

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)

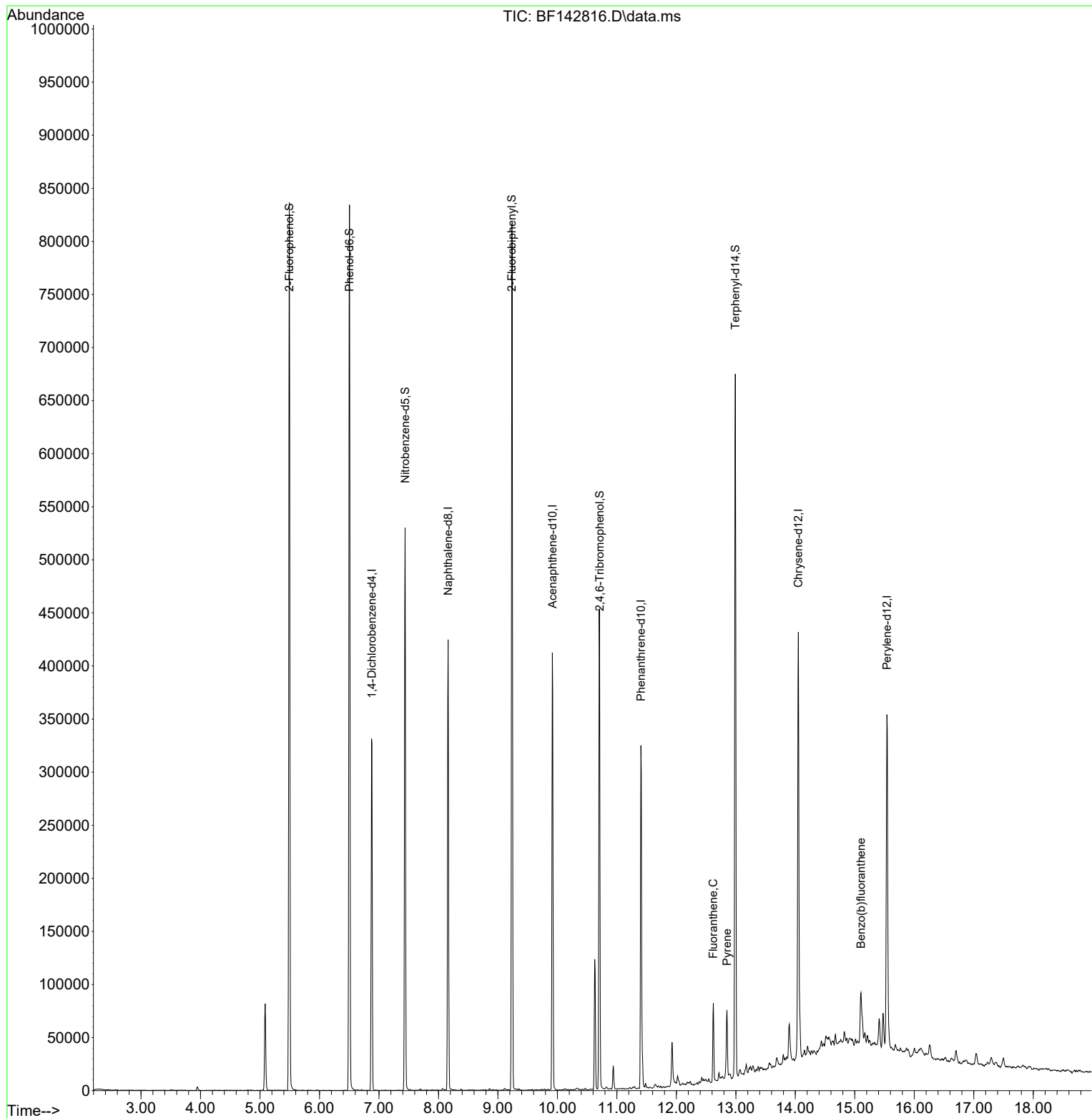
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74357	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	271163	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	123465	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	171141	20.000	ng	0.00
76) Chrysene-d12	14.051	240	179851	20.000	ng	0.00
86) Perylene-d12	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
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	31368m	2.904	ng	

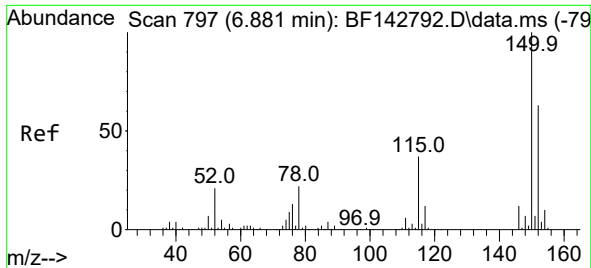
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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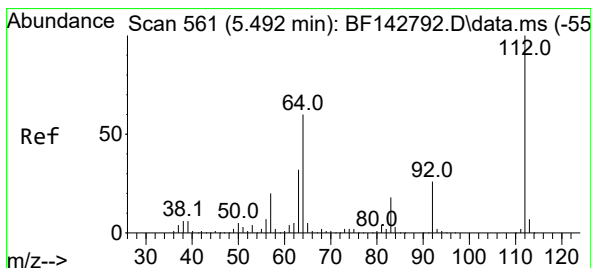
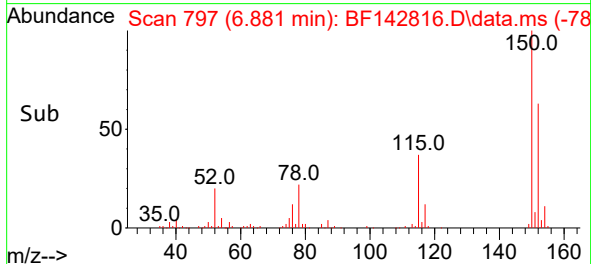
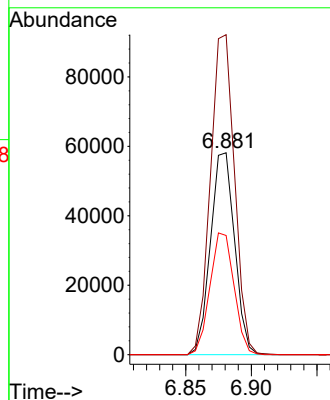
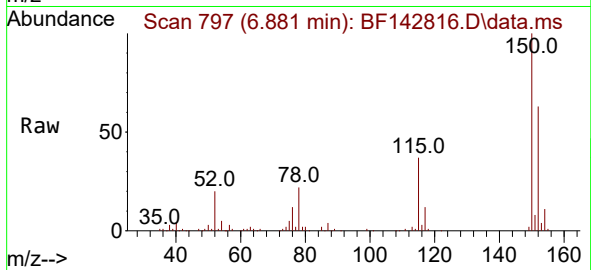




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

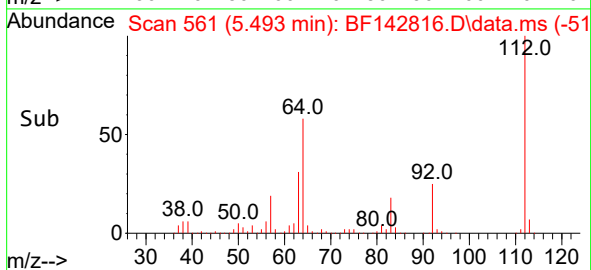
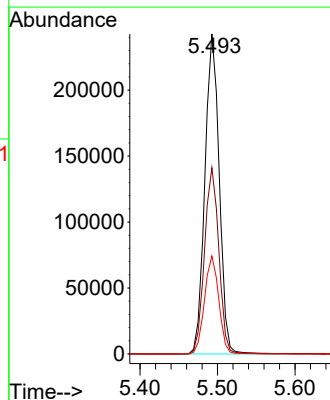
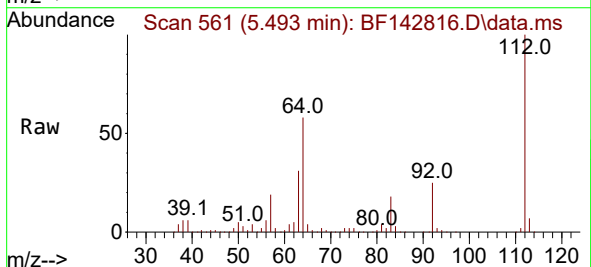
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

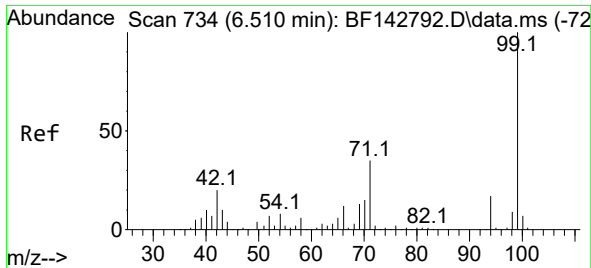
Tgt Ion:152 Resp: 74357
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.2 190.8
 115 59.0 46.6 69.8



#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

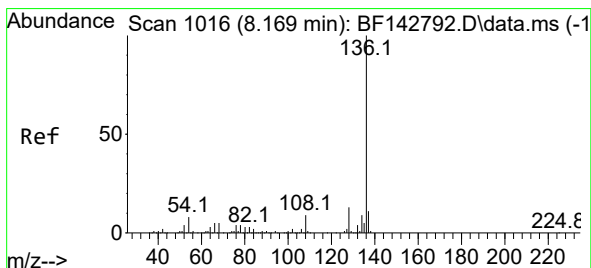
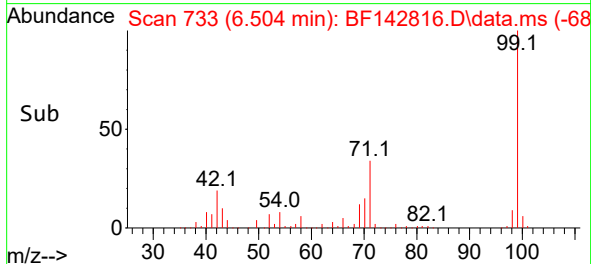
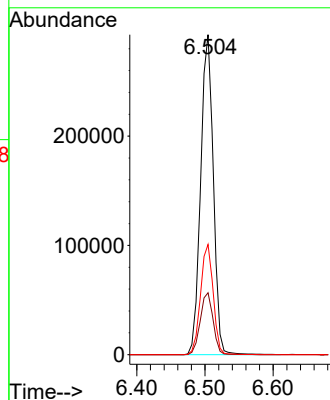
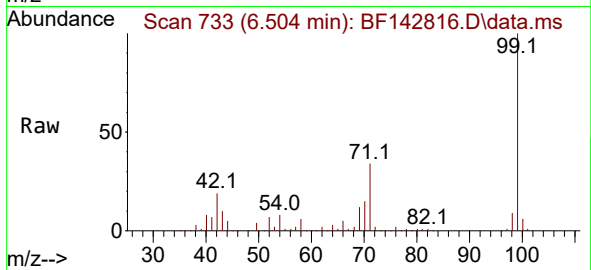




#7
Phenol-d6
Concen: 71.841 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

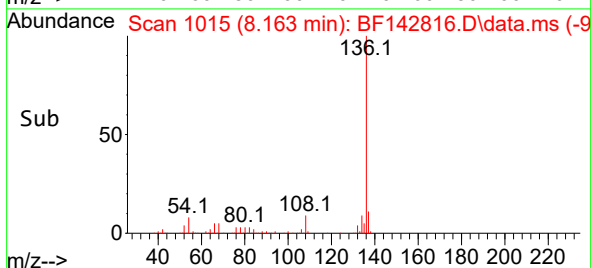
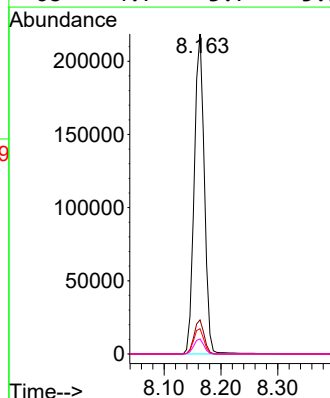
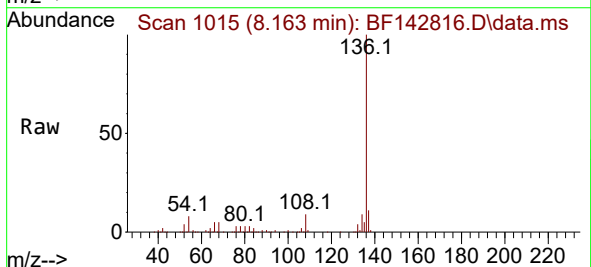
Instrument :
BNA_F
ClientSampleId :
VNJ-211

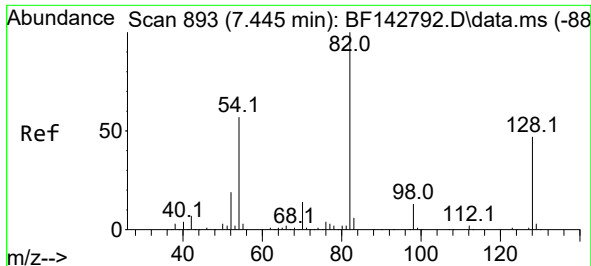
Tgt Ion: 99 Resp: 378537
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.4 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

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

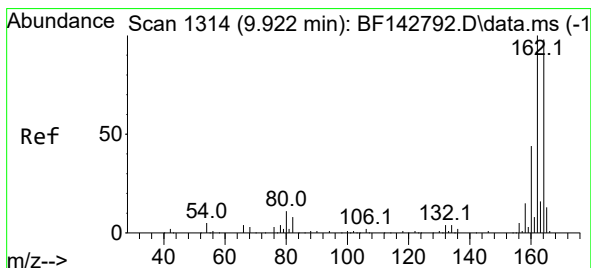
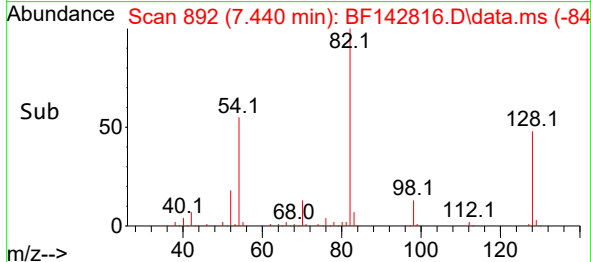
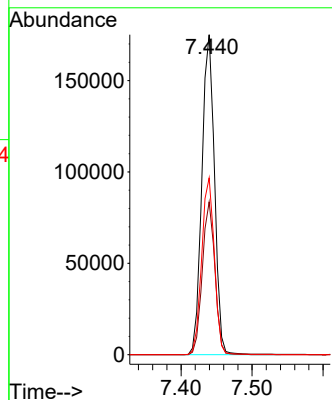
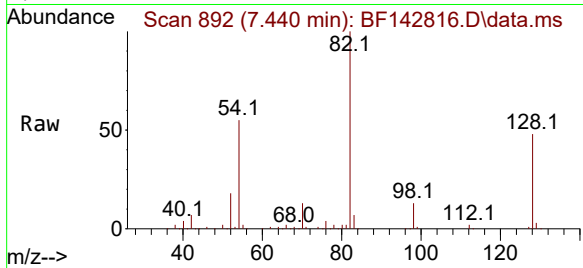




#23
 Nitrobenzene-d5
 Concen: 44.011 ng
 RT: 7.440 min Scan# 89
 Delta R.T. -0.005 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

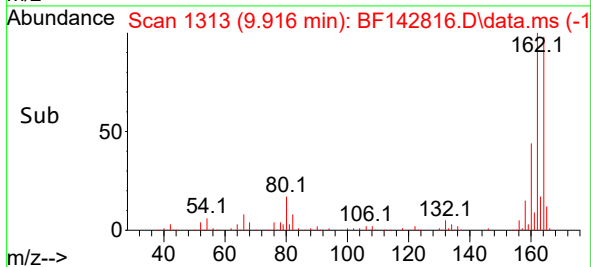
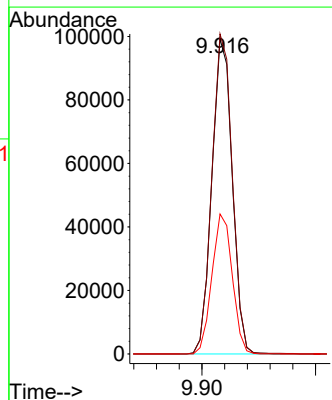
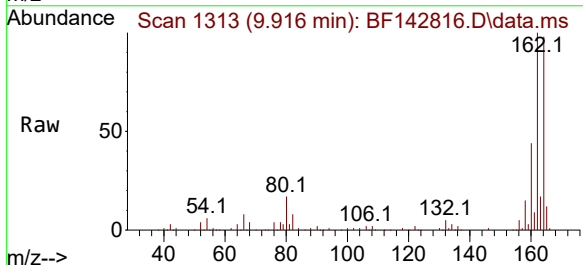
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

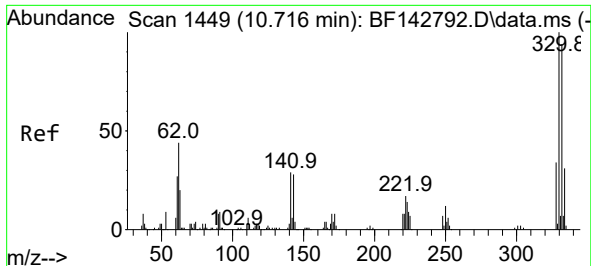
Tgt Ion: 82 Resp: 217576
 Ion Ratio Lower Upper
 82 100
 128 47.8 37.7 56.5
 54 55.2 45.7 68.5



#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

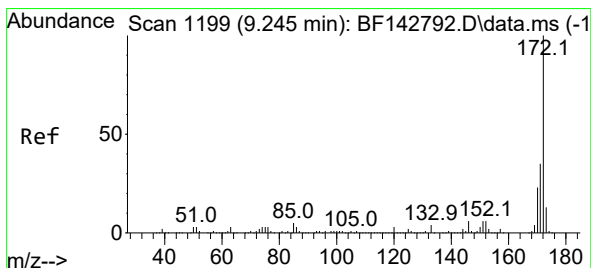
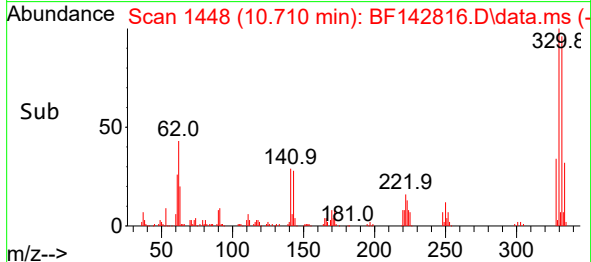
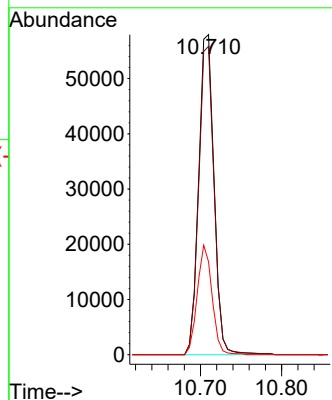
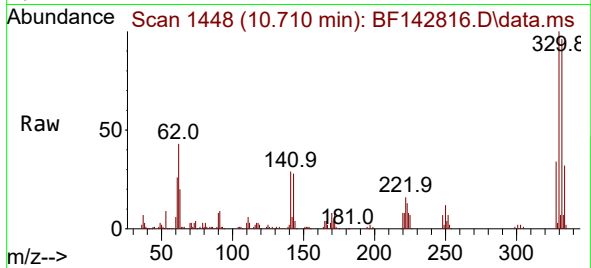




#42
2,4,6-Tribromophenol
Concen: 60.083 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142816.D
Acq: 24 Jun 2025 12:53

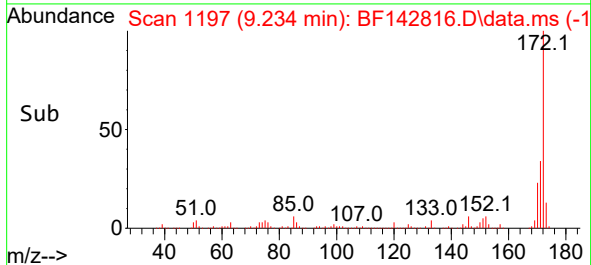
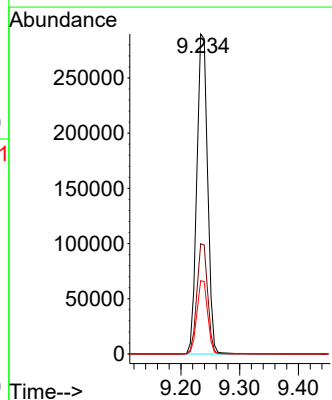
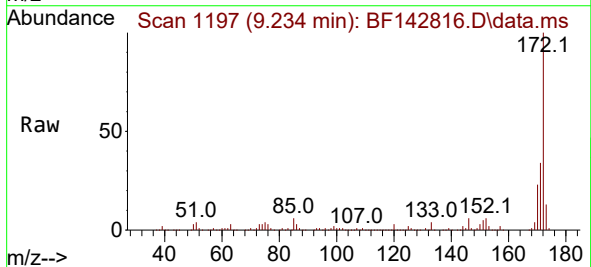
Instrument :
BNA_F
ClientSampleId :
VNJ-211

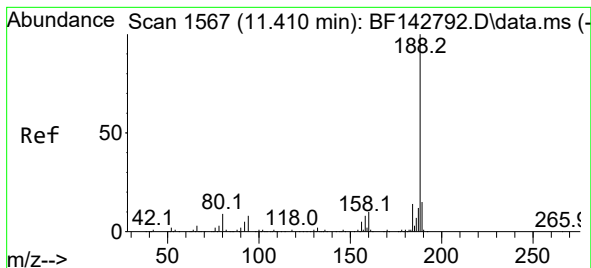
Tgt Ion:330 Resp: 76338
Ion Ratio Lower Upper
330 100
332 96.7 75.0 112.6
141 32.9 25.3 37.9



#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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142816.D

Acq: 24 Jun 2025 12:53

Instrument :

BNA_F

ClientSampleId :

VNJ-211

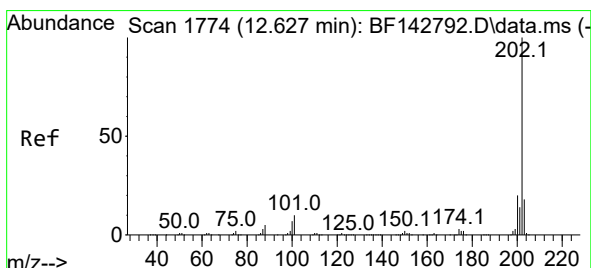
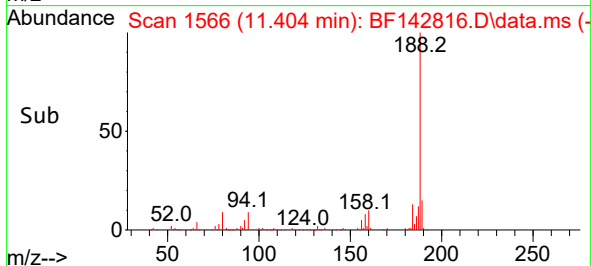
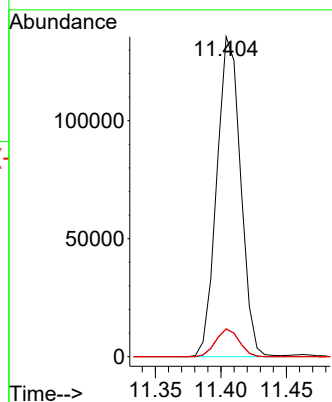
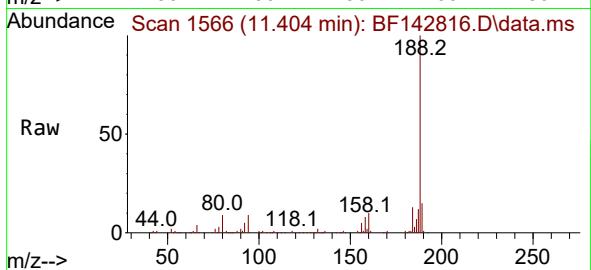
Tgt Ion:188 Resp: 171141

Ion Ratio Lower Upper

188 100

94 8.7 6.7 10.1

80 8.7 6.9 10.3



#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

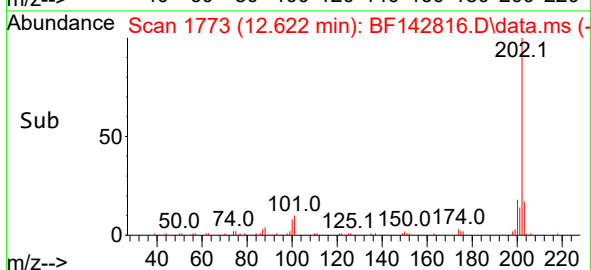
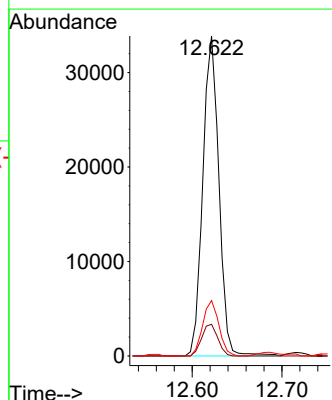
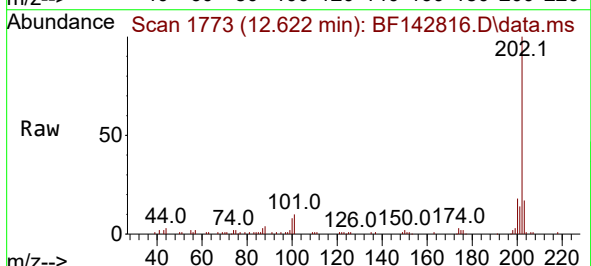
Tgt Ion:202 Resp: 42177

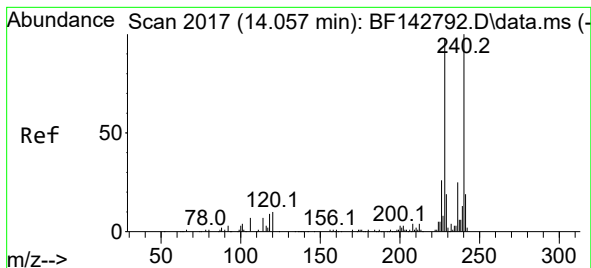
Ion Ratio Lower Upper

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

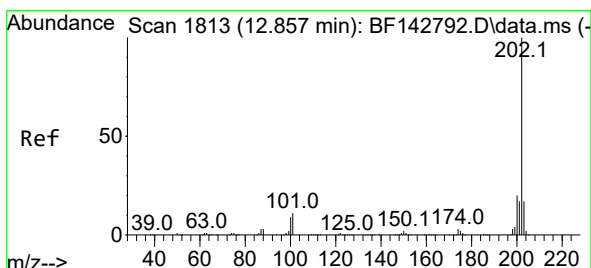
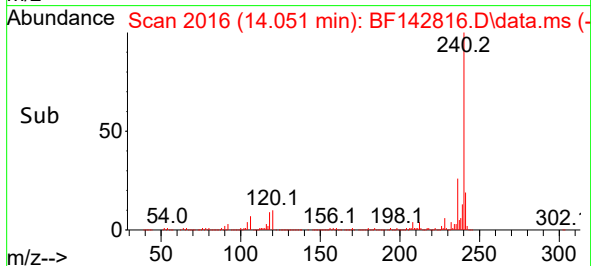
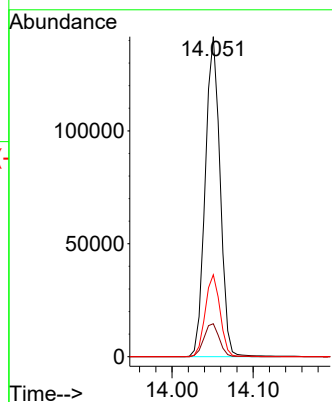
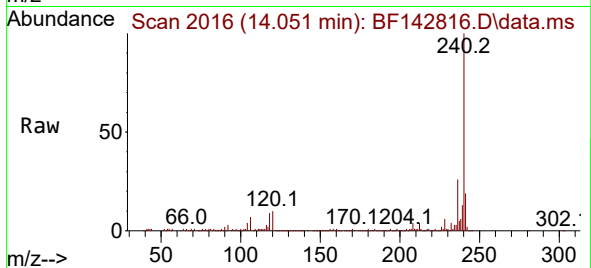
Tgt Ion:240 Resp: 179851

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

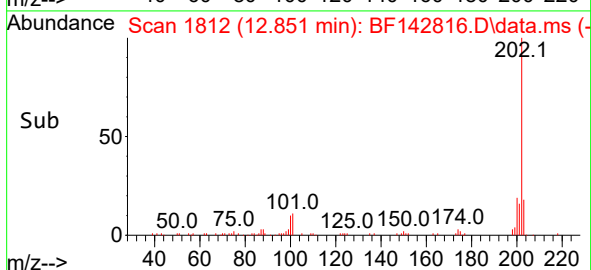
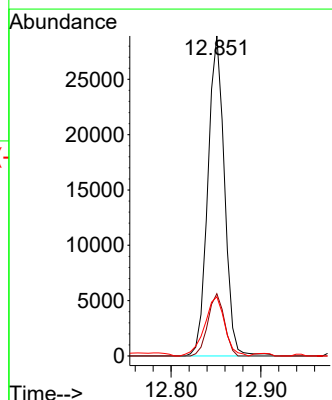
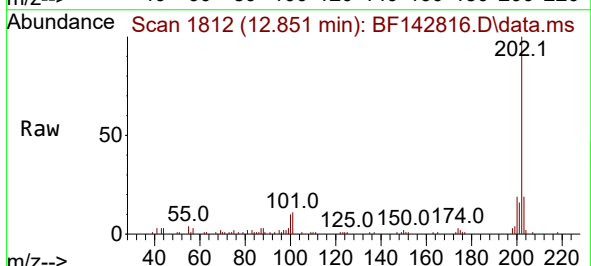
Tgt Ion:202 Resp: 37163

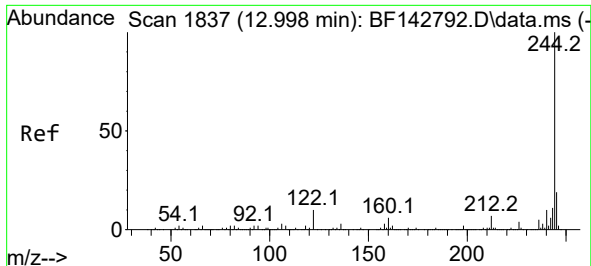
Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 18.5 13.8 20.6

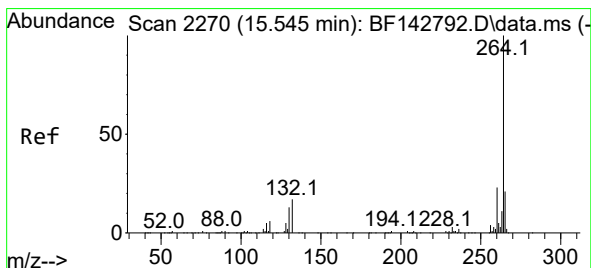
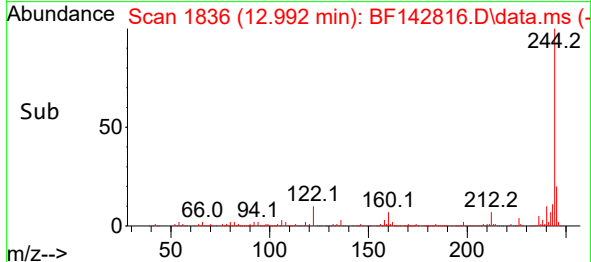
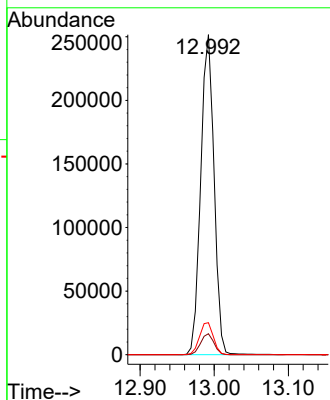
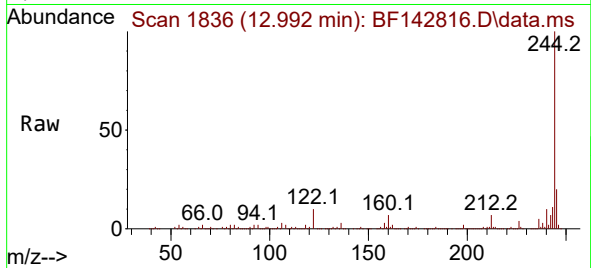




#79
 Terphenyl-d14
 Concen: 24.163 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142816.D
 Acq: 24 Jun 2025 12:53

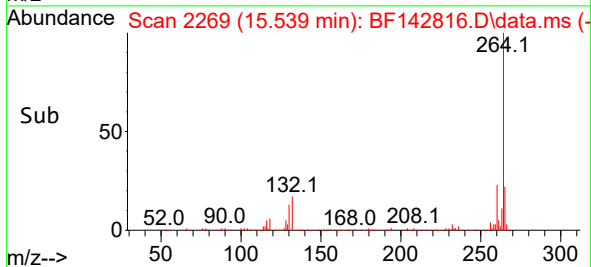
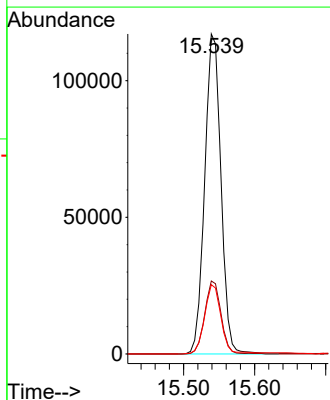
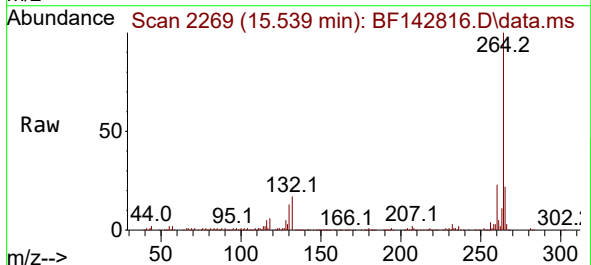
Instrument :
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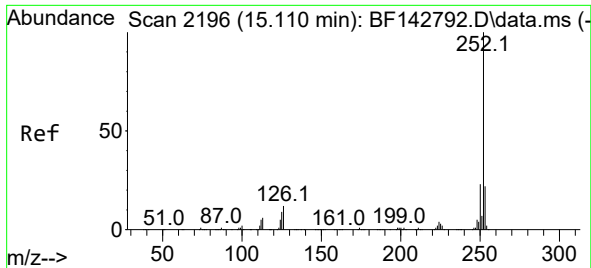
Tgt Ion:244 Resp: 314527
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.0 8.2 12.2



#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: 2.904 ng m
 RT: 15.104 min Scan# 21
 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: 31368
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.5 26.3
 125 12.7 7.4 11.0#

