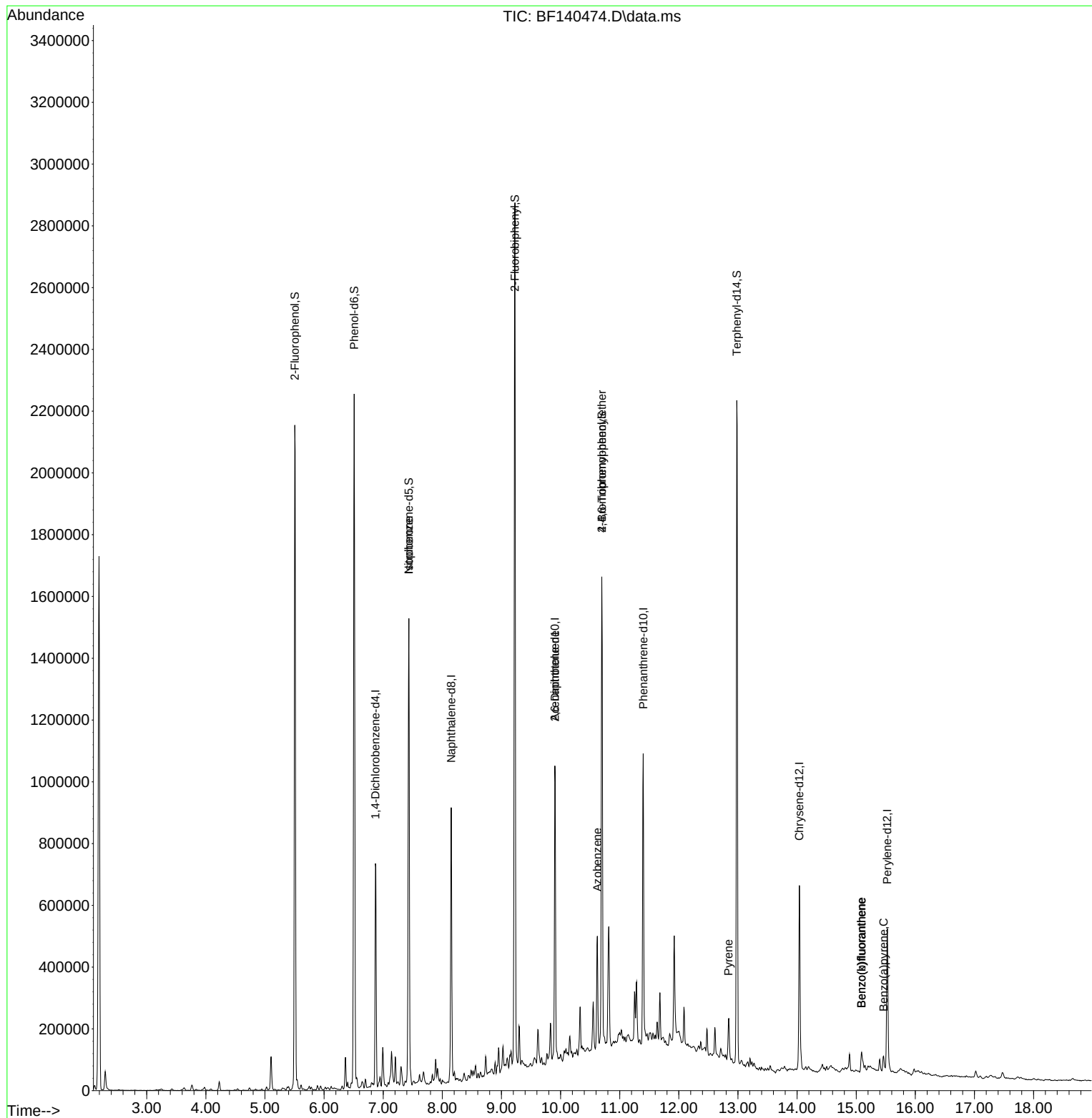
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	147130	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	564055	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	300744	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	495297	20.000	ng	0.00
76) Chrysene-d12	14.039	240	267729	20.000	ng	-0.01
86) Perylene-d12	15.527	264	276612	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	830134	96.334	ng	0.01
7) Phenol-d6	6.510	99	1117927	95.754	ng	0.00
23) Nitrobenzene-d5	7.434	82	723199	66.803	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	268840	89.893	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1314291	70.252	ng	0.00
79) Terphenyl-d14	12.980	244	1080286	70.039	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.434	82	713580	37.192	ng	# 67
51) 2,6-Dinitrotoluene	9.904	165	38554	8.627	ng	# 23
63) Azobenzene	10.622	77	98757	4.986	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	18200	3.676	ng	# 1
78) Pyrene	12.839	202	63202	2.760	ng	# 98
88) Benzo(b)fluoranthene	15.092	252	55698	3.078	ng	# 98
89) Benzo(k)fluoranthene	15.092	252	55698	3.768	ng	# 98
90) Benzo(a)pyrene	15.462	252	28841	2.052	ng	# 95

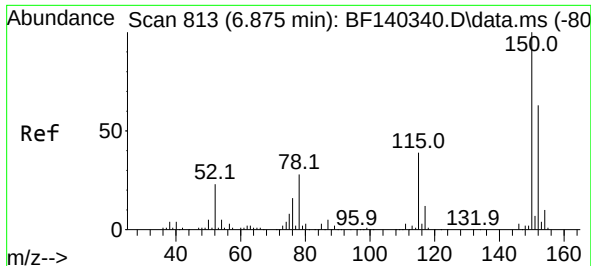
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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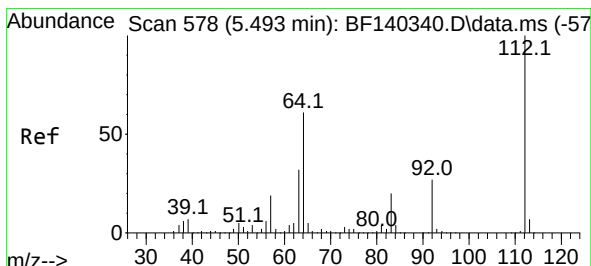
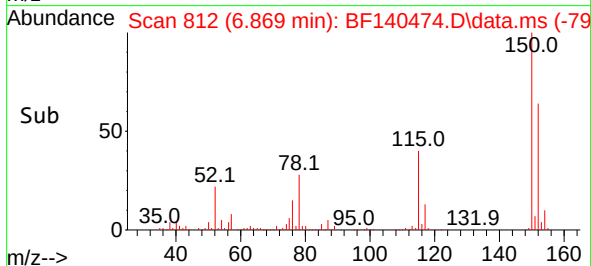
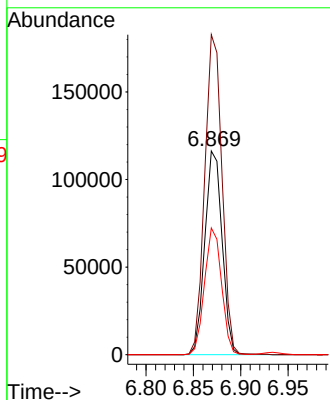
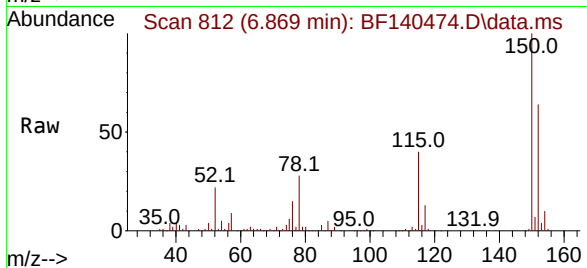




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

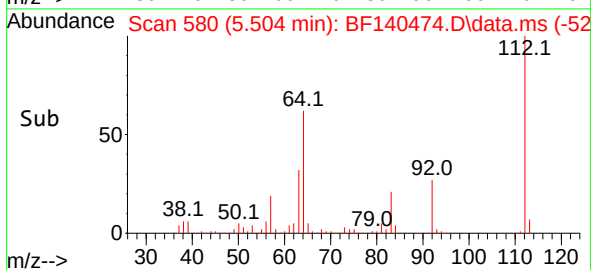
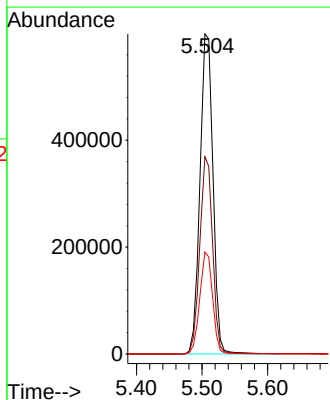
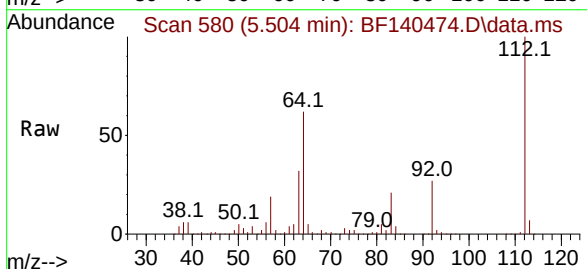
Instrument :
BNA_F
ClientSampleId :
P-2

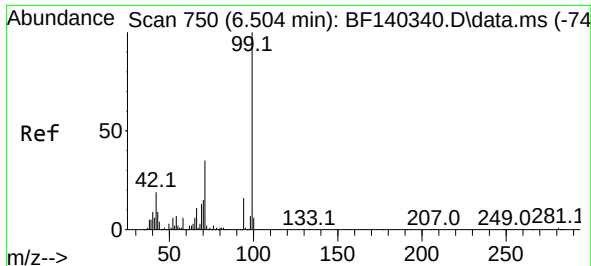
Tgt Ion:152 Resp: 147130
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.0
115 62.2 47.4 71.2



#5
2-Fluorophenol
Concen: 96.334 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

Tgt Ion:112 Resp: 830134
Ion Ratio Lower Upper
112 100
64 61.6 49.2 73.8
63 31.9 25.6 38.4





#7

Phenol-d6

Concen: 95.754 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Instrument :

BNA_F

ClientSampleId :

P-2

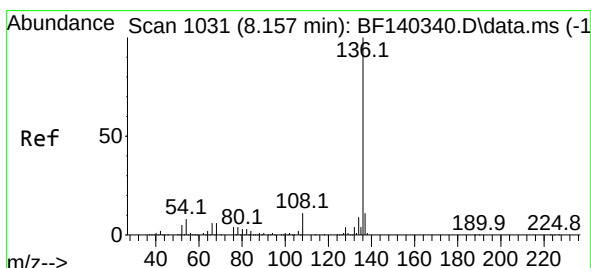
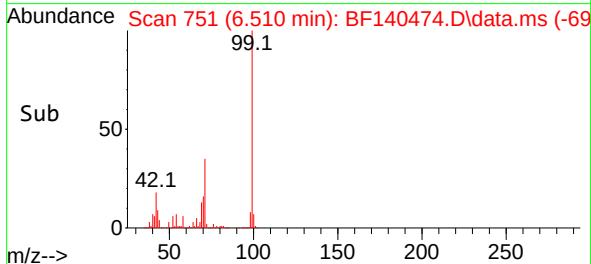
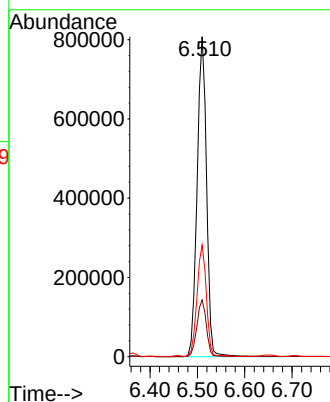
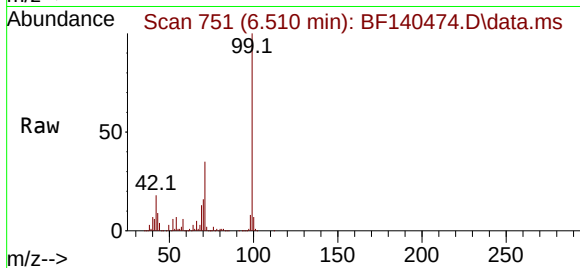
Tgt Ion: 99 Resp: 1117927

Ion Ratio Lower Upper

99 100

42 17.7 15.1 22.7

71 34.8 27.9 41.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Tgt Ion: 136 Resp: 564055

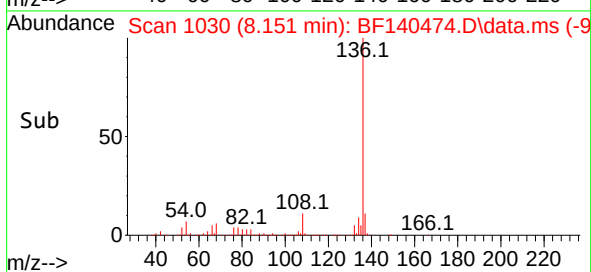
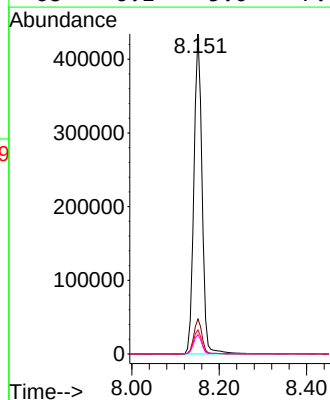
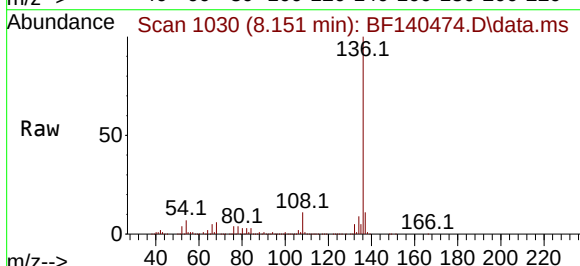
Ion Ratio Lower Upper

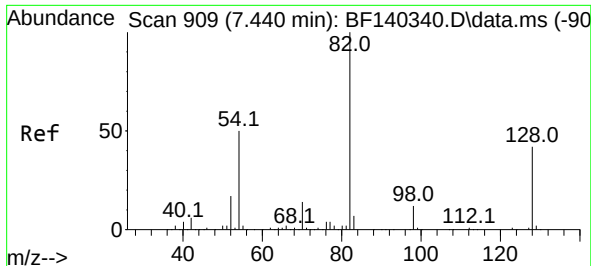
136 100

137 11.0 8.7 13.1

54 7.5 6.5 9.7

68 6.1 5.0 7.6

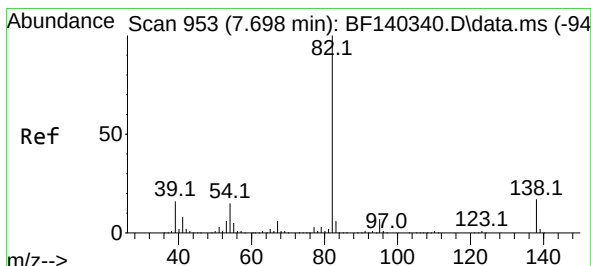
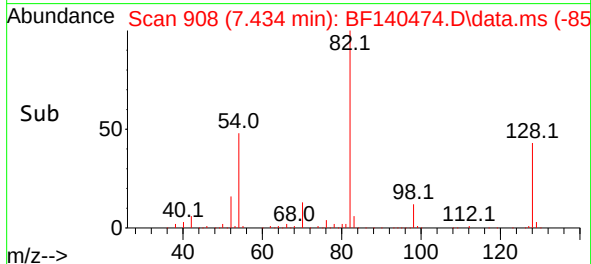
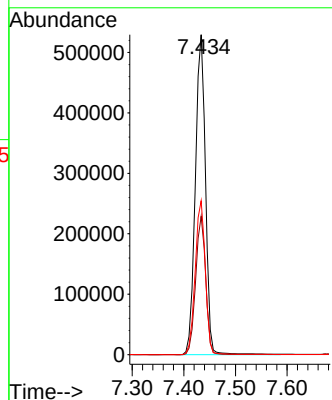
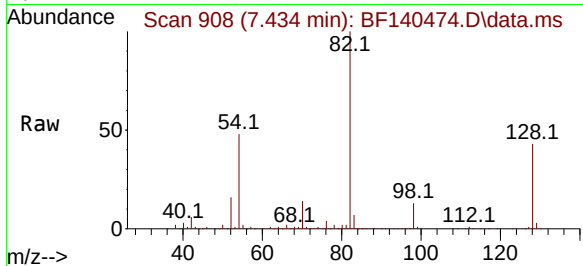




#23
Nitrobenzene-d5
Concen: 66.803 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

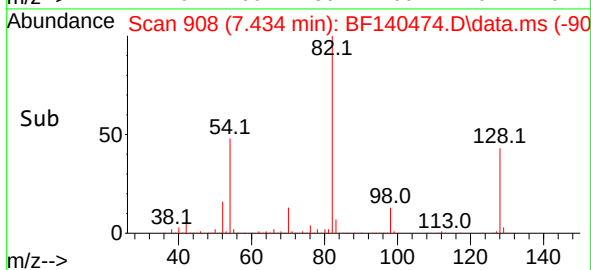
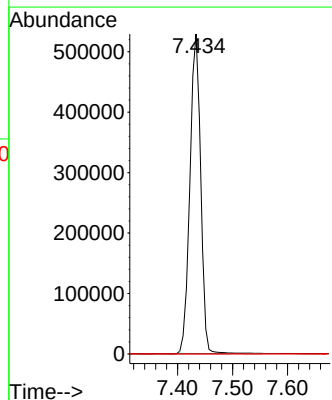
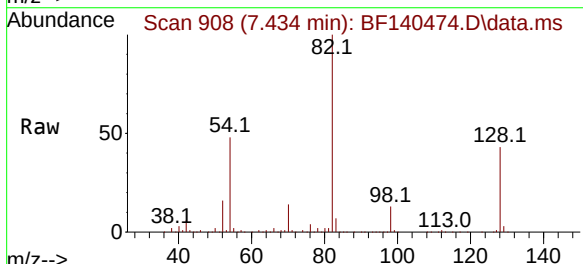
Instrument :
BNA_F
ClientSampleId :
P-2

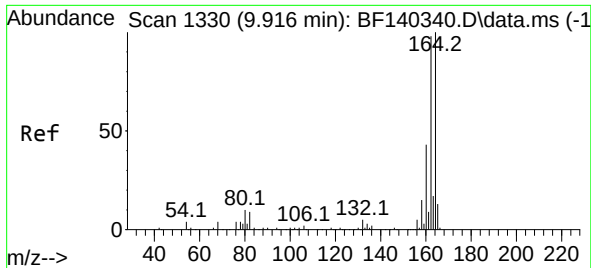
Tgt Ion: 82 Resp: 723199
Ion Ratio Lower Upper
82 100
128 43.2 33.3 49.9
54 48.1 39.8 59.8



#25
Isophorone
Concen: 37.192 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

Tgt Ion: 82 Resp: 713580
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 13.4 20.2#

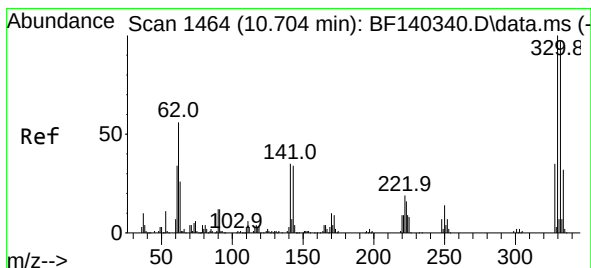
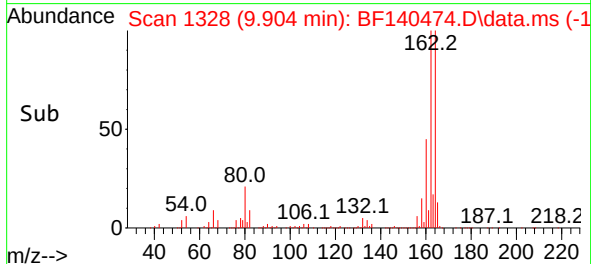
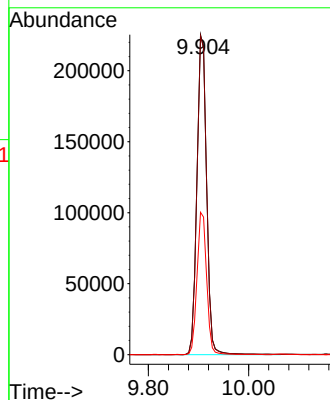
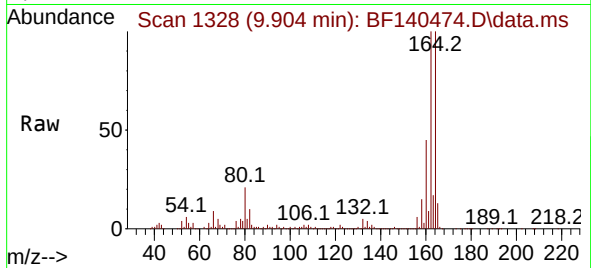




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

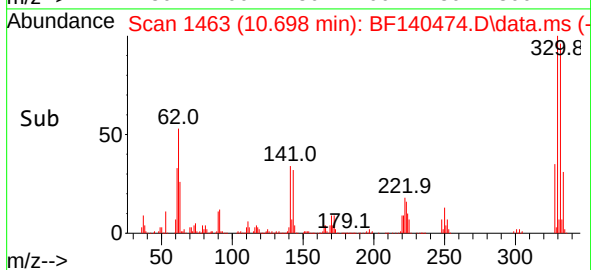
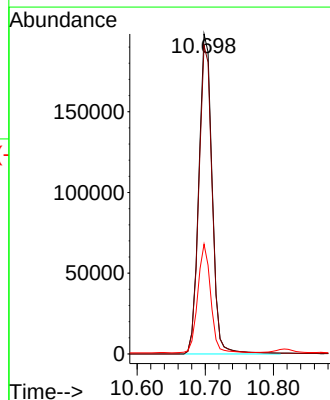
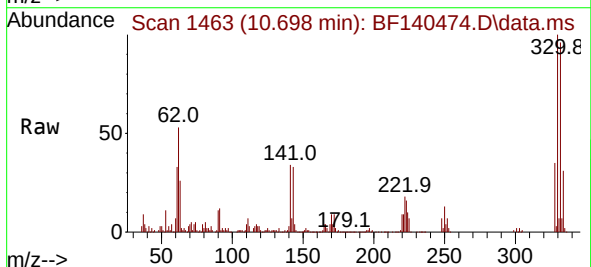
Instrument :
BNA_F
ClientSampleId :
P-2

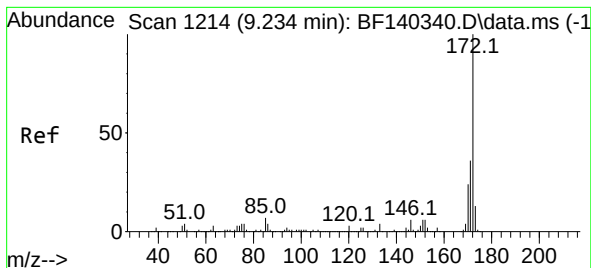
Tgt Ion:164 Resp: 300744
Ion Ratio Lower Upper
164 100
162 99.7 79.8 119.8
160 44.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 89.893 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

Tgt Ion:330 Resp: 268840
Ion Ratio Lower Upper
330 100
332 96.9 75.9 113.9
141 33.0 26.9 40.3





#45

2-Fluorobiphenyl

Concen: 70.252 ng

RT: 9.228 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Instrument :

BNA_F

ClientSampleId :

P-2

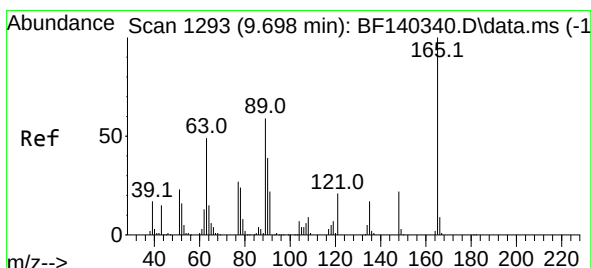
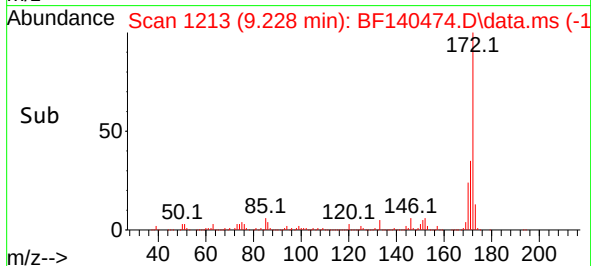
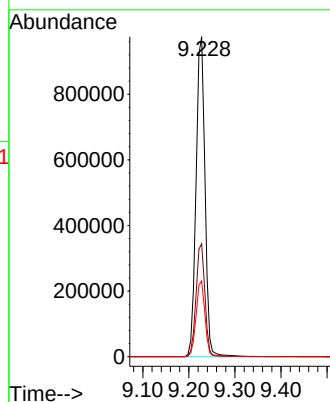
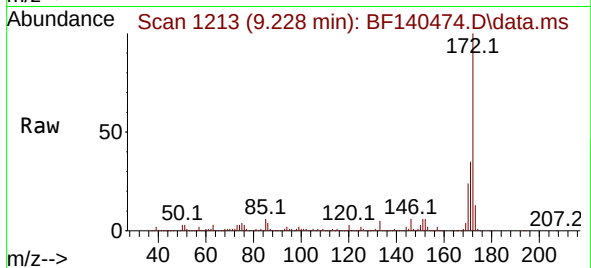
Tgt Ion:172 Resp: 1314291

Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.627 ng

RT: 9.904 min Scan# 1328

Delta R.T. 0.206 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

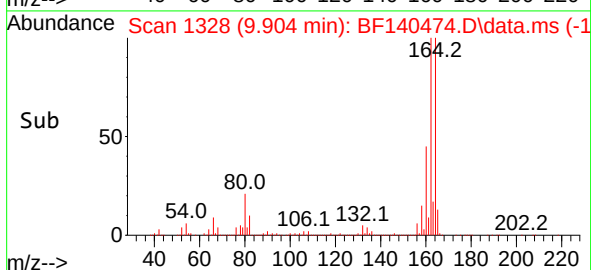
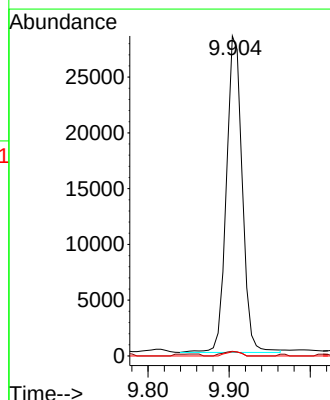
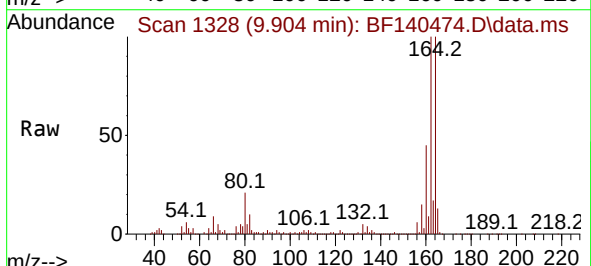
Tgt Ion:165 Resp: 38554

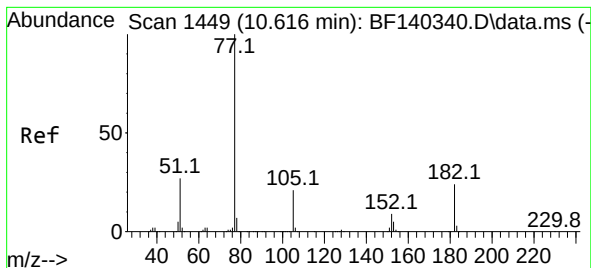
Ion Ratio Lower Upper

165 100

63 1.5 47.6 71.4#

89 1.3 48.1 72.1#





#63

Azobenzene

Concen: 4.986 ng

RT: 10.622 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Instrument :

BNA_F

ClientSampleId :

P-2

Tgt Ion: 77 Resp: 98757

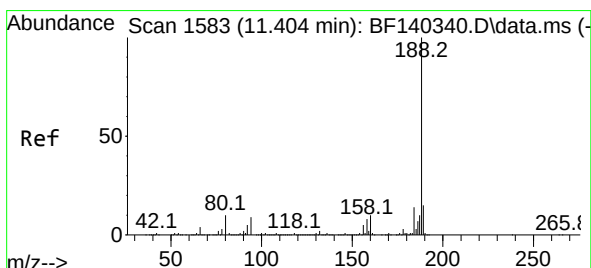
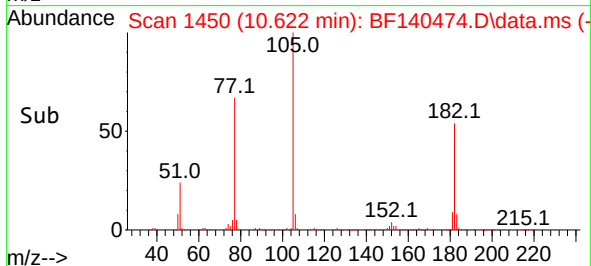
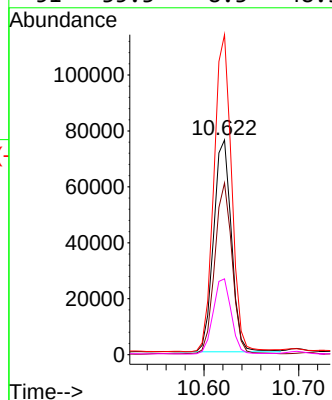
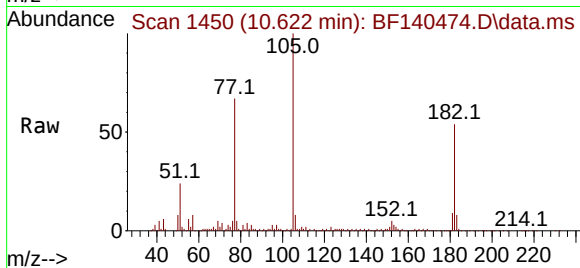
Ion Ratio Lower Upper

77 100

182 79.9 4.6 44.6#

105 149.0 0.9 40.9#

51 35.3 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: BF140474.D

Acq: 19 Nov 2024 15:32

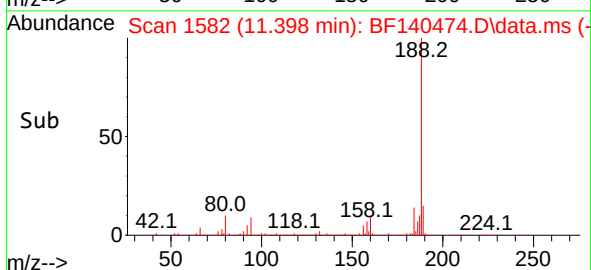
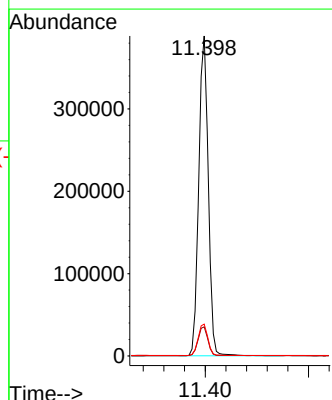
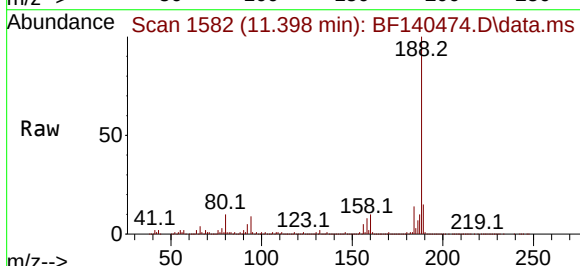
Tgt Ion: 188 Resp: 495297

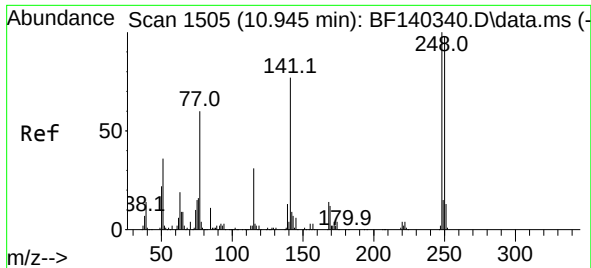
Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

80 10.0 8.0 12.0

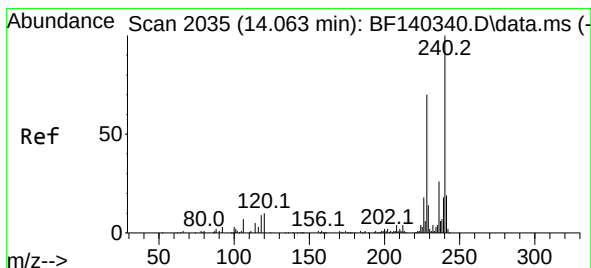
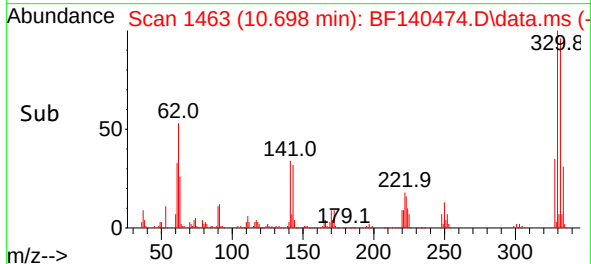
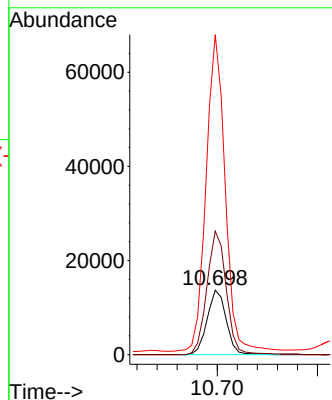
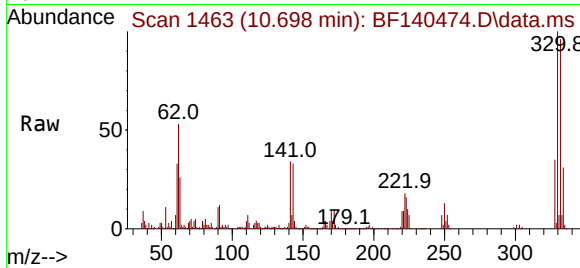




#67
4-Bromophenyl-phenylether
Concen: 3.676 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

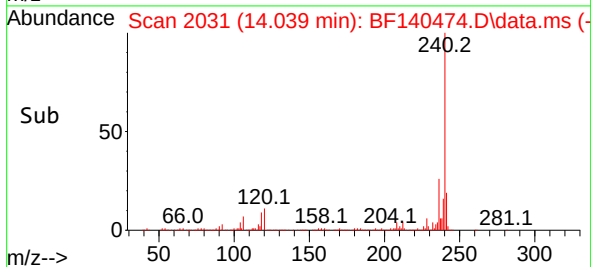
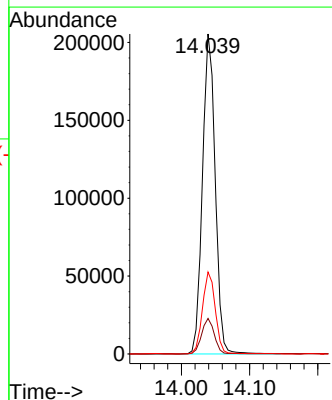
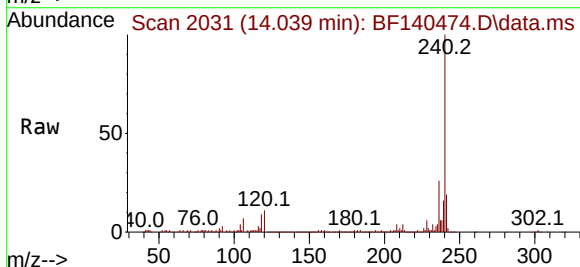
Instrument :
BNA_F
ClientSampleId :
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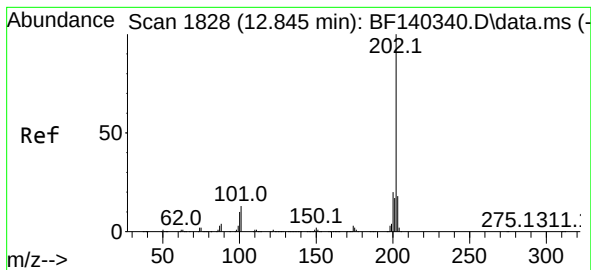
Tgt Ion:248 Resp: 18200
Ion Ratio Lower Upper
248 100
250 191.5 77.9 116.9#
141 495.8 61.8 92.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

Tgt Ion:240 Resp: 267729
Ion Ratio Lower Upper
240 100
120 11.1 8.8 13.2
236 25.6 20.9 31.3





#78

Pyrene

Concen: 2.760 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Instrument :

BNA_F

ClientSampleId :

P-2

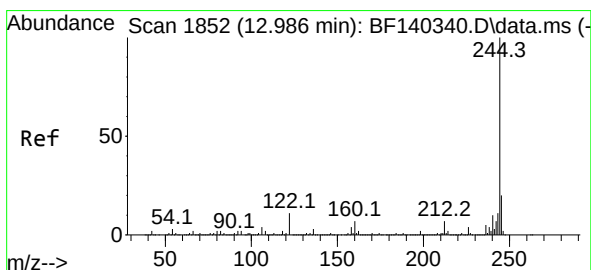
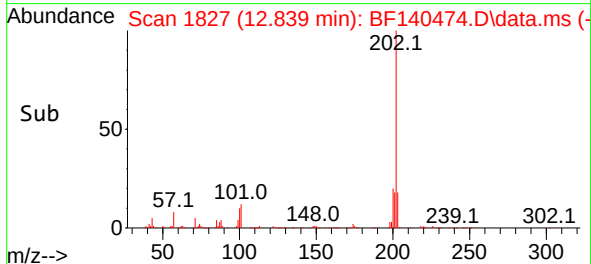
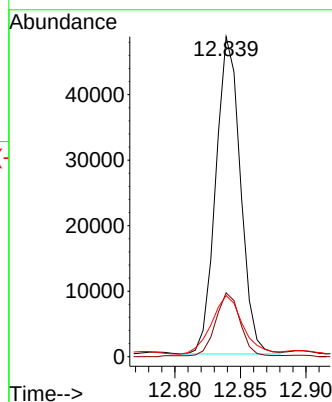
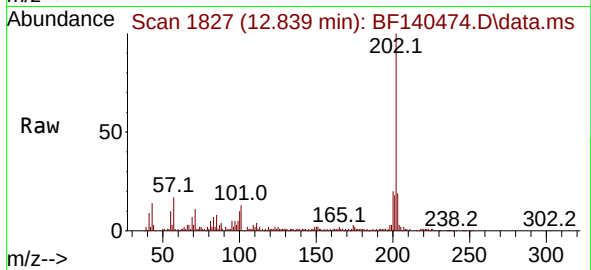
Tgt Ion:202 Resp: 63202

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 19.1 14.2 21.4



#79

Terphenyl-d14

Concen: 70.039 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

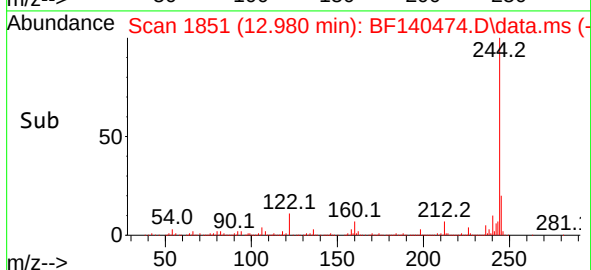
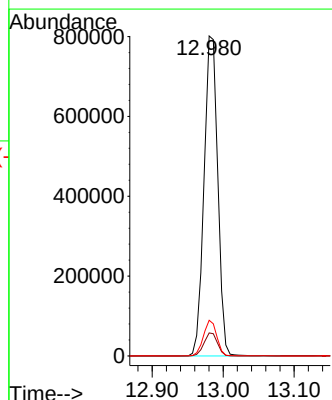
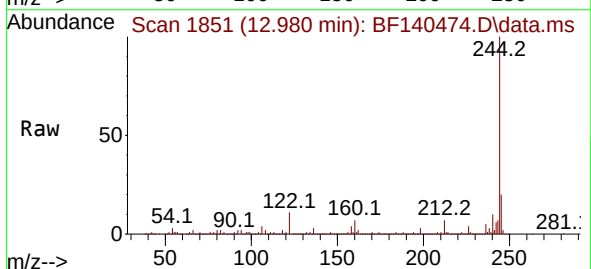
Tgt Ion:244 Resp: 1080286

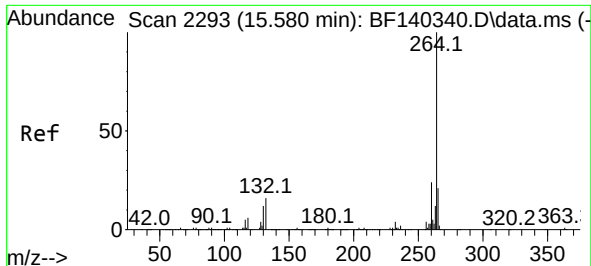
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 11.2 8.8 13.2

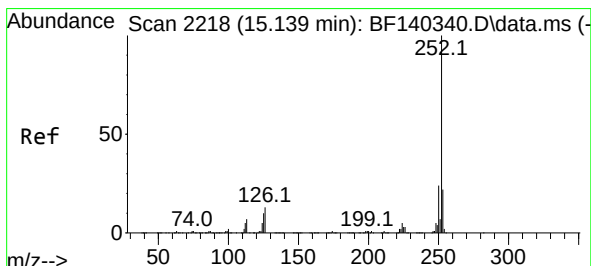
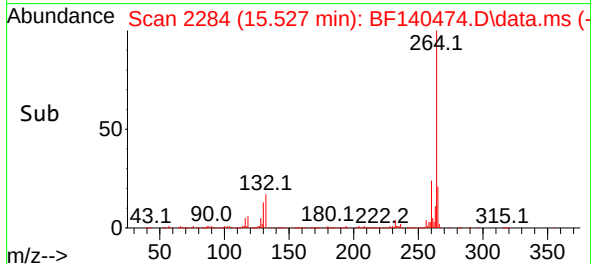
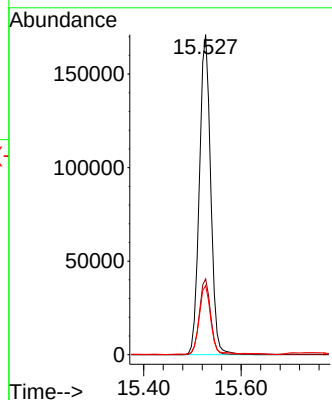
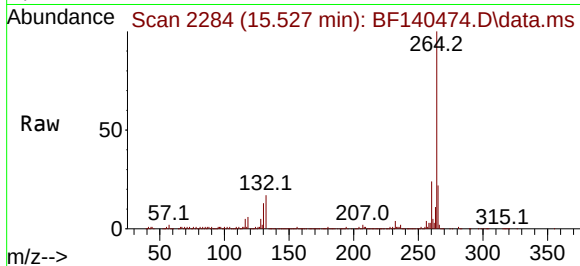




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2110
Delta R.T. -0.030 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

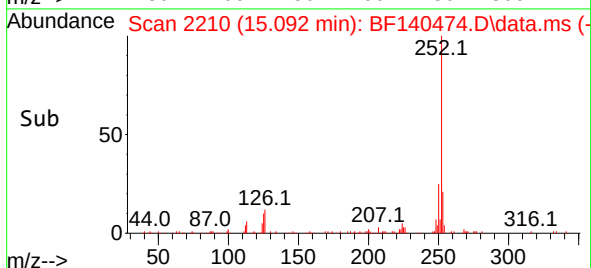
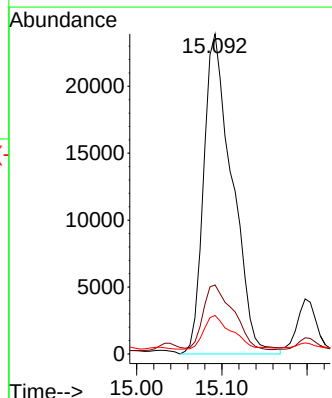
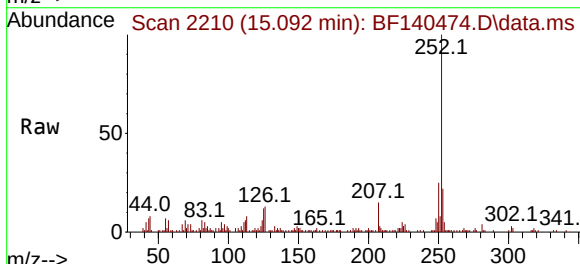
Instrument :
BNA_F
ClientSampleId :
P-2

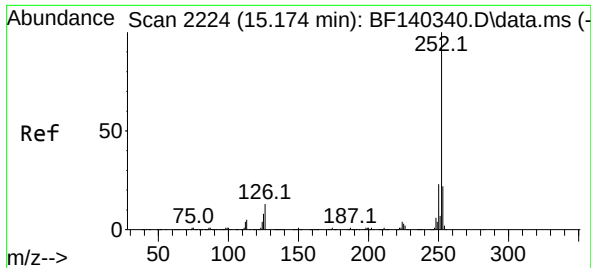
Tgt Ion:264 Resp: 276612
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.6 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 3.078 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.024 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

Tgt Ion:252 Resp: 55698
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 12.1 8.0 12.0#

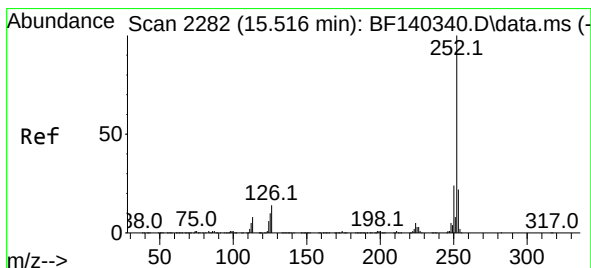
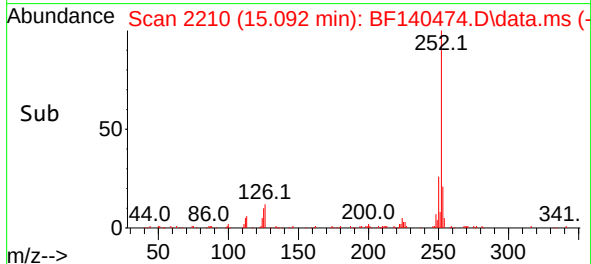
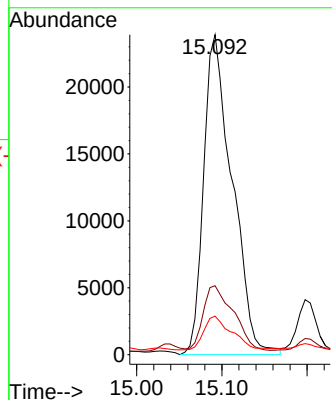
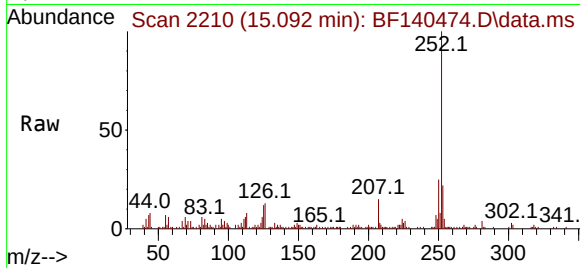




#89
Benzo(k)fluoranthene
Concen: 3.768 ng
RT: 15.092 min Scan# 211
Delta R.T. -0.059 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
P-2

Tgt Ion:252 Resp: 55698
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 12.1 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 2.052 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.030 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

Tgt Ion:252 Resp: 28841
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 13.3 8.4 12.6#

