

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121124\
 Data File : BF140833.D
 Acq On : 11 Dec 2024 17:01
 Operator : RC/JU
 Sample : P5245-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12016

Quant Time: Dec 11 18:33:00 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)

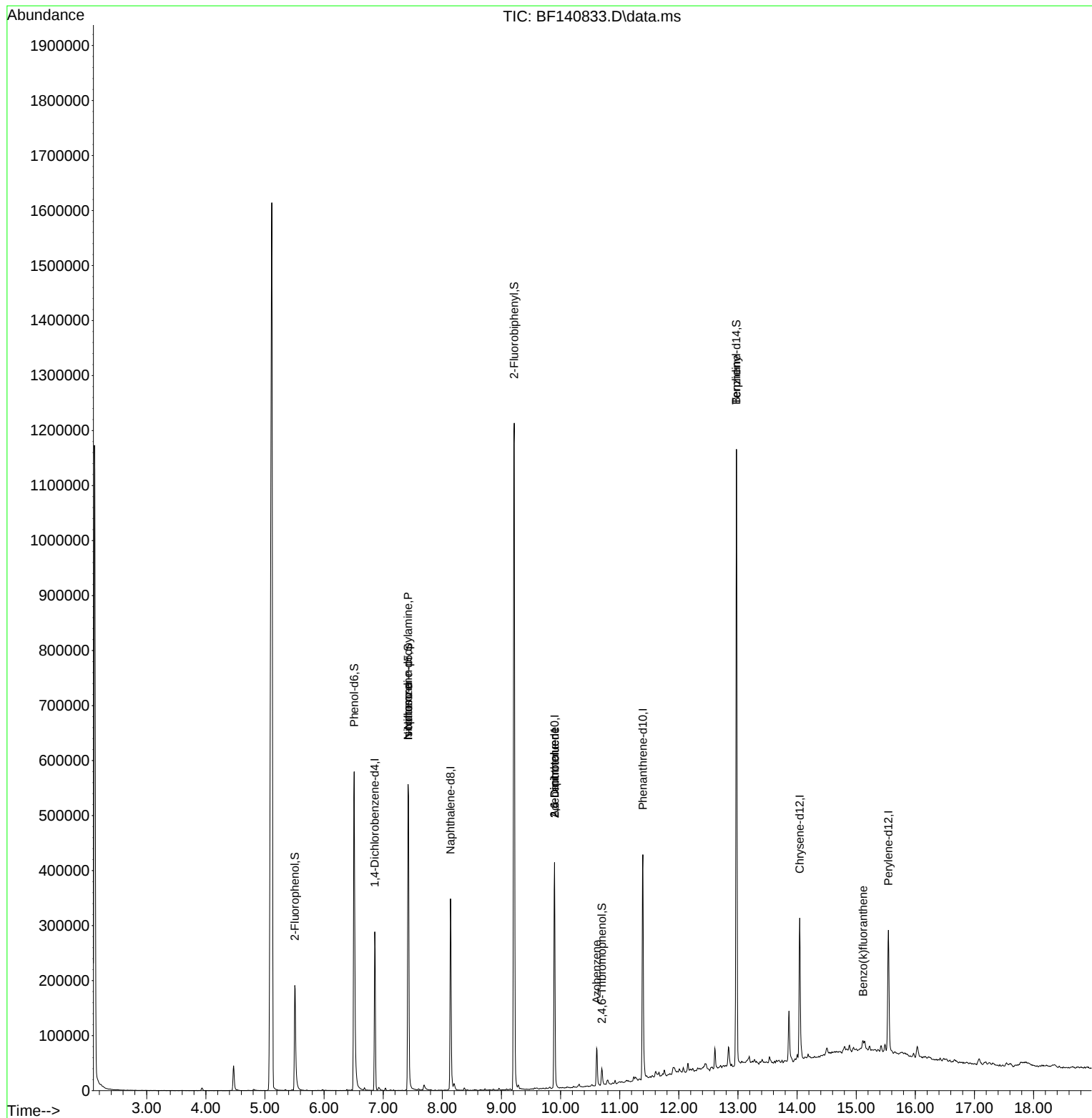
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	61403	20.000	ng	-0.02
21) Naphthalene-d8	8.139	136	231849	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	128197	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	234662	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	123710	20.000	ng	0.00
86) Perylene-d12	15.545	264	135678	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	92766	25.777	ng	0.00
7) Phenol-d6	6.510	99	318114	66.863	ng	0.00
23) Nitrobenzene-d5	7.422	82	270125	59.595	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	5984	4.364	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	560030	65.088	ng	-0.02
79) Terphenyl-d14	12.974	244	540391	68.019	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.422	70	35956	12.788	ng	# 77
25) Isophorone	7.422	82	270123	35.730	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	16152	8.435	ng	# 21
57) 2,4-Dinitrotoluene	9.898	165	16152	6.347	ng	# 18
63) Azobenzene	10.610	77	19965	2.458	ng	# 1
77) Benzidine	12.974	184	8285	2.303	ng	95
89) Benzo(k)fluoranthene	15.115	252	15968	2.141	ng	# 92

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

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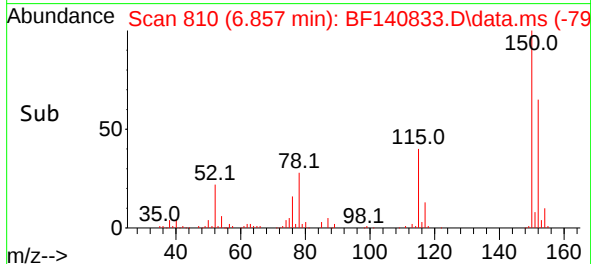
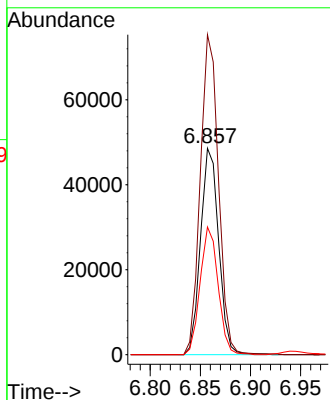
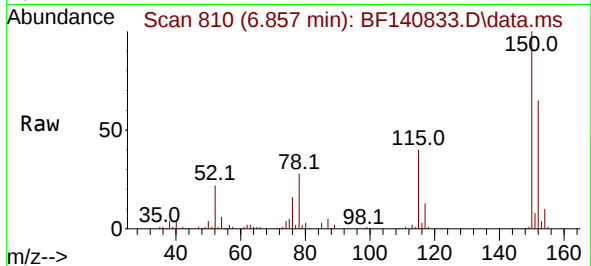




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

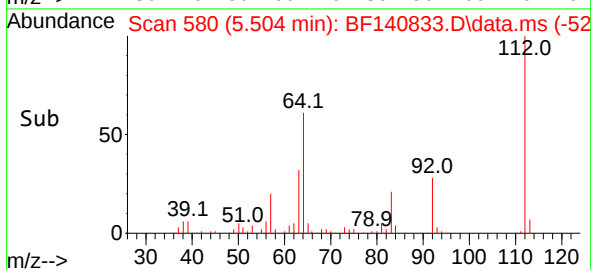
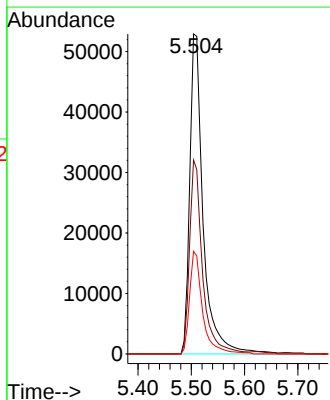
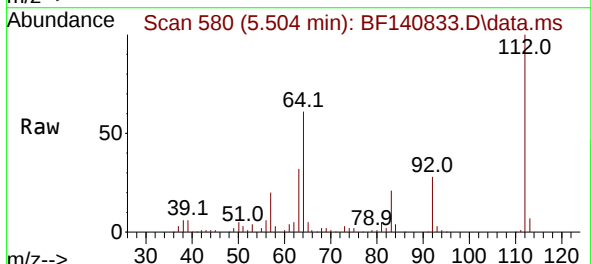
Instrument :
BNA_F
ClientSampleId :
72-12016

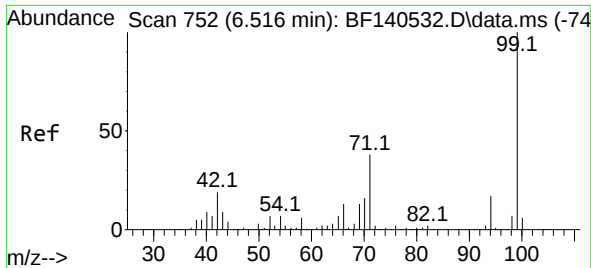
Tgt Ion:152 Resp: 61403
Ion Ratio Lower Upper
152 100
150 155.0 128.5 192.7
115 61.9 50.2 75.4



#5
2-Fluorophenol
Concen: 25.777 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

Tgt Ion:112 Resp: 92766
Ion Ratio Lower Upper
112 100
64 60.6 49.2 73.8
63 32.1 27.0 40.4

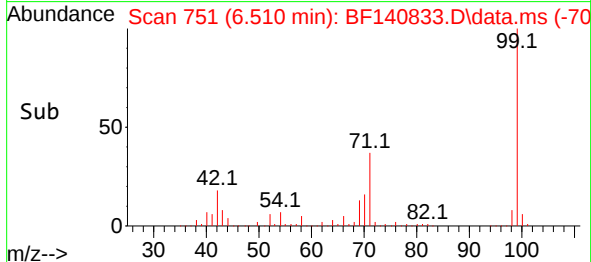
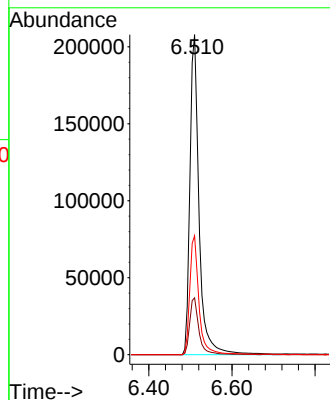
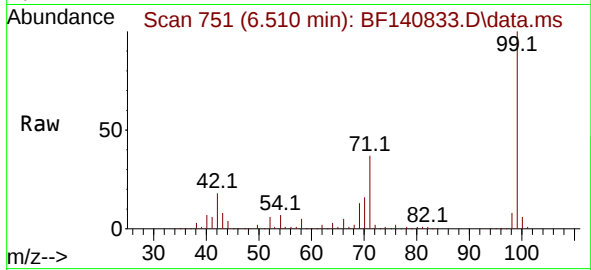




#7
Phenol-d6
Concen: 66.863 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

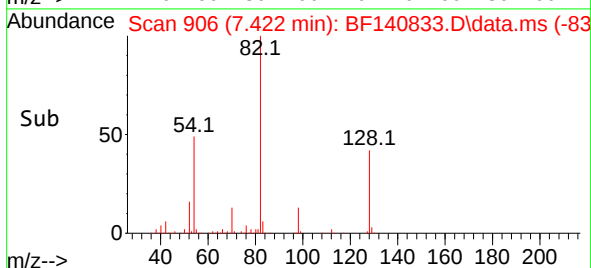
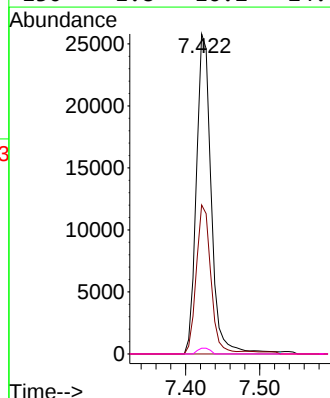
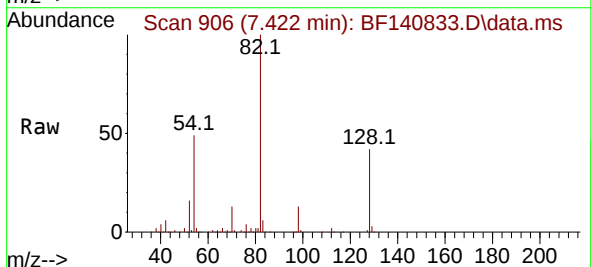
Instrument :
BNA_F
ClientSampleId :
72-12016

Tgt Ion: 99 Resp: 318114
Ion Ratio Lower Upper
99 100
42 17.8 15.4 23.0
71 37.2 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.788 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

Tgt Ion: 70 Resp: 35956
Ion Ratio Lower Upper
70 100
42 46.5 47.6 71.4#
101 0.0 7.6 11.4#
130 1.8 16.2 24.4#



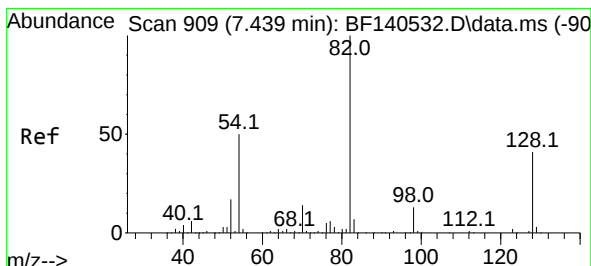
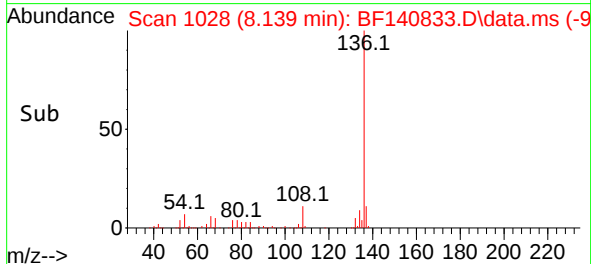
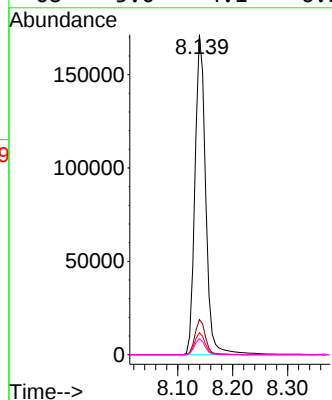
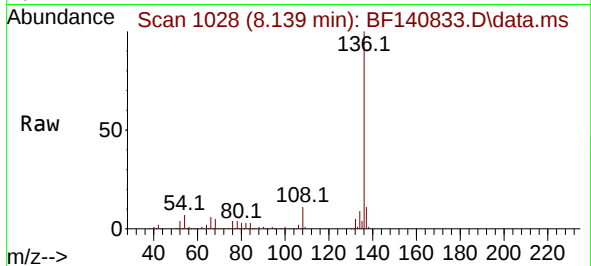


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.018 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

Instrument :
BNA_F
ClientSampleId :
72-12016

Tgt Ion:136 Resp: 231849

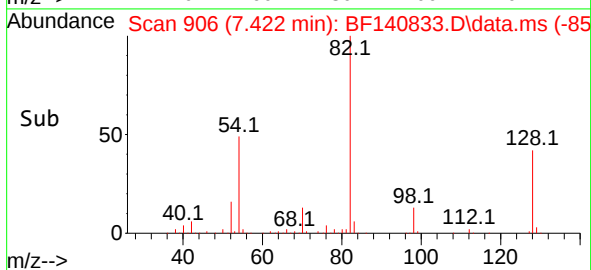
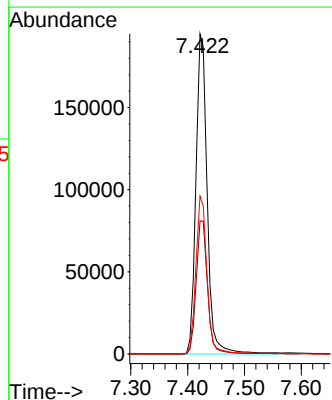
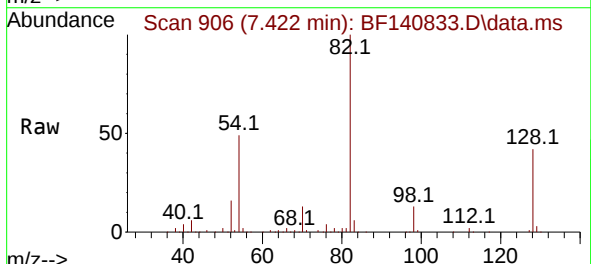
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	6.9	5.8	8.8
68	5.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 59.595 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

Tgt Ion: 82 Resp: 270125

Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.0	49.4
54	49.3	39.5	59.3

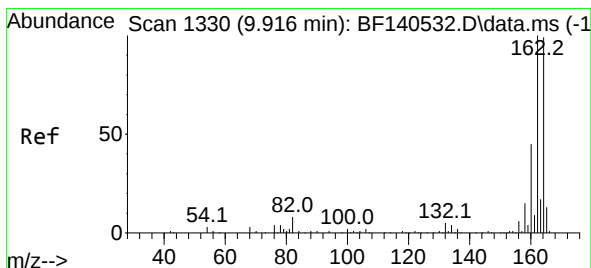
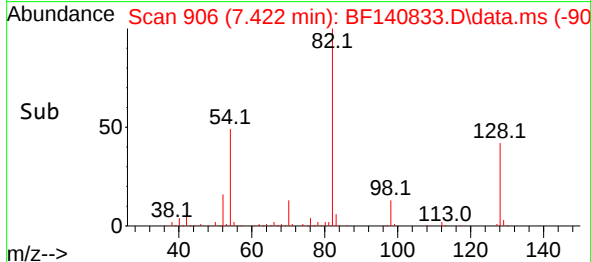
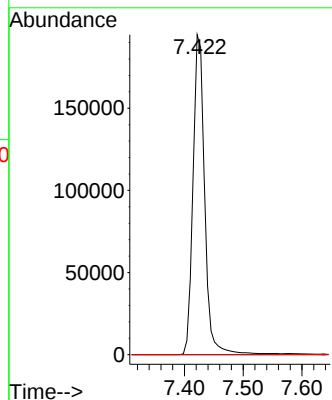
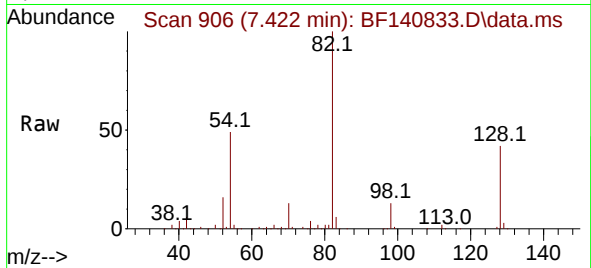




#25
Isophorone
Concen: 35.730 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

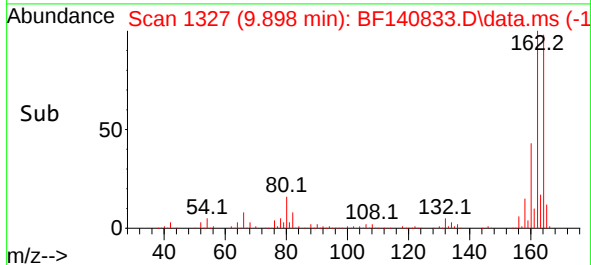
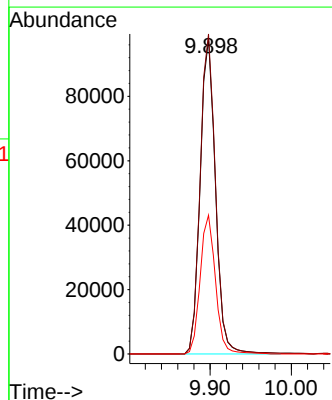
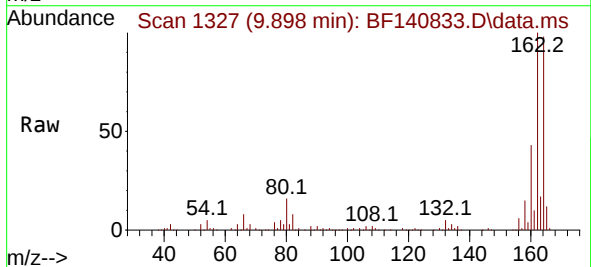
Instrument :
BNA_F
ClientSampleId :
72-12016

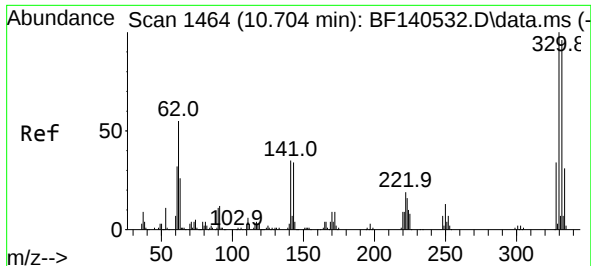
Tgt Ion: 82 Resp: 270123
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

Tgt Ion:164 Resp: 128197
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 44.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 4.364 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140833.D

Acq: 11 Dec 2024 17:01

Instrument :

BNA_F

ClientSampleId :

72-12016

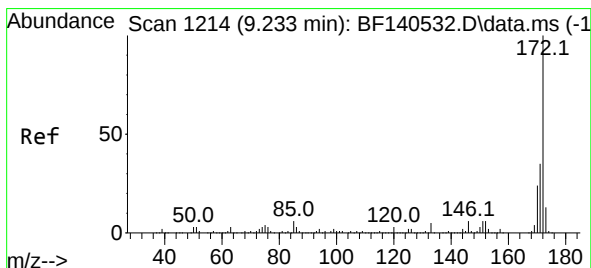
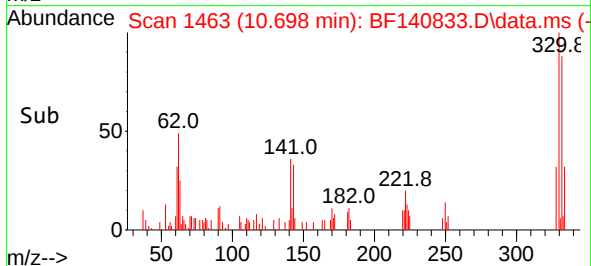
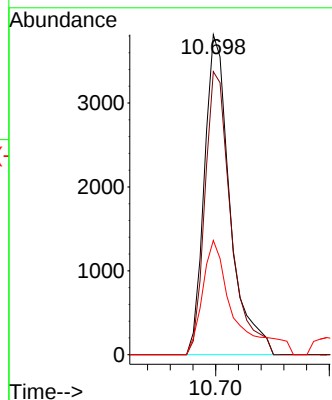
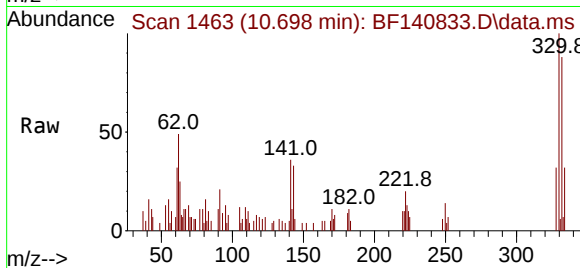
Tgt Ion:330 Resp: 5984

Ion Ratio Lower Upper

330 100

332 89.7 76.9 115.3

141 42.9 26.7 40.1#



#45

2-Fluorobiphenyl

Concen: 65.088 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF140833.D

Acq: 11 Dec 2024 17:01

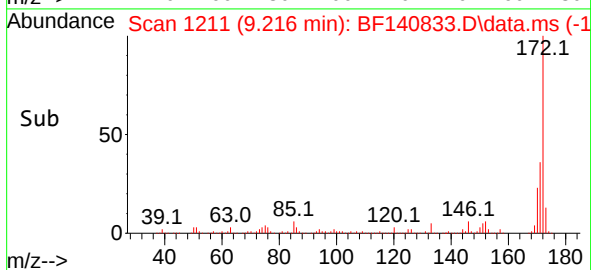
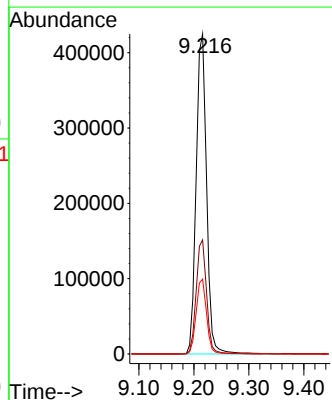
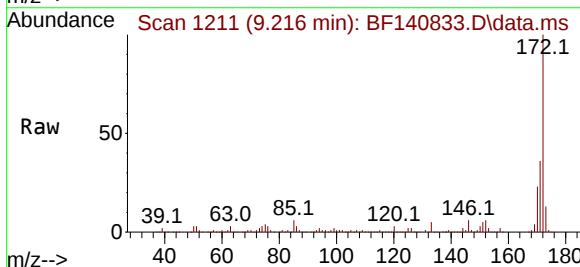
Tgt Ion:172 Resp: 560030

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.4 19.0 28.6

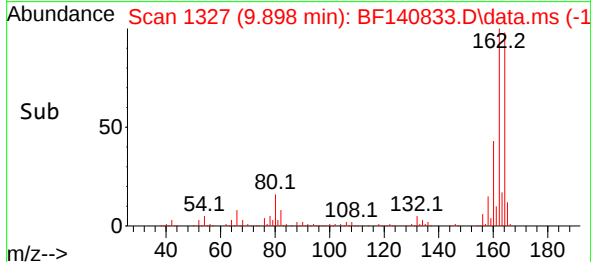
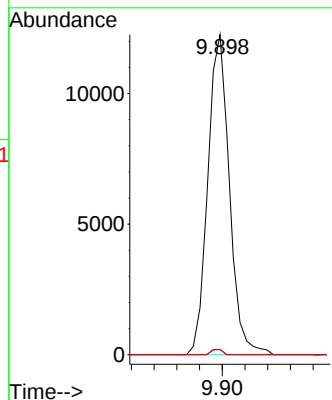
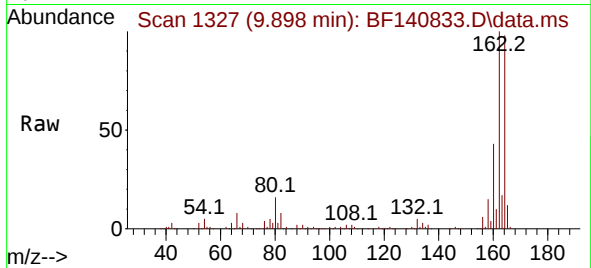




#51
2,6-Dinitrotoluene
Concen: 8.435 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

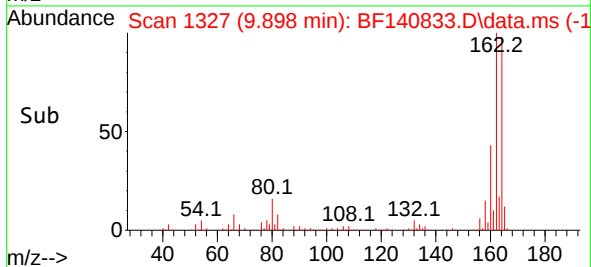
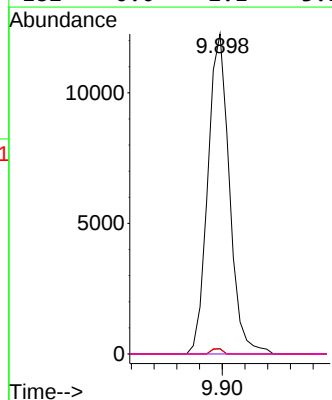
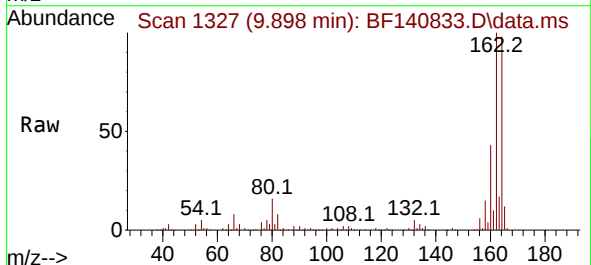
Instrument :
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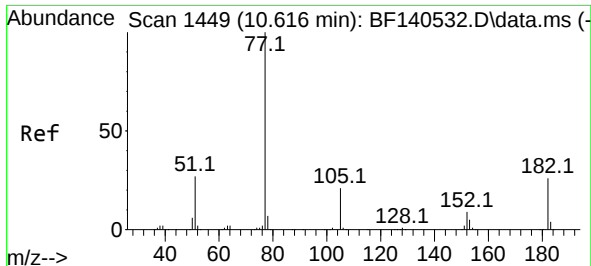
Tgt Ion:165 Resp: 16152
Ion Ratio Lower Upper
165 100
63 1.6 49.9 74.9#
89 1.6 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.347 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.206 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

Tgt Ion:165 Resp: 16152
Ion Ratio Lower Upper
165 100
63 1.6 41.7 62.5#
89 1.6 65.8 98.8#
182 0.0 2.1 3.1#

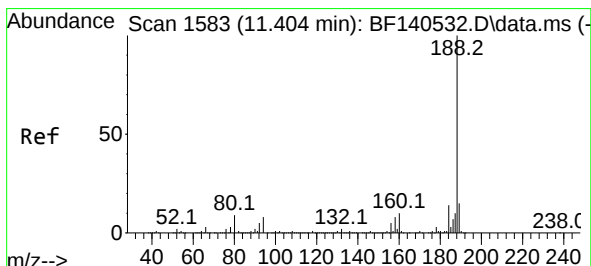
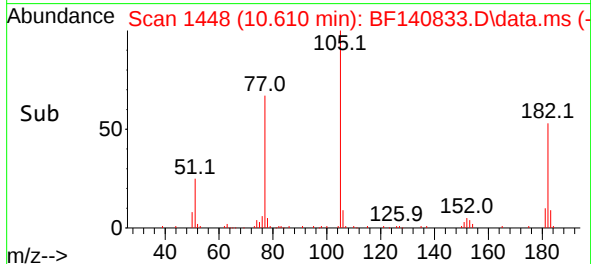
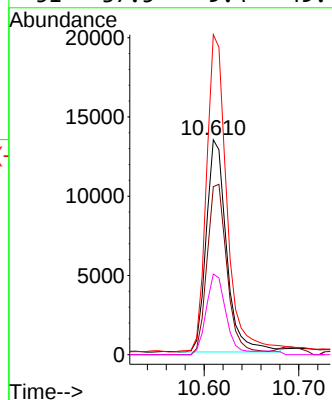
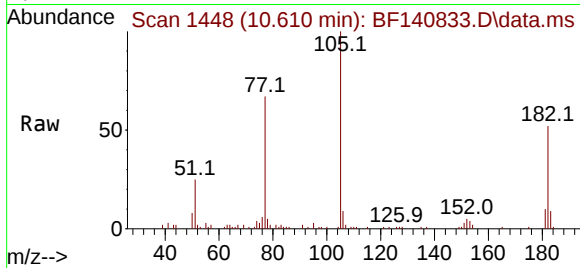




#63
Azobenzene
Concen: 2.458 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

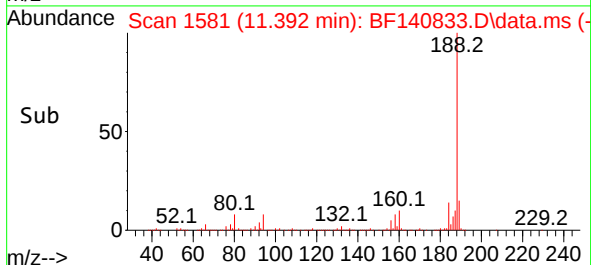
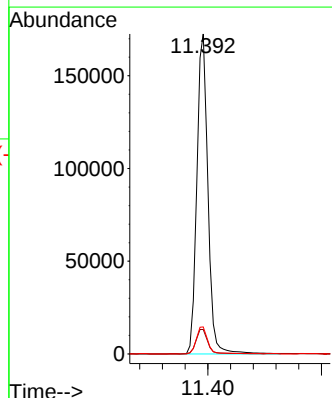
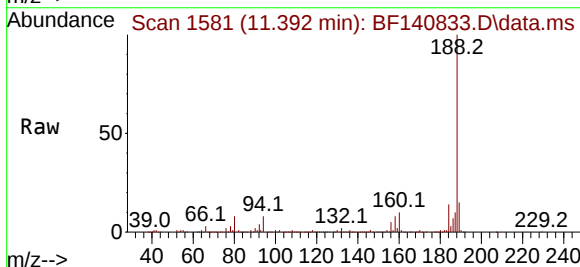
Instrument :
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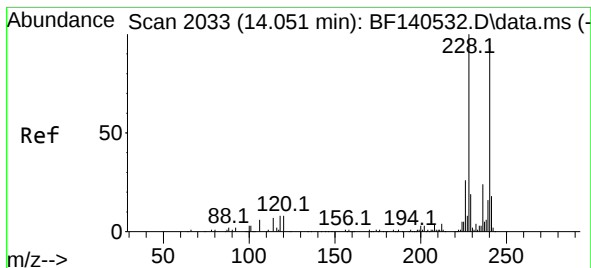
Tgt Ion: 77	Resp: 19965
Ion Ratio	Lower Upper
77 100	
182 78.1	5.3 45.3#
105 148.9	0.3 40.3#
51 37.5	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

Tgt Ion: 188	Resp: 234662
Ion Ratio	Lower Upper
188 100	
94 7.7	6.4 9.6
80 8.5	6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140833.D

Acq: 11 Dec 2024 17:01

Instrument :

BNA_F

ClientSampleId :

72-12016

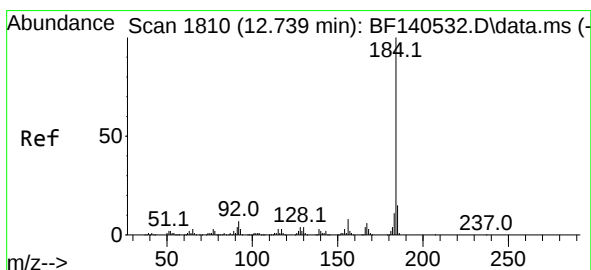
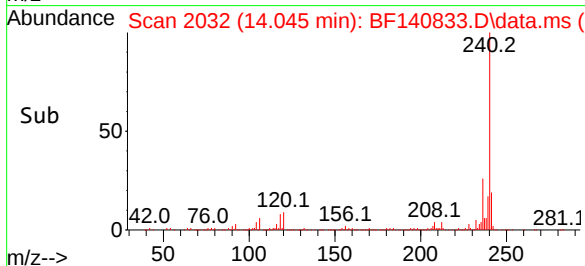
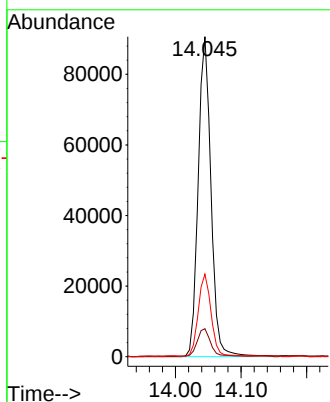
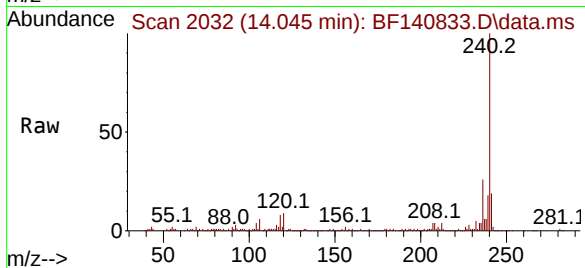
Tgt Ion:240 Resp: 123710

Ion Ratio Lower Upper

240 100

120 8.7 7.3 10.9

236 25.8 20.6 31.0



#77

Benzidine

Concen: 2.303 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.235 min

Lab File: BF140833.D

Acq: 11 Dec 2024 17:01

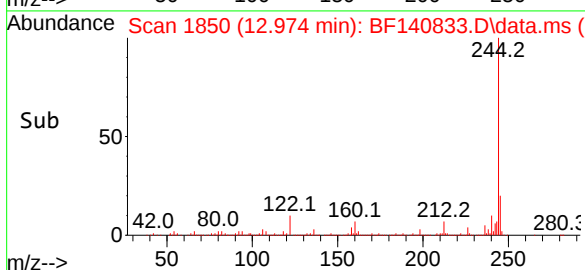
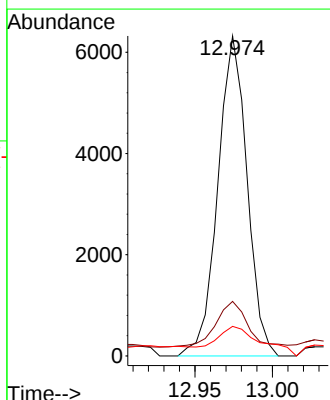
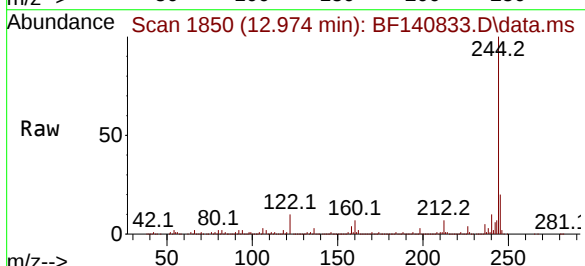
Tgt Ion:184 Resp: 8285

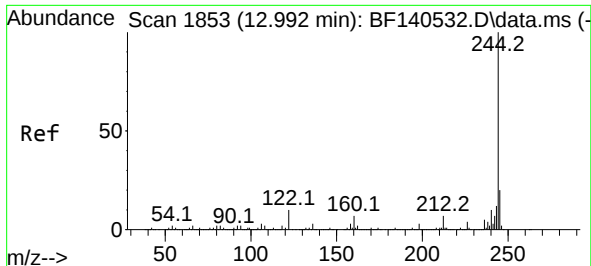
Ion Ratio Lower Upper

184 100

185 17.0 11.7 17.5

183 9.3 8.8 13.2

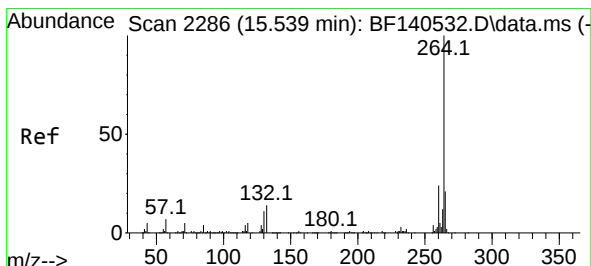
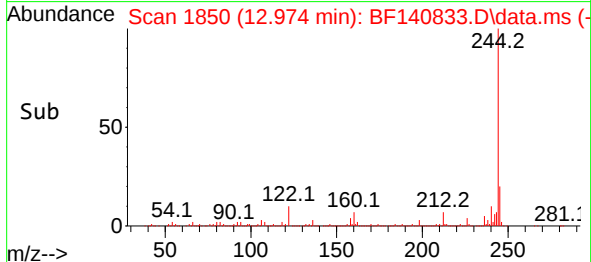
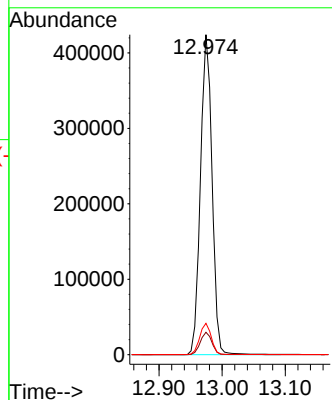
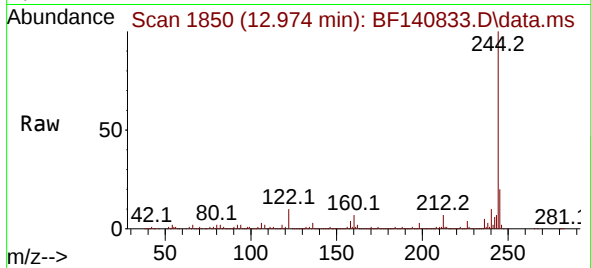




#79
Terphenyl-d14
Concen: 68.019 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.018 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

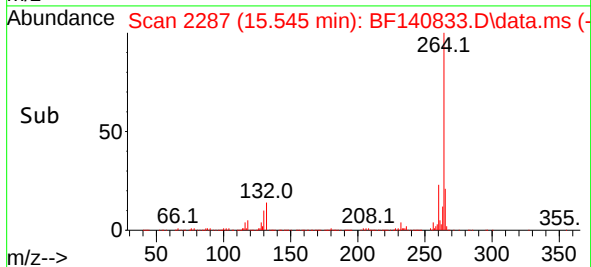
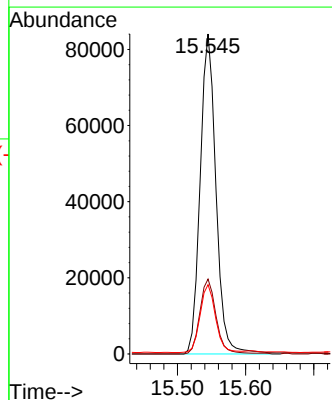
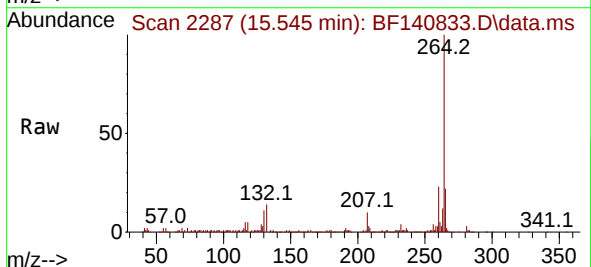
Instrument :
BNA_F
ClientSampleId :
72-12016

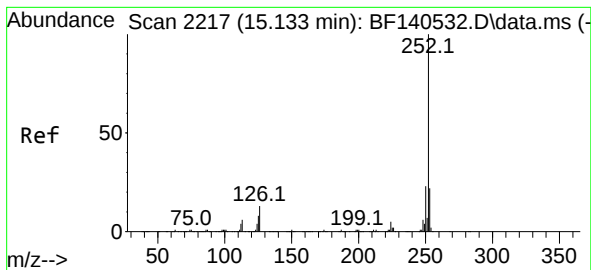
Tgt Ion:244 Resp: 540391
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 9.8 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. 0.006 min
Lab File: BF140833.D
Acq: 11 Dec 2024 17:01

Tgt Ion:264 Resp: 135678
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 21.6 16.6 25.0





#89

Benzo(k)fluoranthene

Concen: 2.141 ng

RT: 15.115 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140833.D

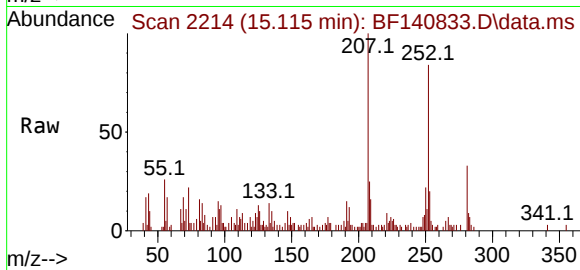
Acq: 11 Dec 2024 17:01

Instrument :

BNA_F

ClientSampleId :

72-12016



Tgt Ion:252 Resp: 15968

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 15.8 6.5 9.7#

