

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142816.D
 Acq On : 24 Jun 2025 12:53
 Operator : RC/JU
 Sample : Q2380-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

Quant Time: Jun 24 13:14:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

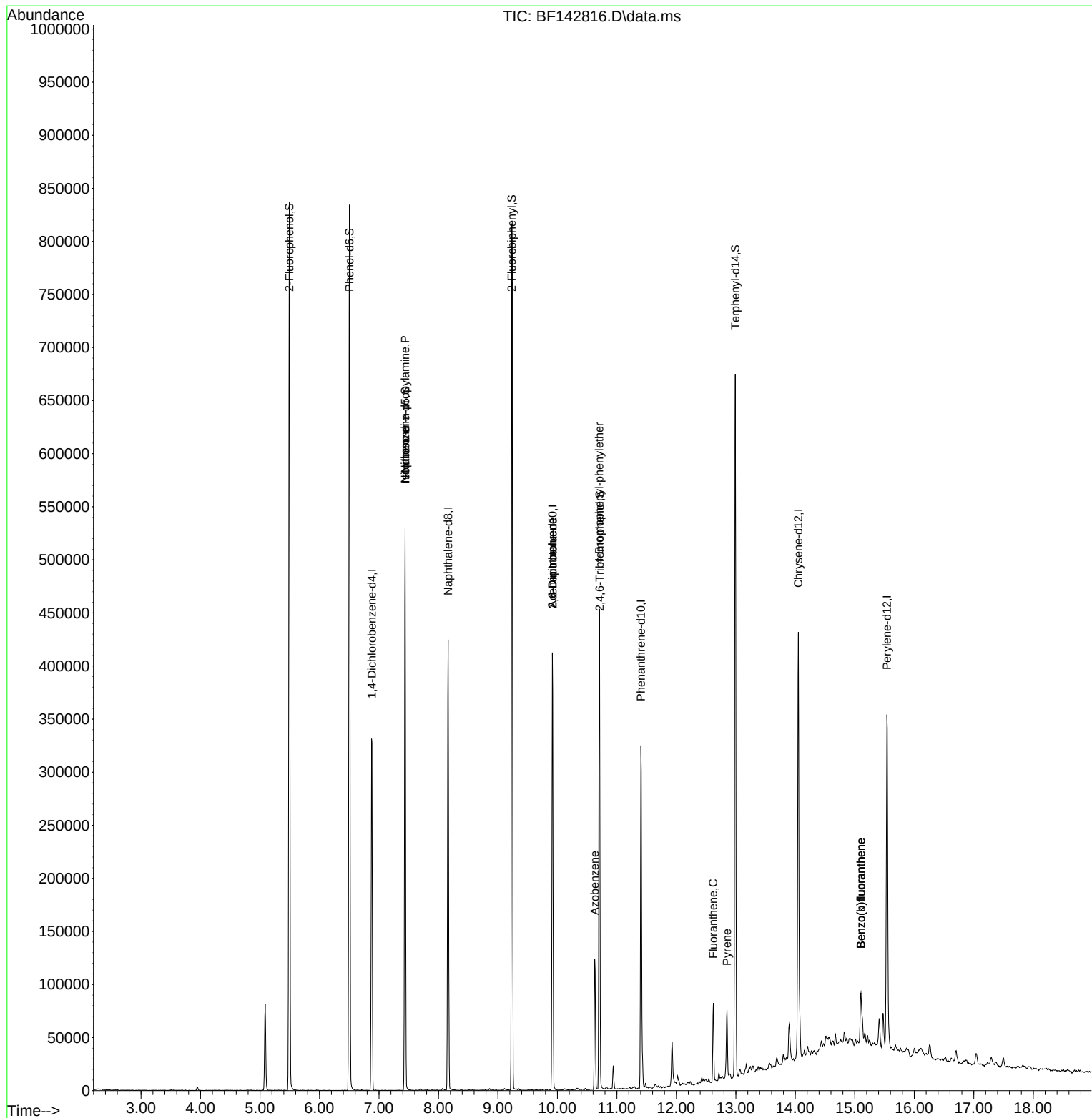
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74357	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	271163	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	123465	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	171141	20.000	ng	0.00
76) Chrysene-d12	14.051	240	179851	20.000	ng	0.00
86) Perylene-d12	15.539	264	186666	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	311967	69.852	ng	0.00
7) Phenol-d6	6.504	99	378537	71.841	ng	0.00
23) Nitrobenzene-d5	7.440	82	217576	44.011	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	76338	60.083	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	369884	39.356	ng	-0.01
79) Terphenyl-d14	12.992	244	314527	24.163	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	28557	9.319	ng	# 77
25) Isophorone	7.440	82	215987	27.235	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	15538	8.853	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	15538	6.665	ng	# 26
63) Azobenzene	10.628	77	29120	4.158	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5226	2.683	ng	# 1
75) Fluoranthene	12.622	202	42177	4.794	ng	100
78) Pyrene	12.851	202	37163	2.204	ng	98
88) Benzo(b)fluoranthene	15.104	252	40876	3.784	ng	# 94
89) Benzo(k)fluoranthene	15.104	252	40876	4.045	ng	# 94

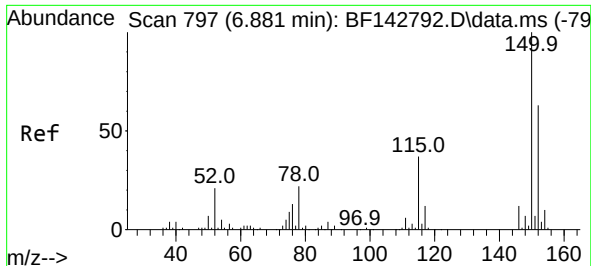
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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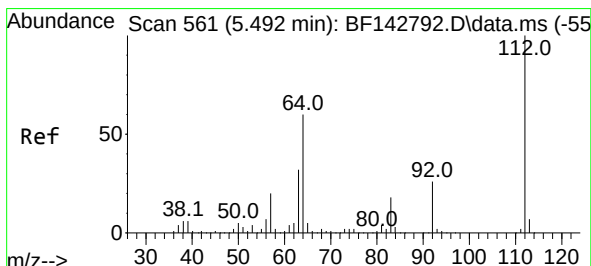
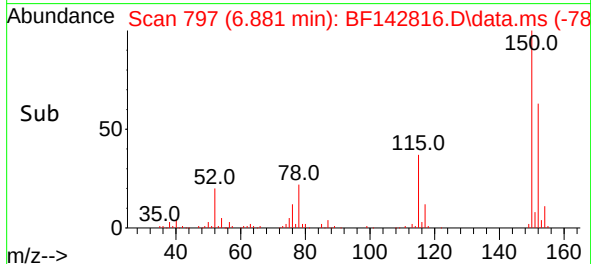
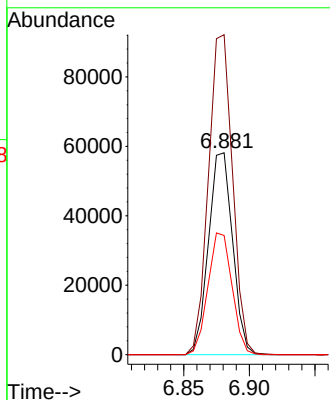
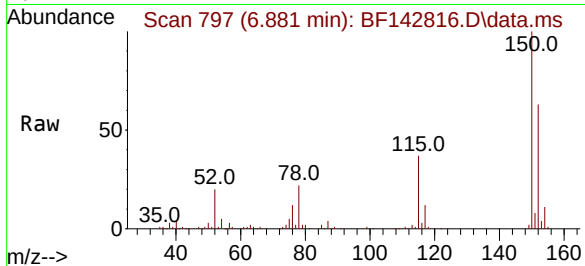




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

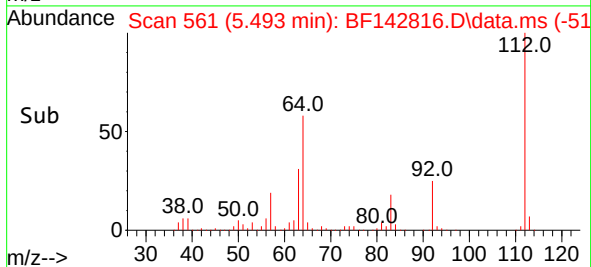
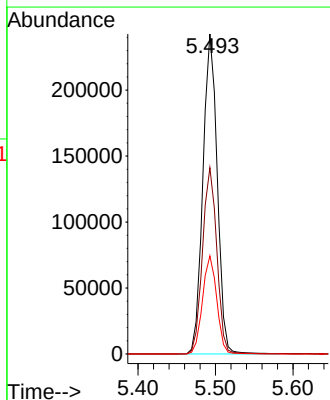
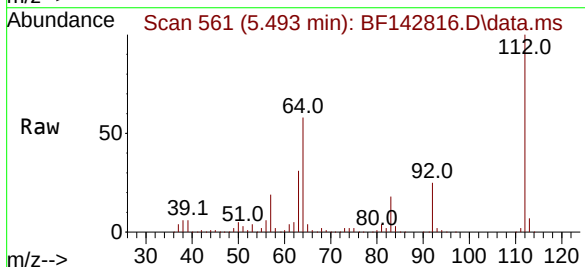
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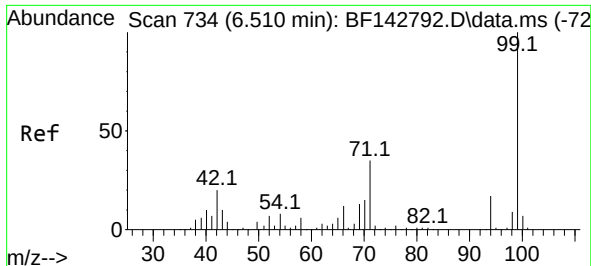
Tgt Ion:152 Resp: 74357
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.2 190.8
 115 59.0 46.6 69.8



#5
 2-Fluorophenol
 Concen: 69.852 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

Tgt Ion:112 Resp: 311967
 Ion Ratio Lower Upper
 112 100
 64 58.2 48.2 72.2
 63 30.7 25.7 38.5

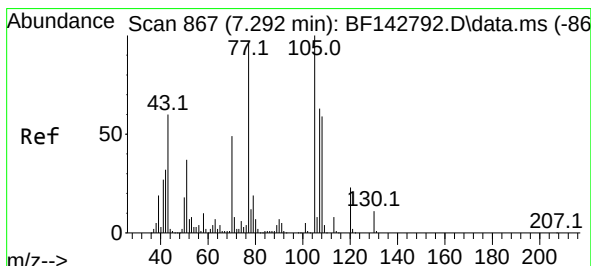
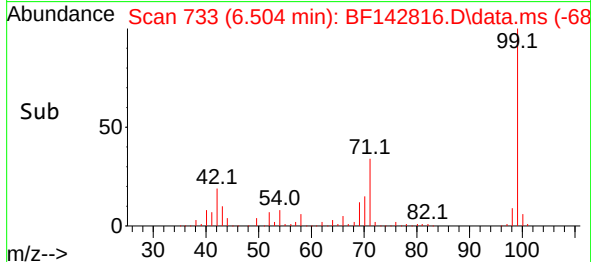
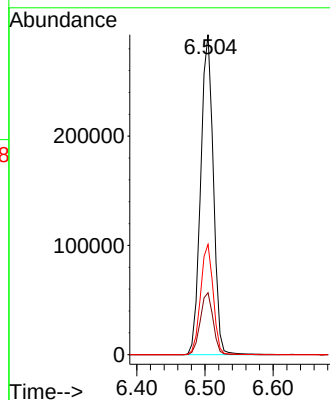
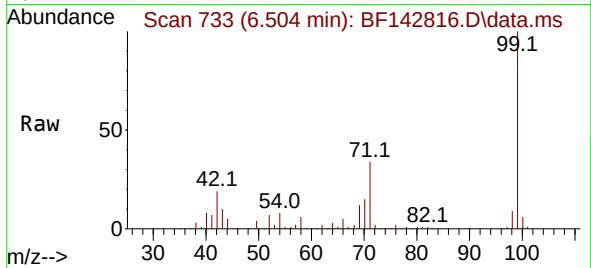




#7
Phenol-d6
Concen: 71.841 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

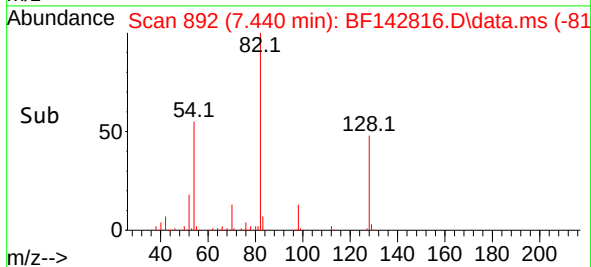
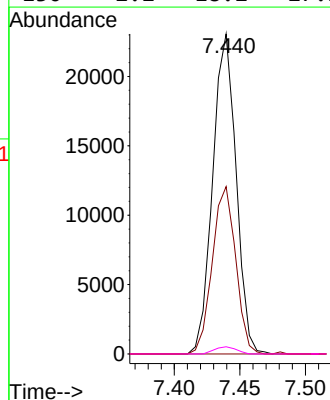
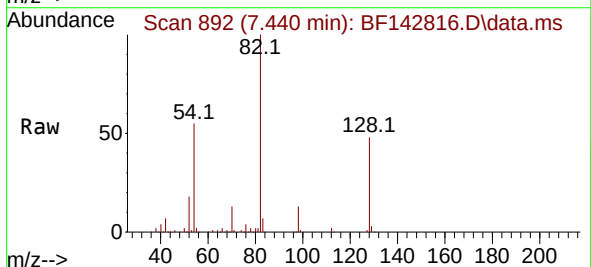
Instrument :
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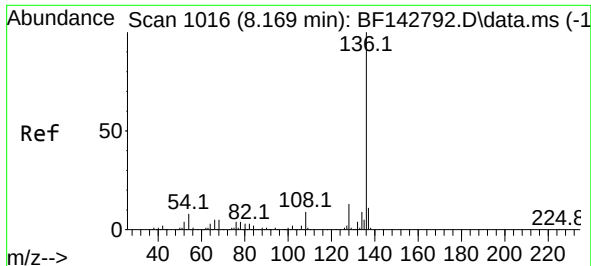
Tgt Ion: 99 Resp: 378537
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.4 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.319 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

Tgt Ion: 70 Resp: 28557
Ion Ratio Lower Upper
70 100
42 52.3 52.1 78.1
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

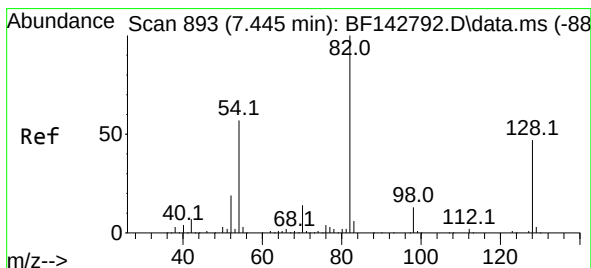
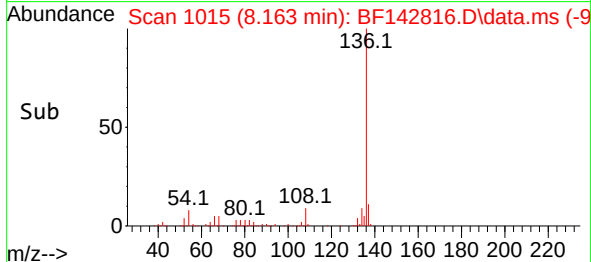
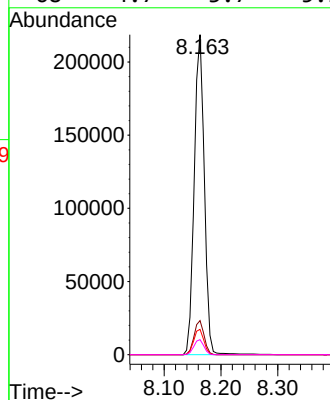
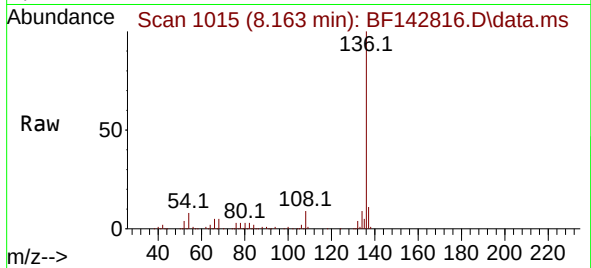




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

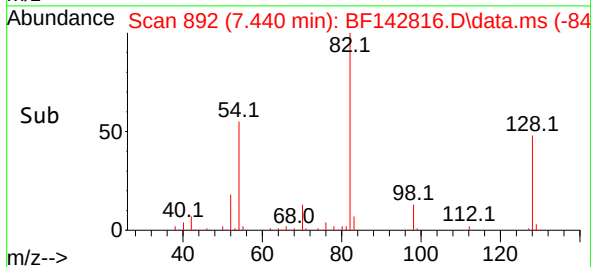
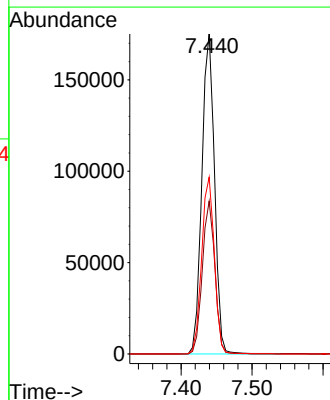
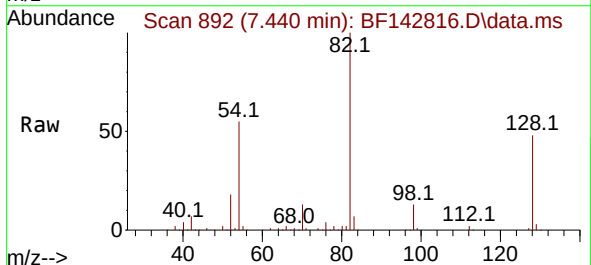
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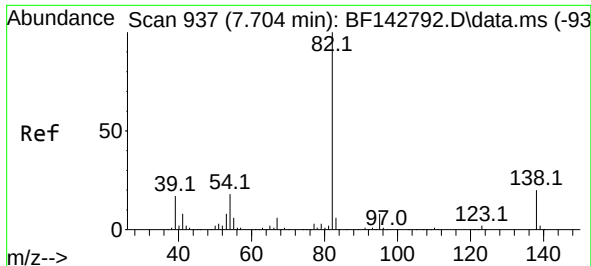
Tgt Ion:136 Resp: 271163
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.9 6.3 9.5
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 44.011 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

Tgt Ion: 82 Resp: 217576
Ion Ratio Lower Upper
82 100
128 47.8 37.7 56.5
54 55.2 45.7 68.5

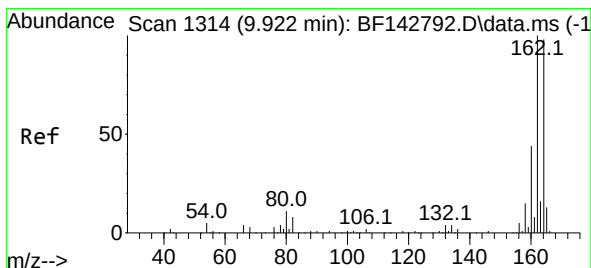
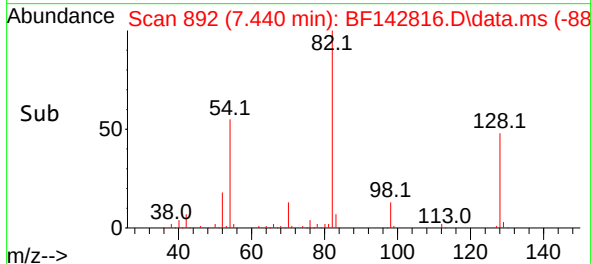
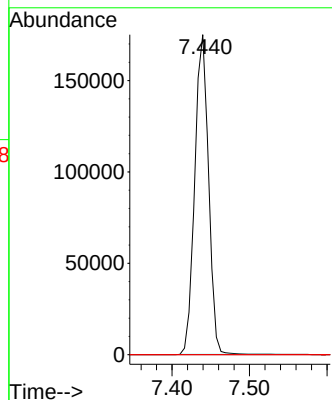
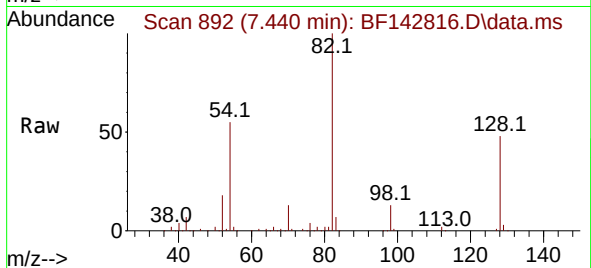




#25
Isophorone
Concen: 27.235 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

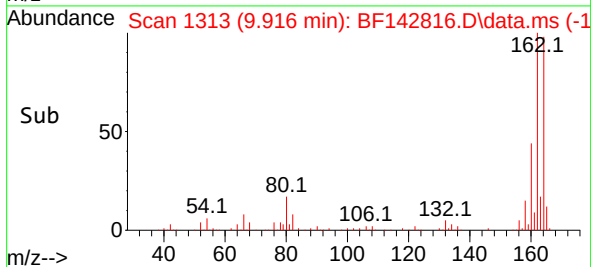
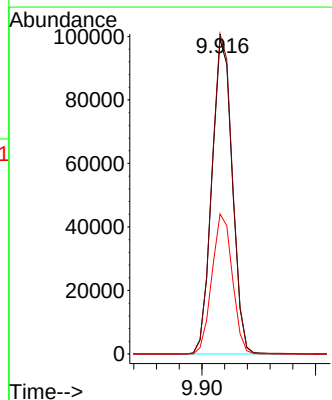
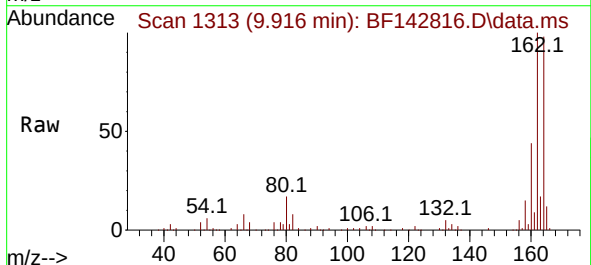
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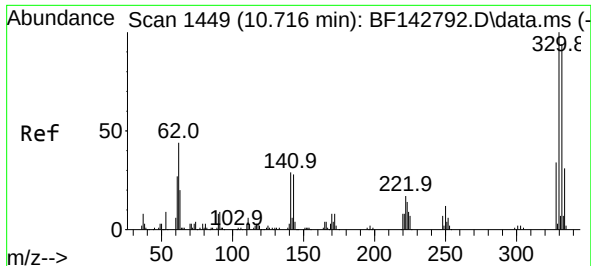
Tgt Ion: 82 Resp: 215987
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

Tgt Ion:164 Resp: 123465
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.8
160 44.4 36.0 54.0

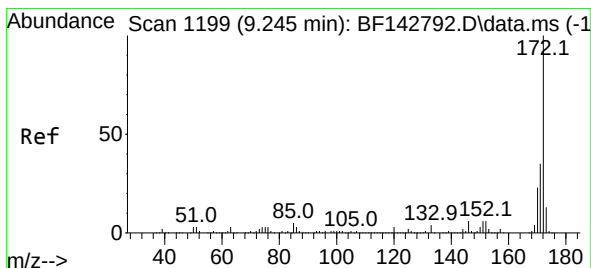
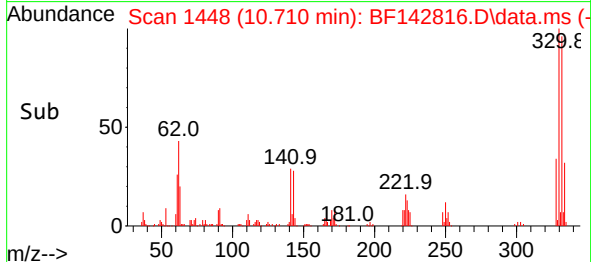
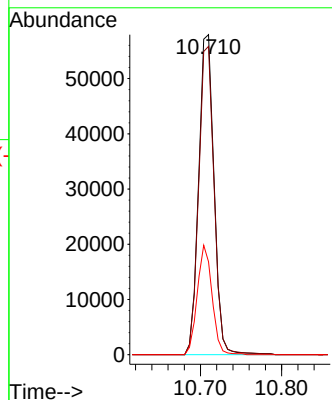
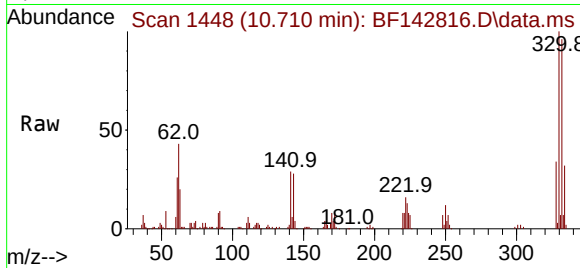




#42
 2,4,6-Tribromophenol
 Concen: 60.083 ng
 RT: 10.710 min Scan# 1449
 Delta R.T. -0.006 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

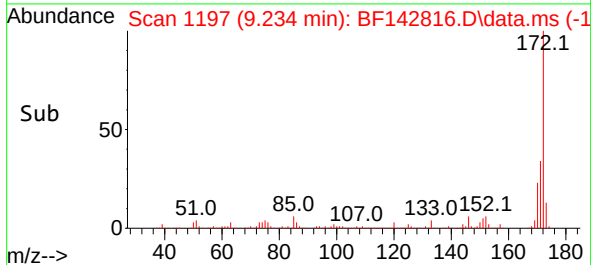
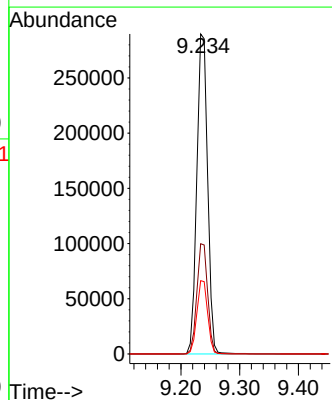
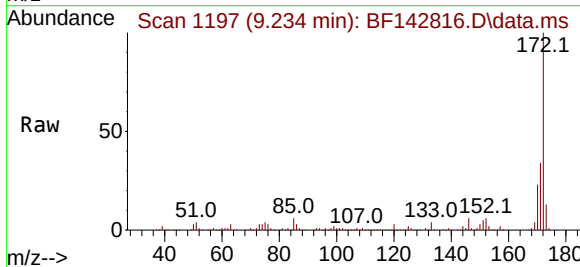
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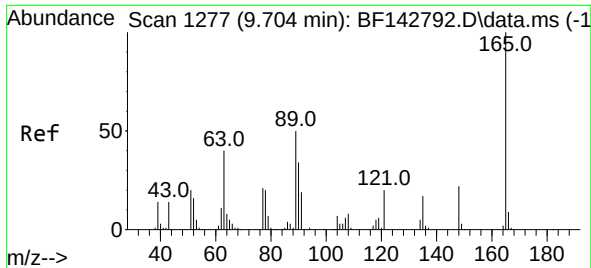
Tgt Ion:330 Resp: 76338
 Ion Ratio Lower Upper
 330 100
 332 96.7 75.0 112.6
 141 32.9 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 39.356 ng
 RT: 9.234 min Scan# 1197
 Delta R.T. -0.011 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

Tgt Ion:172 Resp: 369884
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.2 42.4
 170 22.9 18.5 27.7

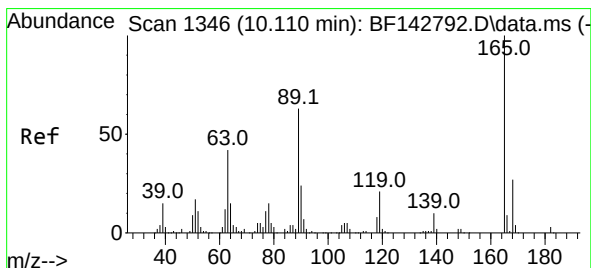
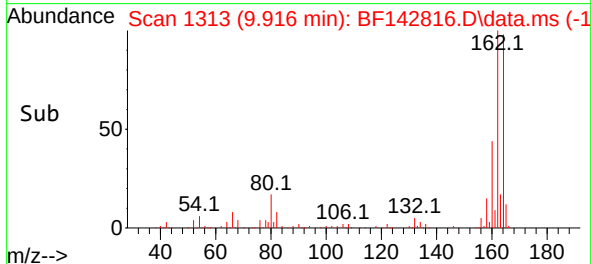
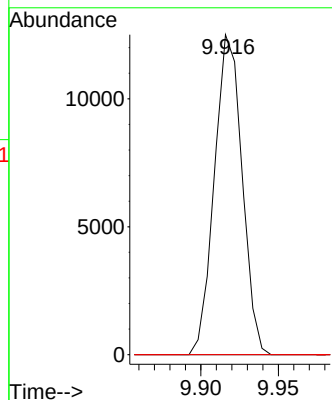
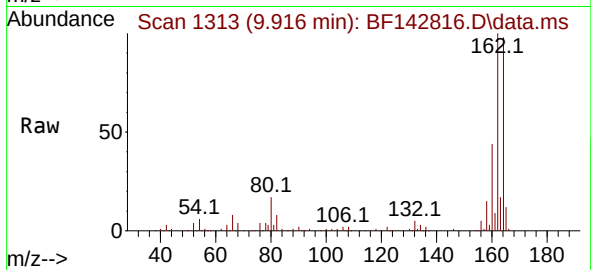




#51
2,6-Dinitrotoluene
Concen: 8.853 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

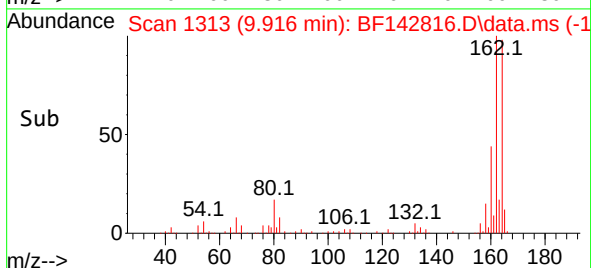
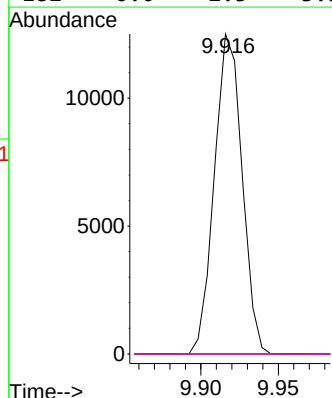
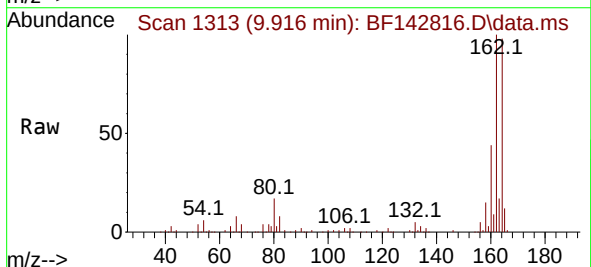
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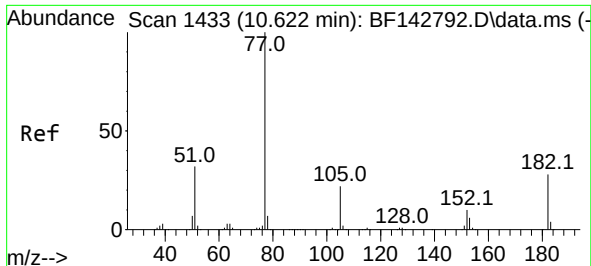
Tgt Ion:165 Resp: 15538
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.665 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

Tgt Ion:165 Resp: 15538
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

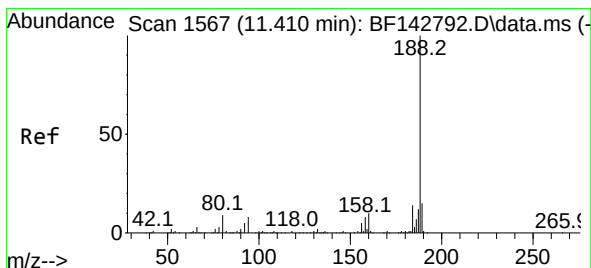
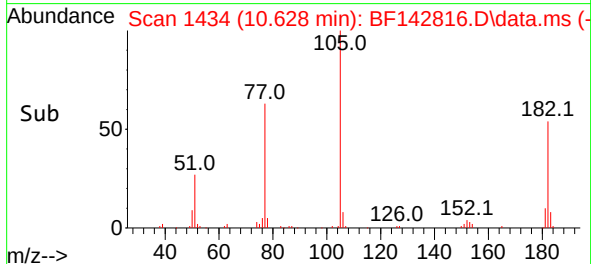
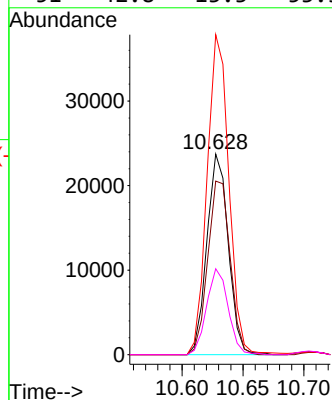
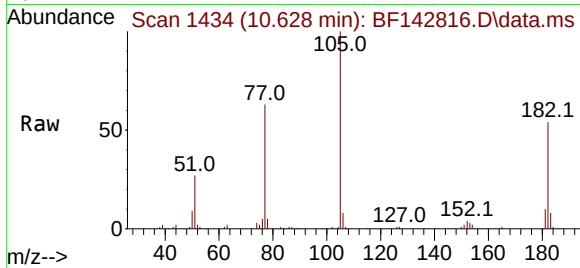




#63
 Azobenzene
 Concen: 4.158 ng
 RT: 10.628 min Scan# 1433
 Delta R.T. 0.006 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

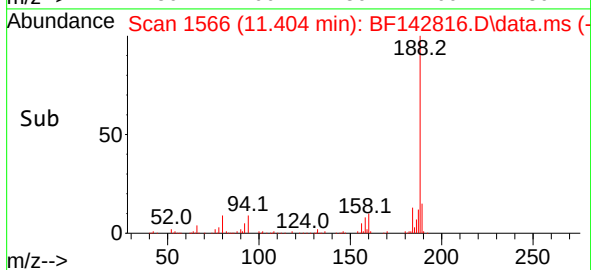
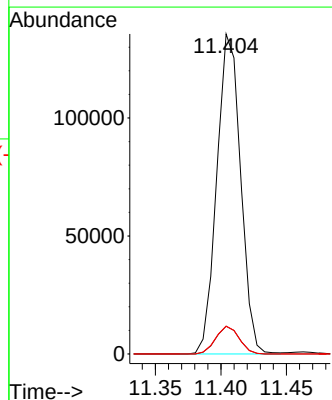
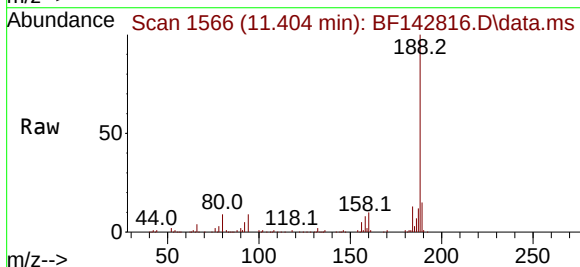
Instrument :
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 VNJ-211

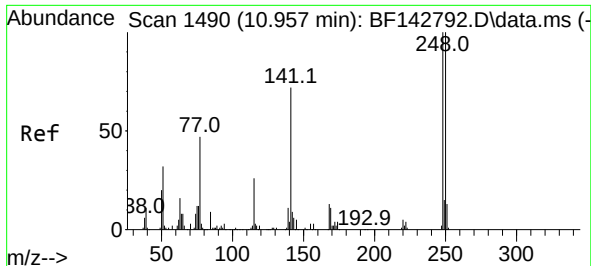
Tgt Ion: 77 Resp: 29120
 Ion Ratio Lower Upper
 77 100
 182 86.5 7.7 47.7#
 105 159.5 1.9 41.9#
 51 42.8 13.3 53.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1566
 Delta R.T. -0.006 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

Tgt Ion: 188 Resp: 171141
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.7 10.1
 80 8.7 6.9 10.3

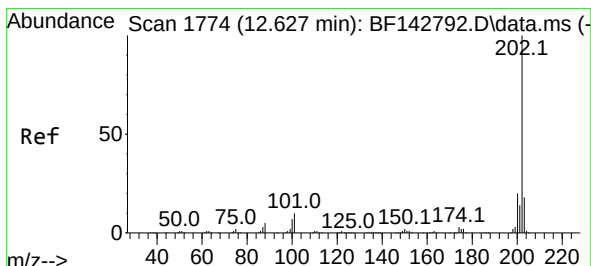
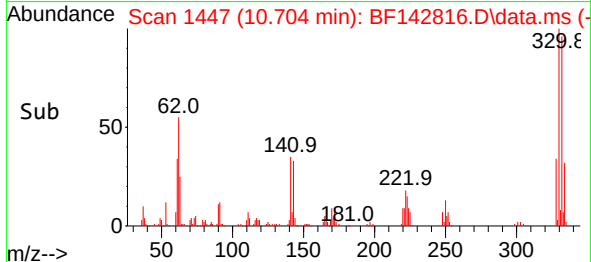
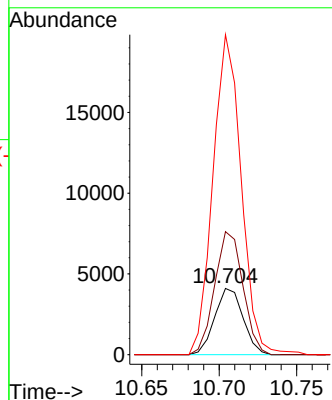
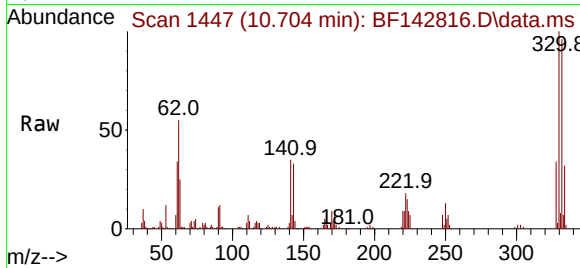




#67
4-Bromophenyl-phenylether
Concen: 2.683 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

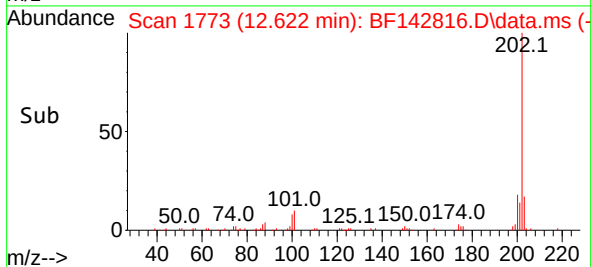
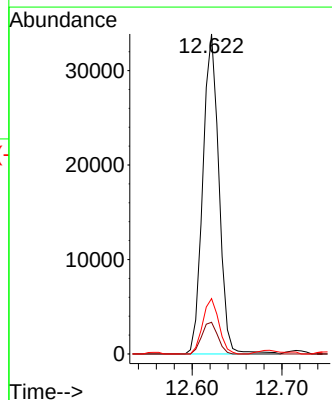
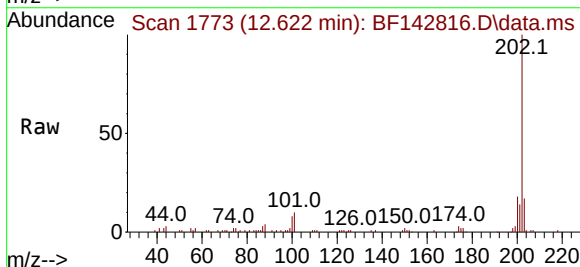
Instrument :
BNA_F
ClientSampleId :
VNJ-211

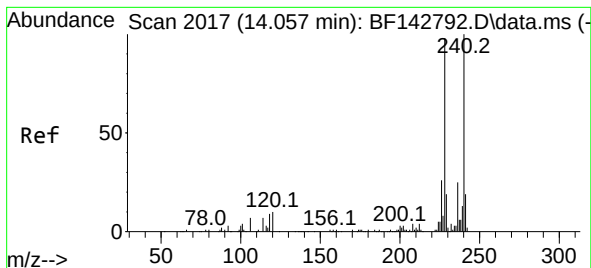
Tgt Ion:248 Resp: 5226
Ion Ratio Lower Upper
248 100
250 185.6 79.8 119.8#
141 482.7 57.8 86.6#



#75
Fluoranthene
Concen: 4.794 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

Tgt Ion:202 Resp: 42177
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 17.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142816.D

Acq: 24 Jun 2025 12:53

Instrument :

BNA_F

ClientSampleId :

VNJ-211

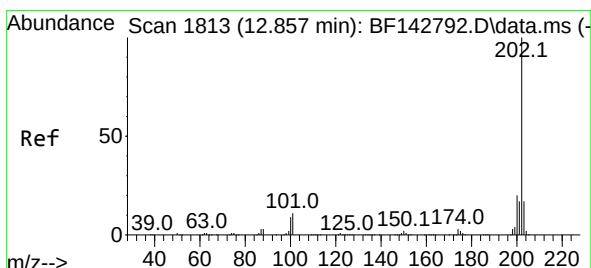
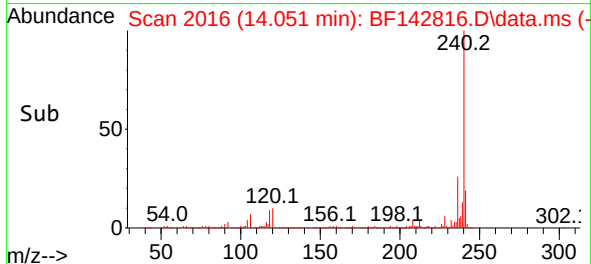
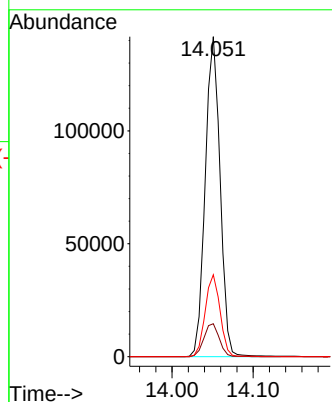
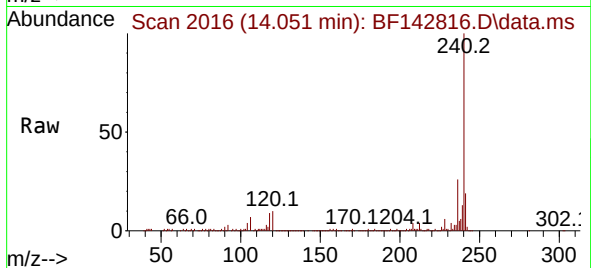
Tgt Ion:240 Resp: 179851

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 25.6 19.8 29.8



#78

Pyrene

Concen: 2.204 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142816.D

Acq: 24 Jun 2025 12:53

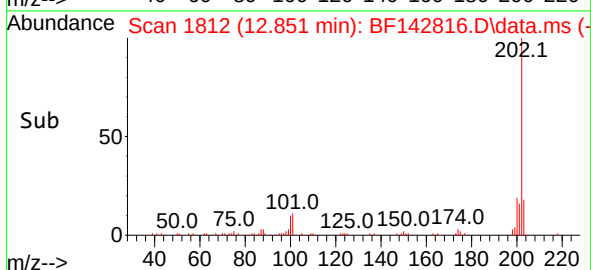
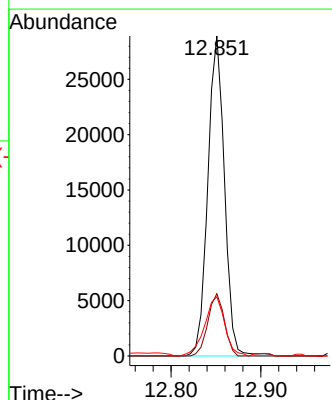
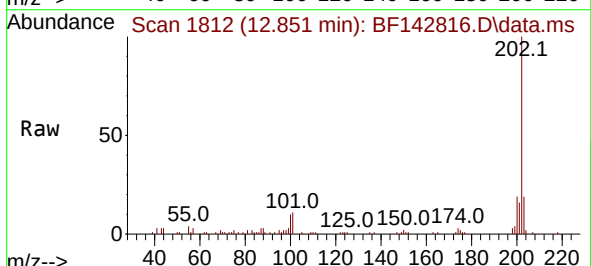
Tgt Ion:202 Resp: 37163

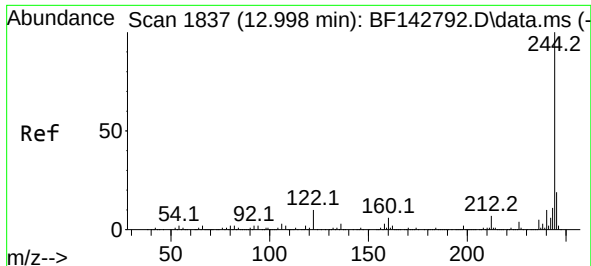
Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

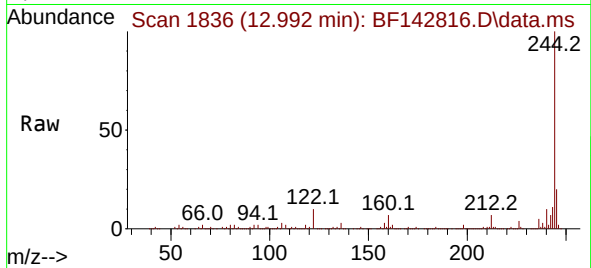
203 18.5 13.8 20.6



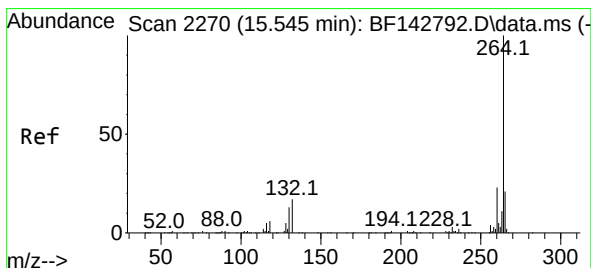
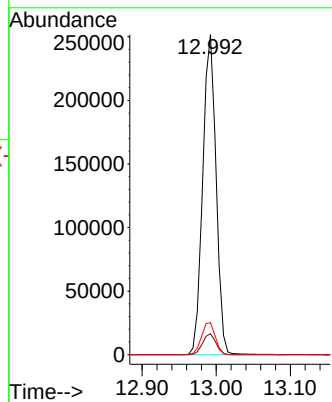
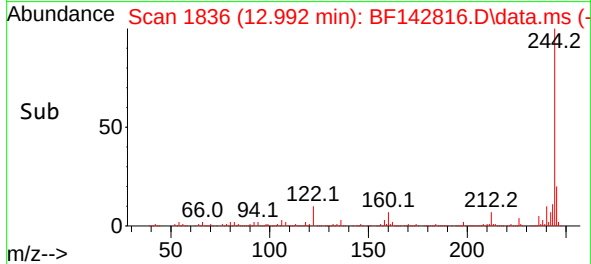


#79
 Terphenyl-d14
 Concen: 24.163 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

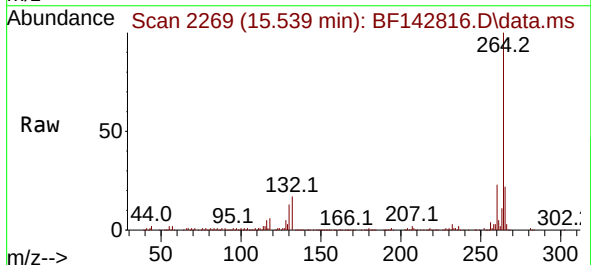
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211



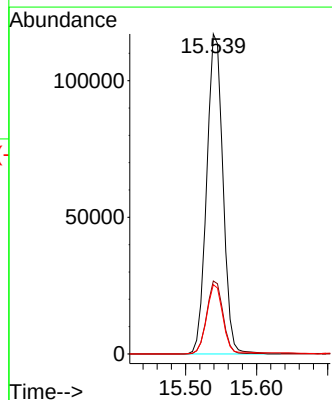
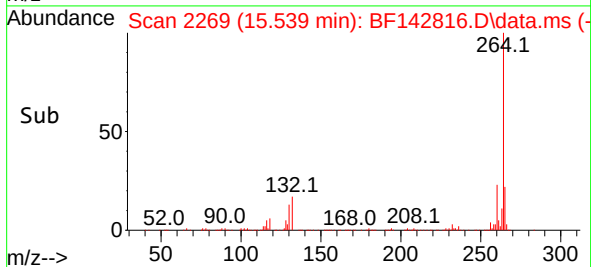
Tgt Ion:244 Resp: 314527
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.0 8.2 12.2

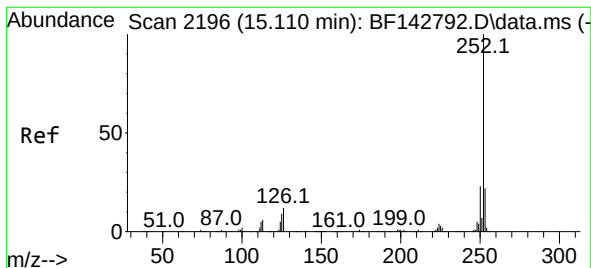


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53



Tgt Ion:264 Resp: 186666
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.1 27.1
 265 21.6 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 3.784 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142816.D

Acq: 24 Jun 2025 12:53

Instrument :

BNA_F

ClientSampleId :

VNJ-211

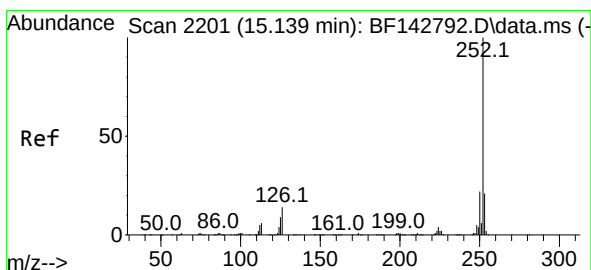
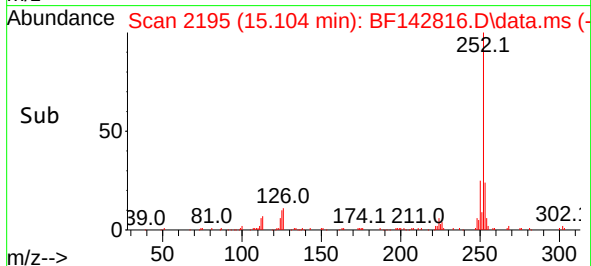
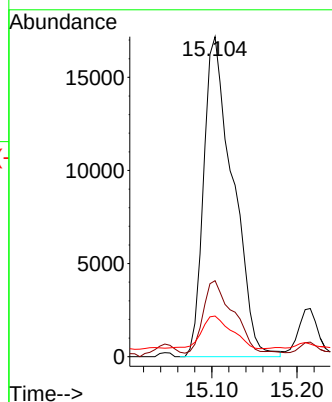
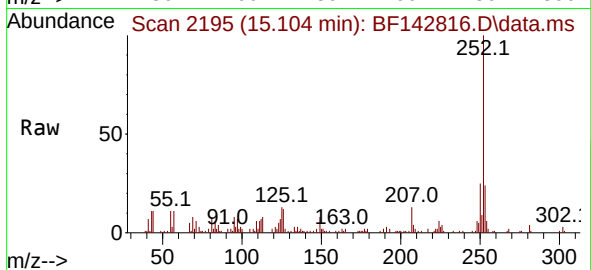
Tgt Ion:252 Resp: 40876

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 12.7 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 4.045 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142816.D

Acq: 24 Jun 2025 12:53

Tgt Ion:252 Resp: 40876

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

125 12.7 7.4 11.2#

