

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144367.D
 Acq On : 26 Nov 2025 18:12
 Operator : RC/JU
 Sample : Q3719-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-12A

Quant Time: Nov 27 00:50:34 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)

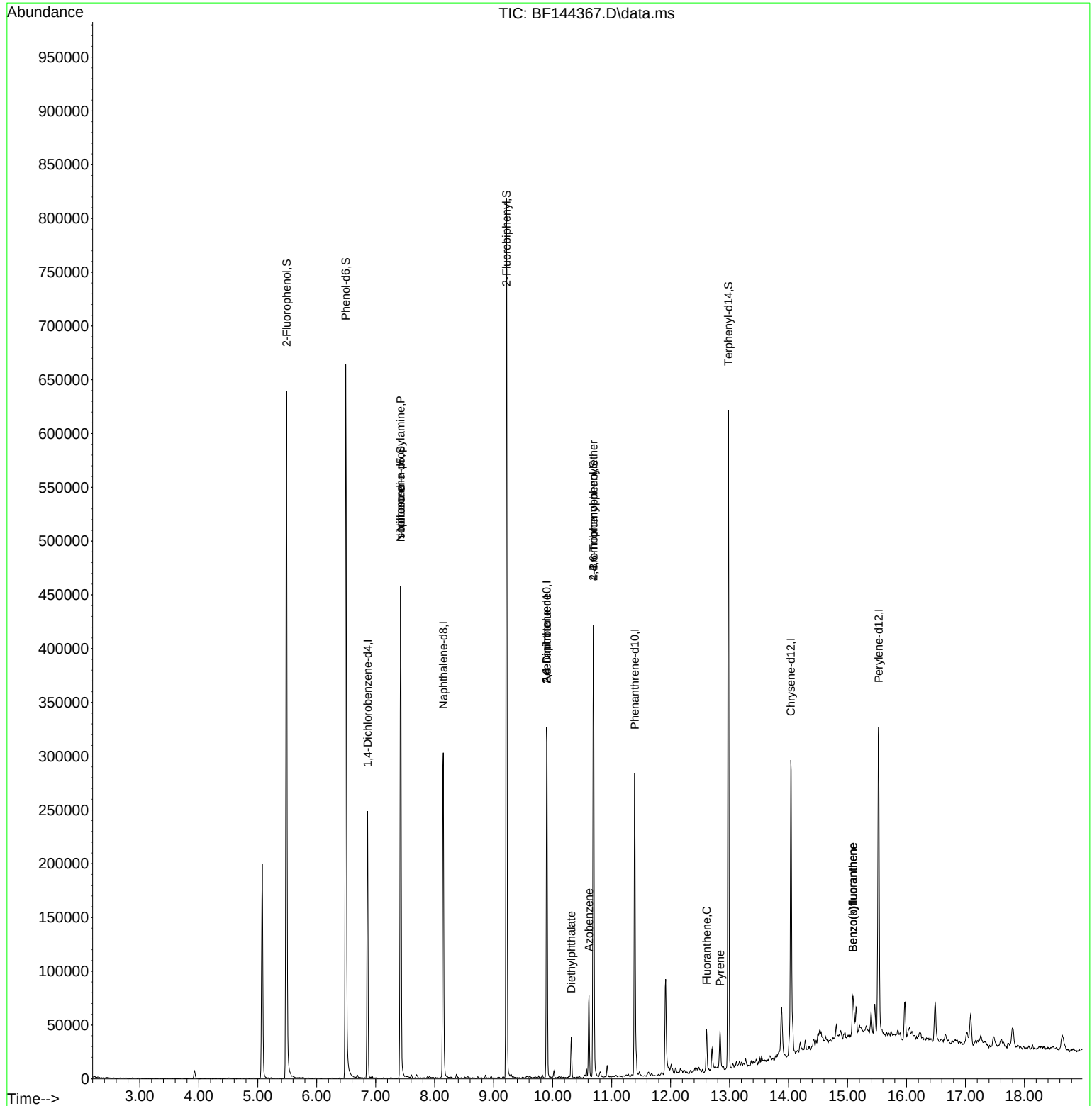
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55725	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	204609	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	104861	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	152442	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	133155	20.000	ng	#-0.01
86) Perylene-d12	15.527	264	168994	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	266676	74.888	ng	0.00
7) Phenol-d6	6.493	99	310800	77.028	ng	0.00
23) Nitrobenzene-d5	7.422	82	196890	55.576	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	85329	64.845	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	391913	55.200	ng	-0.01
79) Terphenyl-d14	12.980	244	323277	38.564	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	27638	10.405	ng	# 74
25) Isophorone	7.422	82	196888	29.382	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	13813	9.822	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	13813	7.337	ng	# 27
60) Diethylphthalate	10.316	149	19852	3.100	ng	97
63) Azobenzene	10.616	77	17264	2.897	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5031	2.586	ng	# 1
75) Fluoranthene	12.610	202	21363	2.725	ng	97
78) Pyrene	12.839	202	22007	2.050	ng	97
88) Benzo(b)fluoranthene	15.092	252	31444	3.273	ng	# 92
89) Benzo(k)fluoranthene	15.092	252	31444	3.497	ng	# 93

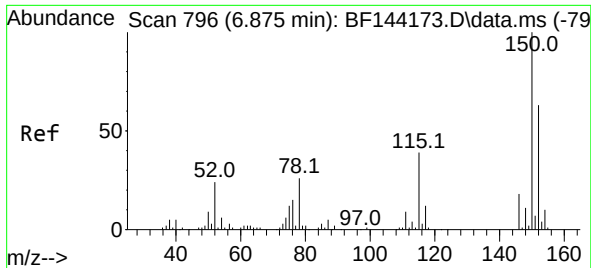
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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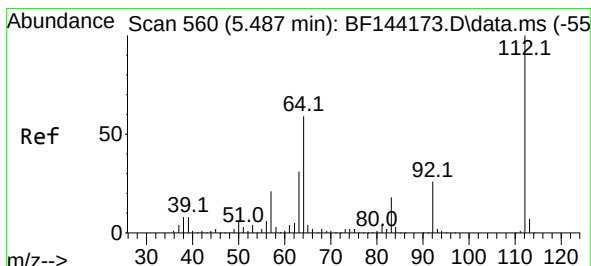
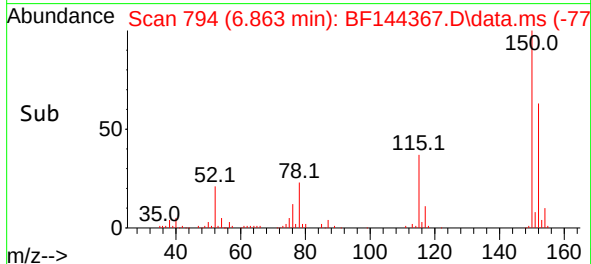
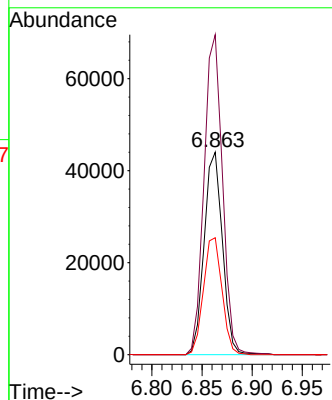
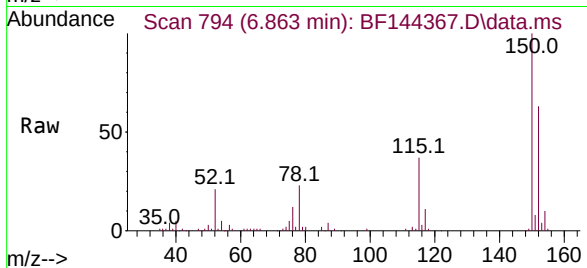




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

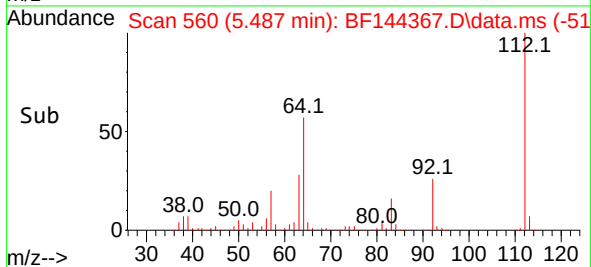
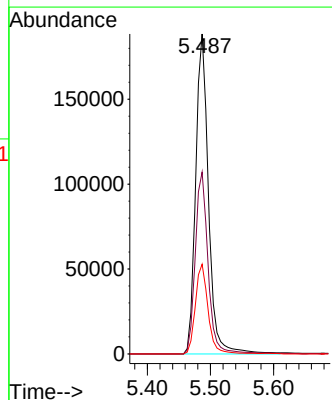
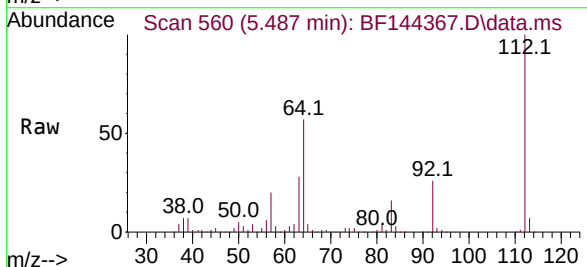
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

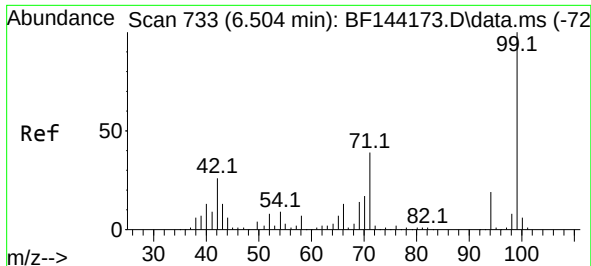
Tgt Ion:152 Resp: 55725
Ion Ratio Lower Upper
152 100
150 158.1 127.4 191.0
115 57.7 49.5 74.3



#5
2-Fluorophenol
Concen: 74.888 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion:112 Resp: 266676
Ion Ratio Lower Upper
112 100
64 56.8 47.2 70.8
63 28.0 24.4 36.6

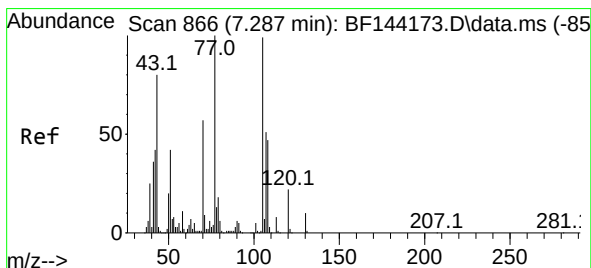
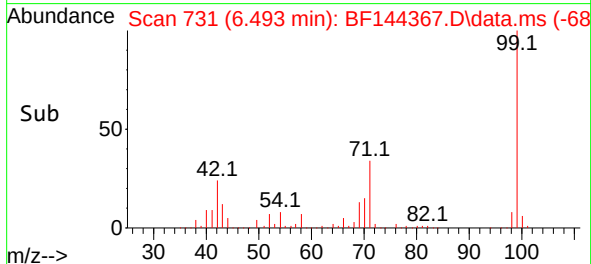
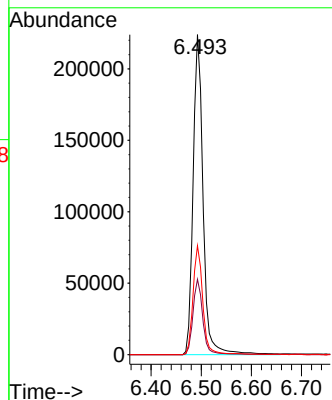
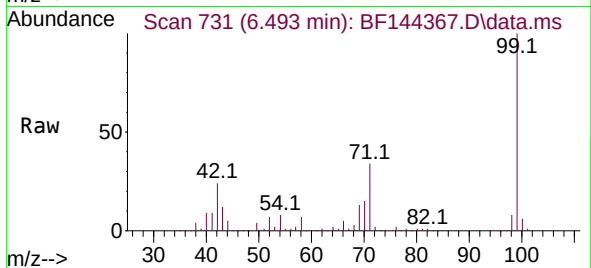




#7
Phenol-d6
Concen: 77.028 ng
RT: 6.493 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

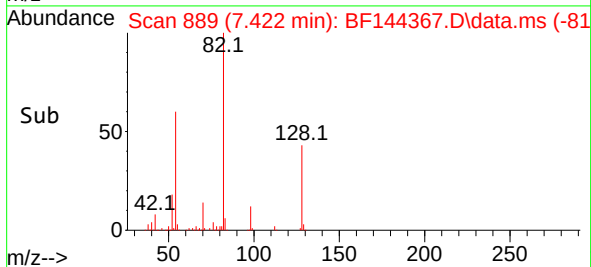
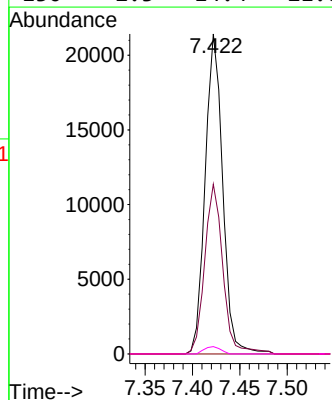
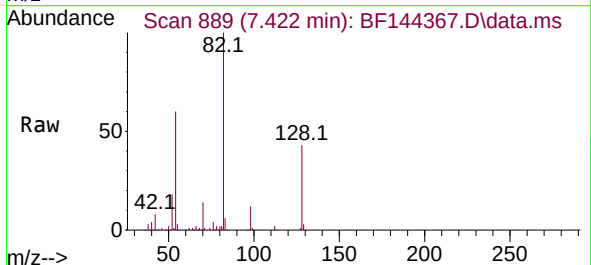
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

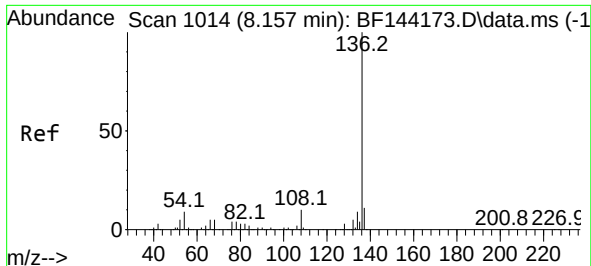
Tgt Ion: 99 Resp: 310800
Ion Ratio Lower Upper
99 100
42 23.5 20.9 31.3
71 34.0 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.405 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion: 70 Resp: 27638
Ion Ratio Lower Upper
70 100
42 53.0 58.3 87.5#
101 0.0 7.0 10.6#
130 2.3 14.4 21.6#

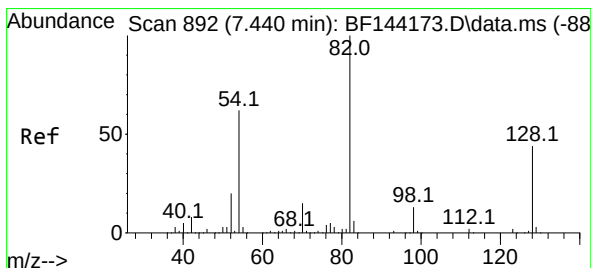
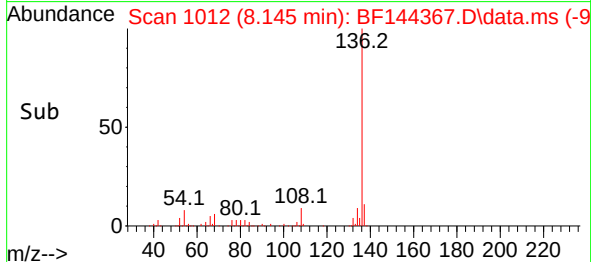
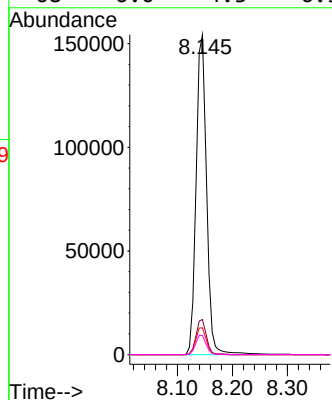
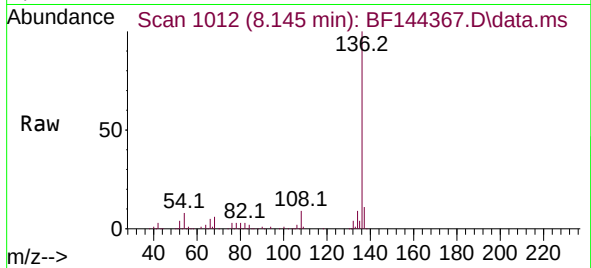




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

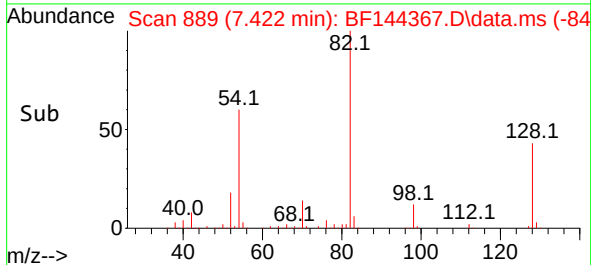
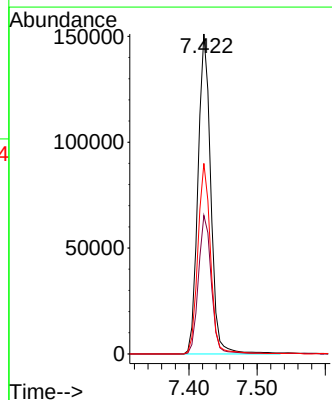
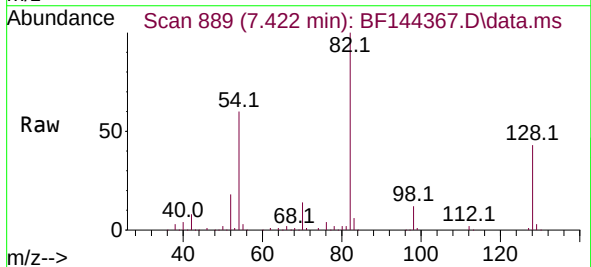
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

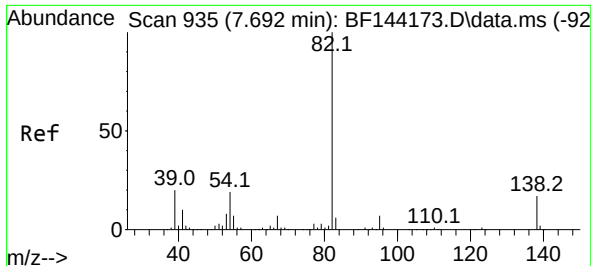
Tgt Ion:136 Resp: 204609
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.4 7.0 10.6
68 6.0 4.3 6.5



#23
Nitrobenzene-d5
Concen: 55.576 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion: 82 Resp: 196890
Ion Ratio Lower Upper
82 100
128 43.3 34.7 52.1
54 59.5 49.5 74.3

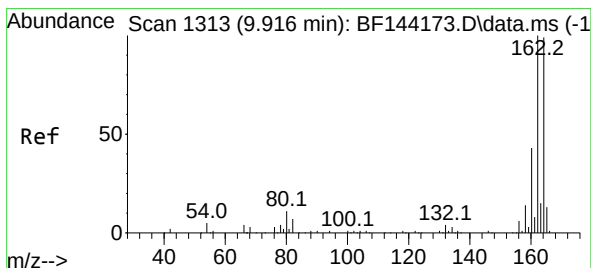
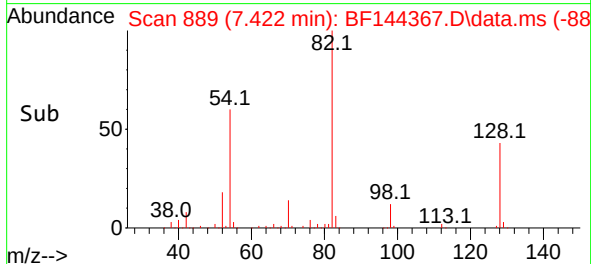
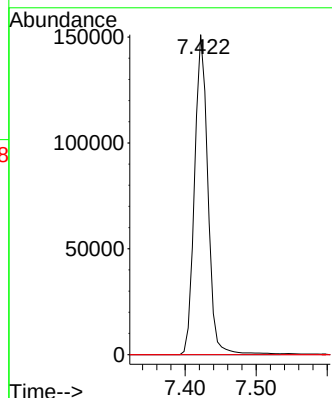
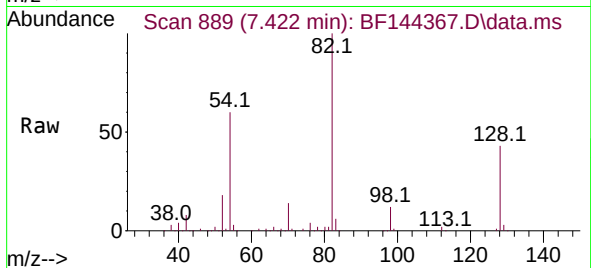




#25
Isophorone
Concen: 29.382 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

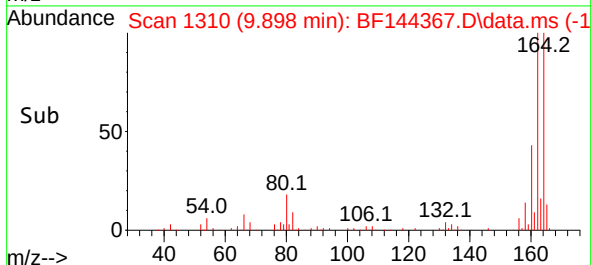
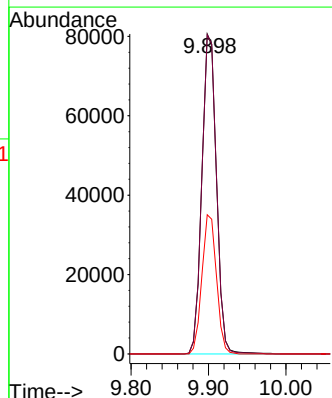
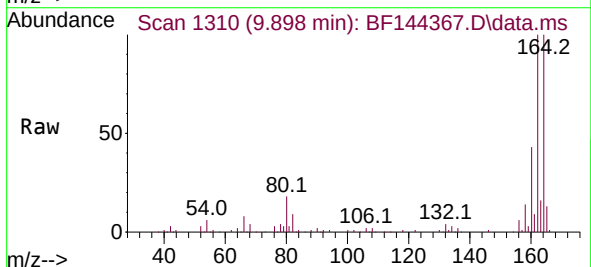
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

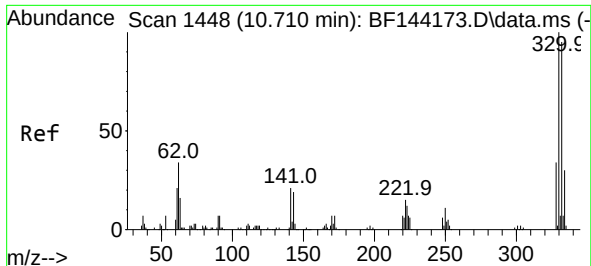
Tgt Ion: 82 Resp: 196888
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion:164 Resp: 104861
Ion Ratio Lower Upper
164 100
162 99.7 81.1 121.7
160 43.5 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 64.845 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-12A

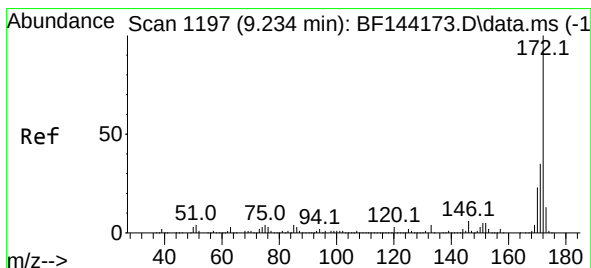
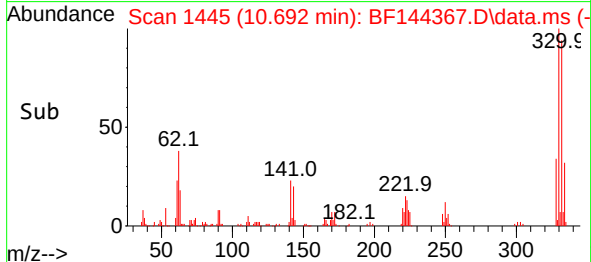
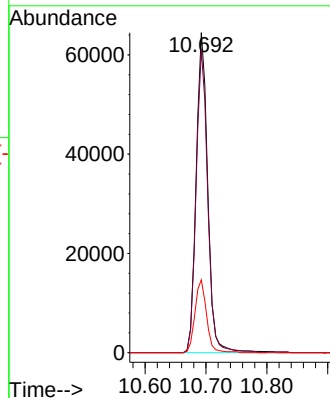
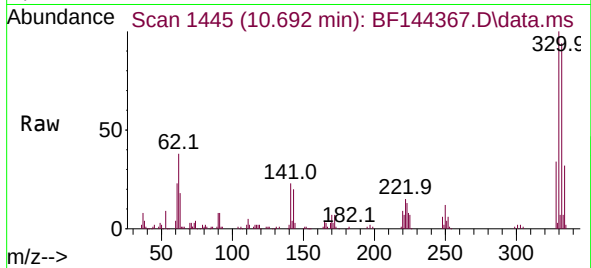
Tgt Ion:330 Resp: 85329

Ion Ratio Lower Upper

330 100

332 94.6 76.7 115.1

141 22.7 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 55.200 ng

RT: 9.216 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

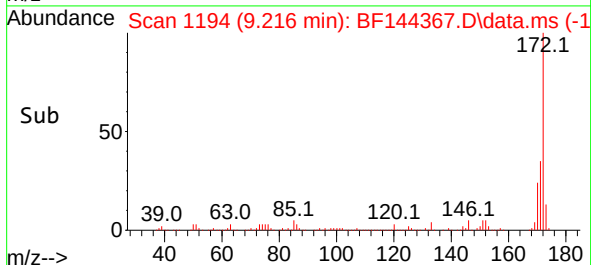
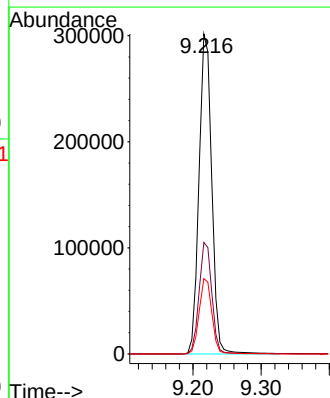
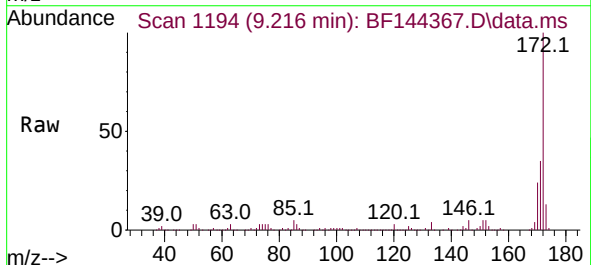
Tgt Ion:172 Resp: 391913

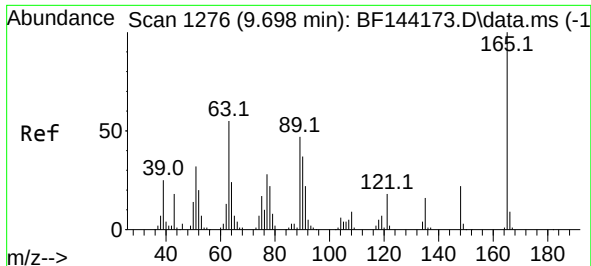
Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.5 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.822 ng

RT: 9.898 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-12A

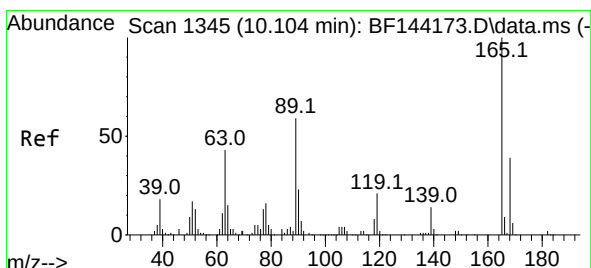
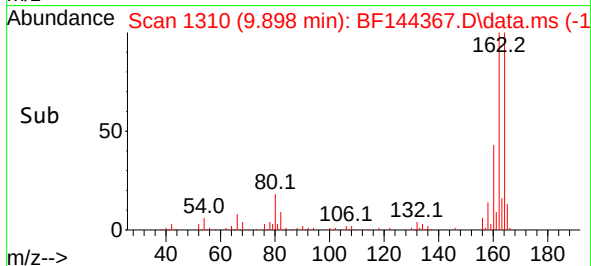
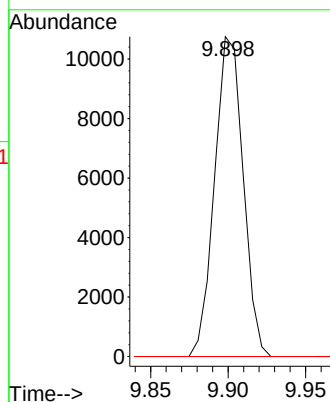
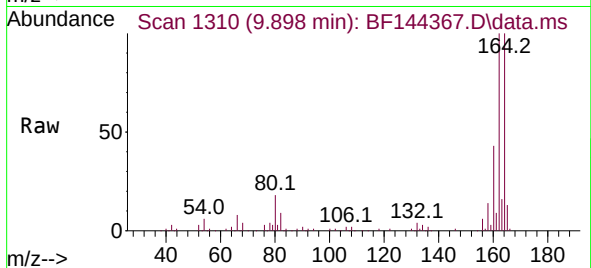
Tgt Ion:165 Resp: 13813

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: 7.337 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.200 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

Tgt Ion:165 Resp: 13813

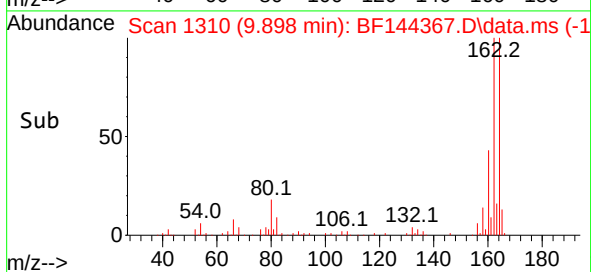
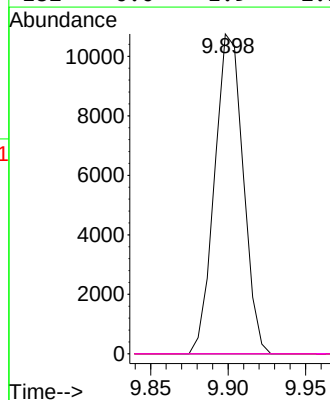
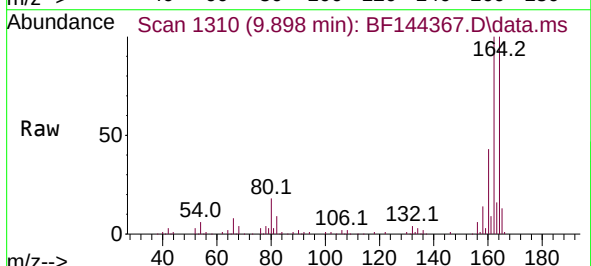
Ion Ratio Lower Upper

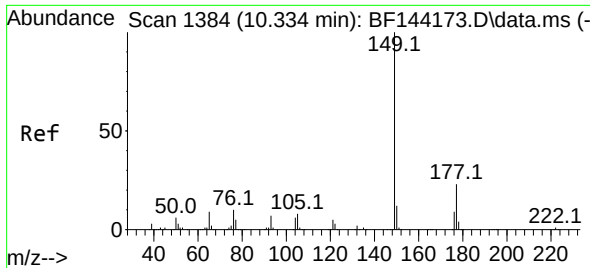
165 100

63 0.0 35.5 53.3#

89 0.0 47.4 71.2#

182 0.0 1.9 2.9#

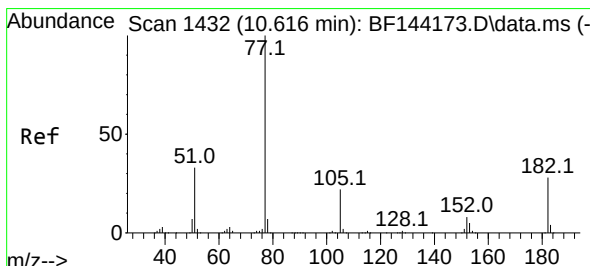
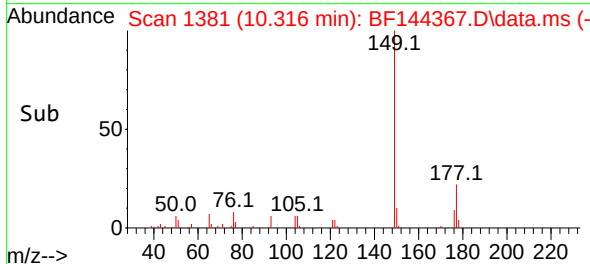
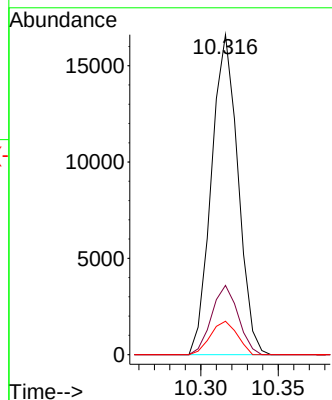
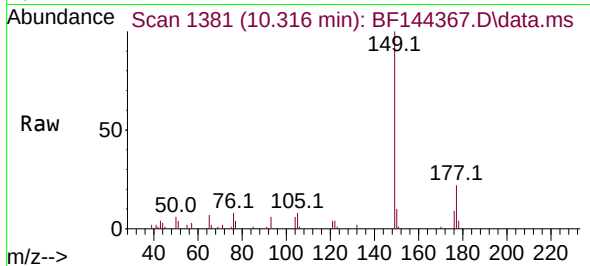




#60
Diethylphthalate
Concen: 3.100 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

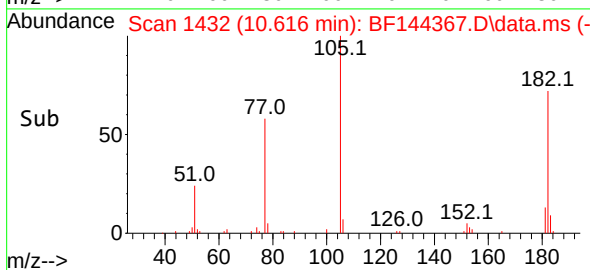
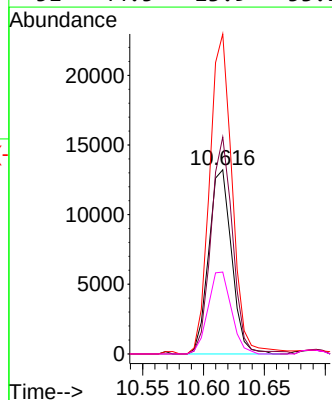
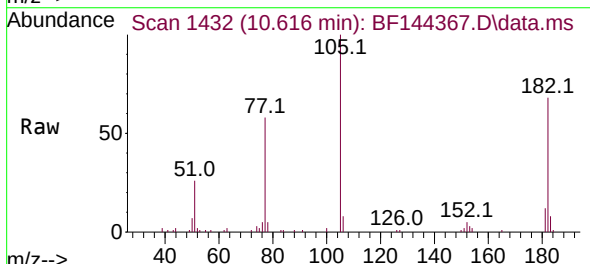
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

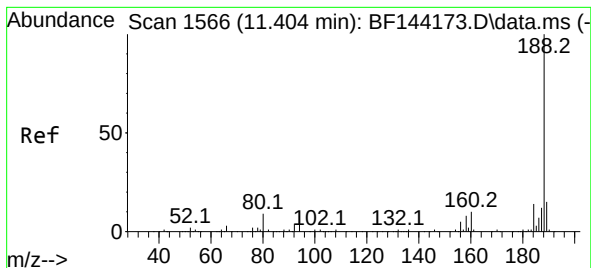
Tgt Ion:	149	Resp:	19852
Ion Ratio	Lower	Upper	
149	100		
177	21.6	18.3	27.5
150	10.4	9.8	14.6



#63
Azobenzene
Concen: 2.897 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion:	77	Resp:	17264
Ion Ratio	Lower	Upper	
77	100		
182	117.8	8.1	48.1#
105	173.8	2.0	42.0#
51	44.5	13.9	53.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-12A

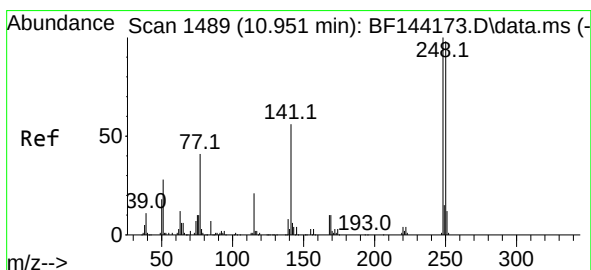
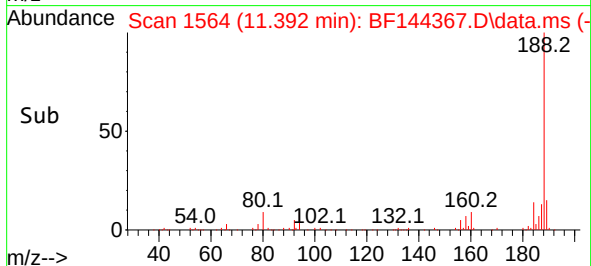
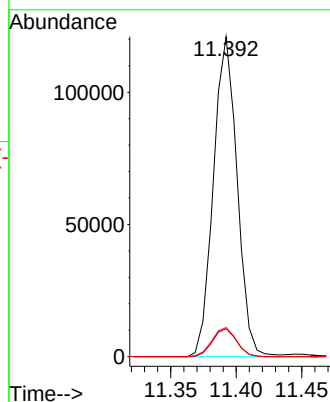
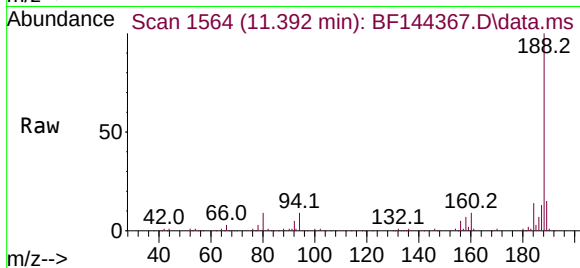
Tgt Ion:188 Resp: 152442

Ion Ratio Lower Upper

188 100

94 8.7 6.2 9.2

80 9.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.586 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF144367.D

Acq: 26 Nov 2025 18:12

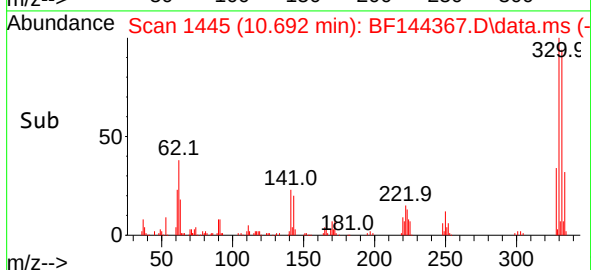
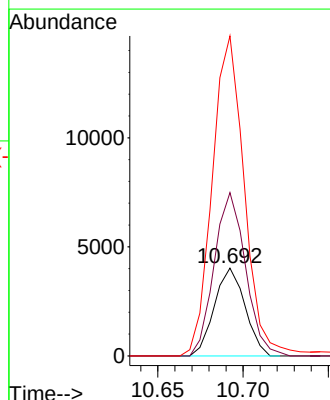
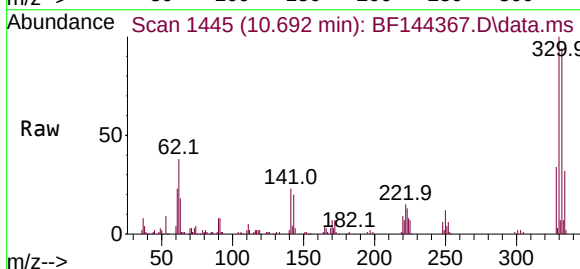
Tgt Ion:248 Resp: 5031

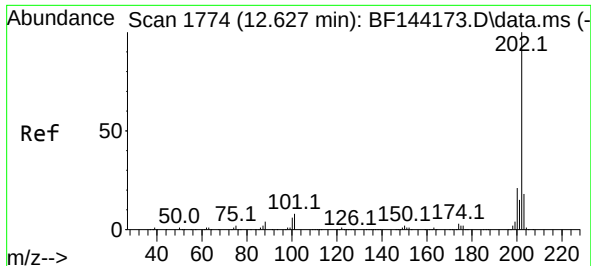
Ion Ratio Lower Upper

248 100

250 186.1 78.4 117.6#

141 364.8 45.1 67.7#

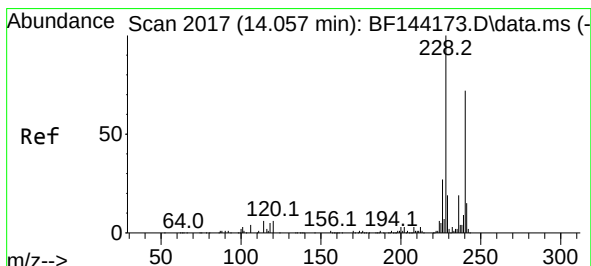
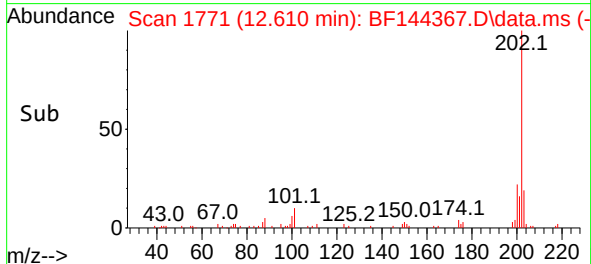
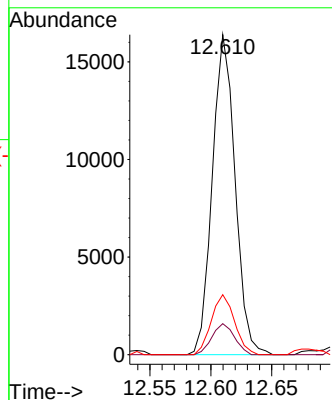
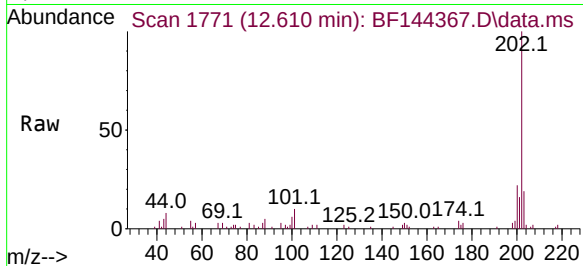




#75
Fluoranthene
Concen: 2.725 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

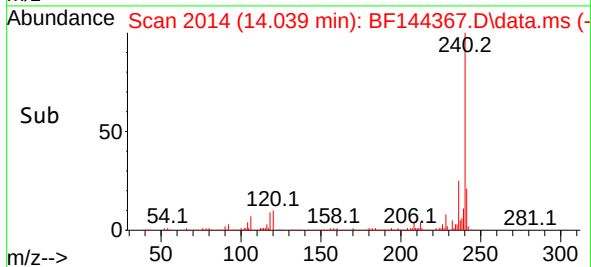
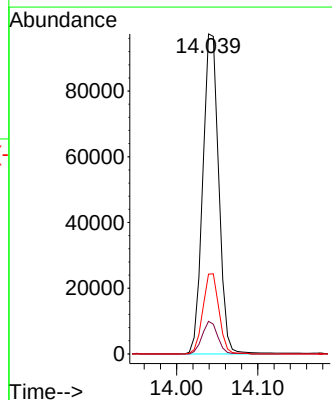
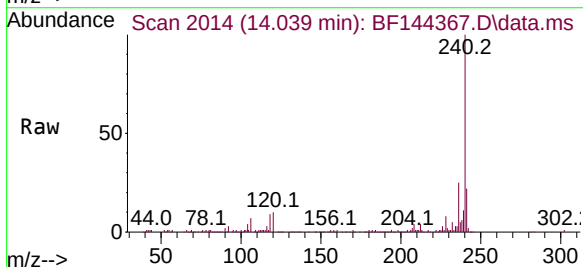
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

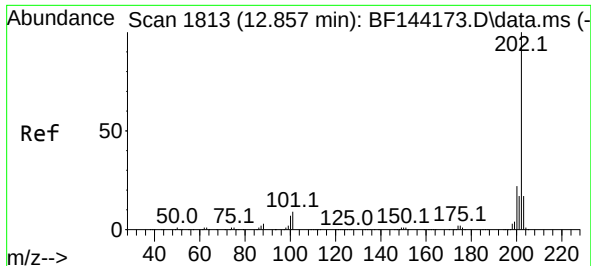
Tgt Ion:202 Resp: 21363
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.9
203 18.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion:240 Resp: 133155
Ion Ratio Lower Upper
240 100
120 10.2 6.6 10.0#
236 25.0 21.4 32.2

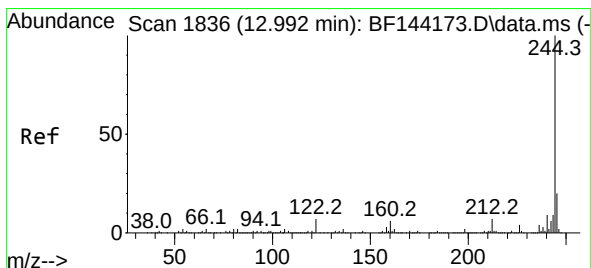
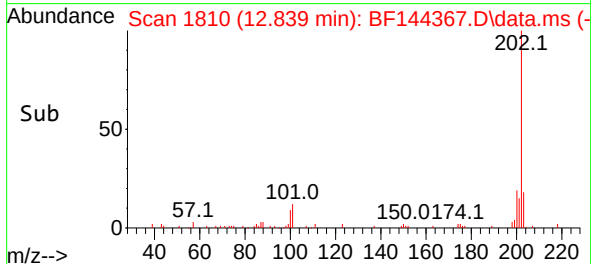
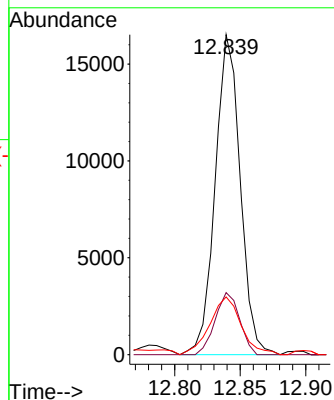
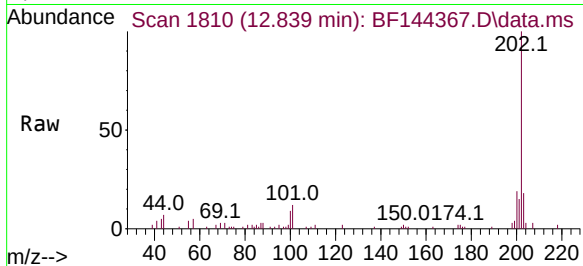




#78
Pyrene
Concen: 2.050 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

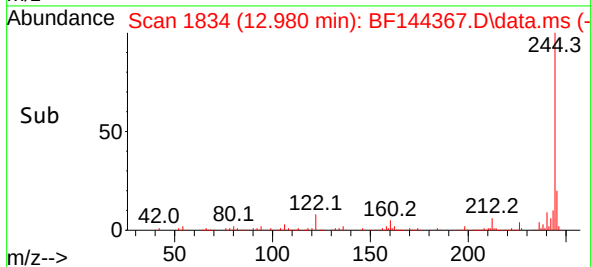
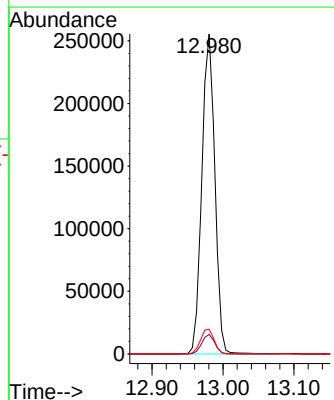
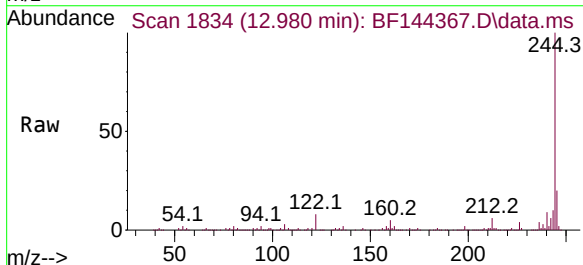
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

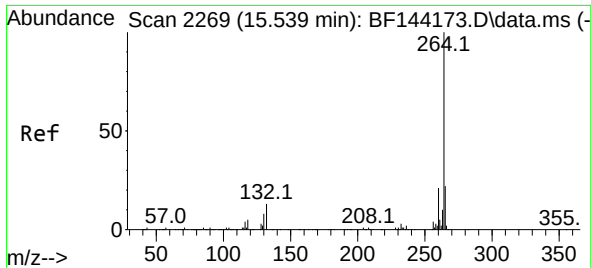
Tgt Ion:202 Resp: 22007
Ion Ratio Lower Upper
202 100
200 19.4 17.2 25.8
203 18.0 13.7 20.5



#79
Terphenyl-d14
Concen: 38.564 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion:244 Resp: 323277
Ion Ratio Lower Upper
244 100
212 6.1 5.3 7.9
122 7.7 5.6 8.4

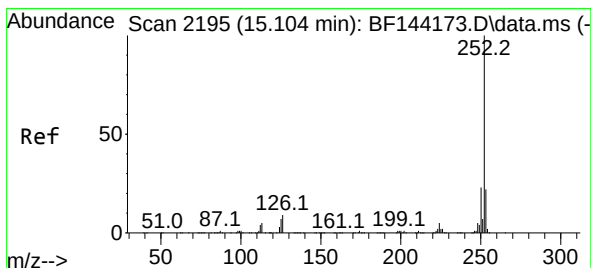
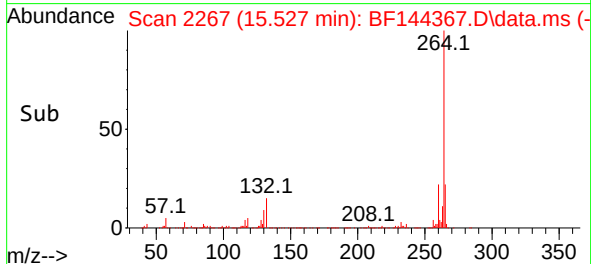
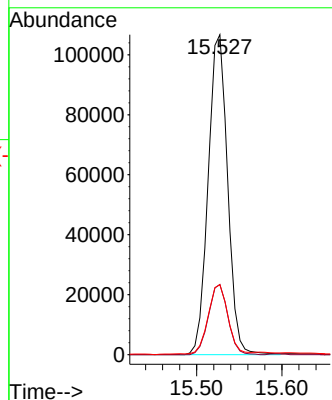
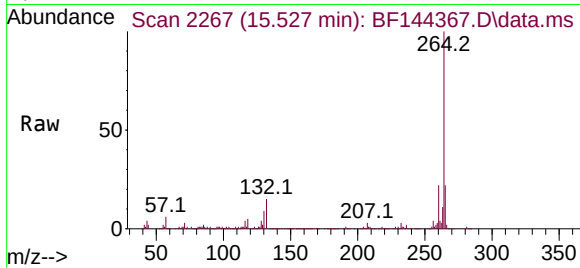




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

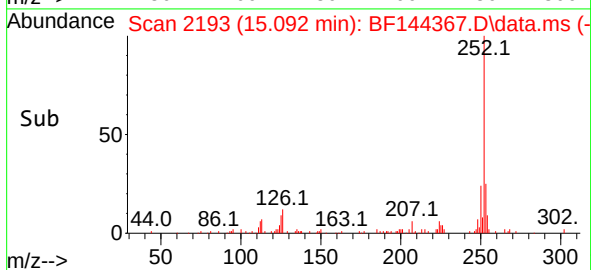
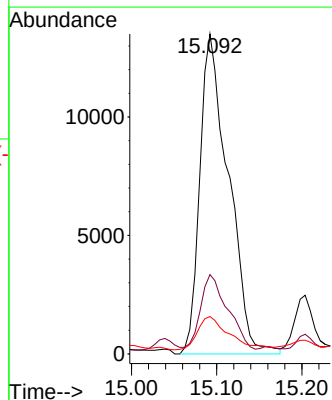
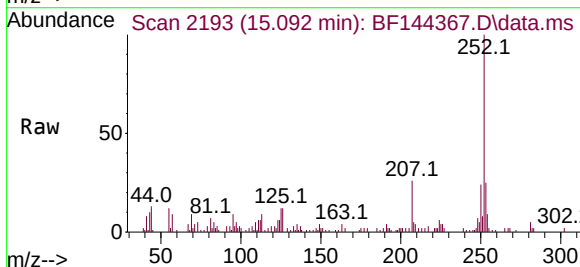
Instrument :
BNA_F
ClientSampleId :
SB-1125-12A

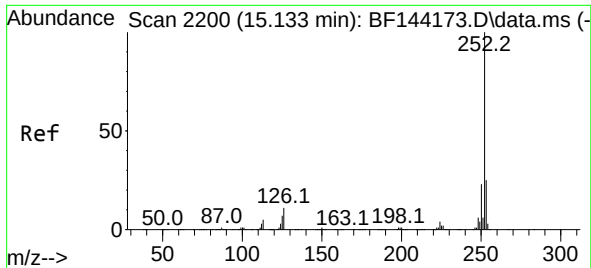
Tgt Ion:264 Resp: 168994
Ion Ratio Lower Upper
264 100
260 21.9 17.1 25.7
265 21.9 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 3.273 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144367.D
Acq: 26 Nov 2025 18:12

Tgt Ion:252 Resp: 31444
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 11.7 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 3.497 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF144367.D

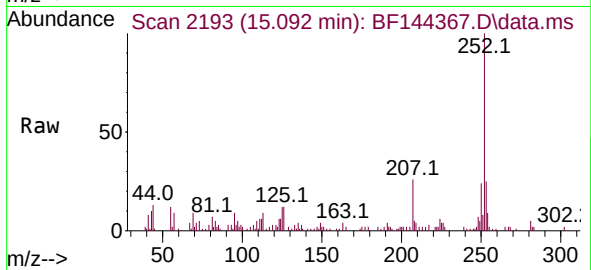
Acq: 26 Nov 2025 18:12

Instrument :

BNA_F

ClientSampleId :

SB-1125-12A



Tgt Ion:252 Resp: 31444

Ion Ratio Lower Upper

252 100

253 24.8 18.0 27.0

125 11.7 5.4 8.2#

