

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141850.D
 Acq On : 05 Mar 2025 18:20
 Operator : RC/JU
 Sample : Q1489-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 06 00:13:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

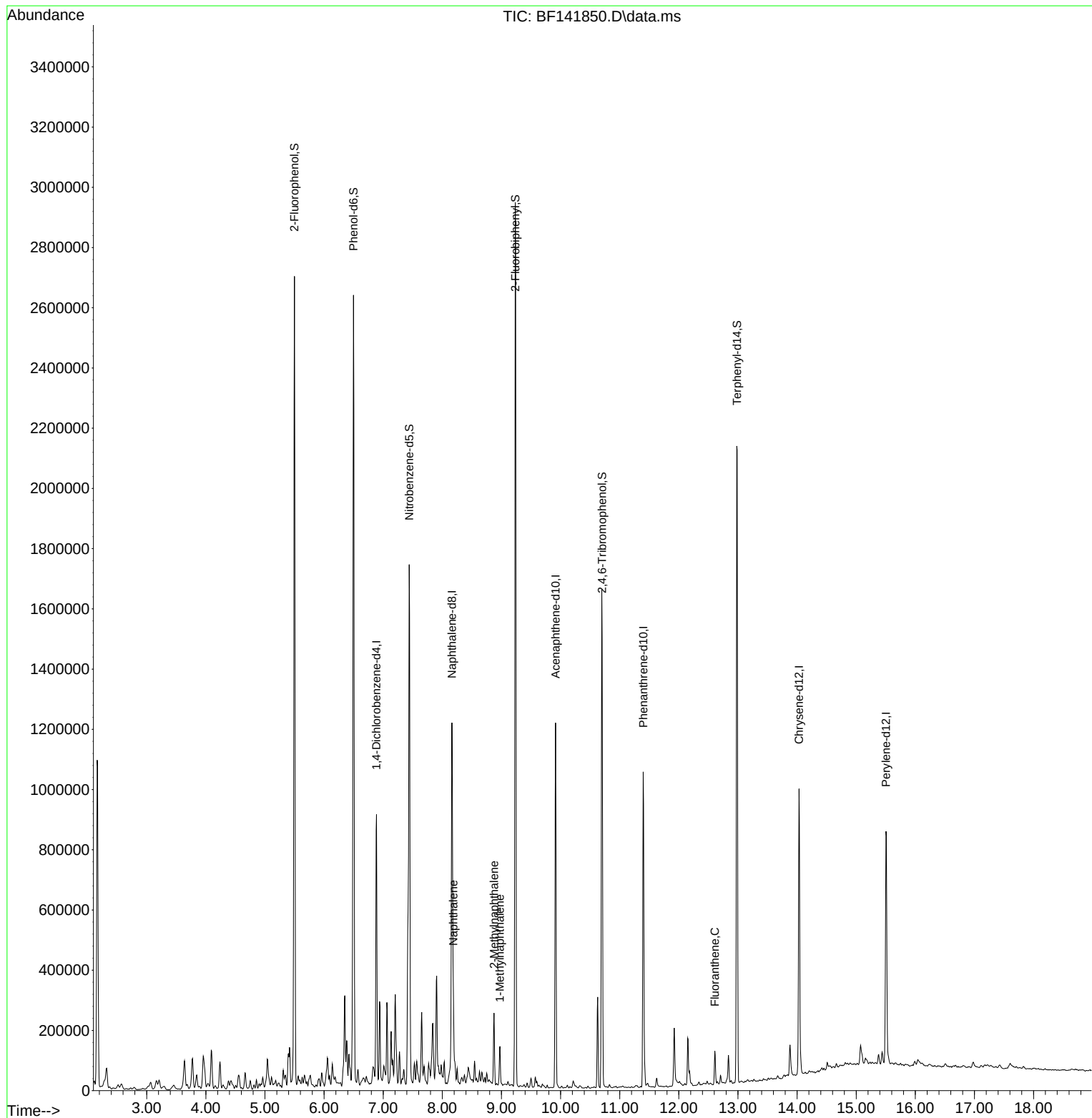
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	186987	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	685186	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	340299	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	520120	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	429467	20.000	ng	-0.02
86) Perylene-d12	15.504	264	459011	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	942839	80.524	ng	0.00
7) Phenol-d6	6.498	99	1185686	77.801	ng	-0.01
23) Nitrobenzene-d5	7.439	82	728334	67.945	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	261979	82.002	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	1266616	59.681	ng	-0.01
79) Terphenyl-d14	12.986	244	1052980	39.669	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.186	128	140139	3.979	ng	99
37) 2-Methylnaphthalene	8.875	142	88521	3.832	ng	99
38) 1-Methylnaphthalene	8.975	142	44862	2.024	ng	96
75) Fluoranthene	12.610	202	60479	2.122	ng	98

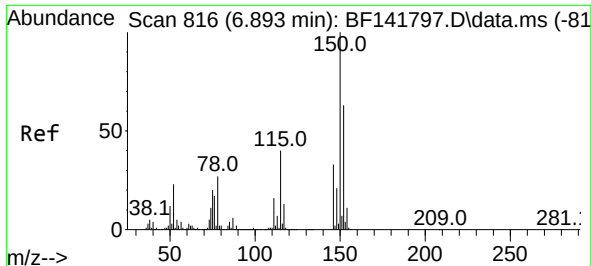
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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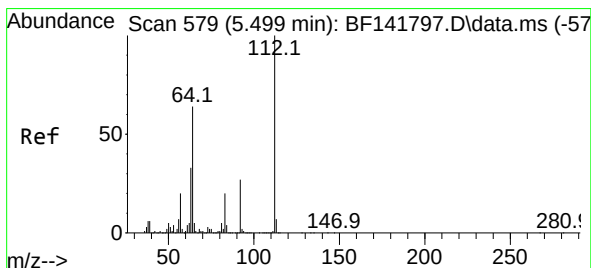
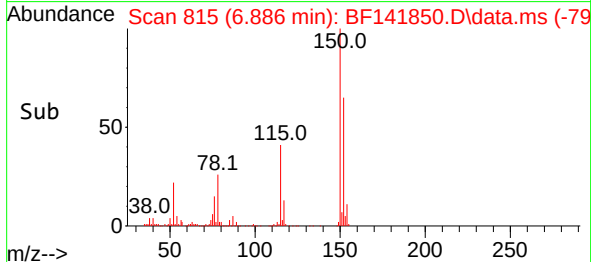
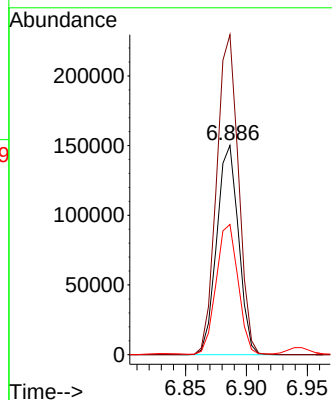
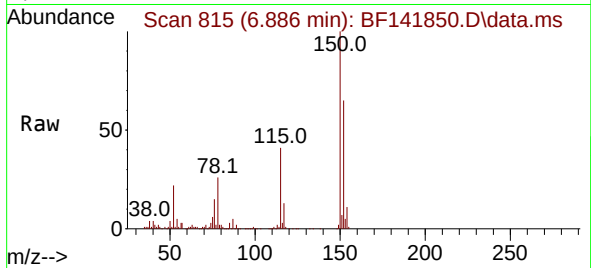




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 816
 Delta R.T. -0.007 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

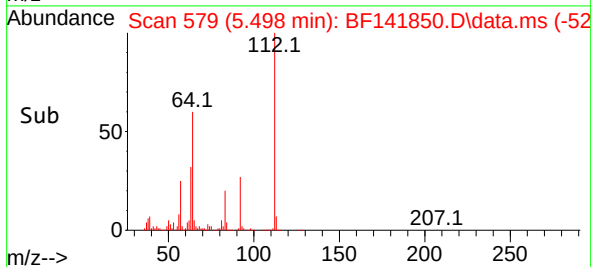
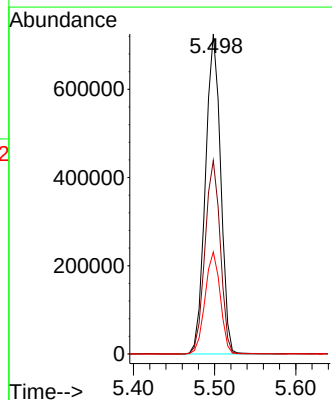
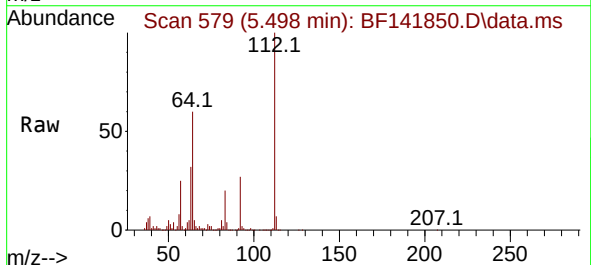
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

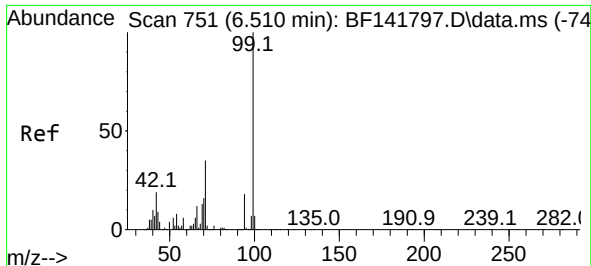
Tgt Ion:152 Resp: 186987
 Ion Ratio Lower Upper
 152 100
 150 152.9 127.5 191.3
 115 62.3 51.4 77.2



#5
 2-Fluorophenol
 Concen: 80.524 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion:112 Resp: 942839
 Ion Ratio Lower Upper
 112 100
 64 60.4 51.3 76.9
 63 31.8 26.2 39.4





#7

Phenol-d6

Concen: 77.801 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF141850.D

Acq: 05 Mar 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TP-3

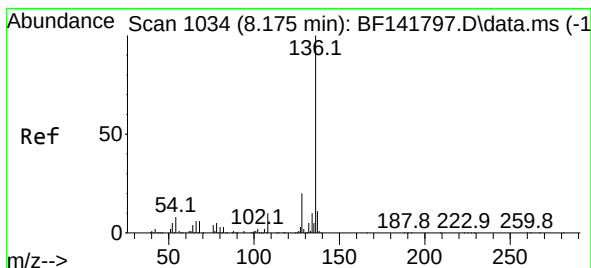
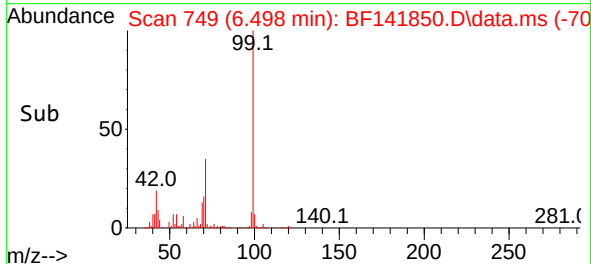
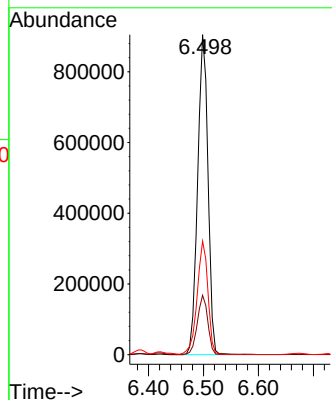
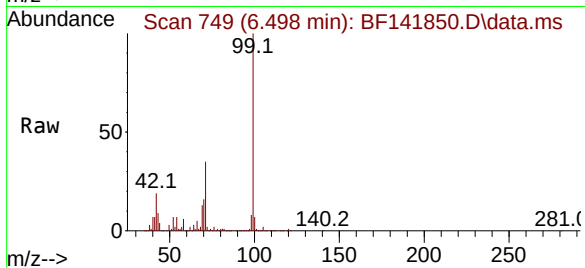
Tgt Ion: 99 Resp: 1185686

Ion Ratio Lower Upper

99 100

42 18.6 15.2 22.8

71 35.5 28.2 42.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1032

Delta R.T. -0.012 min

Lab File: BF141850.D

Acq: 05 Mar 2025 18:20

Tgt Ion: 136 Resp: 685186

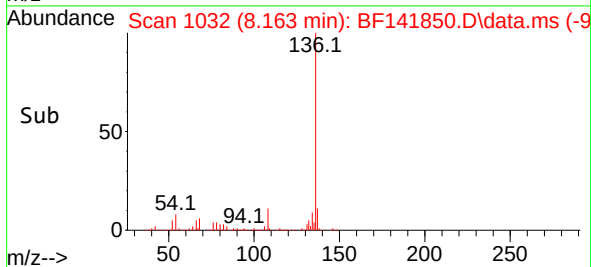
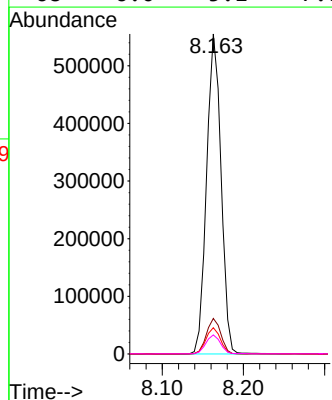
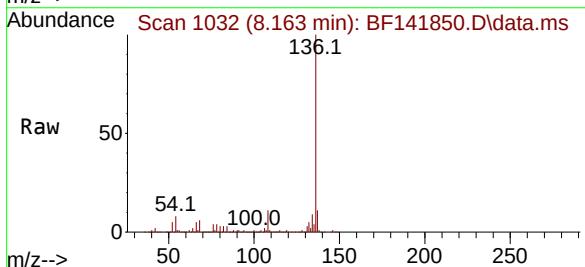
Ion Ratio Lower Upper

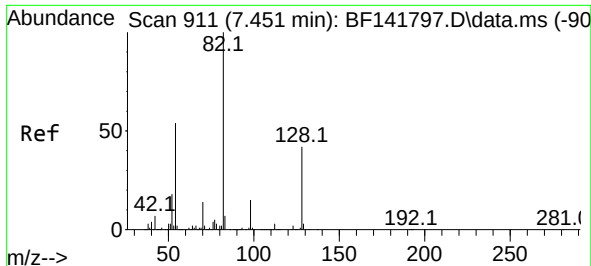
136 100

137 11.1 8.9 13.3

54 8.2 6.9 10.3

68 6.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 67.945 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141850.D

Acq: 05 Mar 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TP-3

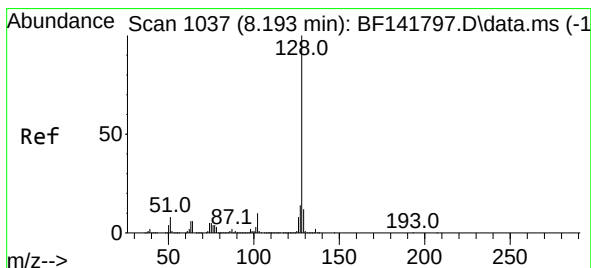
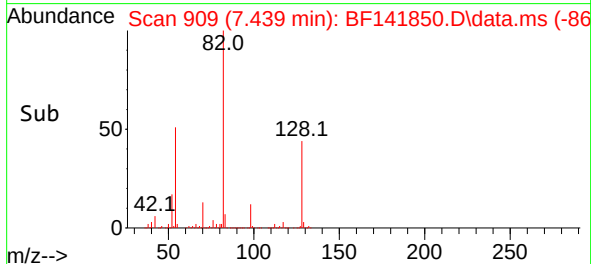
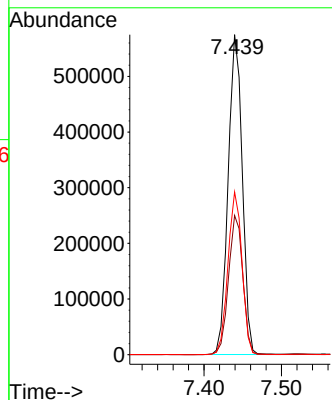
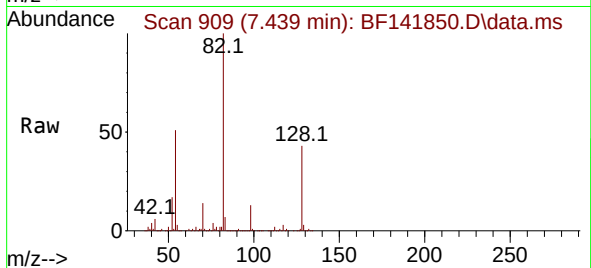
Tgt Ion: 82 Resp: 728334

Ion Ratio Lower Upper

82 100

128 43.5 33.5 50.3

54 50.8 42.7 64.1



#31

Naphthalene

Concen: 3.979 ng

RT: 8.186 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF141850.D

Acq: 05 Mar 2025 18:20

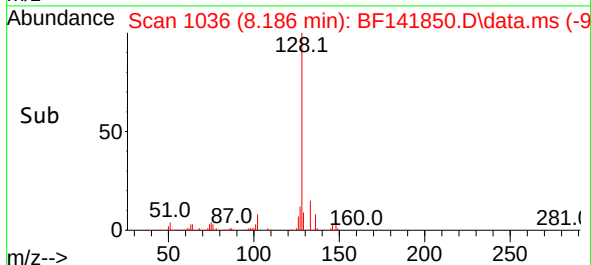
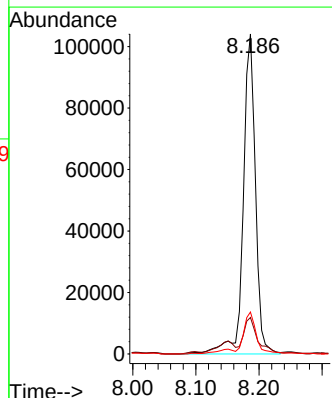
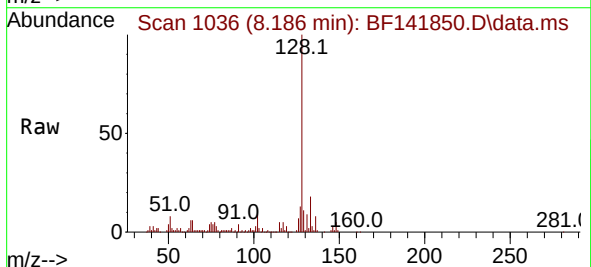
Tgt Ion:128 Resp: 140139

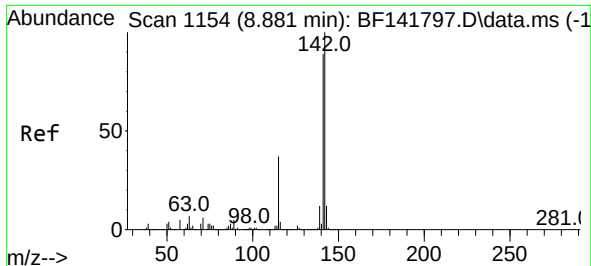
Ion Ratio Lower Upper

128 100

129 11.4 9.2 13.8

127 13.1 11.0 16.4

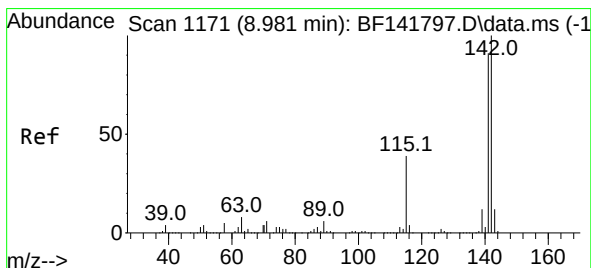
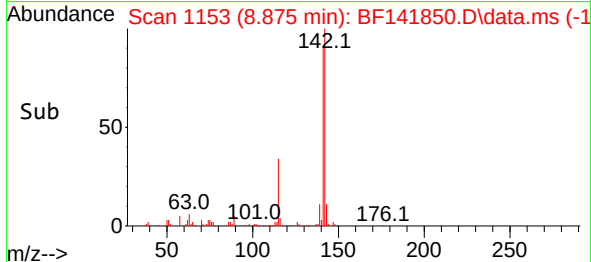
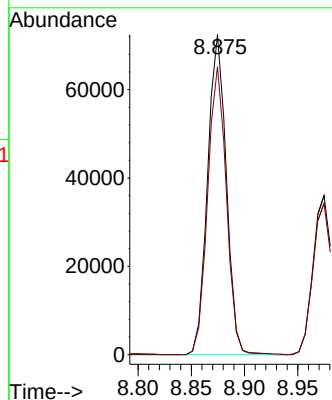
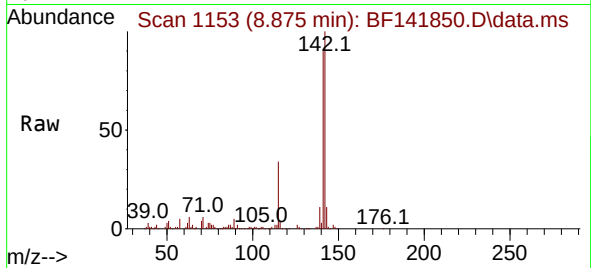




#37
2-Methylnaphthalene
Concen: 3.832 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF141850.D
Acq: 05 Mar 2025 18:20

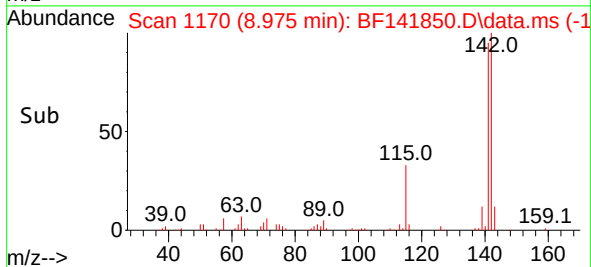
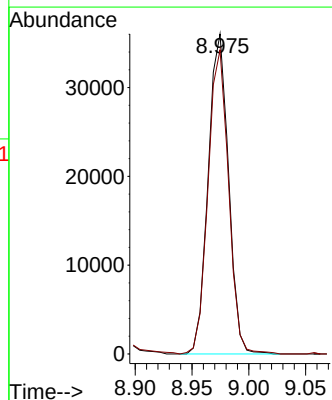
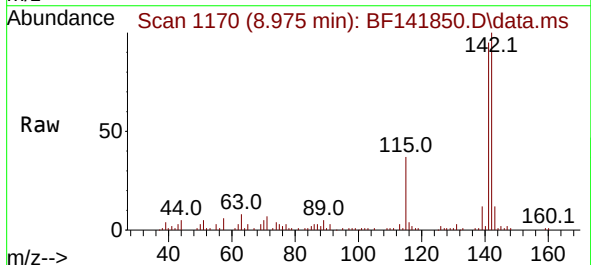
Instrument :
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ClientSampleId :
TP-3

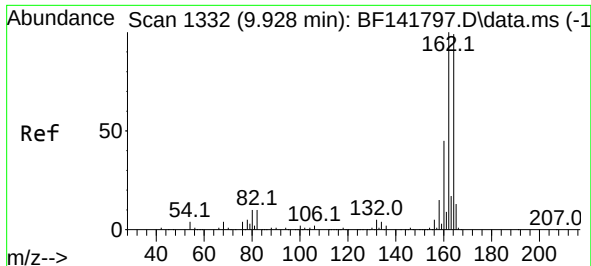
Tgt Ion:142 Resp: 88521
Ion Ratio Lower Upper
142 100
141 90.0 71.1 106.7



#38
1-Methylnaphthalene
Concen: 2.024 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141850.D
Acq: 05 Mar 2025 18:20

Tgt Ion:142 Resp: 44862
Ion Ratio Lower Upper
142 100
141 95.0 73.1 109.7

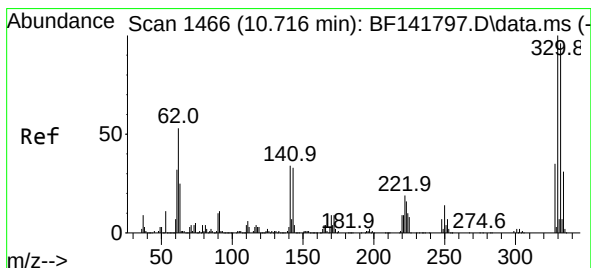
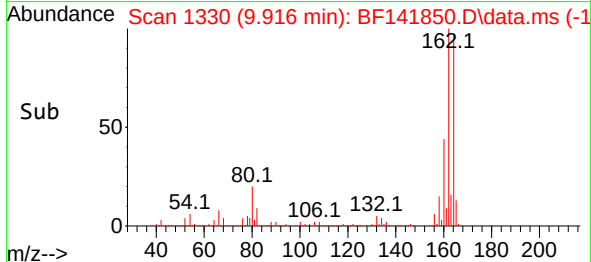
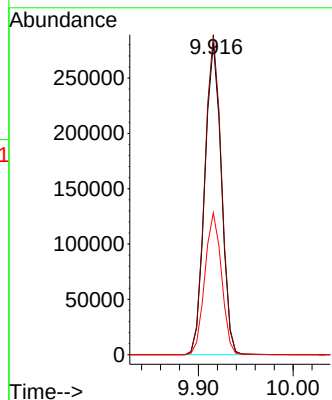
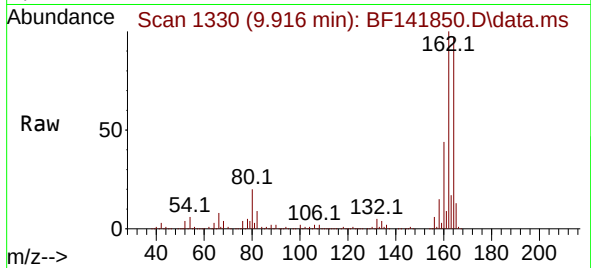




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141850.D
Acq: 05 Mar 2025 18:20

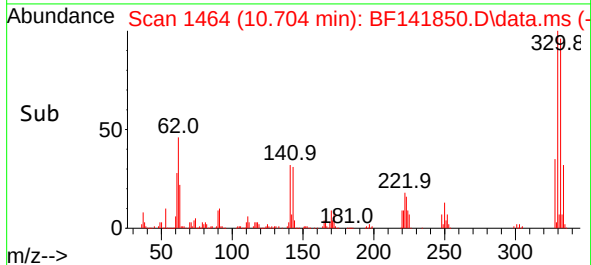
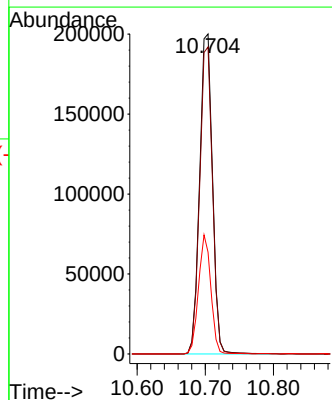
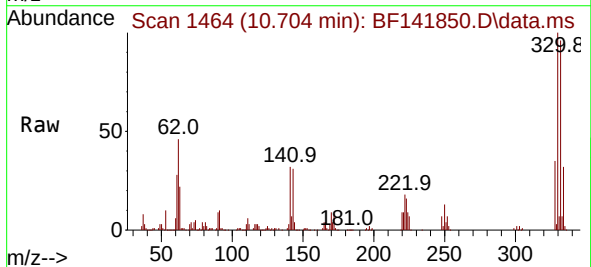
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ClientSampleId :
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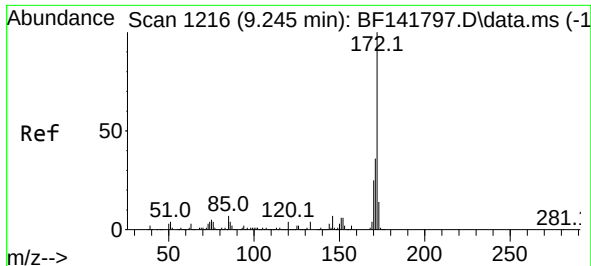
Tgt Ion:164 Resp: 340299
Ion Ratio Lower Upper
164 100
162 102.8 80.6 120.8
160 45.5 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 82.002 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141850.D
Acq: 05 Mar 2025 18:20

Tgt Ion:330 Resp: 261979
Ion Ratio Lower Upper
330 100
332 95.6 76.6 115.0
141 35.7 29.0 43.4

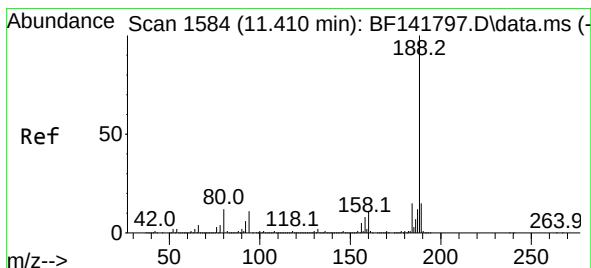
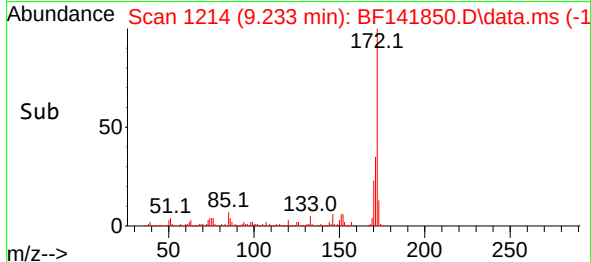
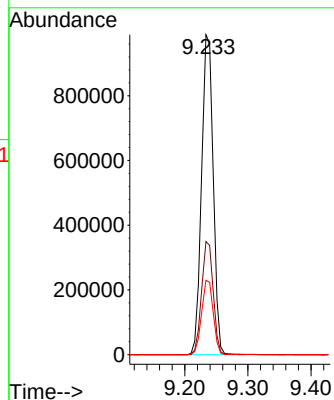
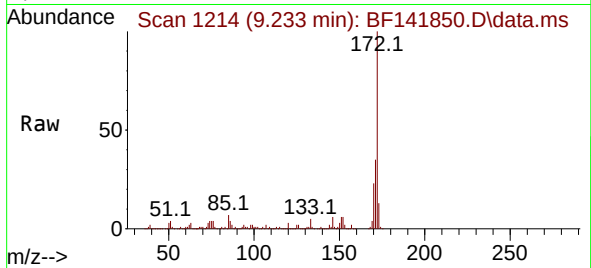




#45
2-Fluorobiphenyl
Concen: 59.681 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141850.D
Acq: 05 Mar 2025 18:20

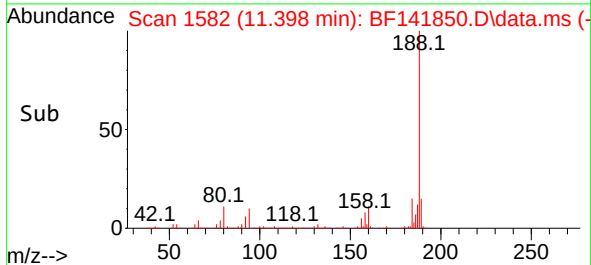
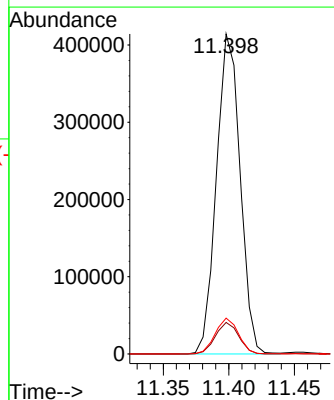
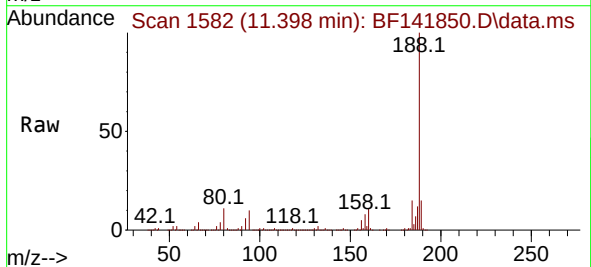
Instrument :
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ClientSampleId :
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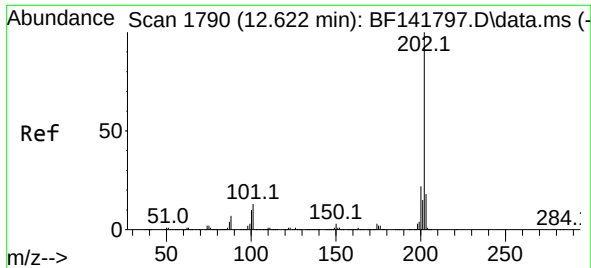
Tgt Ion:172 Resp: 1266616
Ion Ratio Lower Upper
172 100
171 35.4 29.2 43.8
170 23.3 19.7 29.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF141850.D
Acq: 05 Mar 2025 18:20

Tgt Ion:188 Resp: 520120
Ion Ratio Lower Upper
188 100
94 9.9 8.9 13.3
80 11.2 9.7 14.5

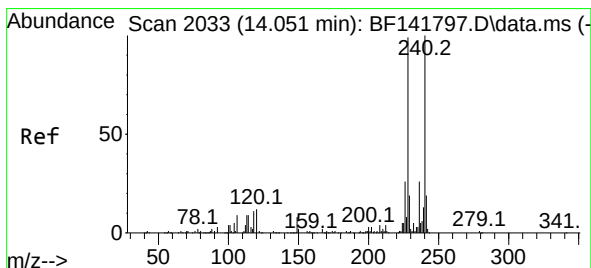
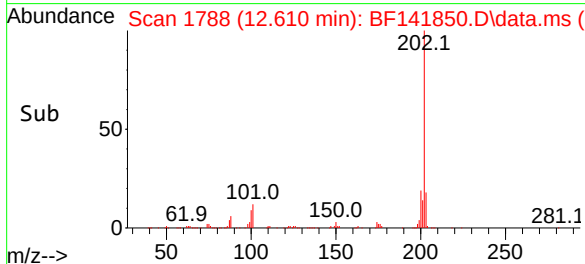
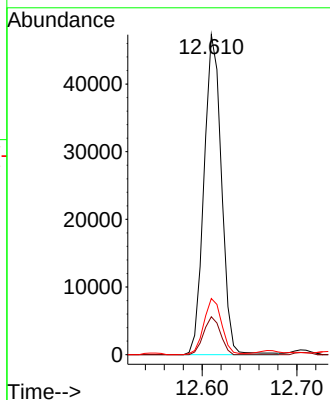
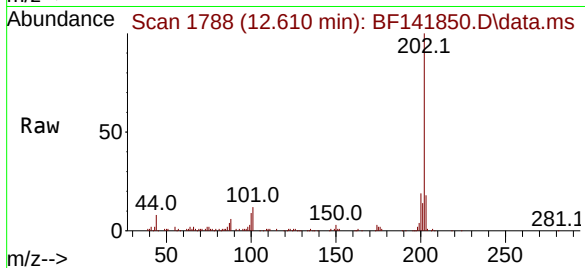




#75
Fluoranthene
Concen: 2.122 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141850.D
Acq: 05 Mar 2025 18:20

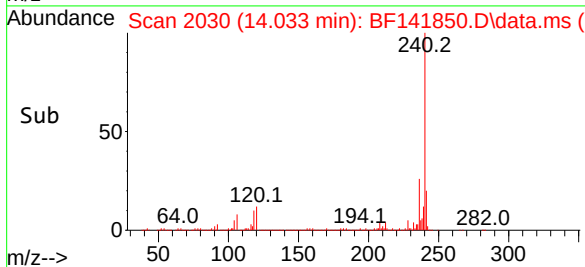
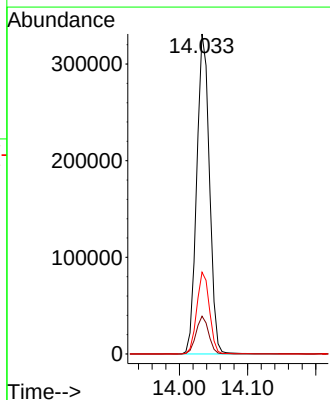
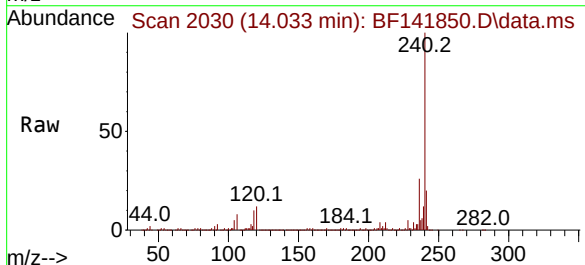
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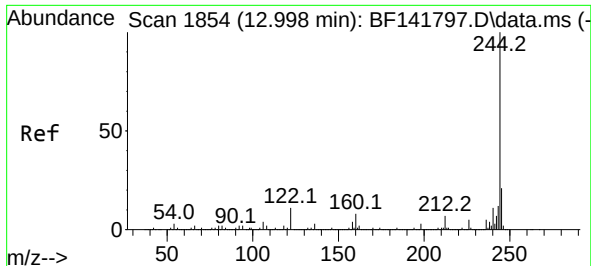
Tgt Ion:202 Resp: 60479
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.8
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF141850.D
Acq: 05 Mar 2025 18:20

Tgt Ion:240 Resp: 429467
Ion Ratio Lower Upper
240 100
120 11.8 9.7 14.5
236 25.5 21.0 31.4

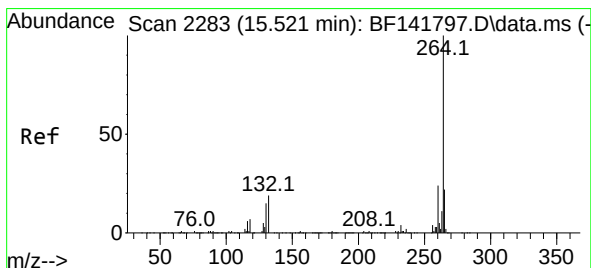
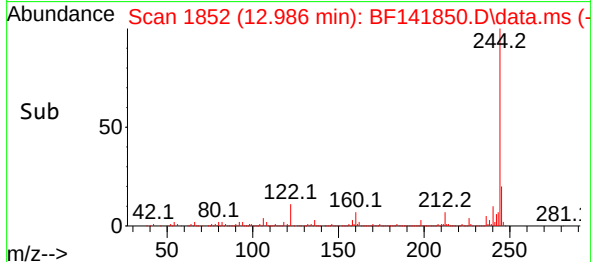
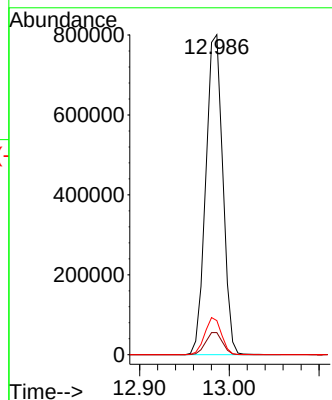
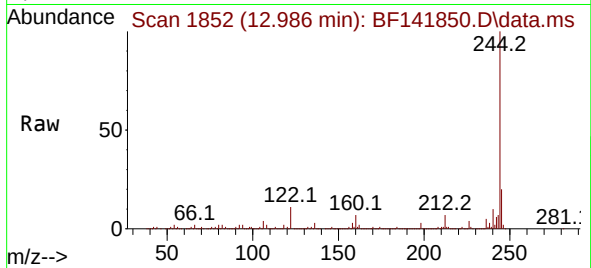




#79
 Terphenyl-d14
 Concen: 39.669 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:244 Resp: 1052980
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.7 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.018 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion:264 Resp: 459011
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.9 28.3
 265 21.4 17.4 26.0

