

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140814.D
 Acq On : 10 Dec 2024 18:52
 Operator : RC/JU
 Sample : P5216-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Quant Time: Dec 11 00:34:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

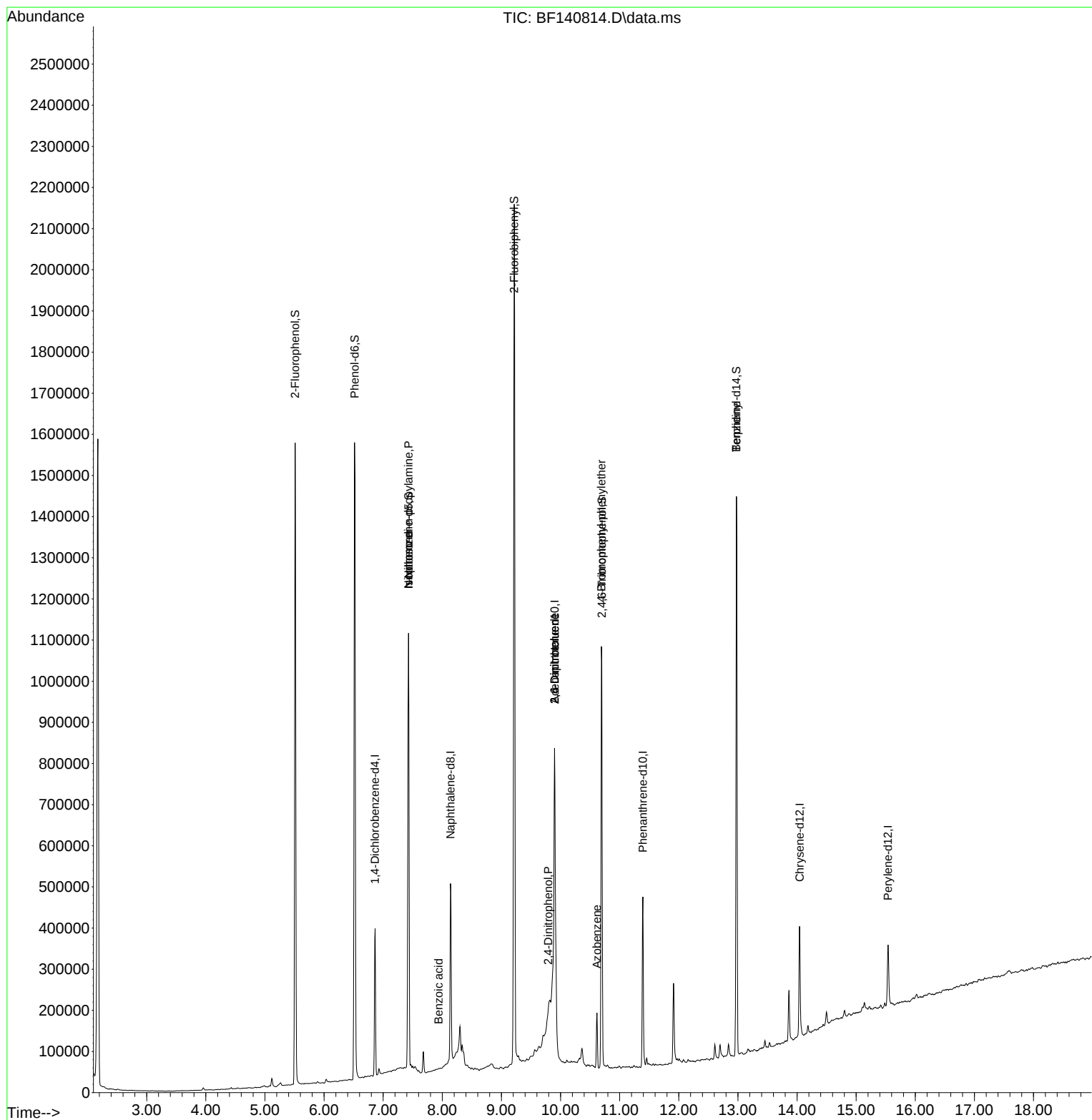
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	77241	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	287779	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	149416	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	221360	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	132784	20.000	ng	0.00
86) Perylene-d12	15.539	264	93176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	591911	130.750	ng	0.01
7) Phenol-d6	6.516	99	761637	127.261	ng	0.00
23) Nitrobenzene-d5	7.428	82	512314	91.059	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	183970	115.124	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	955523	95.283	ng	-0.02
79) Terphenyl-d14	12.974	244	680976	79.857	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	67894	19.195	ng	# 79
25) Isophorone	7.428	82	510744	54.427	ng	# 66
32) Benzoic acid	7.939	122	399	7.318	ng	# 18
51) 2,6-Dinitrotoluene	9.898	165	19482	8.729	ng	# 32
54) 2,4-Dinitrophenol	9.792	184	62	7.871	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	19482	6.568	ng	# 29
63) Azobenzene	10.616	77	34309	3.624	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	11934	5.235	ng	# 1
77) Benzidine	12.974	184	9933	2.573	ng	96

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

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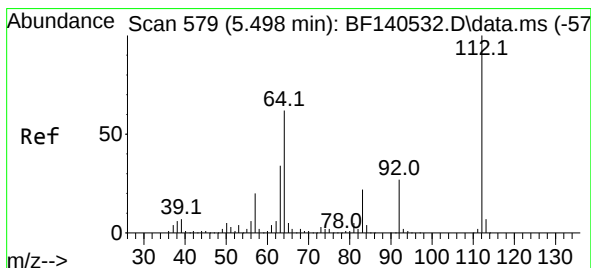
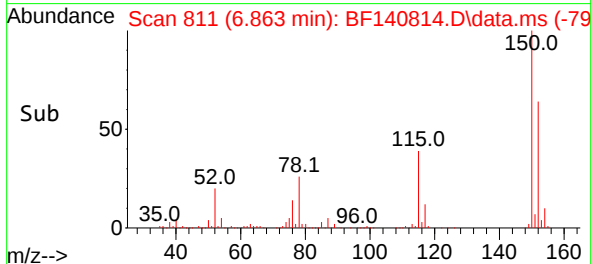
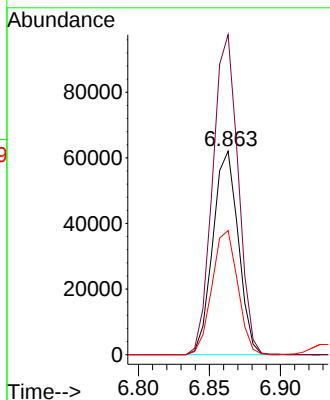
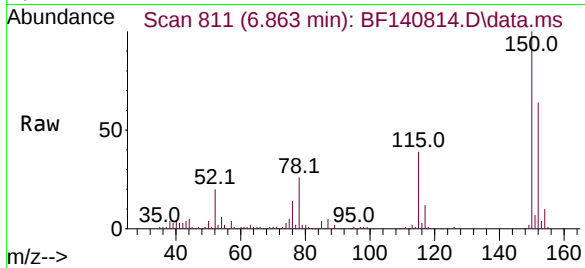




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

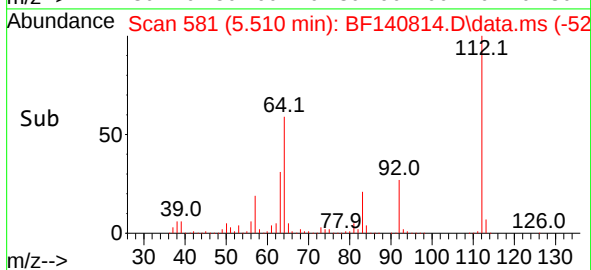
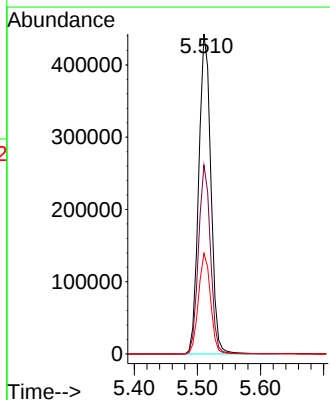
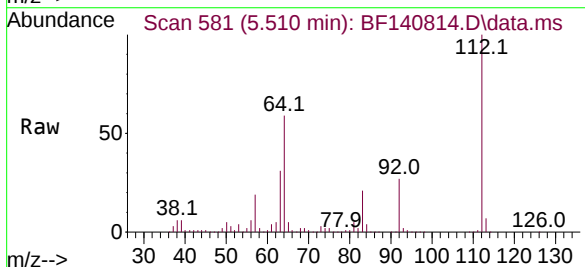
Instrument :
BNA_F
ClientSampleId :
TP-12

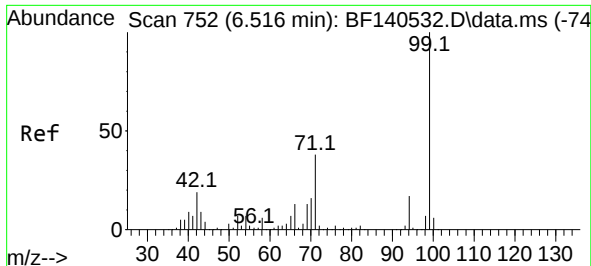
Tgt Ion:152 Resp: 77241
Ion Ratio Lower Upper
152 100
150 157.2 128.5 192.7
115 61.0 50.2 75.4



#5
2-Fluorophenol
Concen: 130.750 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

Tgt Ion:112 Resp: 591911
Ion Ratio Lower Upper
112 100
64 59.0 49.2 73.8
63 31.5 27.0 40.4





#7

Phenol-d6

Concen: 127.261 ng

RT: 6.516 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF140814.D

Acq: 10 Dec 2024 18:52

Instrument :

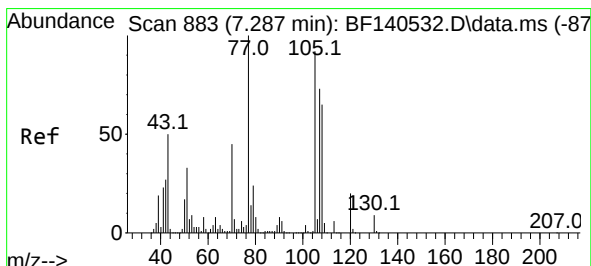
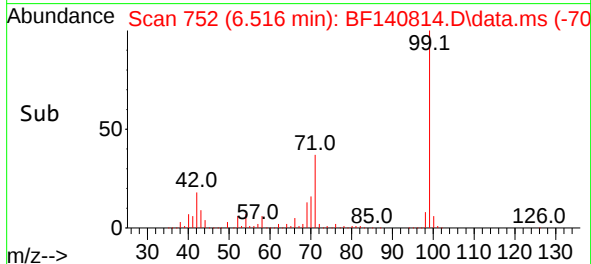
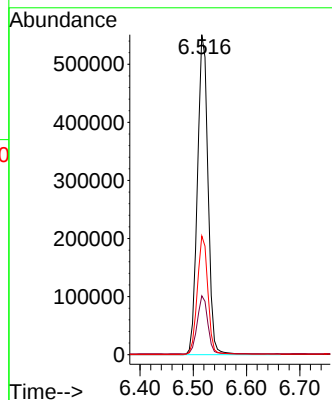
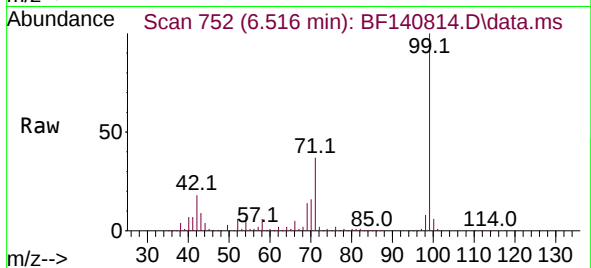
BNA_F

ClientSampleId :

TP-12

Tgt Ion: 99 Resp: 761637

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.4	23.0
71	37.1	30.6	46.0



#19

n-Nitroso-di-n-propylamine

Concen: 19.195 ng

RT: 7.428 min Scan# 907

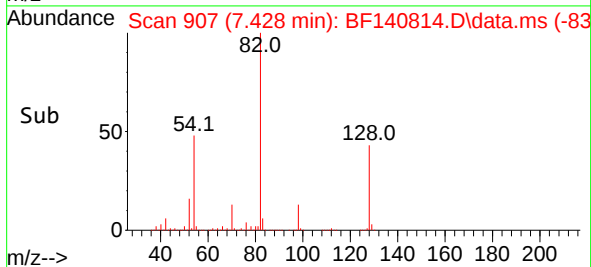
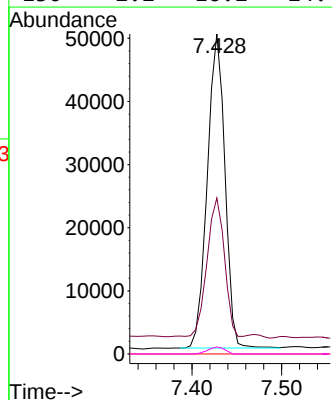
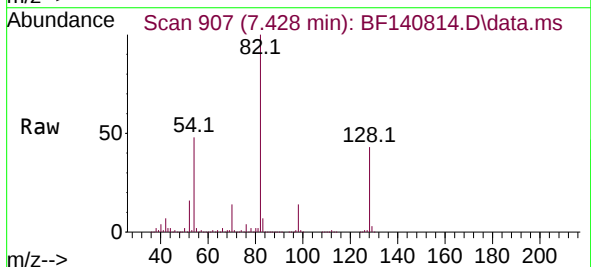
Delta R.T. 0.141 min

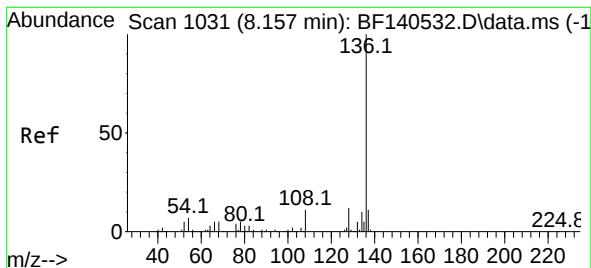
Lab File: BF140814.D

Acq: 10 Dec 2024 18:52

Tgt Ion: 70 Resp: 67894

Ion	Ratio	Lower	Upper
70	100		
42	48.7	47.6	71.4
101	0.0	7.6	11.4#
130	2.2	16.2	24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.139 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF140814.D

Acq: 10 Dec 2024 18:52

Instrument :

BNA_F

ClientSampleId :

TP-12

Tgt Ion:136 Resp: 287779

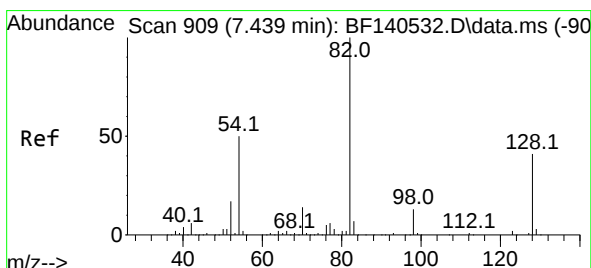
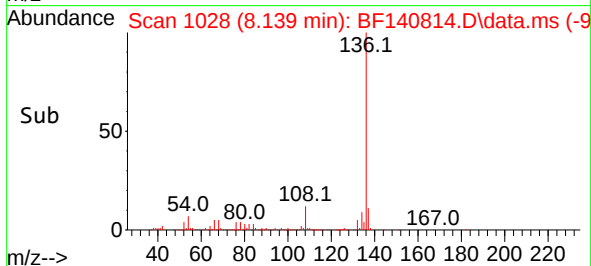
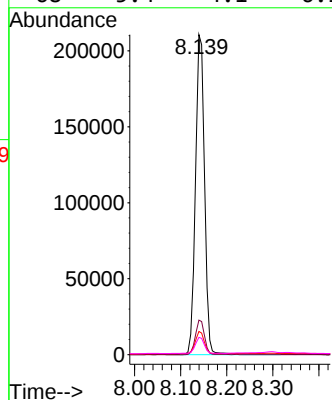
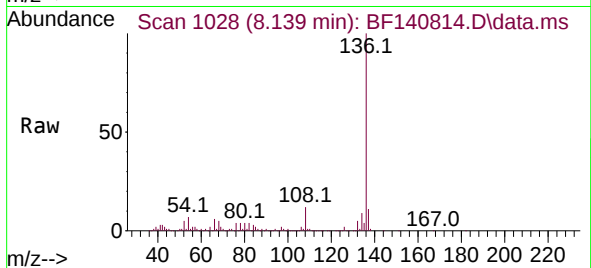
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.2 5.8 8.8

68 5.4 4.1 6.1



#23

Nitrobenzene-d5

Concen: 91.059 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF140814.D

Acq: 10 Dec 2024 18:52

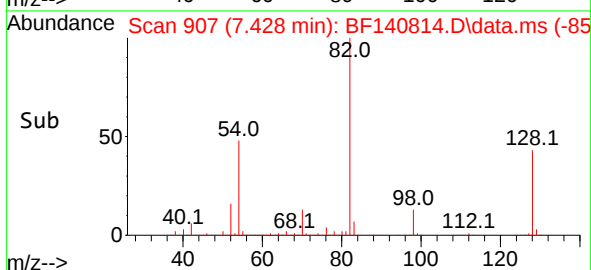
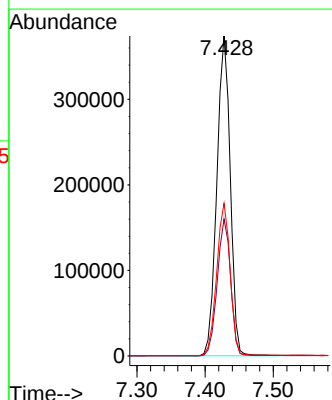
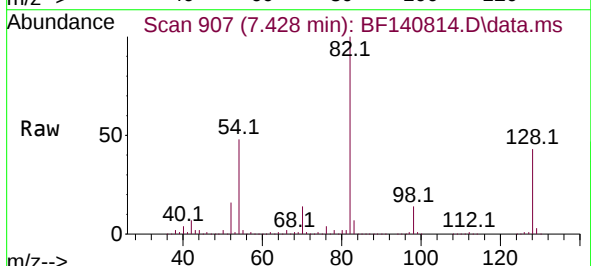
Tgt Ion: 82 Resp: 512314

Ion Ratio Lower Upper

82 100

128 42.8 33.0 49.4

54 47.7 39.5 59.3

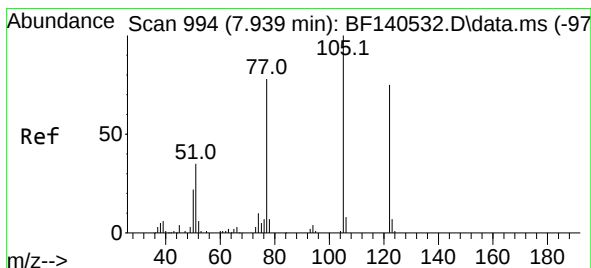
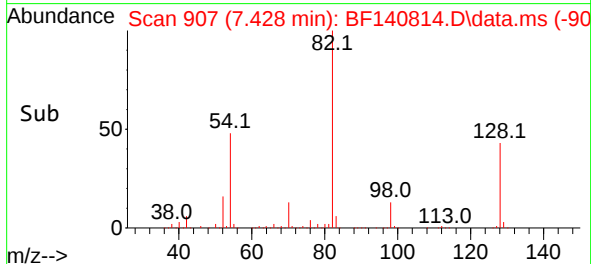
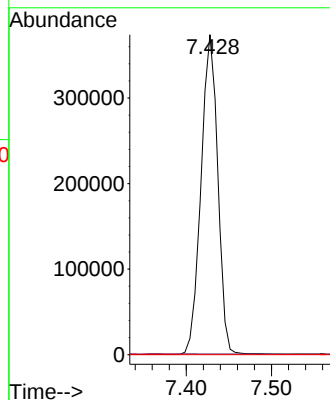
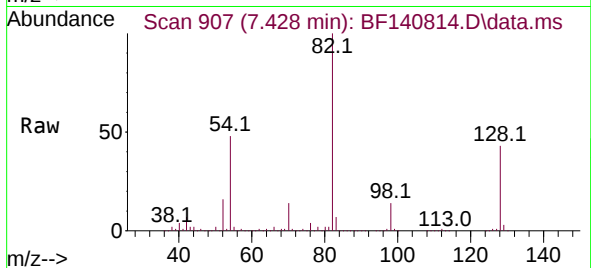




#25
Isophorone
Concen: 54.427 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

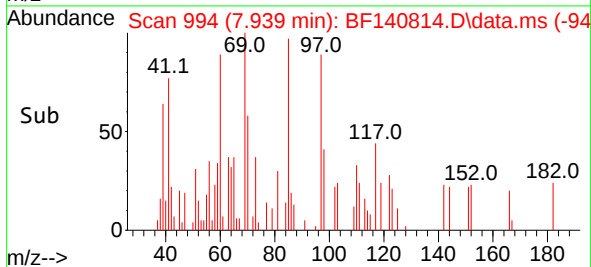
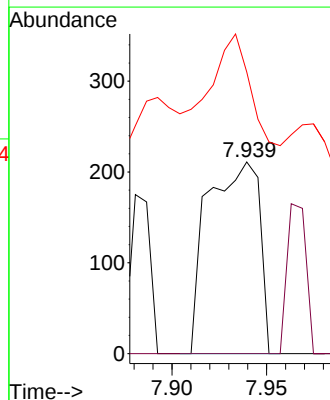
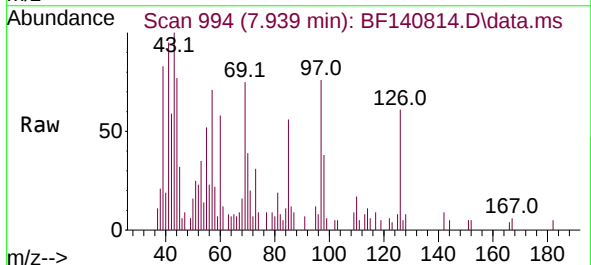
Instrument :
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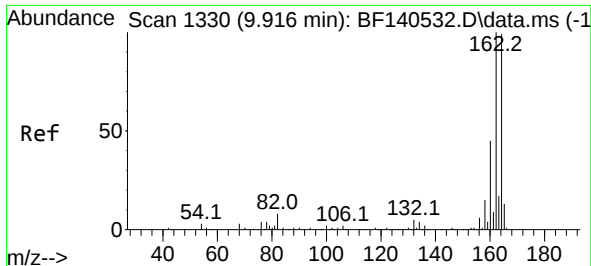
Tgt Ion: 82 Resp: 510744
Ion Ratio Lower Upper
82 100
95 0.2 6.4 9.6#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.318 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

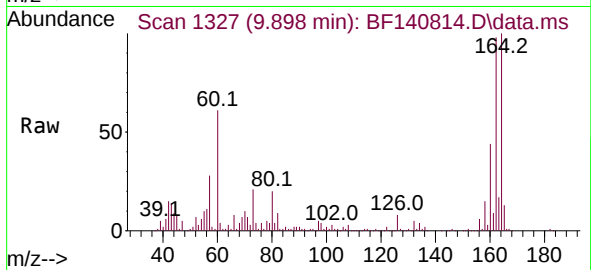
Tgt Ion:122 Resp: 399
Ion Ratio Lower Upper
122 100
105 0.0 109.3 149.3#
77 146.9 82.3 122.3#



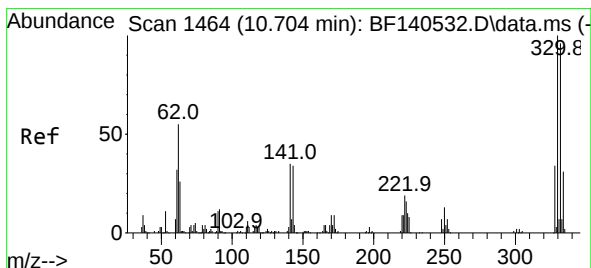
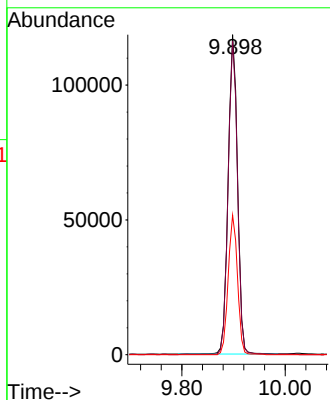
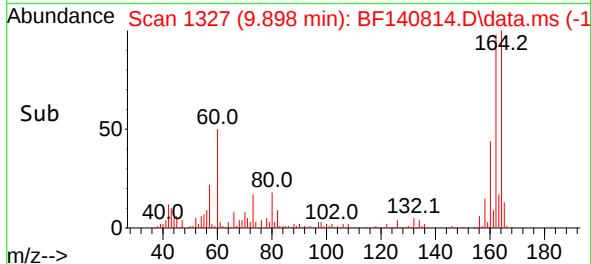


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

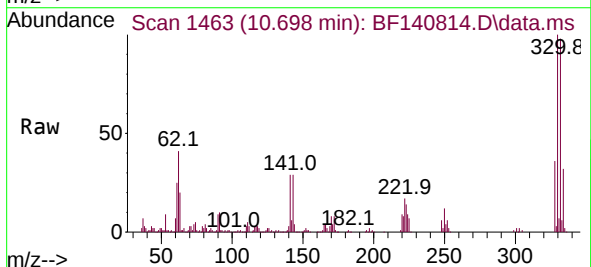
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BNA_F
ClientSampleId :
TP-12



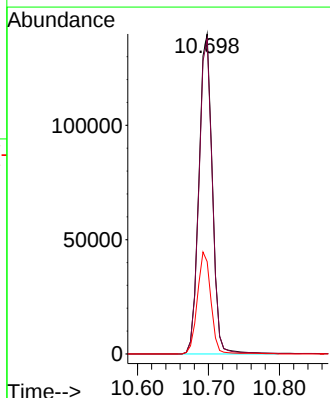
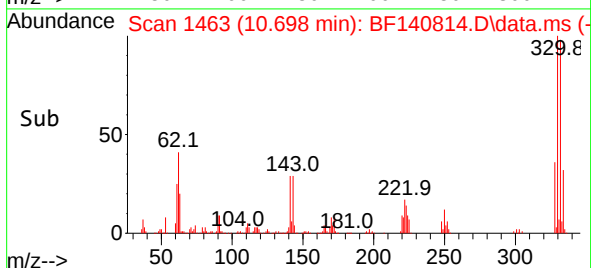
Tgt Ion:164 Resp: 149416
Ion Ratio Lower Upper
164 100
162 98.0 80.6 120.8
160 43.6 36.2 54.4

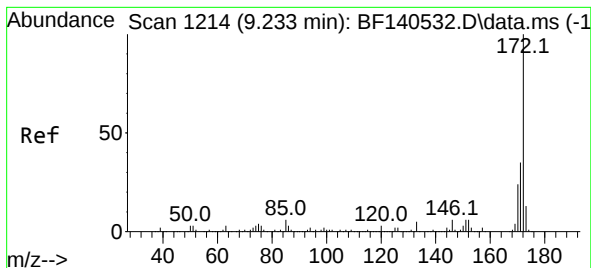


#42
2,4,6-Tribromophenol
Concen: 115.124 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52



Tgt Ion:330 Resp: 183970
Ion Ratio Lower Upper
330 100
332 98.5 76.9 115.3
141 31.9 26.7 40.1





#45

2-Fluorobiphenyl

Concen: 95.283 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF140814.D

Acq: 10 Dec 2024 18:52

Instrument :

BNA_F

ClientSampleId :

TP-12

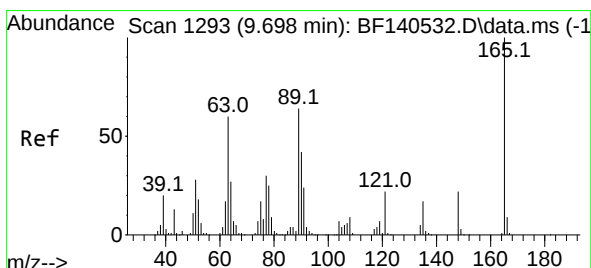
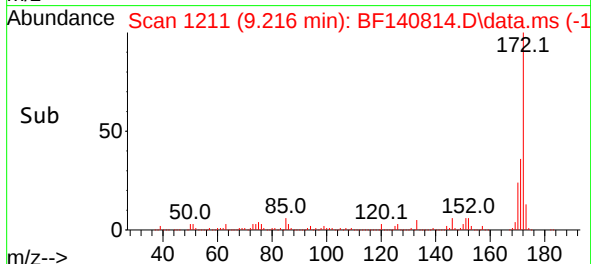
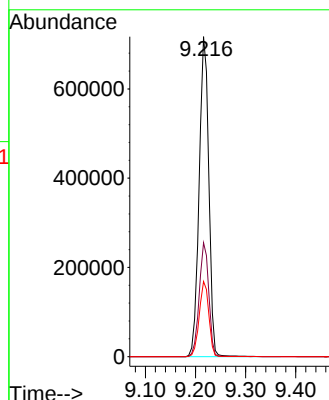
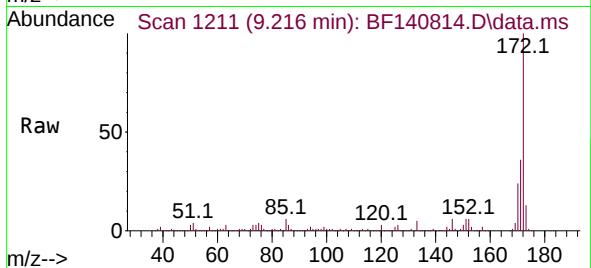
Tgt Ion:172 Resp: 955523

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.5 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.729 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.200 min

Lab File: BF140814.D

Acq: 10 Dec 2024 18:52

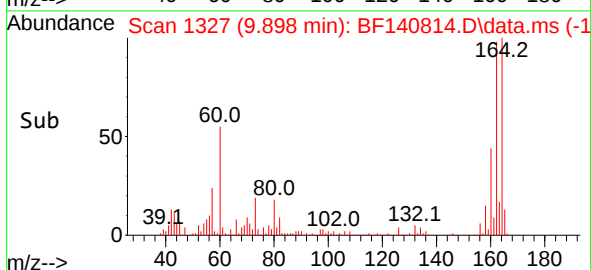
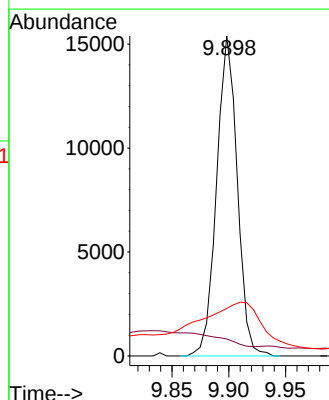
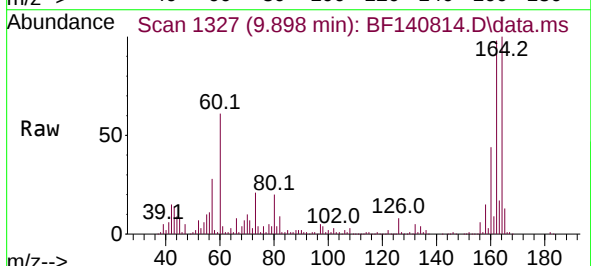
Tgt Ion:165 Resp: 19482

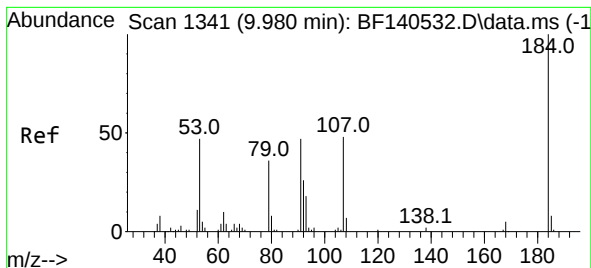
Ion Ratio Lower Upper

165 100

63 5.3 49.9 74.9#

89 14.9 50.9 76.3#

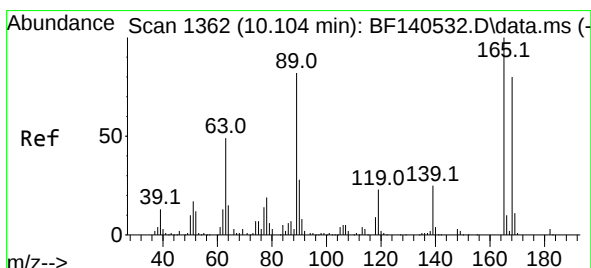
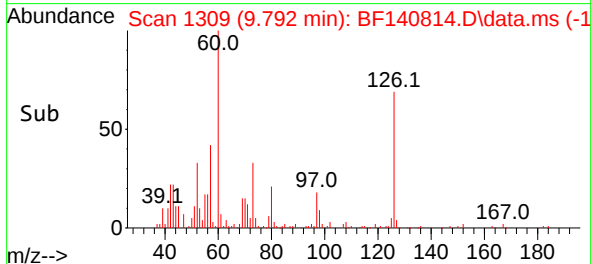
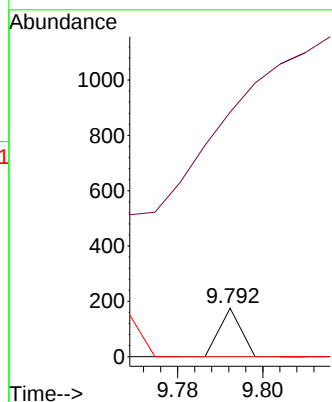
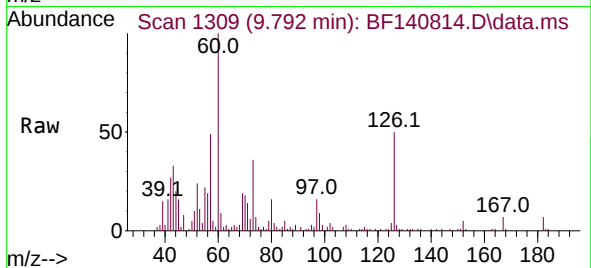




#54
2,4-Dinitrophenol
Concen: 7.871 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

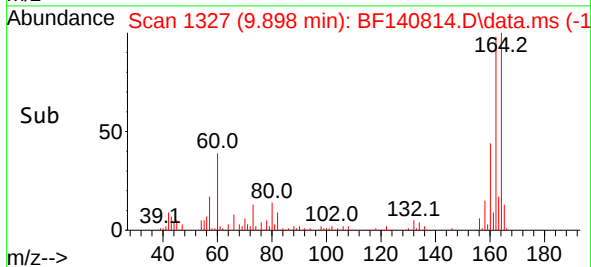
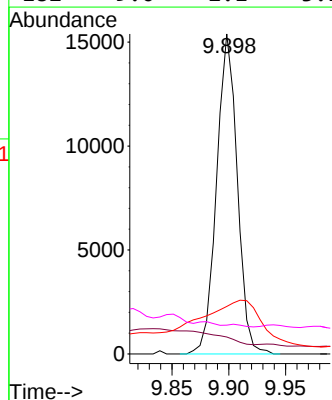
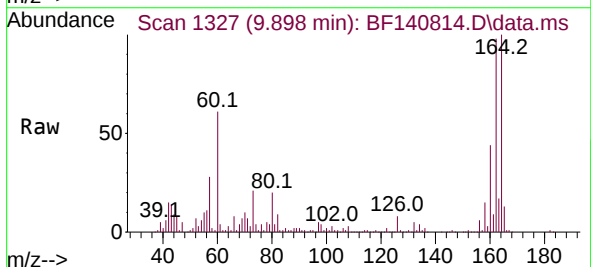
Instrument :
BNA_F
ClientSampleId :
TP-12

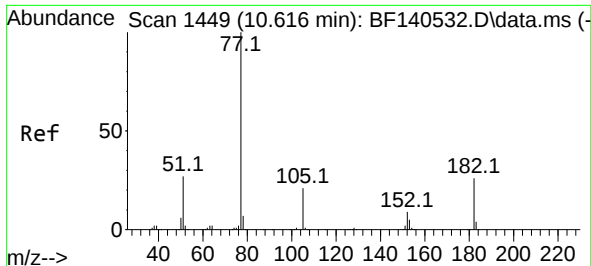
Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 505.1 54.1 81.1#
154 0.0 57.4 86.0#



#57
2,4-Dinitrotoluene
Concen: 6.568 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.206 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

Tgt Ion:165 Resp: 19482
Ion Ratio Lower Upper
165 100
63 5.3 41.7 62.5#
89 14.9 65.8 98.8#
182 9.0 2.1 3.1#

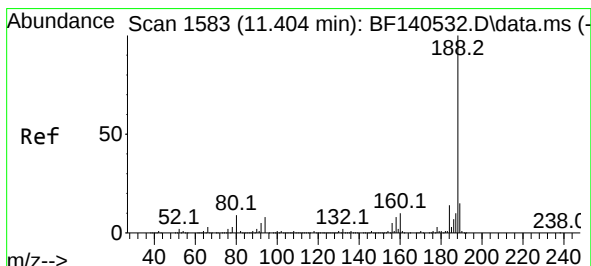
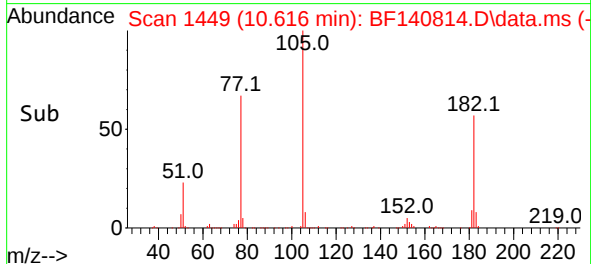
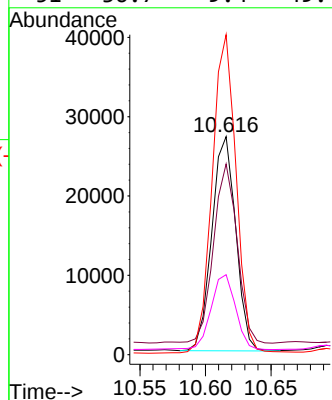
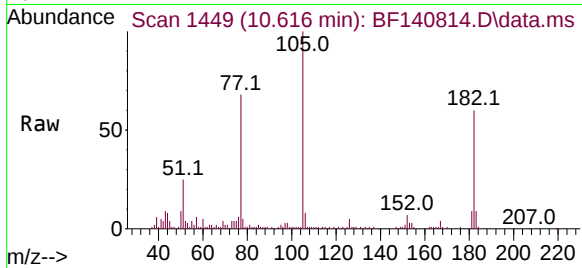




#63
Azobenzene
Concen: 3.624 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

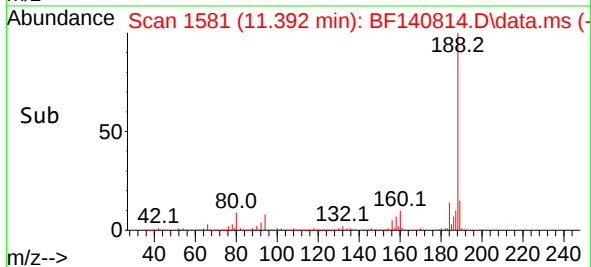
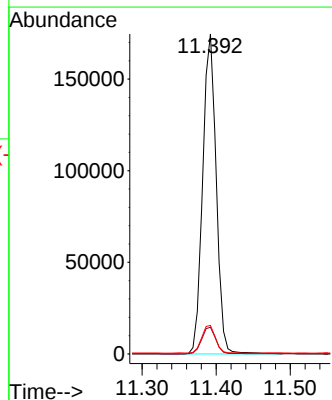
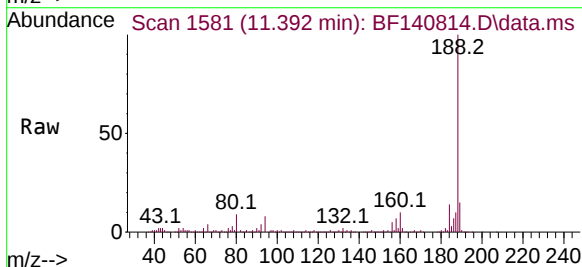
Instrument :
BNA_F
ClientSampleId :
TP-12

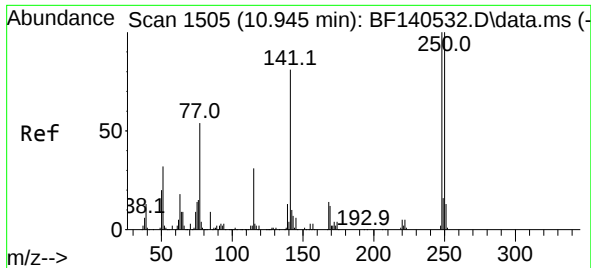
Tgt Ion: 77	Resp: 34309
Ion Ratio	Lower Upper
77 100	
182 87.5	5.3 45.3#
105 146.7	0.3 40.3#
51 36.7	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

Tgt Ion: 188	Resp: 221360
Ion Ratio	Lower Upper
188 100	
94 8.4	6.4 9.6
80 8.9	6.9 10.3

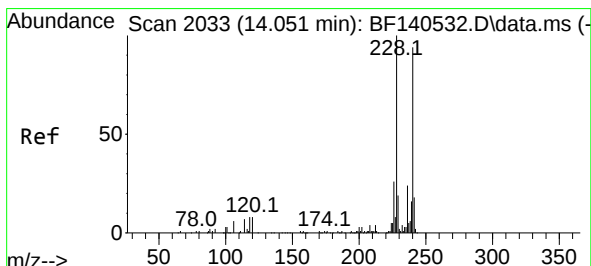
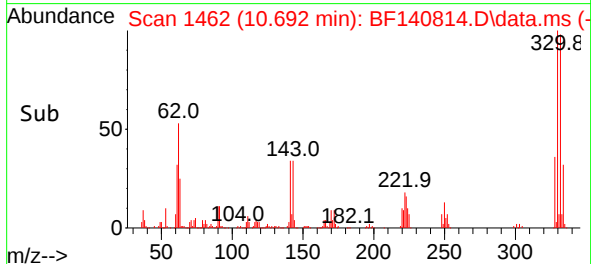
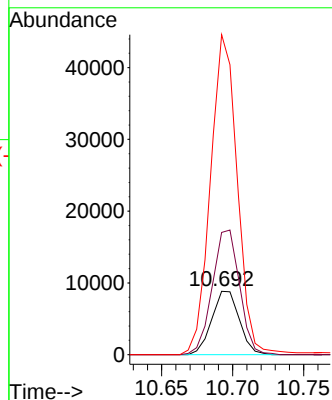
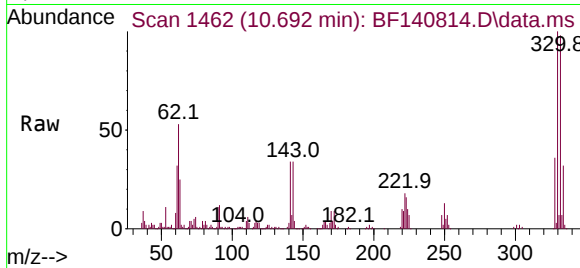




#67
4-Bromophenyl-phenylether
Concen: 5.235 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

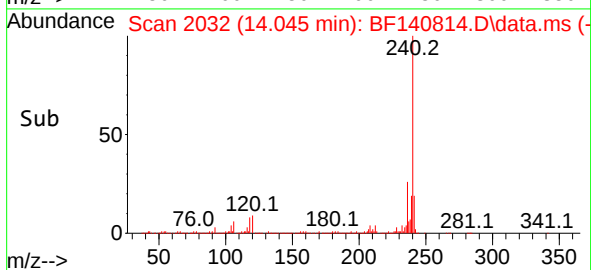
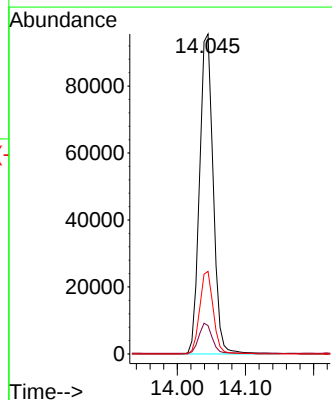
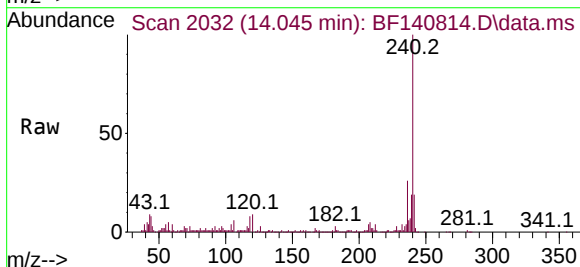
Instrument :
BNA_F
ClientSampleId :
TP-12

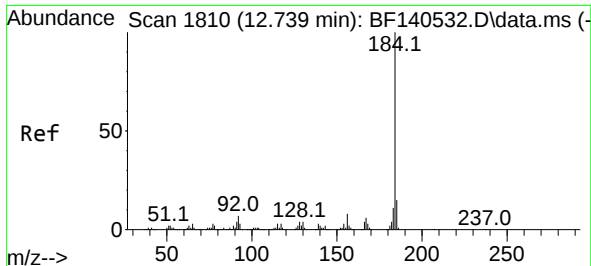
Tgt Ion:248 Resp: 11934
Ion Ratio Lower Upper
248 100
250 192.6 79.8 119.8#
141 504.4 64.7 97.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

Tgt Ion:240 Resp: 132784
Ion Ratio Lower Upper
240 100
120 8.8 7.3 10.9
236 25.8 20.6 31.0

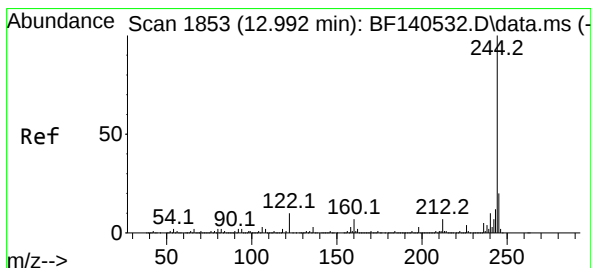
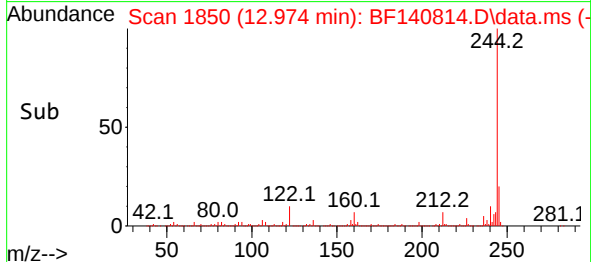
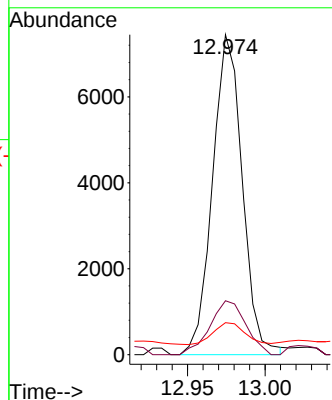
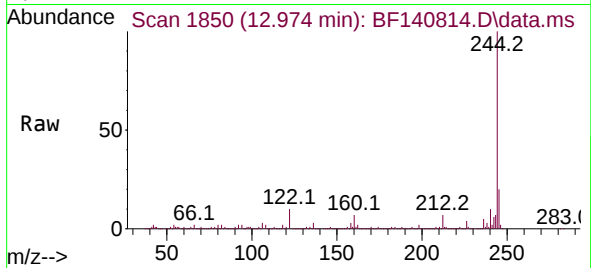




#77
Benzidine
Concen: 2.573 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.235 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

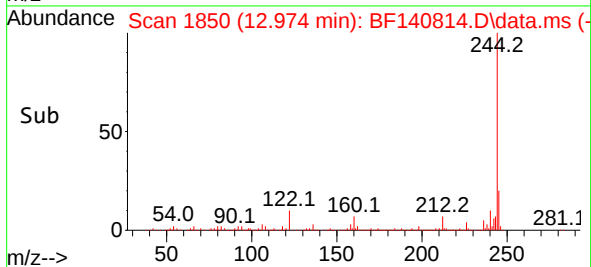
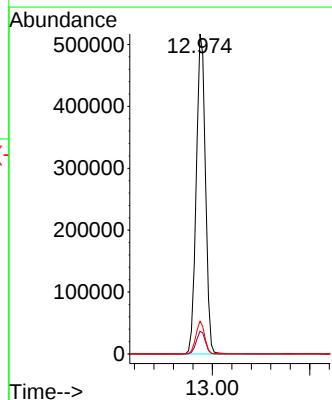
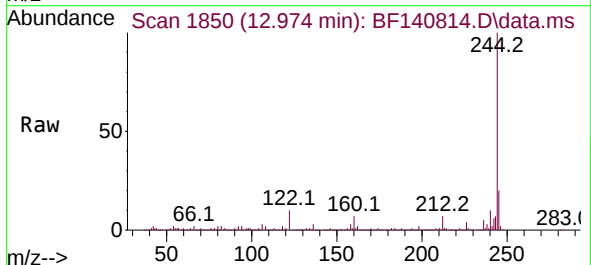
Instrument :
BNA_F
ClientSampleId :
TP-12

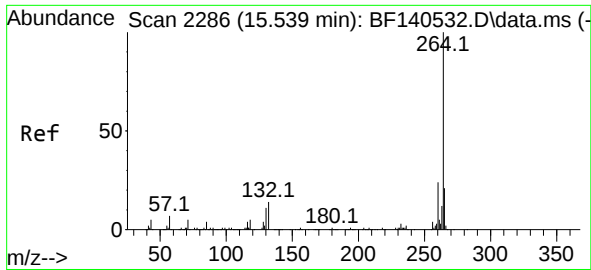
Tgt Ion:184 Resp: 9933
Ion Ratio Lower Upper
184 100
185 16.9 11.7 17.5
183 10.0 8.8 13.2



#79
Terphenyl-d14
Concen: 79.857 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.018 min
Lab File: BF140814.D
Acq: 10 Dec 2024 18:52

Tgt Ion:244 Resp: 680976
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 10.3 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140814.D

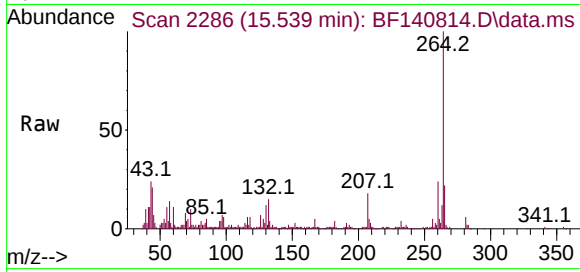
Acq: 10 Dec 2024 18:52

Instrument :

BNA_F

ClientSampleId :

TP-12



Tgt Ion:264 Resp: 93176

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 21.6 16.6 25.0

