

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144413.D
 Acq On : 02 Dec 2025 20:18
 Operator : RC/JU
 Sample : Q3719-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17A

Quant Time: Dec 02 23:49:35 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)

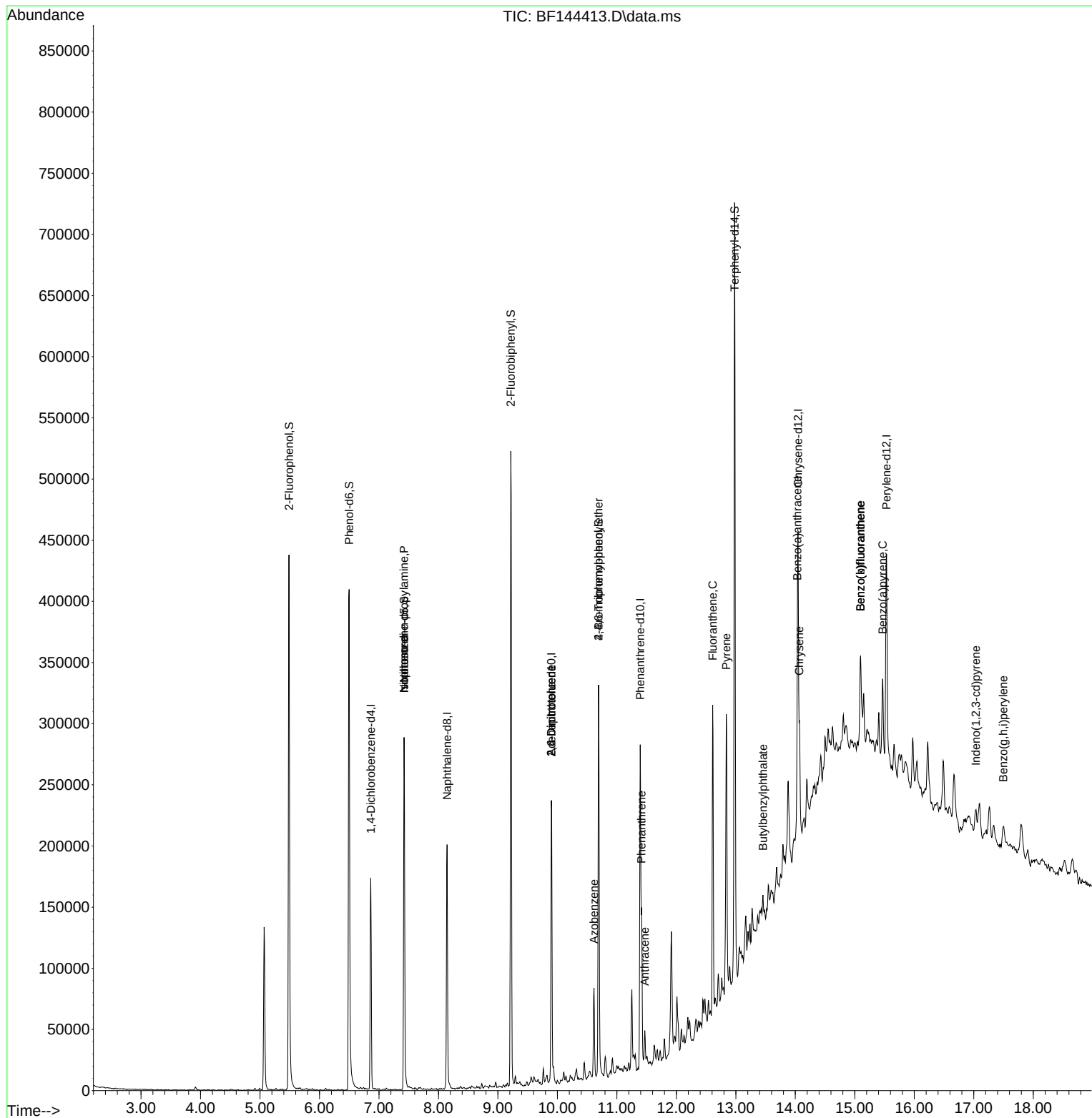
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	38060	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	134068	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	71503	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	142069	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	101218	20.000	ng	0.00
86) Perylene-d12	15.533	264	83845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	191784	78.854	ng	0.00
7) Phenol-d6	6.498	99	215365	78.149	ng	0.00
23) Nitrobenzene-d5	7.422	82	126256	54.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	68246	76.059	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	248707	51.372	ng	-0.01
79) Terphenyl-d14	12.980	244	341617	53.610	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	17645	9.726	ng	# 75
25) Isophorone	7.422	82	126254	28.754	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	9851	10.273	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	9851	7.674	ng	# 29
63) Azobenzene	10.616	77	18801	4.626	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	3731	2.057	ng	# 1
71) Phenanthrene	11.416	178	68562	9.693	ng	99
72) Anthracene	11.469	178	16600	2.308	ng	98
75) Fluoranthene	12.610	202	151729	20.765	ng	98
78) Pyrene	12.839	202	133509	16.359	ng	97
80) Butylbenzylphthalate	13.457	149	6876	2.431	ng	# 86
81) Benzo(a)anthracene	14.033	228	58967	8.406	ng	# 93
83) Chrysene	14.069	228	53954	8.331	ng	# 92
87) Indeno(1,2,3-cd)pyrene	17.033	276	20979	3.486	ng	96
88) Benzo(b)fluoranthene	15.098	252	69914	14.667	ng	# 87
89) Benzo(k)fluoranthene	15.098	252	69914	15.670	ng	# 88
90) Benzo(a)pyrene	15.468	252	33904	7.710	ng	# 85
92) Benzo(g,h,i)perylene	17.498	276	20002	4.190	ng	# 92

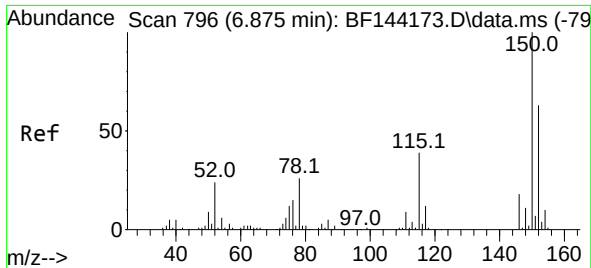
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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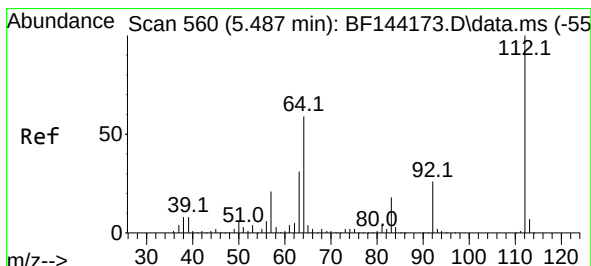
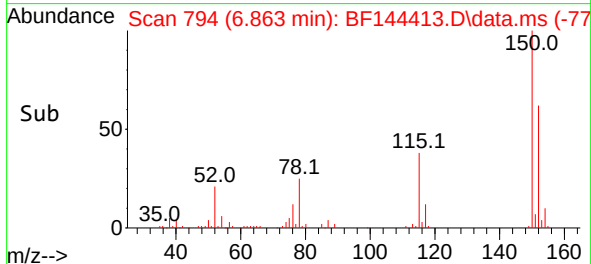
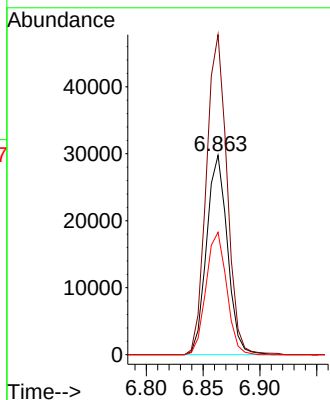
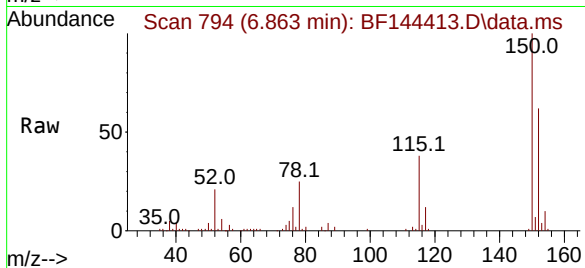




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 794
 Delta R.T. -0.012 min
 Lab File: BF144413.D
 Acq: 02 Dec 2025 20:18

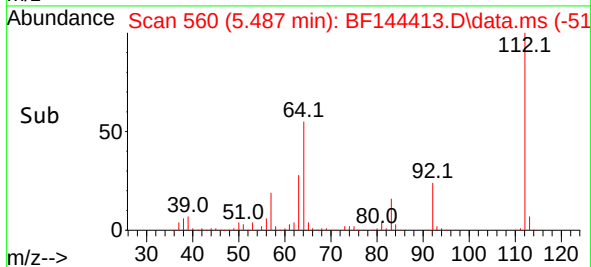
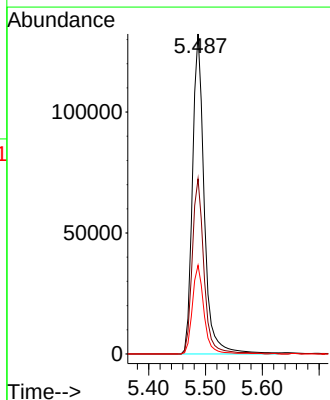
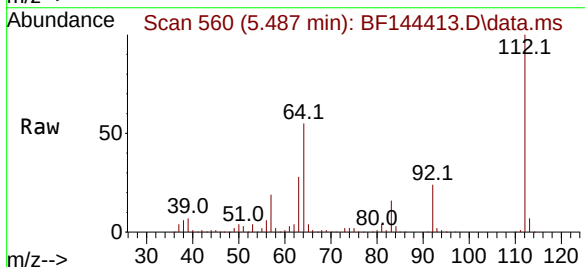
Instrument :
 BNA_F
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 SB-1125-17A

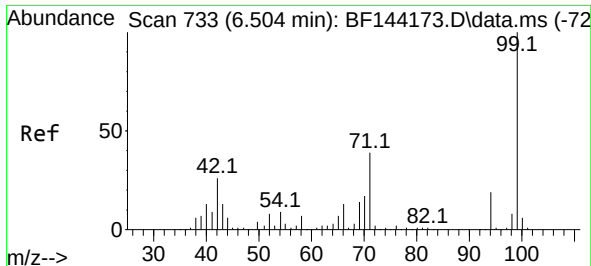
Tgt Ion:152 Resp: 38060
 Ion Ratio Lower Upper
 152 100
 150 160.6 127.4 191.0
 115 61.4 49.5 74.3



#5
 2-Fluorophenol
 Concen: 78.854 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.006 min
 Lab File: BF144413.D
 Acq: 02 Dec 2025 20:18

Tgt Ion:112 Resp: 191784
 Ion Ratio Lower Upper
 112 100
 64 54.8 47.2 70.8
 63 27.7 24.4 36.6

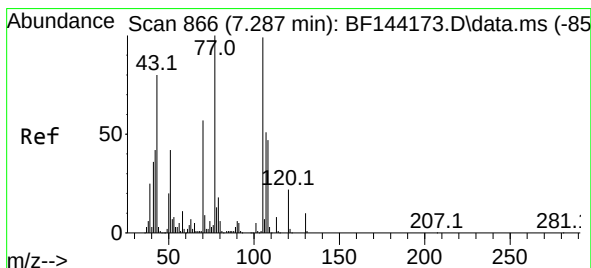
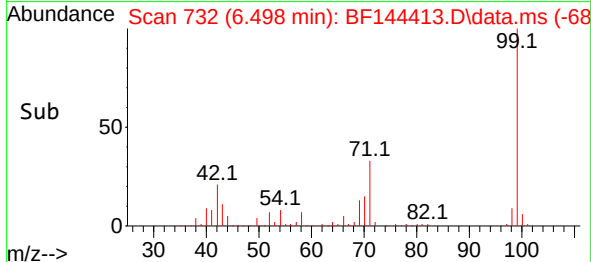
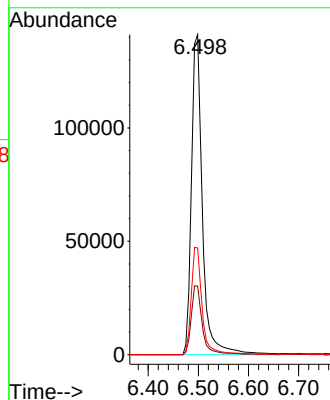
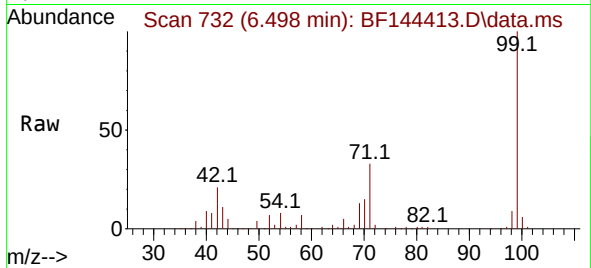




#7
Phenol-d6
Concen: 78.149 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

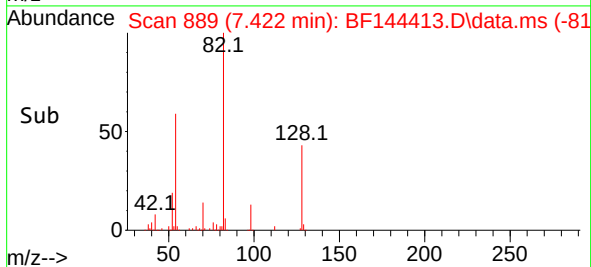
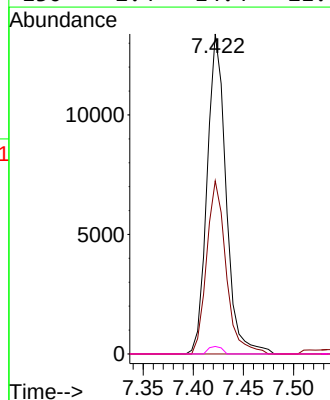
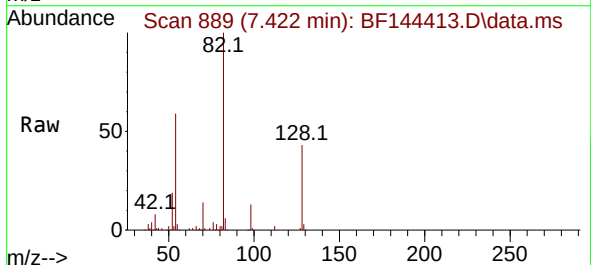
Instrument :
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ClientSampleId :
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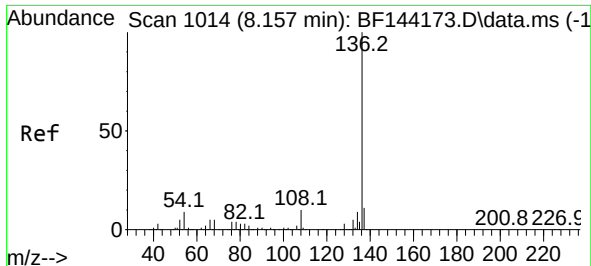
Tgt Ion: 99 Resp: 215365
Ion Ratio Lower Upper
99 100
42 21.4 20.9 31.3
71 33.4 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.726 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion: 70 Resp: 17645
Ion Ratio Lower Upper
70 100
42 54.1 58.3 87.5#
101 0.0 7.0 10.6#
130 2.4 14.4 21.6#

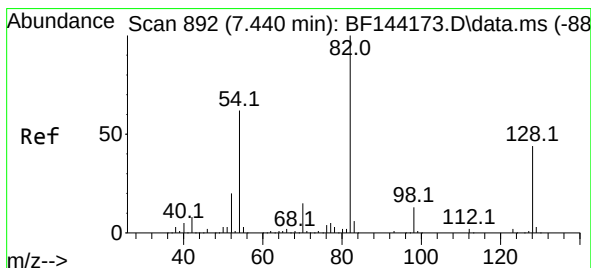
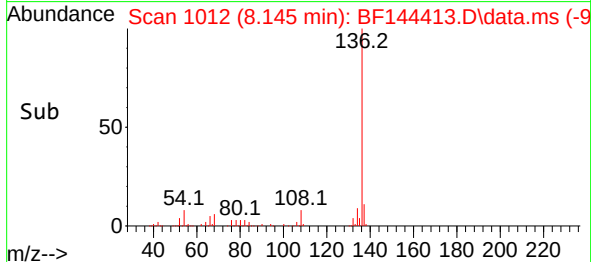
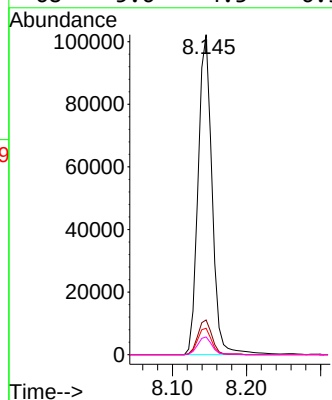
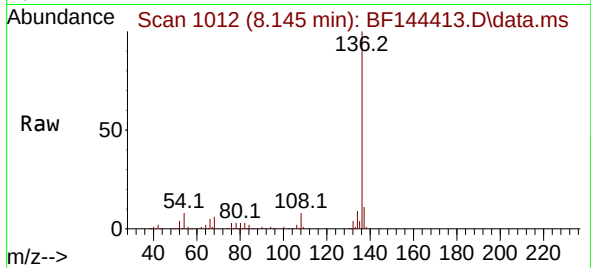




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

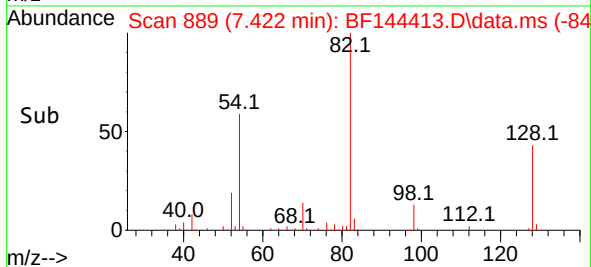
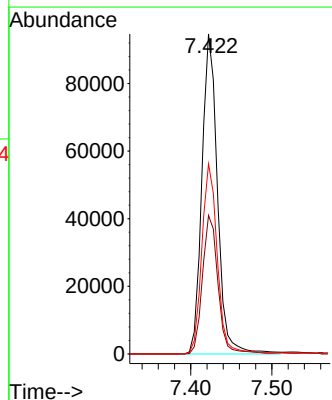
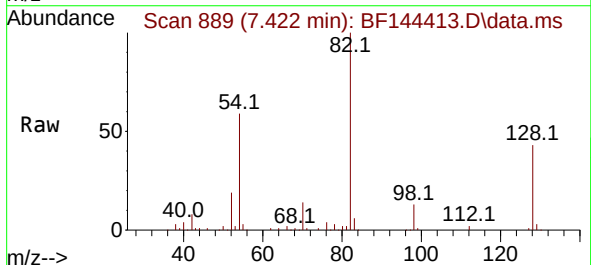
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

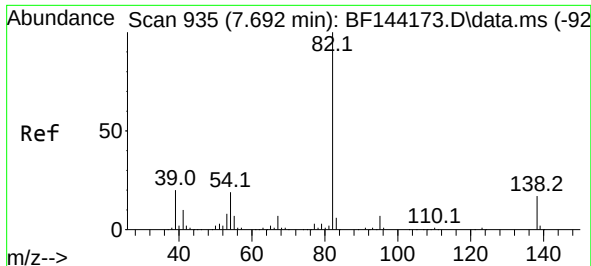
Tgt Ion:	136	Resp:	134068
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.3	7.0	10.6
68	5.6	4.3	6.5



#23
Nitrobenzene-d5
Concen: 54.390 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:	82	Resp:	126256
Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.7	52.1
54	59.4	49.5	74.3

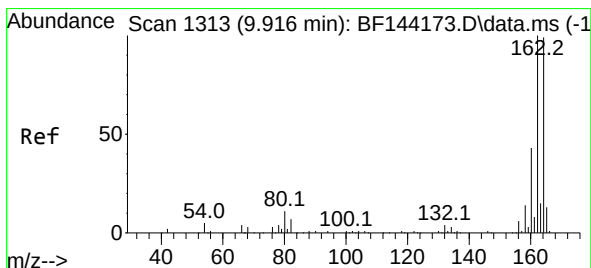
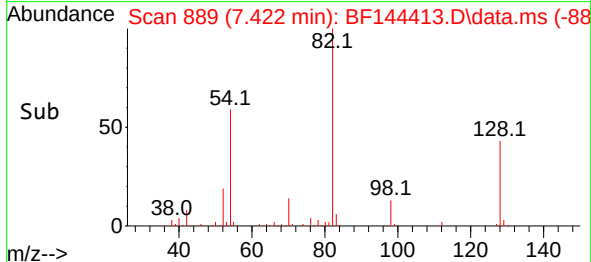
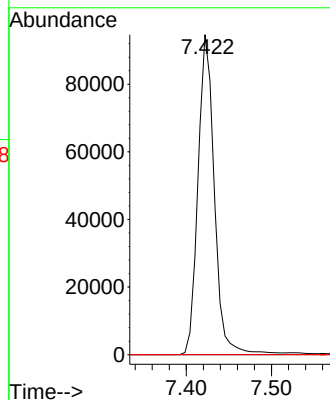
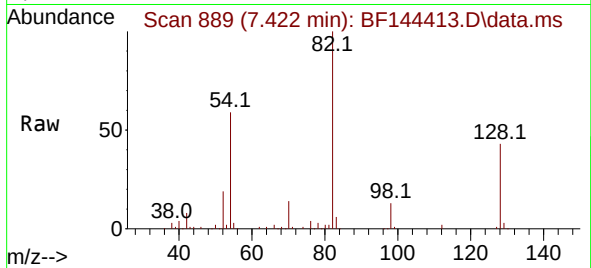




#25
Isophorone
Concen: 28.754 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

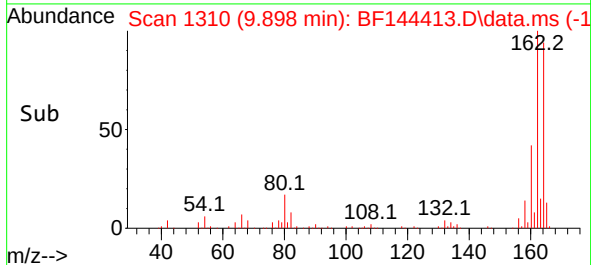
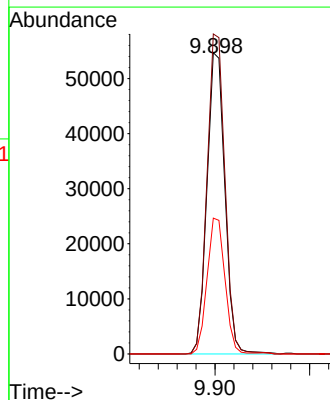
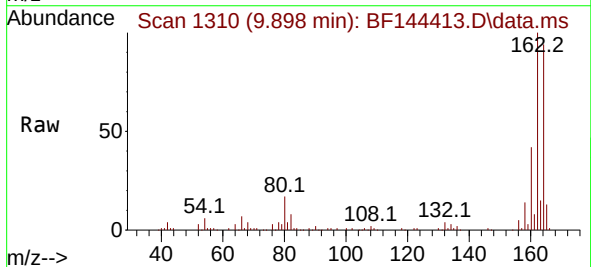
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ClientSampleId :
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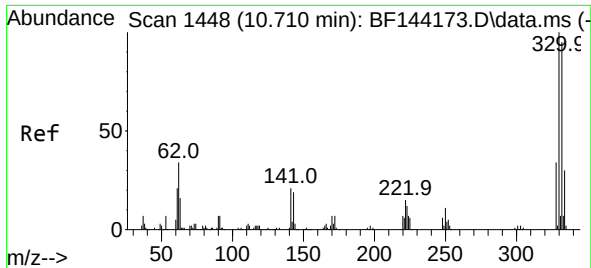
Tgt Ion: 82 Resp: 126254
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:164 Resp: 71503
Ion Ratio Lower Upper
164 100
162 106.2 81.1 121.7
160 45.1 34.5 51.7

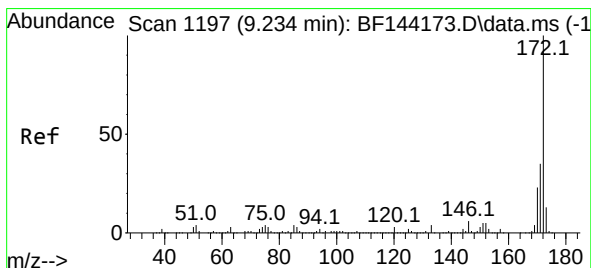
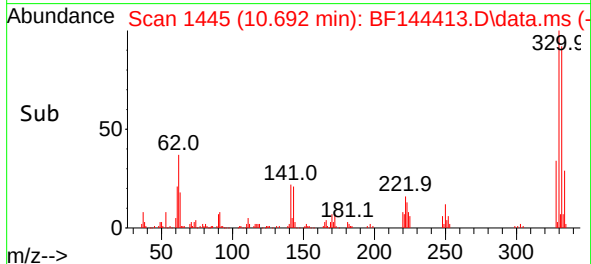
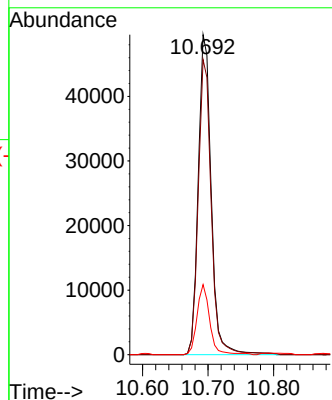
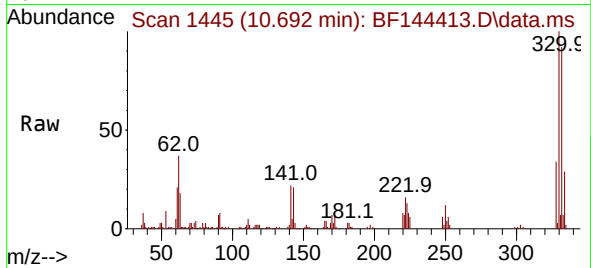




#42
2,4,6-Tribromophenol
Concen: 76.059 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

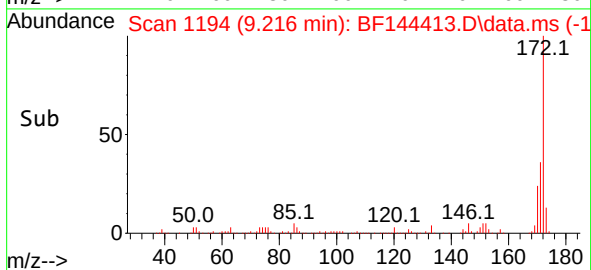
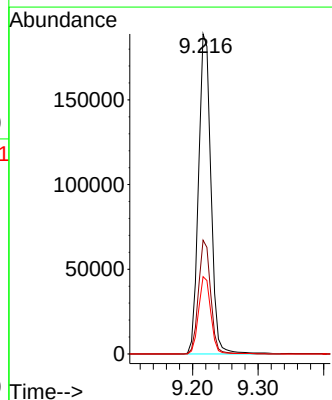
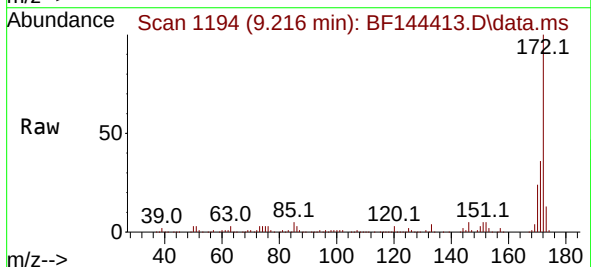
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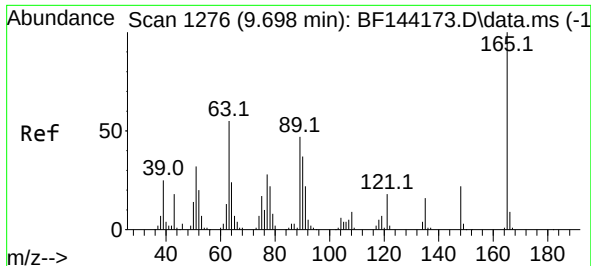
Tgt Ion: 330 Resp: 68246
Ion Ratio Lower Upper
330 100
332 92.5 76.7 115.1
141 21.5 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 51.372 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion: 172 Resp: 248707
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 24.1 18.6 28.0

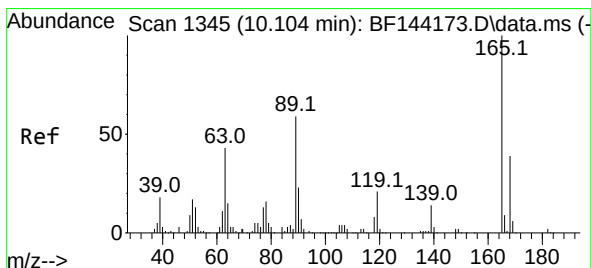
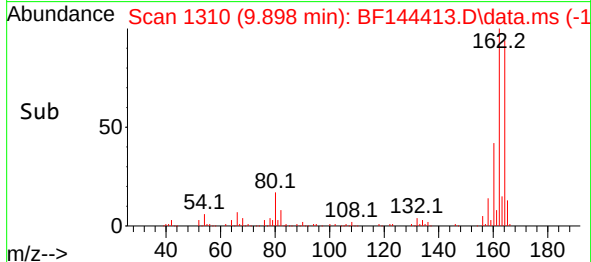
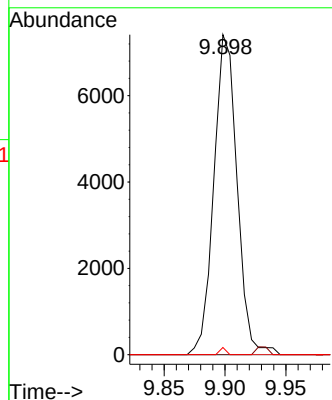
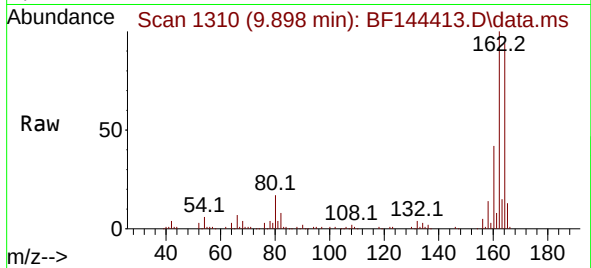




#51
2,6-Dinitrotoluene
Concen: 10.273 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

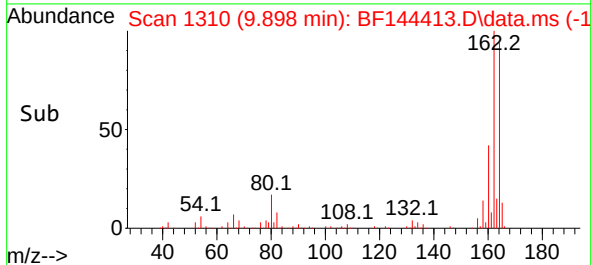
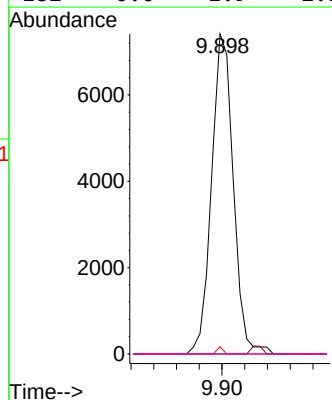
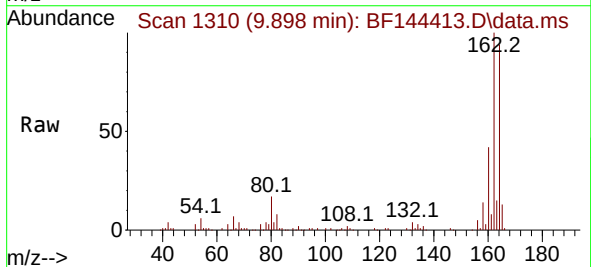
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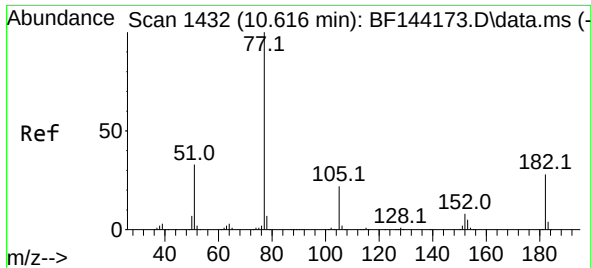
Tgt Ion:165 Resp: 9851
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 2.3 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.674 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:165 Resp: 9851
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 2.3 47.4 71.2#
182 0.0 1.9 2.9#

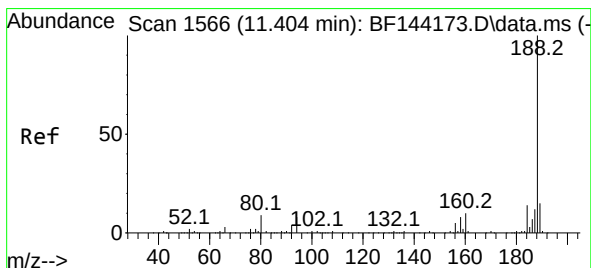
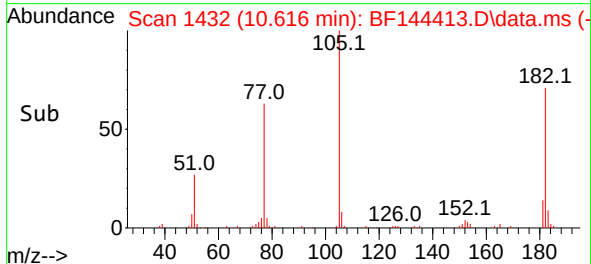
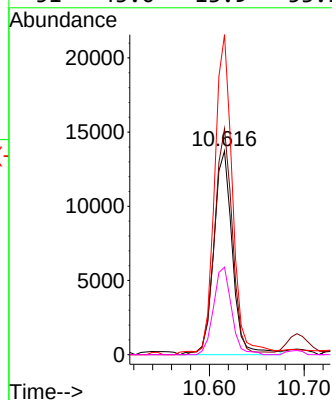
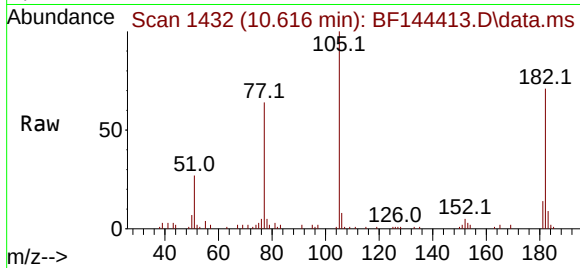




#63
Azobenzene
Concen: 4.626 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

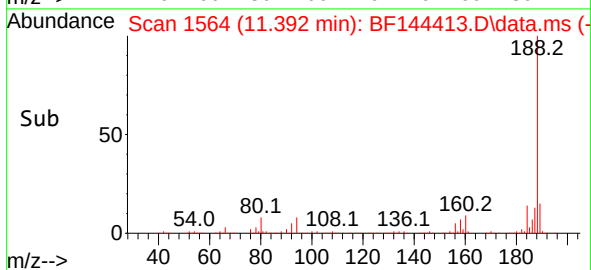
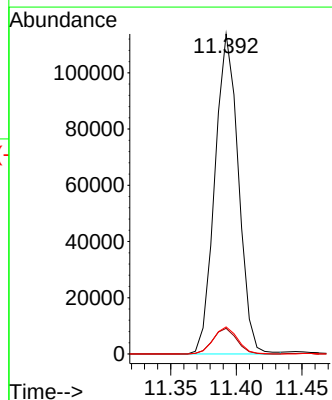
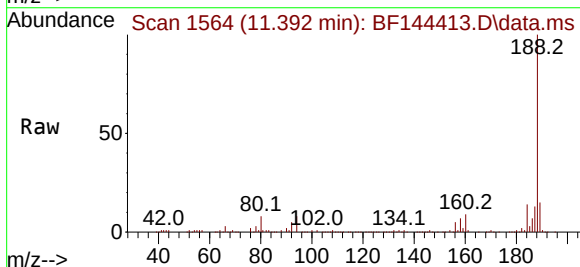
Instrument :
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SB-1125-17A

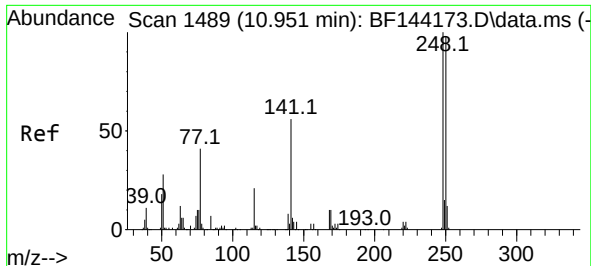
Tgt Ion: 77 Resp: 18801
Ion Ratio Lower Upper
77 100
182 111.0 8.1 48.1#
105 157.1 2.0 42.0#
51 43.0 13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:188 Resp: 142069
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.4 6.9 10.3

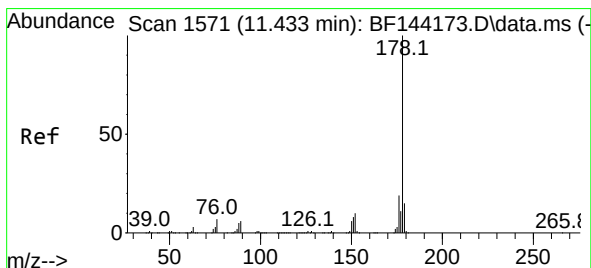
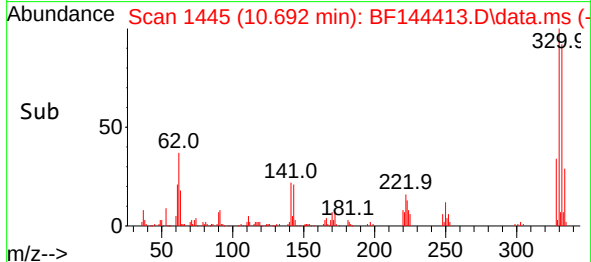
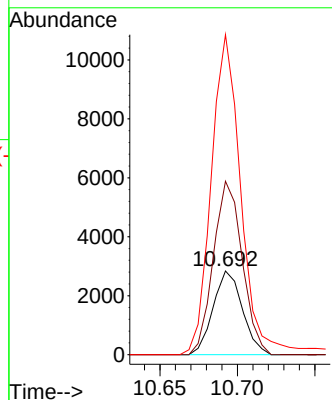
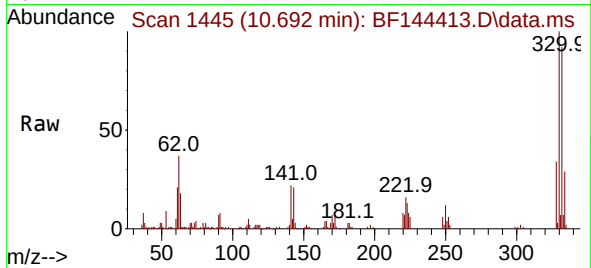




#67
4-Bromophenyl-phenylether
Concen: 2.057 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

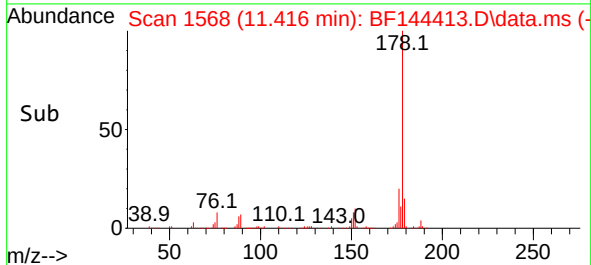
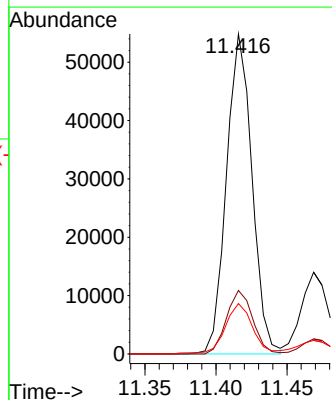
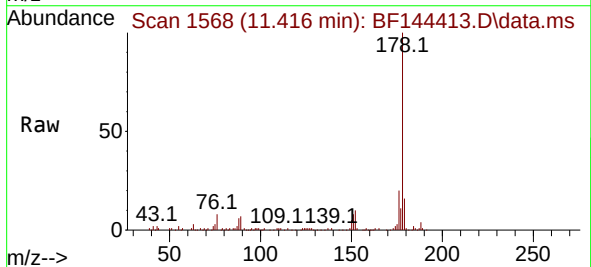
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

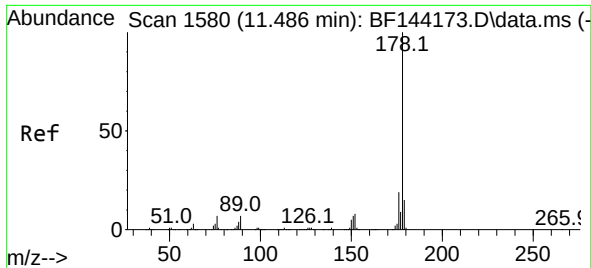
Tgt Ion:248 Resp: 3731
Ion Ratio Lower Upper
248 100
250 207.0 78.4 117.6#
141 382.1 45.1 67.7#



#71
Phenanthrene
Concen: 9.693 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:178 Resp: 68562
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.8 12.2 18.4

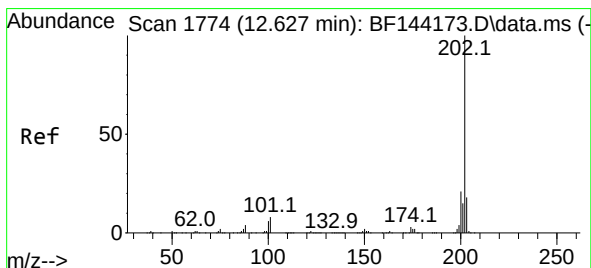
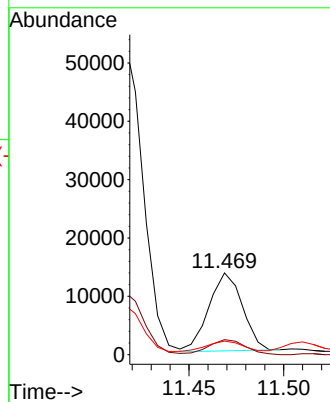
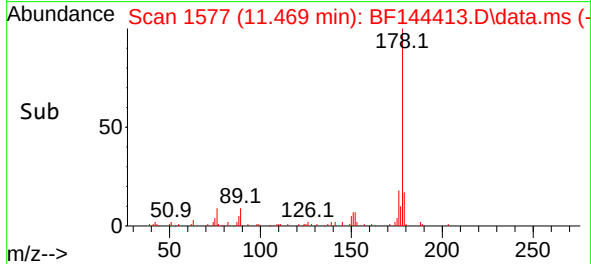
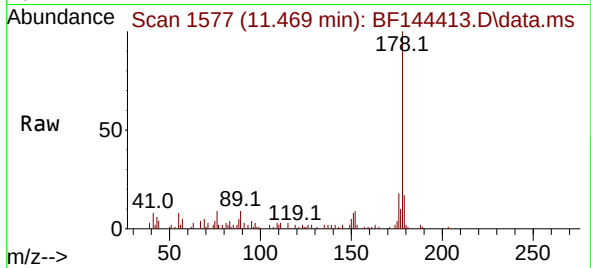




#72
 Anthracene
 Concen: 2.308 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144413.D
 Acq: 02 Dec 2025 20:18

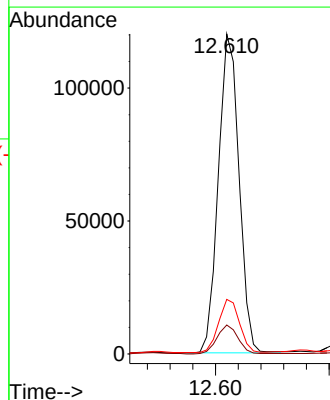
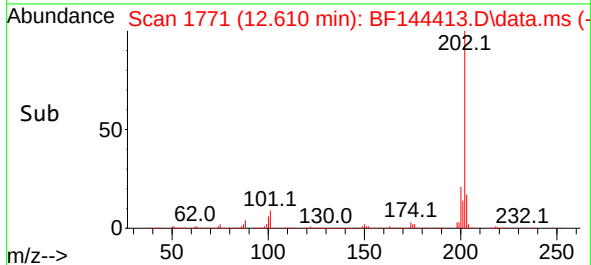
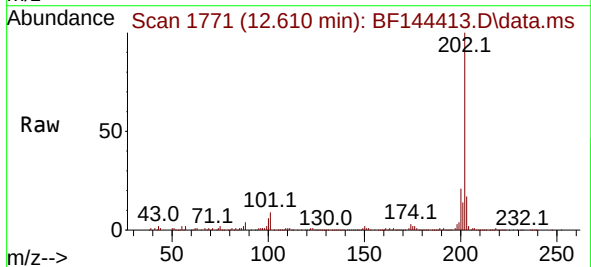
Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17A

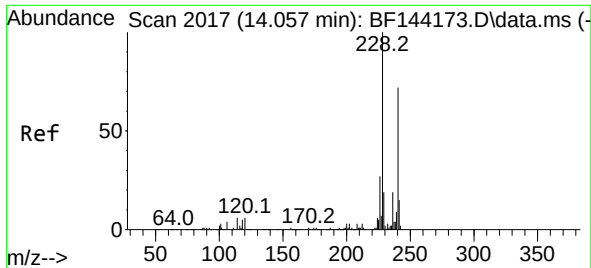
Tgt Ion:178 Resp: 16600
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 16.6 12.0 18.0



#75
 Fluoranthene
 Concen: 20.765 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144413.D
 Acq: 02 Dec 2025 20:18

Tgt Ion:202 Resp: 151729
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 27.9
 203 17.1 0.0 37.5

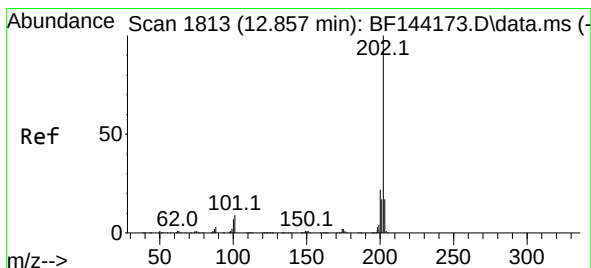
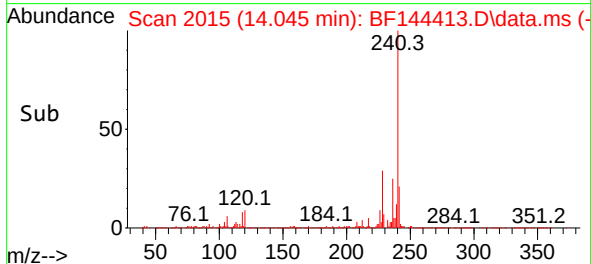
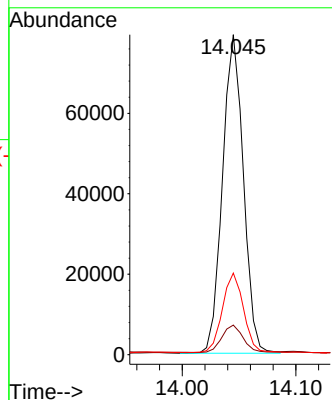
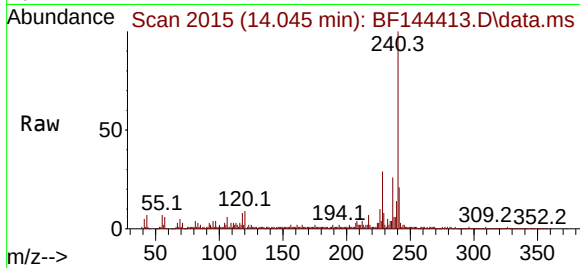




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

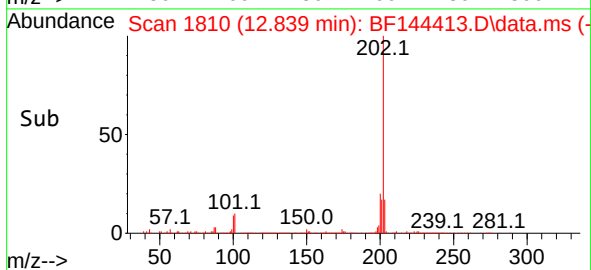
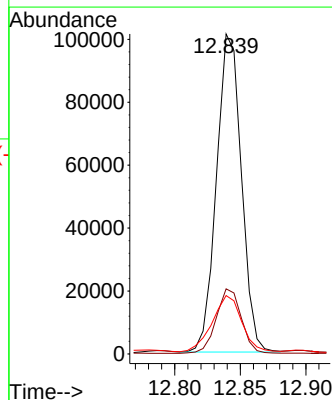
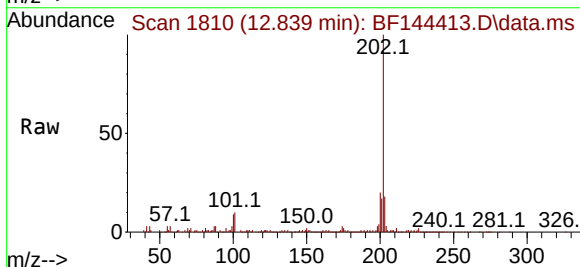
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

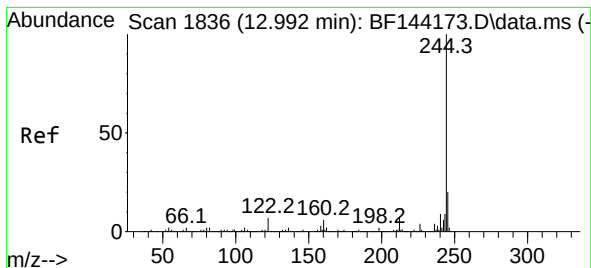
Tgt Ion:240 Resp: 101218
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 25.5 21.4 32.2



#78
Pyrene
Concen: 16.359 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:202 Resp: 133509
Ion Ratio Lower Upper
202 100
200 20.3 17.2 25.8
203 18.3 13.7 20.5





#79

Terphenyl-d14

Concen: 53.610 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

SB-1125-17A

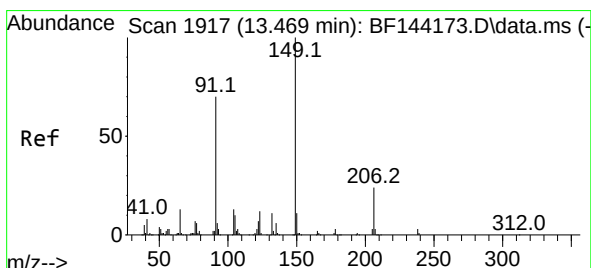
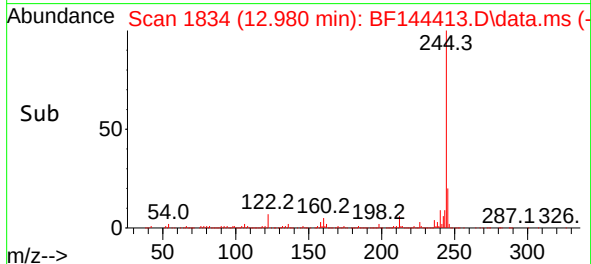
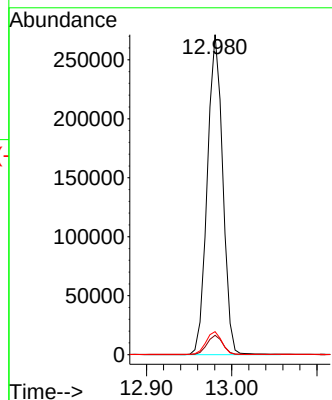
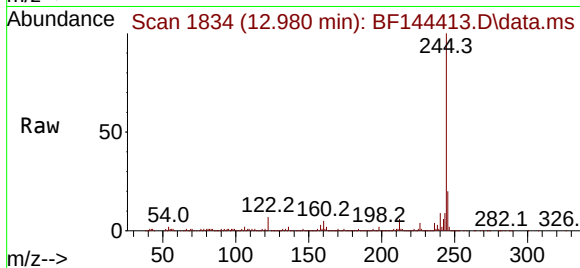
Tgt Ion:244 Resp: 341617

Ion Ratio Lower Upper

244 100

212 6.1 5.3 7.9

122 7.2 5.6 8.4



#80

Butylbenzylphthalate

Concen: 2.431 ng

RT: 13.457 min Scan# 1915

Delta R.T. -0.012 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

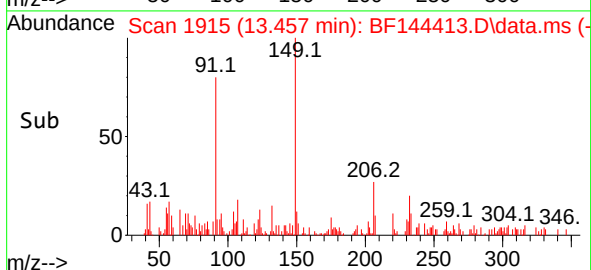
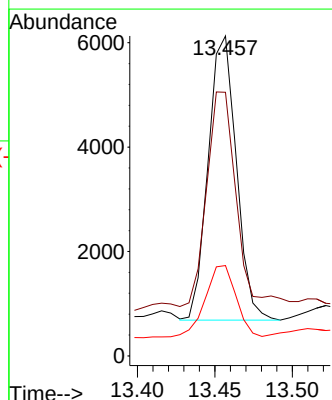
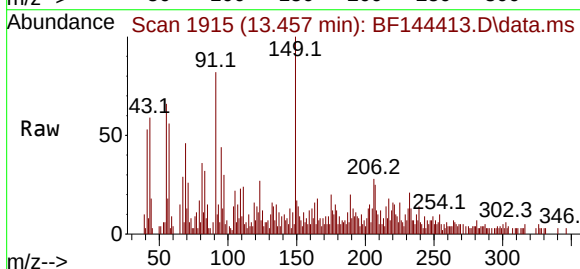
Tgt Ion:149 Resp: 6876

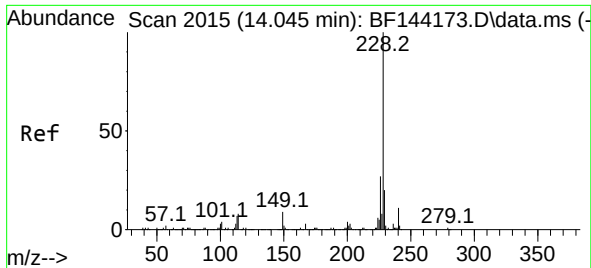
Ion Ratio Lower Upper

149 100

91 82.4 56.1 84.1

206 28.2 18.8 28.2#

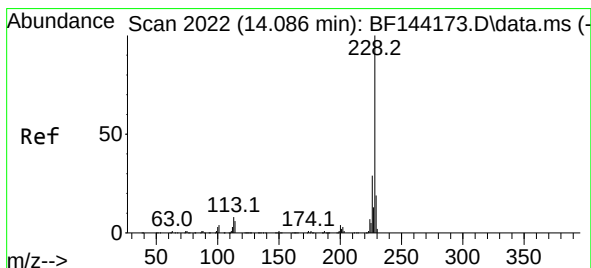
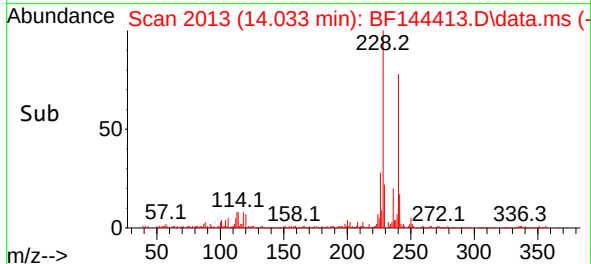
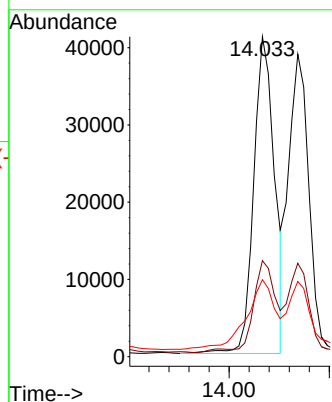
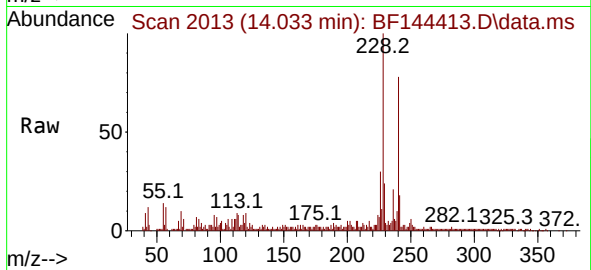




#81
Benzo(a)anthracene
Concen: 8.406 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

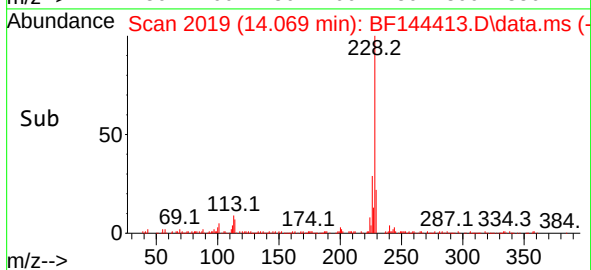
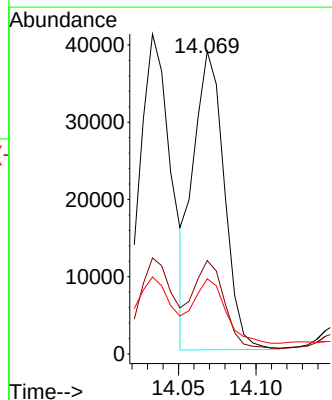
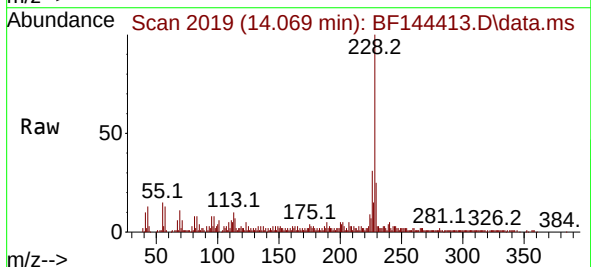
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

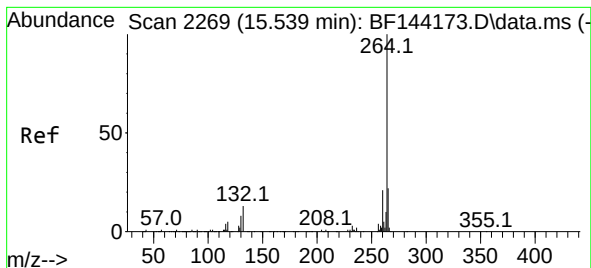
Tgt Ion:228 Resp: 58967
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 24.1 15.8 23.6#



#83
Chrysene
Concen: 8.331 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:228 Resp: 53954
Ion Ratio Lower Upper
228 100
226 30.9 22.9 34.3
229 24.8 15.0 22.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

SB-1125-17A

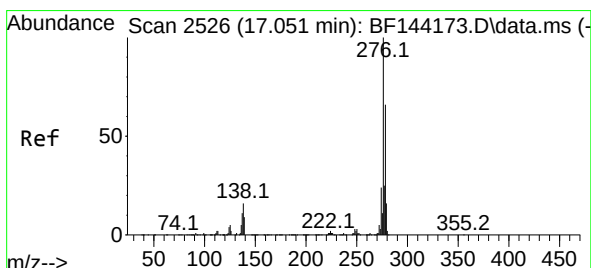
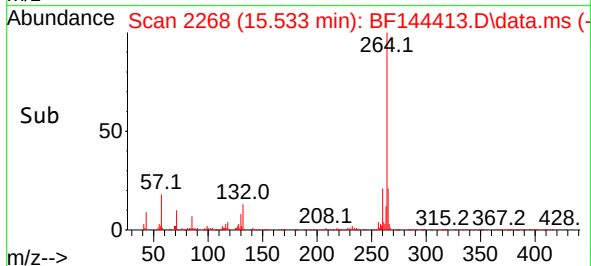
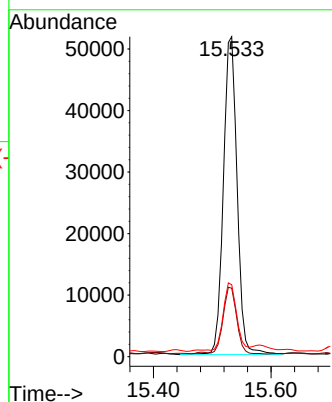
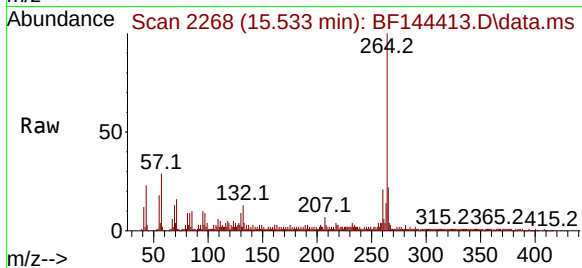
Tgt Ion:264 Resp: 83845

Ion Ratio Lower Upper

264 100

260 21.4 17.1 25.7

265 22.5 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.486 ng

RT: 17.033 min Scan# 2523

Delta R.T. -0.000 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

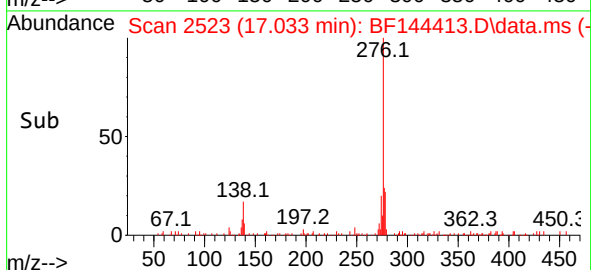
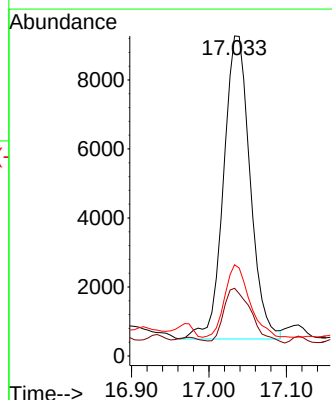
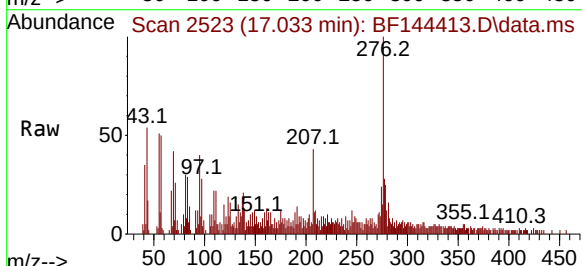
Tgt Ion:276 Resp: 20979

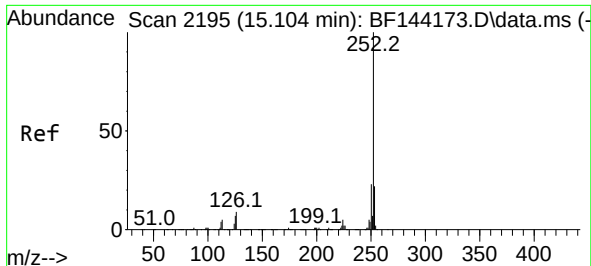
Ion Ratio Lower Upper

276 100

138 18.6 13.9 20.9

277 22.5 19.8 29.6

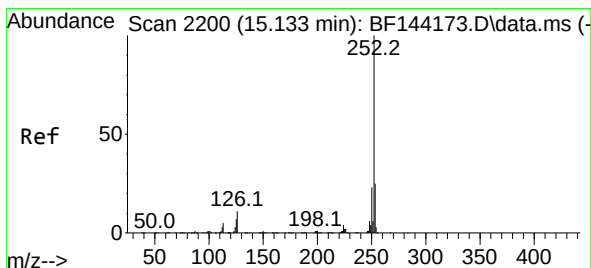
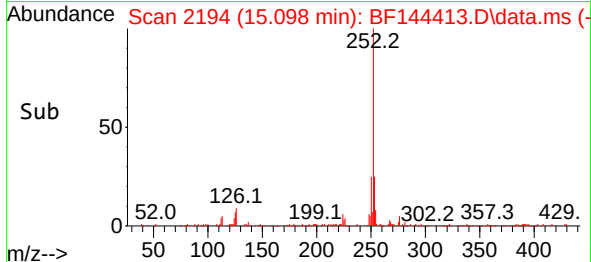
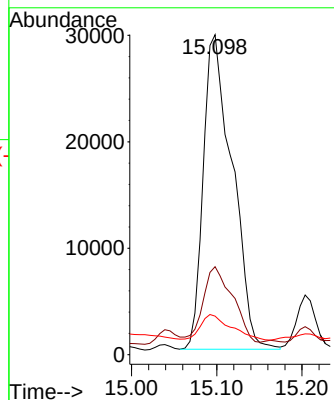
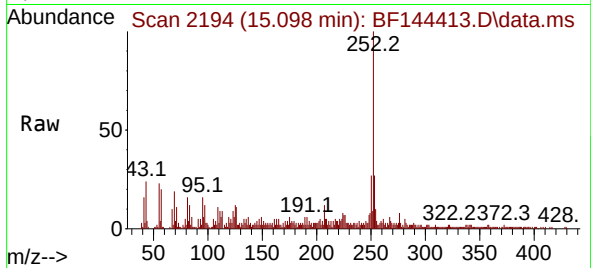




#88
Benzo(b)fluoranthene
Concen: 14.667 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

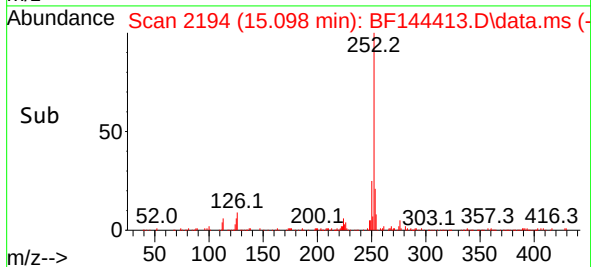
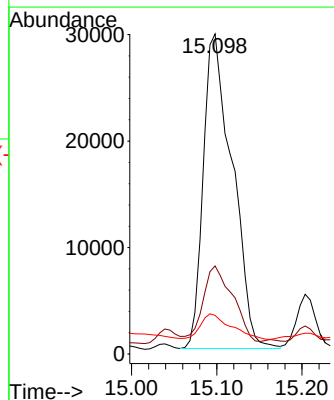
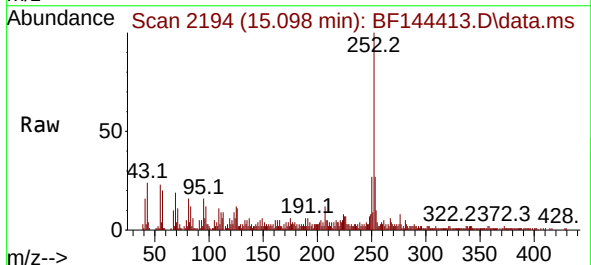
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

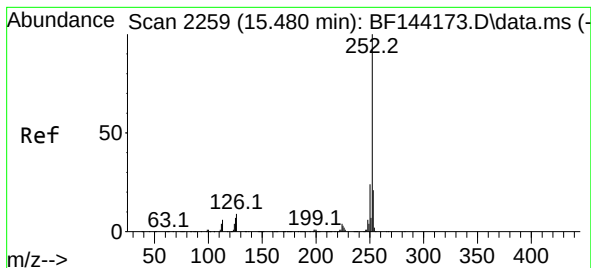
Tgt Ion:252 Resp: 69914
Ion Ratio Lower Upper
252 100
253 27.5 17.4 26.2#
125 12.1 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 15.670 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:252 Resp: 69914
Ion Ratio Lower Upper
252 100
253 27.5 18.0 27.0#
125 12.1 5.4 8.2#





#90

Benzo(a)pyrene

Concen: 7.710 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

SB-1125-17A

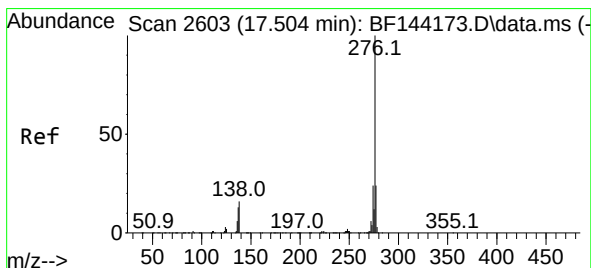
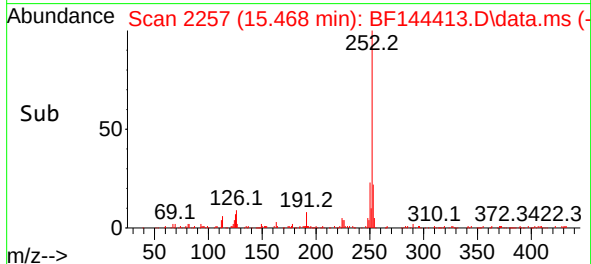
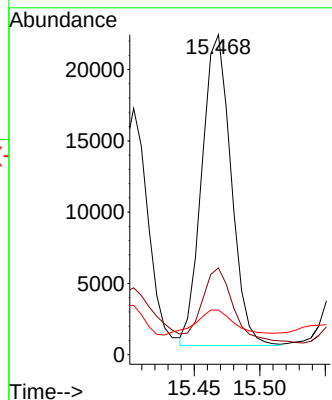
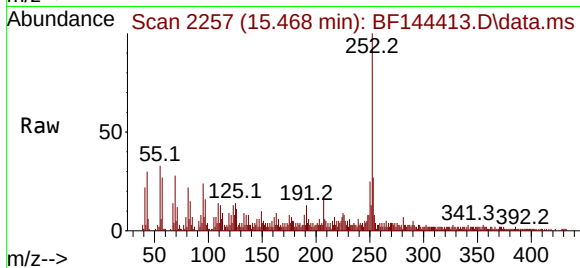
Tgt Ion:252 Resp: 33904

Ion Ratio Lower Upper

252 100

253 27.1 16.7 25.1#

125 13.9 5.7 8.5#



#92

Benzo(g,h,i)perylene

Concen: 4.190 ng

RT: 17.498 min Scan# 2602

Delta R.T. 0.006 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Tgt Ion:276 Resp: 20002

Ion Ratio Lower Upper

276 100

277 27.1 19.0 28.4

138 19.7 12.9 19.3#

