

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121124\
 Data File : BF140828.D
 Acq On : 11 Dec 2024 14:42
 Operator : RC/JU
 Sample : PB165479BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165479BL

Quant Time: Dec 11 16:30:41 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)

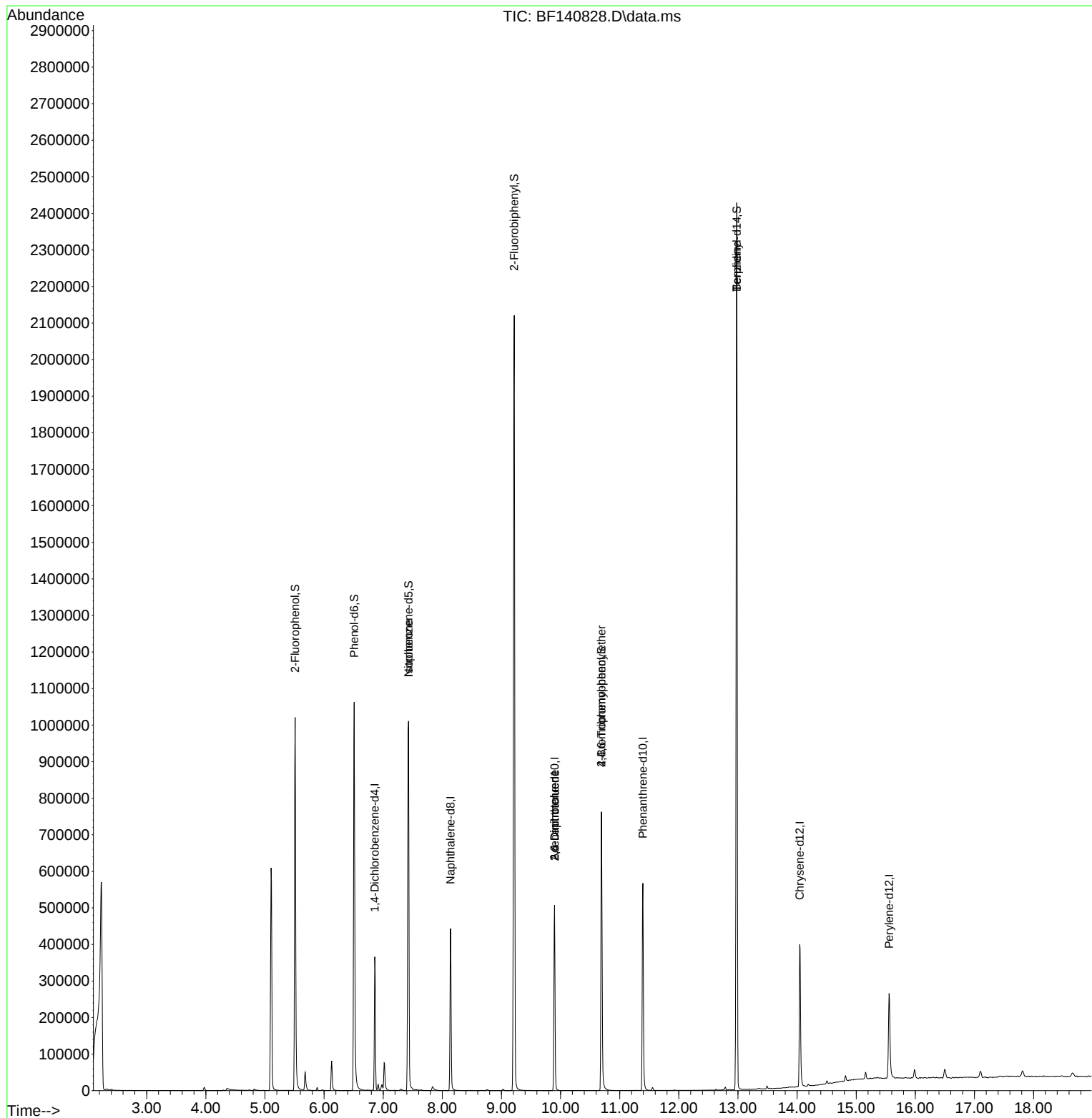
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	78777	20.000	ng	-0.02
21) Naphthalene-d8	8.139	136	296242	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	160681	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	337784	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	220630	20.000	ng	0.00
86) Perylene-d12	15.557	264	162721	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	401783	87.021	ng	0.01
7) Phenol-d6	6.510	99	536686	87.925	ng	0.00
23) Nitrobenzene-d5	7.428	82	509141	87.910	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	143459	83.479	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	1018609	94.452	ng	-0.02
79) Terphenyl-d14	12.980	244	1261546	89.036	ng	-0.01
Target Compounds						
25) Isophorone	7.428	82	507669	52.554	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	20089	8.370	ng	# 21
57) 2,4-Dinitrotoluene	9.898	165	20089	6.298	ng	# 18
67) 4-Bromophenyl-phenylether	10.692	248	8914	2.562	ng	# 1
77) Benzidine	12.980	184	16908	2.636	ng	# 92

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

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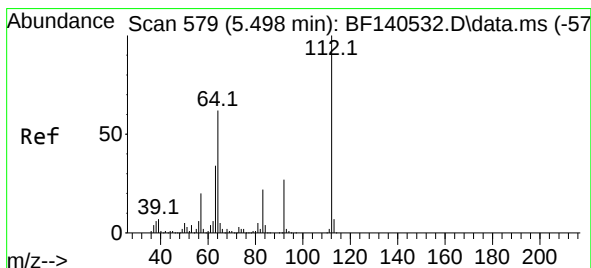
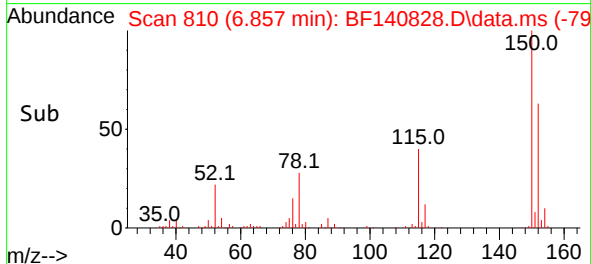
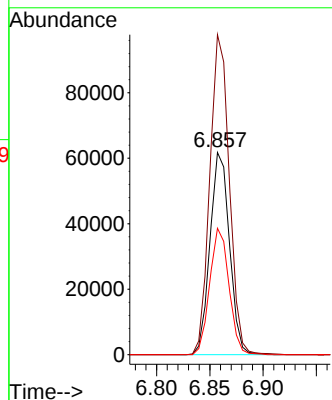
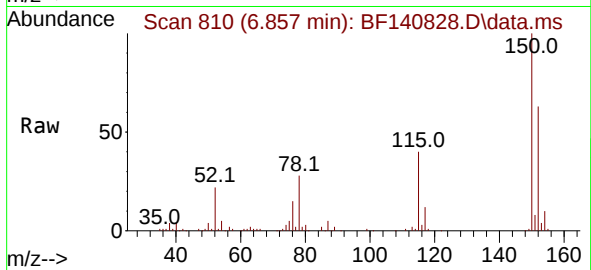




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.018 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

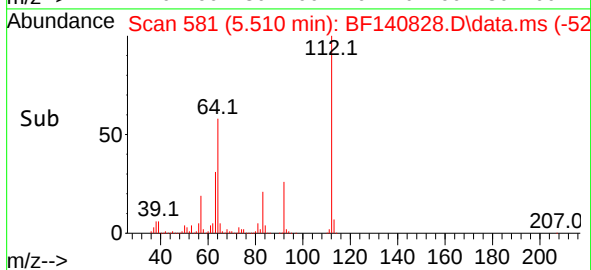
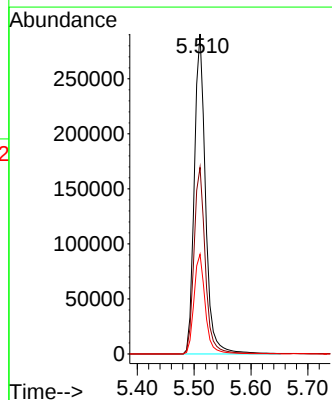
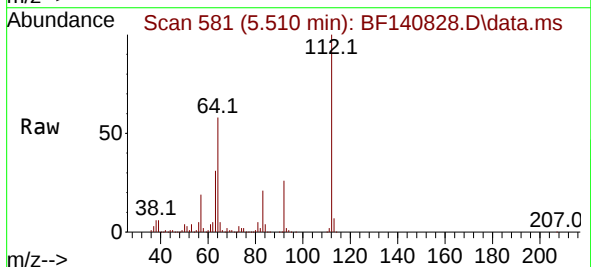
Instrument :
BNA_F
ClientSampleId :
PB165479BL

Tgt Ion:152 Resp: 78777
Ion Ratio Lower Upper
152 100
150 158.2 128.5 192.7
115 62.5 50.2 75.4



#5
2-Fluorophenol
Concen: 87.021 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

Tgt Ion:112 Resp: 401783
Ion Ratio Lower Upper
112 100
64 58.3 49.2 73.8
63 31.2 27.0 40.4

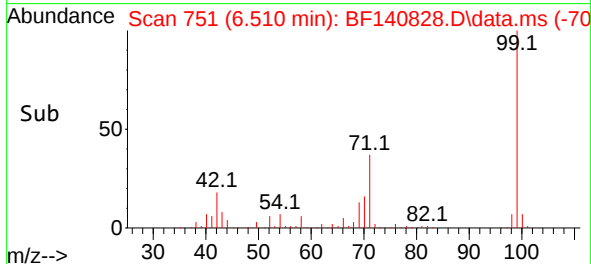
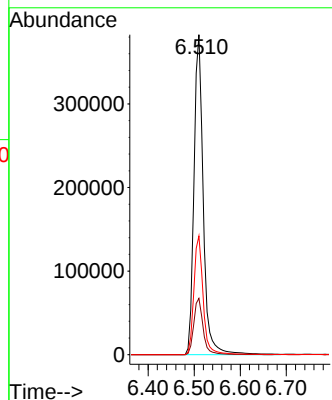
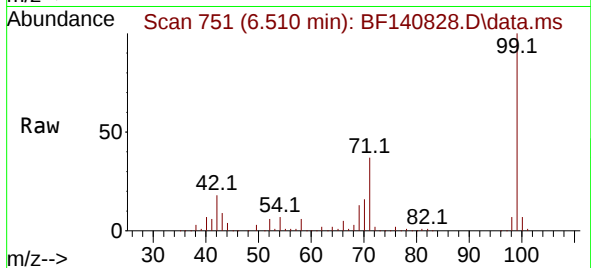




#7
Phenol-d6
Concen: 87.925 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

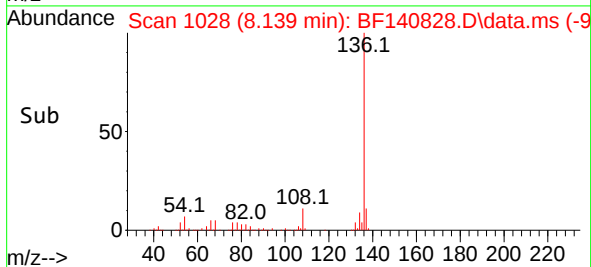
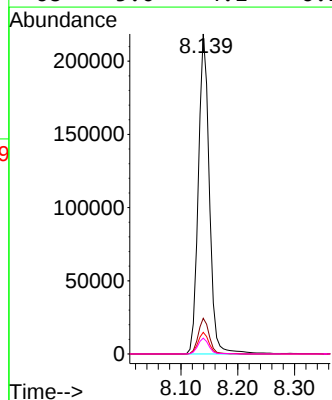
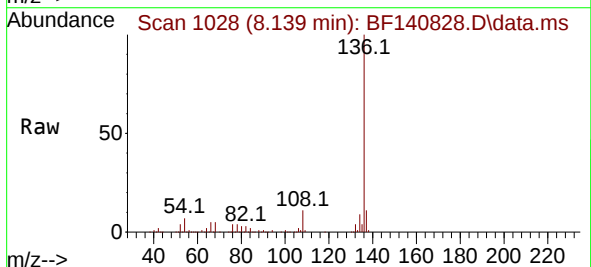
Instrument :
BNA_F
ClientSampleId :
PB165479BL

Tgt Ion: 99 Resp: 536686
Ion Ratio Lower Upper
99 100
42 17.6 15.4 23.0
71 37.1 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.018 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

Tgt Ion: 136 Resp: 296242
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 6.7 5.8 8.8
68 5.0 4.1 6.1

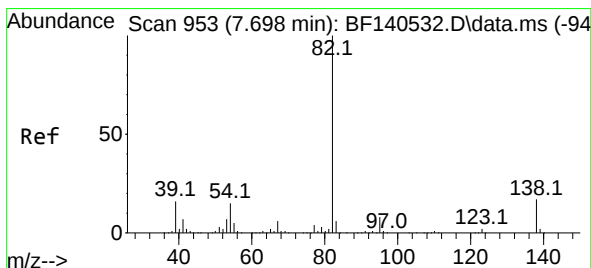
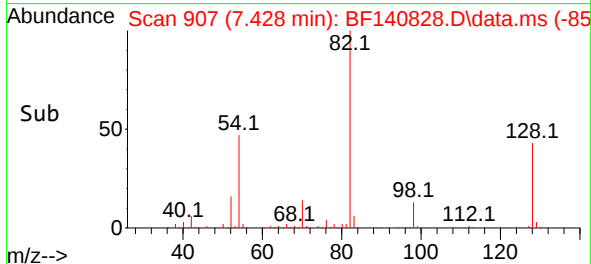
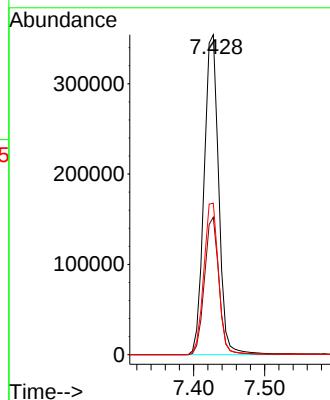
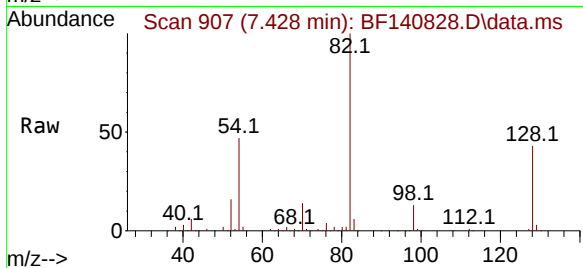




#23
Nitrobenzene-d5
Concen: 87.910 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

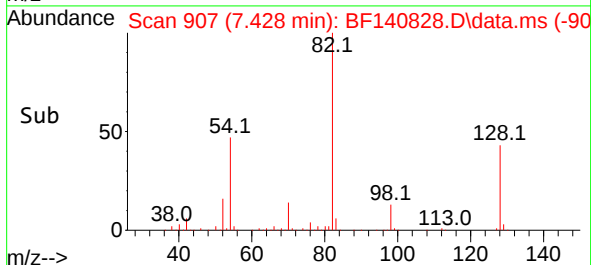
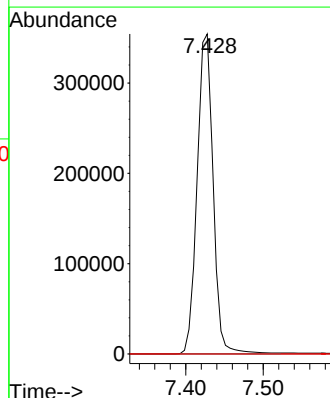
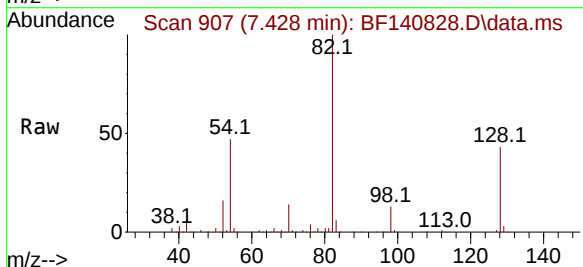
Instrument :
BNA_F
ClientSampleId :
PB165479BL

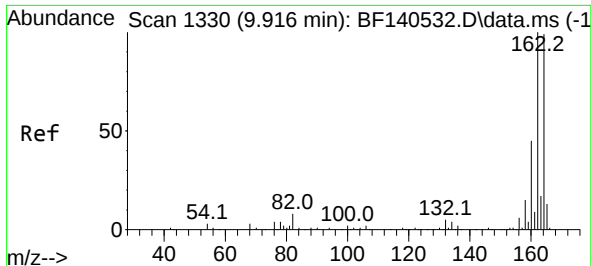
Tgt Ion: 82 Resp: 509141
Ion Ratio Lower Upper
82 100
128 43.0 33.0 49.4
54 47.3 39.5 59.3



#25
Isophorone
Concen: 52.554 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

Tgt Ion: 82 Resp: 507669
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# 1

Delta R.T. -0.018 min

Lab File: BF140828.D

Acq: 11 Dec 2024 14:42

Instrument :

BNA_F

ClientSampleId :

PB165479BL

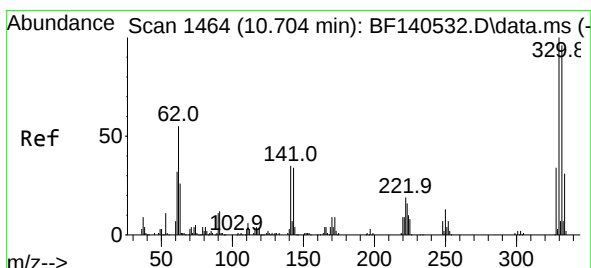
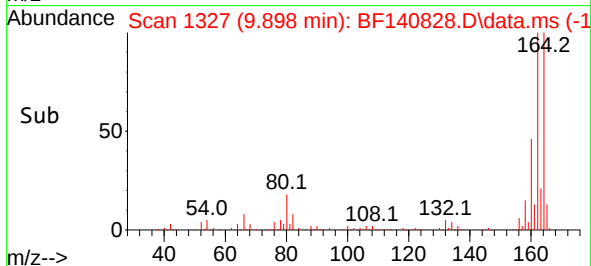
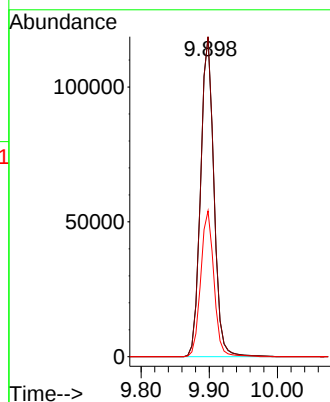
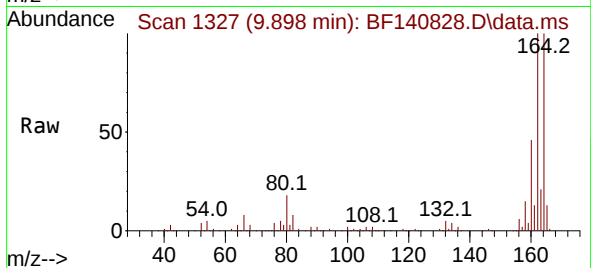
Tgt Ion:164 Resp: 160681

Ion Ratio Lower Upper

164 100

162 100.2 80.6 120.8

160 45.7 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 83.479 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF140828.D

Acq: 11 Dec 2024 14:42

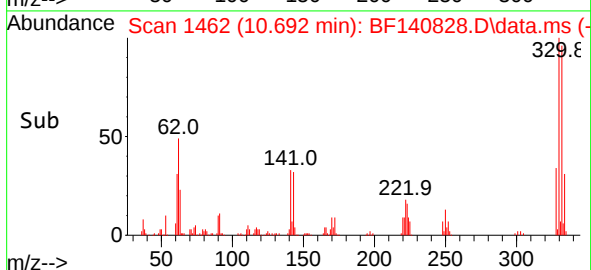
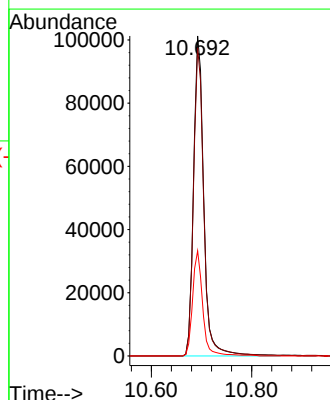
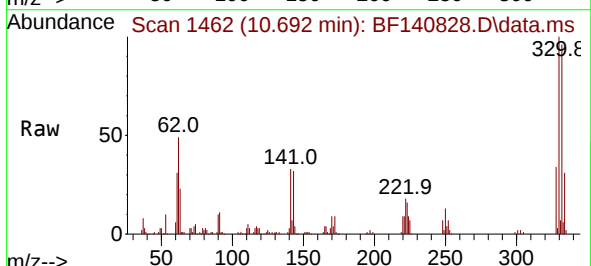
Tgt Ion:330 Resp: 143459

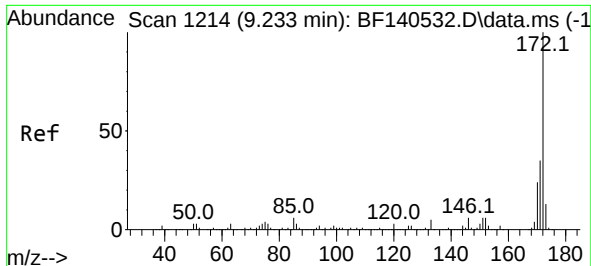
Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

141 32.5 26.7 40.1

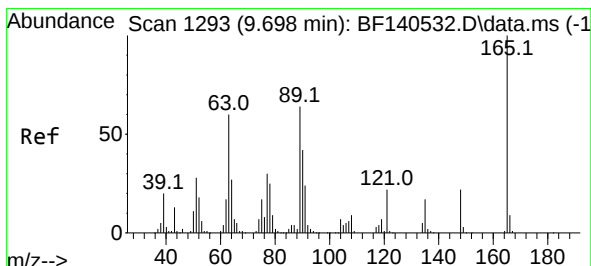
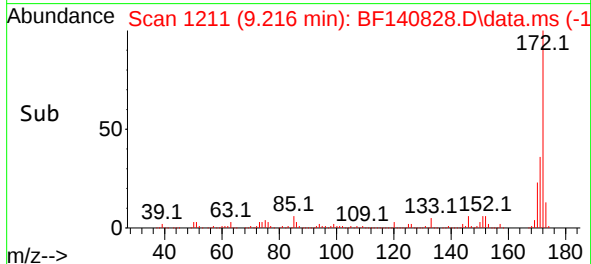
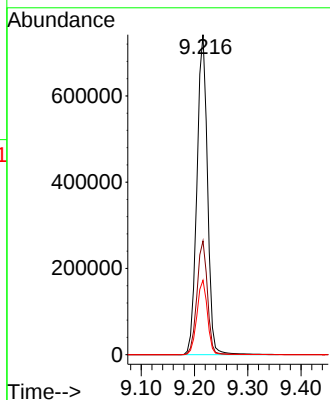
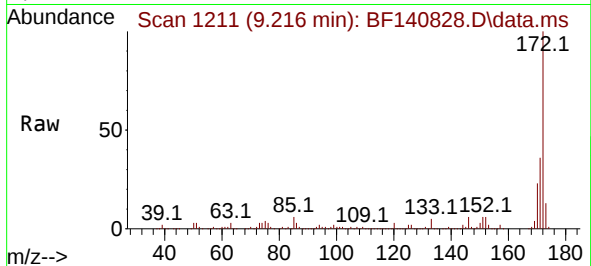




#45
2-Fluorobiphenyl
Concen: 94.452 ng
RT: 9.216 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

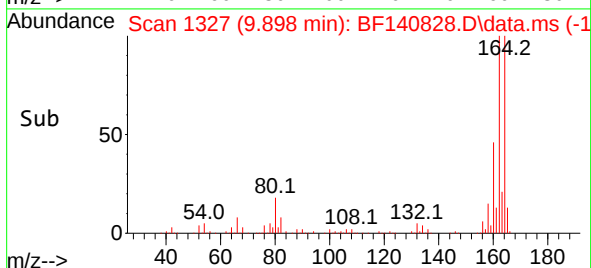
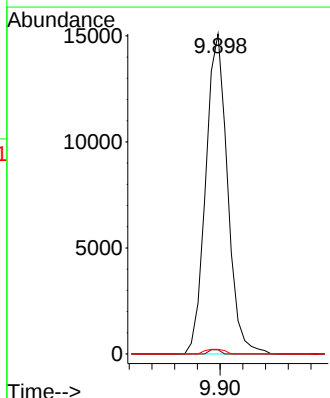
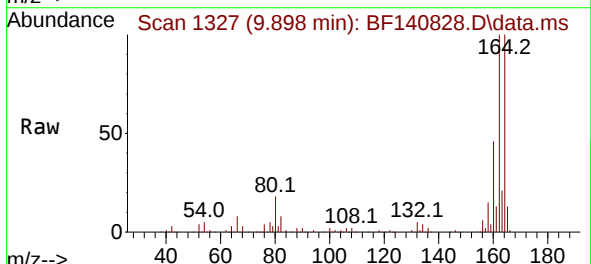
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ClientSampleId :
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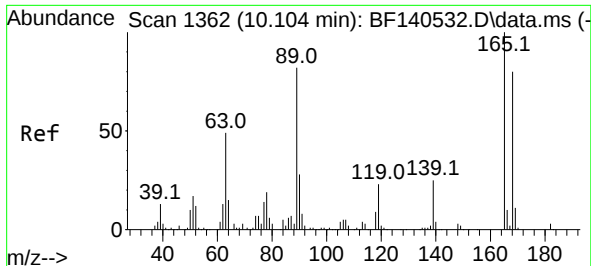
Tgt Ion:172 Resp: 1018609
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.2 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.370 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.200 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

Tgt Ion:165 Resp: 20089
Ion Ratio Lower Upper
165 100
63 1.3 49.9 74.9#
89 1.4 50.9 76.3#

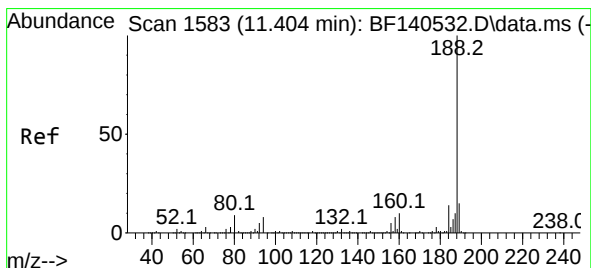
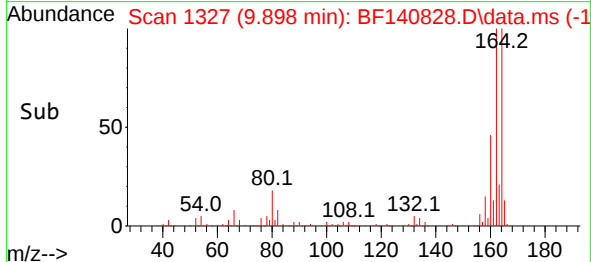
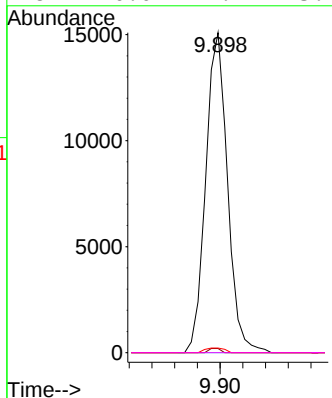
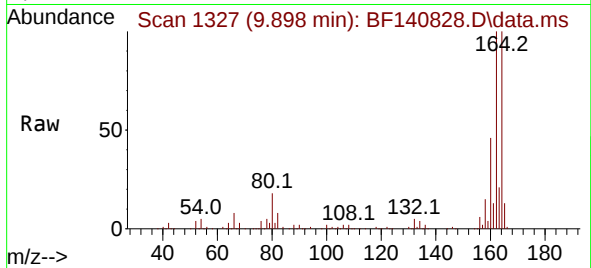




#57
 2,4-Dinitrotoluene
 Concen: 6.298 ng
 RT: 9.898 min Scan# 11
 Delta R.T. -0.206 min
 Lab File: BF140828.D
 Acq: 11 Dec 2024 14:42

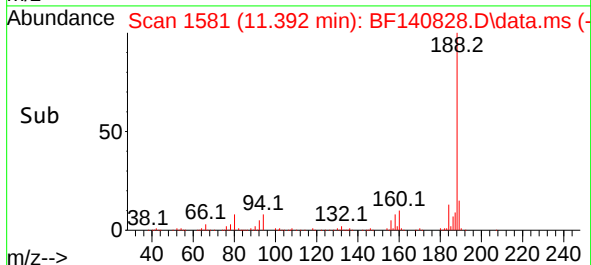
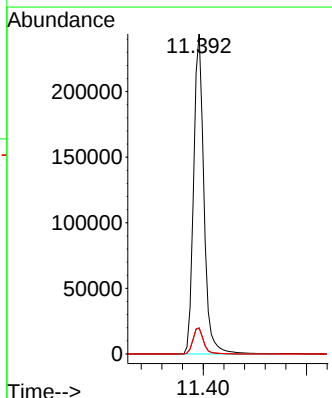
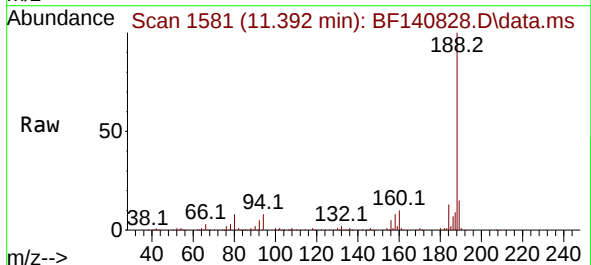
Instrument :
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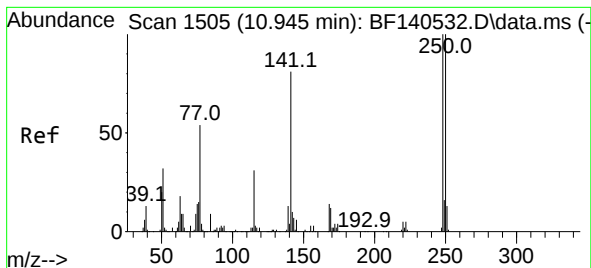
Tgt Ion:165	Resp:	20089
Ion Ratio	Lower	Upper
165	100	
63	1.3	41.7 62.5#
89	1.4	65.8 98.8#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.392 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF140828.D
 Acq: 11 Dec 2024 14:42

Tgt Ion:188	Resp:	337784
Ion Ratio	Lower	Upper
188	100	
94	8.1	6.4 9.6
80	8.1	6.9 10.3

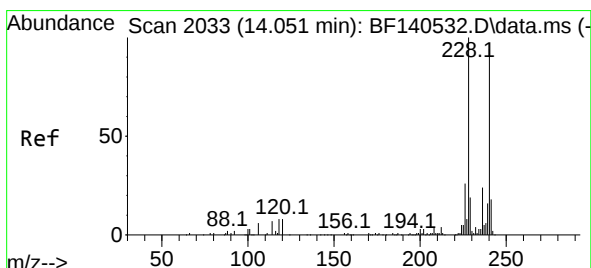
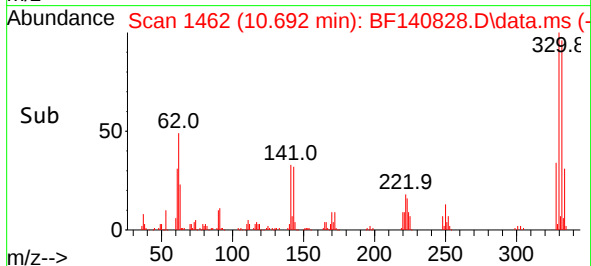
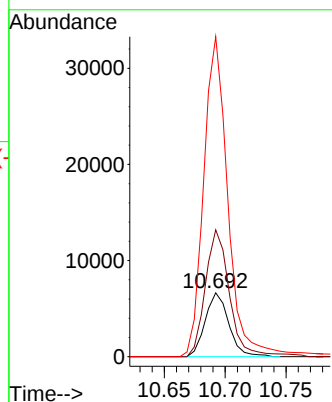
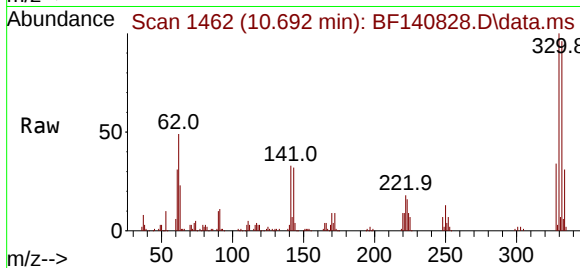




#67
4-Bromophenyl-phenylether
Concen: 2.562 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

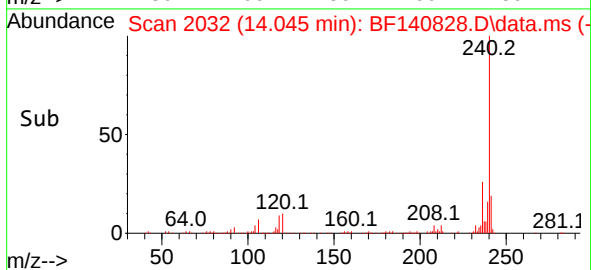
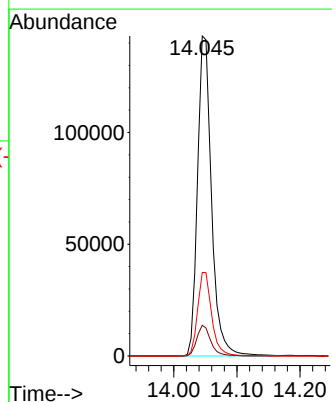
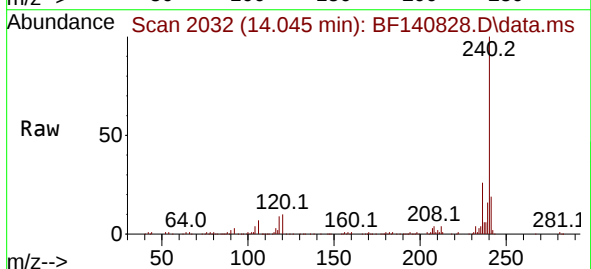
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BNA_F
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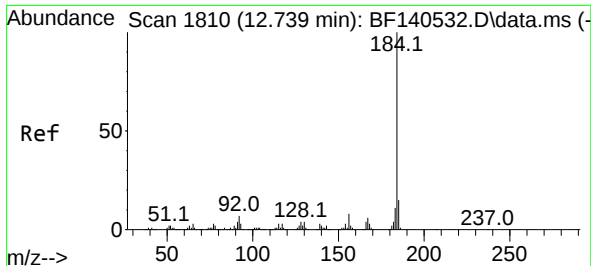
Tgt Ion:248 Resp: 8914
Ion Ratio Lower Upper
248 100
250 198.4 79.8 119.8#
141 500.6 64.7 97.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

Tgt Ion:240 Resp: 220630
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 26.1 20.6 31.0





#77

Benzidine

Concen: 2.636 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.241 min

Lab File: BF140828.D

Acq: 11 Dec 2024 14:42

Instrument :

BNA_F

ClientSampleId :

PB165479BL

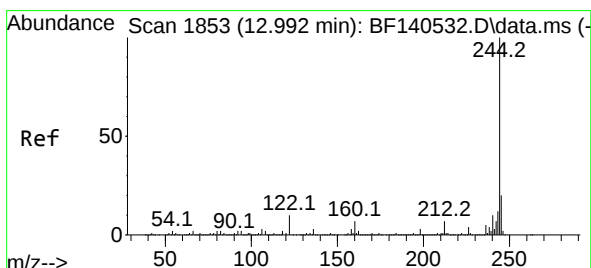
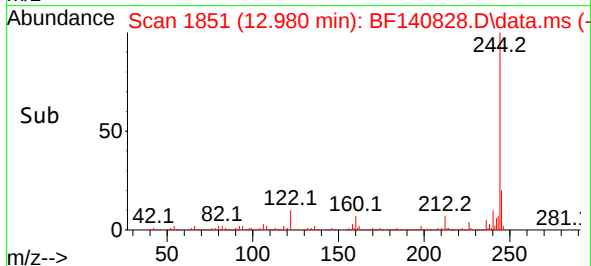
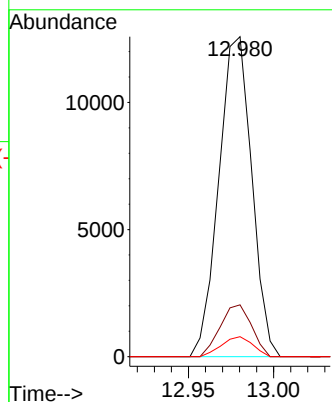
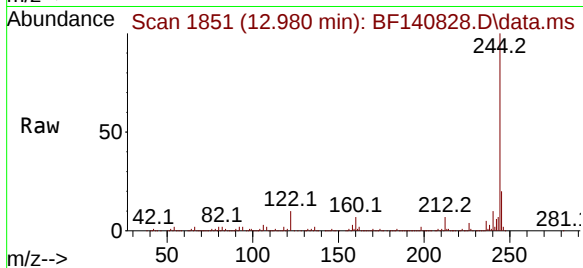
Tgt Ion:184 Resp: 16908

Ion Ratio Lower Upper

184 100

185 16.2 11.7 17.5

183 6.2 8.8 13.2#



#79

Terphenyl-d14

Concen: 89.036 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140828.D

Acq: 11 Dec 2024 14:42

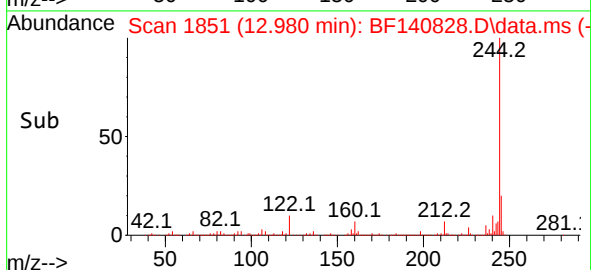
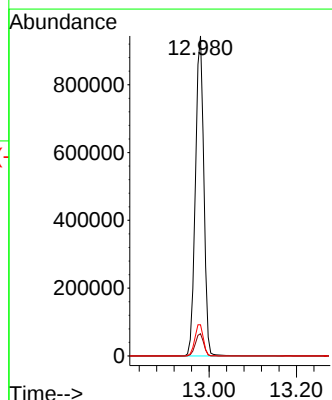
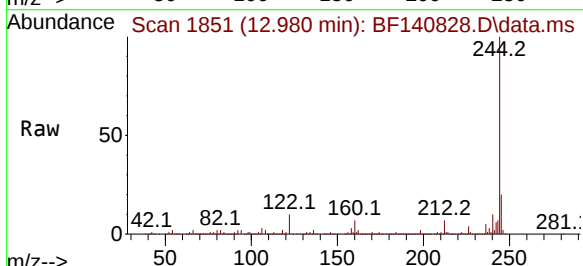
Tgt Ion:244 Resp: 1261546

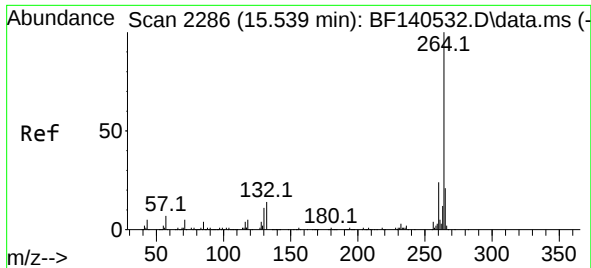
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

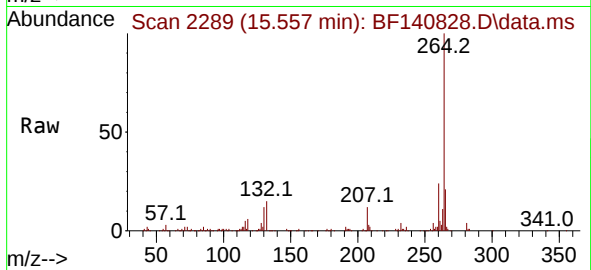
122 9.8 8.0 12.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF140828.D
Acq: 11 Dec 2024 14:42

Instrument :
BNA_F
ClientSampleId :
PB165479BL



Tgt Ion:264 Resp: 162721
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.6
265 21.5 16.6 25.0

