

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140933.D
 Acq On : 19 Dec 2024 18:15
 Operator : RC/JU
 Sample : P5330-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Dec 20 00:09:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

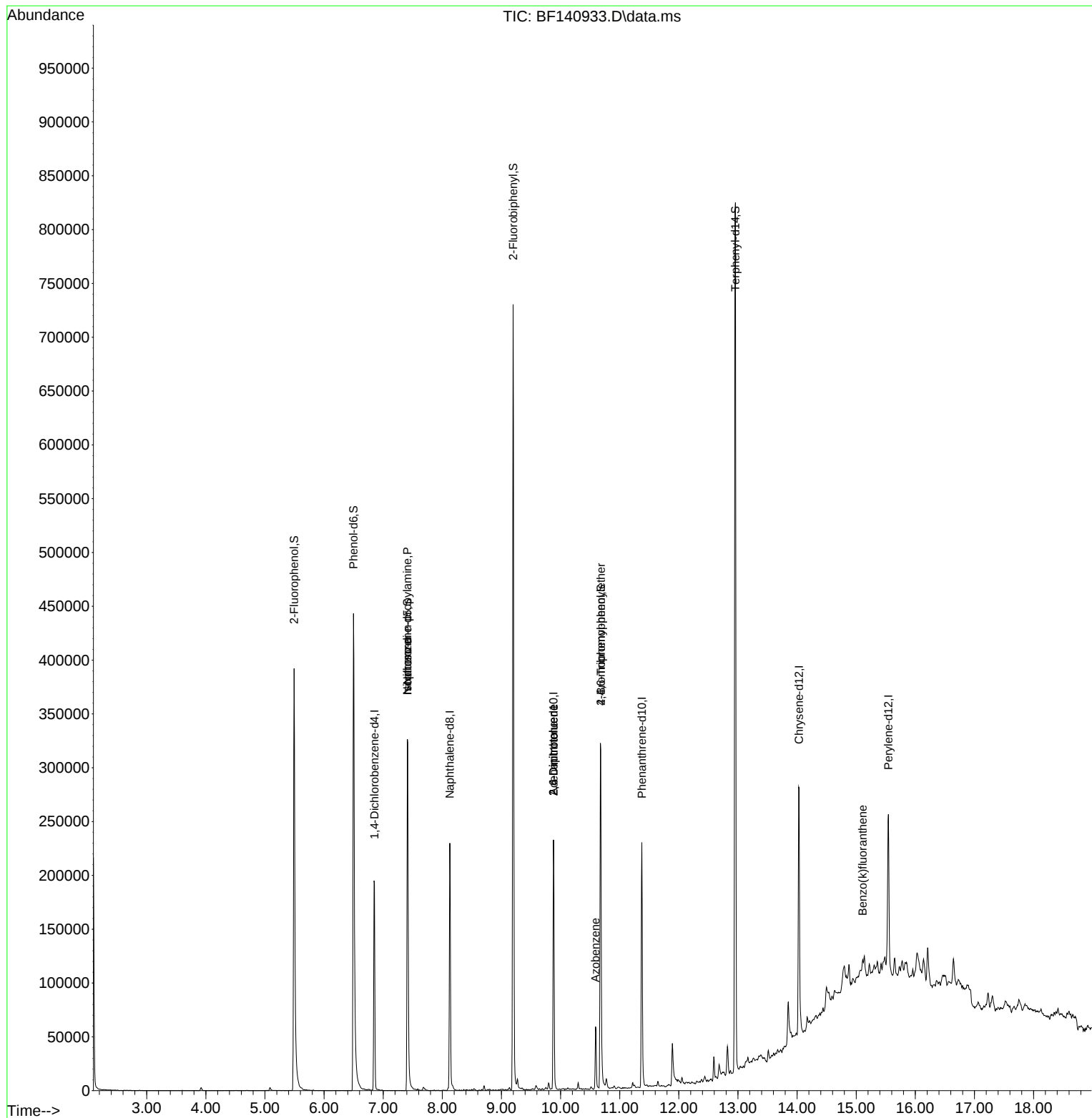
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	45526	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	155664	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	71881	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	125543	20.000	ng	0.00
76) Chrysene-d12	14.033	240	119080	20.000	ng	0.00
86) Perylene-d12	15.545	264	91529	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	190801	68.992	ng	0.00
7) Phenol-d6	6.498	99	269008	73.439	ng	0.00
23) Nitrobenzene-d5	7.410	82	170400	54.767	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	66452	78.165	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	333667	63.820	ng	0.00
79) Terphenyl-d14	12.957	244	418290	55.390	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	22503	10.241	ng	# 77
25) Isophorone	7.410	82	170399	32.686	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	9482	8.184	ng	# 20
57) 2,4-Dinitrotoluene	9.880	165	9482	6.220	ng	# 14
63) Azobenzene	10.592	77	16818	3.404	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	4215	3.001	ng	# 1
89) Benzo(k)fluoranthene	15.110	252	12546	2.302	ng	# 75

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

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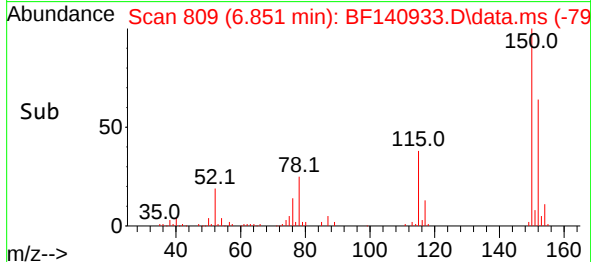
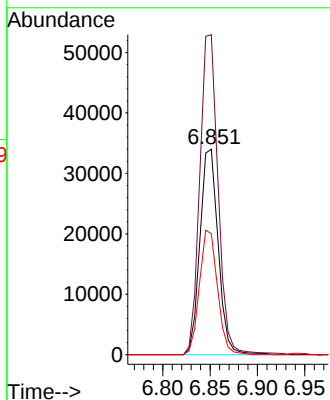
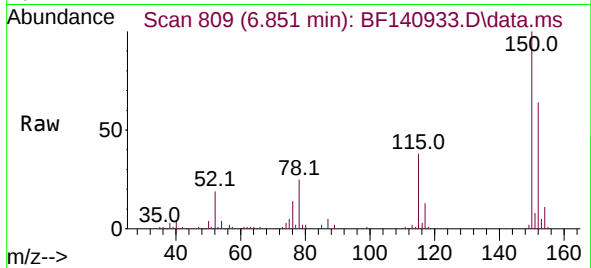




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140933.D
Acq: 19 Dec 2024 18:15

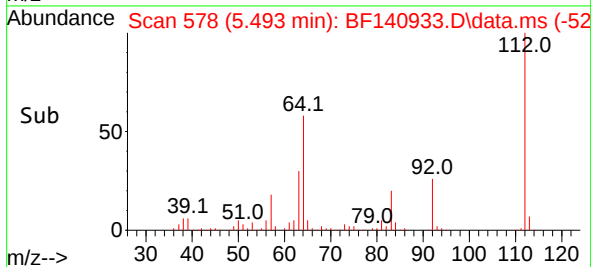
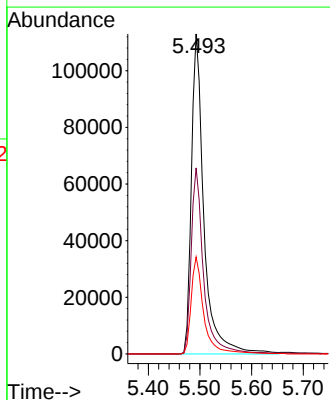
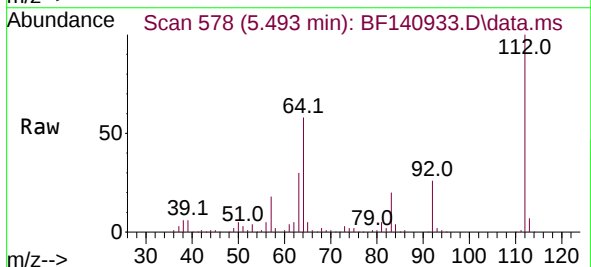
Instrument :
BNA_F
ClientSampleId :
TP-5

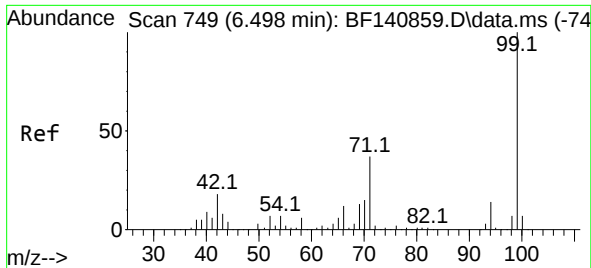
Tgt Ion:152 Resp: 45526
Ion Ratio Lower Upper
152 100
150 155.8 127.9 191.9
115 58.8 48.0 72.0



#5
2-Fluorophenol
Concen: 68.992 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140933.D
Acq: 19 Dec 2024 18:15

Tgt Ion:112 Resp: 190801
Ion Ratio Lower Upper
112 100
64 58.2 46.1 69.1
63 30.3 24.9 37.3





#7

Phenol-d6

Concen: 73.439 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.000 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

Instrument :

BNA_F

ClientSampleId :

TP-5

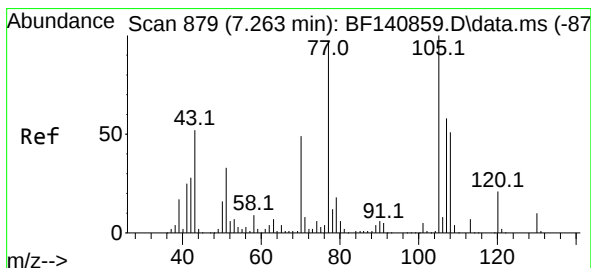
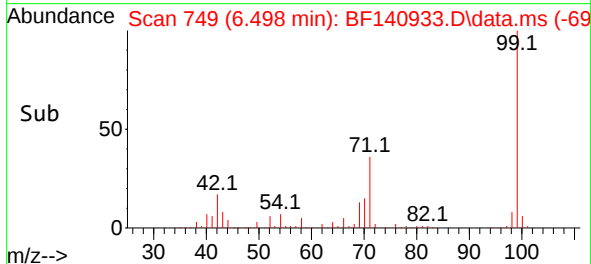
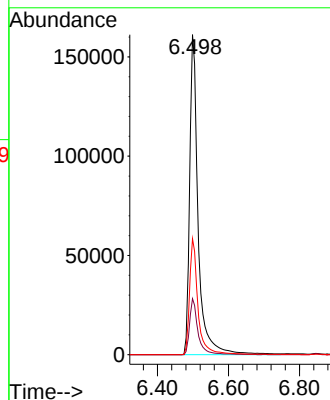
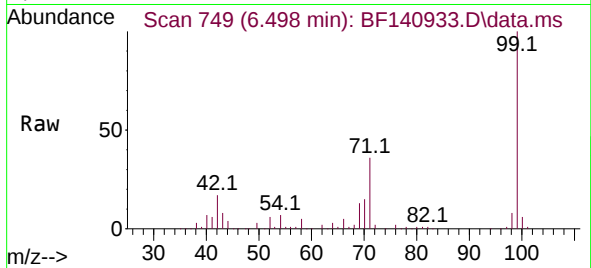
Tgt Ion: 99 Resp: 269008

Ion Ratio Lower Upper

99 100

42 17.5 14.3 21.5

71 36.2 29.9 44.9



#19

n-Nitroso-di-n-propylamine

Concen: 10.241 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.147 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

Tgt Ion: 70 Resp: 22503

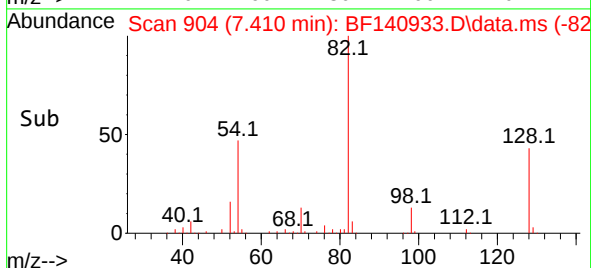
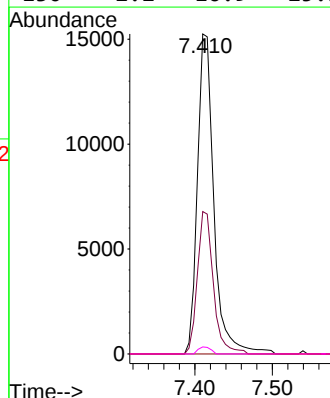
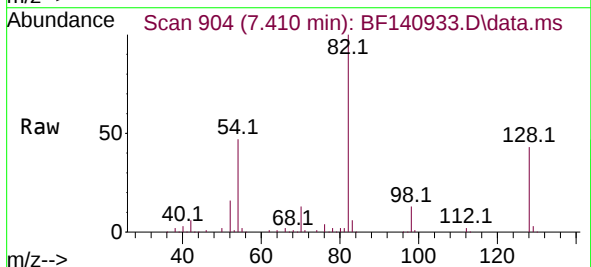
Ion Ratio Lower Upper

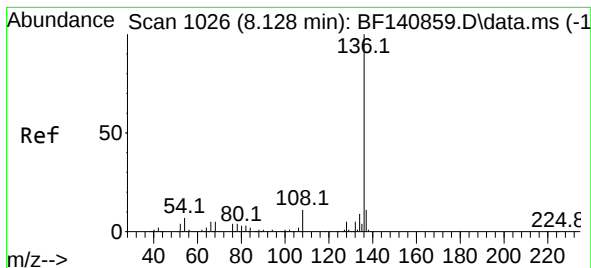
70 100

42 44.5 45.3 67.9#

101 0.0 8.0 12.0#

130 2.2 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion:136 Resp: 155664

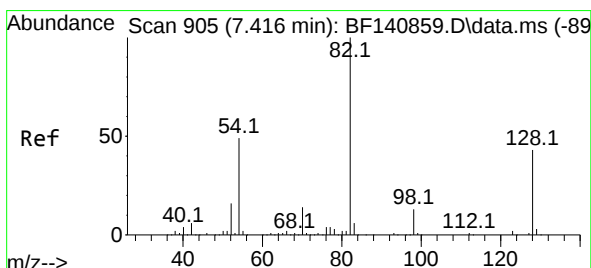
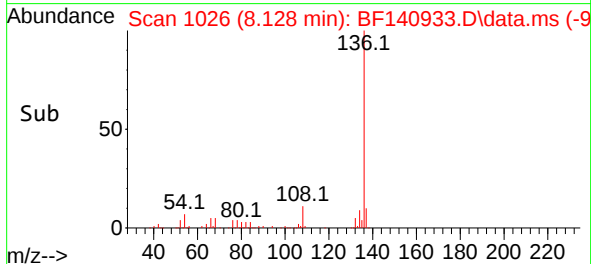
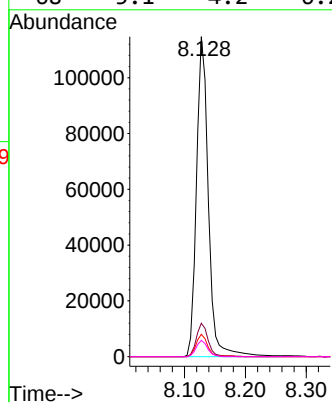
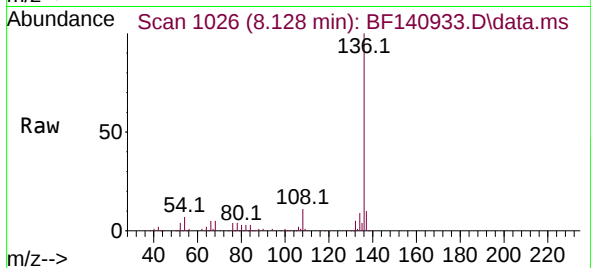
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 7.0 5.6 8.4

68 5.1 4.2 6.2



#23

Nitrobenzene-d5

Concen: 54.767 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

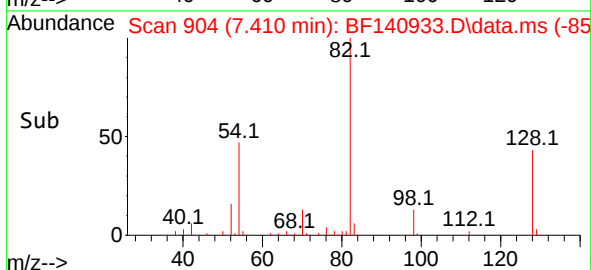
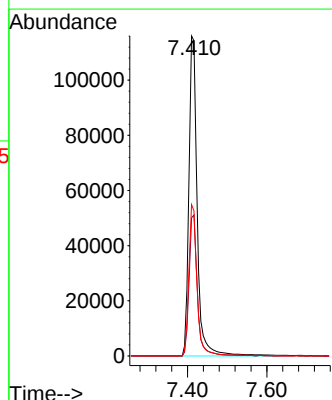
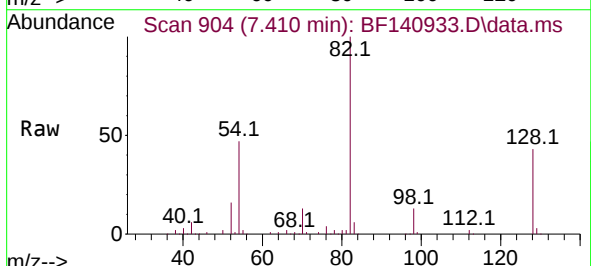
Tgt Ion: 82 Resp: 170400

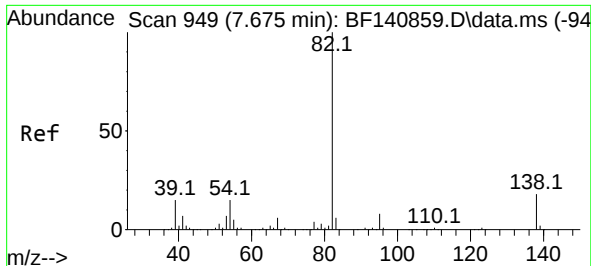
Ion Ratio Lower Upper

82 100

128 43.1 34.4 51.6

54 47.3 38.8 58.2

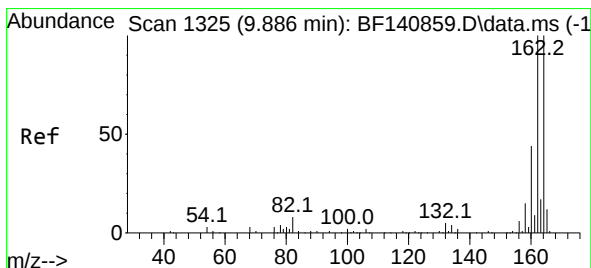
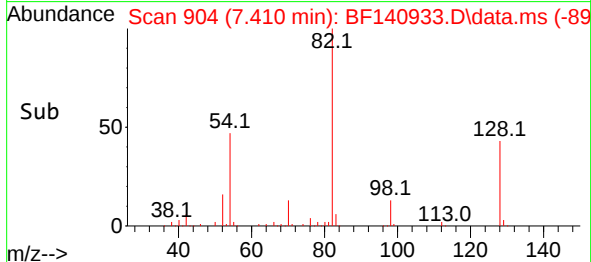
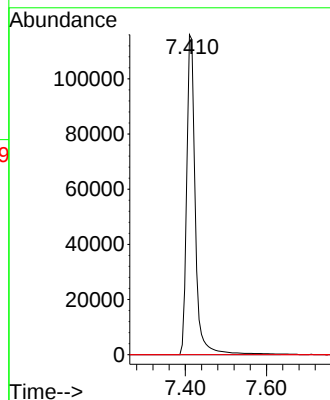
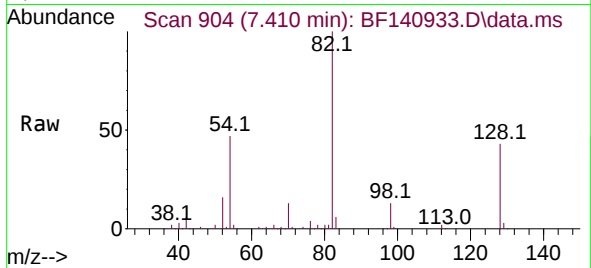




#25
Isophorone
Concen: 32.686 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140933.D
Acq: 19 Dec 2024 18:15

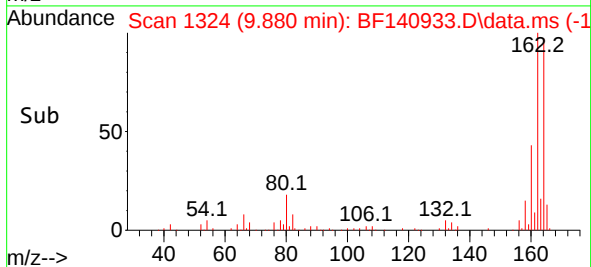
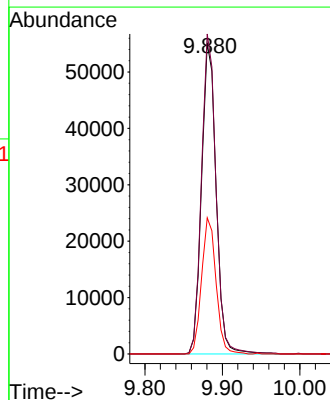
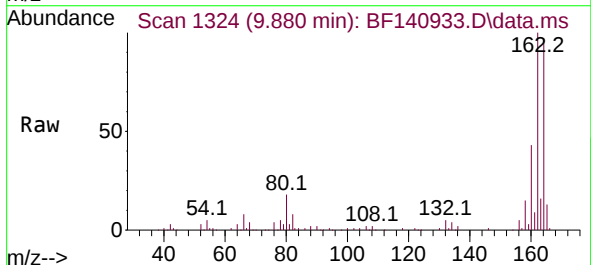
Instrument :
BNA_F
ClientSampleId :
TP-5

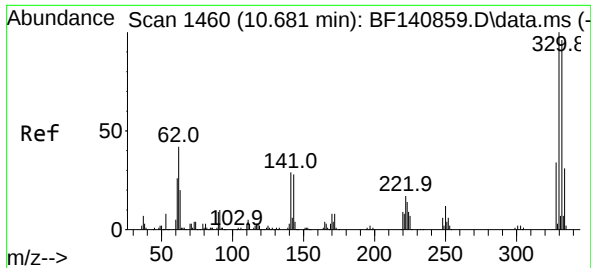
Tgt Ion: 82 Resp: 170399
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140933.D
Acq: 19 Dec 2024 18:15

Tgt Ion: 164 Resp: 71881
Ion Ratio Lower Upper
164 100
162 103.1 79.9 119.9
160 43.9 35.2 52.8

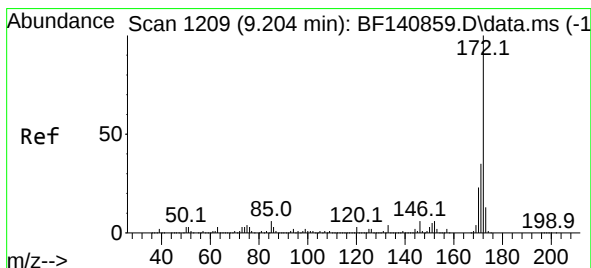
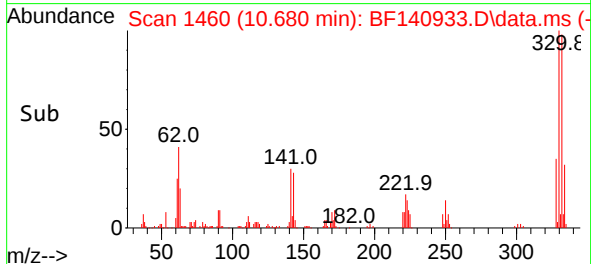
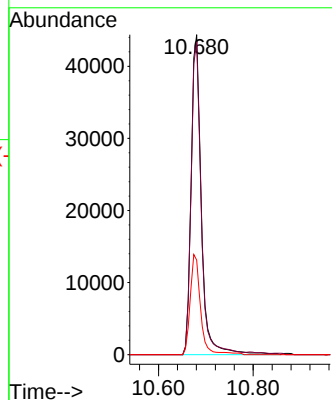
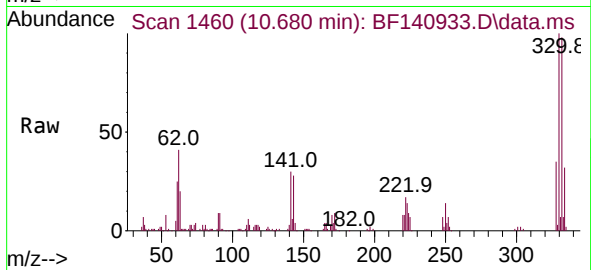




#42
2,4,6-Tribromophenol
Concen: 78.165 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140933.D
Acq: 19 Dec 2024 18:15

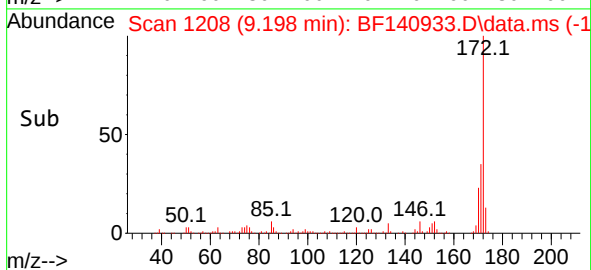
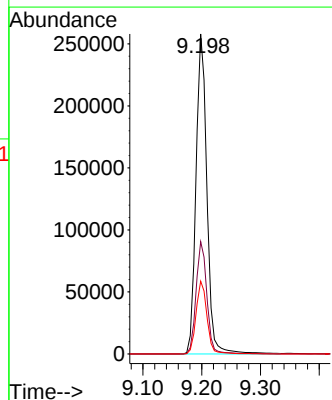
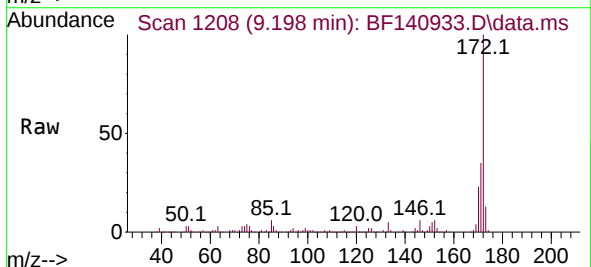
Instrument :
BNA_F
ClientSampleId :
TP-5

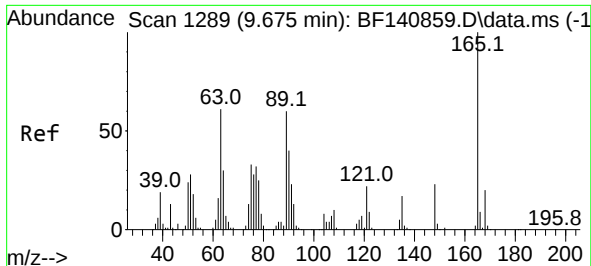
Tgt Ion:330 Resp: 66452
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 31.7 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 63.820 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF140933.D
Acq: 19 Dec 2024 18:15

Tgt Ion:172 Resp: 333667
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 22.8 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 8.184 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

Instrument :

BNA_F

ClientSampleId :

TP-5

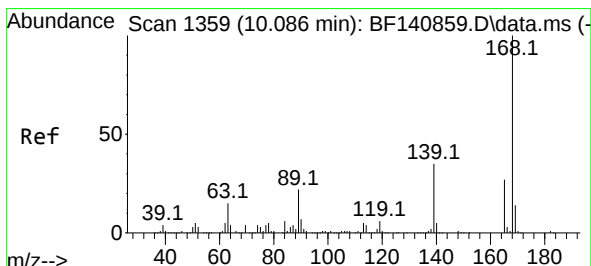
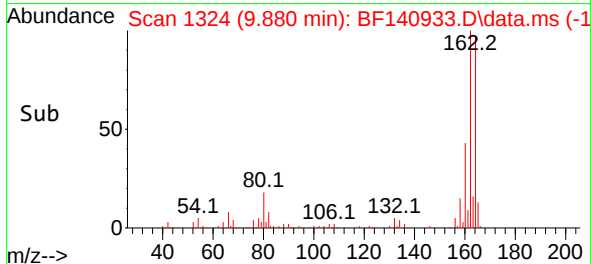
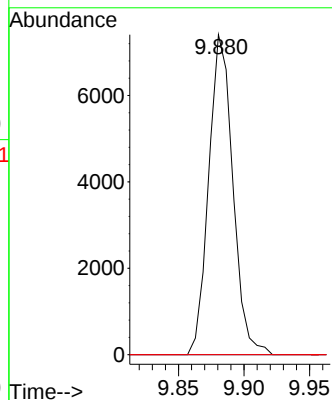
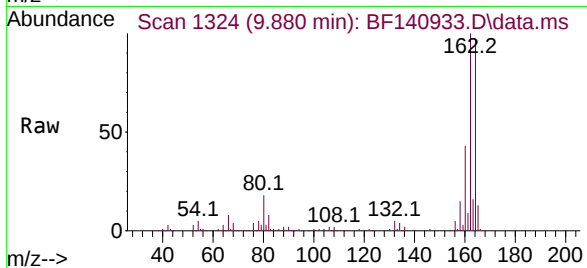
Tgt Ion:165 Resp: 9482

Ion Ratio Lower Upper

165 100

63 0.0 49.7 74.5#

89 0.0 48.2 72.4#



#57

2,4-Dinitrotoluene

Concen: 6.220 ng

RT: 9.880 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

Tgt Ion:165 Resp: 9482

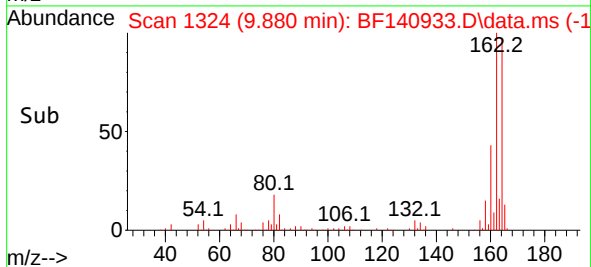
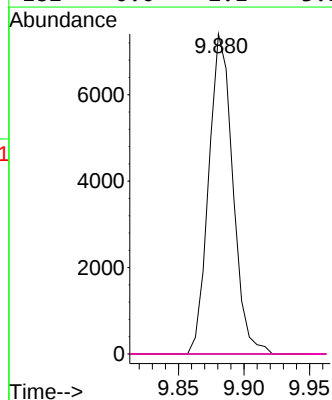
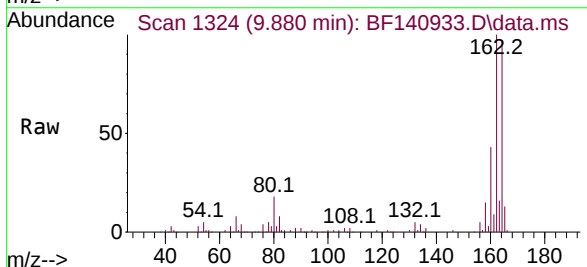
Ion Ratio Lower Upper

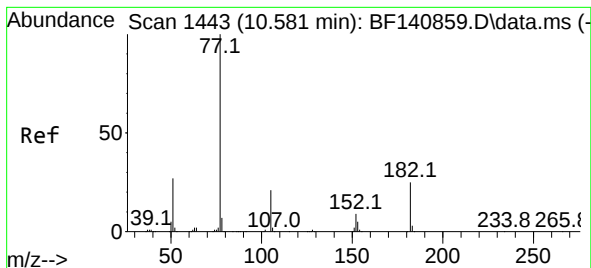
165 100

63 0.0 49.3 73.9#

89 0.0 66.2 99.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 3.404 ng

RT: 10.592 min Scan# 1443

Delta R.T. 0.012 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion: 77 Resp: 16818

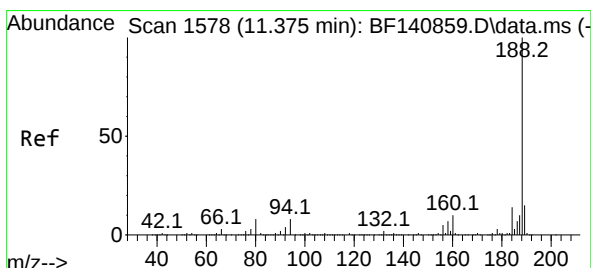
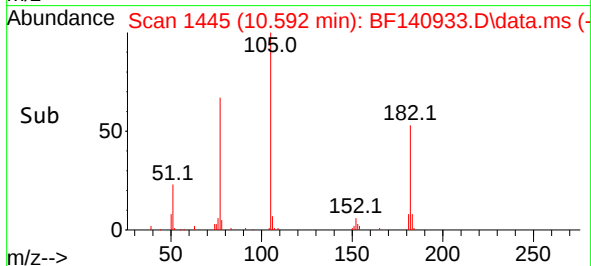
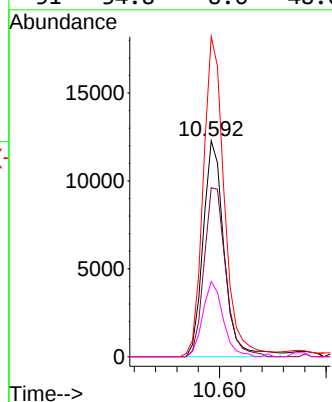
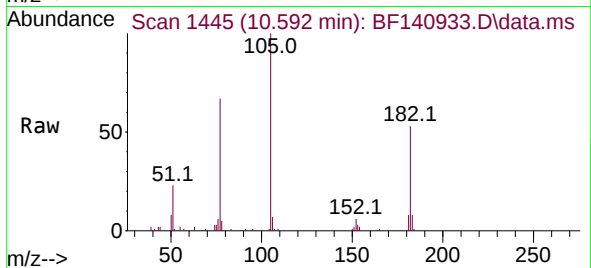
Ion Ratio Lower Upper

77 100

182 78.3 4.5 44.5#

105 148.2 0.9 40.9#

51 34.8 8.6 48.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

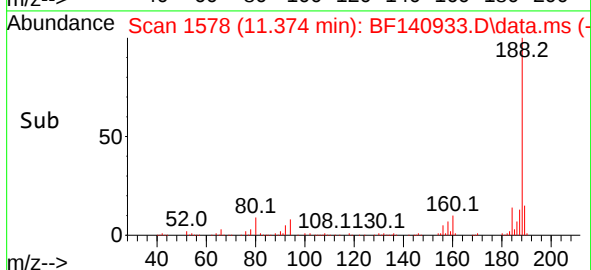
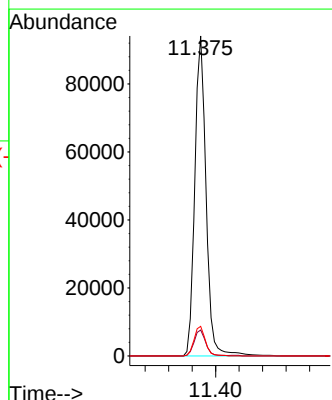
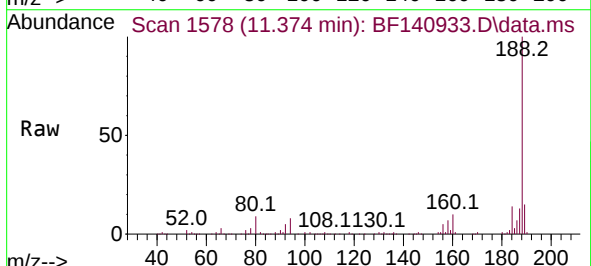
Tgt Ion: 188 Resp: 125543

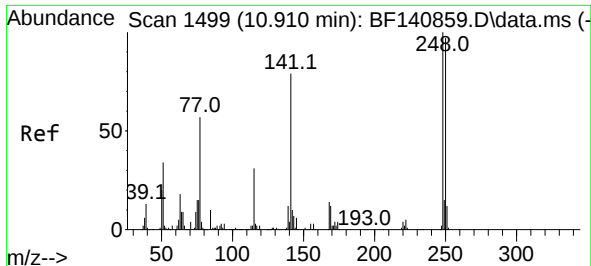
Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 9.2 6.8 10.2

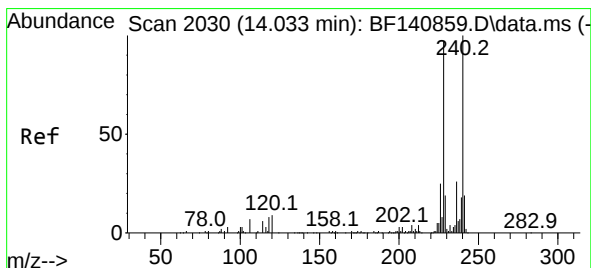
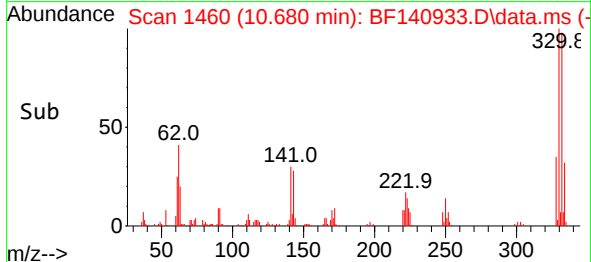
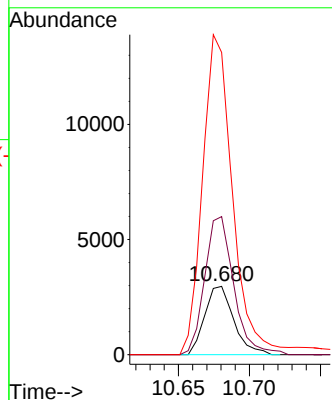
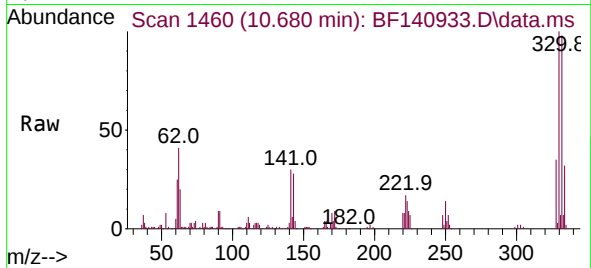




#67
4-Bromophenyl-phenylether
Concen: 3.001 ng
RT: 10.680 min Scan# 1499
Delta R.T. -0.230 min
Lab File: BF140933.D
Acq: 19 Dec 2024 18:15

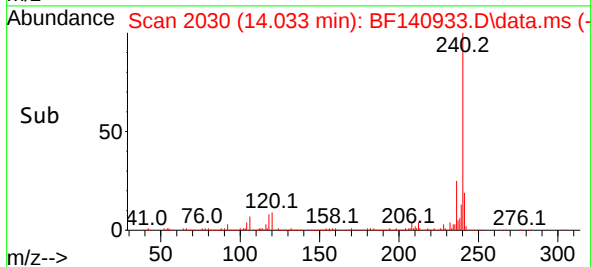
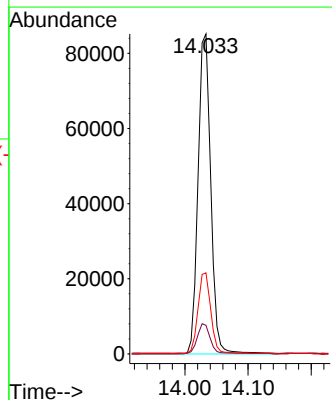
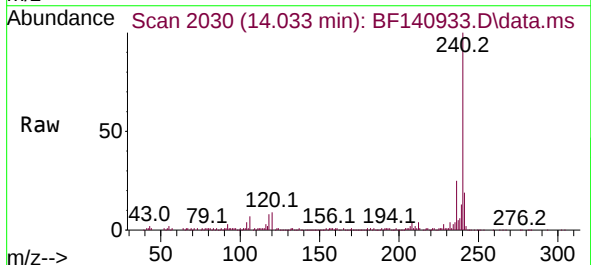
Instrument :
BNA_F
ClientSampleId :
TP-5

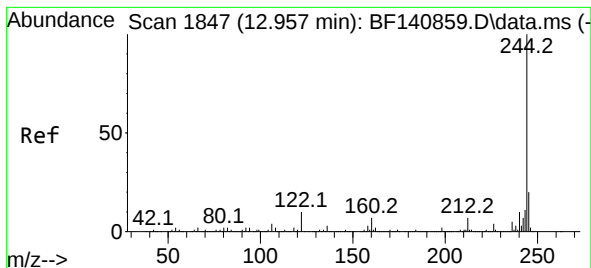
Tgt Ion:248 Resp: 4215
Ion Ratio Lower Upper
248 100
250 201.9 77.4 116.2#
141 441.9 62.9 94.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140933.D
Acq: 19 Dec 2024 18:15

Tgt Ion:240 Resp: 119080
Ion Ratio Lower Upper
240 100
120 9.0 7.6 11.4
236 25.4 20.5 30.7





#79

Terphenyl-d14

Concen: 55.390 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

Instrument :

BNA_F

ClientSampleId :

TP-5

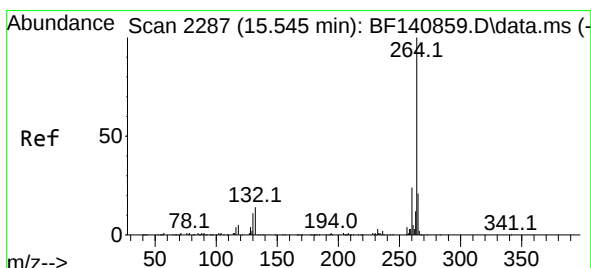
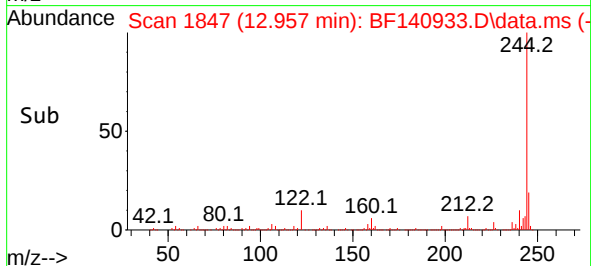
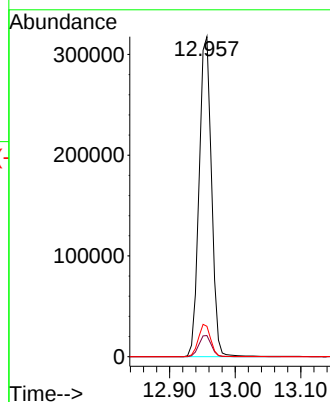
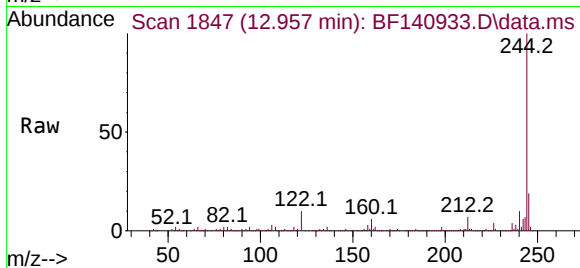
Tgt Ion:244 Resp: 418290

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 9.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2287

Delta R.T. -0.000 min

Lab File: BF140933.D

Acq: 19 Dec 2024 18:15

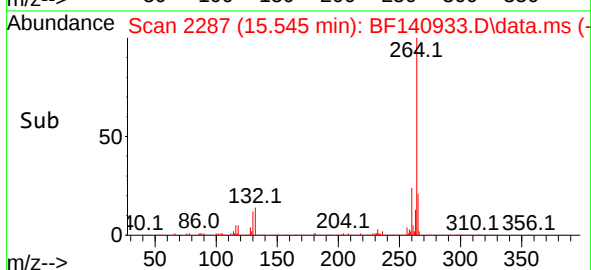
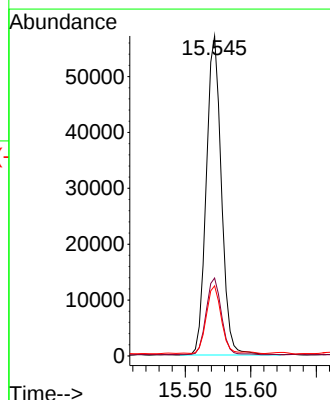
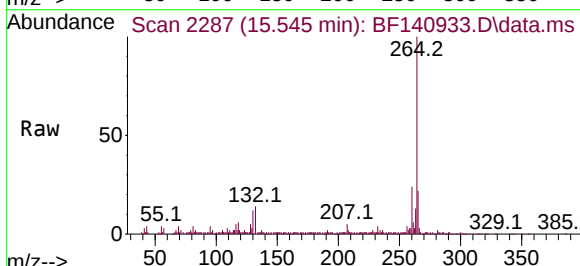
Tgt Ion:264 Resp: 91529

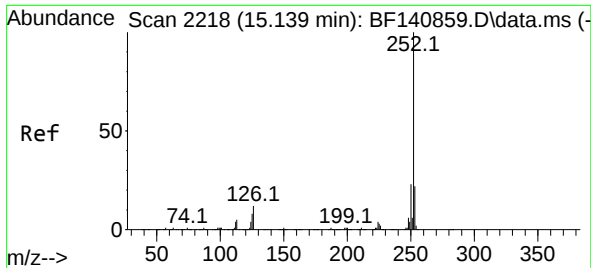
Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 21.9 17.0 25.4





#89

Benzo(k)fluoranthene

Concen: 2.302 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140933.D

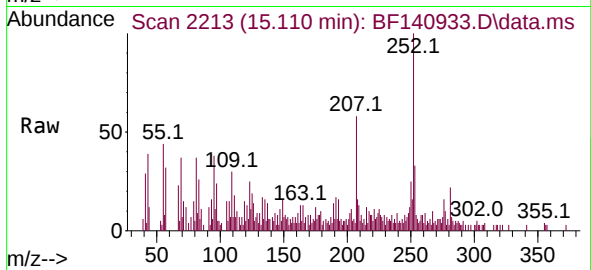
Acq: 19 Dec 2024 18:15

Instrument :

BNA_F

ClientSampleId :

TP-5



Tgt Ion:252 Resp: 12546

Ion Ratio Lower Upper

252 100

253 33.0 17.5 26.3#

125 19.0 6.8 10.2#

