

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144375.D
 Acq On : 26 Nov 2025 22:13
 Operator : RC/JU
 Sample : Q3719-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16B

Quant Time: Nov 27 00:54:19 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)

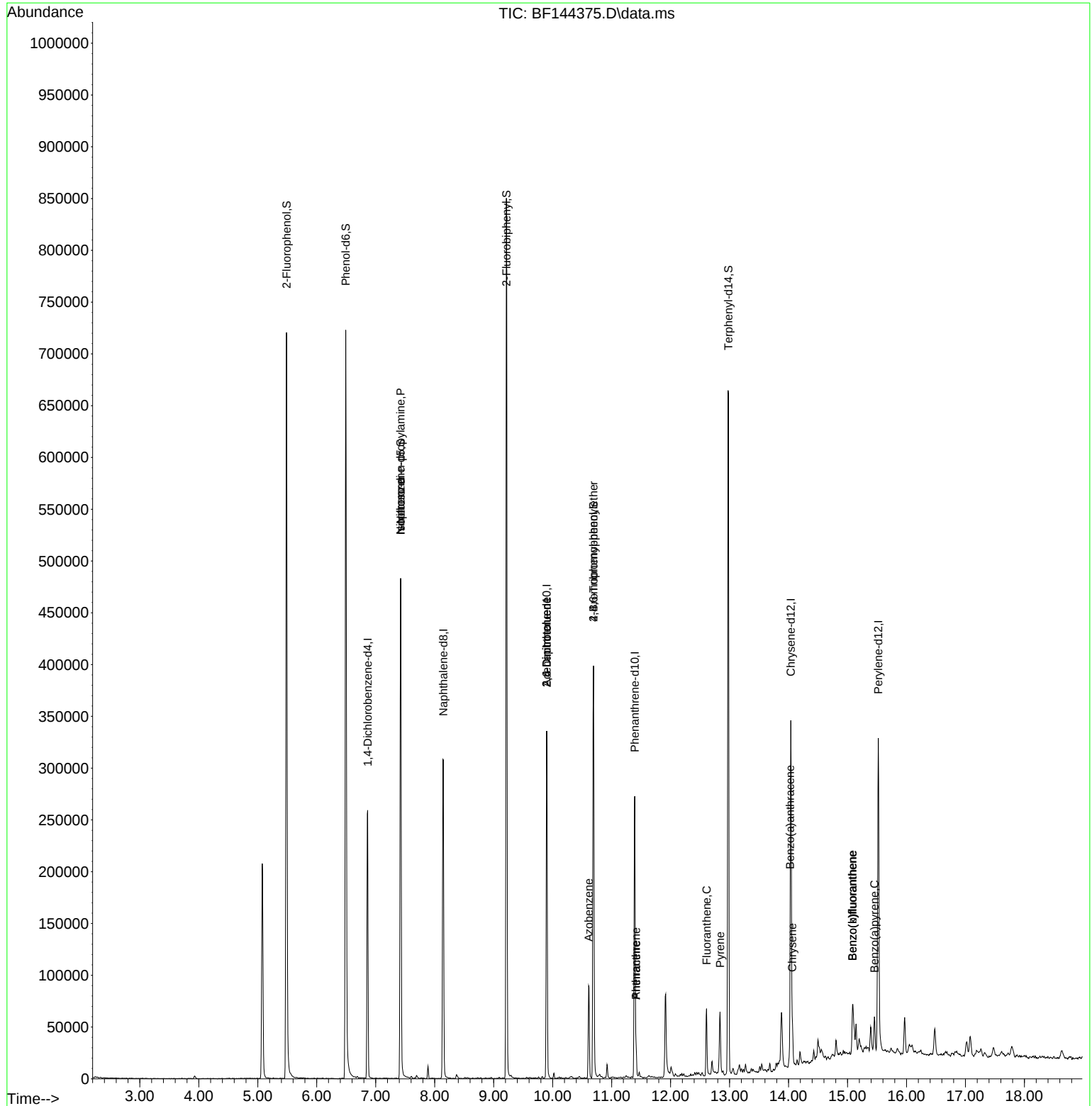
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	57782	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	213615	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	107143	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	152030	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	152288	20.000	ng	-0.01
86) Perylene-d12	15.521	264	178501	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293671	79.533	ng	0.00
7) Phenol-d6	6.492	99	329383	78.728	ng	0.00
23) Nitrobenzene-d5	7.422	82	204817	55.376	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	82998	61.731	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	407915	56.230	ng	-0.01
79) Terphenyl-d14	12.980	244	361308	37.685	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	28644	10.400	ng	# 76
25) Isophorone	7.422	82	204815	29.276	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	13455	9.364	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	13455	6.995	ng	# 27
63) Azobenzene	10.610	77	23355	3.835	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5056	2.605	ng	# 1
71) Phenanthrene	11.416	178	16462	2.175	ng	97
72) Anthracene	11.416	178	16462	2.139	ng	97
75) Fluoranthene	12.610	202	39054	4.995	ng	98
78) Pyrene	12.839	202	37387	3.045	ng	96
81) Benzo(a)anthracene	14.027	228	24831	2.353	ng	97
83) Chrysene	14.063	228	23762	2.439	ng	96
88) Benzo(b)fluoranthene	15.086	252	42381	4.176	ng	# 96
89) Benzo(k)fluoranthene	15.086	252	42381	4.462	ng	# 97
90) Benzo(a)pyrene	15.457	252	20813	2.223	ng	# 89

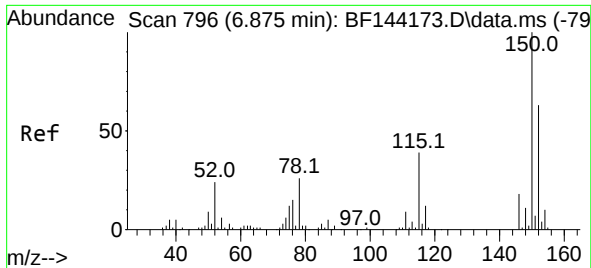
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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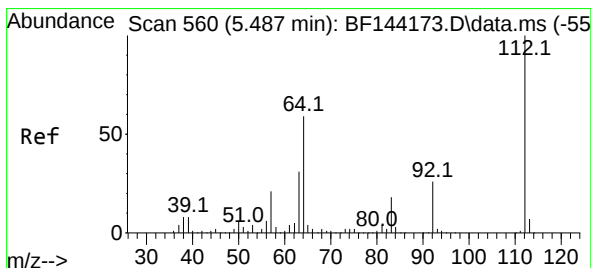
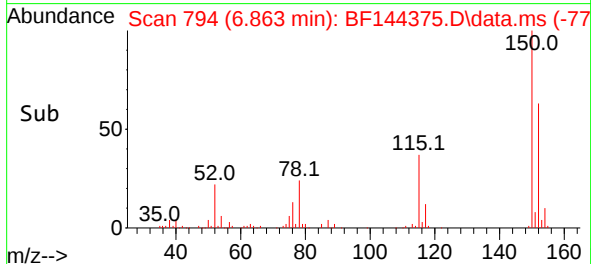
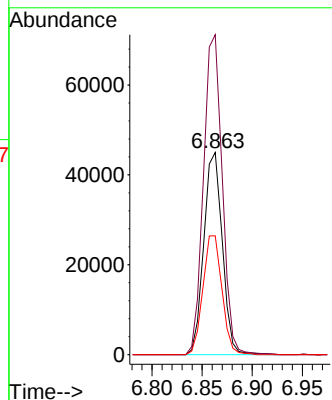
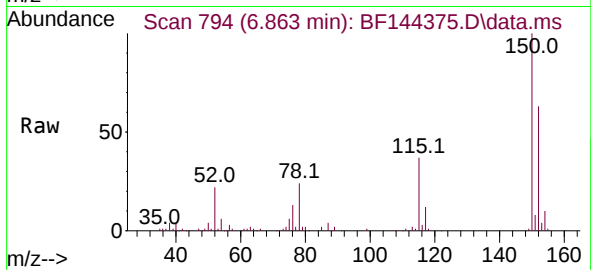




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 796
 Delta R.T. -0.012 min
 Lab File: BF144375.D
 Acq: 26 Nov 2025 22:13

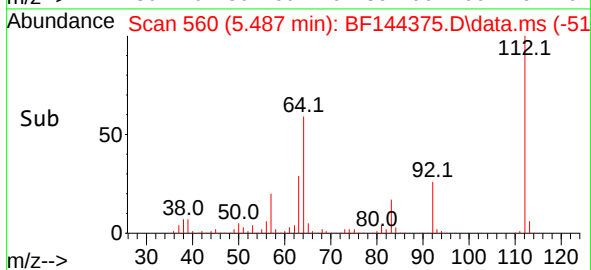
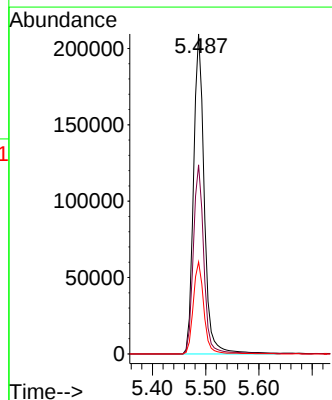
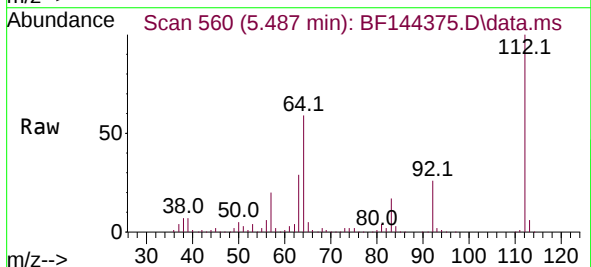
Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16B

Tgt Ion:152 Resp: 57782
 Ion Ratio Lower Upper
 152 100
 150 158.3 127.4 191.0
 115 58.8 49.5 74.3



#5
 2-Fluorophenol
 Concen: 79.533 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.006 min
 Lab File: BF144375.D
 Acq: 26 Nov 2025 22:13

Tgt Ion:112 Resp: 293671
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.2 70.8
 63 28.7 24.4 36.6

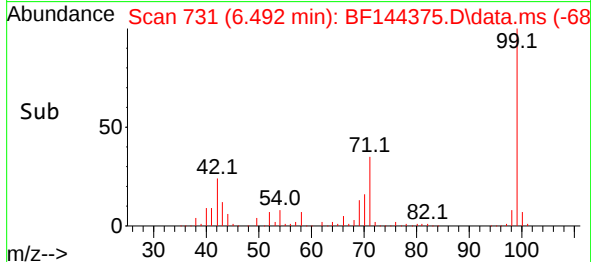
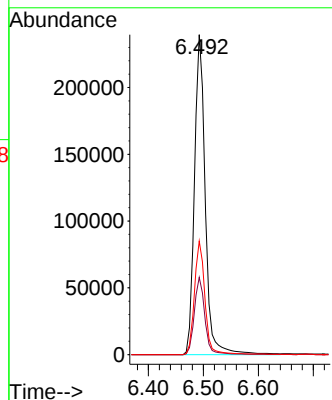
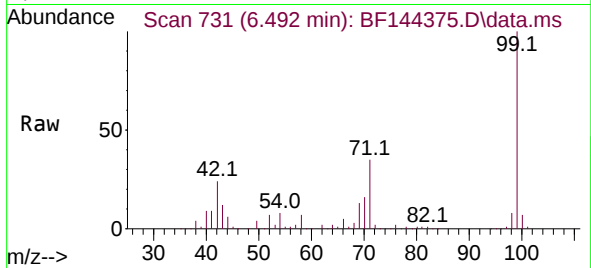




#7
Phenol-d6
Concen: 78.728 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

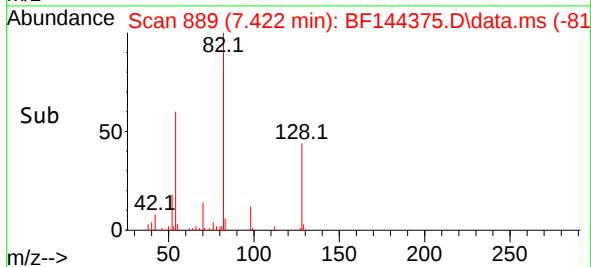
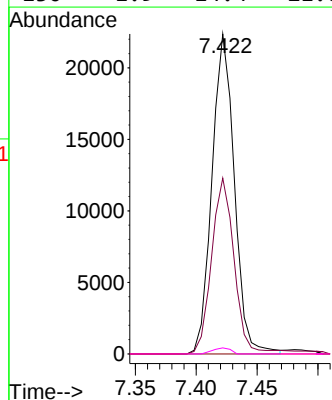
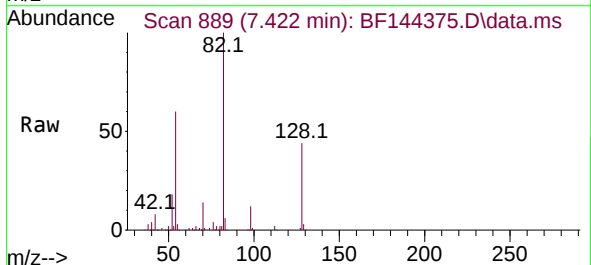
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

Tgt Ion: 99 Resp: 329383
Ion Ratio Lower Upper
99 100
42 24.1 20.9 31.3
71 35.5 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.400 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Tgt Ion: 70 Resp: 28644
Ion Ratio Lower Upper
70 100
42 54.9 58.3 87.5#
101 0.0 7.0 10.6#
130 1.9 14.4 21.6#

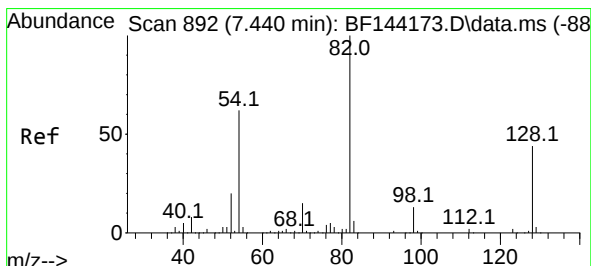
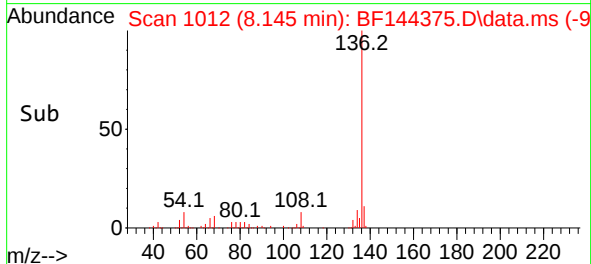
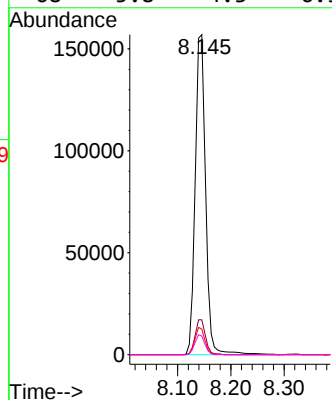
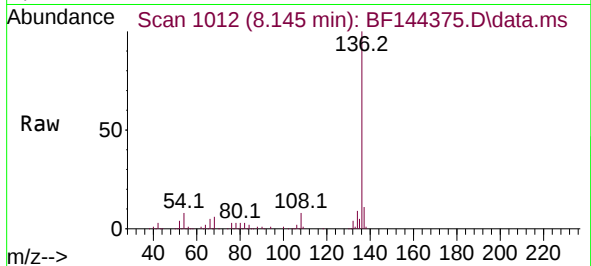




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

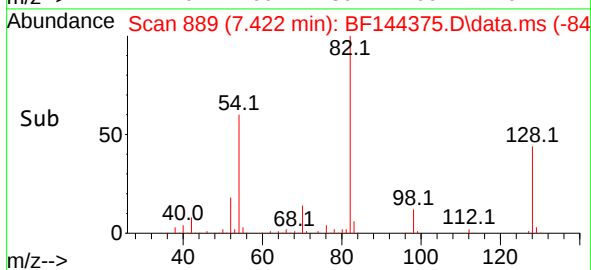
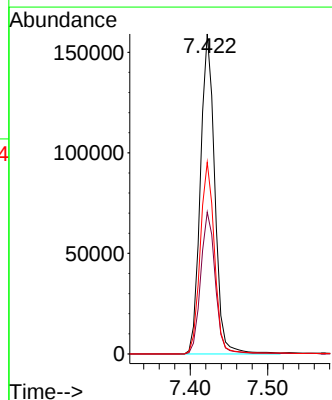
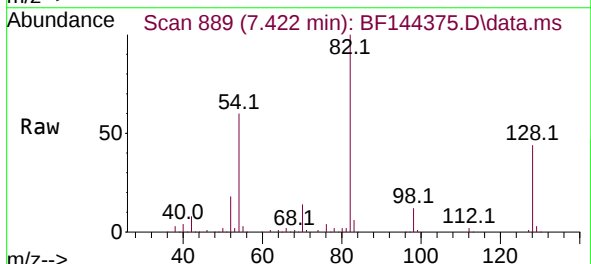
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

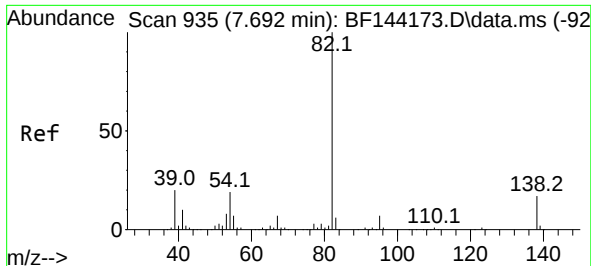
Tgt Ion:	136	Resp:	213615
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.0	7.0	10.6
68	5.8	4.3	6.5



#23
Nitrobenzene-d5
Concen: 55.376 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Tgt Ion:	82	Resp:	204817
Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.7	52.1
54	59.9	49.5	74.3

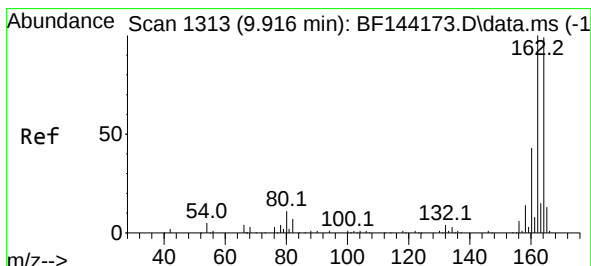
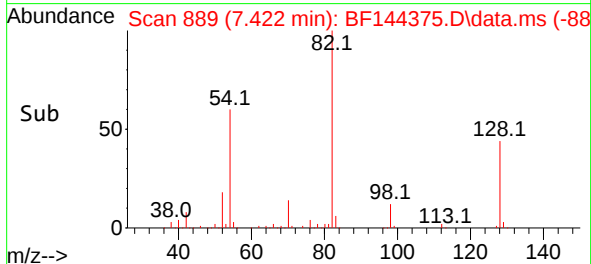
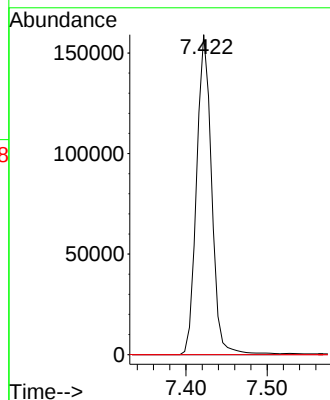
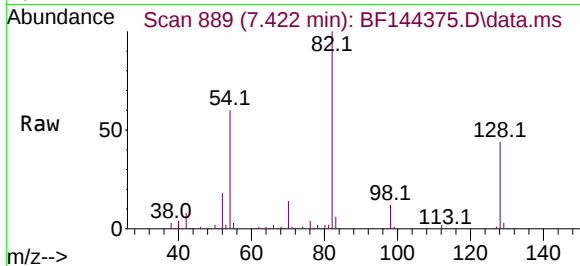




#25
Isophorone
Concen: 29.276 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

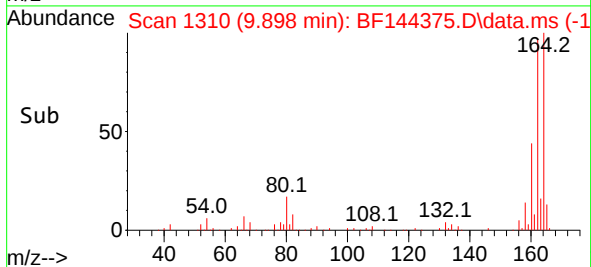
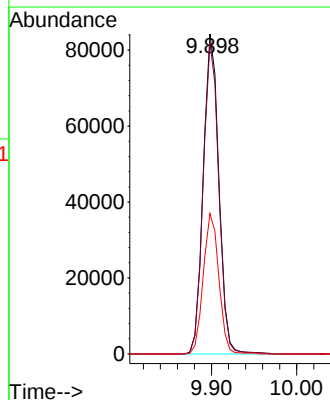
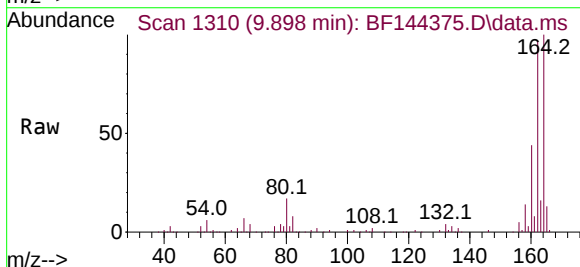
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

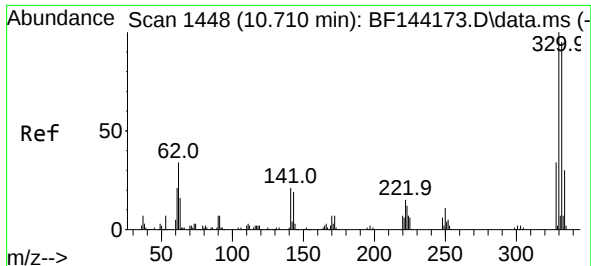
Tgt Ion: 82 Resp: 204815
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

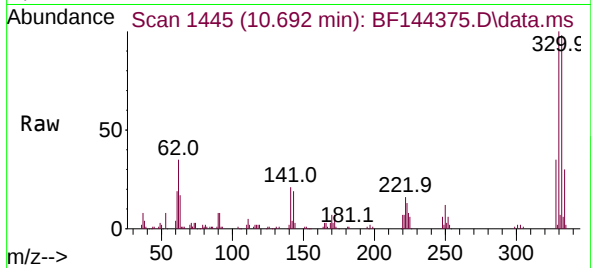
Tgt Ion: 164 Resp: 107143
Ion Ratio Lower Upper
164 100
162 97.2 81.1 121.7
160 43.9 34.5 51.7



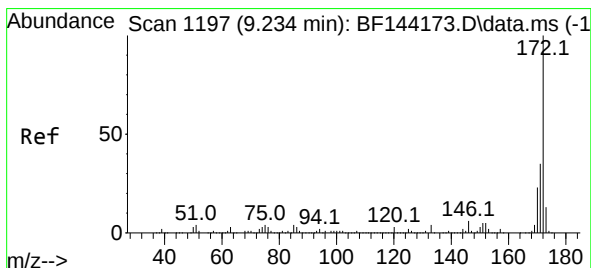
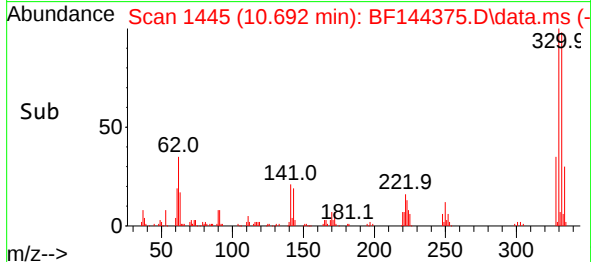
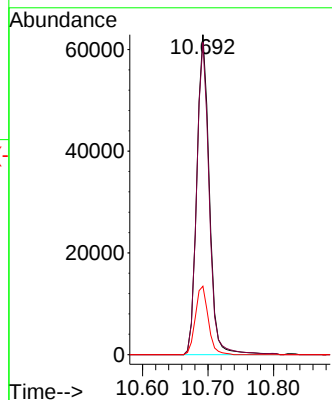


#42
 2,4,6-Tribromophenol
 Concen: 61.731 ng
 RT: 10.692 min Scan# 1445
 Delta R.T. -0.012 min
 Lab File: BF144375.D
 Acq: 26 Nov 2025 22:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16B

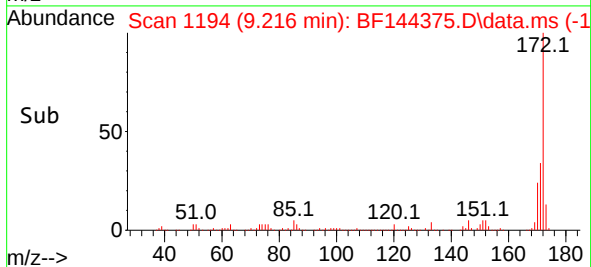
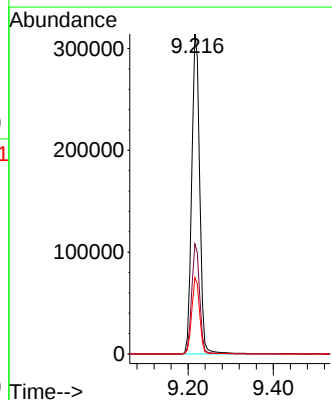
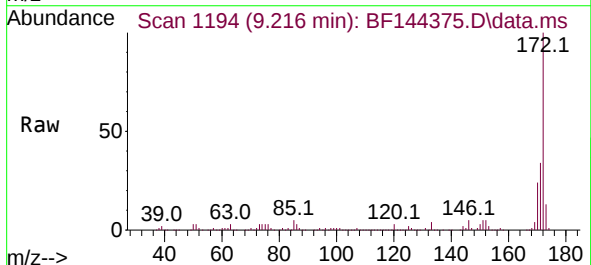


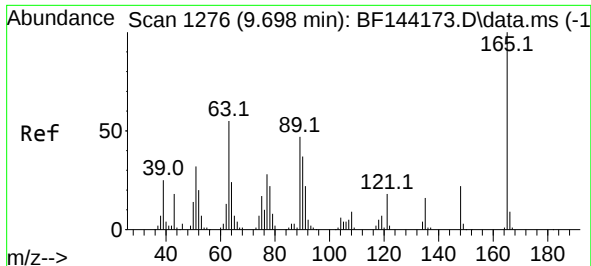
Tgt Ion:330 Resp: 82998
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.7 115.1
 141 22.0 17.8 26.8



#45
 2-Fluorobiphenyl
 Concen: 56.230 ng
 RT: 9.216 min Scan# 1194
 Delta R.T. -0.012 min
 Lab File: BF144375.D
 Acq: 26 Nov 2025 22:13

Tgt Ion:172 Resp: 407915
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.1 42.1
 170 23.8 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.364 ng

RT: 9.898 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

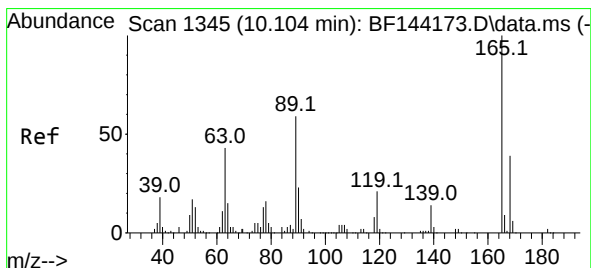
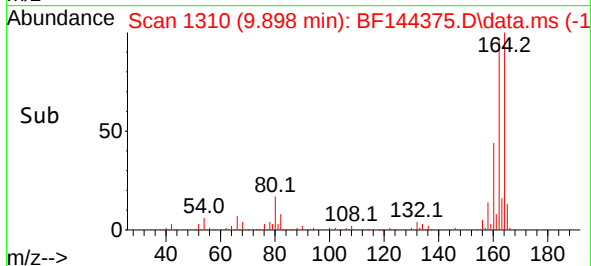
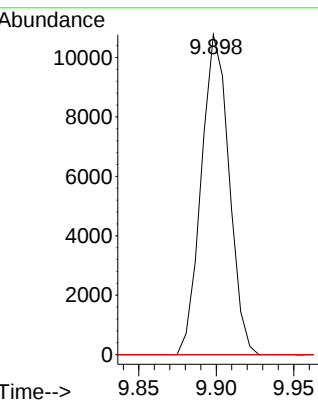
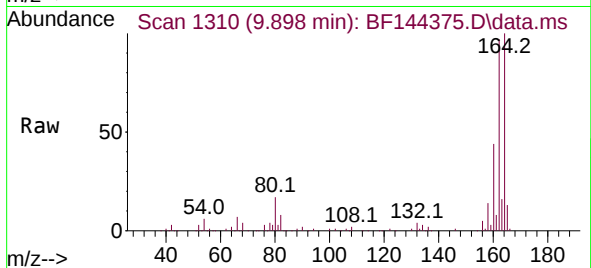
Tgt Ion:165 Resp: 13455

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#



#57

2,4-Dinitrotoluene

Concen: 6.995 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.200 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Tgt Ion:165 Resp: 13455

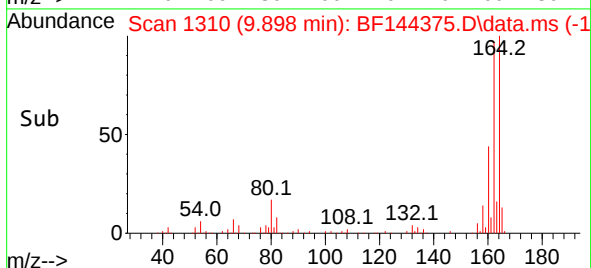
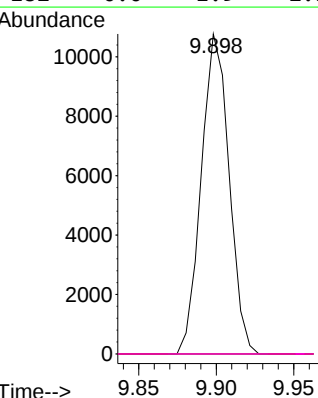
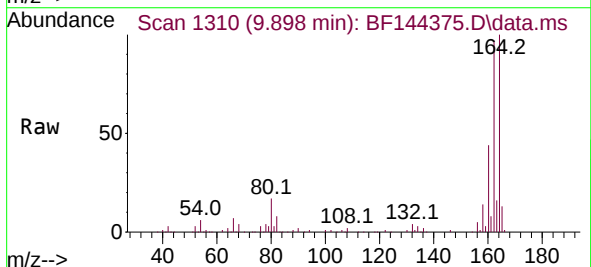
Ion Ratio Lower Upper

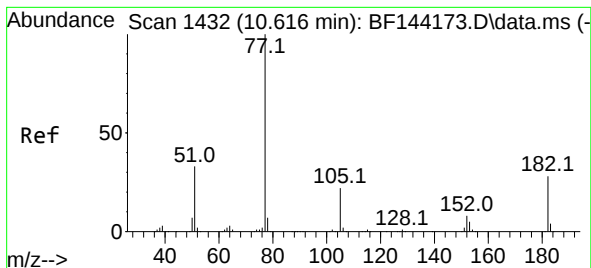
165 100

63 0.0 35.5 53.3#

89 0.0 47.4 71.2#

182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 3.835 ng

RT: 10.610 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

Tgt Ion: 77 Resp: 23355

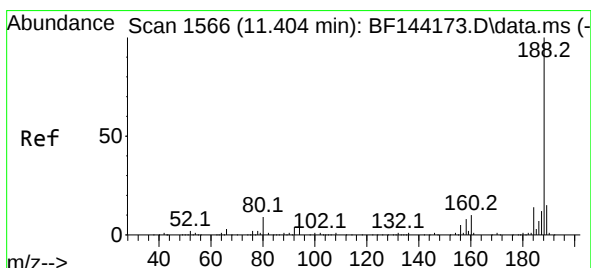
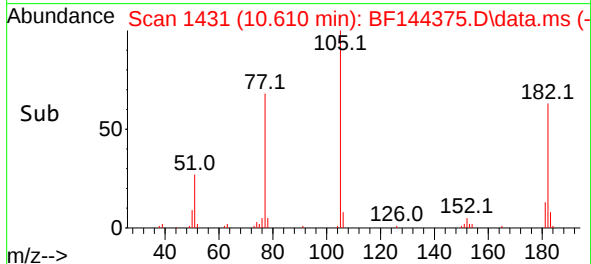
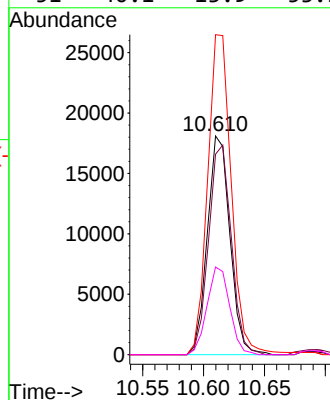
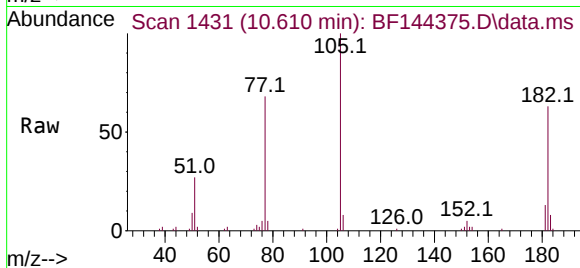
Ion Ratio Lower Upper

77 100

182 91.7 8.1 48.1#

105 146.4 2.0 42.0#

51 40.1 13.9 53.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF144375.D

Acq: 26 Nov 2025 22:13

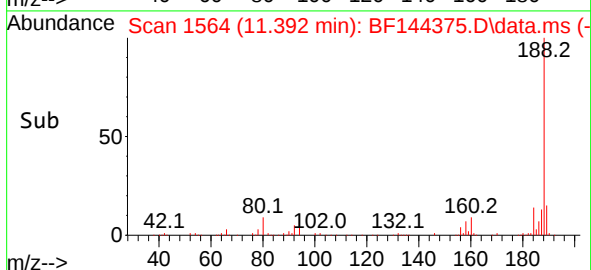
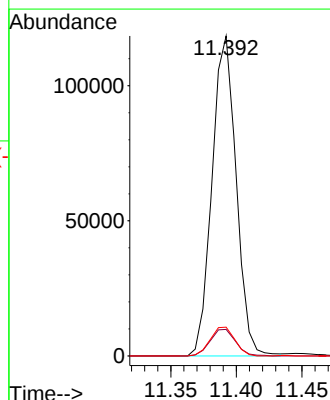
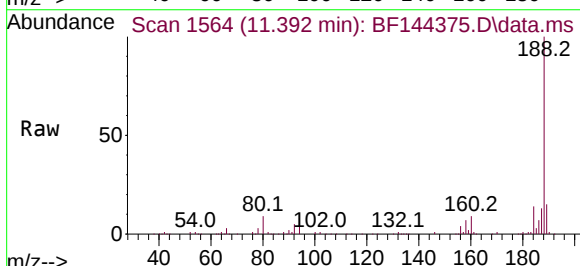
Tgt Ion: 188 Resp: 152030

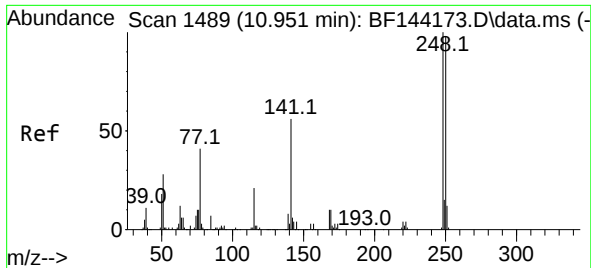
Ion Ratio Lower Upper

188 100

94 8.3 6.2 9.2

80 9.0 6.9 10.3

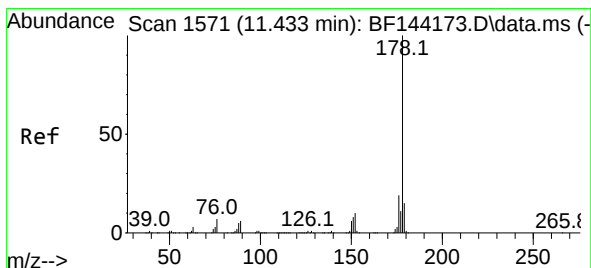
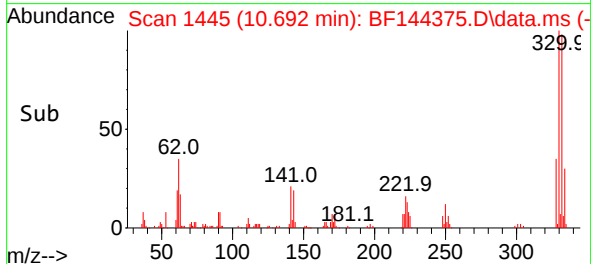
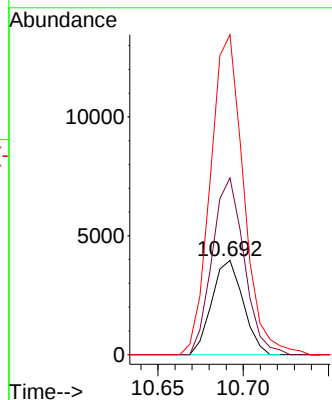
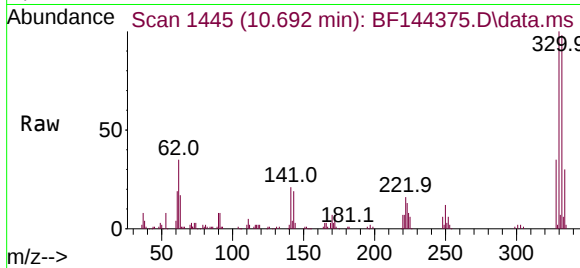




#67
4-Bromophenyl-phenylether
Concen: 2.605 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

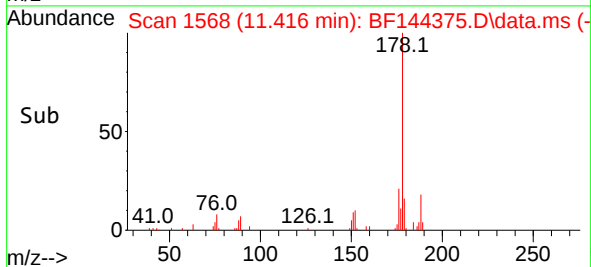
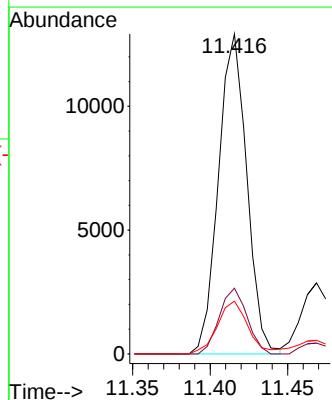
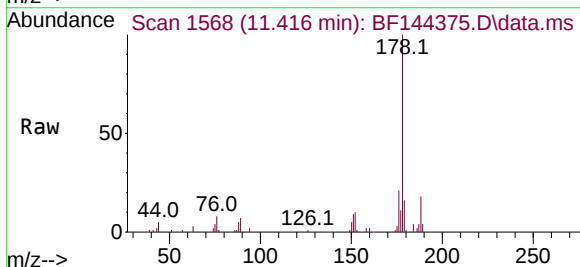
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

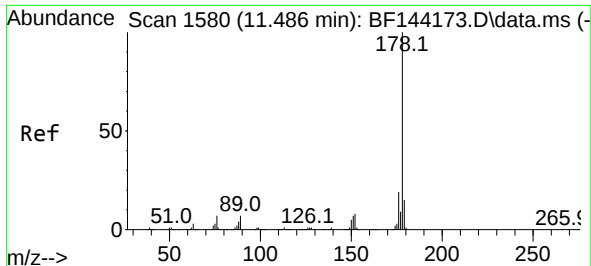
Tgt Ion:248 Resp: 5056
Ion Ratio Lower Upper
248 100
250 187.7 78.4 117.6#
141 339.8 45.1 67.7#



#71
Phenanthrene
Concen: 2.175 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Tgt Ion:178 Resp: 16462
Ion Ratio Lower Upper
178 100
176 20.5 15.5 23.3
179 16.5 12.2 18.4

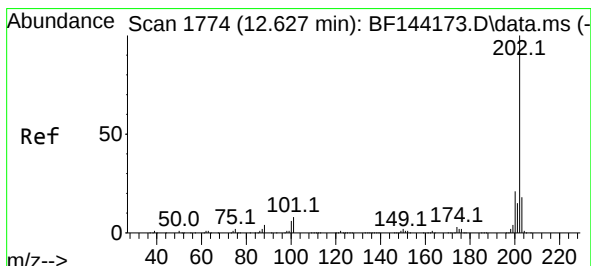
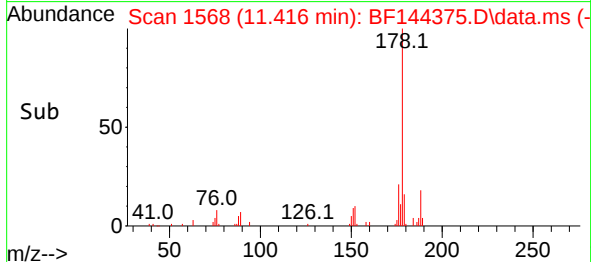
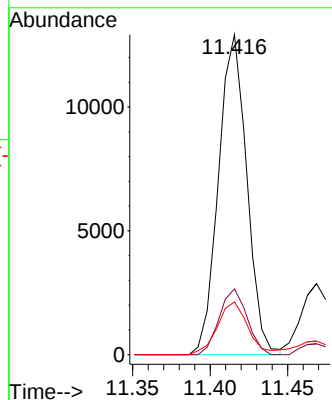
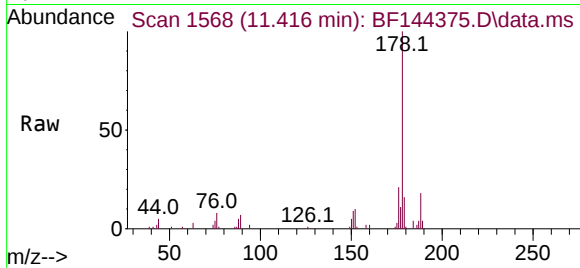




#72
 Anthracene
 Concen: 2.139 ng
 RT: 11.416 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF144375.D
 Acq: 26 Nov 2025 22:13

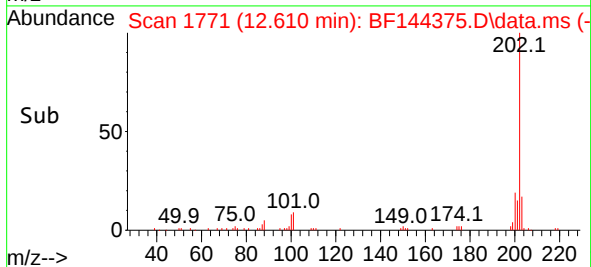
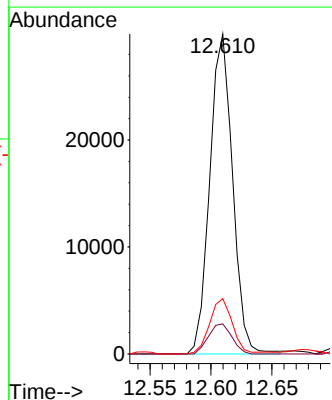
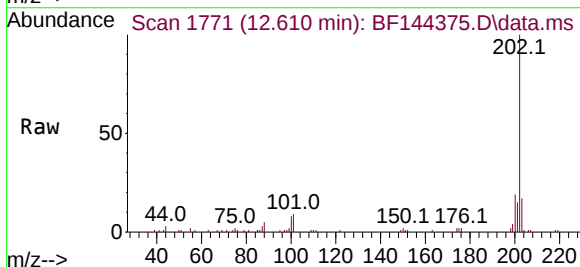
Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16B

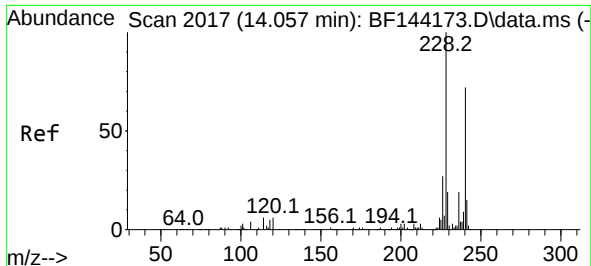
Tgt Ion:178	Resp:	16462
Ion Ratio	Lower	Upper
178	100	
176	20.5	15.3 22.9
179	16.5	12.0 18.0



#75
 Fluoranthene
 Concen: 4.995 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144375.D
 Acq: 26 Nov 2025 22:13

Tgt Ion:202	Resp:	39054
Ion Ratio	Lower	Upper
202	100	
101	9.4	0.0 27.9
203	17.3	0.0 37.5

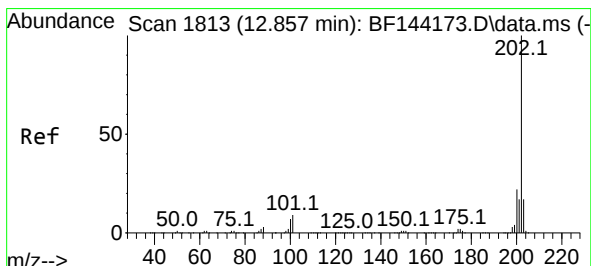
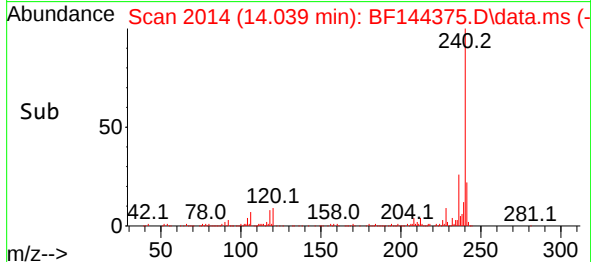
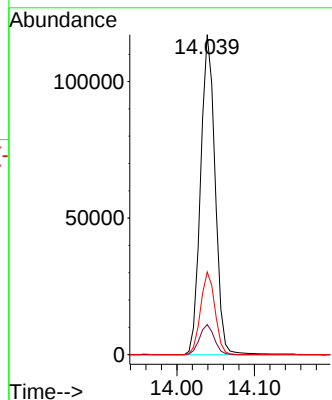
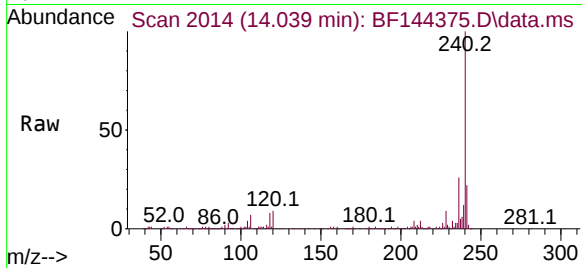




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

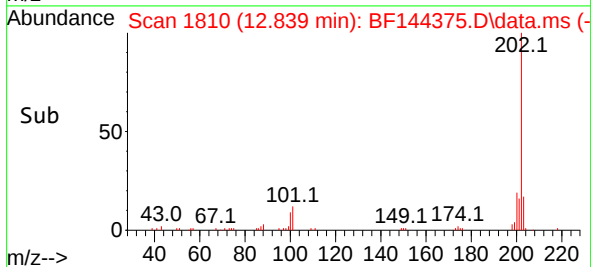
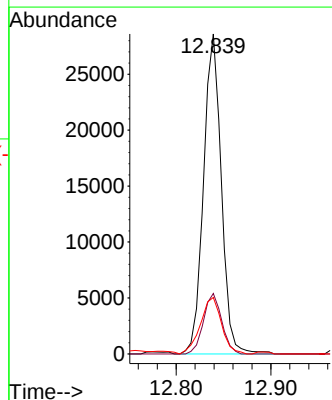
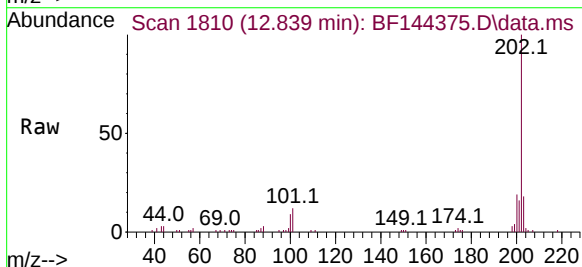
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

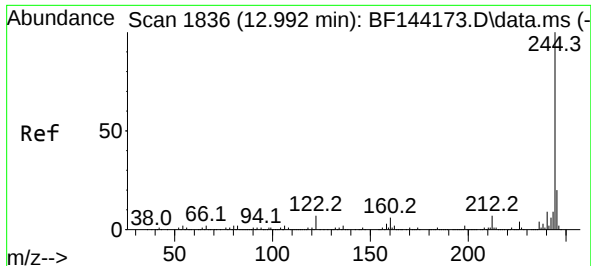
Tgt Ion:240 Resp: 152288
Ion Ratio Lower Upper
240 100
120 9.4 6.6 10.0
236 25.8 21.4 32.2



#78
Pyrene
Concen: 3.045 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Tgt Ion:202 Resp: 37387
Ion Ratio Lower Upper
202 100
200 18.9 17.2 25.8
203 17.6 13.7 20.5

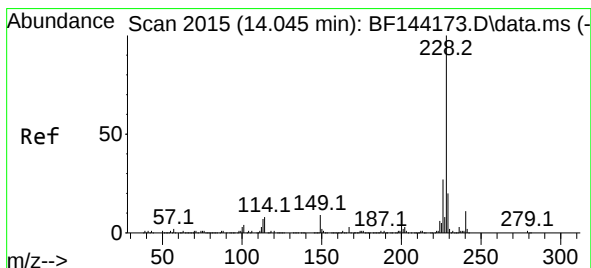
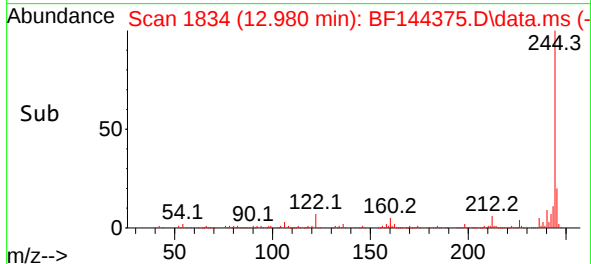
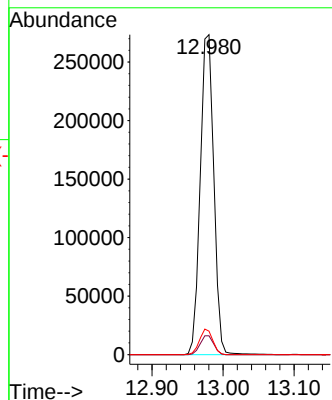
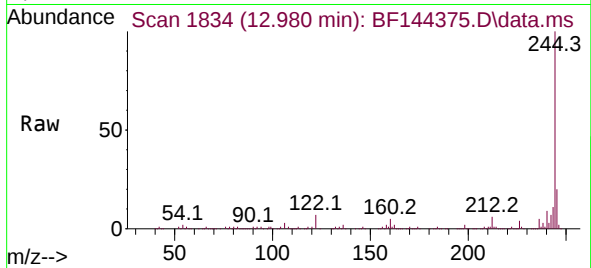




#79
 Terphenyl-d14
 Concen: 37.685 ng
 RT: 12.980 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF144375.D
 Acq: 26 Nov 2025 22:13

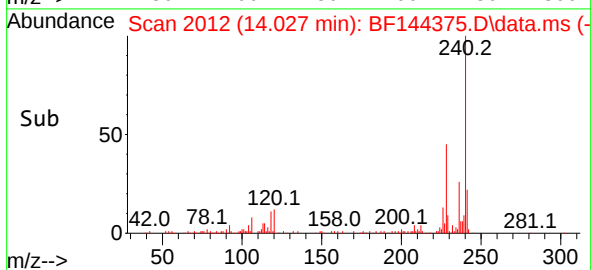
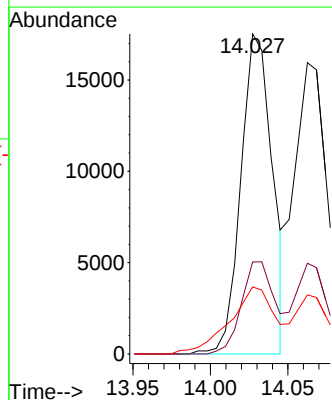
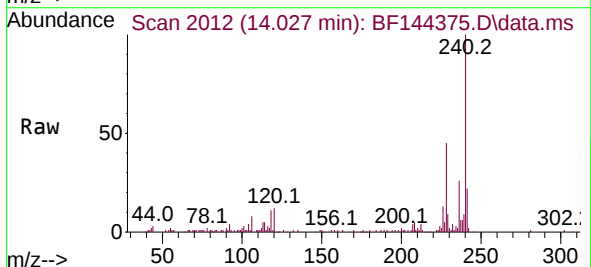
Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16B

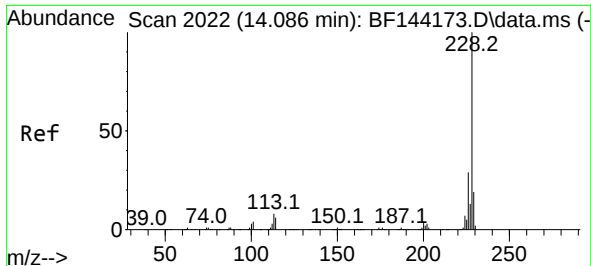
Tgt Ion:244 Resp: 361308
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.3 7.9
 122 7.3 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 2.353 ng
 RT: 14.027 min Scan# 2012
 Delta R.T. -0.018 min
 Lab File: BF144375.D
 Acq: 26 Nov 2025 22:13

Tgt Ion:228 Resp: 24831
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.8 32.8
 229 20.9 15.8 23.6

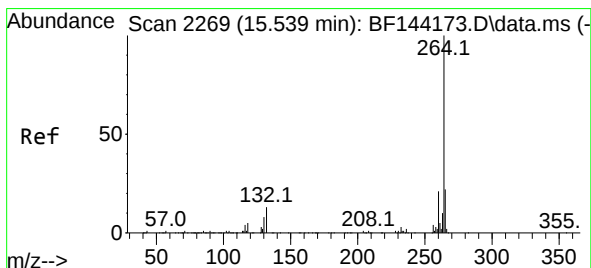
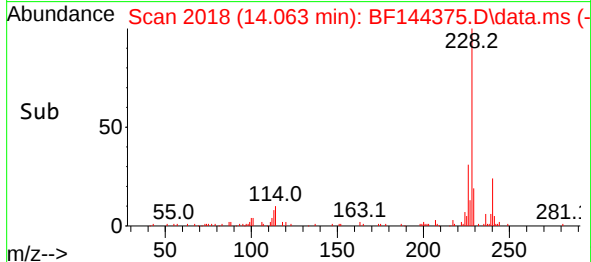
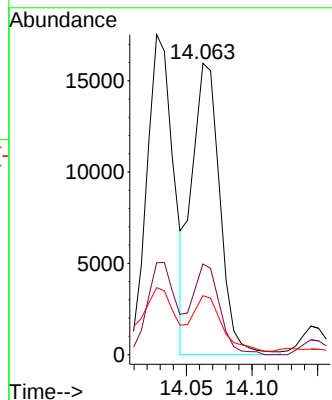
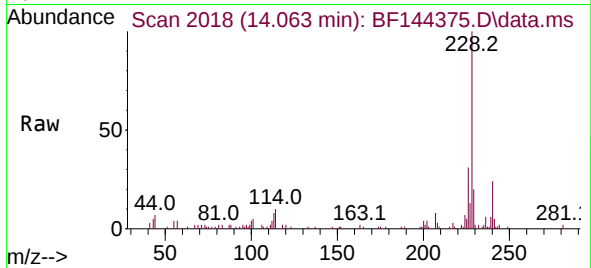




#83
Chrysene
Concen: 2.439 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

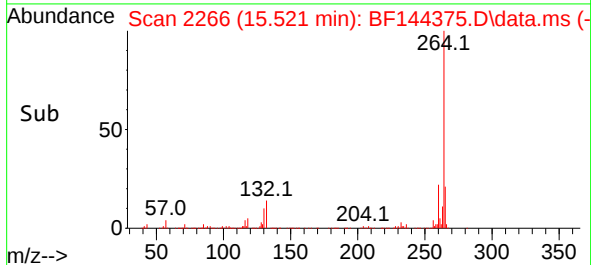
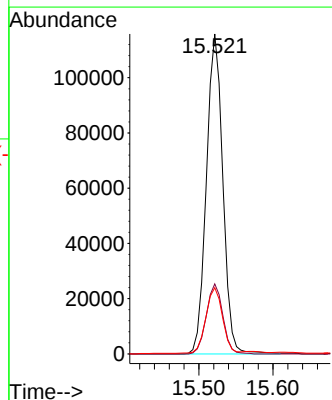
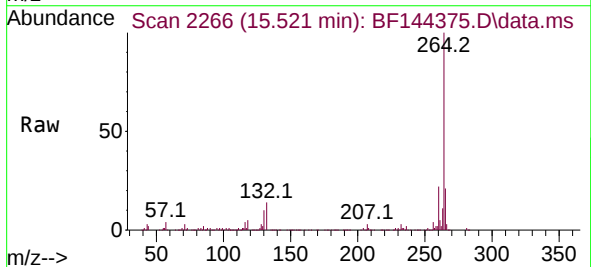
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

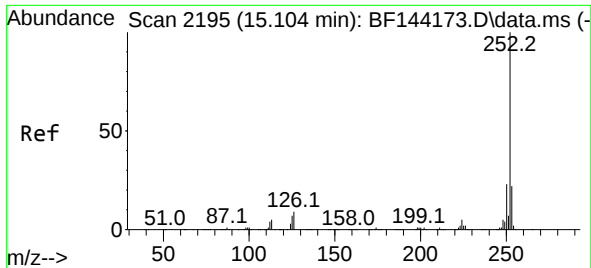
Tgt Ion:228 Resp: 23762
Ion Ratio Lower Upper
228 100
226 31.1 22.9 34.3
229 20.2 15.0 22.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Tgt Ion:264 Resp: 178501
Ion Ratio Lower Upper
264 100
260 21.9 17.1 25.7
265 20.7 17.4 26.0

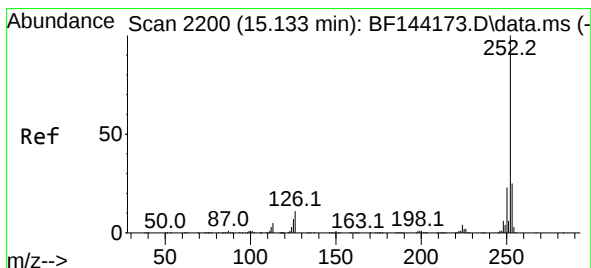
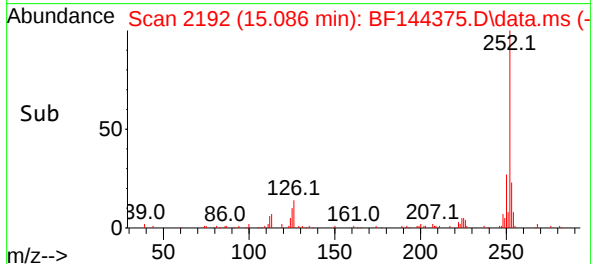
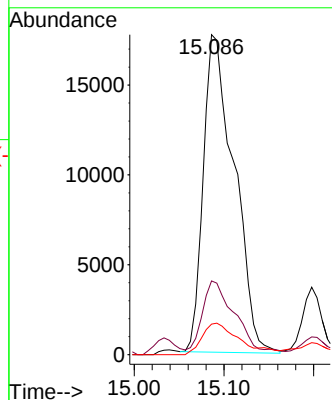
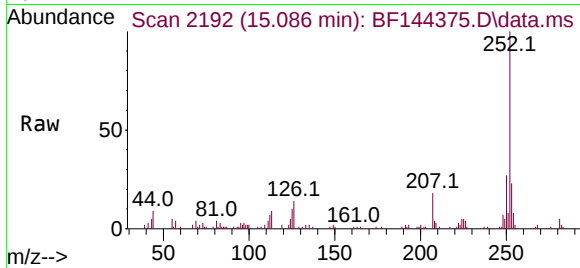




#88
Benzo(b)fluoranthene
Concen: 4.176 ng
RT: 15.086 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

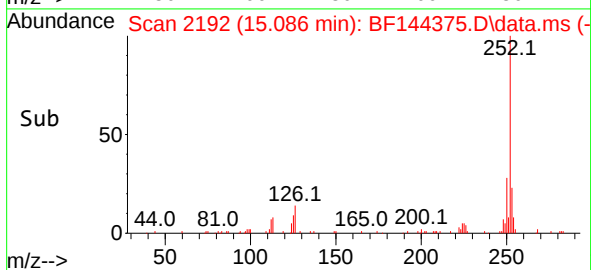
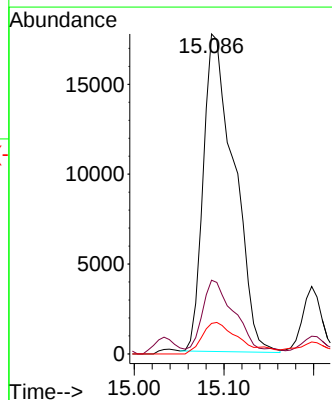
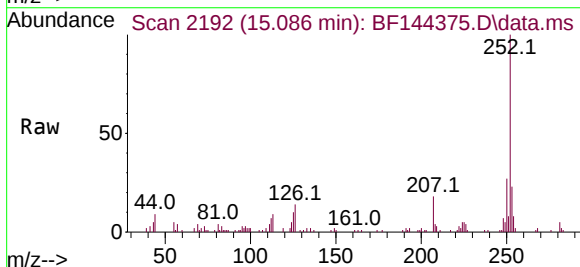
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

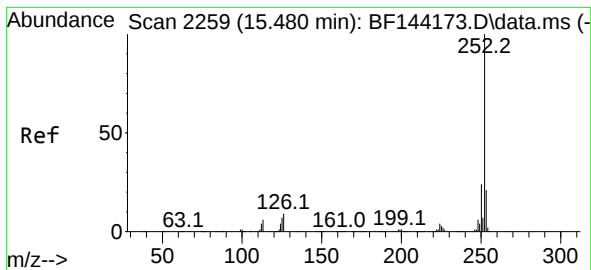
Tgt Ion:252 Resp: 42381
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.5 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 4.462 ng
RT: 15.086 min Scan# 2192
Delta R.T. -0.041 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Tgt Ion:252 Resp: 42381
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 9.5 5.4 8.2#





#90

Benzo(a)pyrene

Concen: 2.223 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144375.D

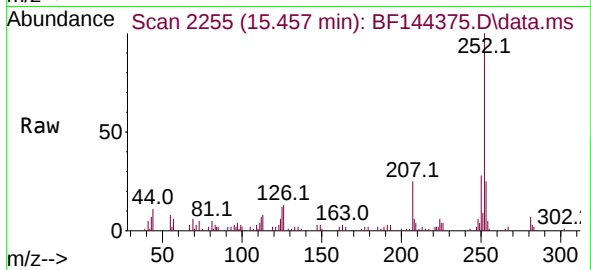
Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B



Tgt Ion:252 Resp: 20813

Ion Ratio Lower Upper

252 100

253 25.1 16.7 25.1

125 12.5 5.7 8.5#

