

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 :
 WC1

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)

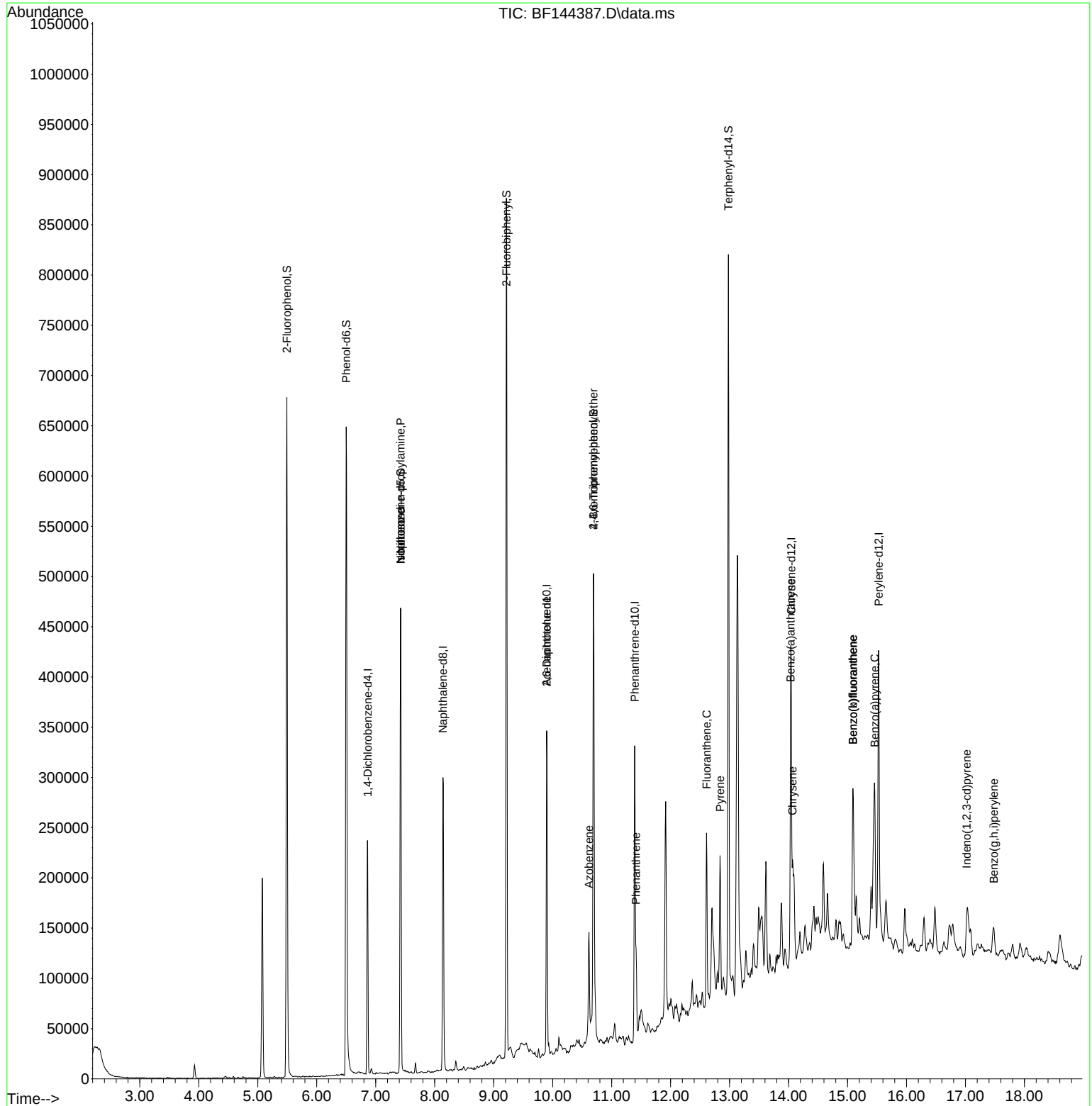
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	52921	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	191478	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	101201	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	153674	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	133822	20.000	ng	0.00
86) Perylene-d12	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

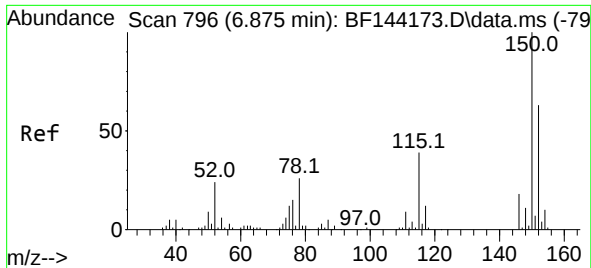
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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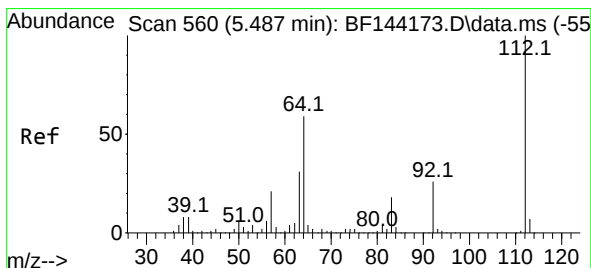
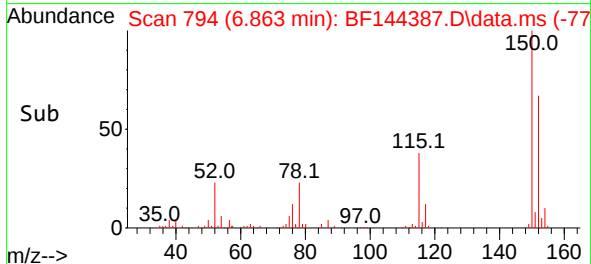
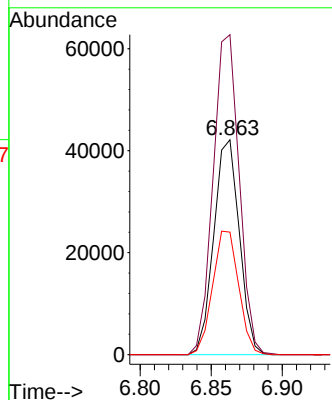
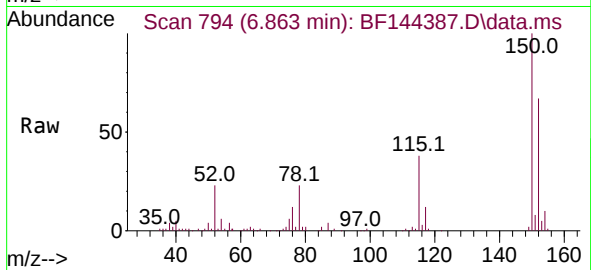




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

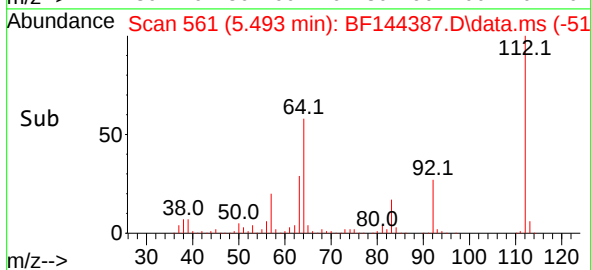
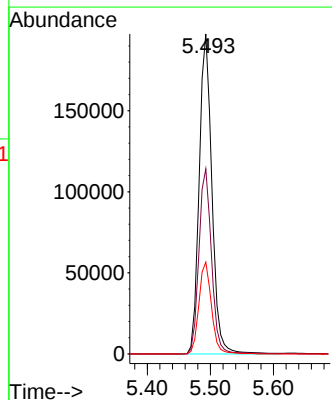
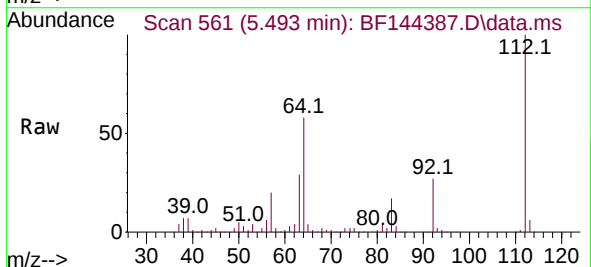
Instrument :
BNA_F
ClientSampleId :
WC1

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

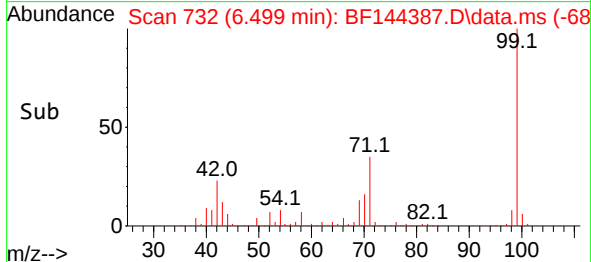
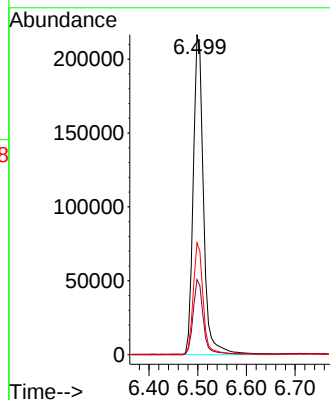
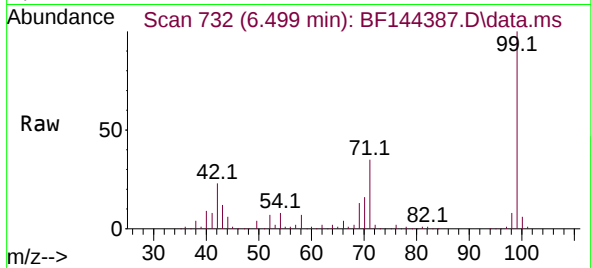




#7
Phenol-d6
Concen: 82.587 ng
RT: 6.499 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

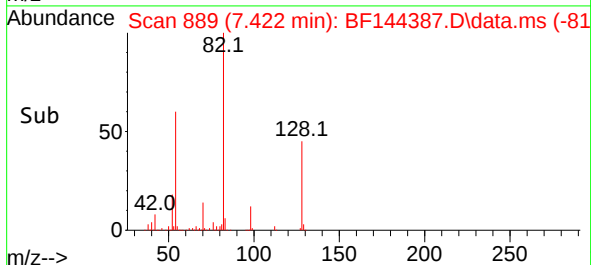
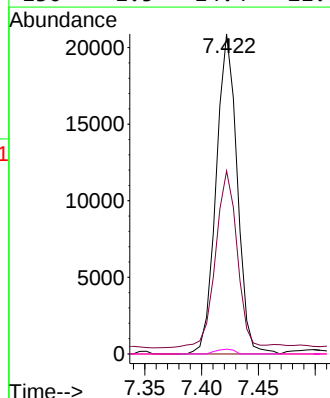
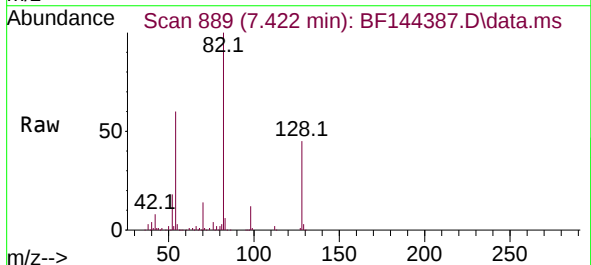
Instrument :
BNA_F
ClientSampleId :
WC1

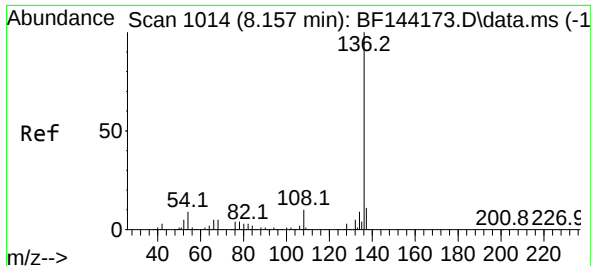
Tgt Ion: 99 Resp: 316463
Ion Ratio Lower Upper
99 100
42 23.4 20.9 31.3
71 34.9 31.4 47.2



#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#

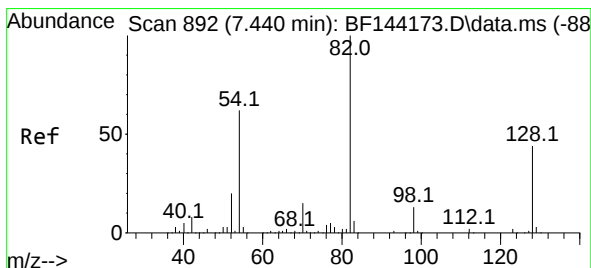
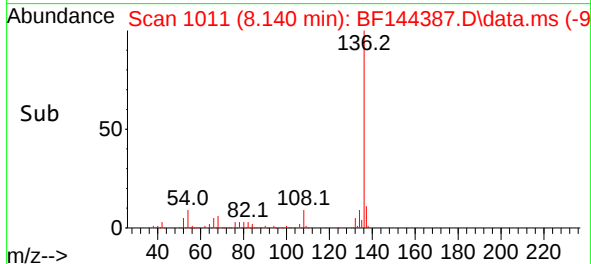
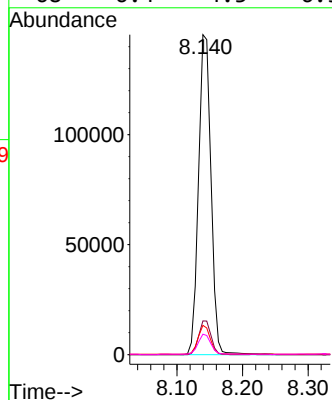
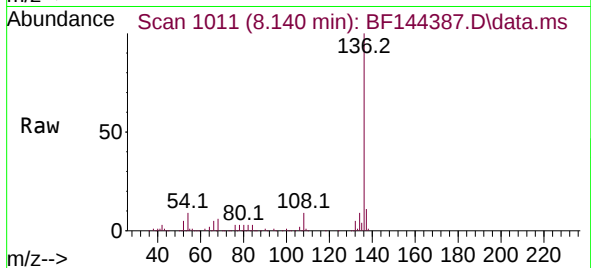




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1014
Delta R.T. -0.018 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

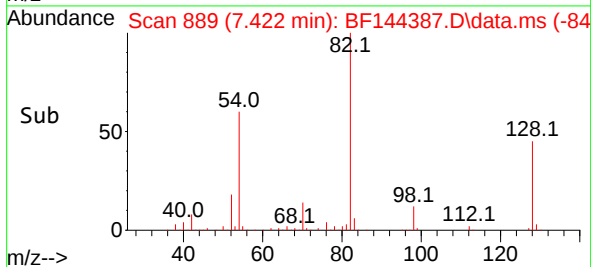
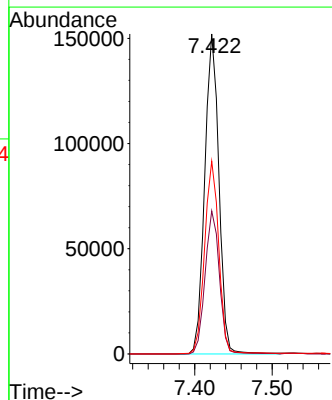
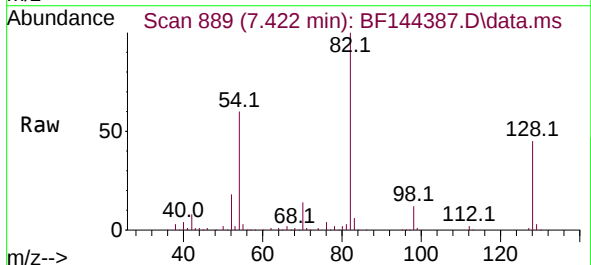
Instrument :
BNA_F
ClientSampleId :
WC1

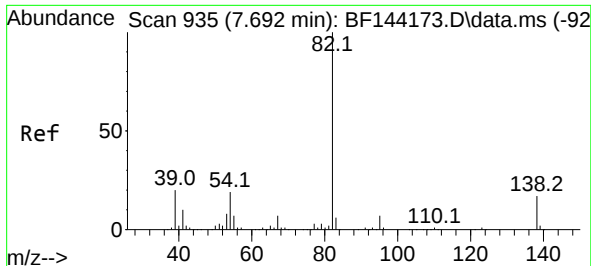
Tgt Ion:	136	Resp:	191478
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	9.1	7.0	10.6
68	6.4	4.3	6.5



#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

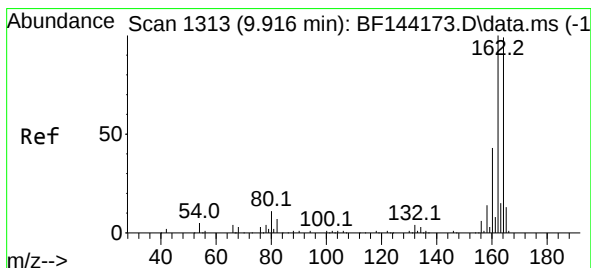
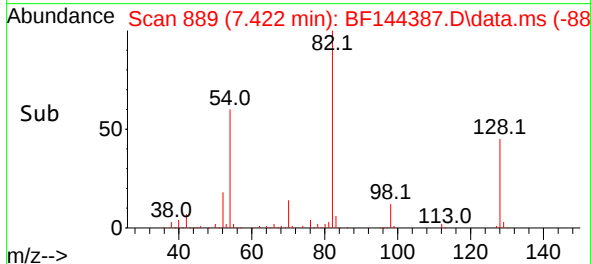
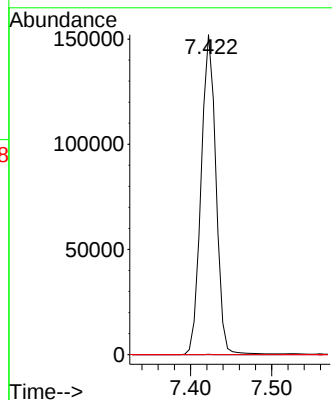
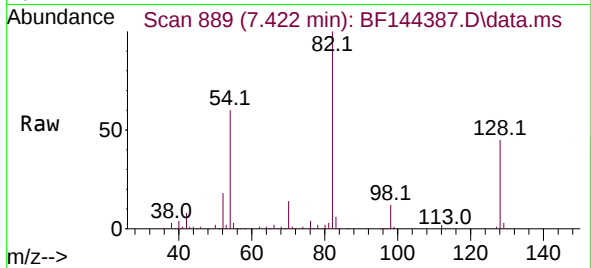




#25
Isophorone
Concen: 30.844 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

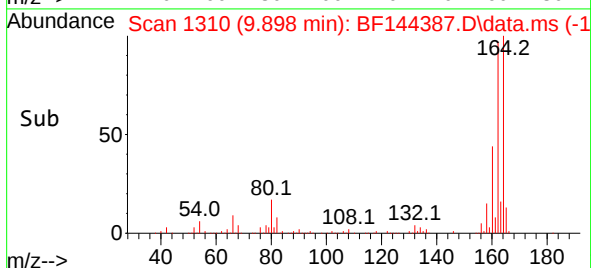
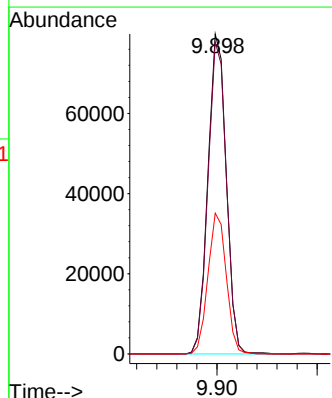
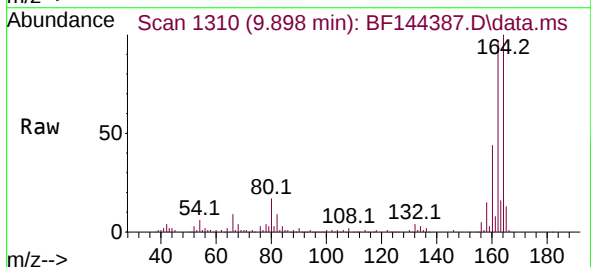
Instrument :
BNA_F
ClientSampleId :
WC1

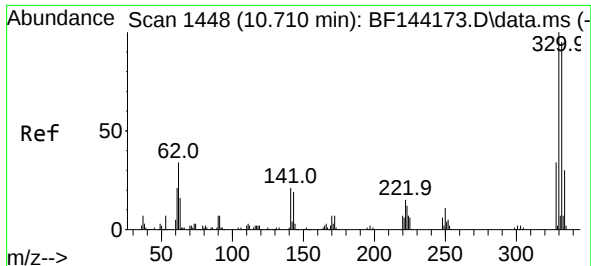
Tgt Ion: 82 Resp: 193423
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.7 20.5#



#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 :

WC1

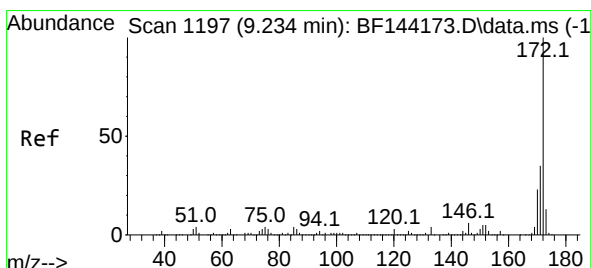
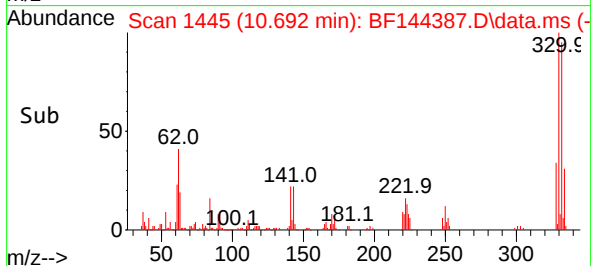
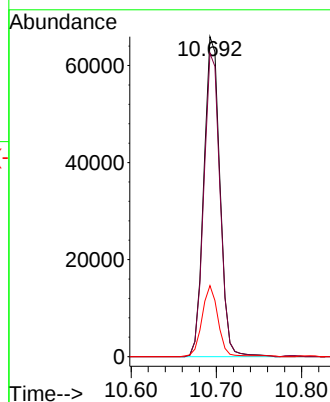
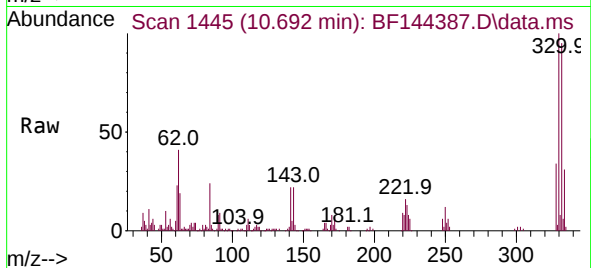
Tgt Ion:330 Resp: 86521

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

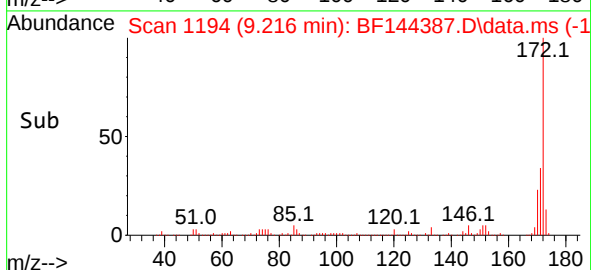
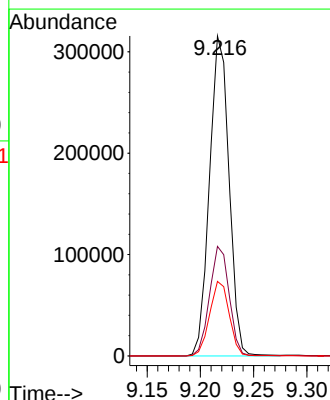
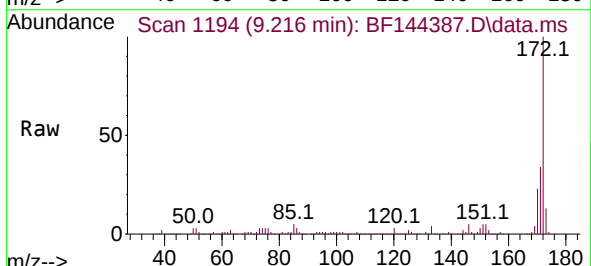
Tgt Ion:172 Resp: 402726

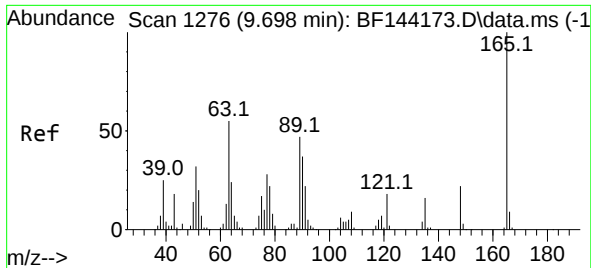
Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 23.3 18.6 28.0

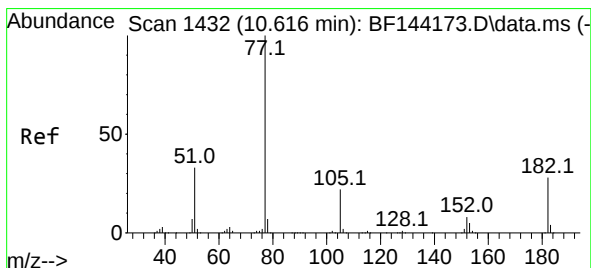
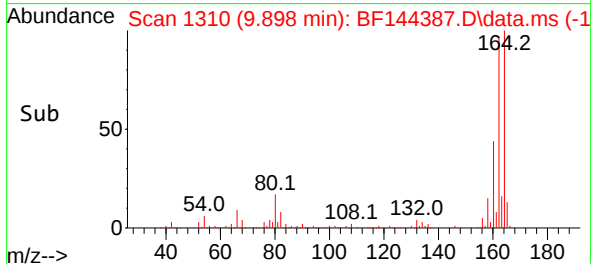
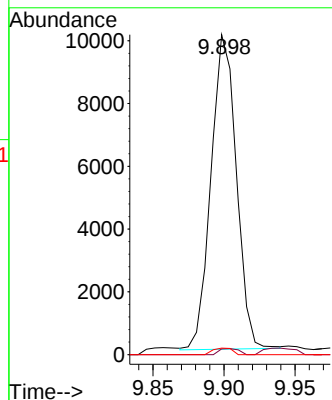
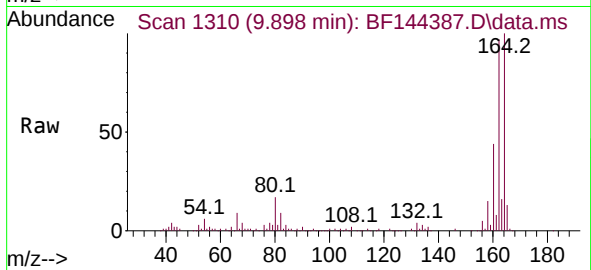




#51
2,6-Dinitrotoluene
Concen: 9.204 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

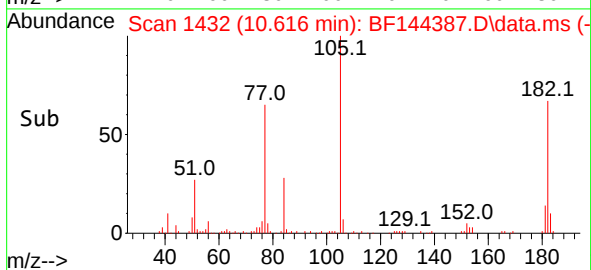
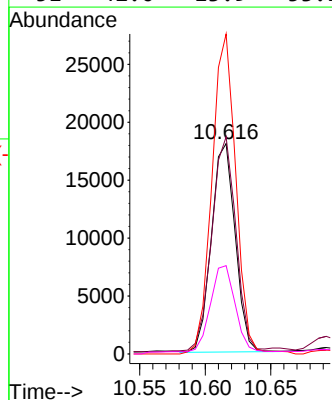
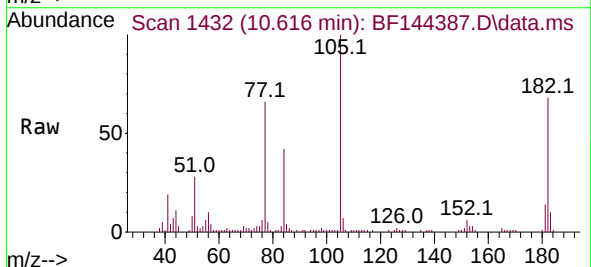
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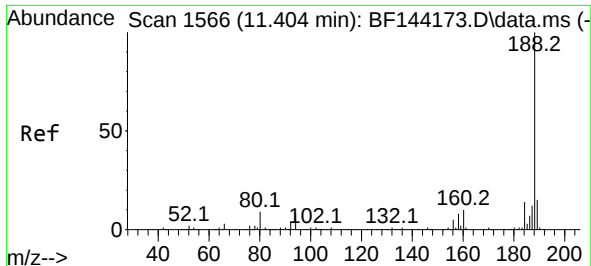
Tgt Ion:165 Resp: 12491
Ion Ratio Lower Upper
165 100
63 1.8 43.8 65.8#
89 2.0 37.5 56.3#



#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

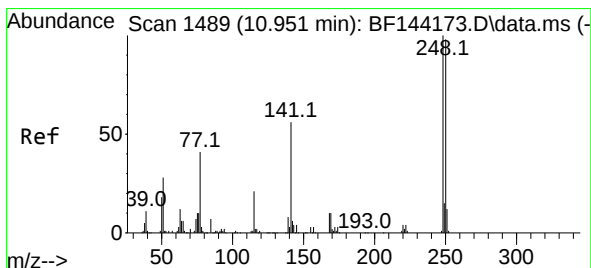
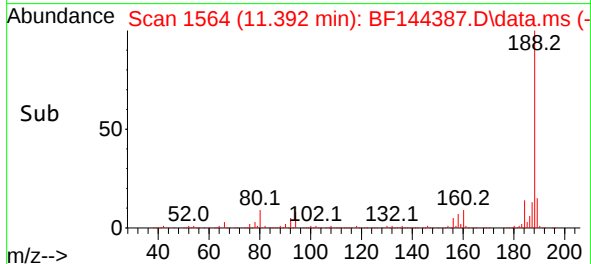
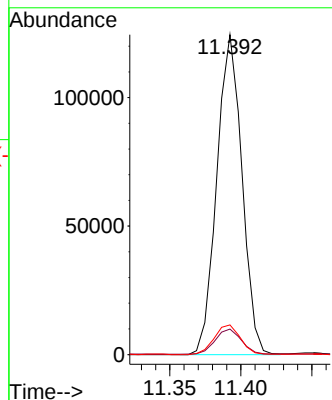
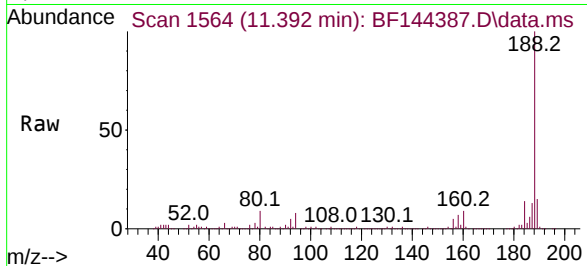




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

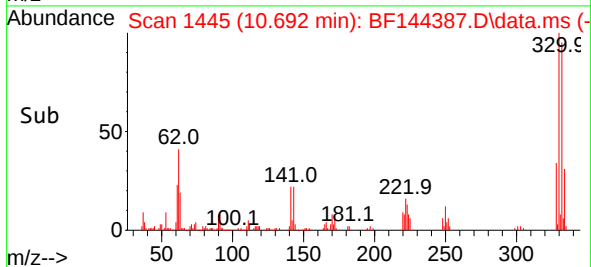
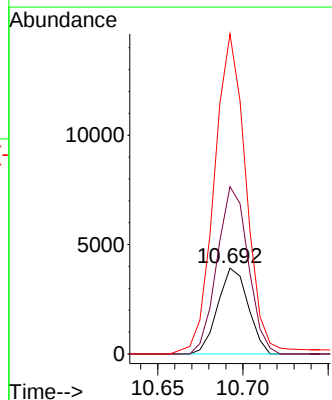
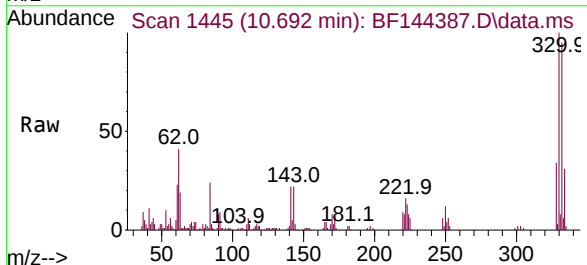
Instrument :
BNA_F
ClientSampleId :
WC1

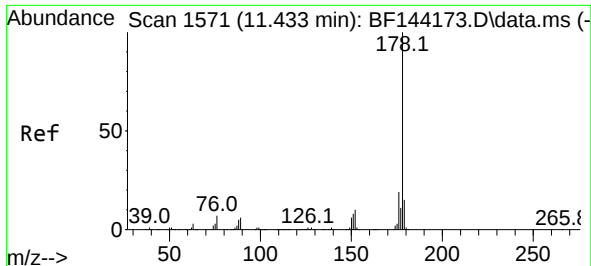
Tgt Ion:188 Resp: 153674
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 9.3 6.9 10.3



#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#

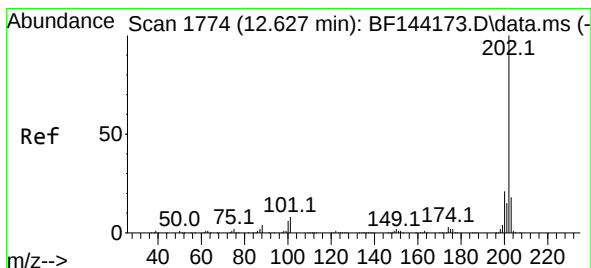
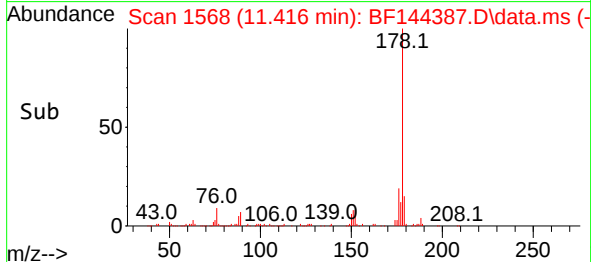
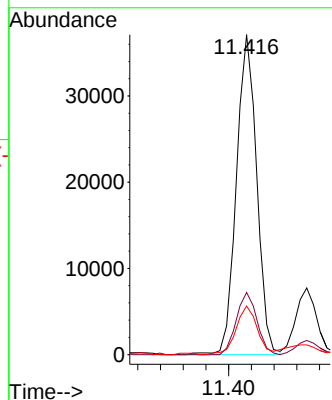
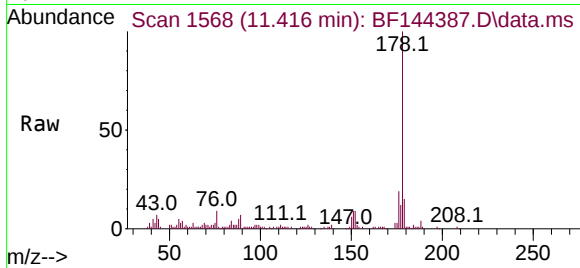




#71
Phenanthrene
Concen: 6.021 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

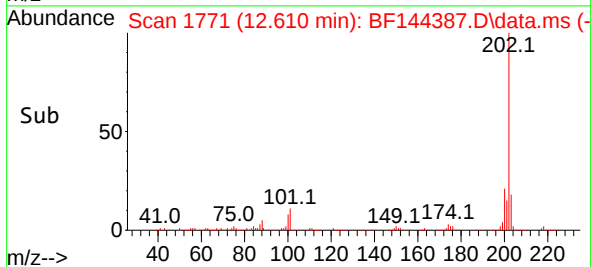
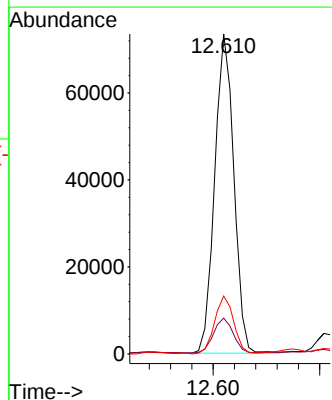
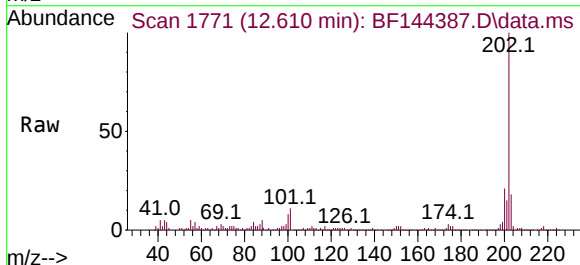
Instrument :
BNA_F
ClientSampleId :
WC1

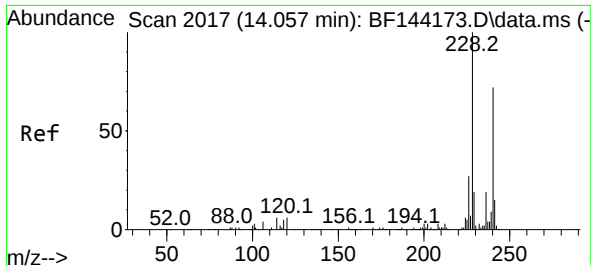
Tgt Ion:178 Resp: 46067
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.2 18.4



#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

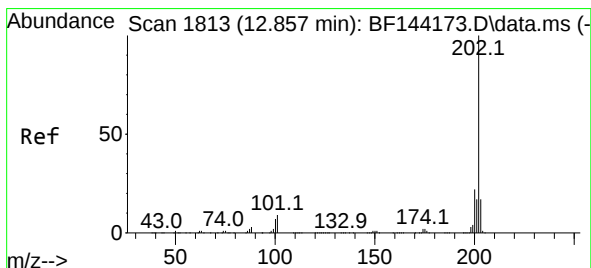
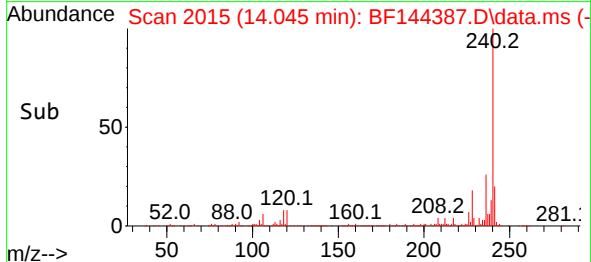
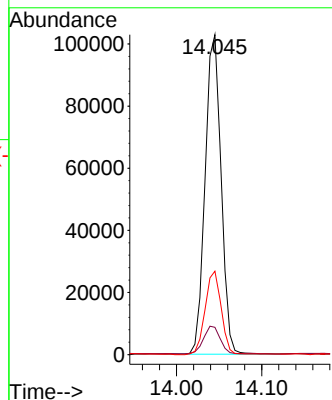
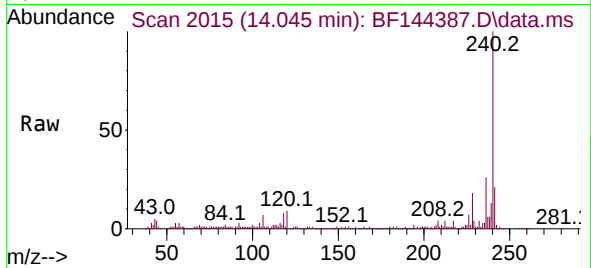




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144387.D
Acq: 01 Dec 2025 15:15

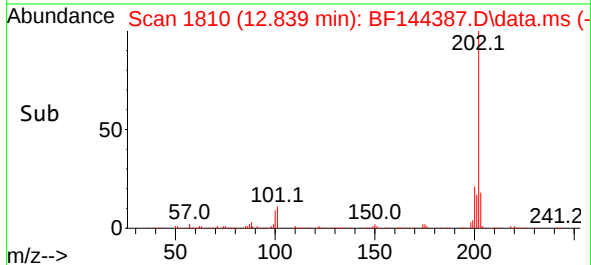
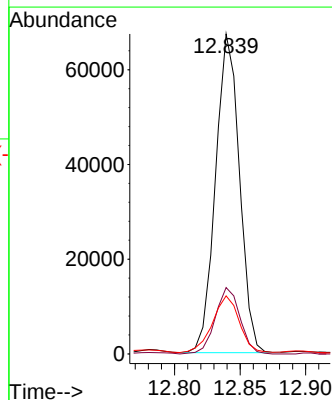
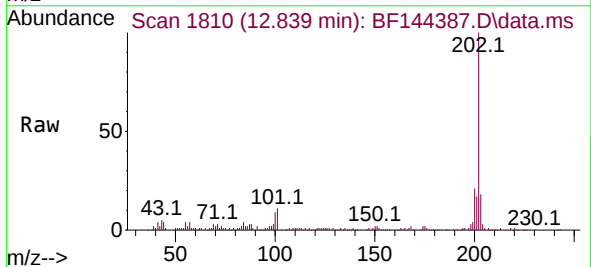
Instrument :
BNA_F
ClientSampleId :
WC1

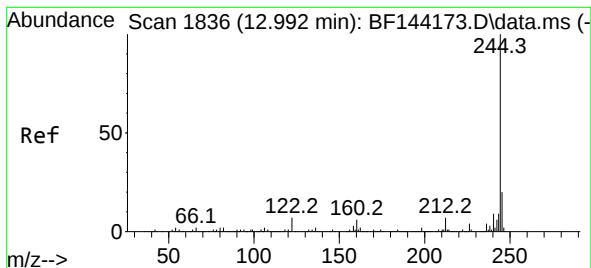
Tgt Ion:240 Resp: 133822
Ion Ratio Lower Upper
240 100
120 8.5 6.6 10.0
236 26.1 21.4 32.2



#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 :

WC1

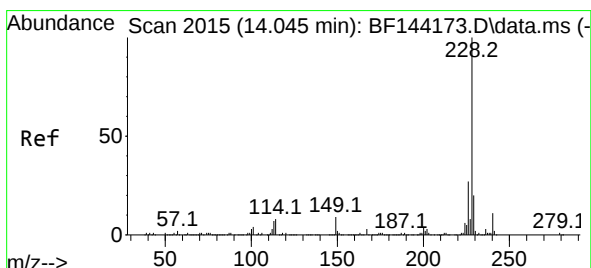
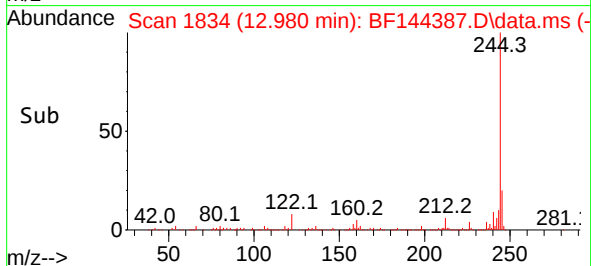
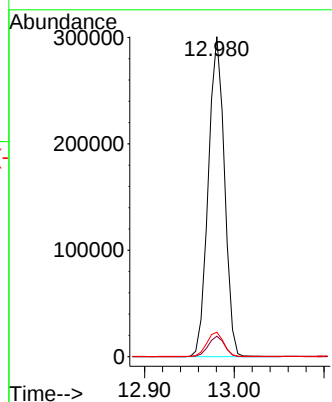
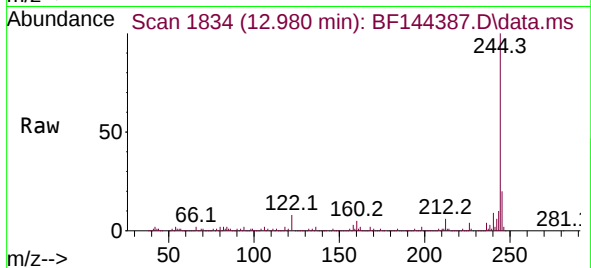
Tgt Ion:244 Resp: 377864

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

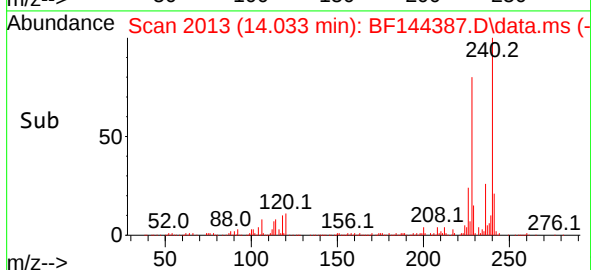
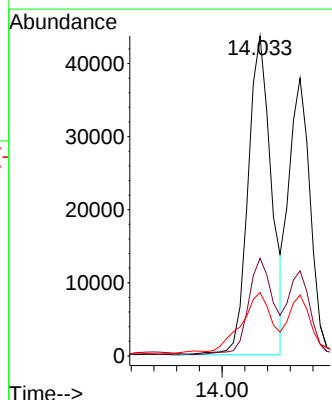
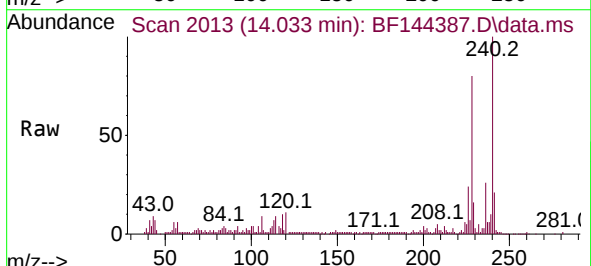
Tgt Ion:228 Resp: 62373

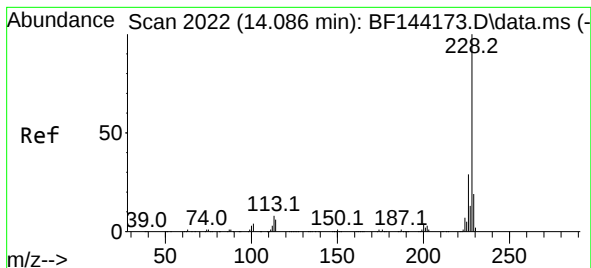
Ion Ratio Lower Upper

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# 2022

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

WC1

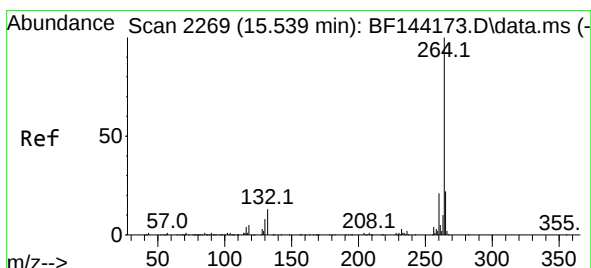
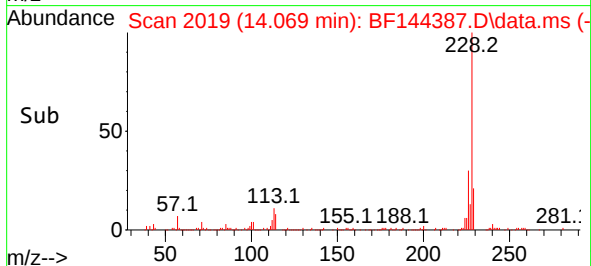
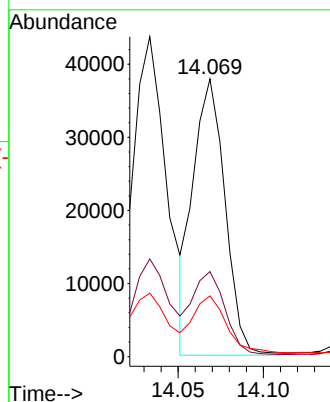
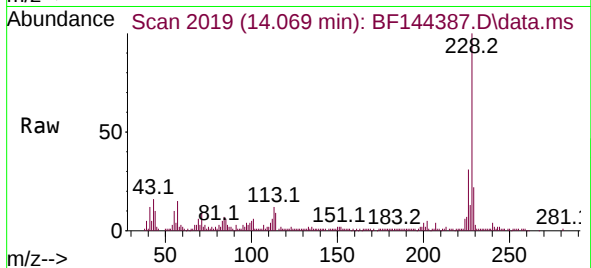
Tgt Ion:228 Resp: 49032

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

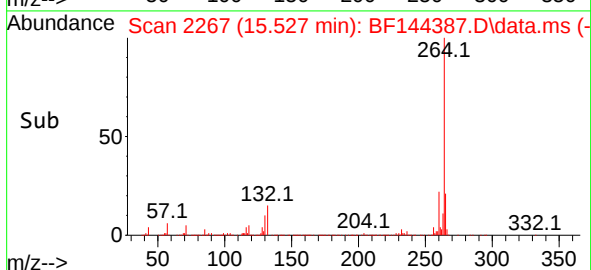
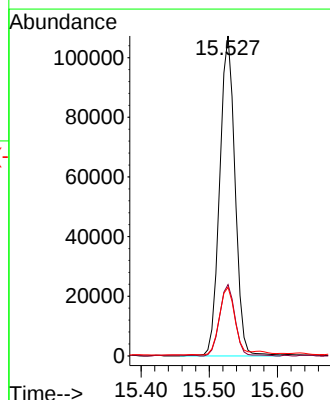
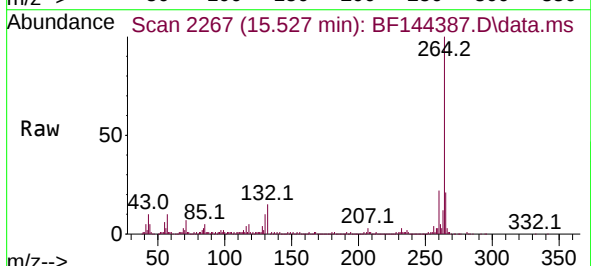
Tgt Ion:264 Resp: 166729

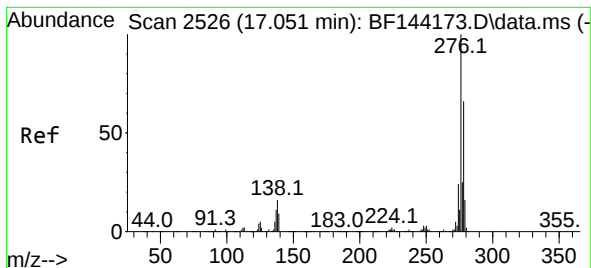
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.012 min

Lab File: BF144387.D

Acq: 01 Dec 2025 15:15

Instrument :

BNA_F

ClientSampleId :

WC1

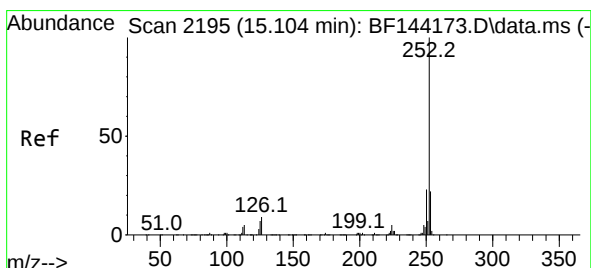
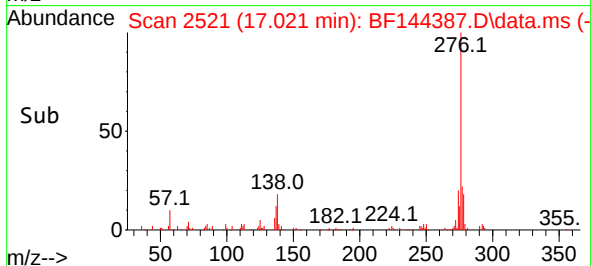
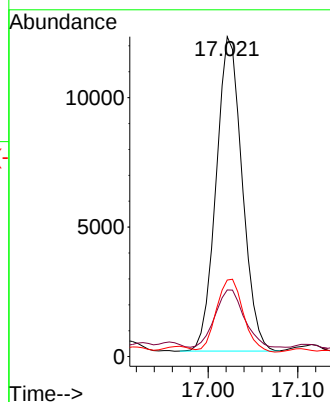
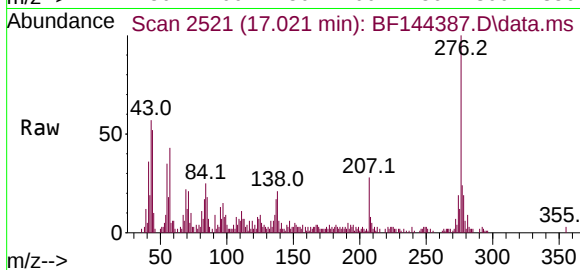
Tgt Ion:276 Resp: 24629

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

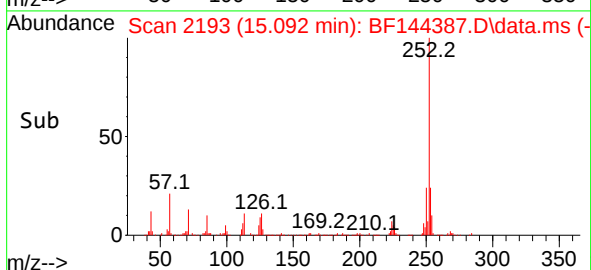
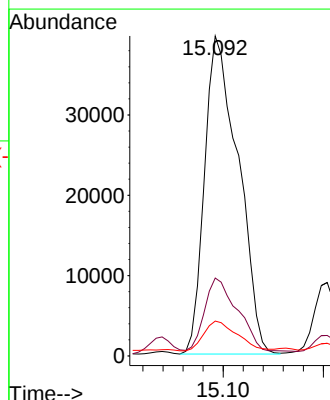
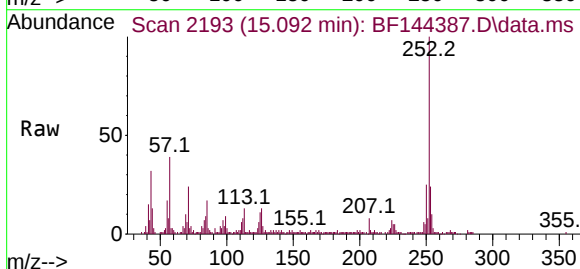
Tgt Ion:252 Resp: 92337

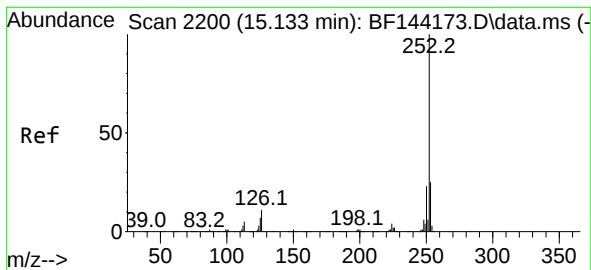
Ion Ratio Lower Upper

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 :

WC1

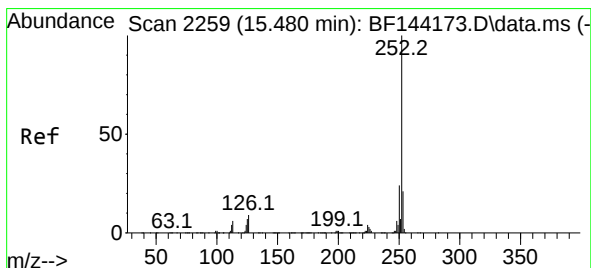
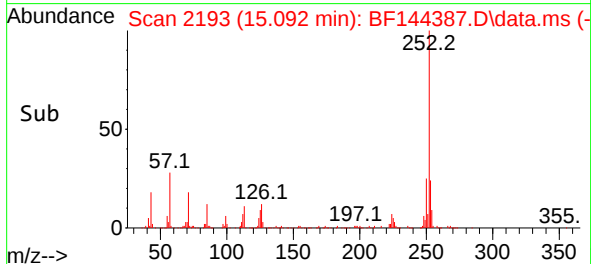
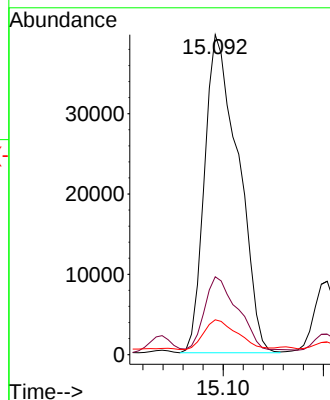
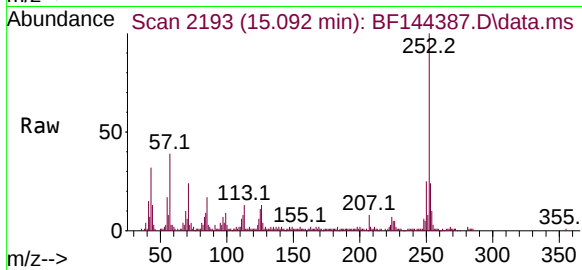
Tgt Ion:252 Resp: 92337

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

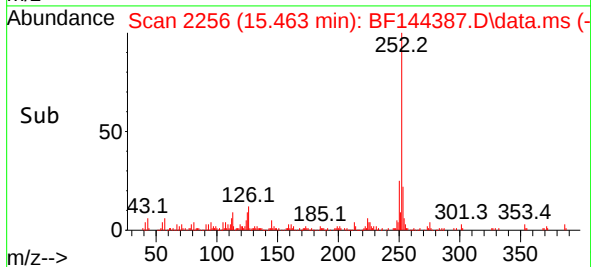
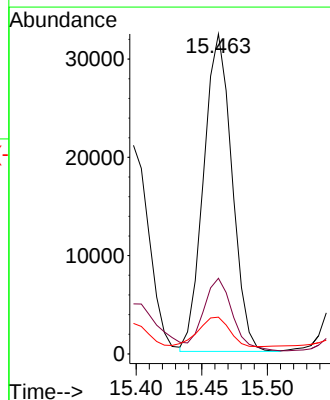
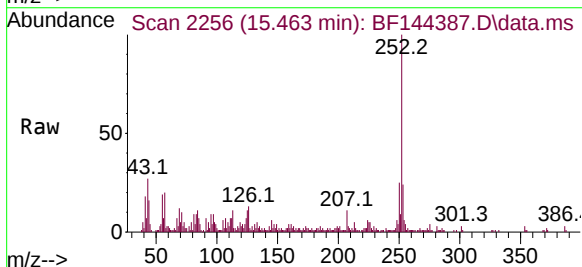
Tgt Ion:252 Resp: 48613

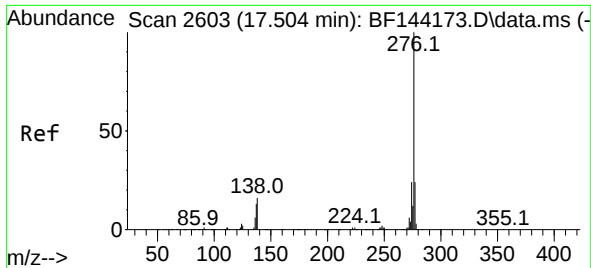
Ion Ratio Lower Upper

252 100

253 23.6 16.7 25.1

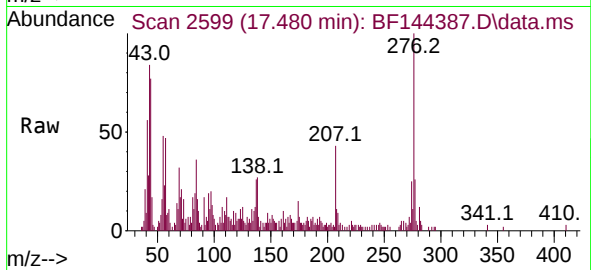
125 11.5 5.7 8.5#





#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 :
 WC1



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#

