

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144389.D
 Acq On : 01 Dec 2025 16:14
 Operator : RC/JU
 Sample : Q3725-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 16:55:11 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)

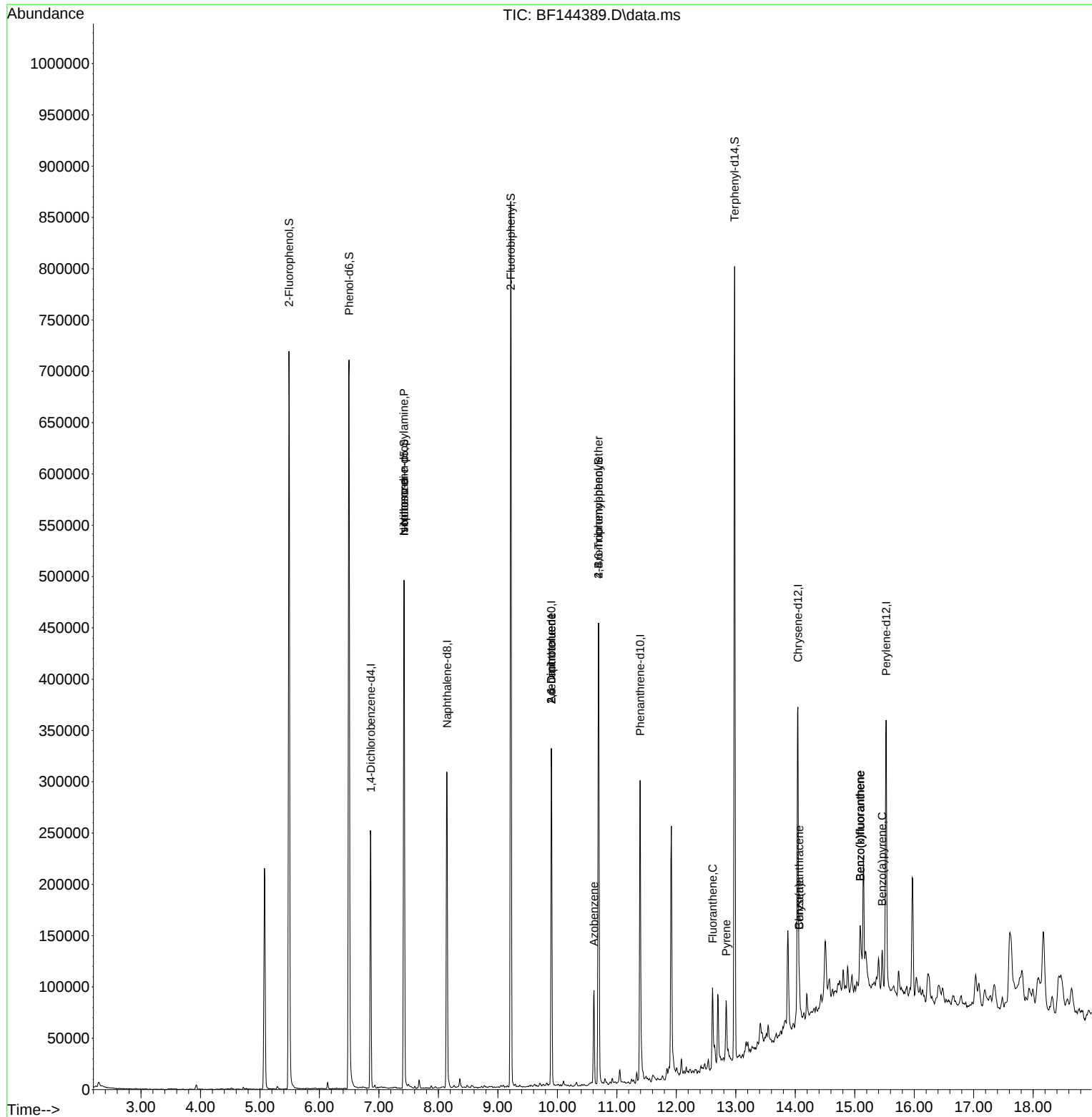
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55052	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	209511	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	102395	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	156977	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	146808	20.000	ng	0.00
86) Perylene-d12	15.527	264	162341	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293214	83.347	ng	0.00
7) Phenol-d6	6.498	99	333990	83.788	ng	0.00
23) Nitrobenzene-d5	7.422	82	210909	58.140	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	90590	70.501	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	409821	59.112	ng	-0.01
79) Terphenyl-d14	12.980	244	408564	44.205	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	29122	11.098	ng	# 78
25) Isophorone	7.422	82	210908	30.737	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	13845	10.082	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	13845	7.531	ng	# 27
63) Azobenzene	10.616	77	21795	3.745	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5296	2.643	ng	# 1
75) Fluoranthene	12.610	202	38217	4.734	ng	98
78) Pyrene	12.839	202	35160	2.970	ng	98
81) Benzo(a)anthracene	14.069	228	22931	2.254	ng	94
83) Chrysene	14.069	228	22931	2.441	ng	94
88) Benzo(b)fluoranthene	15.092	252	50178	5.437	ng	# 92
89) Benzo(k)fluoranthene	15.092	252	50178	5.809	ng	# 94
90) Benzo(a)pyrene	15.463	252	22631	2.658	ng	# 89

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

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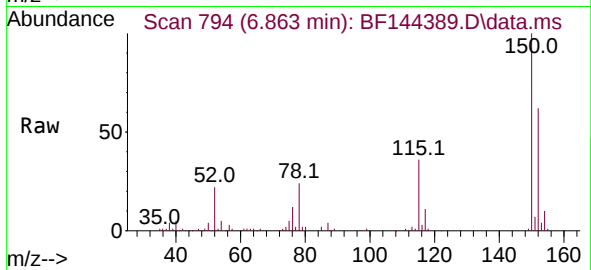
Quant Time: Dec 01 16:55:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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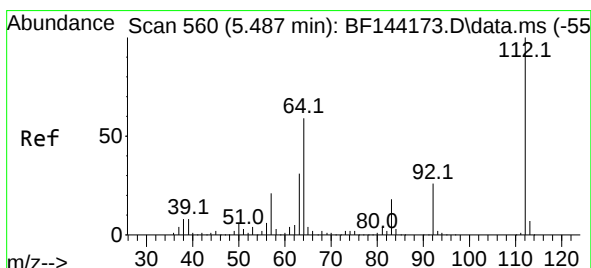
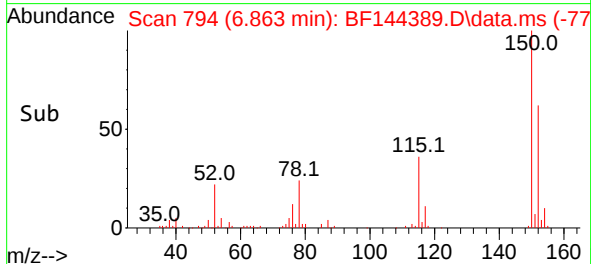
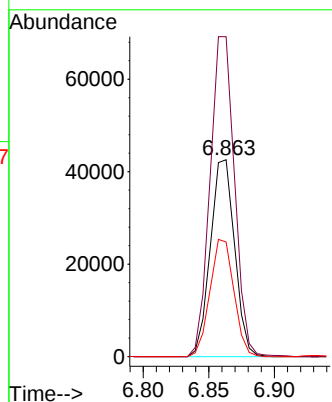


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

Instrument :
BNA_F
ClientSampleId :

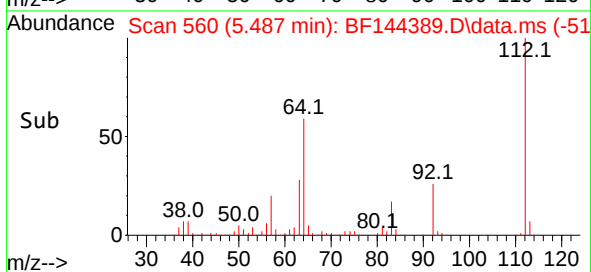
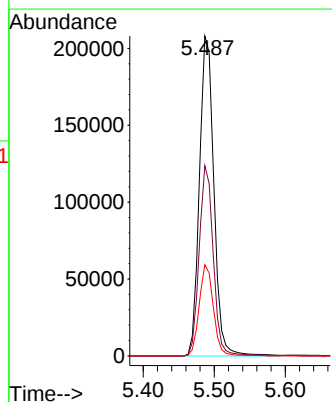
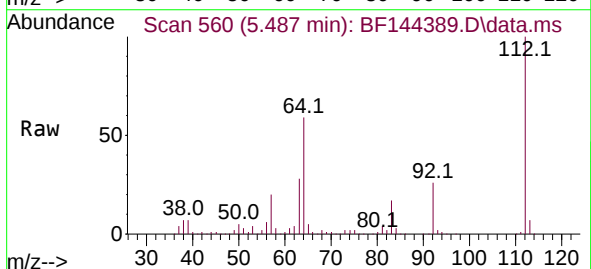


Tgt Ion:152 Resp: 55052
Ion Ratio Lower Upper
152 100
150 162.6 127.4 191.0
115 58.3 49.5 74.3



#5
2-Fluorophenol
Concen: 83.347 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

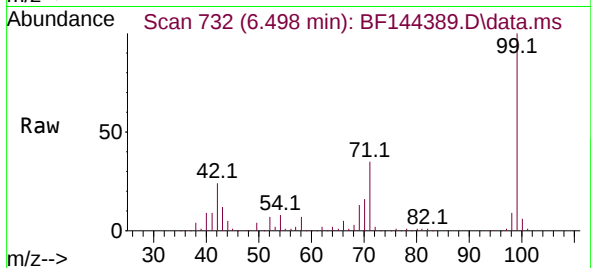
Tgt Ion:112 Resp: 293214
Ion Ratio Lower Upper
112 100
64 59.4 47.2 70.8
63 28.5 24.4 36.6



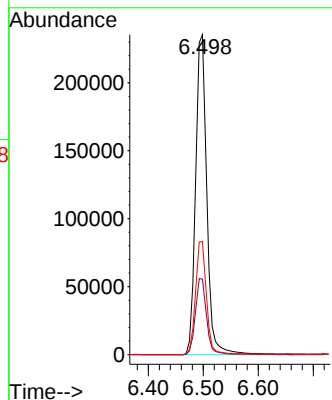
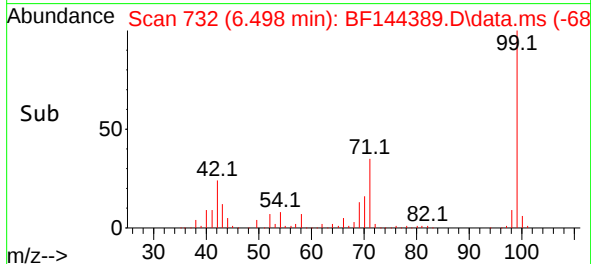


#7
Phenol-d6
Concen: 83.788 ng
RT: 6.498 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

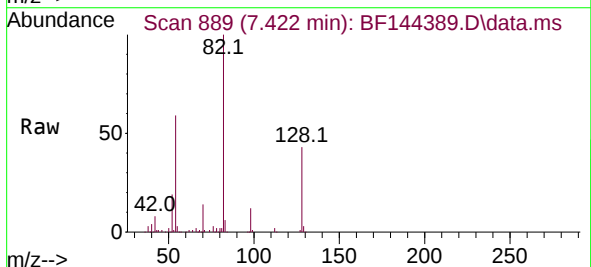
Instrument :
BNA_F
ClientSampleId :



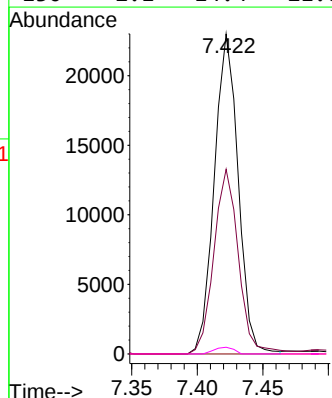
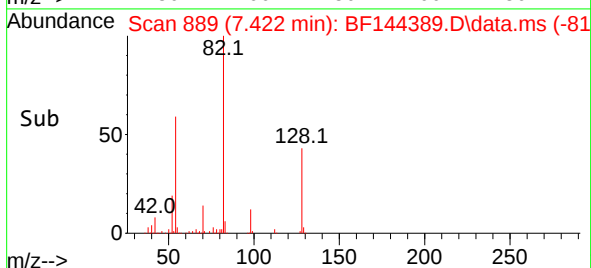
Tgt Ion: 99 Resp: 333990
Ion Ratio Lower Upper
99 100
42 23.6 20.9 31.3
71 35.4 31.4 47.2

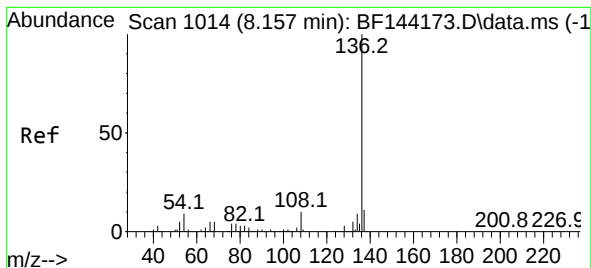


#19
n-Nitroso-di-n-propylamine
Concen: 11.098 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14



Tgt Ion: 70 Resp: 29122
Ion Ratio Lower Upper
70 100
42 57.7 58.3 87.5#
101 0.0 7.0 10.6#
130 2.1 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: BF144389.D

Acq: 01 Dec 2025 16:14

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 209511

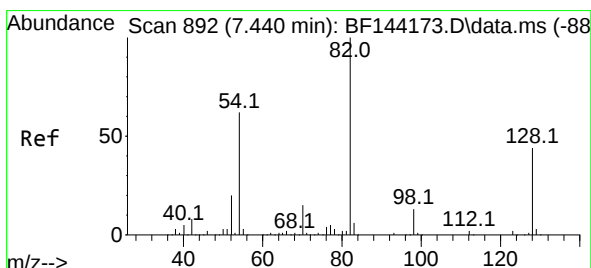
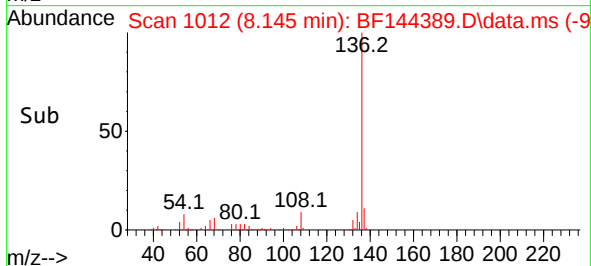
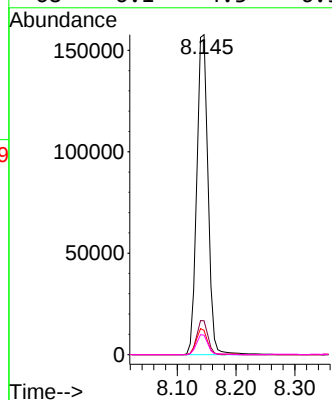
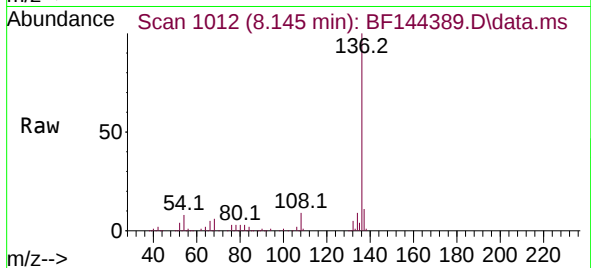
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 7.6 7.0 10.6

68 6.1 4.3 6.5



#23

Nitrobenzene-d5

Concen: 58.140 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

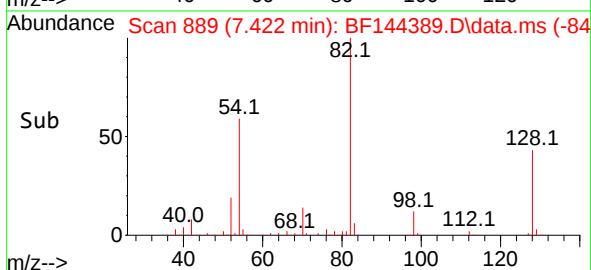
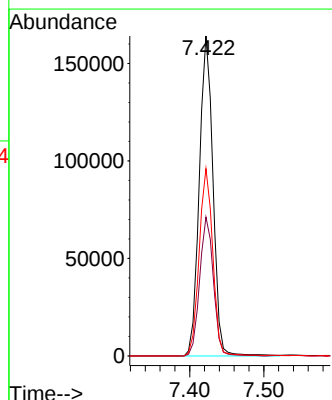
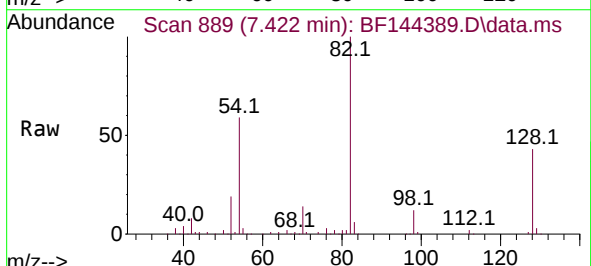
Tgt Ion: 82 Resp: 210909

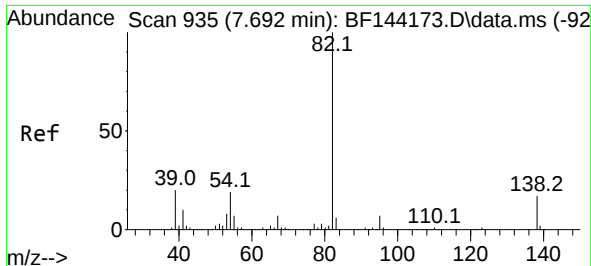
Ion Ratio Lower Upper

82 100

128 43.4 34.7 52.1

54 58.5 49.5 74.3

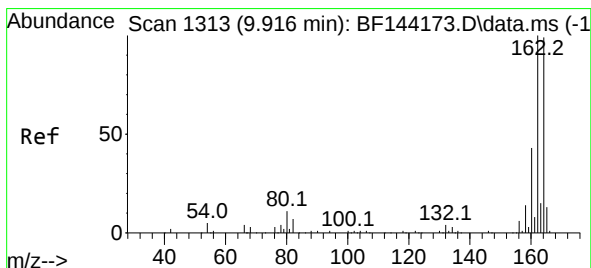
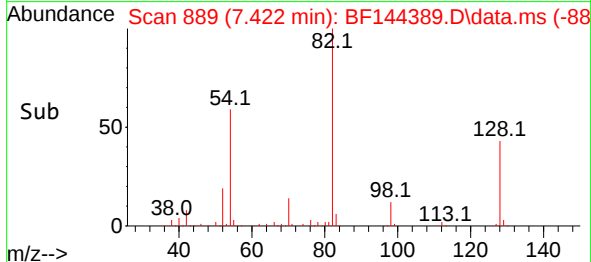
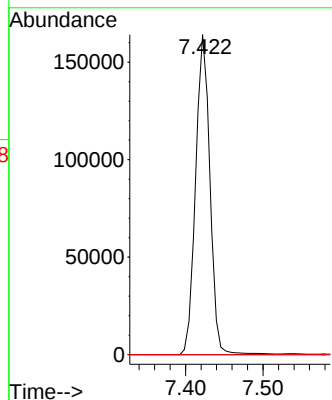
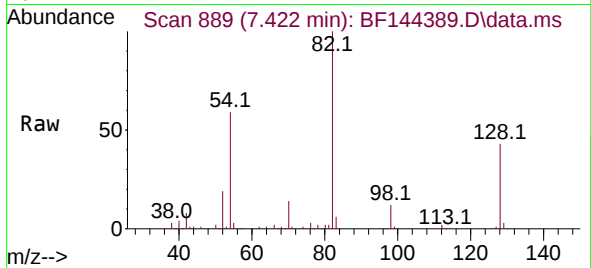




#25
Isophorone
Concen: 30.737 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

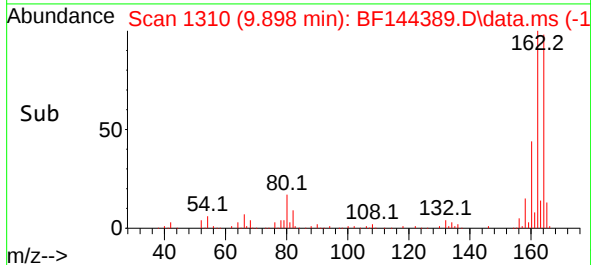
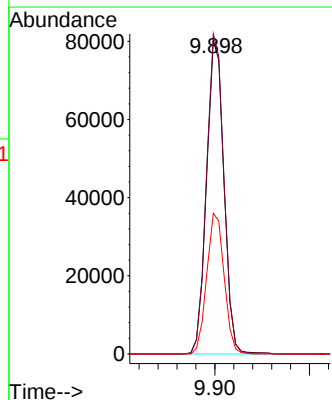
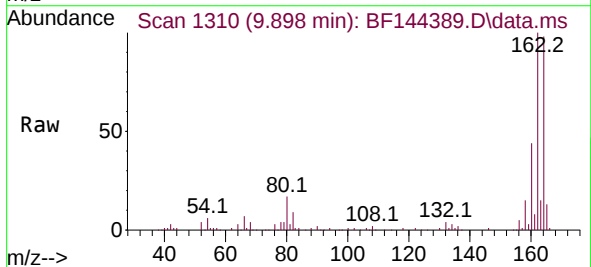
Instrument :
BNA_F
ClientSampleId :

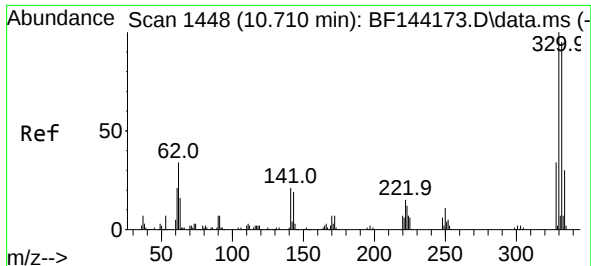
Tgt Ion: 82 Resp: 210908
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

Tgt Ion:164 Resp: 102395
Ion Ratio Lower Upper
164 100
162 102.0 81.1 121.7
160 44.8 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 70.501 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

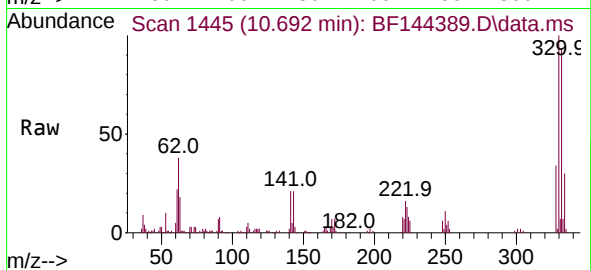
Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

Instrument :

BNA_F

ClientSampleId :



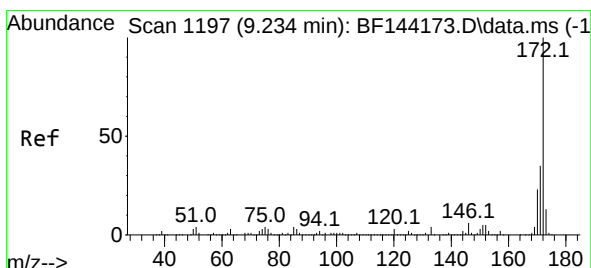
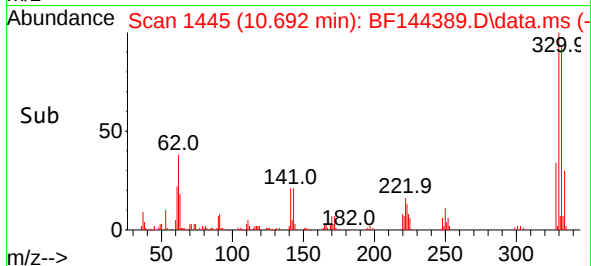
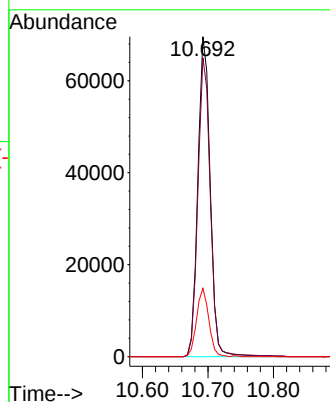
Tgt Ion:330 Resp: 90590

Ion Ratio Lower Upper

330 100

332 93.8 76.7 115.1

141 21.1 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 59.112 ng

RT: 9.216 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

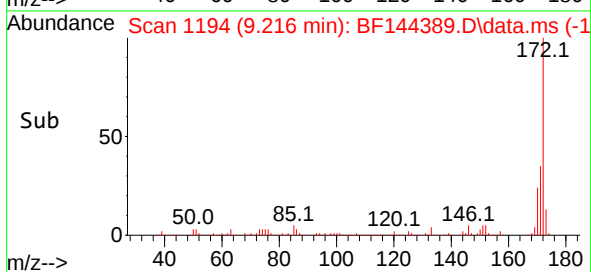
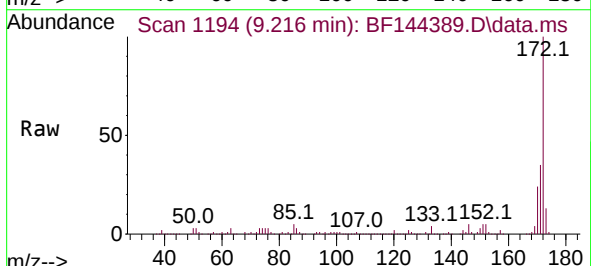
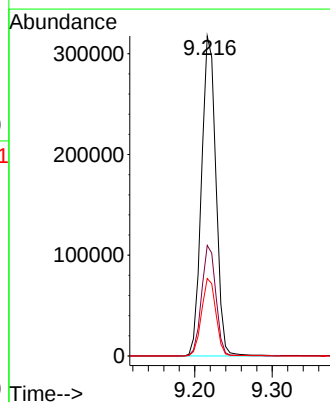
Tgt Ion:172 Resp: 409821

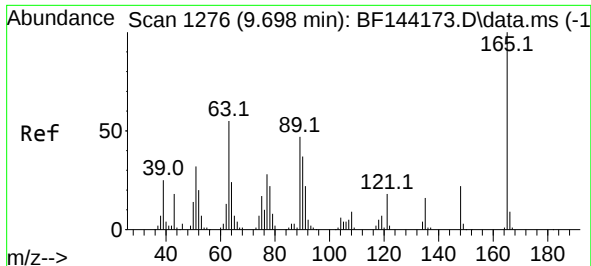
Ion Ratio Lower Upper

172 100

171 34.5 28.1 42.1

170 24.2 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 10.082 ng

RT: 9.898 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF144389.D

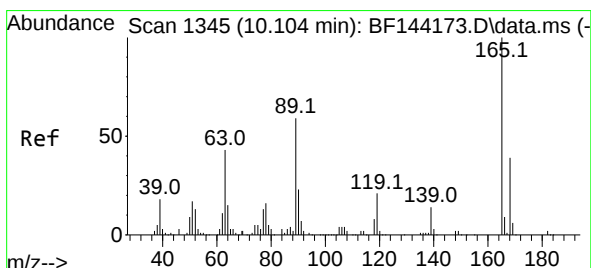
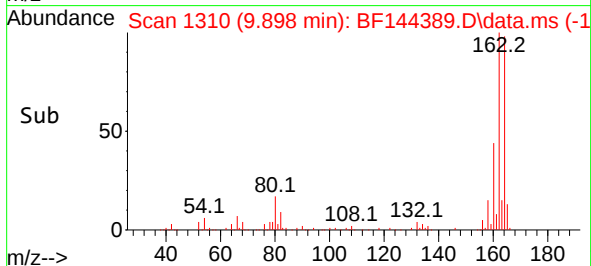
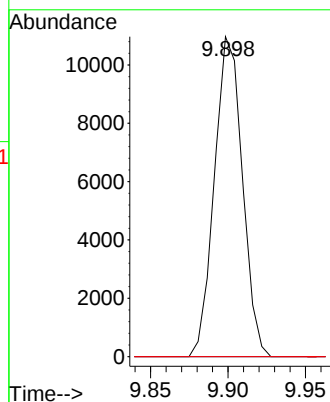
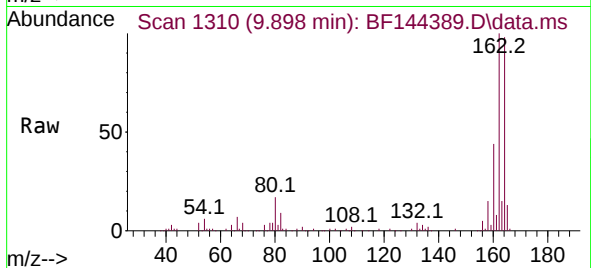
Acq: 01 Dec 2025 16:14

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:165	Resp:	13845
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: 7.531 ng

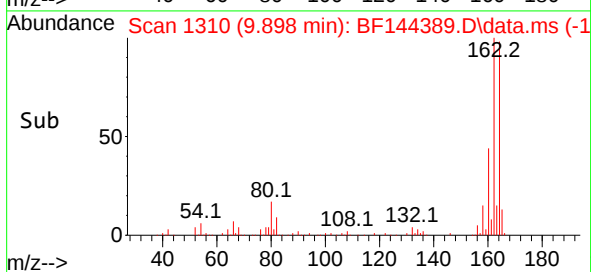
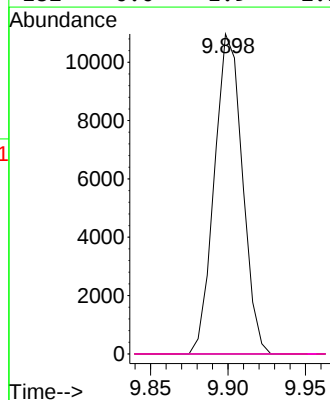
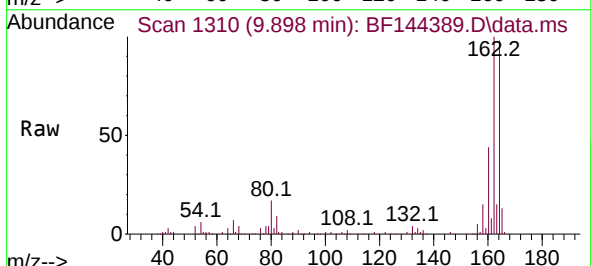
RT: 9.898 min Scan# 1310

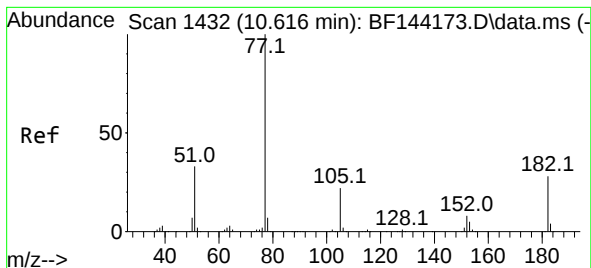
Delta R.T. -0.200 min

Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

Tgt Ion:165	Resp:	13845
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: 3.745 ng

RT: 10.616 min Scan# 14

Delta R.T. 0.000 min

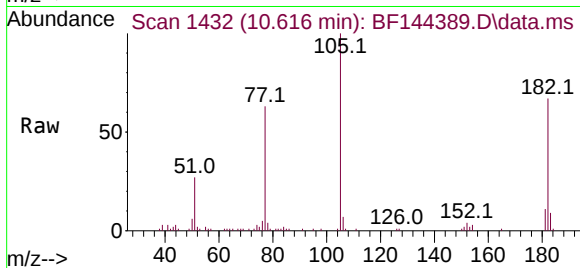
Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 21795

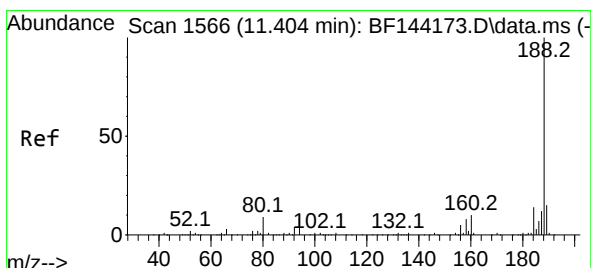
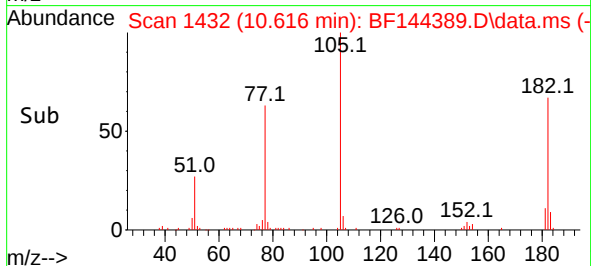
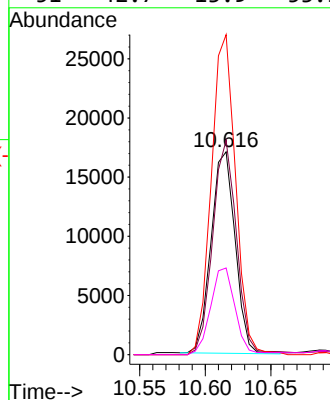
Ion Ratio Lower Upper

77 100

182 105.6 8.1 48.1#

105 157.8 2.0 42.0#

51 42.7 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: BF144389.D

Acq: 01 Dec 2025 16:14

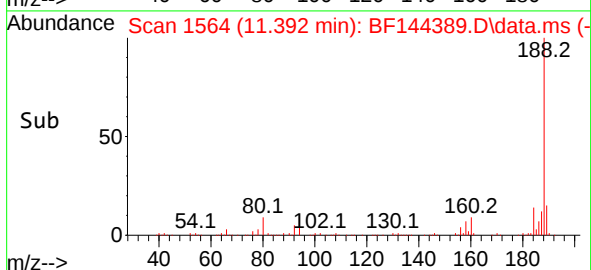
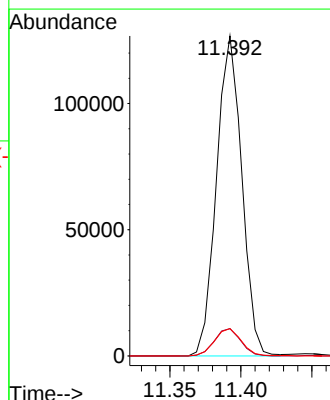
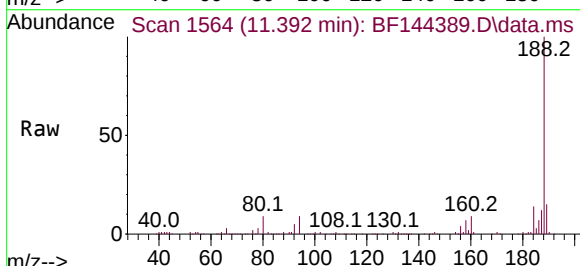
Tgt Ion: 188 Resp: 156977

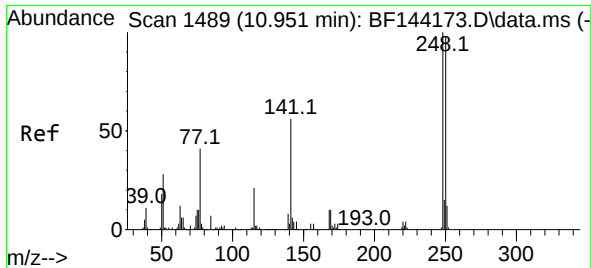
Ion Ratio Lower Upper

188 100

94 8.5 6.2 9.2

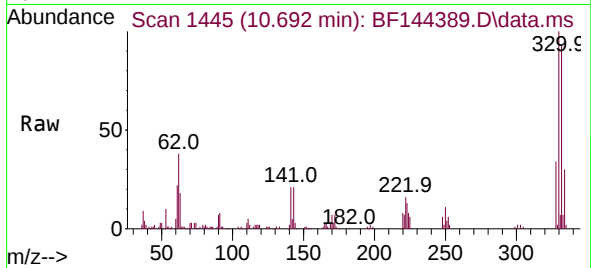
80 8.5 6.9 10.3



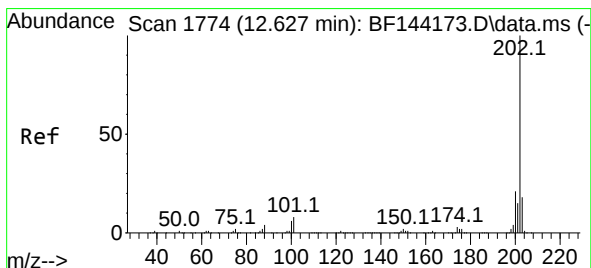
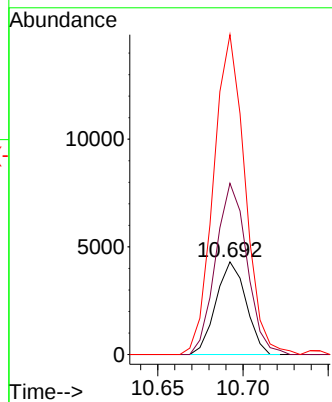
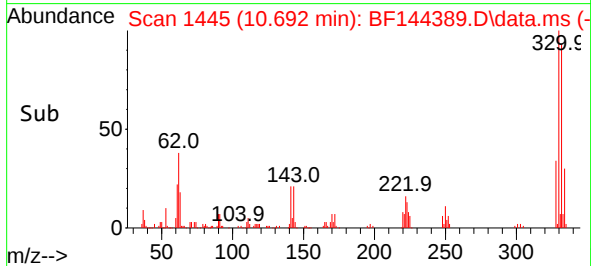


#67
4-Bromophenyl-phenylether
Concen: 2.643 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

Instrument :
BNA_F
ClientSampleId :

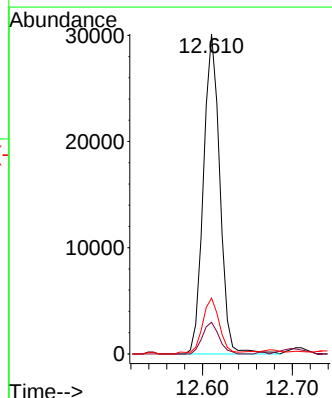
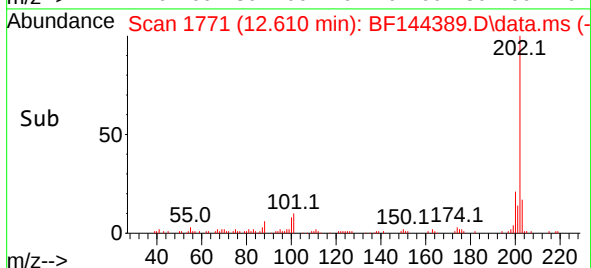
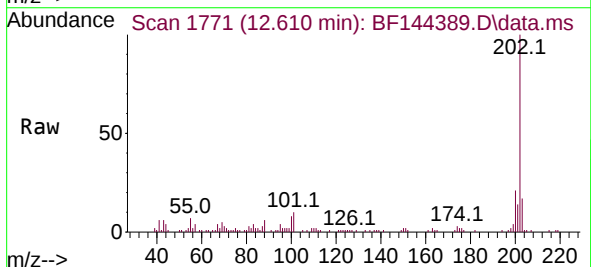


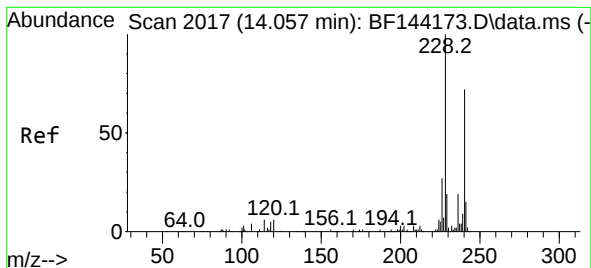
Tgt Ion:248 Resp: 5296
Ion Ratio Lower Upper
248 100
250 184.6 78.4 117.6#
141 344.9 45.1 67.7#



#75
Fluoranthene
Concen: 4.734 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

Tgt Ion:202 Resp: 38217
Ion Ratio Lower Upper
202 100
101 9.9 0.0 27.9
203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

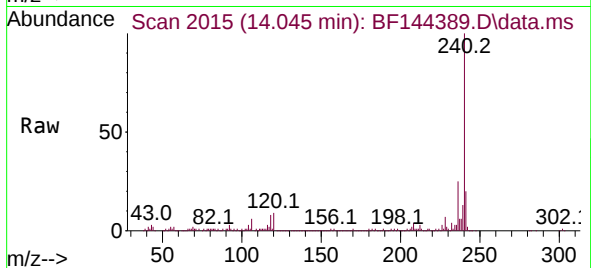
Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

Instrument :

BNA_F

ClientSampleId :



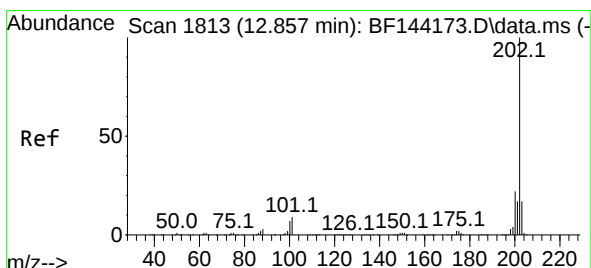
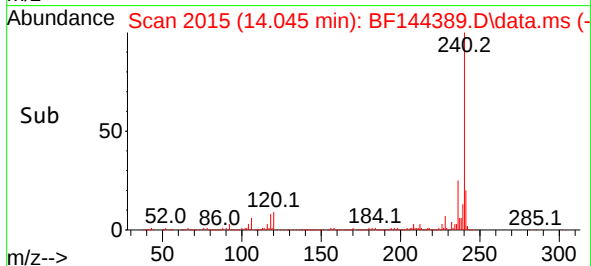
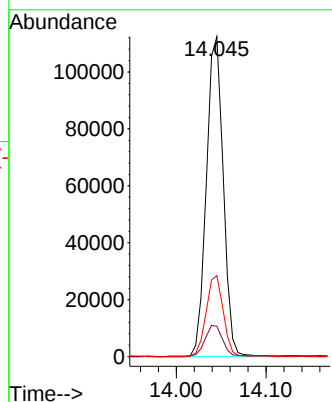
Tgt Ion:240 Resp: 146808

Ion Ratio Lower Upper

240 100

120 9.5 6.6 10.0

236 25.3 21.4 32.2



#78

Pyrene

Concen: 2.970 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

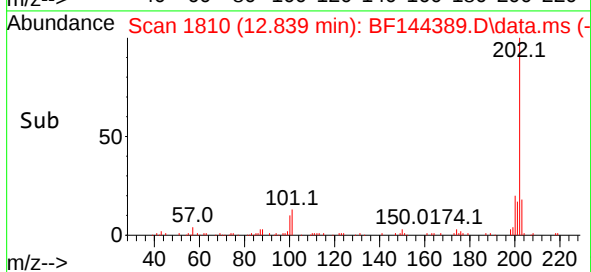
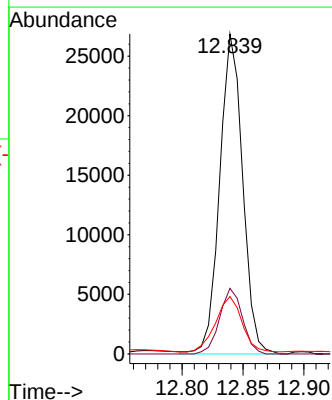
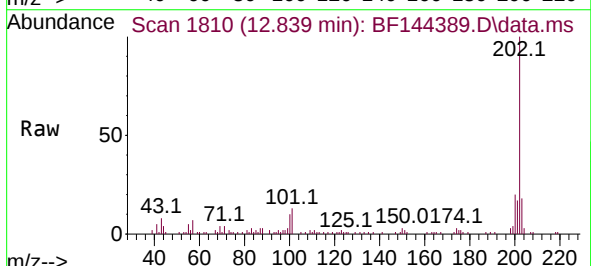
Tgt Ion:202 Resp: 35160

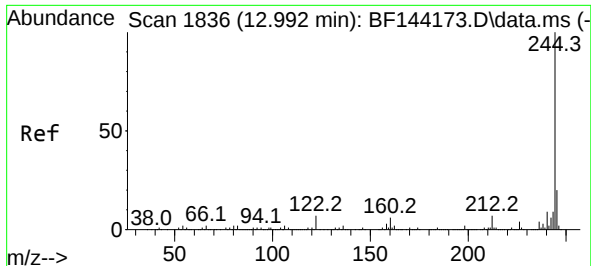
Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

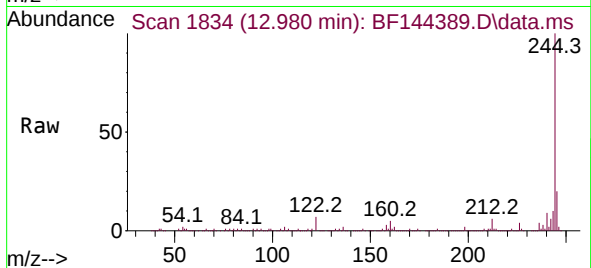
203 17.9 13.7 20.5



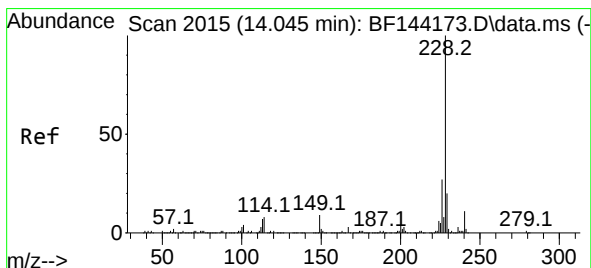
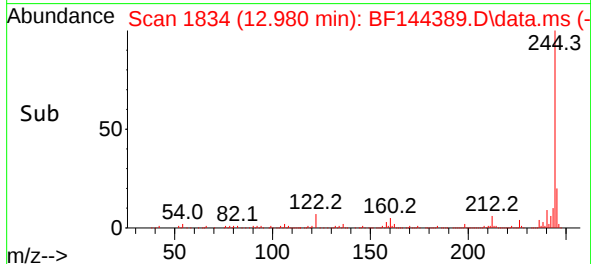
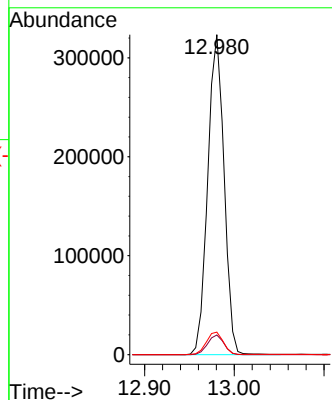


#79
 Terphenyl-d14
 Concen: 44.205 ng
 RT: 12.980 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF144389.D
 Acq: 01 Dec 2025 16:14

Instrument :
 BNA_F
 ClientSampleId :

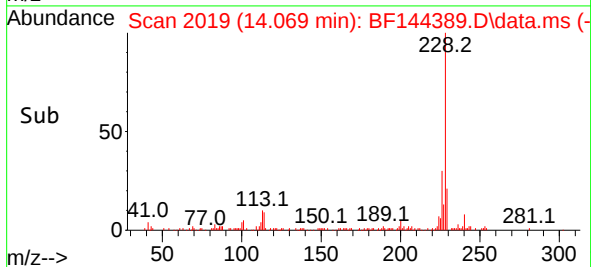
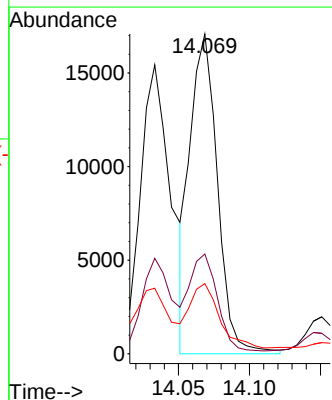
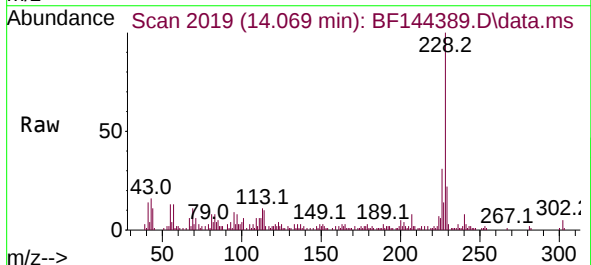


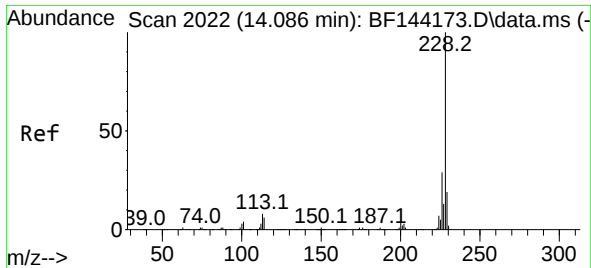
Tgt Ion:244 Resp: 408564
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.3 7.9
 122 7.0 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 2.254 ng
 RT: 14.069 min Scan# 2019
 Delta R.T. 0.024 min
 Lab File: BF144389.D
 Acq: 01 Dec 2025 16:14

Tgt Ion:228 Resp: 22931
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.8 32.8
 229 22.0 15.8 23.6

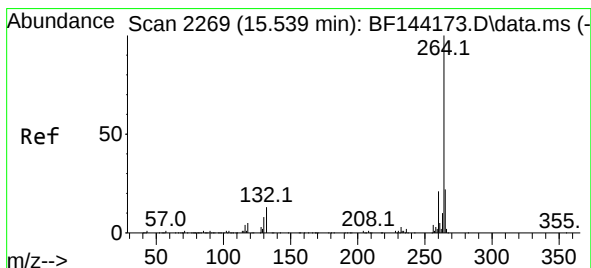
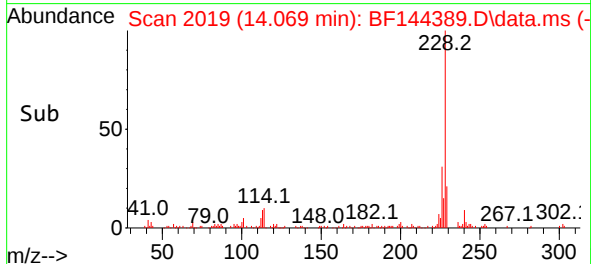
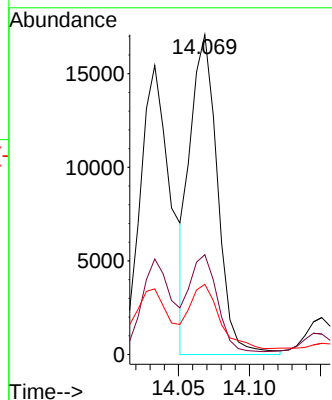
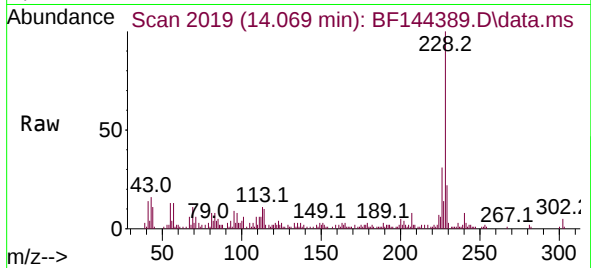




#83
Chrysene
Concen: 2.441 ng
RT: 14.069 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

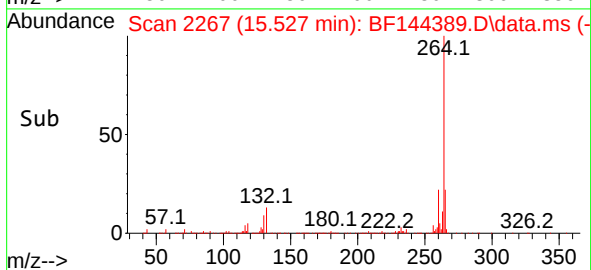
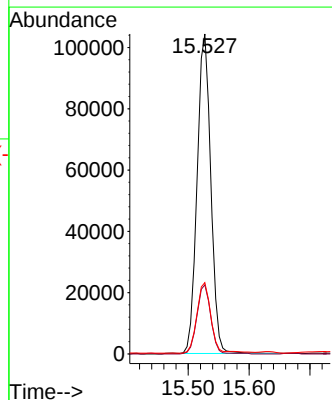
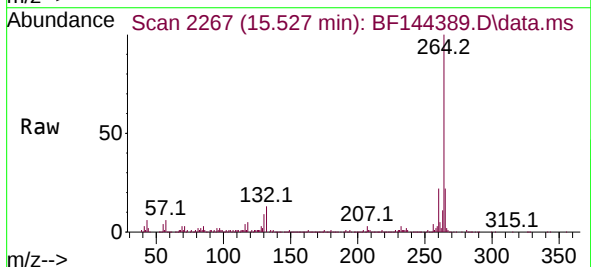
Instrument :
BNA_F
ClientSampleId :

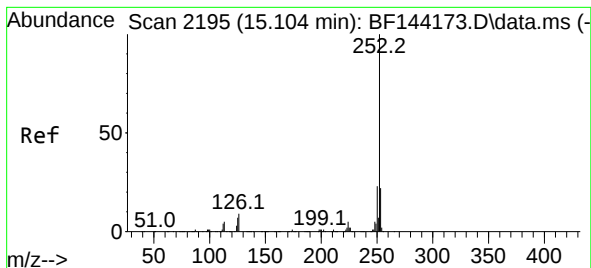
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.9	34.3
229	22.0	15.0	22.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144389.D
Acq: 01 Dec 2025 16:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.1	25.7
265	22.3	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 5.437 ng

RT: 15.092 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF144389.D

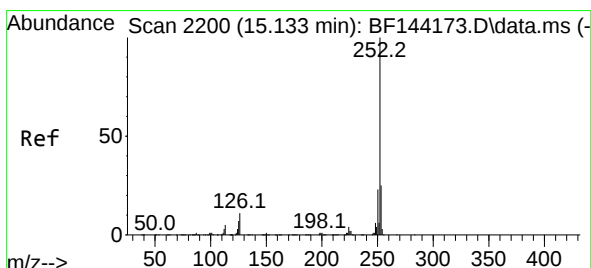
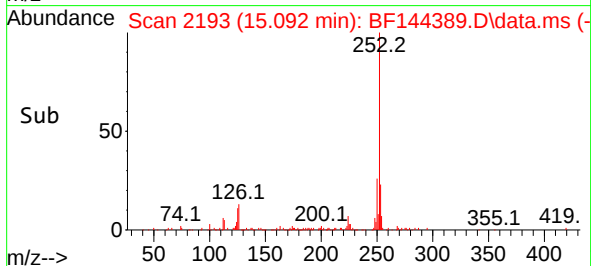
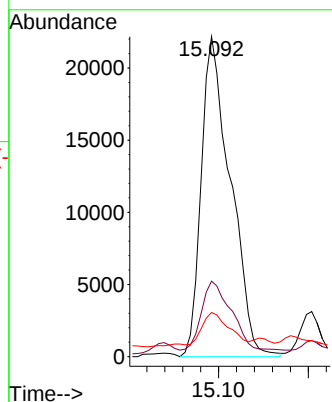
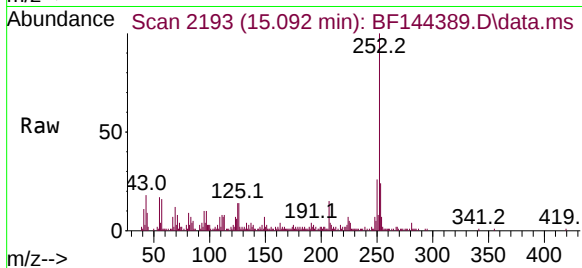
Acq: 01 Dec 2025 16:14

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252	Resp:	50178
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.4 26.2
125	13.8	5.3 7.9#



#89

Benzo(k)fluoranthene

Concen: 5.809 ng

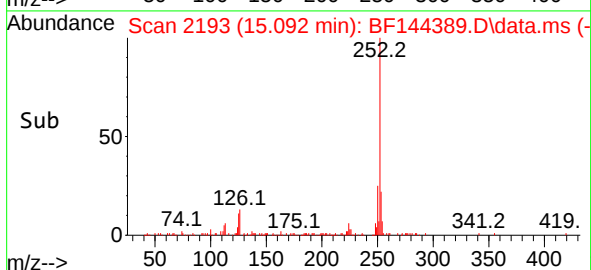
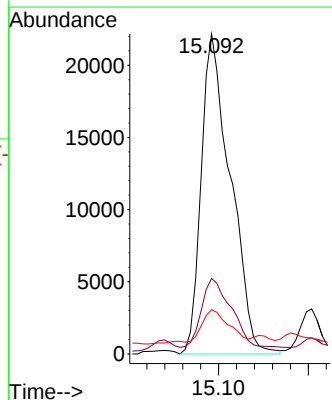
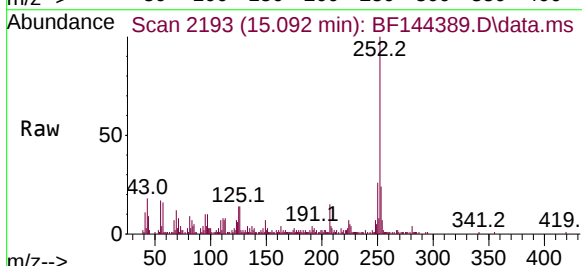
RT: 15.092 min Scan# 2193

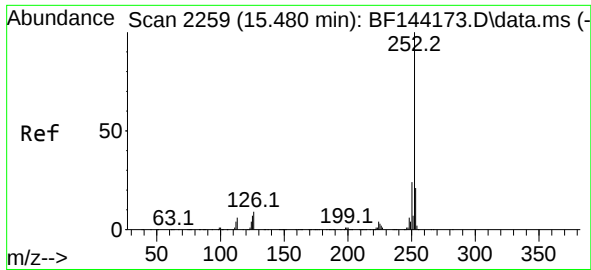
Delta R.T. -0.035 min

Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

Tgt Ion:252	Resp:	50178
Ion Ratio	Lower	Upper
252	100	
253	23.6	18.0 27.0
125	13.8	5.4 8.2#





#90

Benzo(a)pyrene

Concen: 2.658 ng

RT: 15.463 min Scan# 2256

Delta R.T. -0.012 min

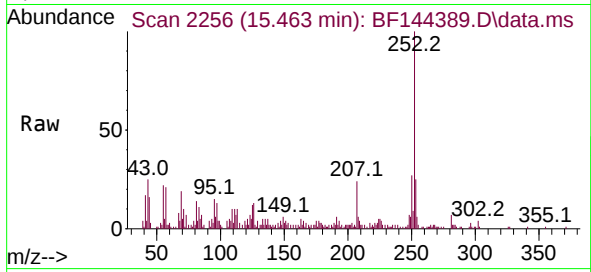
Lab File: BF144389.D

Acq: 01 Dec 2025 16:14

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 22631

Ion Ratio Lower Upper

252 100

253 25.4 16.7 25.1#

125 11.9 5.7 8.5#

