

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144387.D
 Acq On : 01 Dec 2025 15:15
 Operator : RC/JU
 Sample : Q3740-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 15:44:28 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)

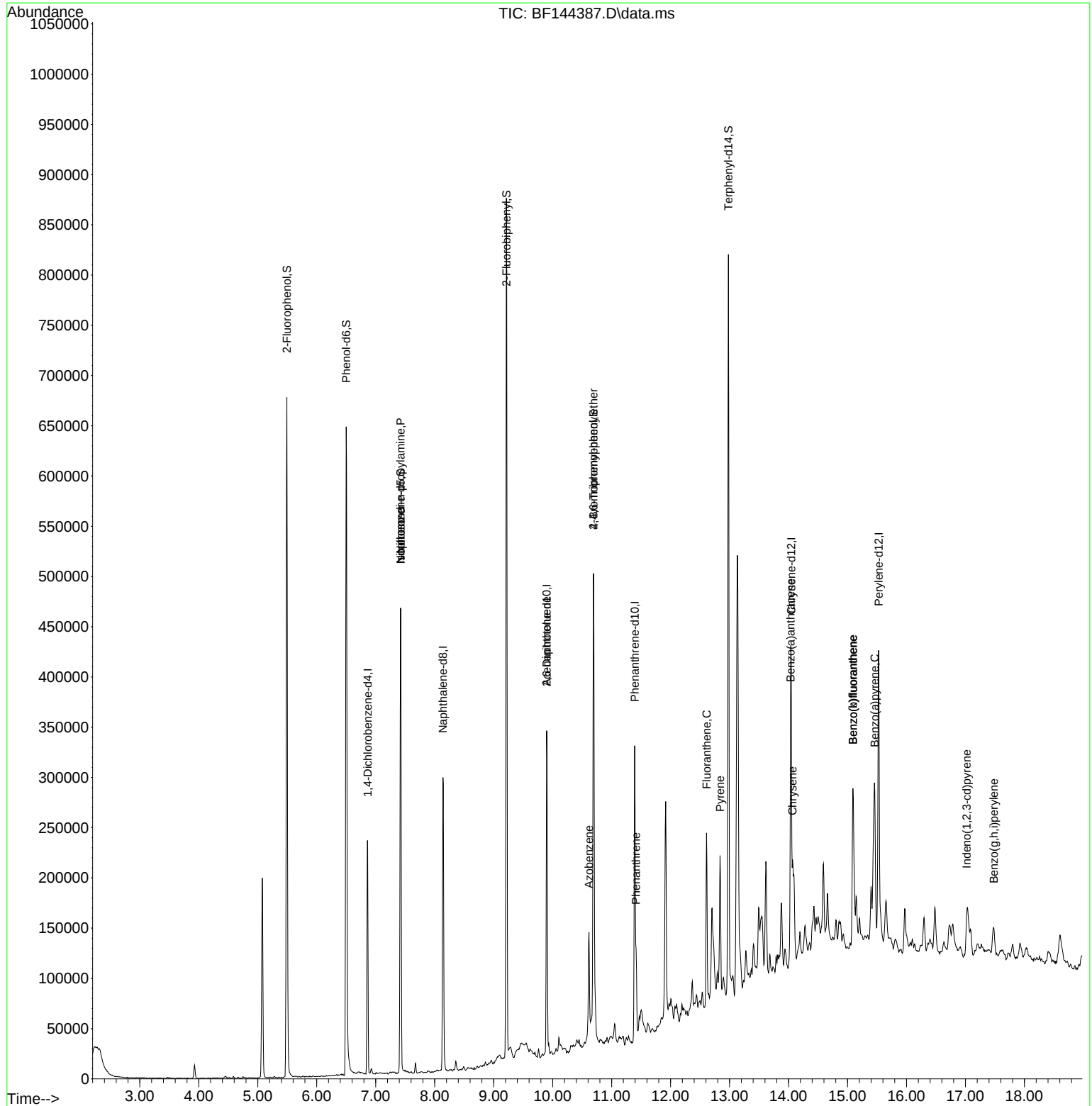
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	52921	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	191478	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	101201	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	153674	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	133822	20.000	ng	0.00
86) Perylene-d12	15.527	264	166729	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	276223	81.679	ng	0.00
7) Phenol-d6	6.499	99	316463	82.587	ng	0.00
23) Nitrobenzene-d5	7.422	82	193424	58.342	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	86521	68.129	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	402726	58.774	ng	-0.01
79) Terphenyl-d14	12.980	244	377864	44.851	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	26898	10.663	ng	# 77
25) Isophorone	7.422	82	193423	30.844	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	12491	9.204	ng	# 29
63) Azobenzene	10.616	77	22785	3.961	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4854	2.475	ng	# 1
71) Phenanthrene	11.416	178	46067	6.021	ng	100
75) Fluoranthene	12.610	202	91898	11.627	ng	96
78) Pyrene	12.839	202	85693	7.942	ng	98
81) Benzo(a)anthracene	14.033	228	62373	6.725	ng	96
83) Chrysene	14.069	228	49032	5.727	ng	95
87) Indeno(1,2,3-cd)pyrene	17.021	276	24629	2.058	ng	97
88) Benzo(b)fluoranthene	15.092	252	92337	9.741	ng	# 93
89) Benzo(k)fluoranthene	15.092	252	92337	10.407	ng	# 94
90) Benzo(a)pyrene	15.463	252	48613	5.559	ng	# 92
92) Benzo(g,h,i)perylene	17.480	276	19505	2.055	ng	# 87

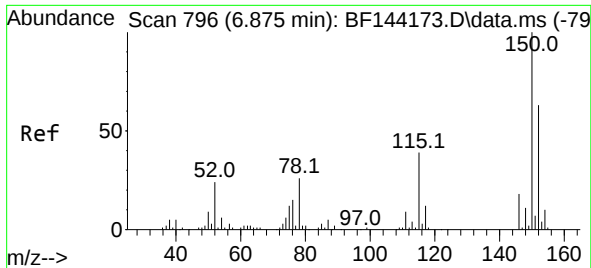
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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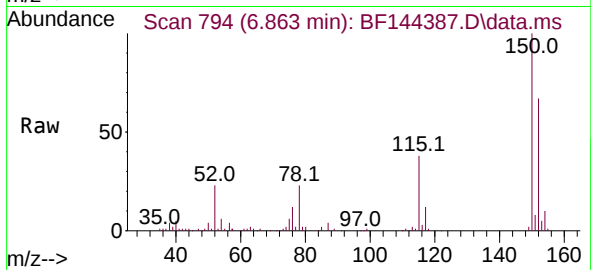
Quant Time: Dec 01 15:44:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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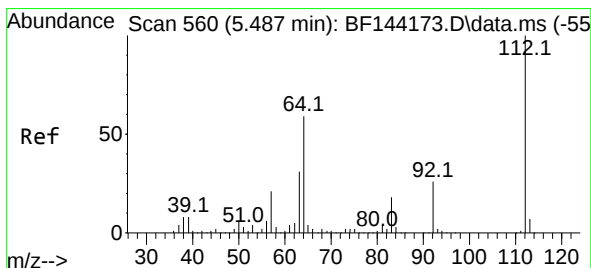
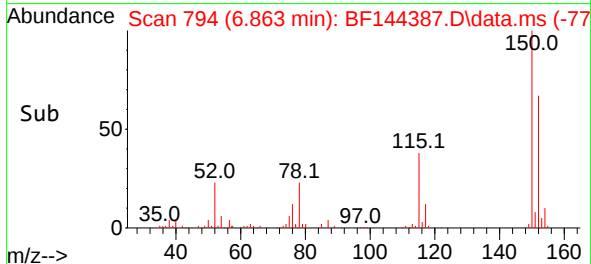
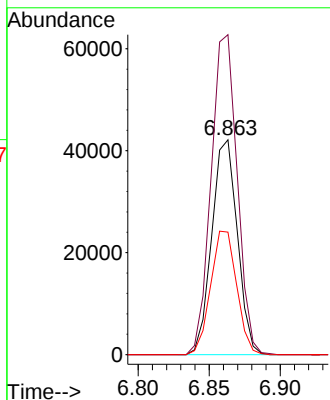


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

Instrument :
BNA_F
ClientSampleId :

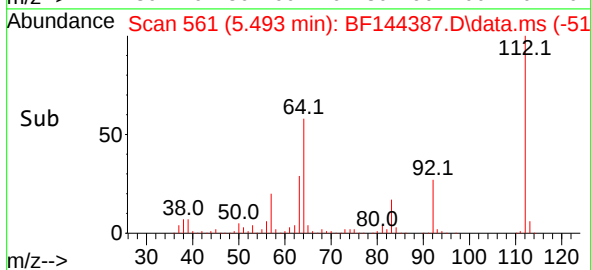
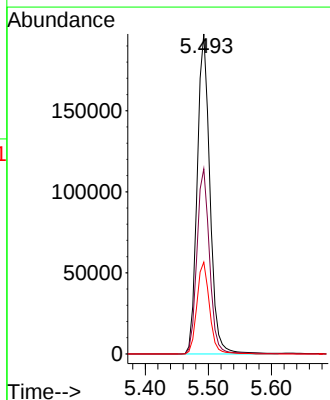
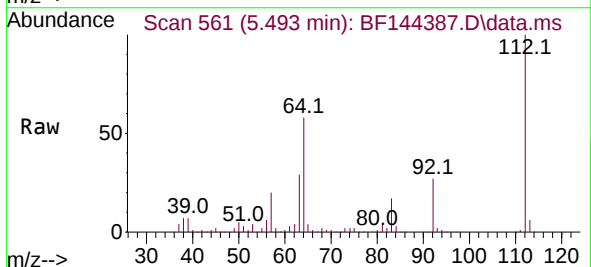


Tgt Ion:152 Resp: 52921
Ion Ratio Lower Upper
152 100
150 149.0 127.4 191.0
115 57.1 49.5 74.3



#5
2-Fluorophenol
Concen: 81.679 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

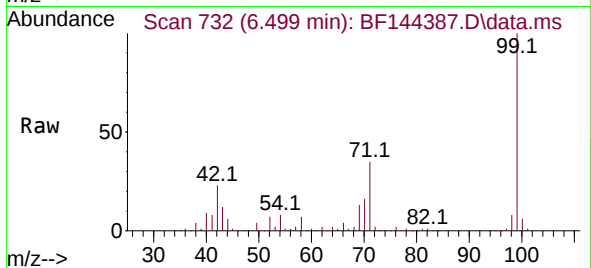
Tgt Ion:112 Resp: 276223
Ion Ratio Lower Upper
112 100
64 57.8 47.2 70.8
63 28.7 24.4 36.6



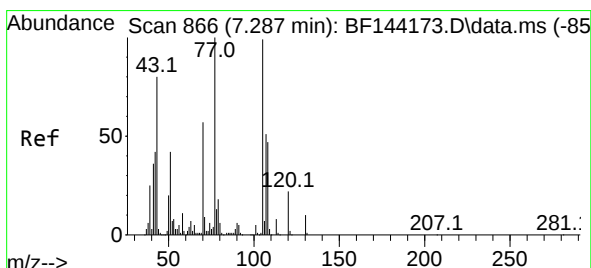
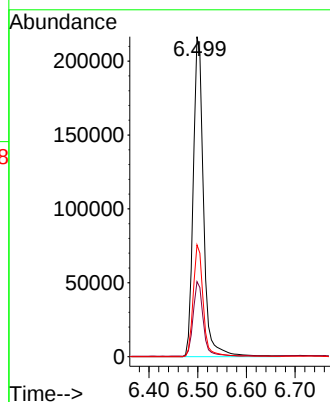
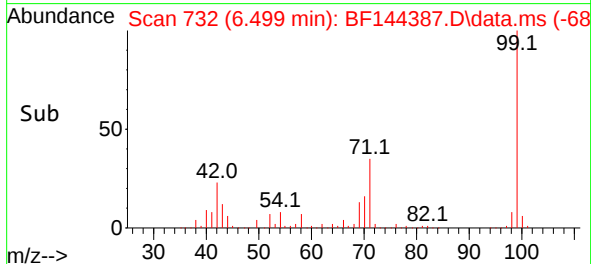


#7
Phenol-d6
Concen: 82.587 ng
RT: 6.499 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

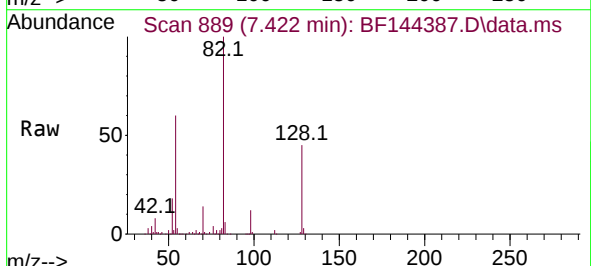
Instrument :
BNA_F
ClientSampleId :



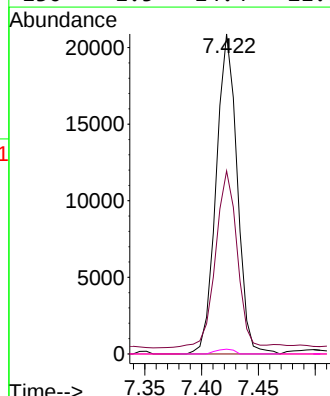
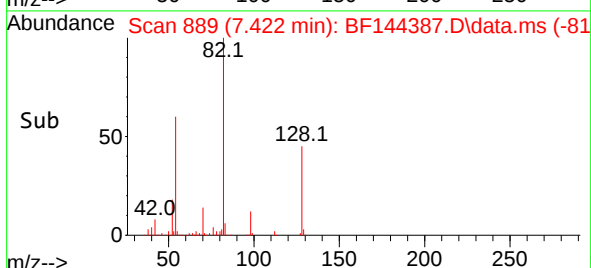
Tgt Ion: 99 Resp: 316463
Ion Ratio Lower Upper
99 100
42 23.4 20.9 31.3
71 34.9 31.4 47.2

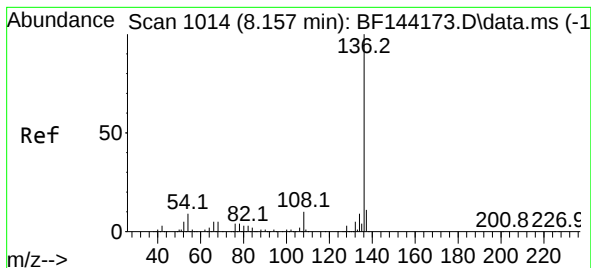


#19
n-Nitroso-di-n-propylamine
Concen: 10.663 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15



Tgt Ion: 70 Resp: 26898
Ion Ratio Lower Upper
70 100
42 57.2 58.3 87.5#
101 0.0 7.0 10.6#
130 1.5 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.140 min Scan# 10

Delta R.T. -0.018 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 191478

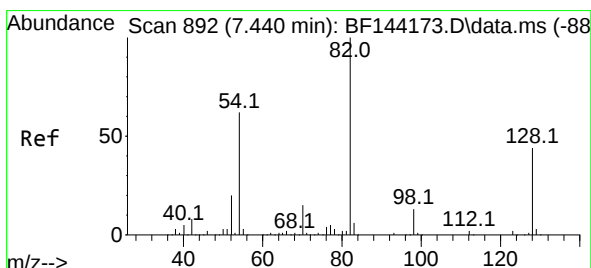
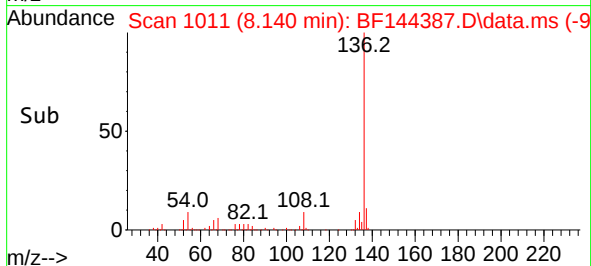
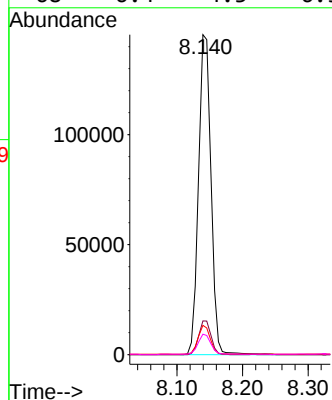
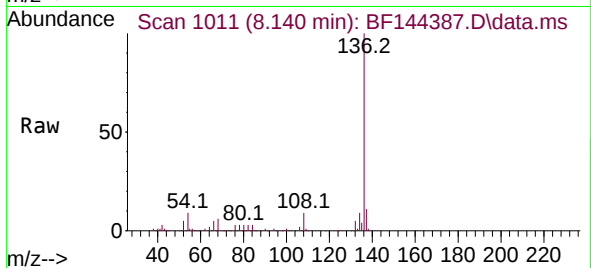
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 9.1 7.0 10.6

68 6.4 4.3 6.5



#23

Nitrobenzene-d5

Concen: 58.342 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

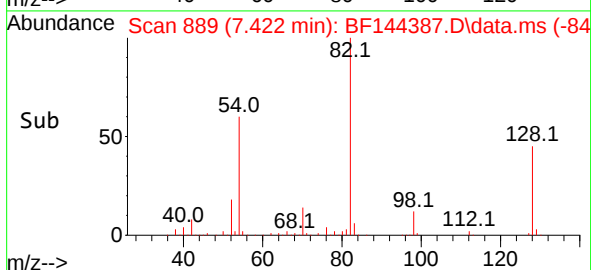
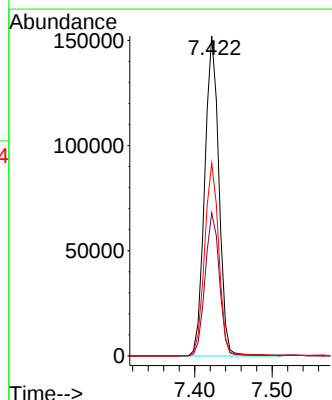
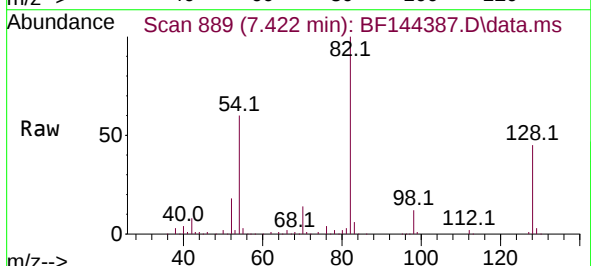
Tgt Ion: 82 Resp: 193424

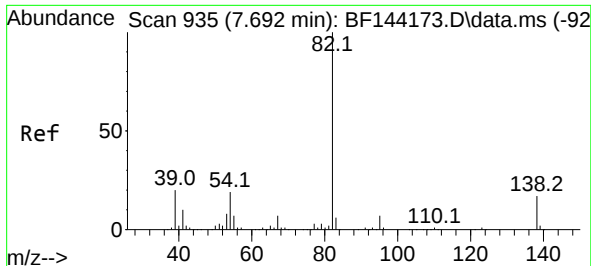
Ion Ratio Lower Upper

82 100

128 44.7 34.7 52.1

54 60.2 49.5 74.3

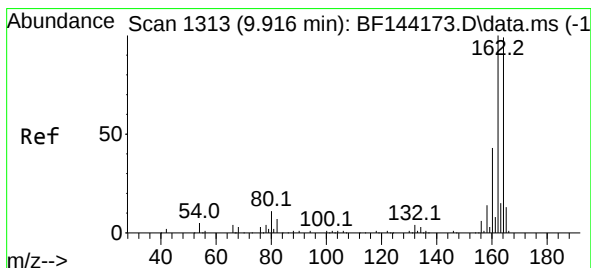
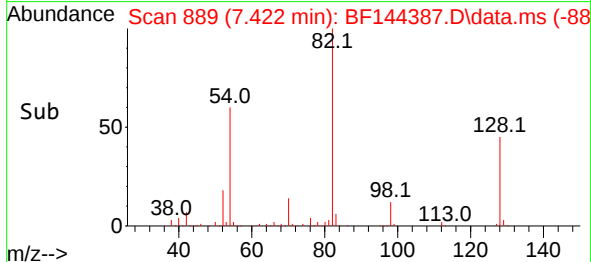
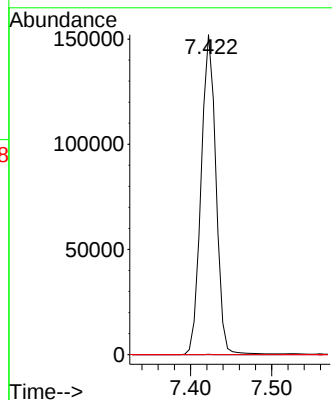
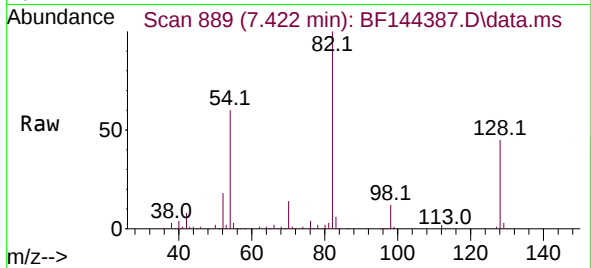




#25
Isophorone
Concen: 30.844 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

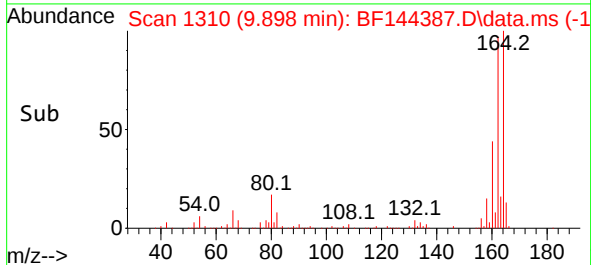
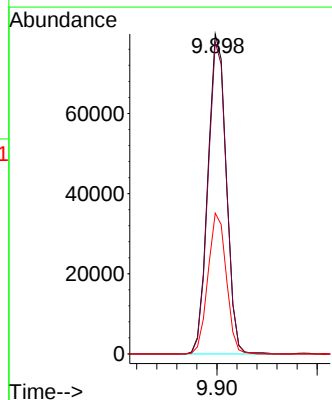
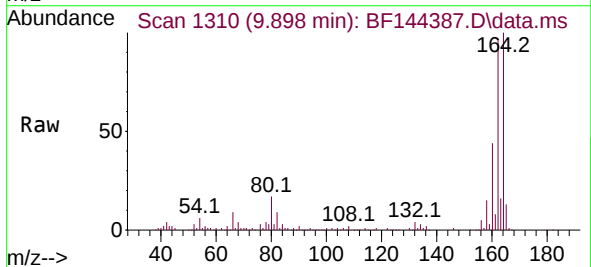
Instrument :
BNA_F
ClientSampleId :

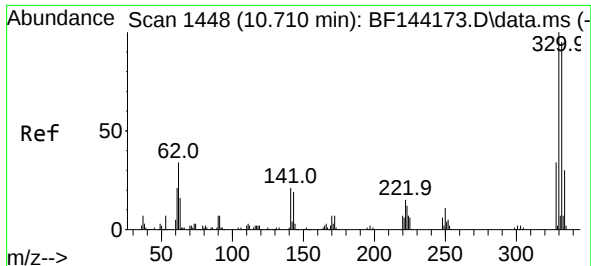
Tgt Ion: 82 Resp: 193423
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

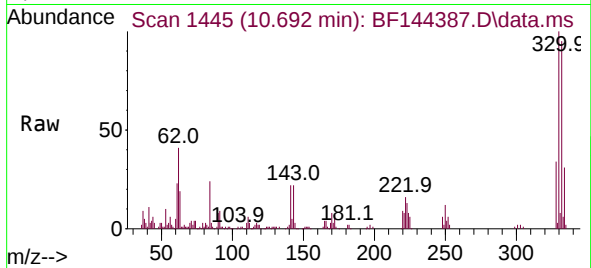
Tgt Ion:164 Resp: 101201
Ion Ratio Lower Upper
164 100
162 97.5 81.1 121.7
160 44.0 34.5 51.7



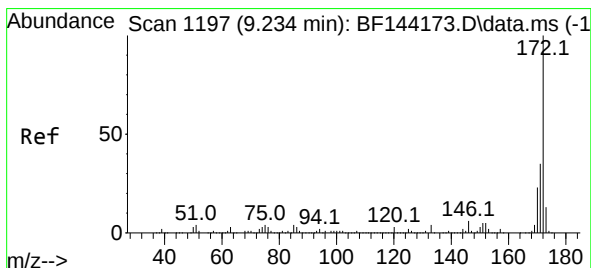
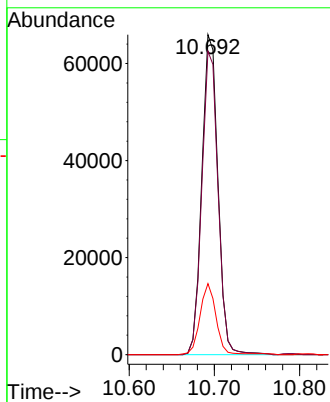
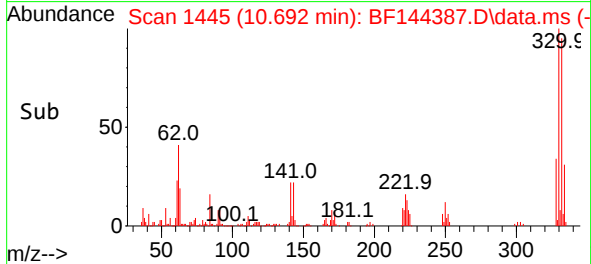


#42
2,4,6-Tribromophenol
Concen: 68.129 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

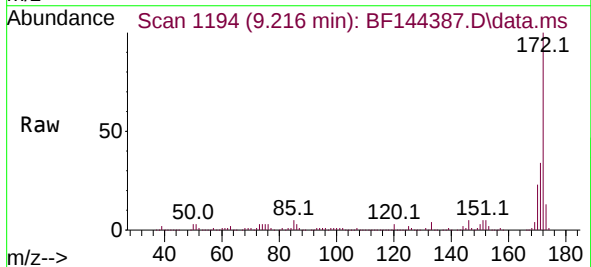
Instrument :
BNA_F
ClientSampleId :



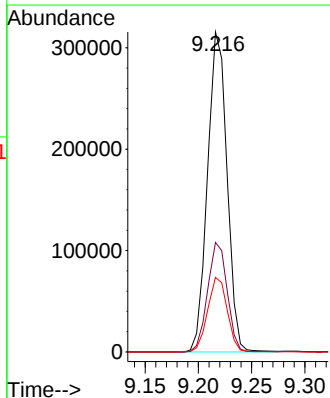
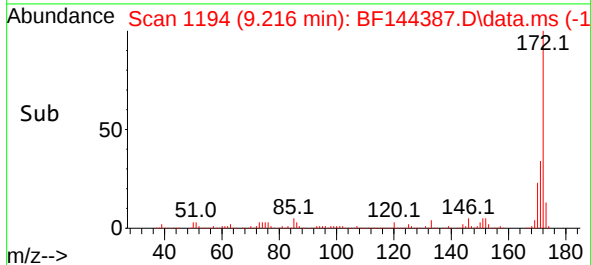
Tgt Ion:330 Resp: 86521
Ion Ratio Lower Upper
330 100
332 95.4 76.7 115.1
141 22.3 17.8 26.8

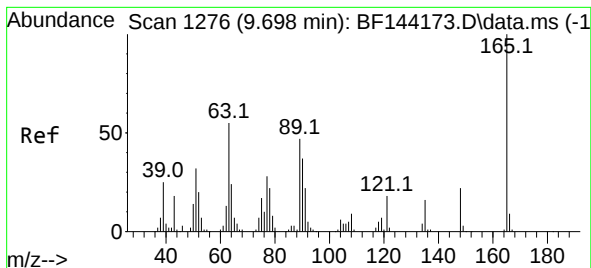


#45
2-Fluorobiphenyl
Concen: 58.774 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15



Tgt Ion:172 Resp: 402726
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 23.3 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.204 ng

RT: 9.898 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF144387.D

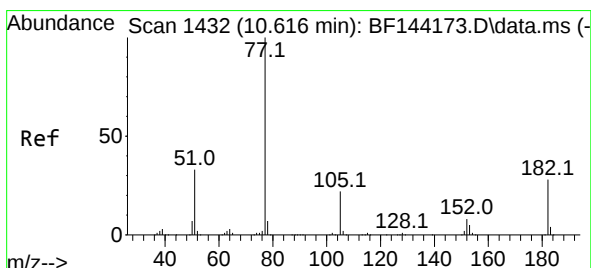
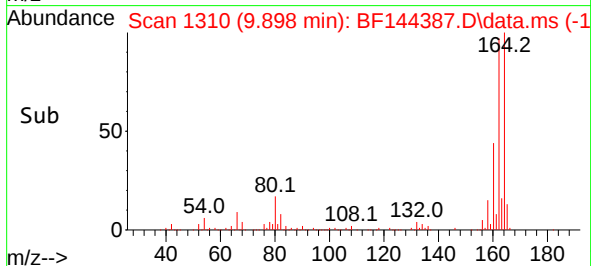
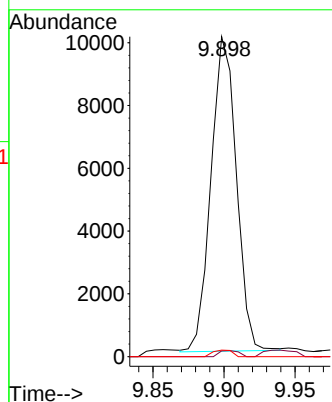
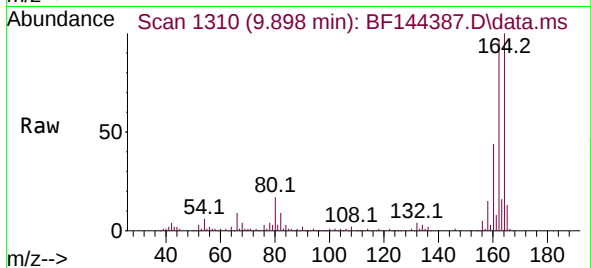
Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:165	Resp:	12491
Ion Ratio	Lower	Upper
165	100	
63	1.8	43.8 65.8#
89	2.0	37.5 56.3#



#63

Azobenzene

Concen: 3.961 ng

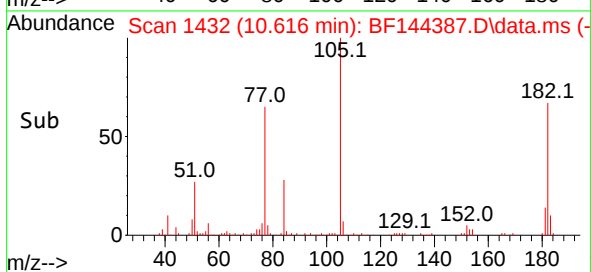
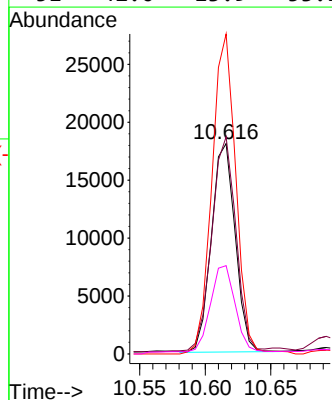
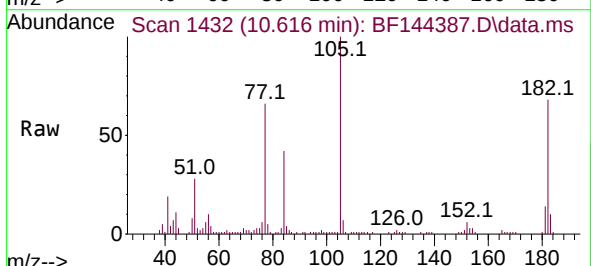
RT: 10.616 min Scan# 1432

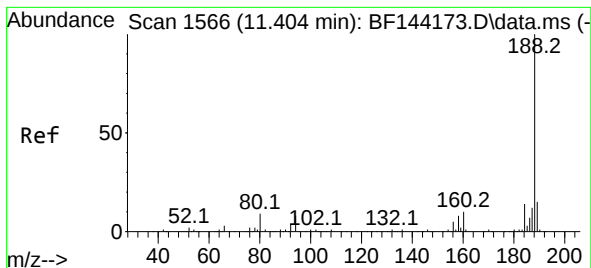
Delta R.T. 0.000 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Tgt Ion: 77	Resp:	22785
Ion Ratio	Lower	Upper
77	100	
182	103.2	8.1 48.1#
105	152.2	2.0 42.0#
51	42.0	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: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

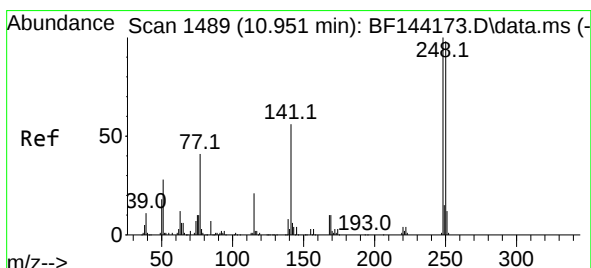
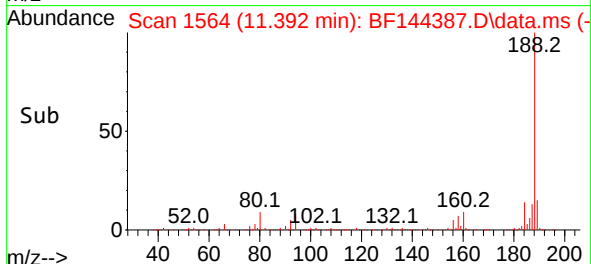
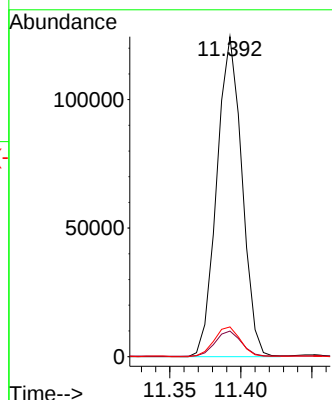
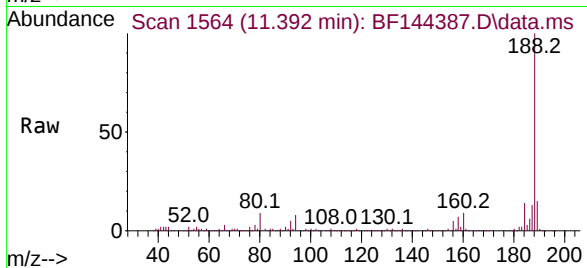
Tgt Ion:188 Resp: 153674

Ion Ratio Lower Upper

188 100

94 8.0 6.2 9.2

80 9.3 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.475 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

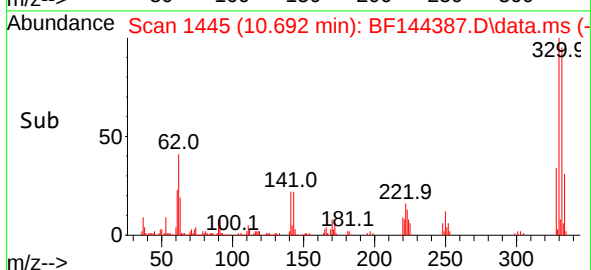
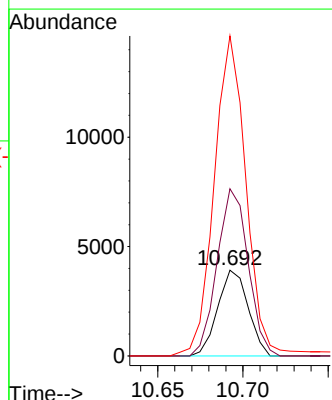
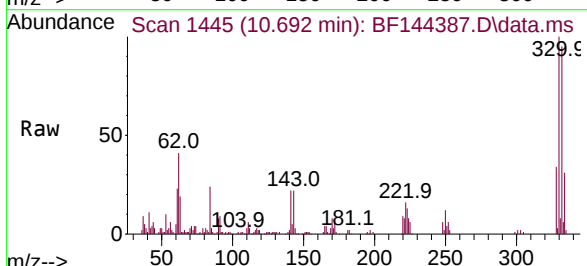
Tgt Ion:248 Resp: 4854

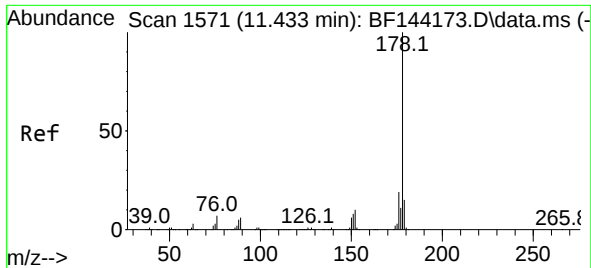
Ion Ratio Lower Upper

248 100

250 195.1 78.4 117.6#

141 373.7 45.1 67.7#

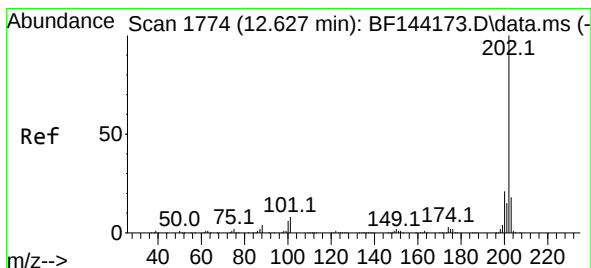
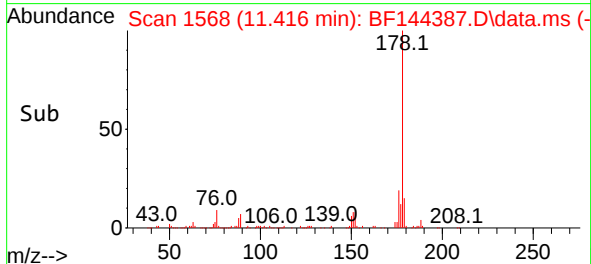
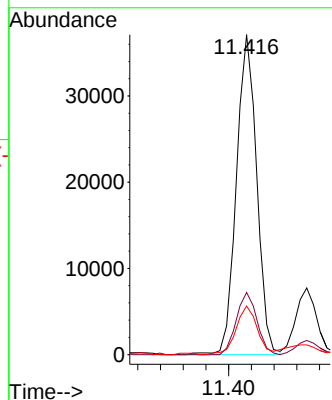
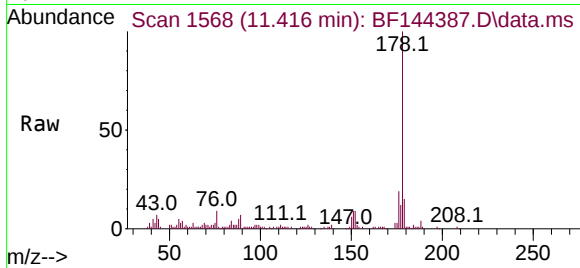




#71
Phenanthrene
Concen: 6.021 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

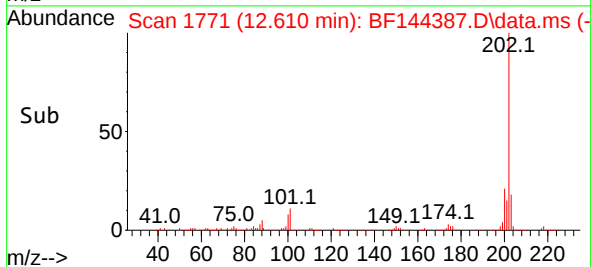
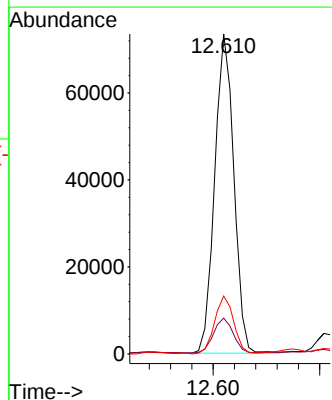
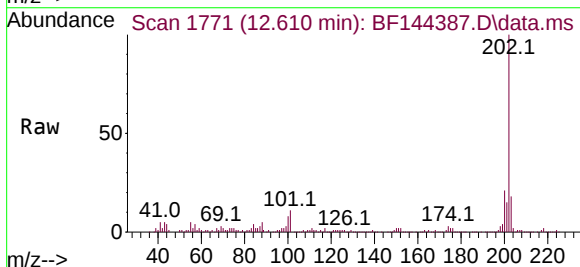
Instrument :
BNA_F
ClientSampleId :

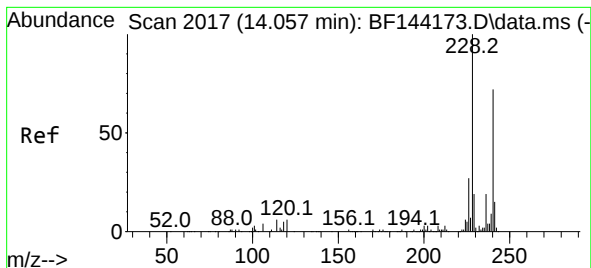
Tgt Ion:178 Resp: 46067
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.2 18.4



#75
Fluoranthene
Concen: 11.627 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

Tgt Ion:202 Resp: 91898
Ion Ratio Lower Upper
202 100
101 11.2 0.0 27.9
203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

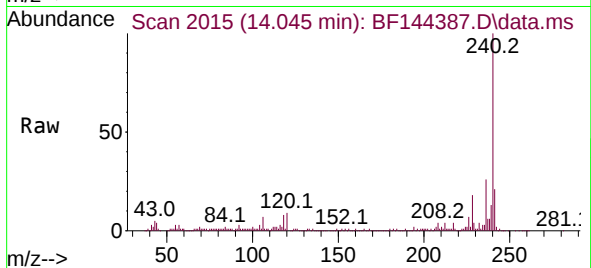
Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :



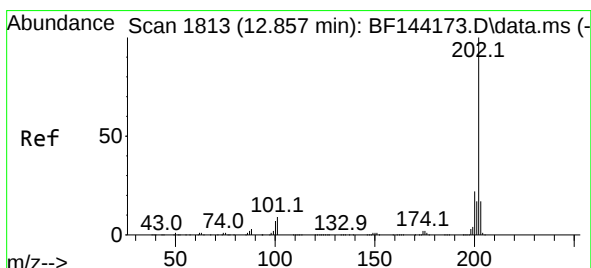
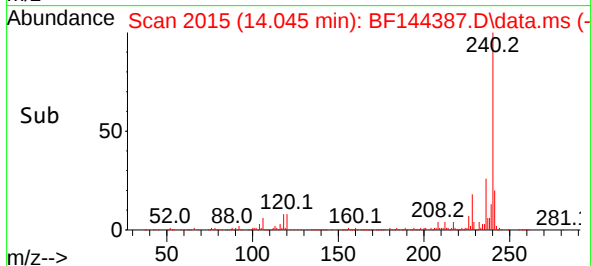
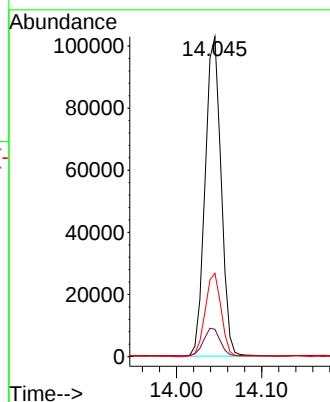
Tgt Ion:240 Resp: 133822

Ion Ratio Lower Upper

240 100

120 8.5 6.6 10.0

236 26.1 21.4 32.2



#78

Pyrene

Concen: 7.942 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

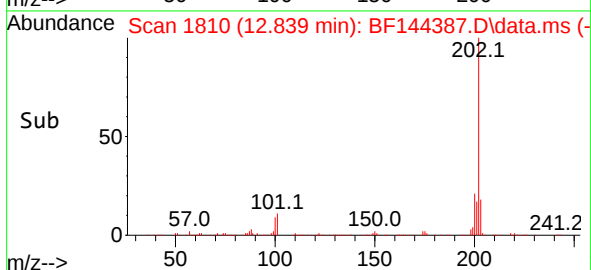
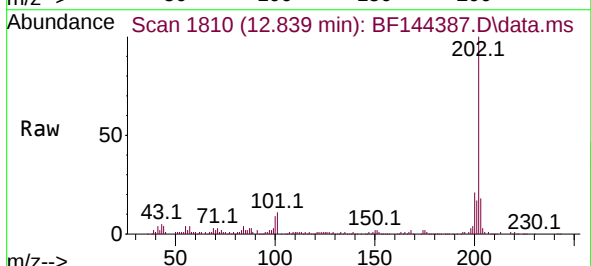
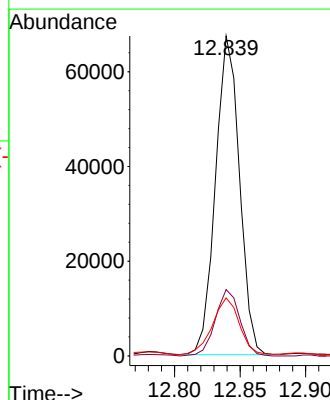
Tgt Ion:202 Resp: 85693

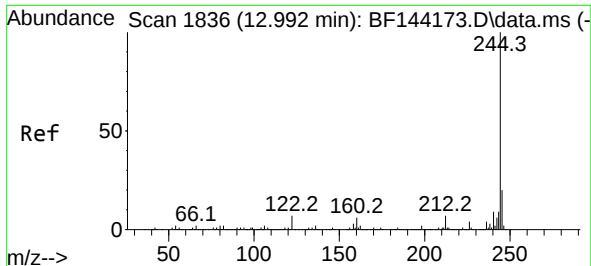
Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

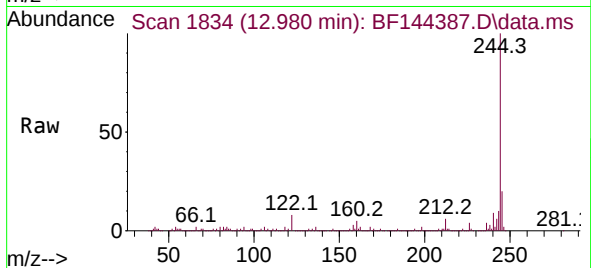
203 18.1 13.7 20.5



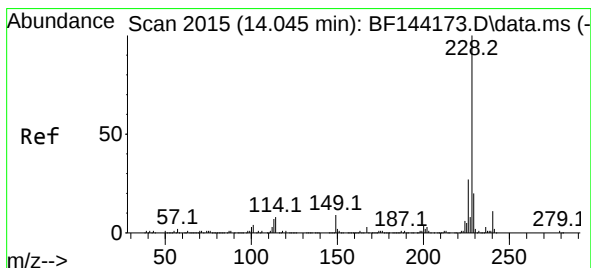
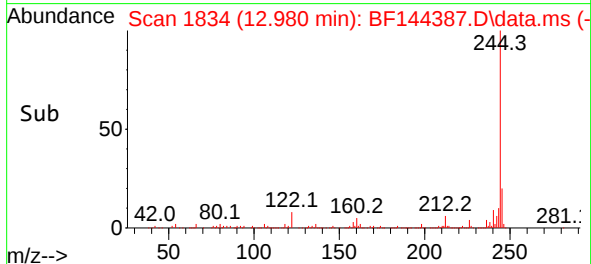
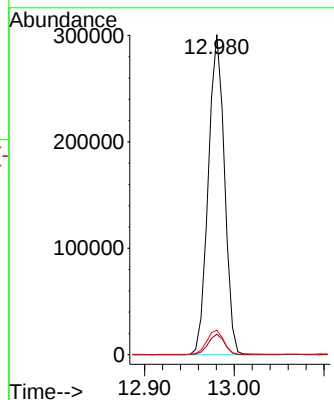


#79
 Terphenyl-d14
 Concen: 44.851 ng
 RT: 12.980 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF144387.D
 Acq: 01 Dec 2025 15:15

Instrument :
 BNA_F
 ClientSampleId :

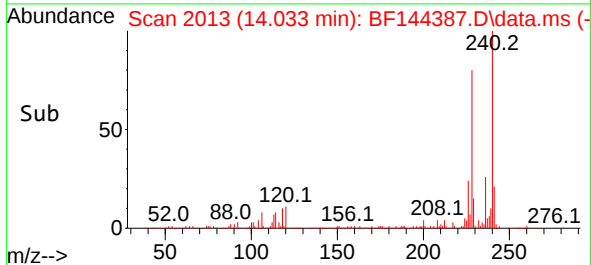
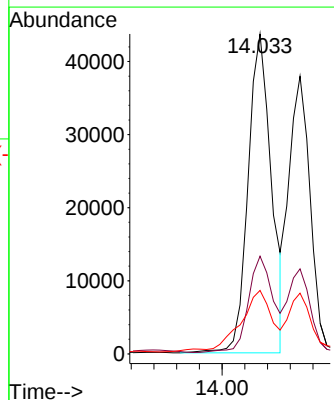
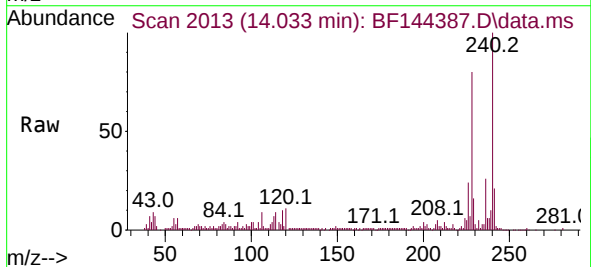


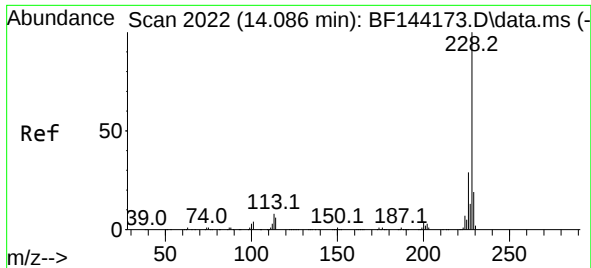
Tgt Ion:244 Resp: 377864
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 7.6 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 6.725 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144387.D
 Acq: 01 Dec 2025 15:15

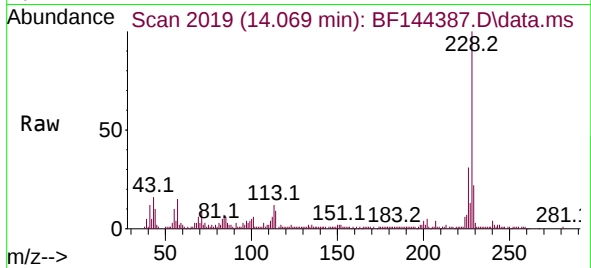
Tgt Ion:228 Resp: 62373
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.8
 229 19.8 15.8 23.6



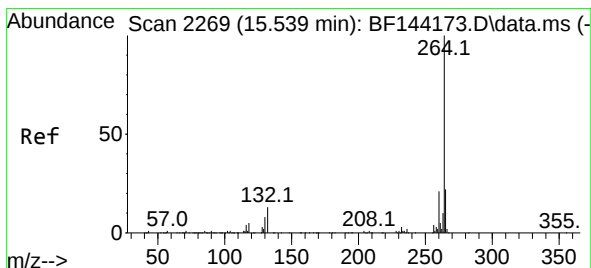
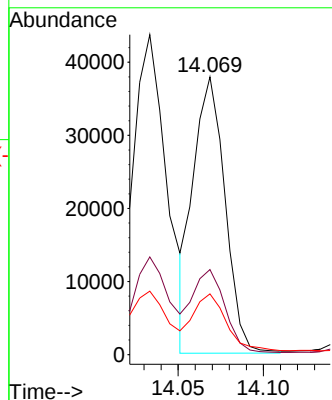
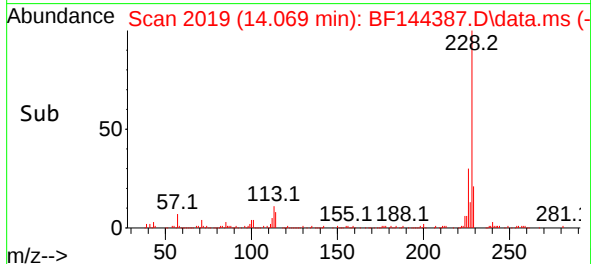


#83
Chrysene
Concen: 5.727 ng
RT: 14.069 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

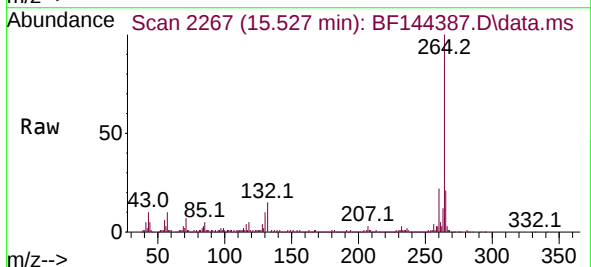
Instrument :
BNA_F
ClientSampleId :



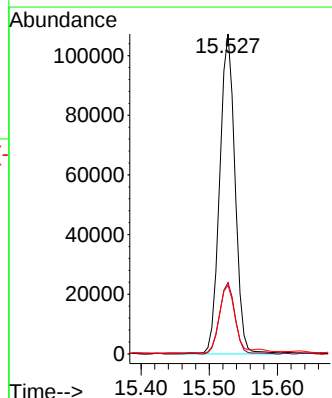
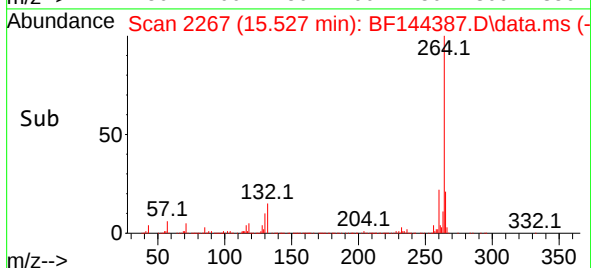
Tgt Ion:228 Resp: 49032
Ion Ratio Lower Upper
228 100
226 30.6 22.9 34.3
229 21.9 15.0 22.6

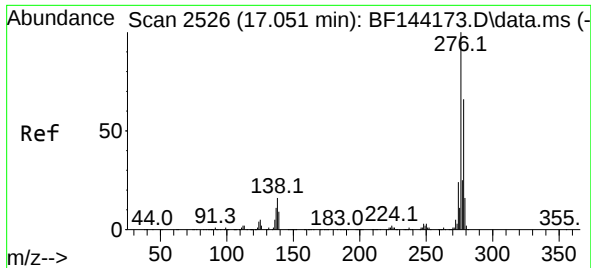


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15



Tgt Ion:264 Resp: 166729
Ion Ratio Lower Upper
264 100
260 22.3 17.1 25.7
265 21.4 17.4 26.0

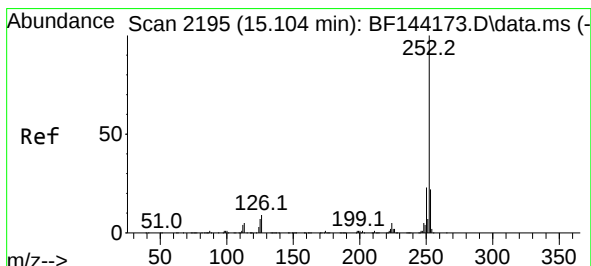
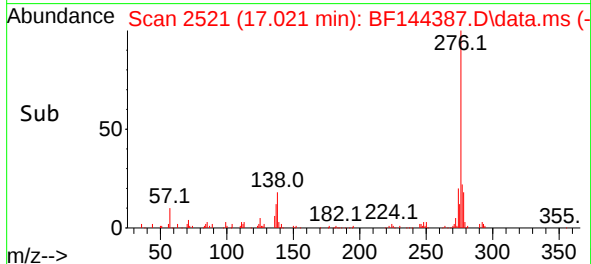
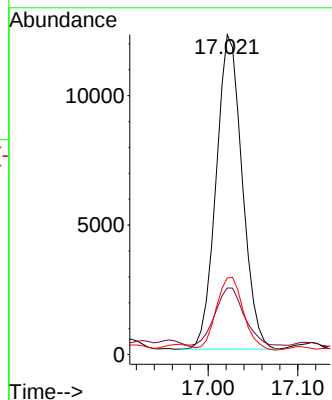
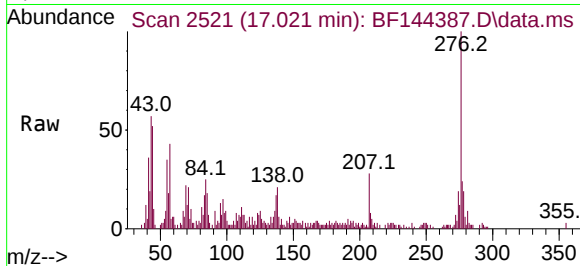




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.058 ng
 RT: 17.021 min Scan# 2193
 Delta R.T. -0.012 min
 Lab File: BF144387.D
 Acq: 01 Dec 2025 15:15

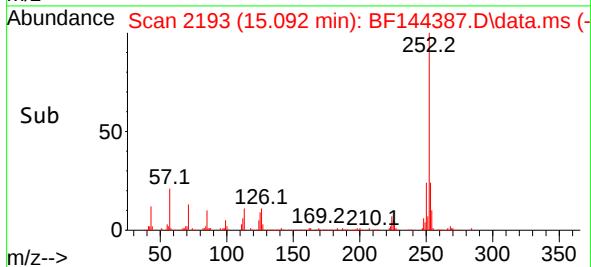
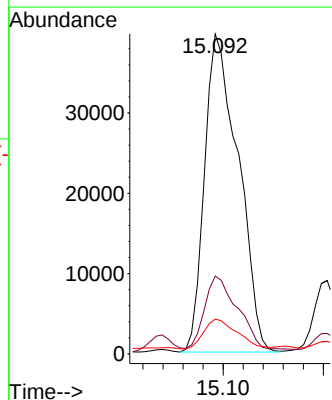
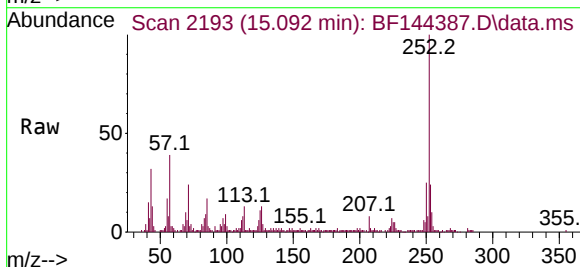
Instrument :
 BNA_F
 ClientSampleId :

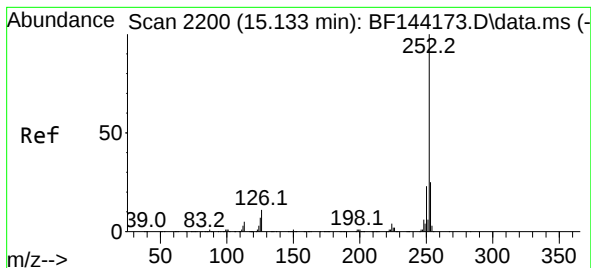
Tgt Ion:	276	Resp:	24629
Ion Ratio	Lower	Upper	
276	100		
138	20.2	13.9	20.9
277	24.0	19.8	29.6



#88
 Benzo(b)fluoranthene
 Concen: 9.741 ng
 RT: 15.092 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF144387.D
 Acq: 01 Dec 2025 15:15

Tgt Ion:	252	Resp:	92337
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.4	26.2
125	10.9	5.3	7.9#





#89

Benzo(k)fluoranthene

Concen: 10.407 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

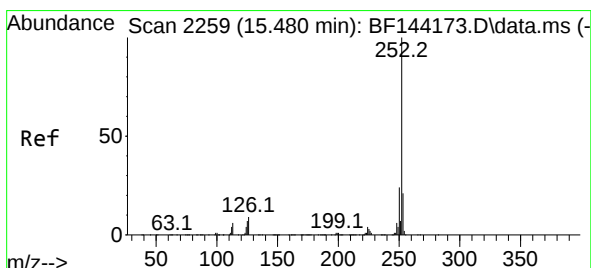
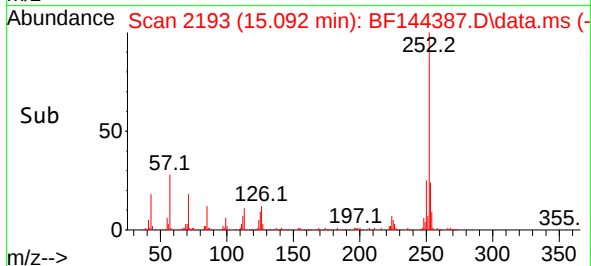
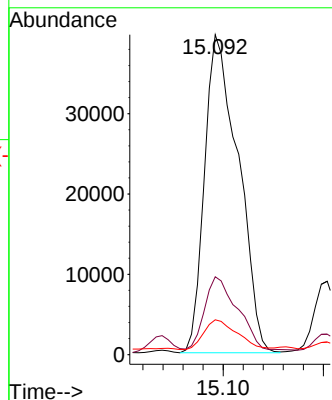
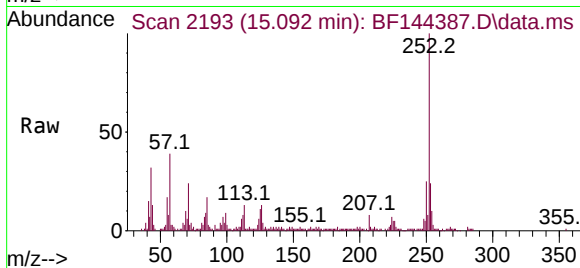
Tgt Ion:252 Resp: 92337

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 10.9 5.4 8.2#



#90

Benzo(a)pyrene

Concen: 5.559 ng

RT: 15.463 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

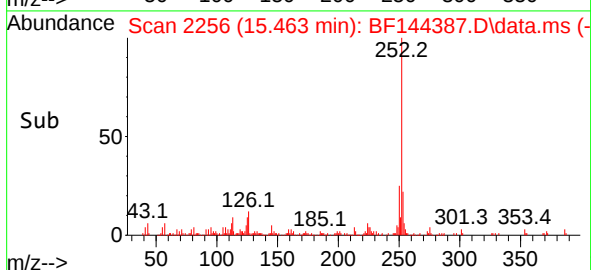
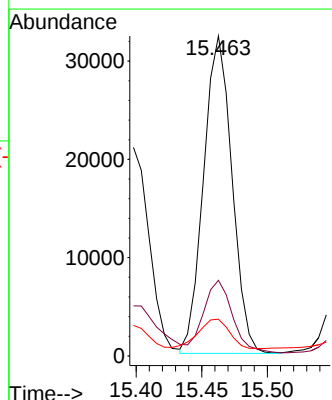
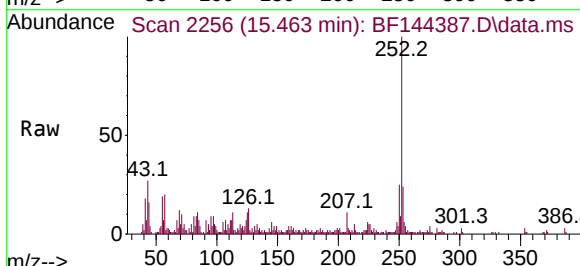
Tgt Ion:252 Resp: 48613

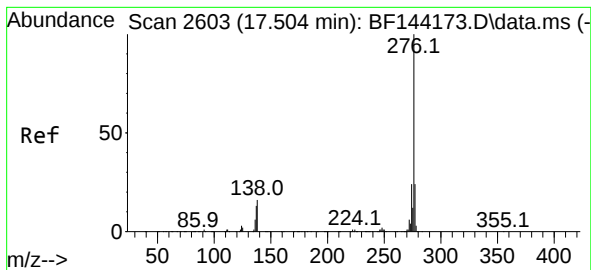
Ion Ratio Lower Upper

252 100

253 23.6 16.7 25.1

125 11.5 5.7 8.5#





#92

Benzo(g,h,i)perylene

Concen: 2.055 ng

RT: 17.480 min Scan# 21

Delta R.T. -0.012 min

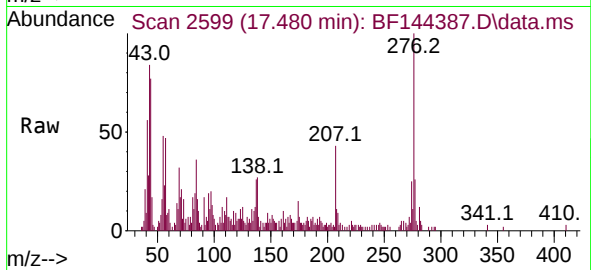
Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 19505

Ion Ratio Lower Upper

276 100

277 25.8 19.0 28.4

138 26.8 12.9 19.3#

