

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144412.D
 Acq On : 02 Dec 2025 19:48
 Operator : RC/JU
 Sample : Q3748-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-12-1-2025

Quant Time: Dec 02 23:49:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

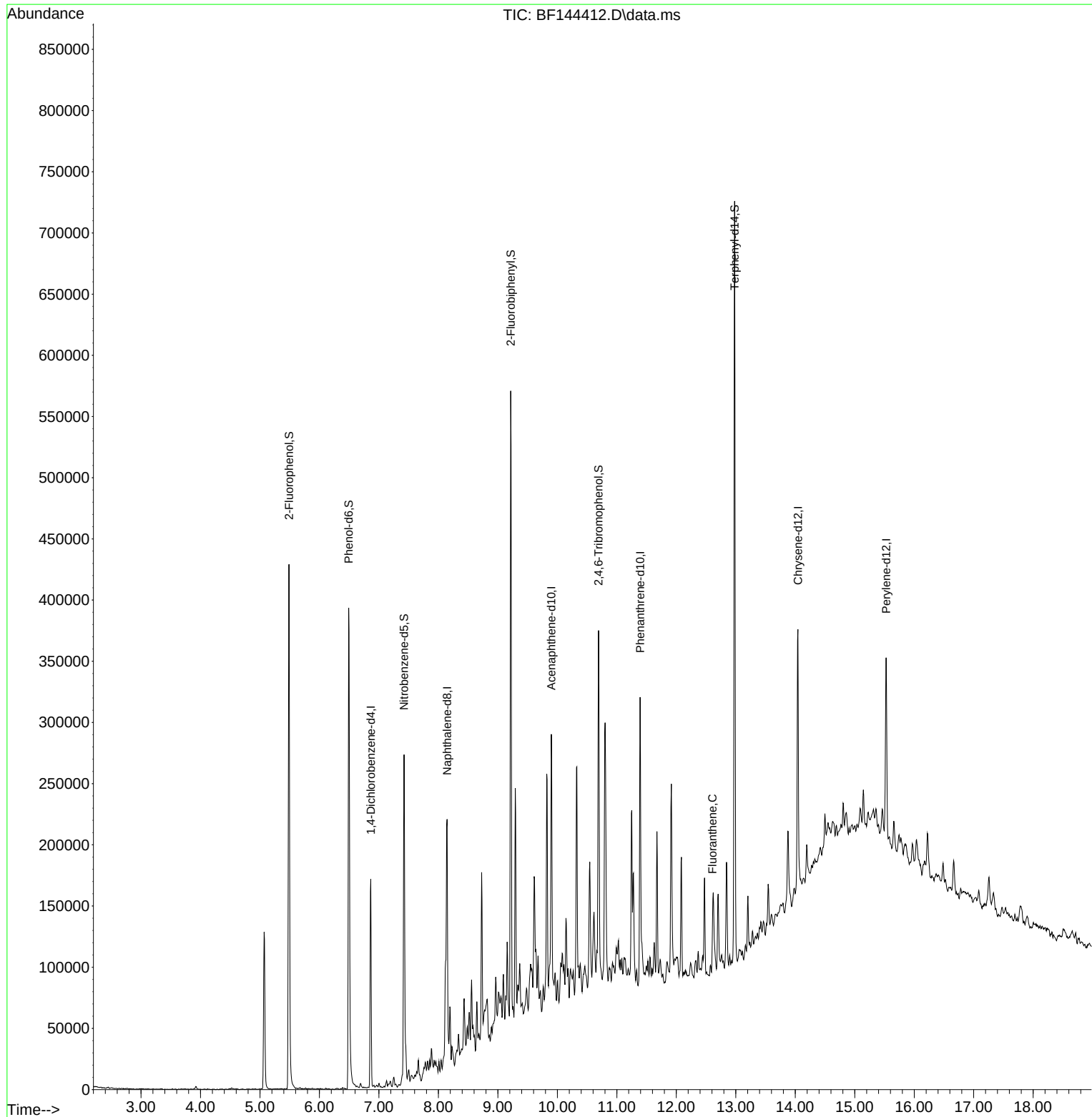
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	37343	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	130990	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	65403	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	123790	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	109072	20.000	ng	0.00
86) Perylene-d12	15.527	264	85316	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	183499	76.896	ng	0.00
7) Phenol-d6	6.492	99	200911	74.304	ng	0.00
23) Nitrobenzene-d5	7.422	82	115623	50.980	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	61701	75.178	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	250346	56.533	ng	-0.01
79) Terphenyl-d14	12.980	244	333521	48.570	ng	-0.01
Target Compounds						
75) Fluoranthene	12.610	202	14029	2.203	ng	Qvalue 92

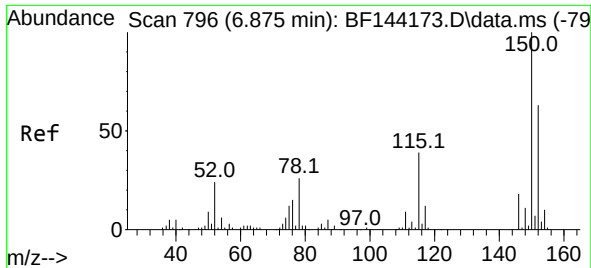
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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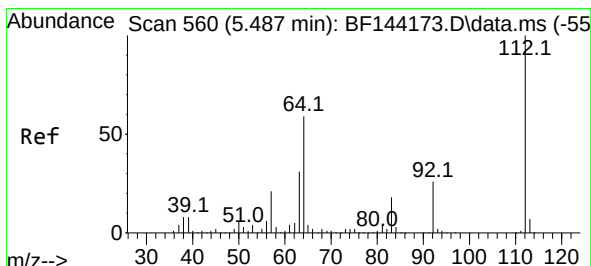
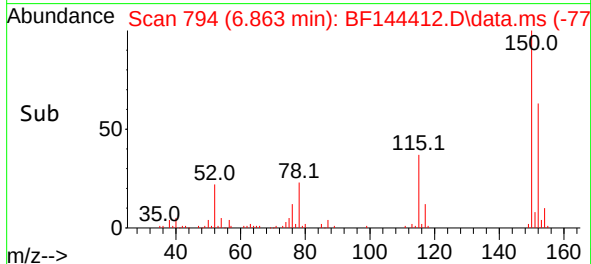
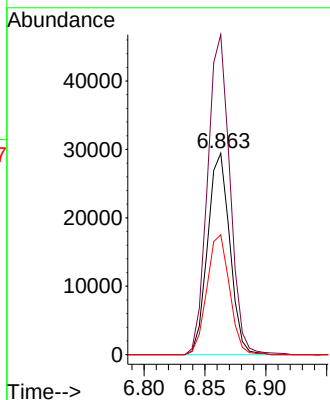
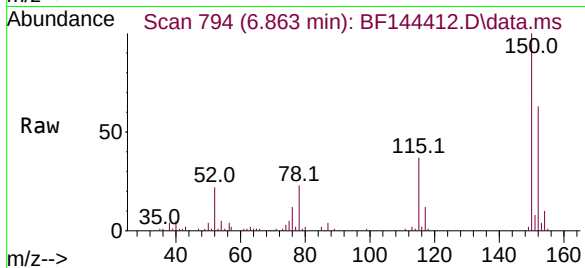




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 796
 Delta R.T. -0.012 min
 Lab File: BF144412.D
 Acq: 02 Dec 2025 19:48

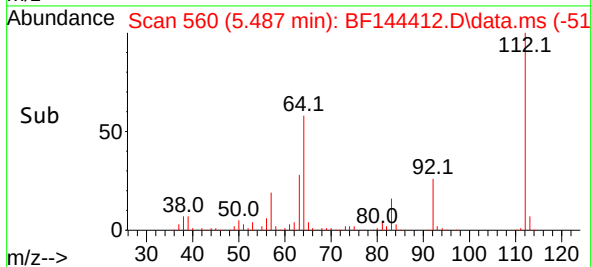
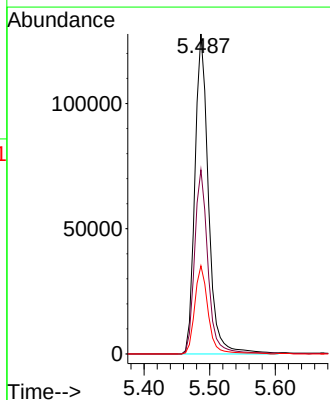
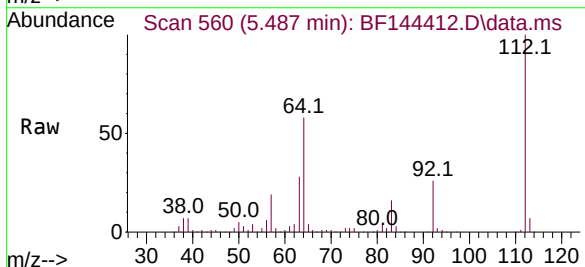
Instrument :
 BNA_F
 ClientSampleId :
 AU-05-12-1-2025

Tgt Ion:152 Resp: 37343
 Ion Ratio Lower Upper
 152 100
 150 158.9 127.4 191.0
 115 59.5 49.5 74.3



#5
 2-Fluorophenol
 Concen: 76.896 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.006 min
 Lab File: BF144412.D
 Acq: 02 Dec 2025 19:48

Tgt Ion:112 Resp: 183499
 Ion Ratio Lower Upper
 112 100
 64 57.5 47.2 70.8
 63 27.5 24.4 36.6





#7

Phenol-d6

Concen: 74.304 ng

RT: 6.492 min Scan# 731

Delta R.T. -0.006 min

Lab File: BF144412.D

Acq: 02 Dec 2025 19:48

Instrument :

BNA_F

ClientSampleId :

AU-05-12-1-2025

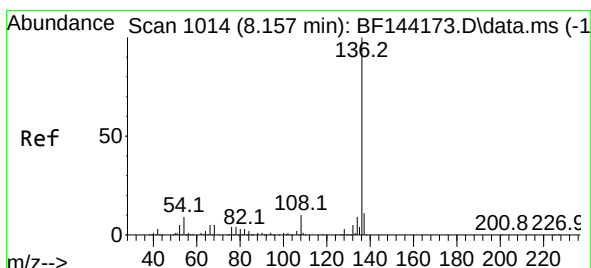
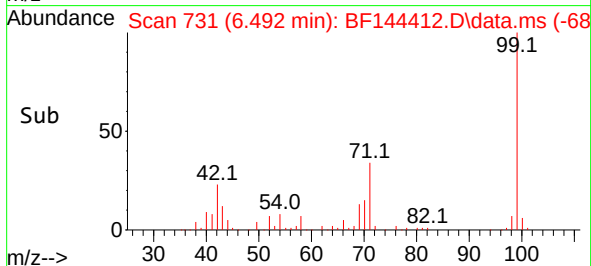
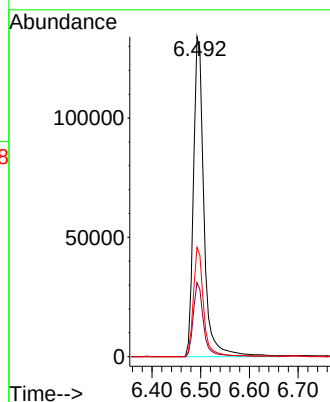
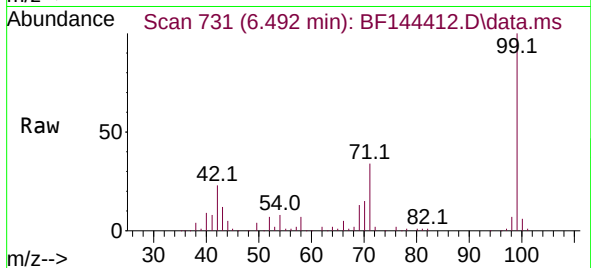
Tgt Ion: 99 Resp: 200911

Ion Ratio Lower Upper

99 100

42 23.1 20.9 31.3

71 34.1 31.4 47.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144412.D

Acq: 02 Dec 2025 19:48

Tgt Ion: 136 Resp: 130990

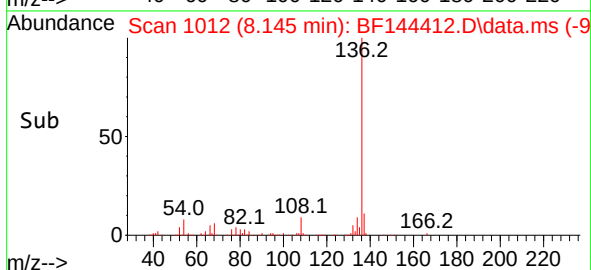
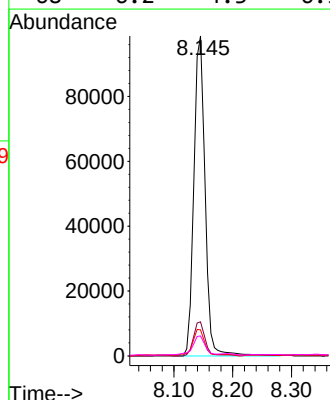
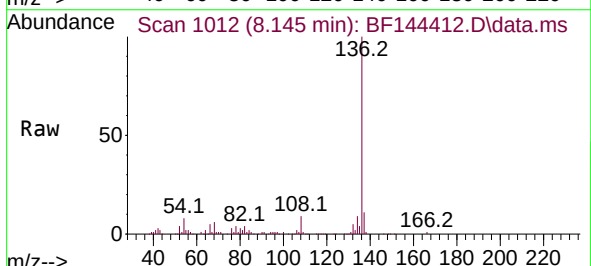
Ion Ratio Lower Upper

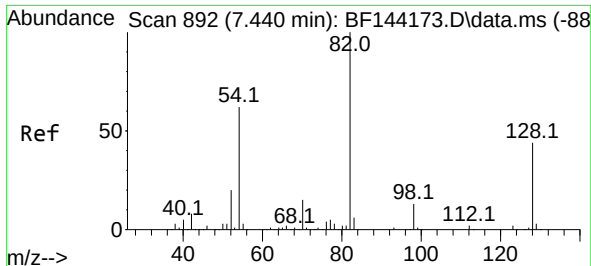
136 100

137 10.6 8.6 13.0

54 8.1 7.0 10.6

68 6.2 4.3 6.5





#23

Nitrobenzene-d5

Concen: 50.980 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144412.D

Acq: 02 Dec 2025 19:48

Instrument :

BNA_F

ClientSampleId :

AU-05-12-1-2025

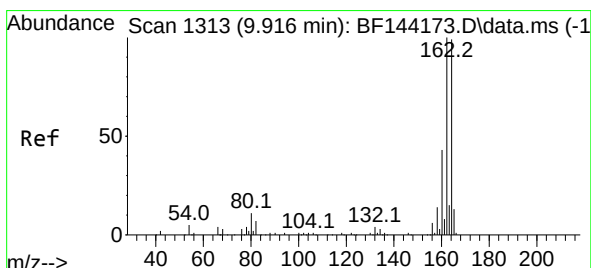
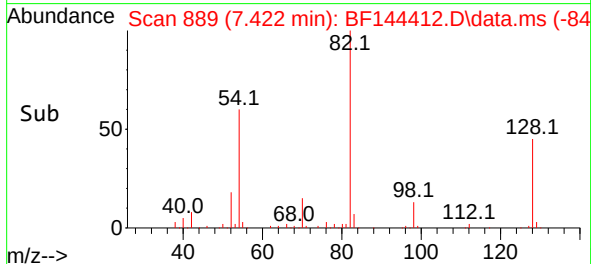
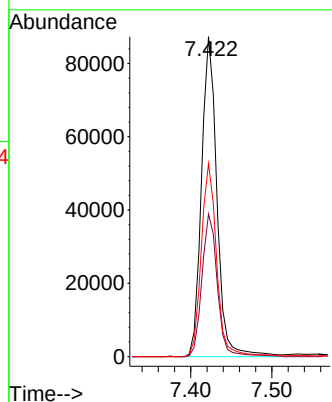
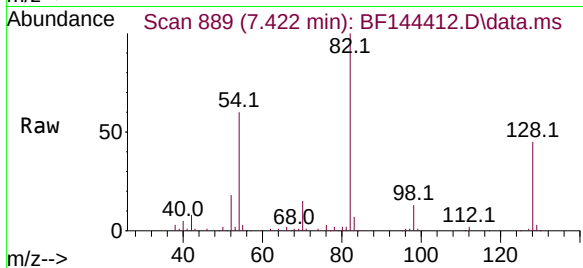
Tgt Ion: 82 Resp: 115623

Ion Ratio Lower Upper

82 100

128 44.6 34.7 52.1

54 60.3 49.5 74.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.018 min

Lab File: BF144412.D

Acq: 02 Dec 2025 19:48

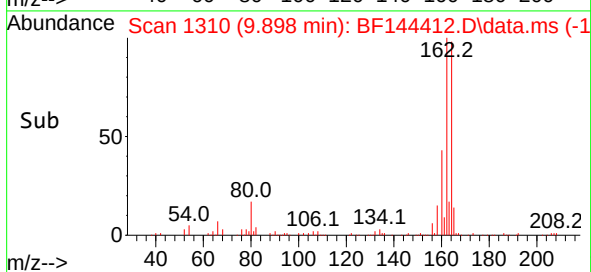
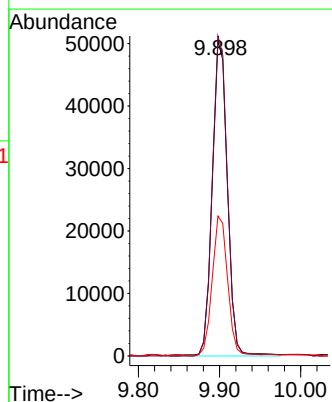
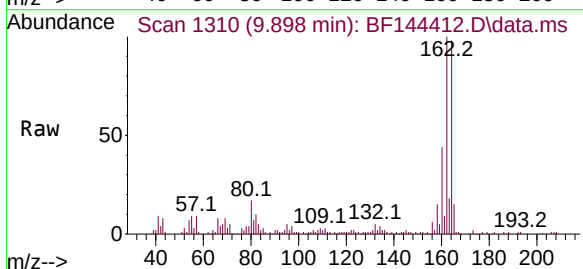
Tgt Ion:164 Resp: 65403

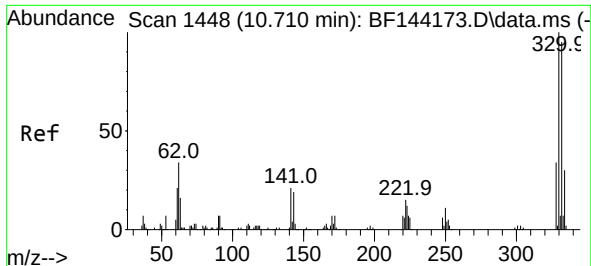
Ion Ratio Lower Upper

164 100

162 101.7 81.1 121.7

160 44.4 34.5 51.7

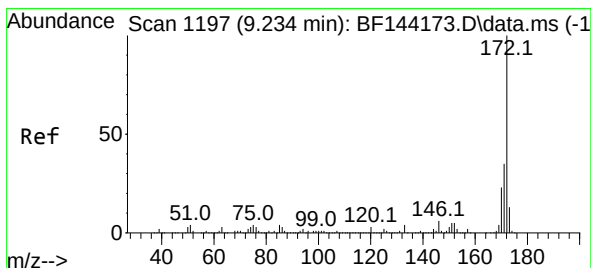
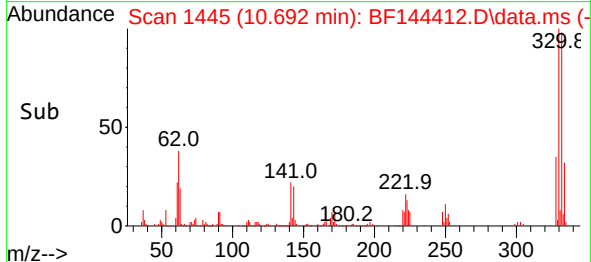
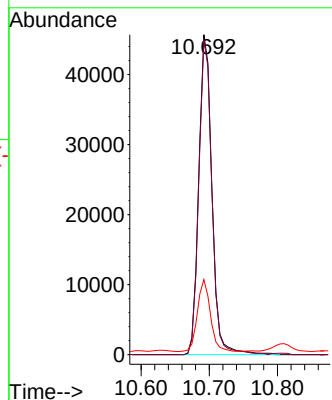
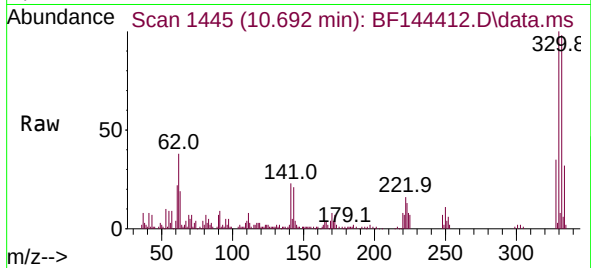




#42
2,4,6-Tribromophenol
Concen: 75.178 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144412.D
Acq: 02 Dec 2025 19:48

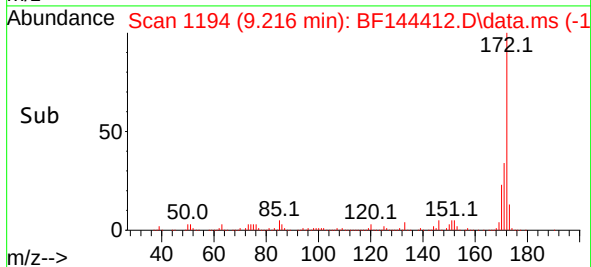
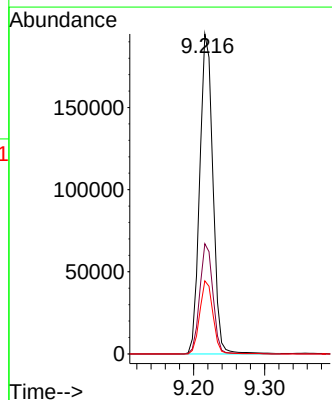
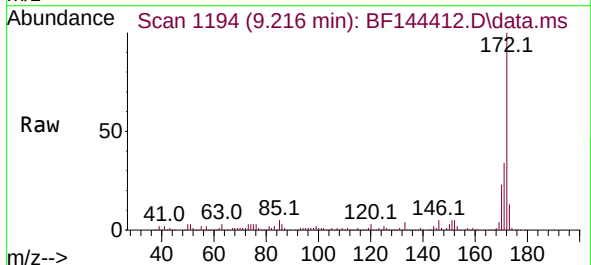
Instrument :
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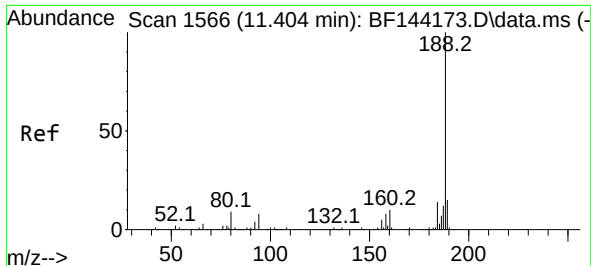
Tgt Ion: 330 Resp: 61701
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 22.0 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 56.533 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144412.D
Acq: 02 Dec 2025 19:48

Tgt Ion: 172 Resp: 250346
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 22.8 18.6 28.0

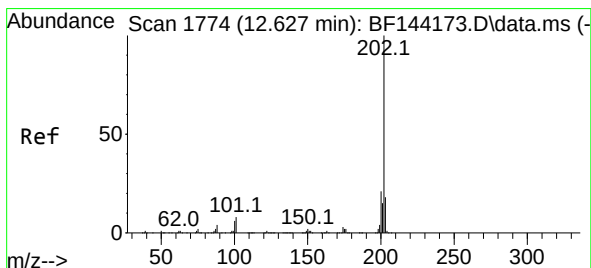
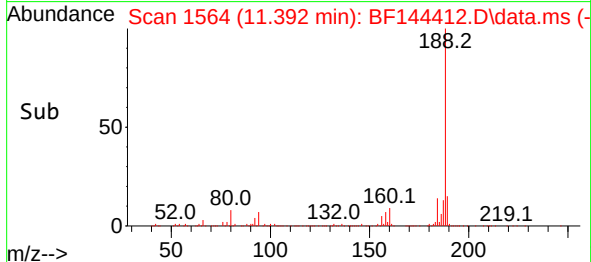
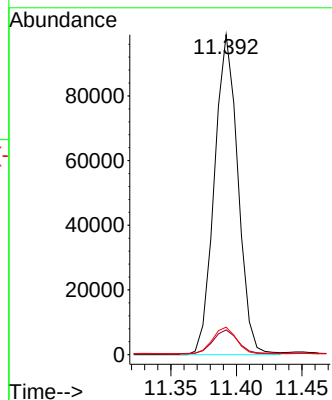
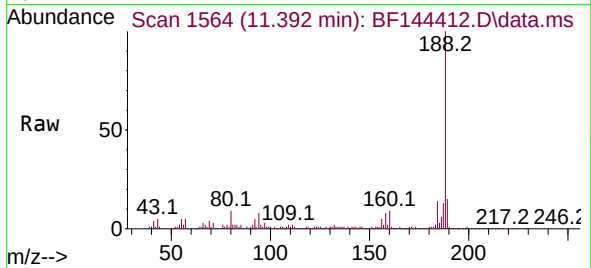




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144412.D
Acq: 02 Dec 2025 19:48

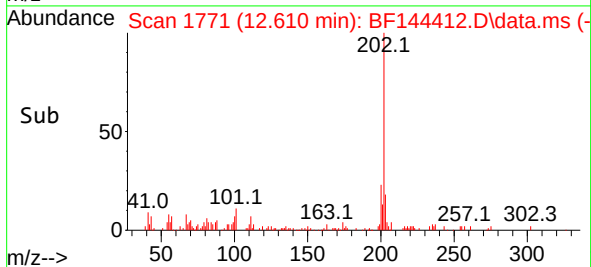
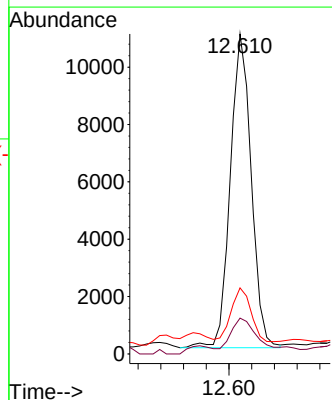
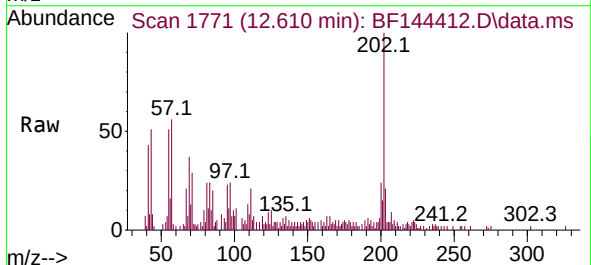
Instrument :
BNA_F
ClientSampleId :
AU-05-12-1-2025

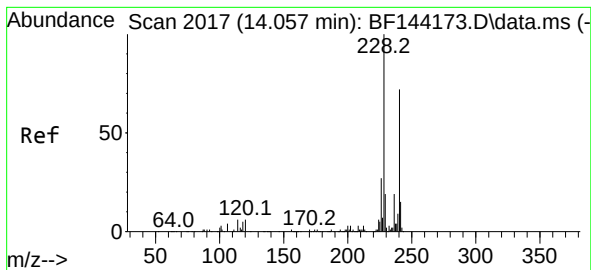
Tgt Ion:188 Resp: 123790
Ion Ratio Lower Upper
188 100
94 7.7 6.2 9.2
80 8.6 6.9 10.3



#75
Fluoranthene
Concen: 2.203 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144412.D
Acq: 02 Dec 2025 19:48

Tgt Ion:202 Resp: 14029
Ion Ratio Lower Upper
202 100
101 11.2 0.0 27.9
203 20.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144412.D

Acq: 02 Dec 2025 19:48

Instrument :

BNA_F

ClientSampleId :

AU-05-12-1-2025

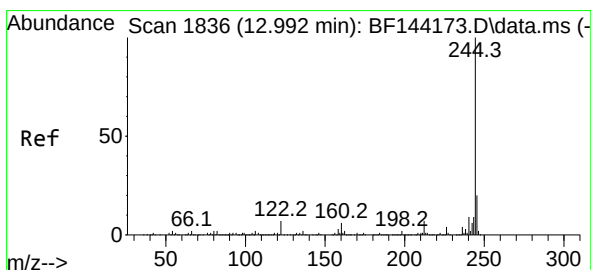
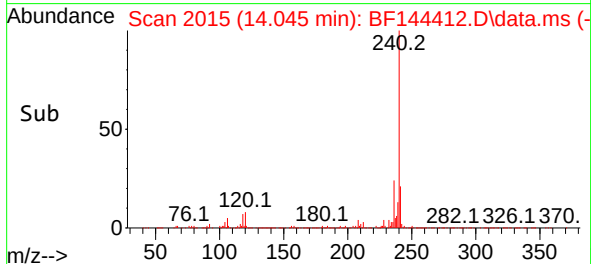
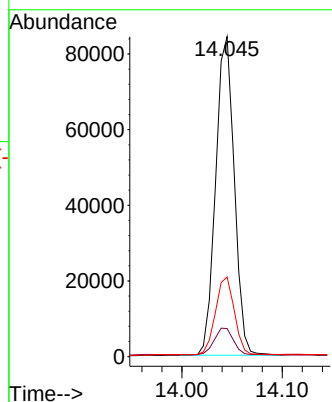
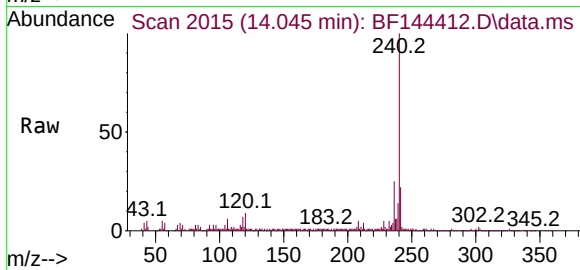
Tgt Ion:240 Resp: 109072

Ion Ratio Lower Upper

240 100

120 8.8 6.6 10.0

236 24.9 21.4 32.2



#79

Terphenyl-d14

Concen: 48.570 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144412.D

Acq: 02 Dec 2025 19:48

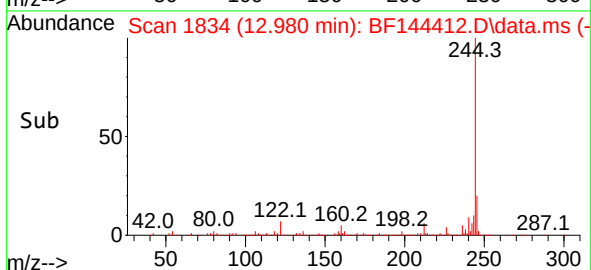
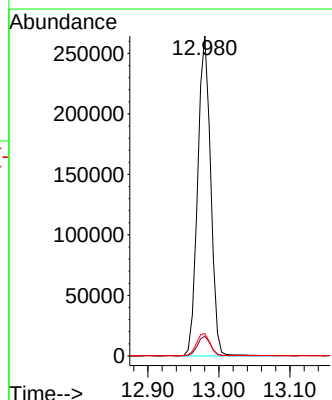
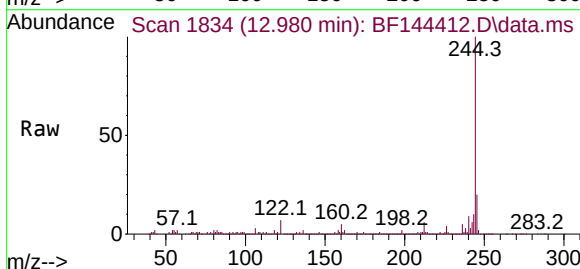
Tgt Ion:244 Resp: 333521

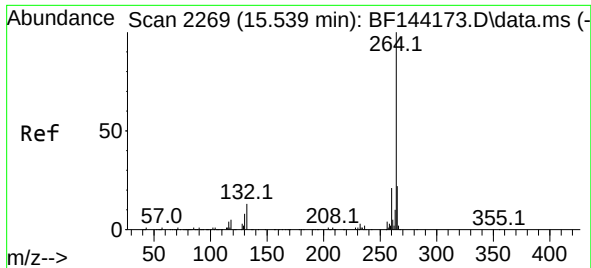
Ion Ratio Lower Upper

244 100

212 6.1 5.3 7.9

122 7.0 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144412.D
Acq: 02 Dec 2025 19:48

Instrument :
BNA_F
ClientSampleId :
AU-05-12-1-2025

Tgt Ion:264	Resp:	85316
Ion Ratio	Lower	Upper
264	100	
260	21.7	17.1 25.7
265	22.1	17.4 26.0

