

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144210.D
 Acq On : 11 Nov 2025 19:01
 Operator : RC/JU
 Sample : Q3581-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-245

Quant Time: Nov 12 03:44:30 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)

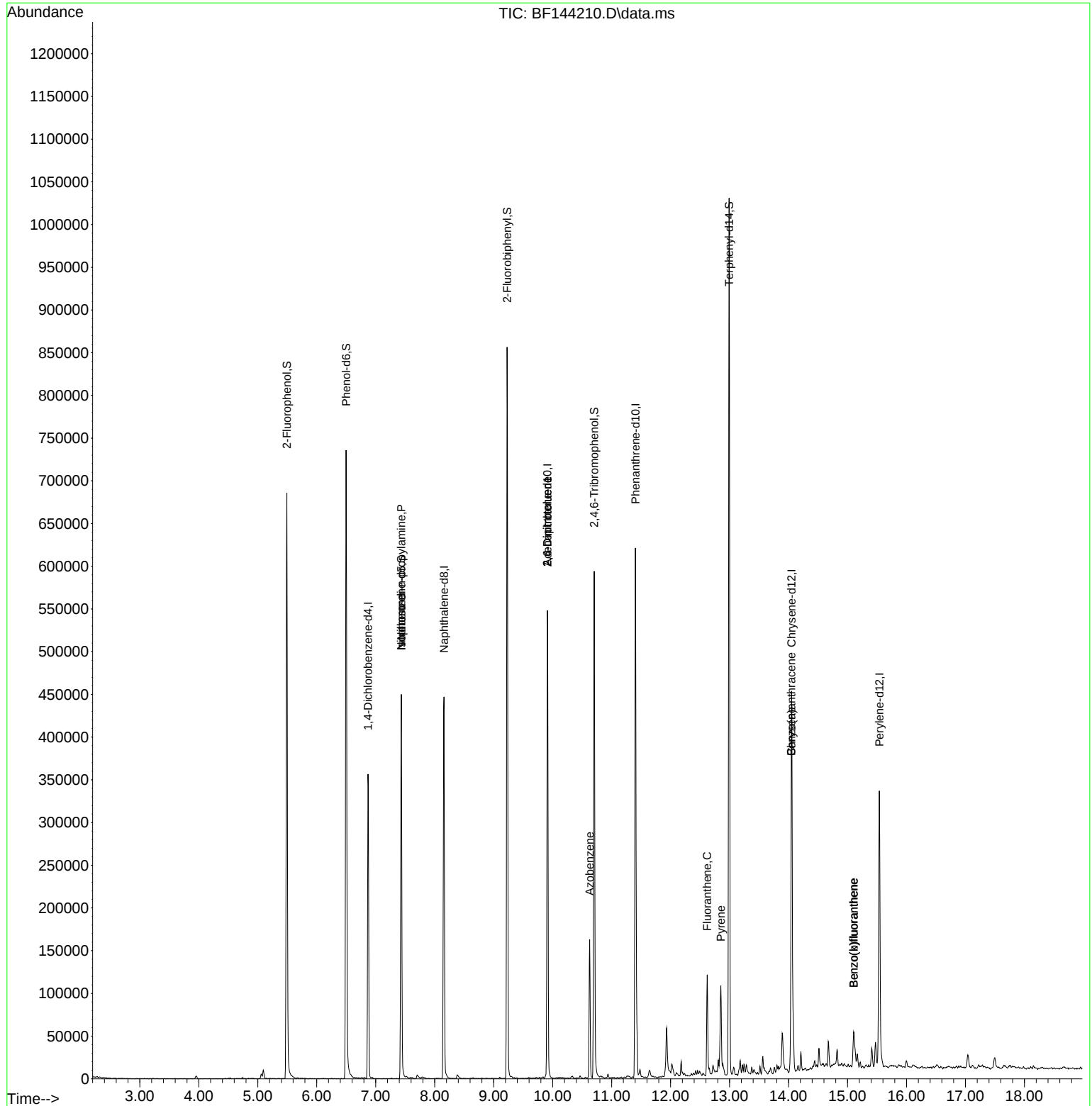
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	77637	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	297589	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	176207	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	338549	20.000	ng	0.00
76) Chrysene-d12	14.051	240	218673	20.000	ng	0.00
86) Perylene-d12	15.539	264	210543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	269873	54.396	ng	0.00
7) Phenol-d6	6.498	99	312898	55.661	ng	0.00
23) Nitrobenzene-d5	7.434	82	190532	36.978	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	121313	54.863	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	401338	33.639	ng	0.00
79) Terphenyl-d14	12.992	244	537004	39.007	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	28062	7.583	ng	# 75
25) Isophorone	7.434	82	190529	19.549	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	23293	9.857	ng	# 28
57) 2,4-Dinitrotoluene	9.910	165	23293	7.363	ng	# 28
63) Azobenzene	10.628	77	40386	4.033	ng	# 1
75) Fluoranthene	12.621	202	68931	3.959	ng	98
78) Pyrene	12.851	202	62661	3.554	ng	97
81) Benzo(a)anthracene	14.045	228	35178	2.321	ng	98
83) Chrysene	14.045	228	35178	2.514	ng	97
88) Benzo(b)fluoranthene	15.104	252	42502	3.551	ng	99
89) Benzo(k)fluoranthene	15.104	252	42502	3.794	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144210.D
Acq On : 11 Nov 2025 19:01
Operator : RC/JU
Sample : Q3581-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-245

Quant Time: Nov 12 03:44:30 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

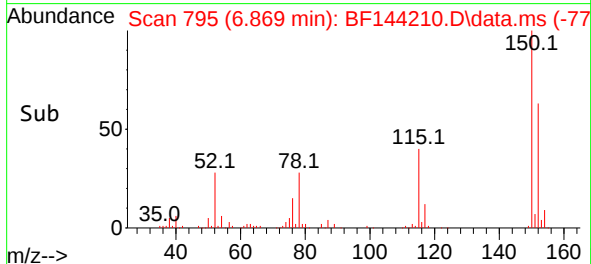
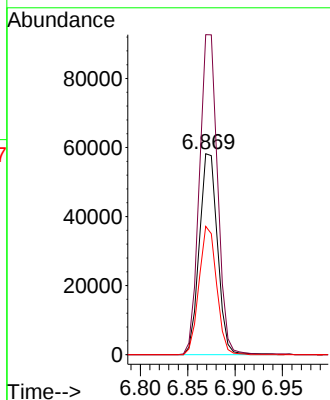
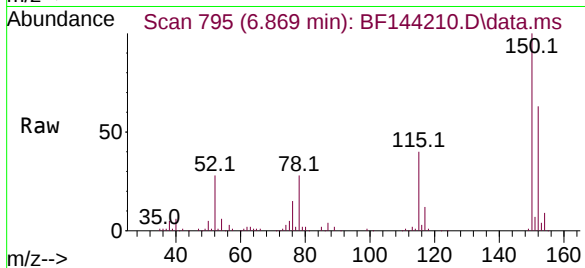




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

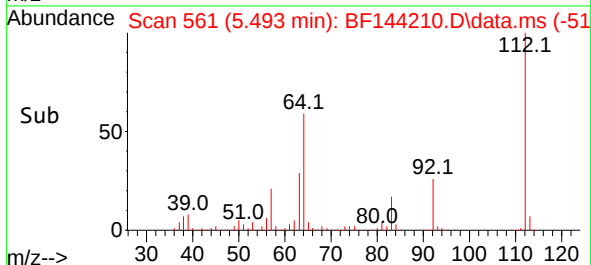
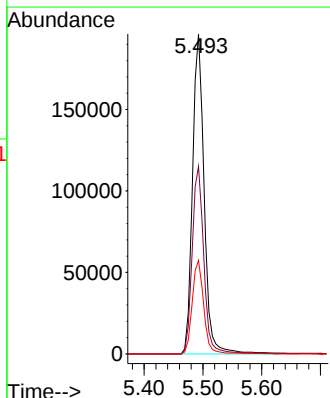
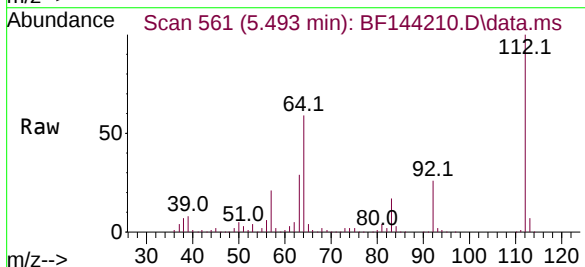
Instrument :
BNA_F
ClientSampleId :
VNJ-245

Tgt Ion:152 Resp: 77637
Ion Ratio Lower Upper
152 100
150 159.3 127.4 191.0
115 63.9 49.5 74.3



#5
2-Fluorophenol
Concen: 54.396 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Tgt Ion:112 Resp: 269873
Ion Ratio Lower Upper
112 100
64 58.6 47.2 70.8
63 29.2 24.4 36.6

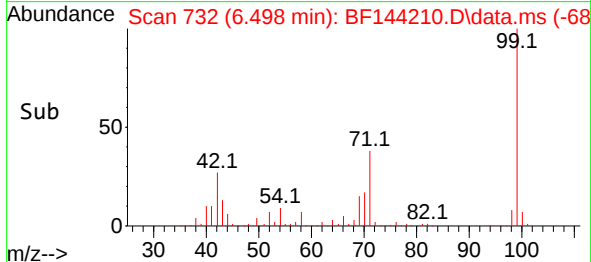
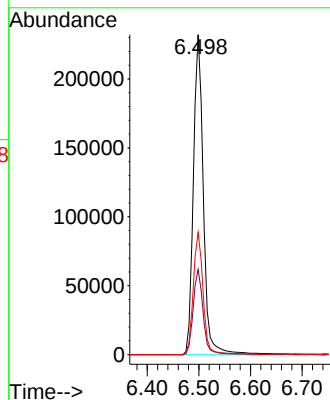
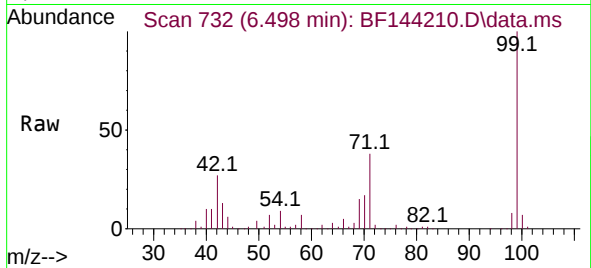




#7
Phenol-d6
Concen: 55.661 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

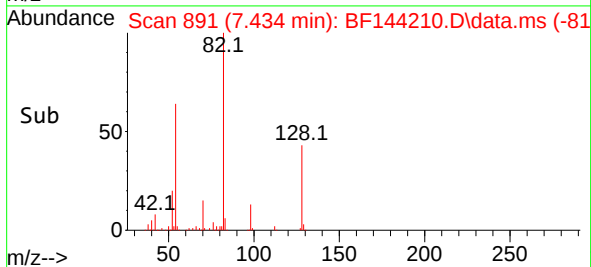
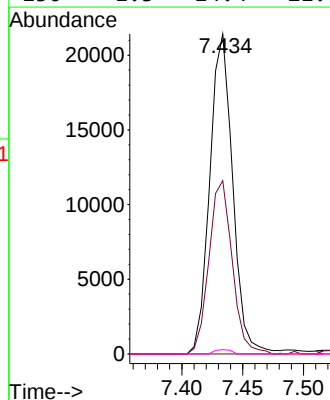
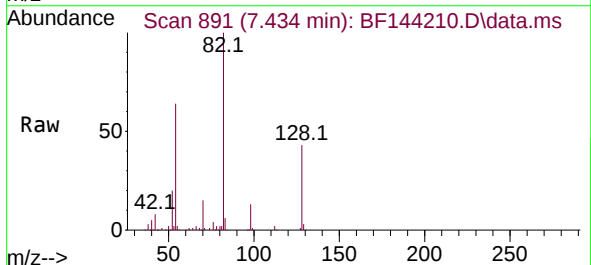
Instrument :
BNA_F
ClientSampleId :
VNJ-245

Tgt Ion: 99 Resp: 312898
Ion Ratio Lower Upper
99 100
42 26.6 20.9 31.3
71 38.2 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 7.583 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Tgt Ion: 70 Resp: 28062
Ion Ratio Lower Upper
70 100
42 54.1 58.3 87.5#
101 0.0 7.0 10.6#
130 1.3 14.4 21.6#



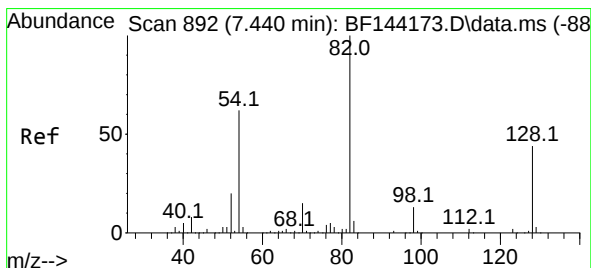
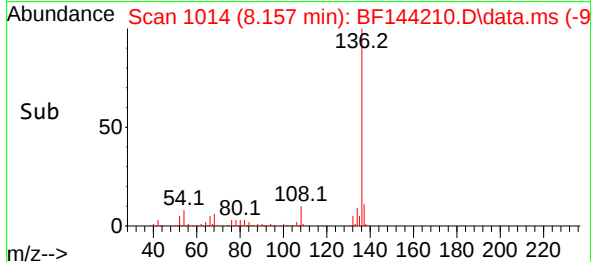
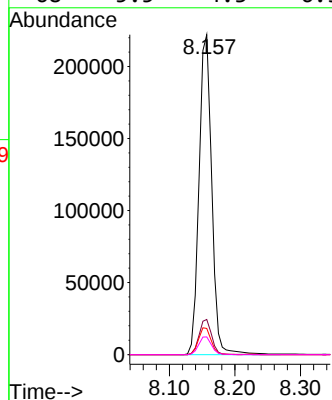
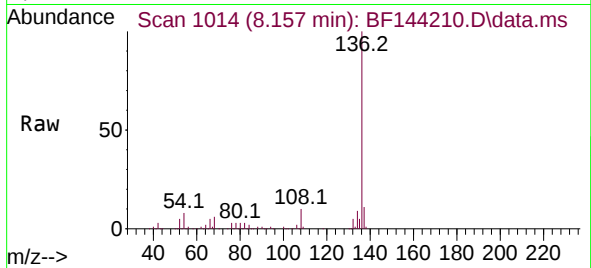


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Instrument :
BNA_F
ClientSampleId :
VNJ-245

Tgt Ion:136 Resp: 297589

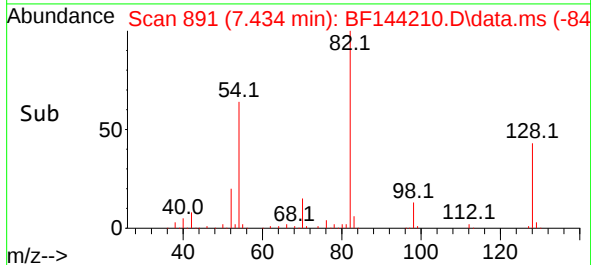
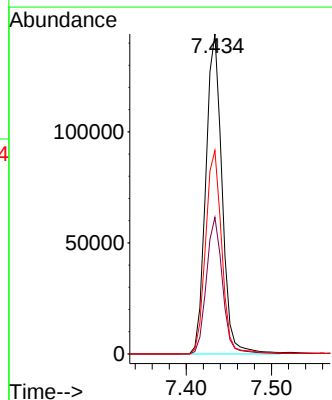
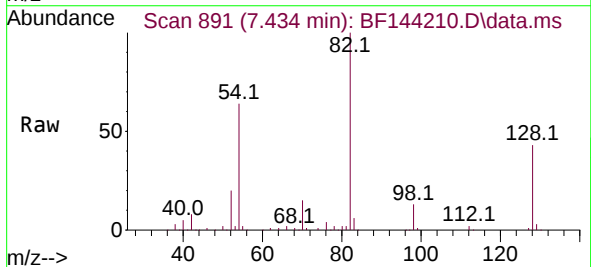
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.2	7.0	10.6
68	5.5	4.3	6.5

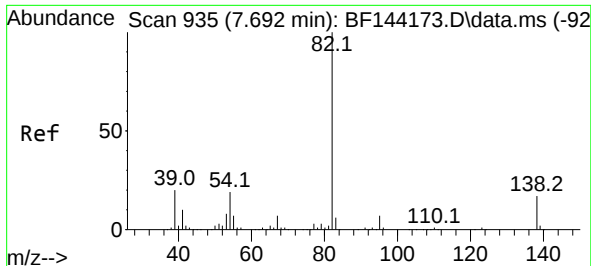


#23
Nitrobenzene-d5
Concen: 36.978 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Tgt Ion: 82 Resp: 190532

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.7	52.1
54	63.6	49.5	74.3

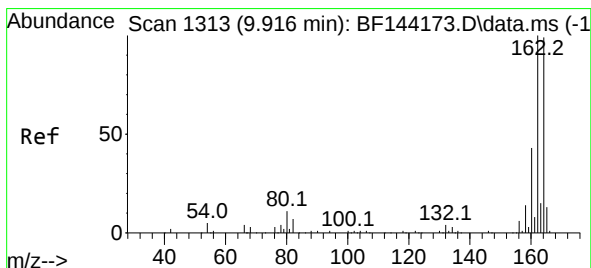
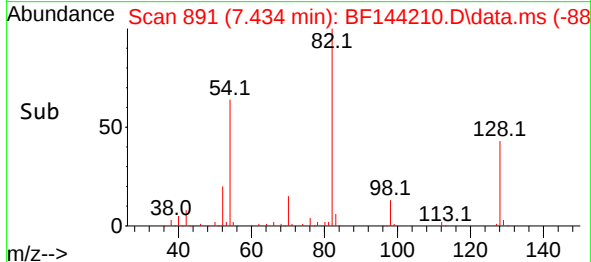
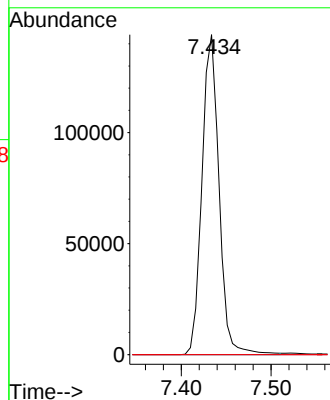
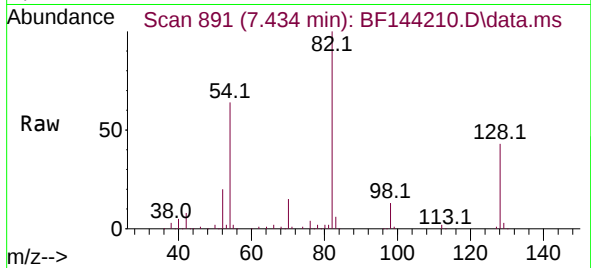




#25
Isophorone
Concen: 19.549 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.253 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

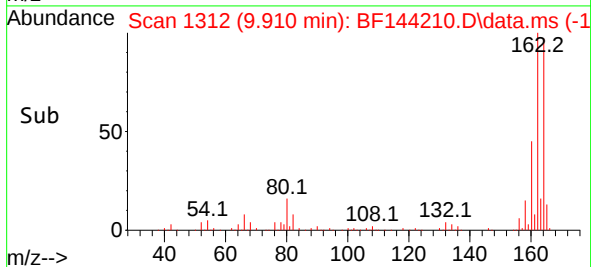
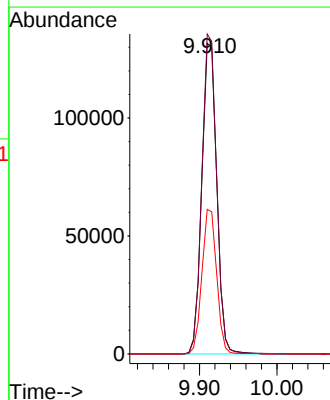
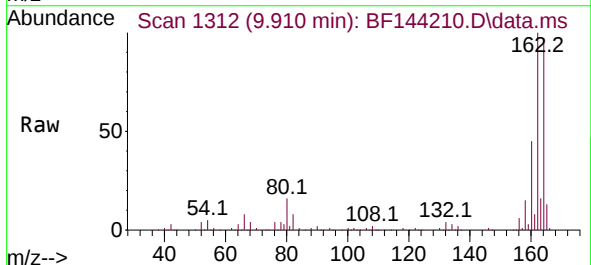
Instrument :
BNA_F
ClientSampleId :
VNJ-245

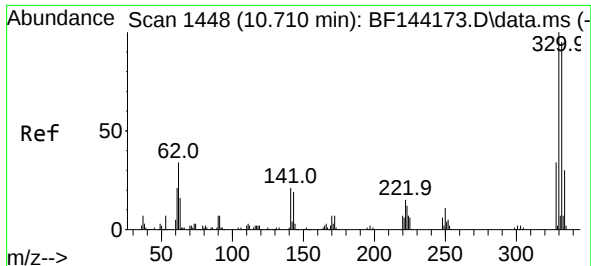
Tgt Ion: 82 Resp: 190529
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Tgt Ion:164 Resp: 176207
Ion Ratio Lower Upper
164 100
162 103.0 81.1 121.7
160 46.5 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 54.863 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

Instrument :

BNA_F

ClientSampleId :

VNJ-245

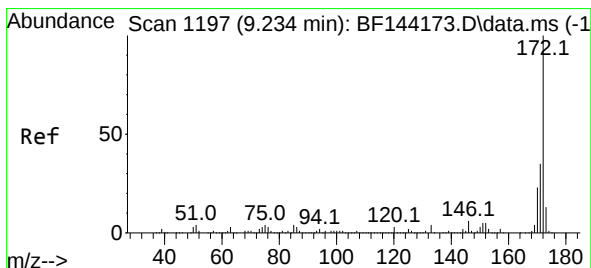
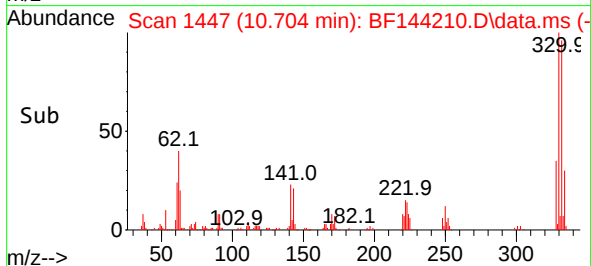
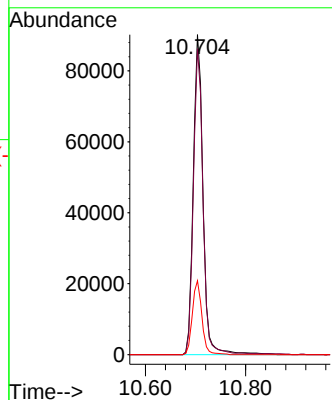
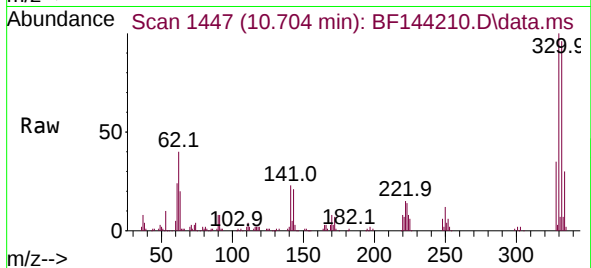
Tgt Ion:330 Resp: 121313

Ion Ratio Lower Upper

330 100

332 94.5 76.7 115.1

141 22.6 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 33.639 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

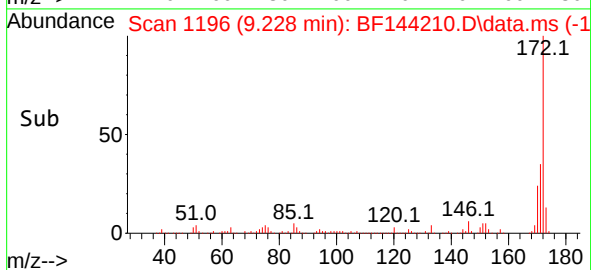
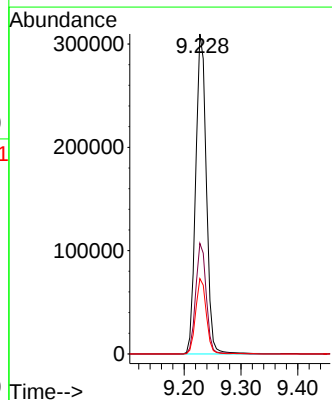
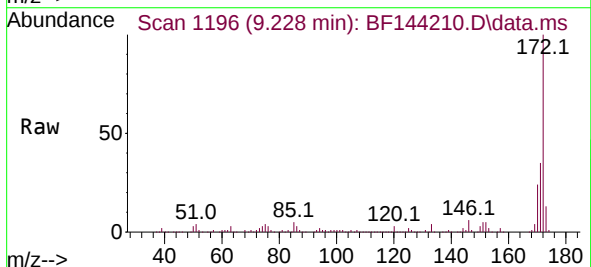
Tgt Ion:172 Resp: 401338

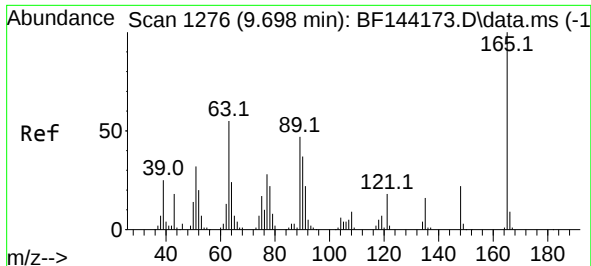
Ion Ratio Lower Upper

172 100

171 34.5 28.1 42.1

170 23.5 18.6 28.0

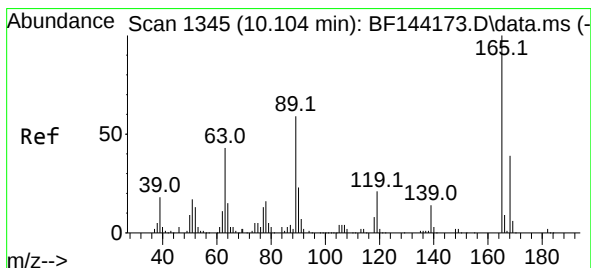
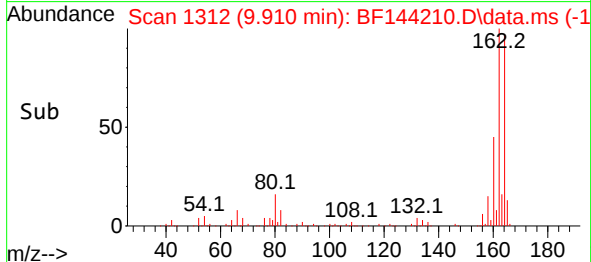
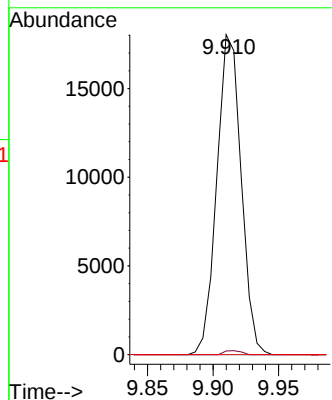
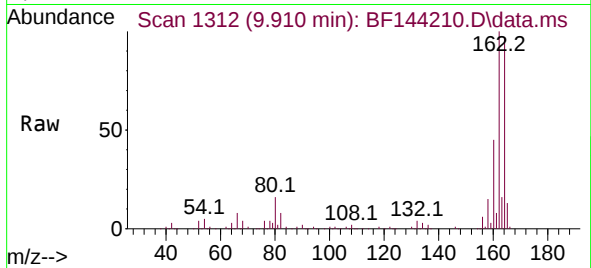




#51
2,6-Dinitrotoluene
Concen: 9.857 ng
RT: 9.910 min Scan# 1312
Delta R.T. 0.218 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

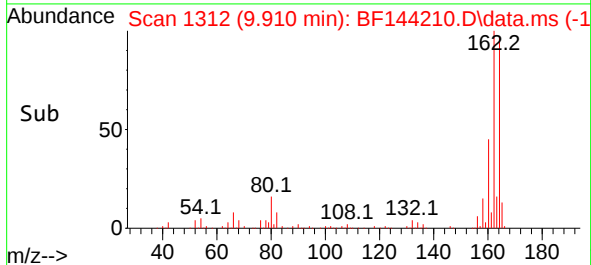
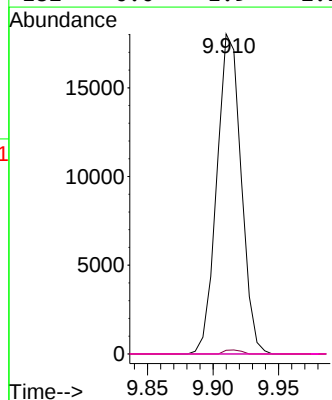
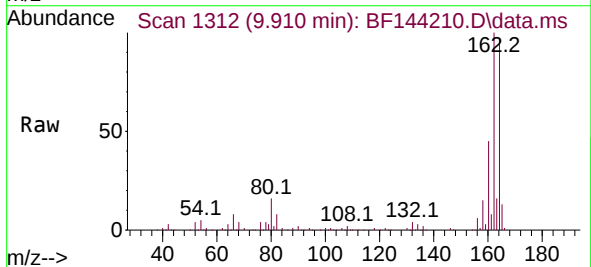
Instrument :
BNA_F
ClientSampleId :
VNJ-245

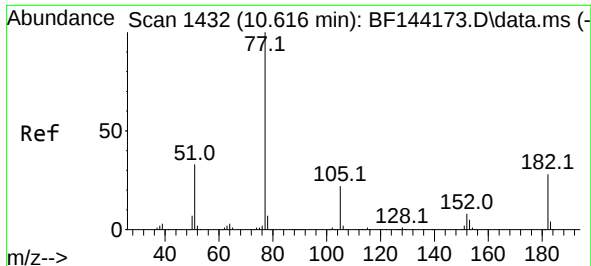
Tgt Ion:165 Resp: 23293
Ion Ratio Lower Upper
165 100
63 1.1 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.363 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.188 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Tgt Ion:165 Resp: 23293
Ion Ratio Lower Upper
165 100
63 1.1 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#

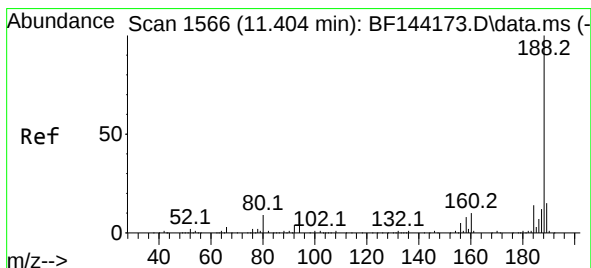
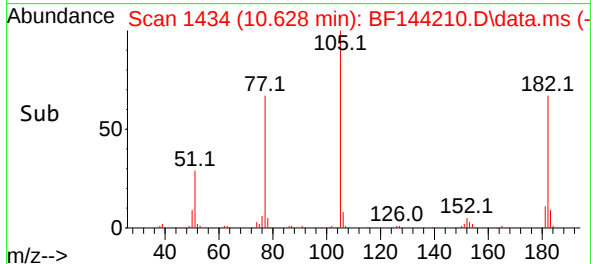
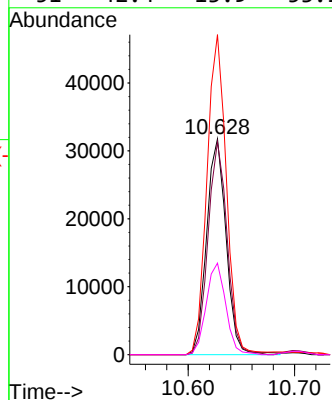
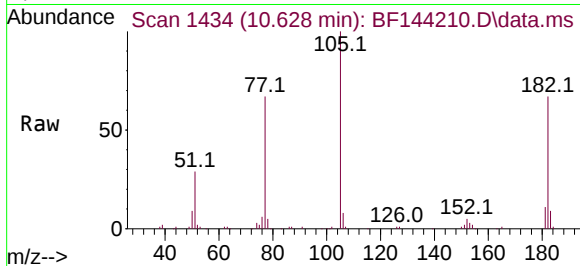




#63
Azobenzene
Concen: 4.033 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

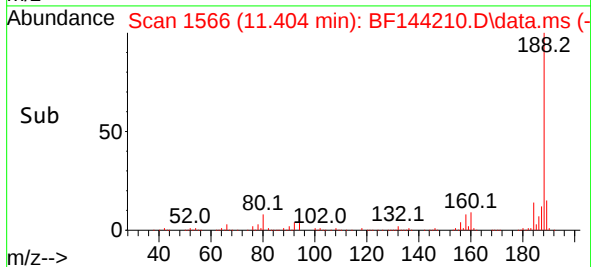
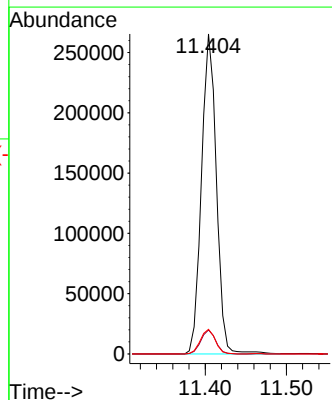
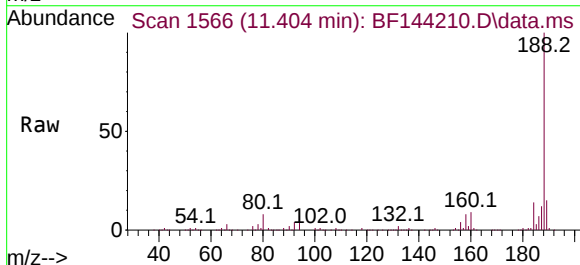
Instrument :
BNA_F
ClientSampleId :
VNJ-245

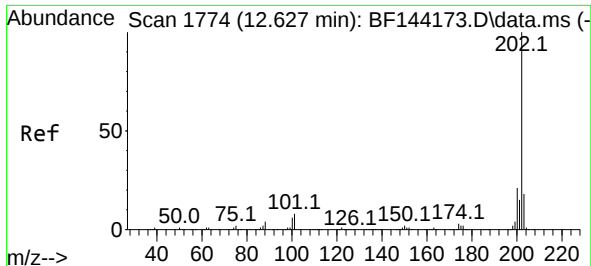
Tgt Ion: 77	Resp: 40386
Ion Ratio	Lower Upper
77 100	
182 98.7	8.1 48.1#
105 148.3	2.0 42.0#
51 42.4	13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Tgt Ion: 188	Resp: 338549
Ion Ratio	Lower Upper
188 100	
94 7.5	6.2 9.2
80 7.7	6.9 10.3

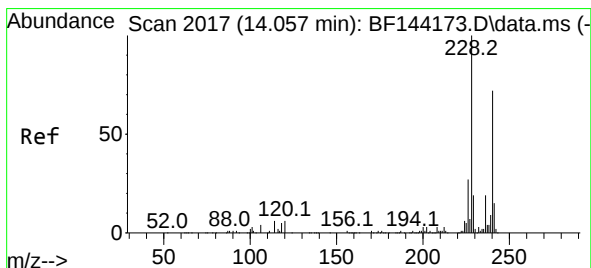
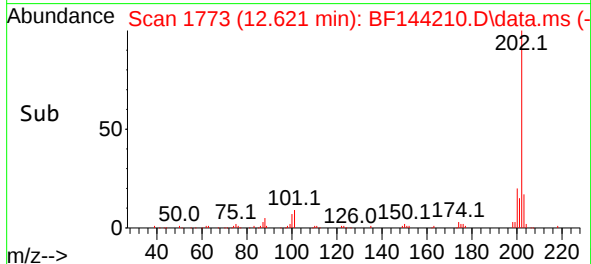
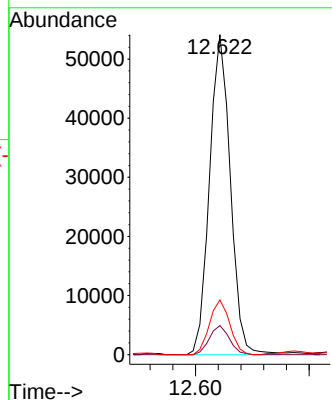
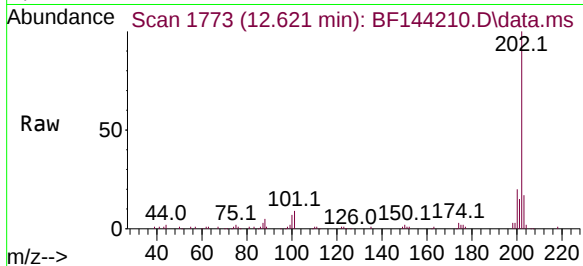




#75
Fluoranthene
Concen: 3.959 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

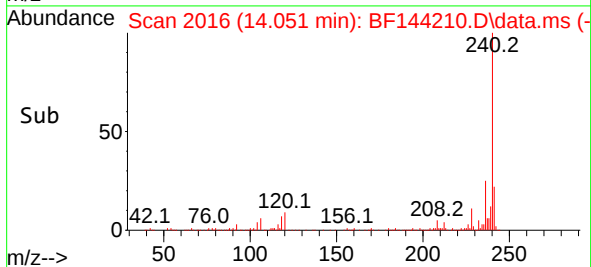
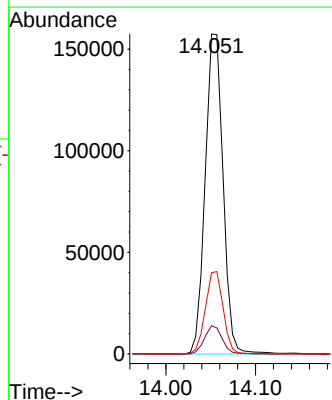
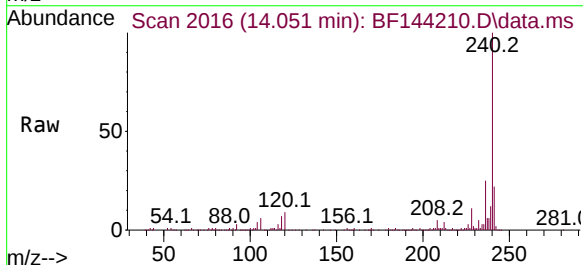
Instrument :
BNA_F
ClientSampleId :
VNJ-245

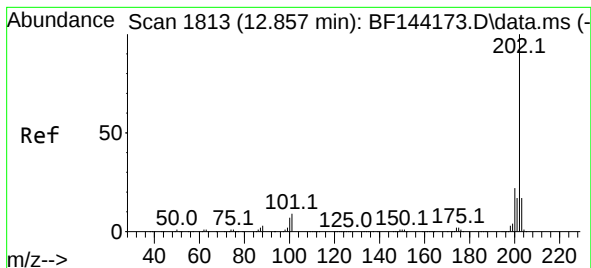
Tgt Ion:	202	Resp:	68931
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	27.9
203	17.1	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Tgt Ion:	240	Resp:	218673
Ion Ratio	Lower	Upper	
240	100		
120	8.8	6.6	10.0
236	25.4	21.4	32.2





#78

Pyrene

Concen: 3.554 ng

RT: 12.851 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

Instrument :

BNA_F

ClientSampleId :

VNJ-245

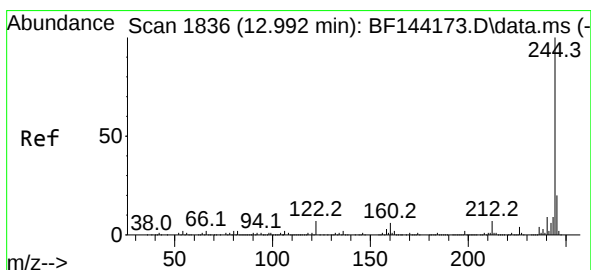
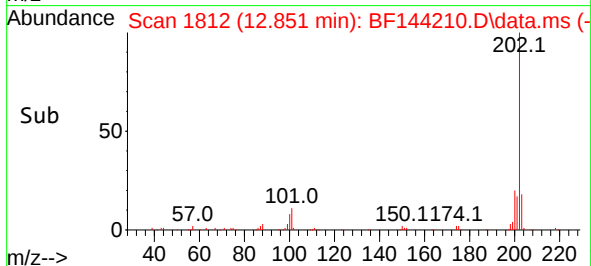
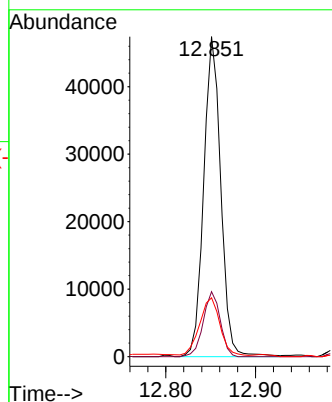
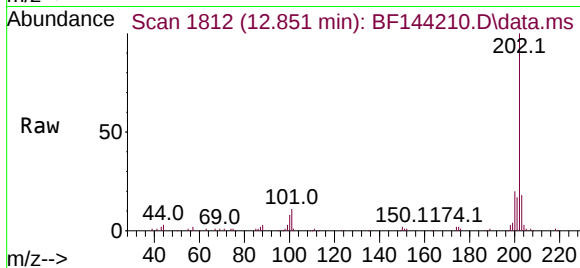
Tgt Ion:202 Resp: 62661

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

203 18.4 13.7 20.5



#79

Terphenyl-d14

Concen: 39.007 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.000 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

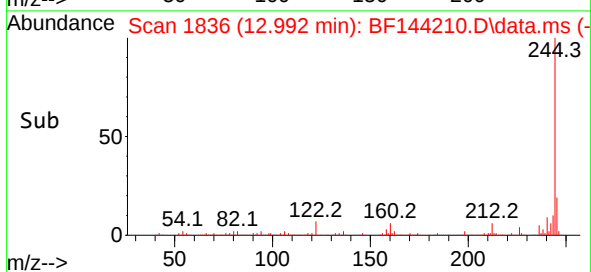
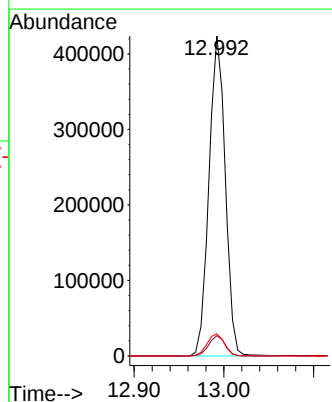
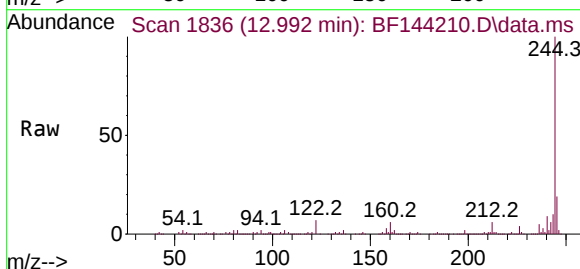
Tgt Ion:244 Resp: 537004

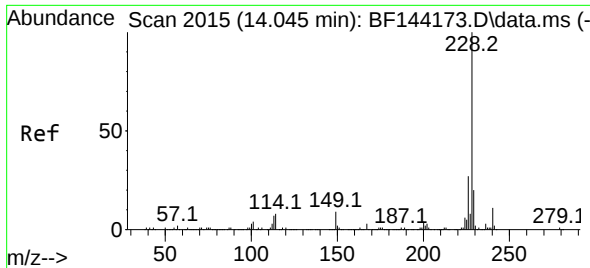
Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

122 7.0 5.6 8.4

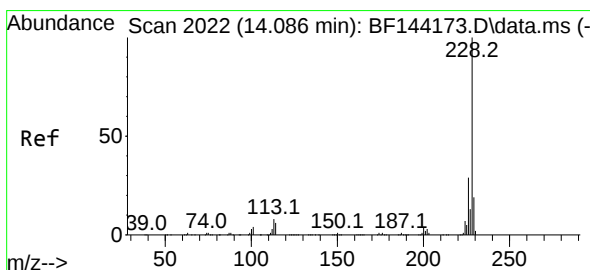
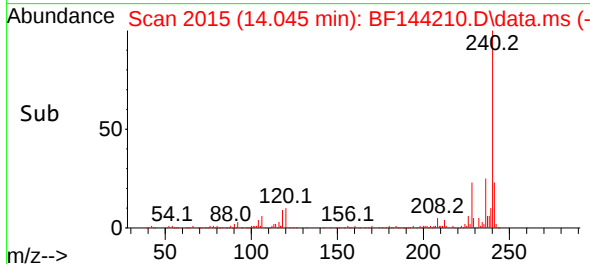
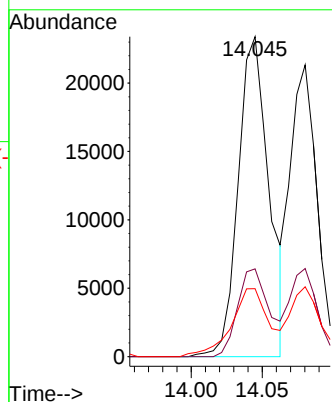
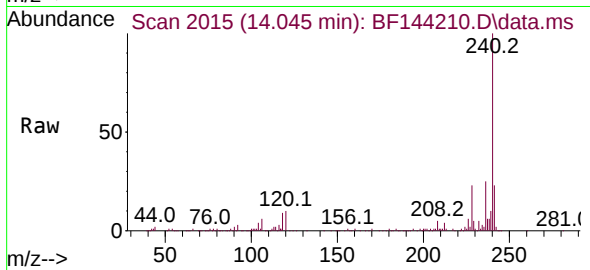




#81
Benzo(a)anthracene
Concen: 2.321 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

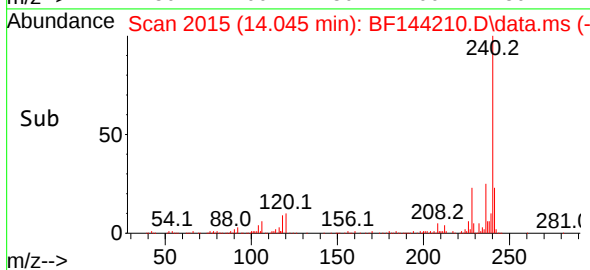
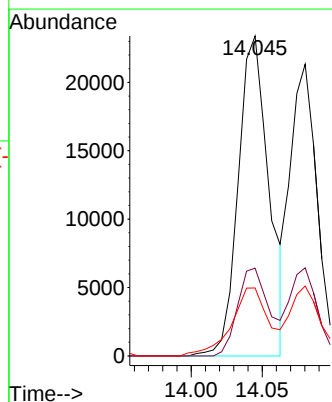
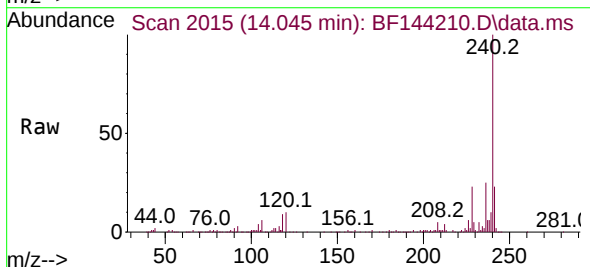
Instrument :
BNA_F
ClientSampleId :
VNJ-245

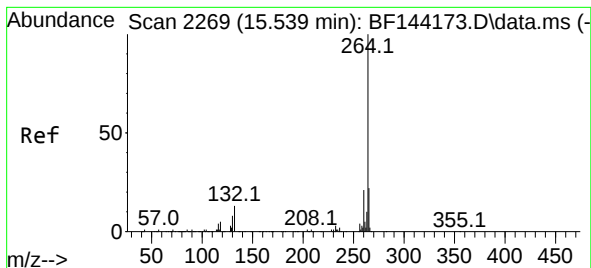
Tgt Ion:228 Resp: 35178
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 21.2 15.8 23.6



#83
Chrysene
Concen: 2.514 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.035 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Tgt Ion:228 Resp: 35178
Ion Ratio Lower Upper
228 100
226 27.4 22.9 34.3
229 21.2 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

Instrument :

BNA_F

ClientSampleId :

VNJ-245

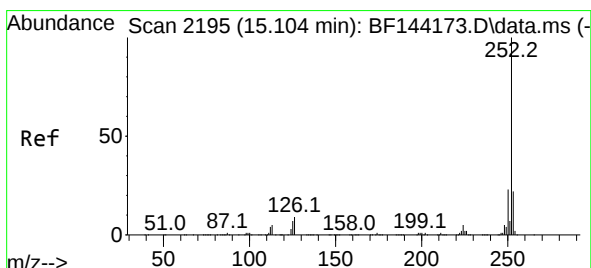
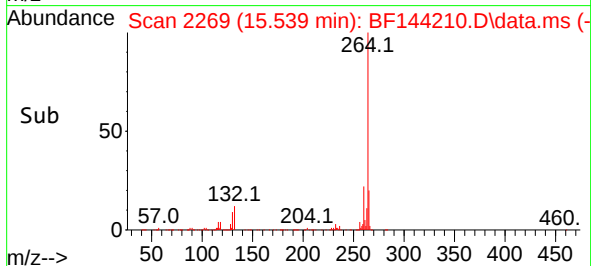
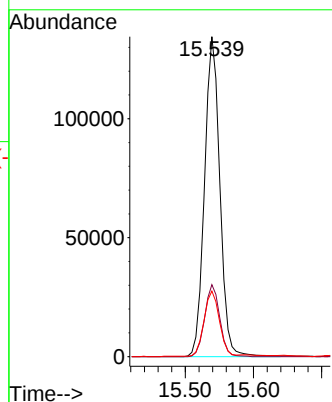
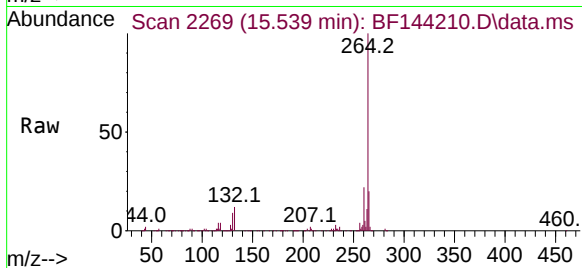
Tgt Ion:264 Resp: 210543

Ion Ratio Lower Upper

264 100

260 22.5 17.1 25.7

265 20.5 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 3.551 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

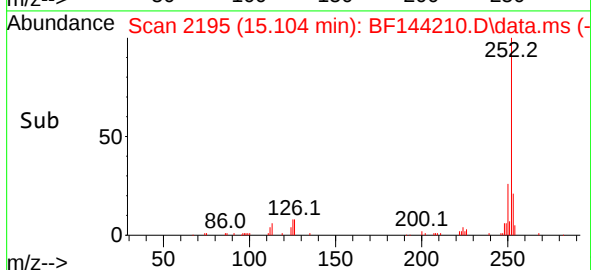
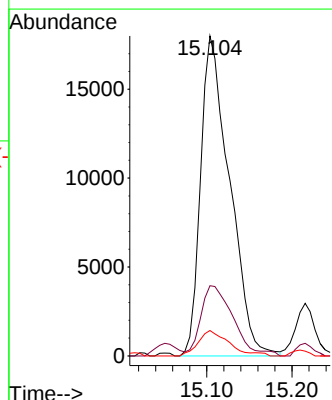
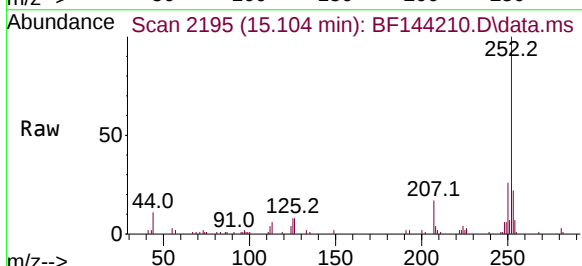
Tgt Ion:252 Resp: 42502

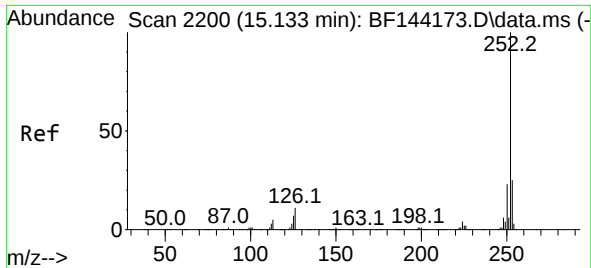
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

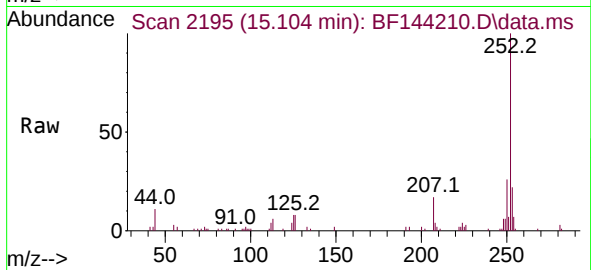
125 7.9 5.3 7.9





#89
Benzo(k)fluoranthene
Concen: 3.794 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Instrument :
BNA_F
ClientSampleId :
VNJ-245



Tgt Ion:252 Resp: 42502
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 7.9 5.4 8.2

