

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142116.D
 Acq On : 27 Mar 2025 10:04
 Operator : RC/JU
 Sample : PB167321BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167321BL

Quant Time: Mar 27 11:47:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

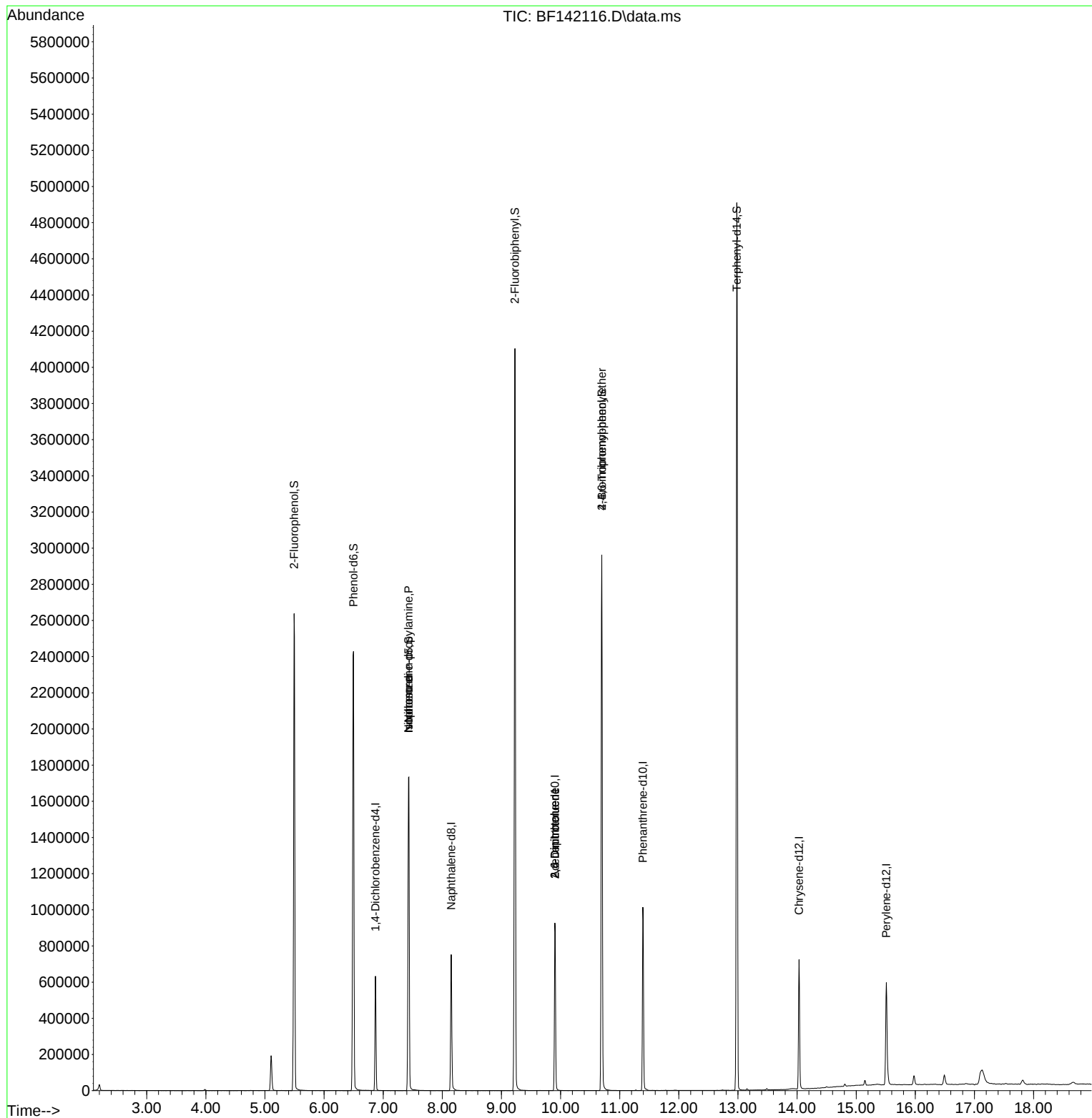
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	134376	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	517512	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	298754	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	544722	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	365974	20.000	ng	0.00
86) Perylene-d12	15.509	264	349739	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1088970	135.251	ng	0.00
7) Phenol-d6	6.498	99	1301427	126.952	ng	0.00
23) Nitrobenzene-d5	7.428	82	873155	94.950	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	584038	154.096	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1866741	95.027	ng	-0.01
79) Terphenyl-d14	12.980	244	2518253	101.732	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	119075	18.077	ng	# 78
25) Isophorone	7.428	82	862289	53.046	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	38610	8.864	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	38610	6.786	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	36123	5.280	ng	# 1

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

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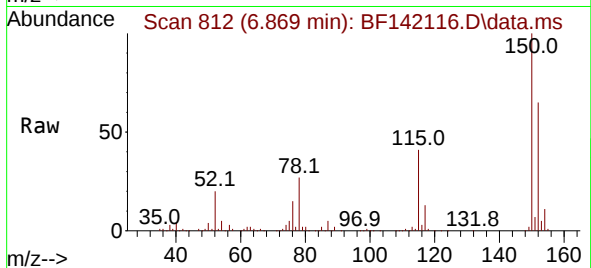
Quant Time: Mar 27 11:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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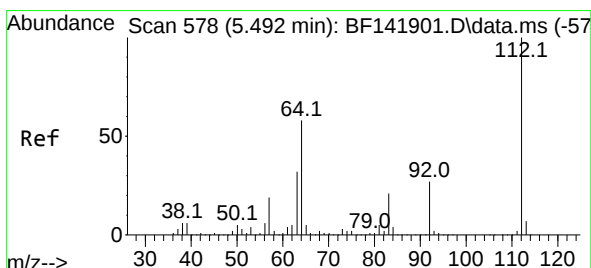
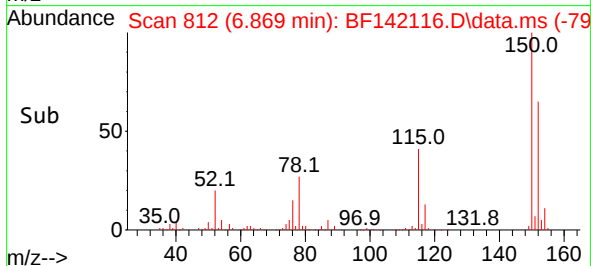
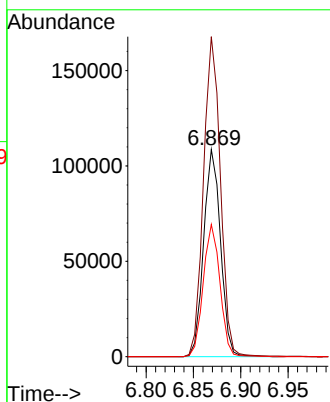


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

Instrument :
BNA_F
ClientSampleId :
PB167321BL

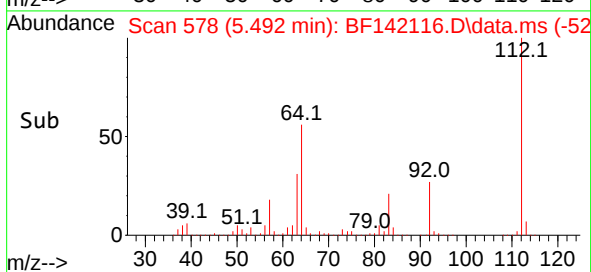
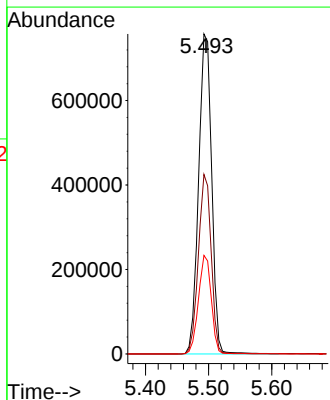
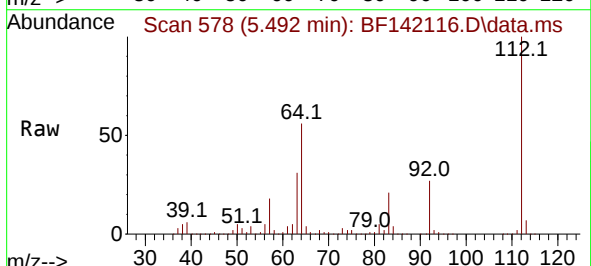


Tgt Ion:152 Resp: 134376
Ion Ratio Lower Upper
152 100
150 154.4 127.4 191.2
115 63.7 51.9 77.9



#5
2-Fluorophenol
Concen: 135.251 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

Tgt Ion:112 Resp: 1088970
Ion Ratio Lower Upper
112 100
64 56.1 46.5 69.7
63 30.8 25.4 38.2

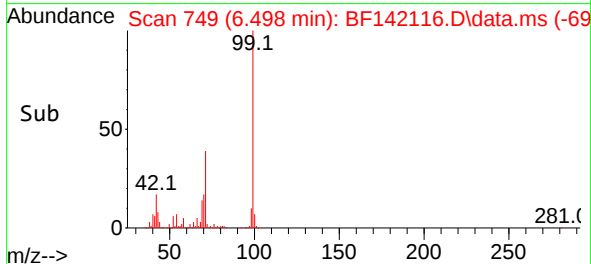
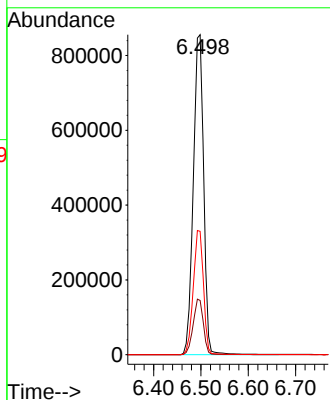
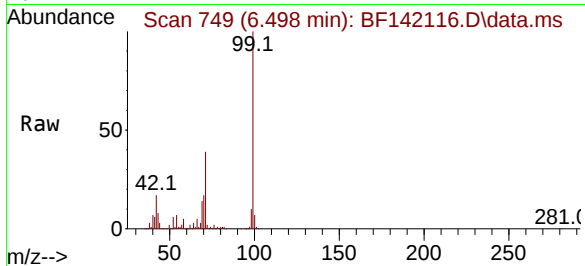




#7
Phenol-d6
Concen: 126.952 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

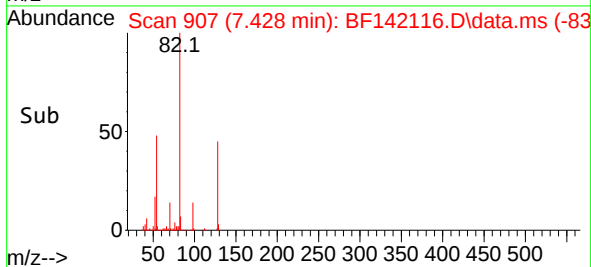
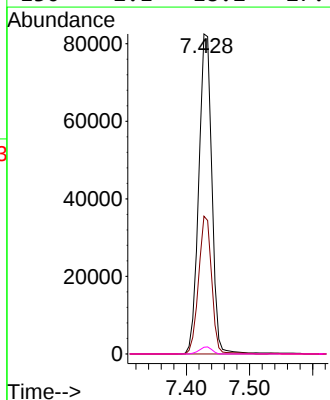
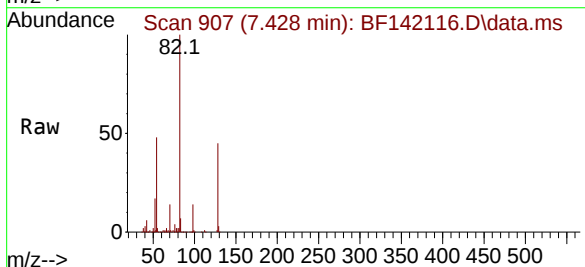
Instrument :
BNA_F
ClientSampleId :
PB167321BL

Tgt Ion: 99 Resp: 1301427
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.6 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.077 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

Tgt Ion: 70 Resp: 119075
Ion Ratio Lower Upper
70 100
42 43.0 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#

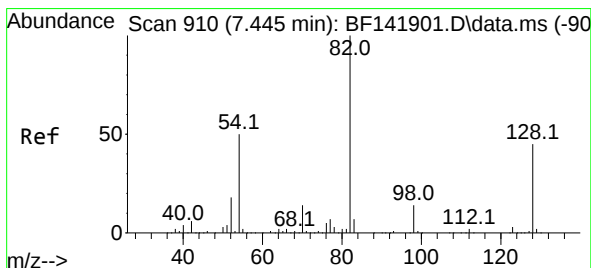
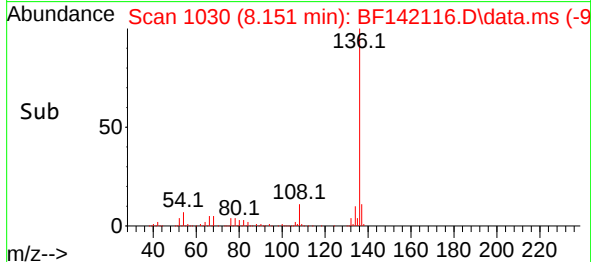
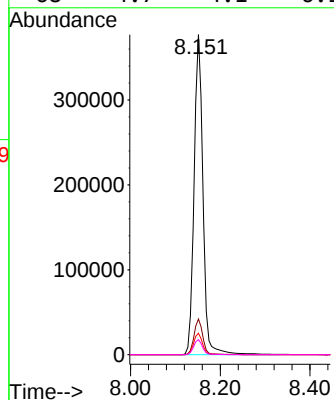
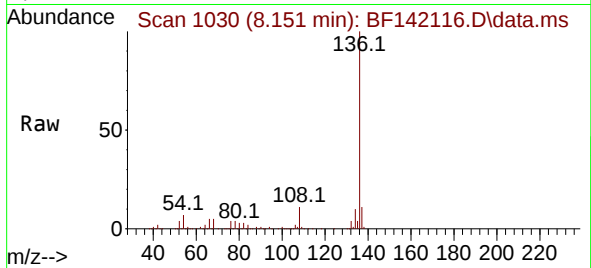




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

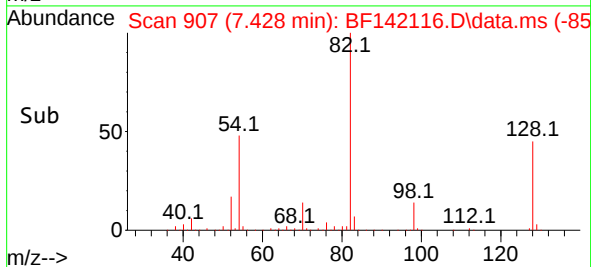
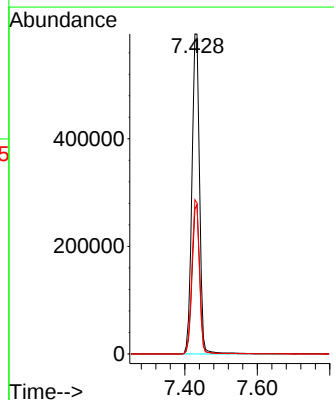
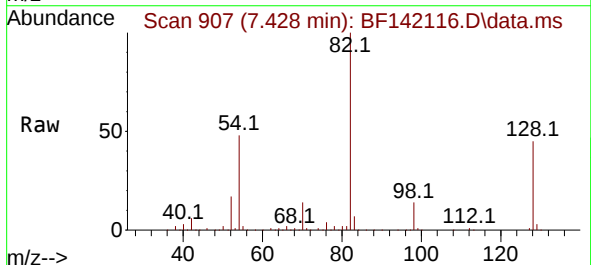
Instrument :
BNA_F
ClientSampleId :
PB167321BL

Tgt Ion:136 Resp: 517512
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.7 5.8 8.8
68 4.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 94.950 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

Tgt Ion: 82 Resp: 873155
Ion Ratio Lower Upper
82 100
128 45.3 36.0 54.0
54 48.2 39.6 59.4

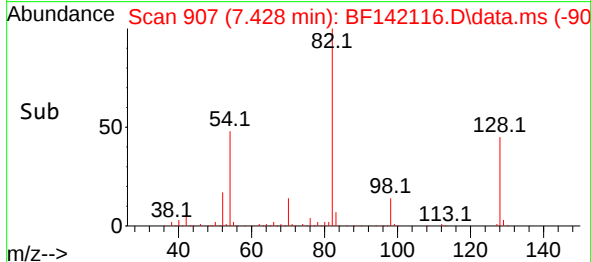
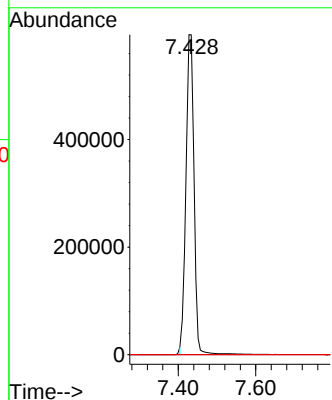
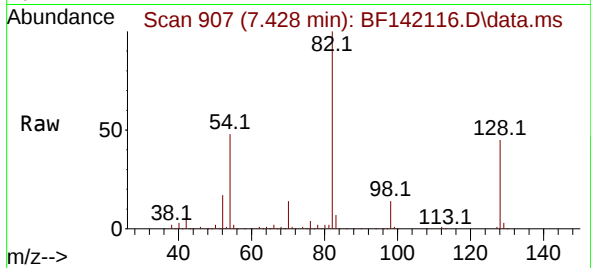




#25
Isophorone
Concen: 53.046 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

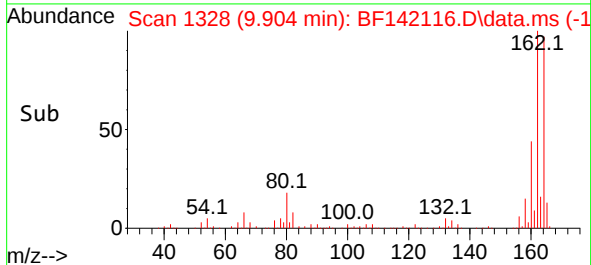
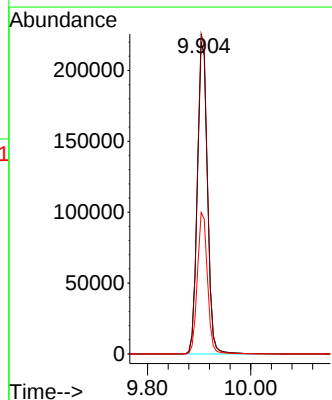
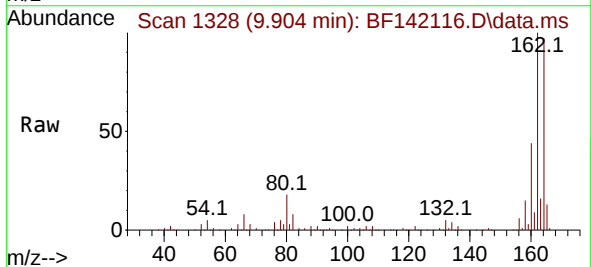
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ClientSampleId :
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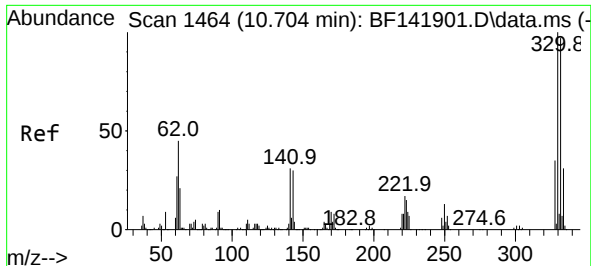
Tgt Ion: 82 Resp: 862289
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

Tgt Ion:164 Resp: 298754
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.6
160 45.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 154.096 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142116.D

Acq: 27 Mar 2025 10:04

Instrument :

BNA_F

ClientSampleId :

PB167321BL

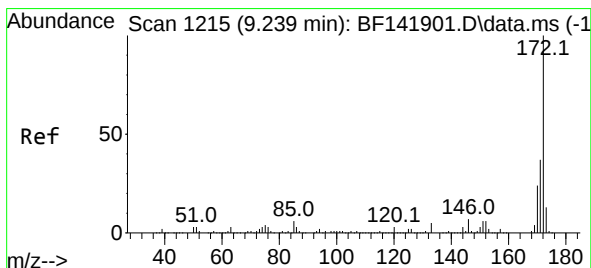
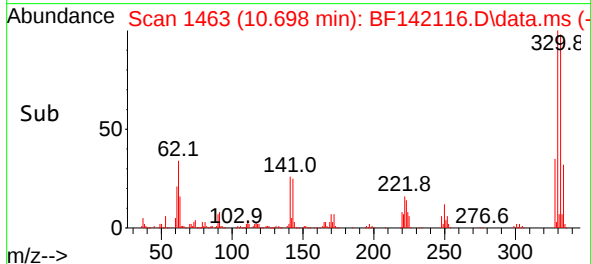
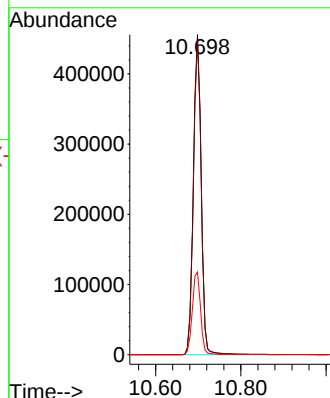
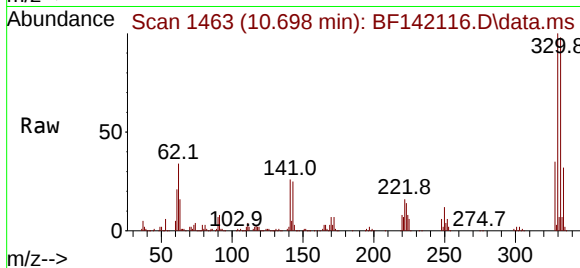
Tgt Ion:330 Resp: 584038

Ion Ratio Lower Upper

330 100

332 97.7 77.6 116.4

141 27.2 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 95.027 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142116.D

Acq: 27 Mar 2025 10:04

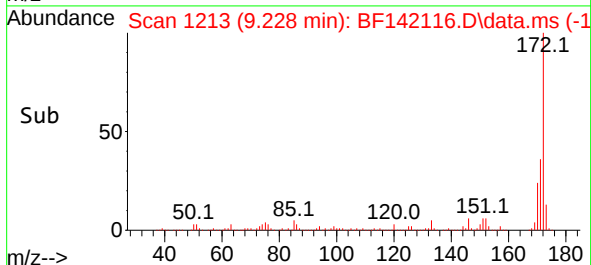
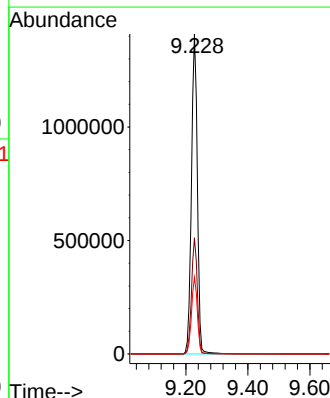
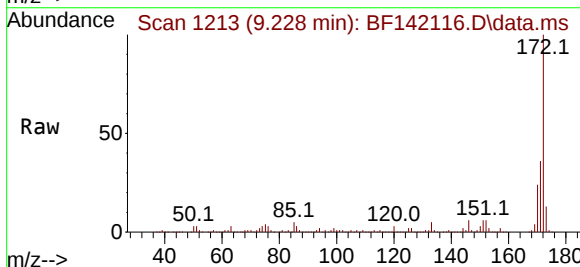
Tgt Ion:172 Resp: 1866741

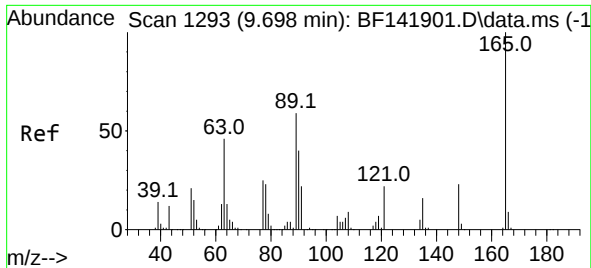
Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 23.9 19.4 29.0

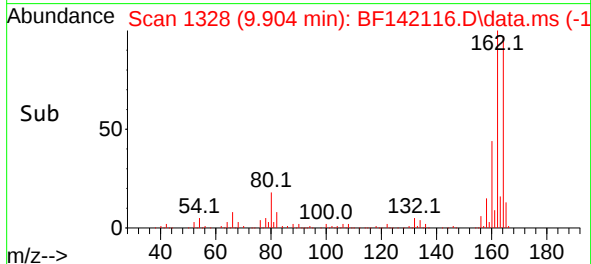
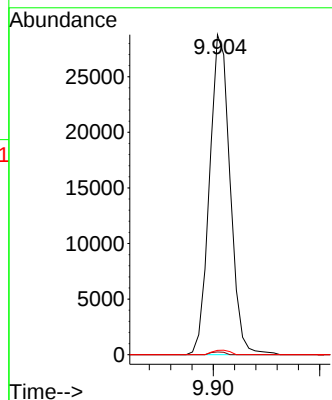
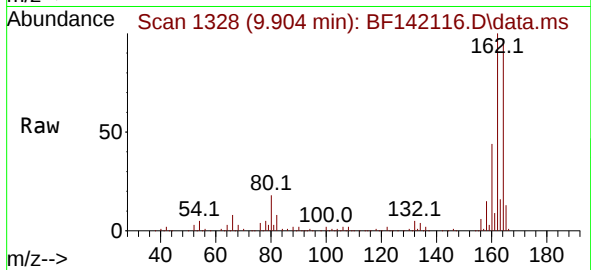




#51
2,6-Dinitrotoluene
Concen: 8.864 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

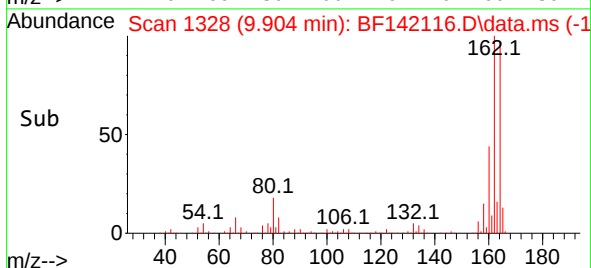
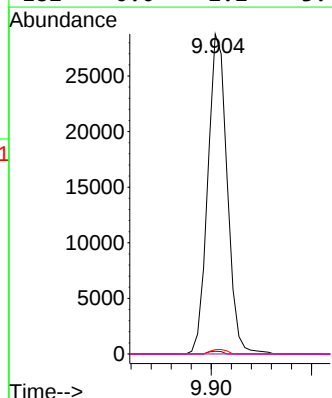
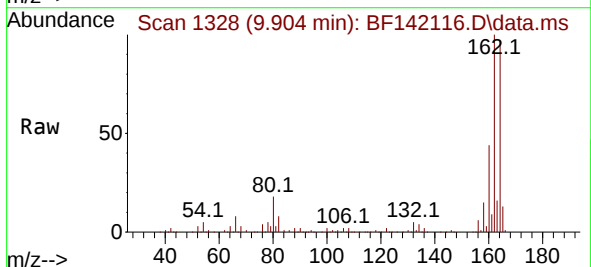
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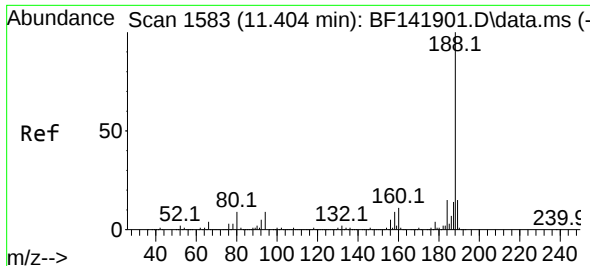
Tgt Ion:165 Resp: 38610
Ion Ratio Lower Upper
165 100
63 0.9 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.786 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

Tgt Ion:165 Resp: 38610
Ion Ratio Lower Upper
165 100
63 0.9 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#

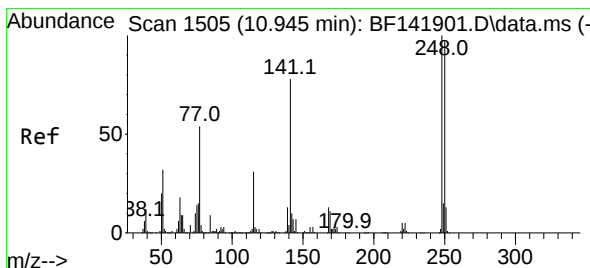
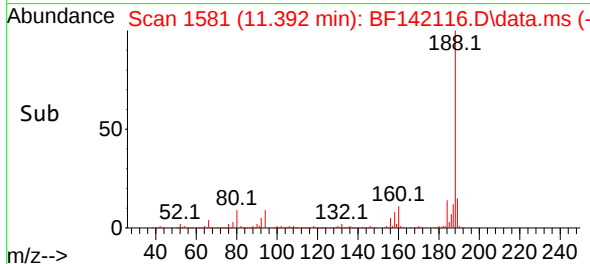
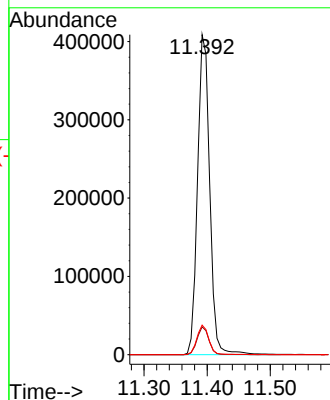
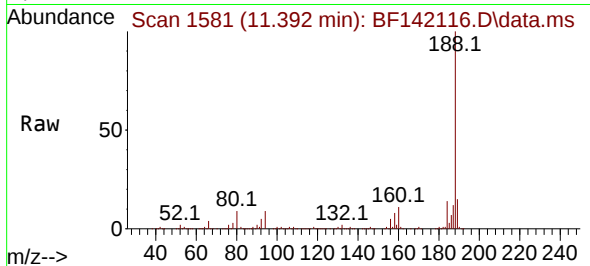




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

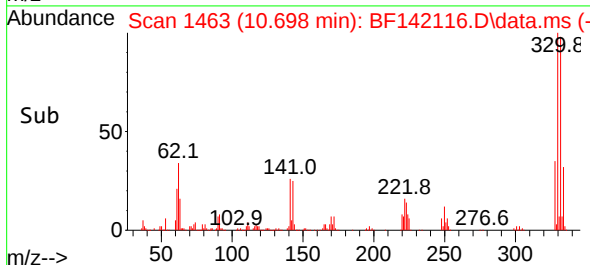
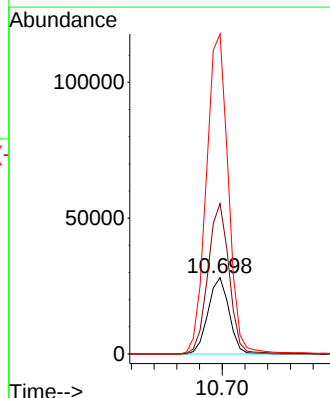
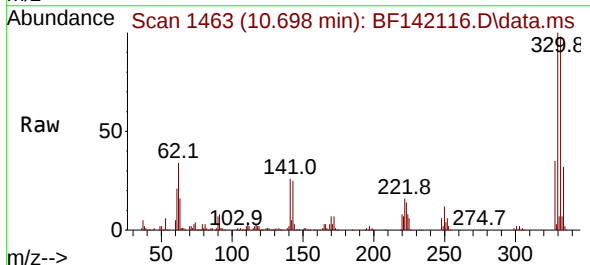
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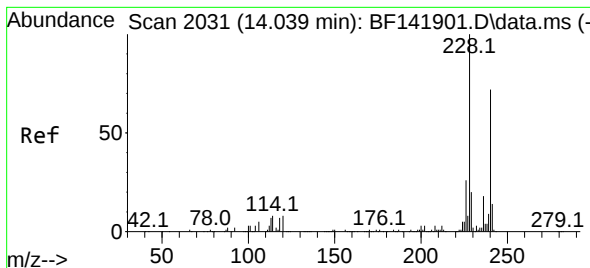
Tgt Ion:188 Resp: 544722
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.3 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.280 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142116.D
Acq: 27 Mar 2025 10:04

Tgt Ion:248 Resp: 36123
Ion Ratio Lower Upper
248 100
250 197.0 77.8 116.8#
141 418.9 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142116.D

Acq: 27 Mar 2025 10:04

Instrument :

BNA_F

ClientSampleId :

PB167321BL

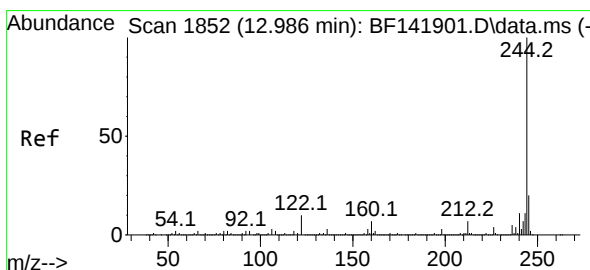
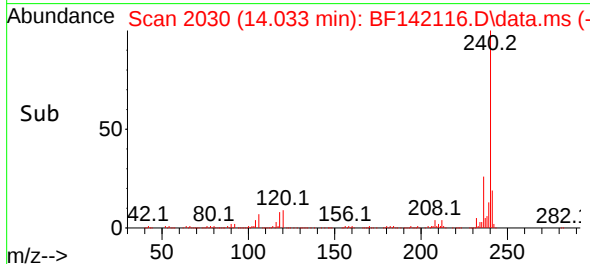
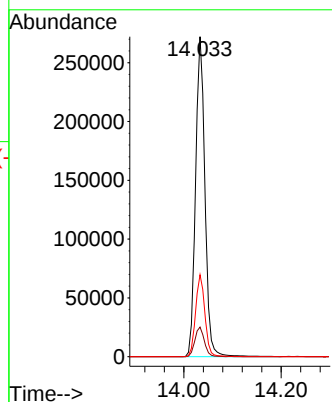
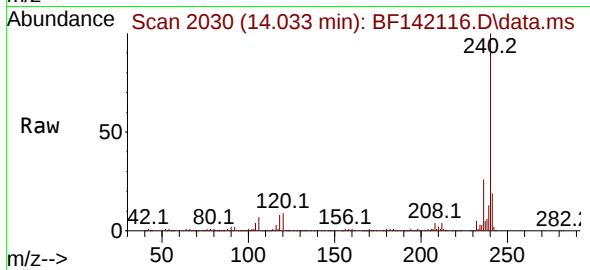
Tgt Ion:240 Resp: 365974

Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

236 25.6 20.5 30.7



#79

Terphenyl-d14

Concen: 101.732 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142116.D

Acq: 27 Mar 2025 10:04

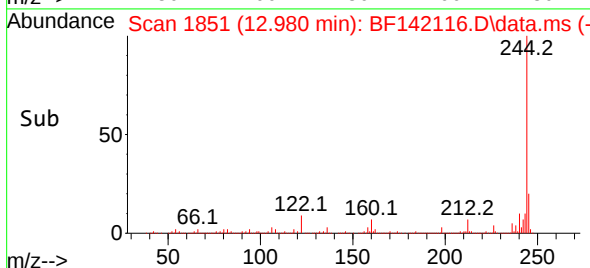
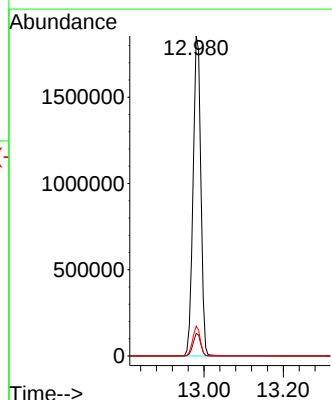
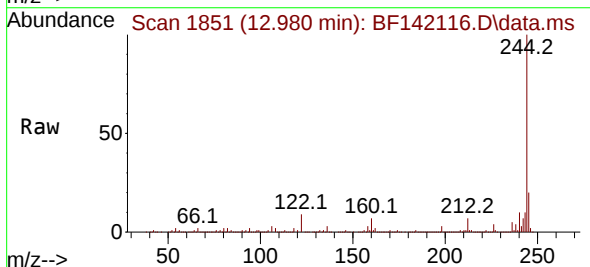
Tgt Ion:244 Resp: 2518253

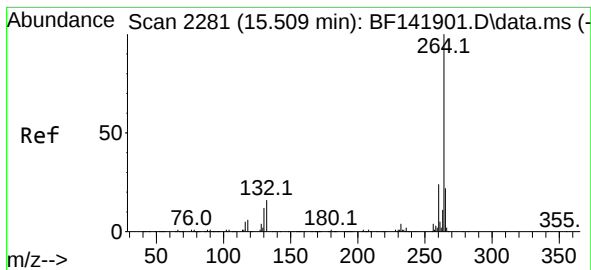
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

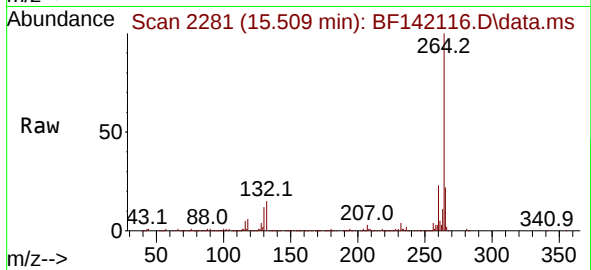
122 9.3 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142116.D
 Acq: 27 Mar 2025 10:04

Instrument :
 BNA_F
 ClientSampleId :
 PB167321BL



Tgt Ion:264 Resp: 349739
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 21.6 17.5 26.3

