

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
 Data File : BF144430.D
 Acq On : 04 Dec 2025 15:08
 Operator : RC/JU
 Sample : Q3767-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 346

Quant Time: Dec 04 15:28:25 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)

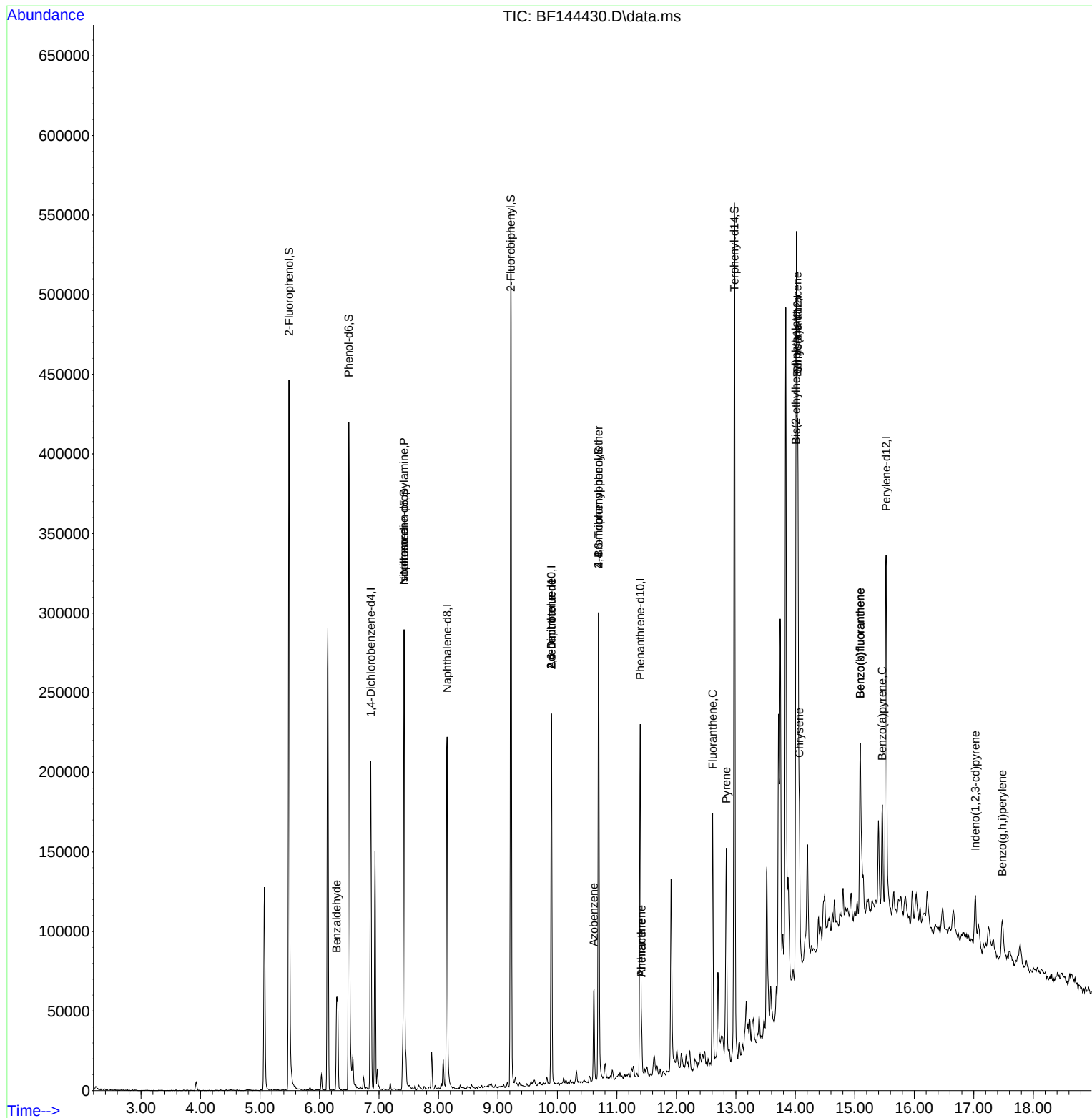
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	43304	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	151188	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	72094	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	118474	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	127946	20.000	ng	-0.01
86) Perylene-d12	15.527	264	144563	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	192696	69.634	ng	0.00
7) Phenol-d6	6.492	99	207279	66.107	ng	0.00
23) Nitrobenzene-d5	7.422	82	126553	48.344	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	62079	68.619	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	261663	53.605	ng	-0.01
79) Terphenyl-d14	12.974	244	282745	35.102	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.287	77	6368	3.597	ng	# 14
19) n-Nitroso-di-n-propyla...	7.422	70	16955	8.214	ng	# 82
25) Isophorone	7.422	82	126552	25.558	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	9524	9.851	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	9524	7.358	ng	# 27
63) Azobenzene	10.610	77	15537	3.792	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4019	2.658	ng	# 1
71) Phenanthrene	11.416	178	16680	2.828	ng	97
72) Anthracene	11.416	178	16680	2.781	ng	96
75) Fluoranthene	12.610	202	89377	14.668	ng	99
78) Pyrene	12.839	202	76253	7.392	ng	99
81) Benzo(a)anthracene	14.033	228	36949	4.167	ng	92
83) Chrysene	14.068	228	54374	6.642	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.010	149	10899	2.227	ng	# 85
87) Indeno(1,2,3-cd)pyrene	17.027	276	22731	2.190	ng	98
88) Benzo(b)fluoranthene	15.092	252	94813	11.536	ng	# 95
89) Benzo(k)fluoranthene	15.092	252	94813	12.325	ng	# 97
90) Benzo(a)pyrene	15.462	252	39254	5.177	ng	# 93
92) Benzo(g,h,i)perylene	17.480	276	24043	2.921	ng	# 92

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

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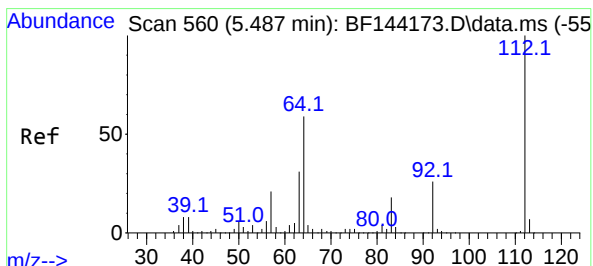
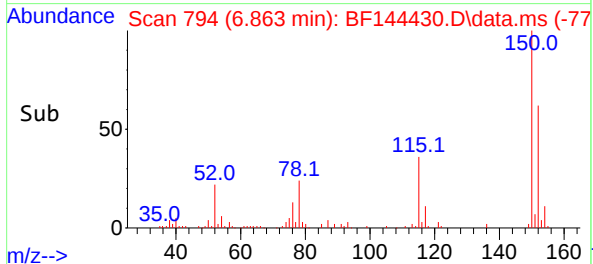
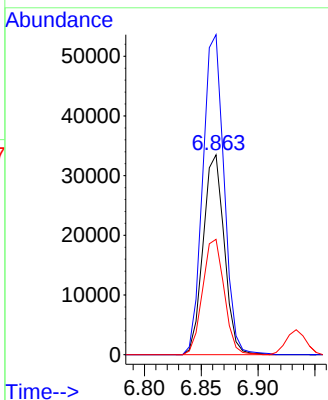
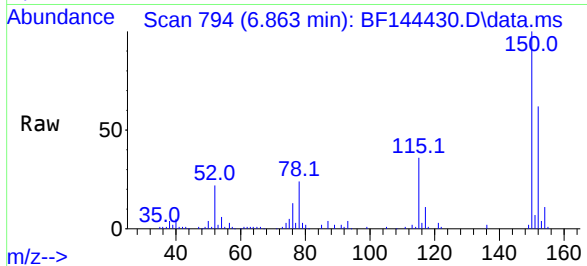




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

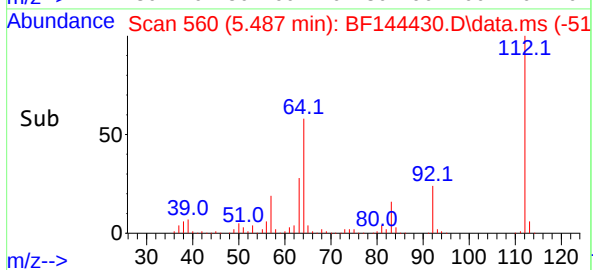
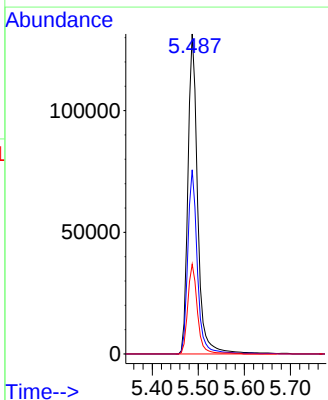
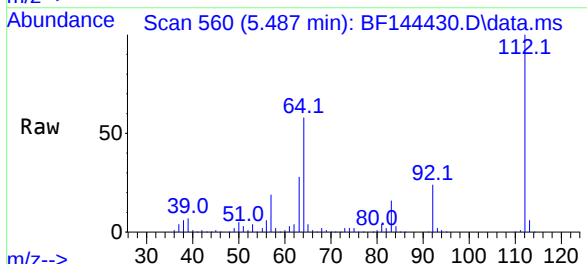
Instrument :
BNA_F
ClientSampleId :
346

Tgt Ion:152 Resp: 43304
Ion Ratio Lower Upper
152 100
150 160.2 127.4 191.0
115 57.8 49.5 74.3



#5
2-Fluorophenol
Concen: 69.634 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:112 Resp: 192696
Ion Ratio Lower Upper
112 100
64 57.5 47.2 70.8
63 28.0 24.4 36.6

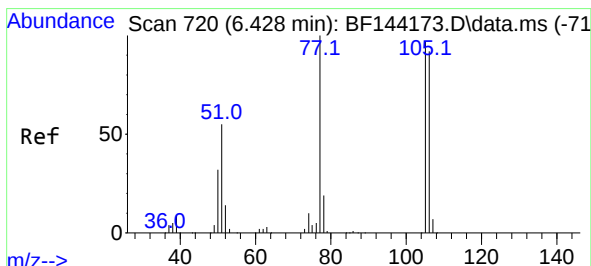
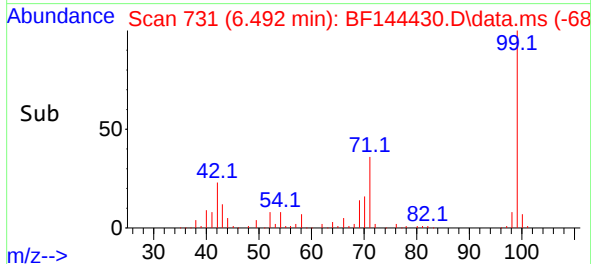
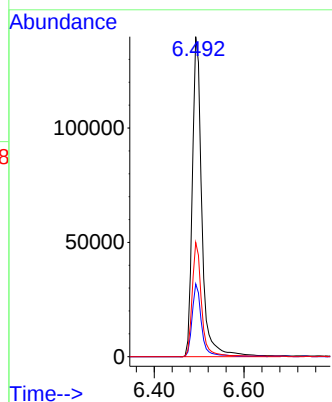
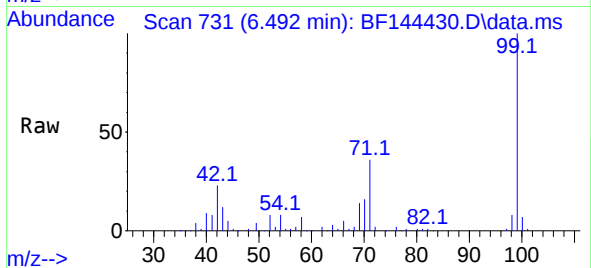




#7
Phenol-d6
Concen: 66.107 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

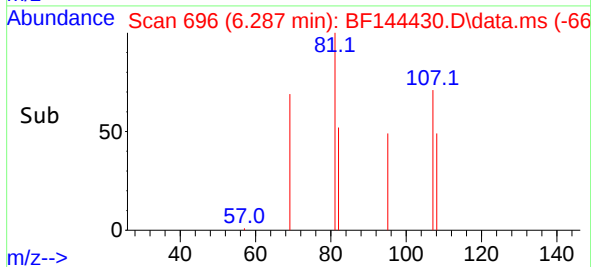
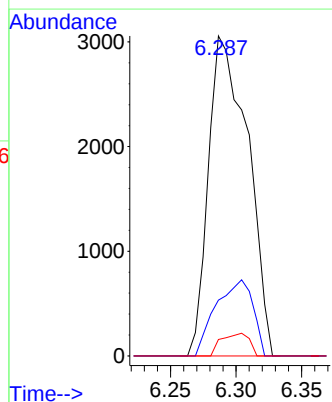
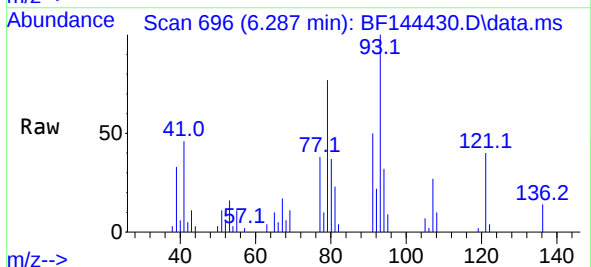
Instrument :
BNA_F
ClientSampleId :
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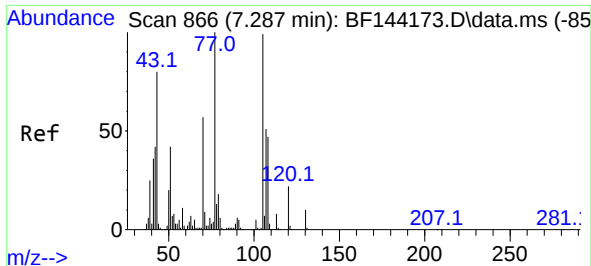
Tgt Ion: 99 Resp: 207279
Ion Ratio Lower Upper
99 100
42 22.8 20.9 31.3
71 35.7 31.4 47.2



#9
Benzaldehyde
Concen: 3.597 ng
RT: 6.287 min Scan# 696
Delta R.T. -0.141 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion: 77 Resp: 6368
Ion Ratio Lower Upper
77 100
105 17.4 77.2 117.2#
106 5.1 72.2 112.2#

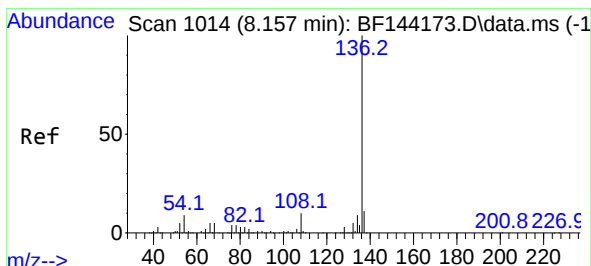
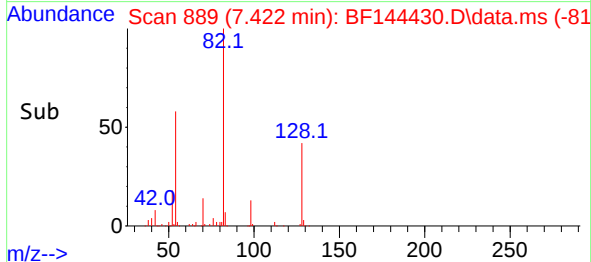
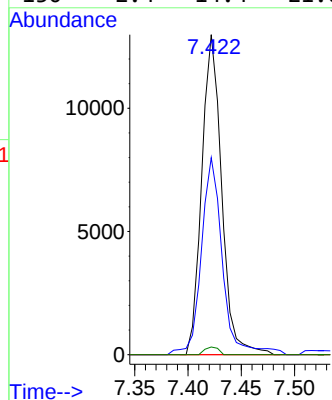
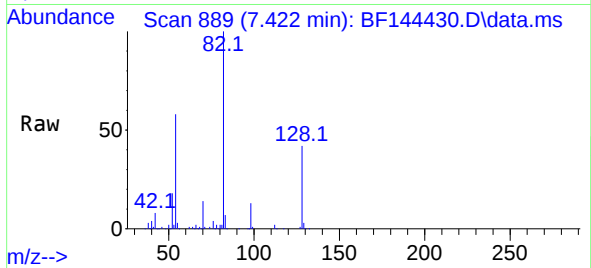




#19
n-Nitroso-di-n-propylamine
Concen: 8.214 ng
RT: 7.422 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

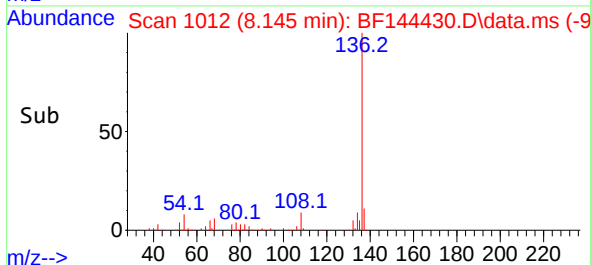
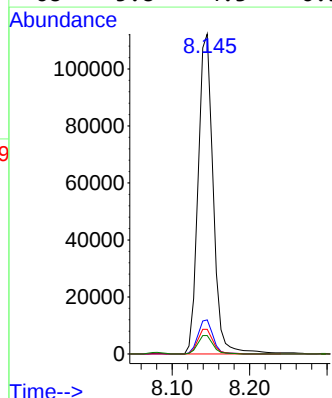
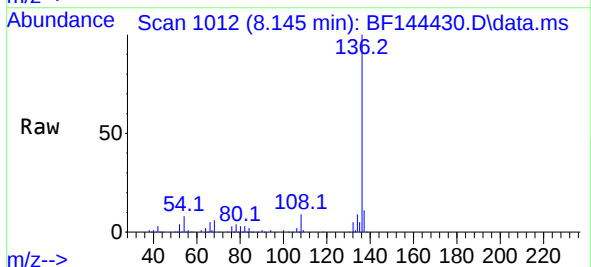
Instrument :
BNA_F
ClientSampleId :
346

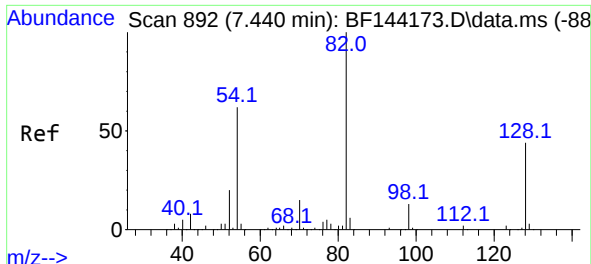
Tgt Ion: 70 Resp: 16955
Ion Ratio Lower Upper
70 100
42 61.6 58.3 87.5
101 0.0 7.0 10.6#
130 2.4 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion: 136 Resp: 151188
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.7 7.0 10.6
68 5.8 4.3 6.5

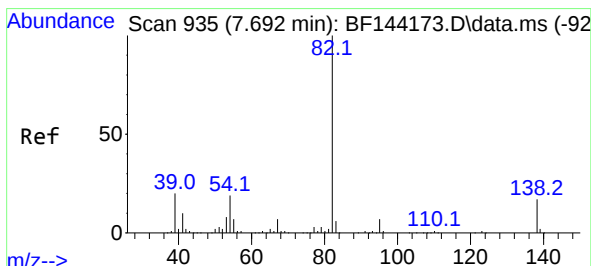
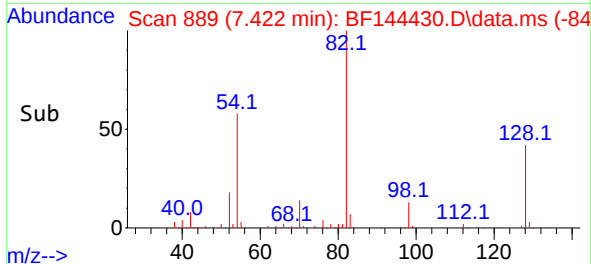
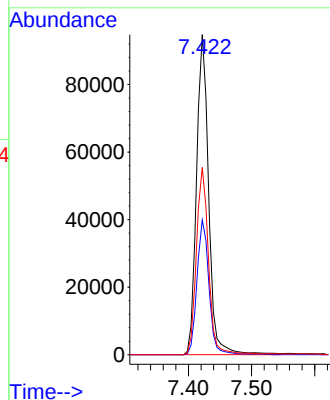
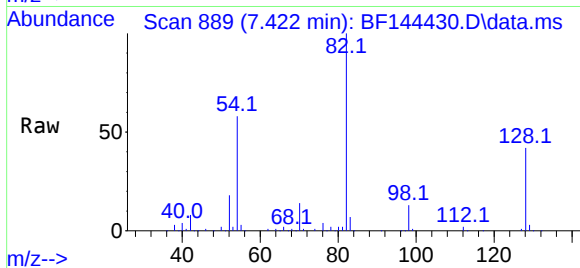




#23
Nitrobenzene-d5
Concen: 48.344 ng
RT: 7.422 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

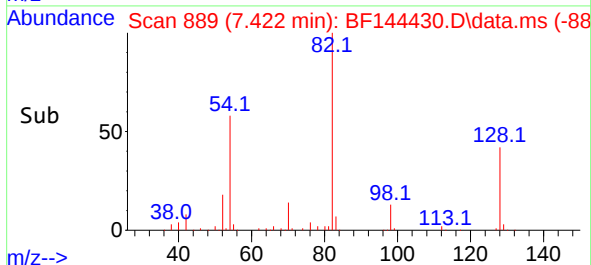
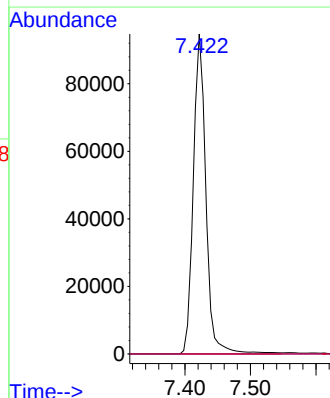
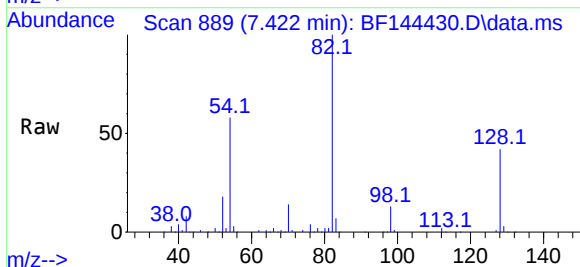
Instrument :
BNA_F
ClientSampleId :
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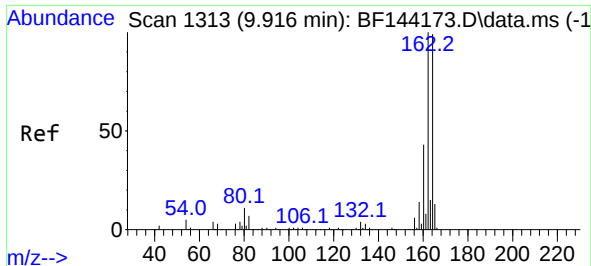
Tgt Ion: 82 Resp: 126553
Ion Ratio Lower Upper
82 100
128 42.1 34.7 52.1
54 58.5 49.5 74.3



#25
Isophorone
Concen: 25.558 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.265 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion: 82 Resp: 126552
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#

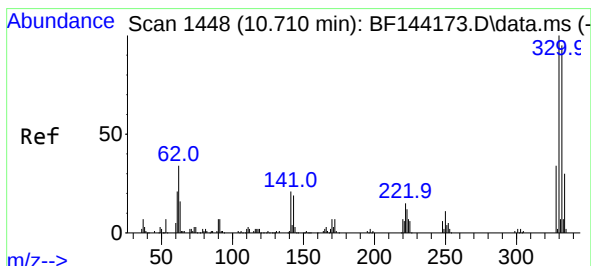
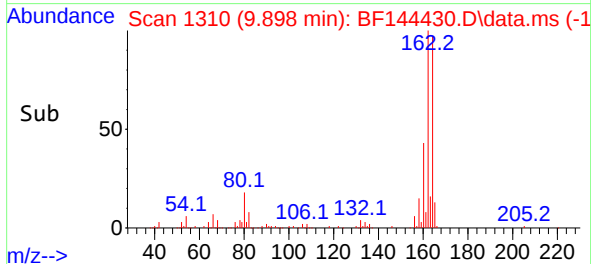
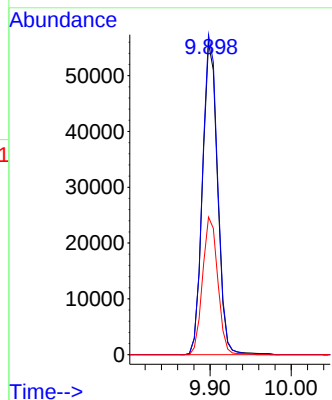
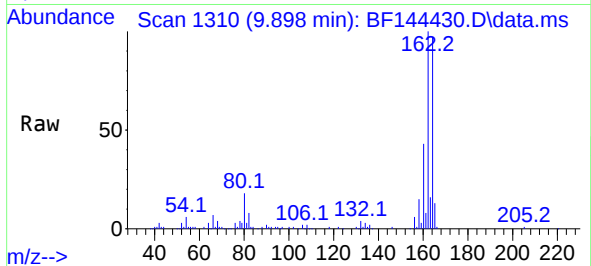




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

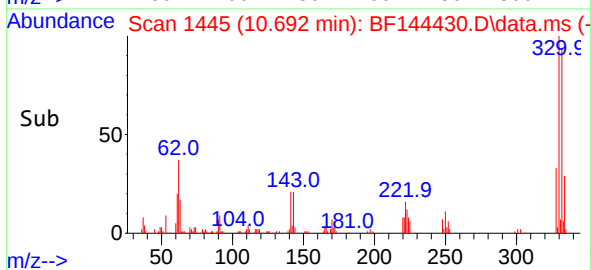
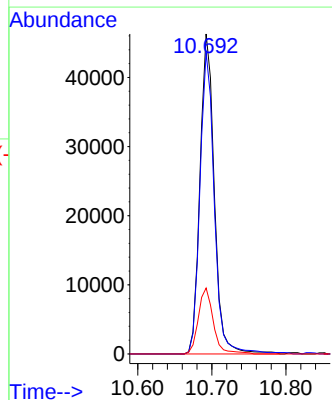
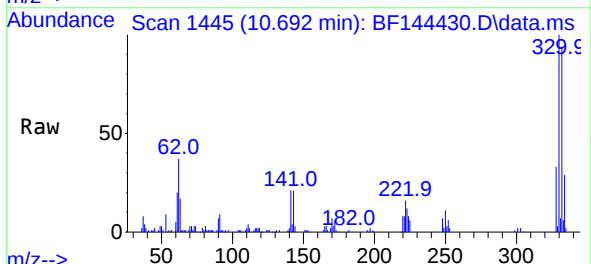
Instrument :
BNA_F
ClientSampleId :
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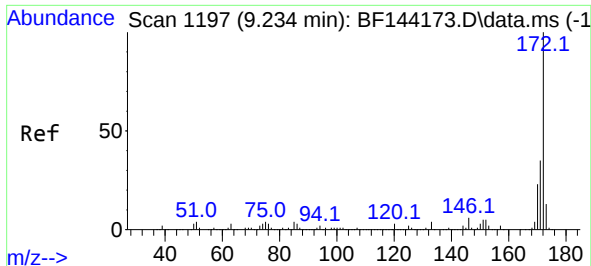
Tgt Ion:164 Resp: 72094
Ion Ratio Lower Upper
164 100
162 102.6 81.1 121.7
160 44.1 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 68.619 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:330 Resp: 62079
Ion Ratio Lower Upper
330 100
332 94.4 76.7 115.1
141 21.6 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 53.605 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144430.D

Acq: 04 Dec 2025 15:08

Instrument :

BNA_F

ClientSampleId :

346

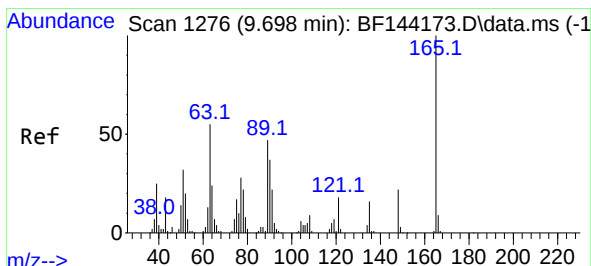
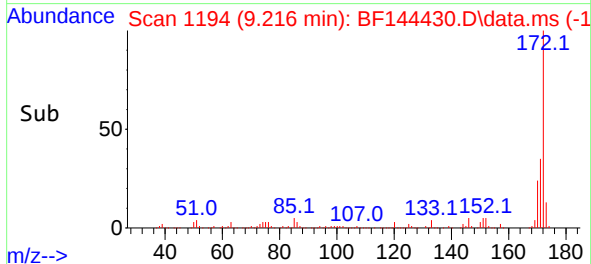
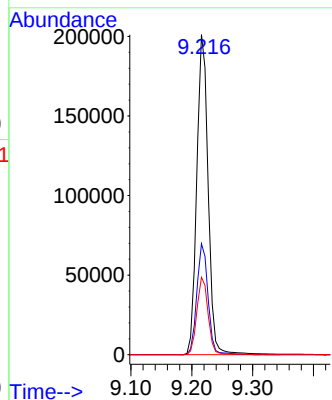
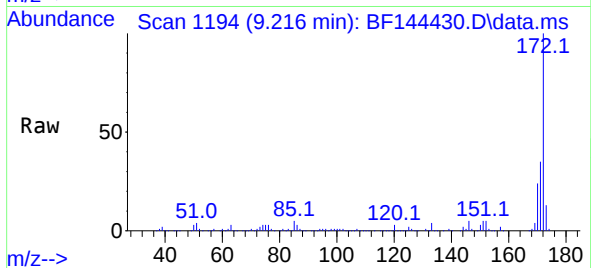
Tgt Ion:172 Resp: 261663

Ion Ratio Lower Upper

172 100

171 34.6 28.1 42.1

170 24.2 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 9.851 ng

RT: 9.898 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF144430.D

Acq: 04 Dec 2025 15:08

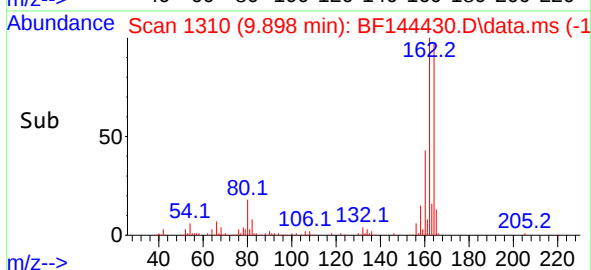
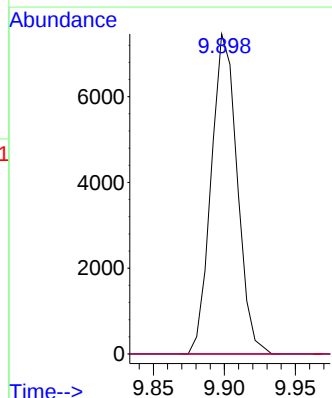
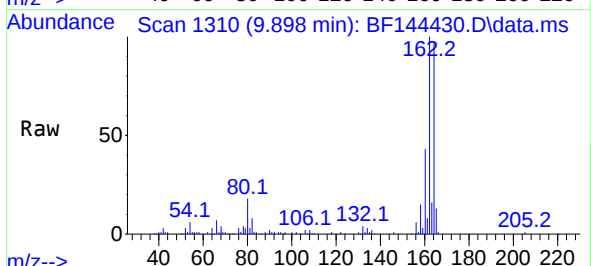
Tgt Ion:165 Resp: 9524

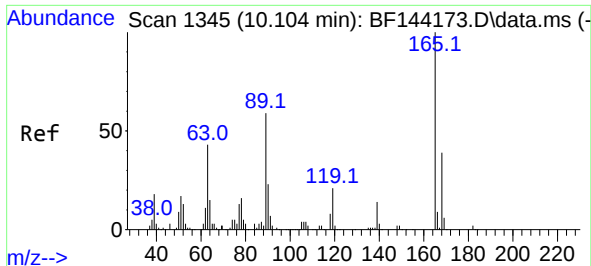
Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#

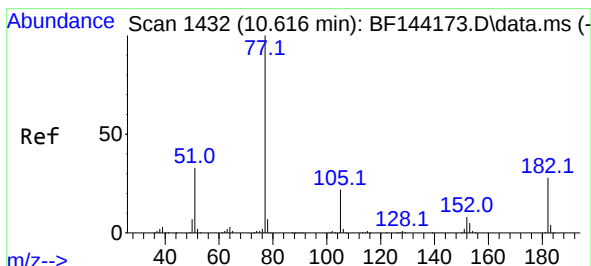
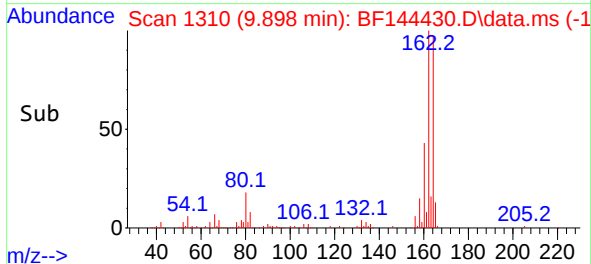
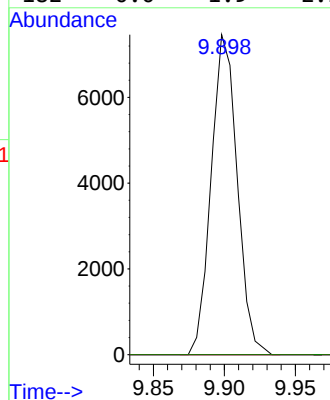
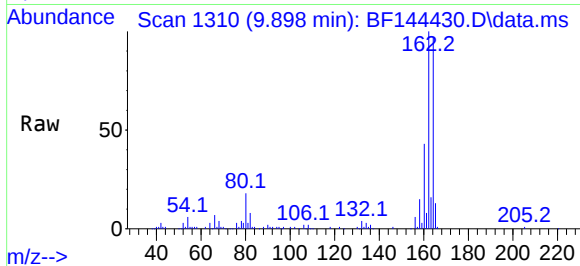




#57
2,4-Dinitrotoluene
Concen: 7.358 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

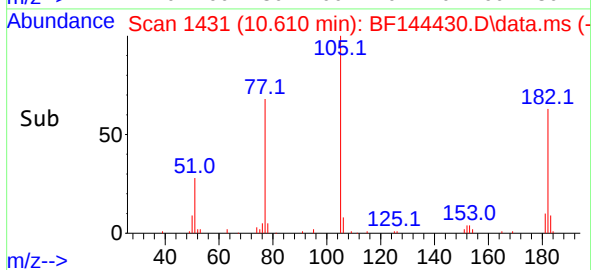
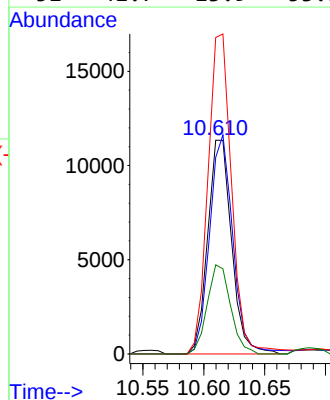
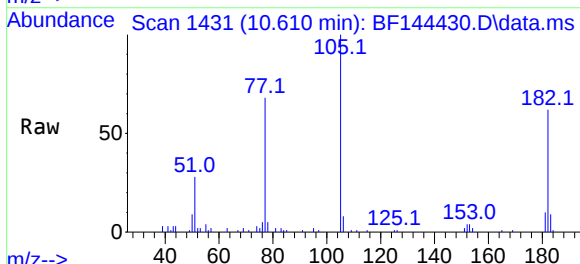
Instrument :
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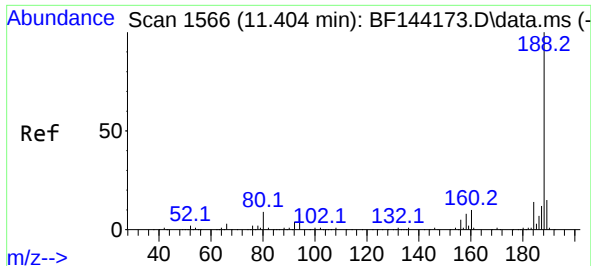
Tgt Ion:165 Resp: 9524
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 3.792 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion: 77 Resp: 15537
Ion Ratio Lower Upper
77 100
182 92.0 8.1 48.1#
105 148.1 2.0 42.0#
51 41.7 13.9 53.9

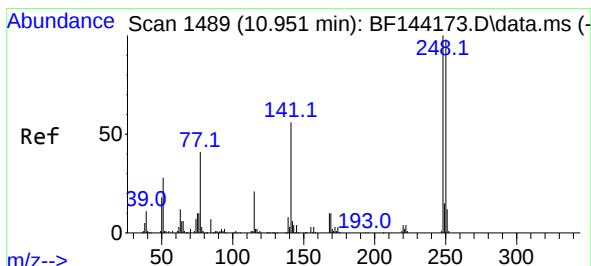
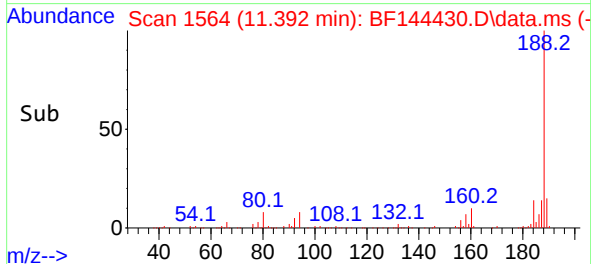
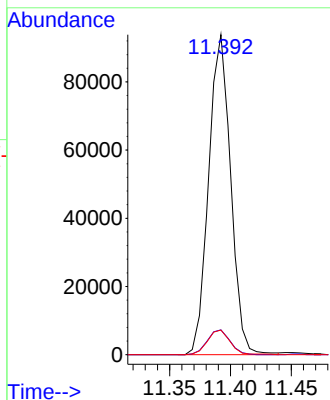
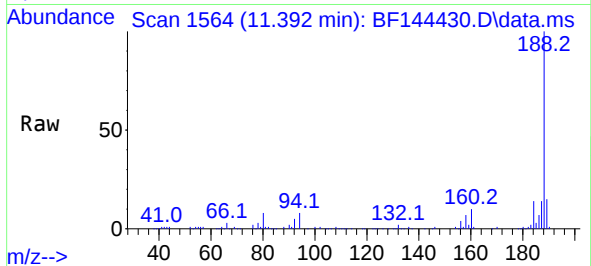




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

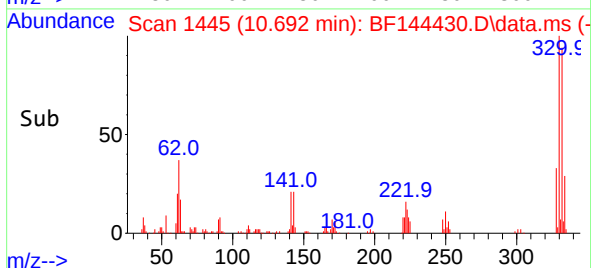
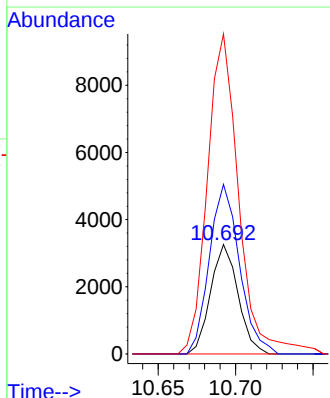
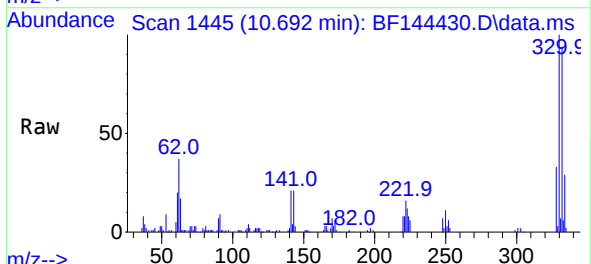
Instrument :
BNA_F
ClientSampleId :
346

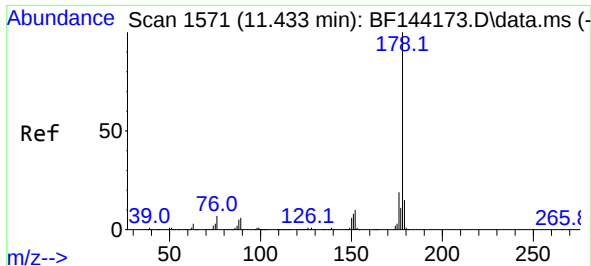
Tgt Ion:188 Resp: 118474
Ion Ratio Lower Upper
188 100
94 7.8 6.2 9.2
80 7.7 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 2.658 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:248 Resp: 4019
Ion Ratio Lower Upper
248 100
250 155.0 78.4 117.6#
141 292.4 45.1 67.7#

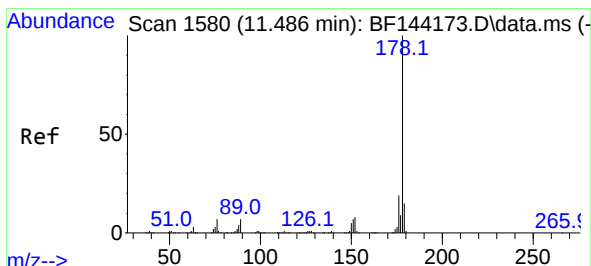
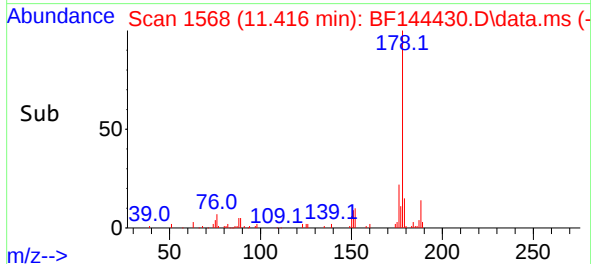
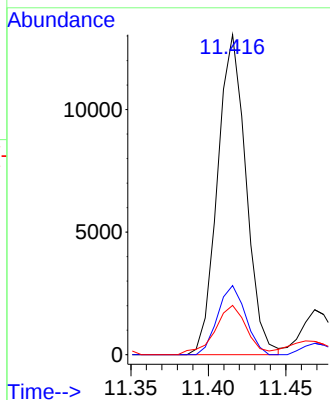
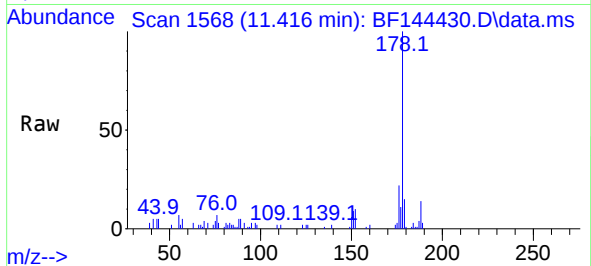




#71
Phenanthrene
Concen: 2.828 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

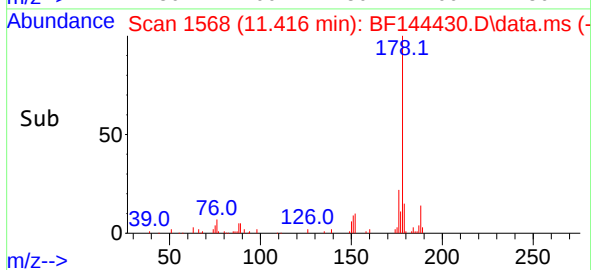
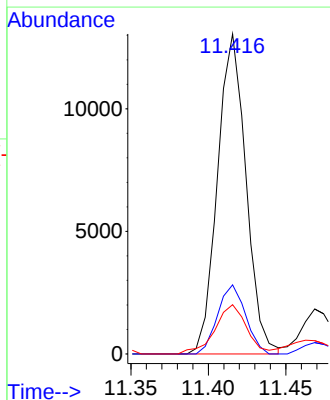
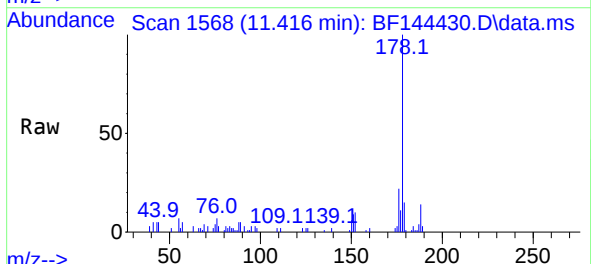
Instrument :
BNA_F
ClientSampleId :
346

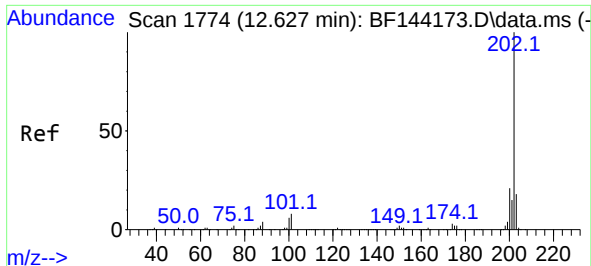
Tgt Ion:178	Resp:	16680
Ion Ratio	Lower	Upper
178	100	
176	21.6	15.5 23.3
179	15.4	12.2 18.4



#72
Anthracene
Concen: 2.781 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.065 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:178	Resp:	16680
Ion Ratio	Lower	Upper
178	100	
176	21.6	15.3 22.9
179	15.4	12.0 18.0

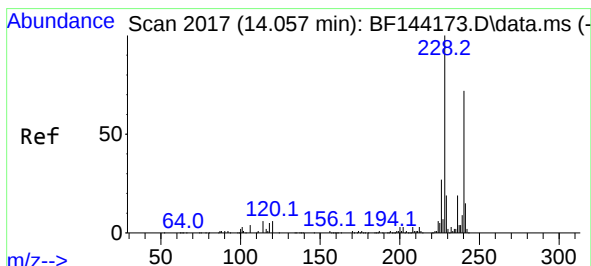
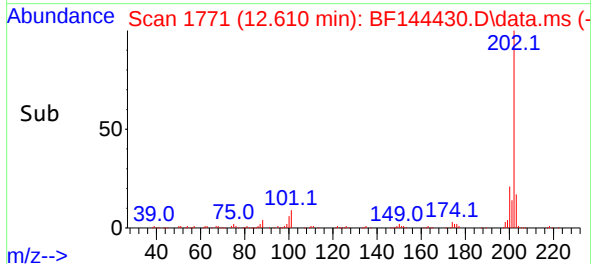
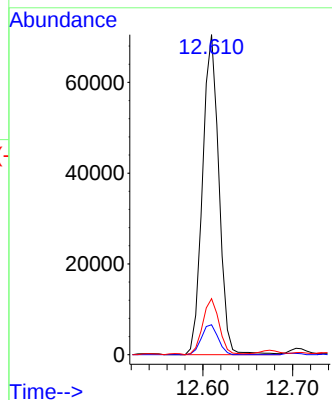
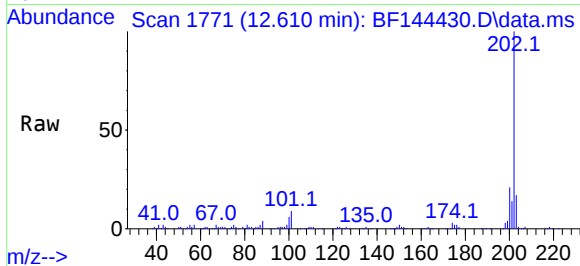




#75
Fluoranthene
Concen: 14.668 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

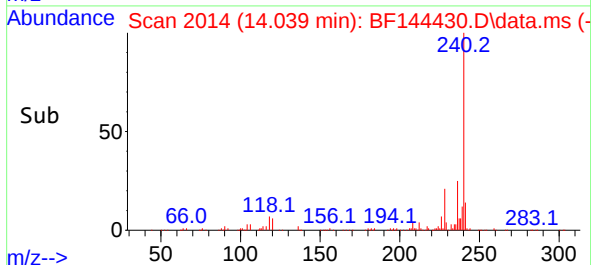
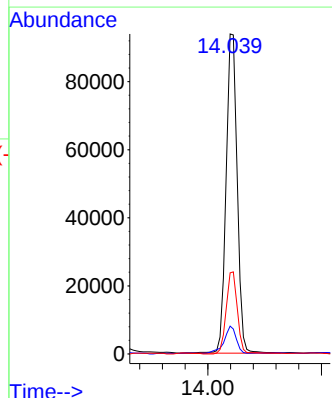
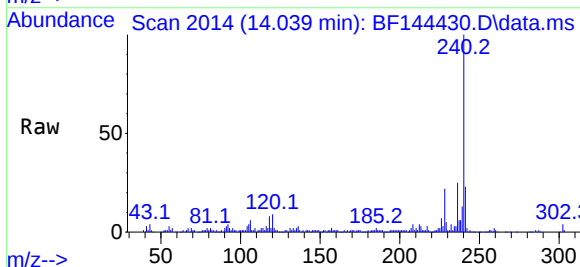
Instrument :
BNA_F
ClientSampleId :
346

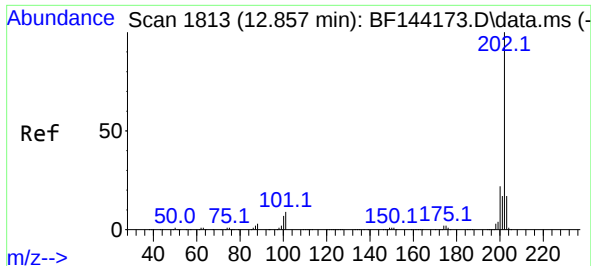
Tgt Ion:	202	Resp:	89377
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	27.9
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:	240	Resp:	127946
Ion Ratio	Lower	Upper	
240	100		
120	8.7	6.6	10.0
236	25.4	21.4	32.2

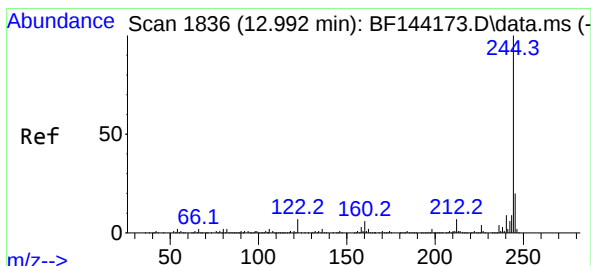
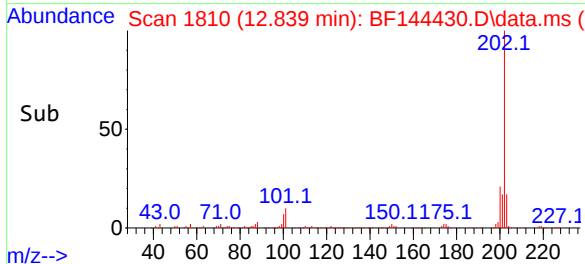
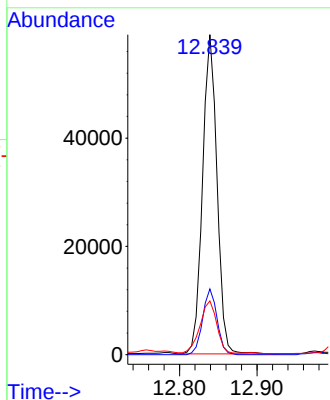
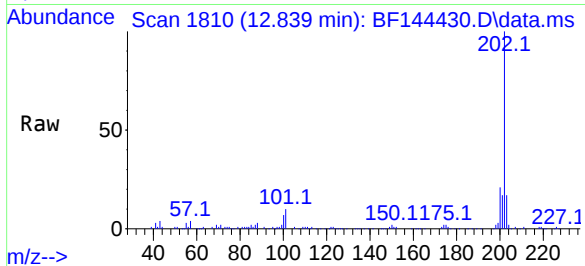




#78
Pyrene
Concen: 7.392 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

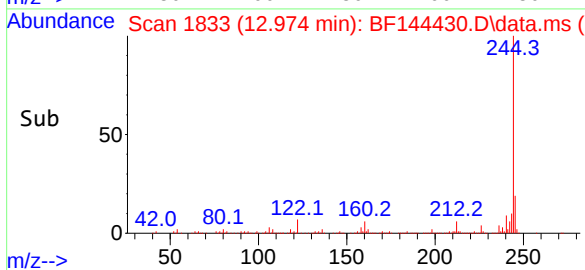
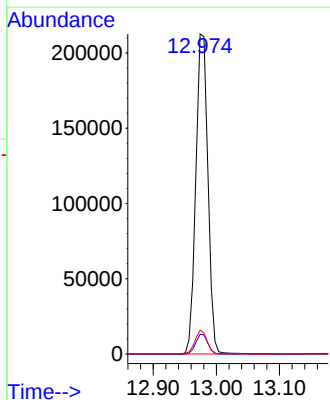
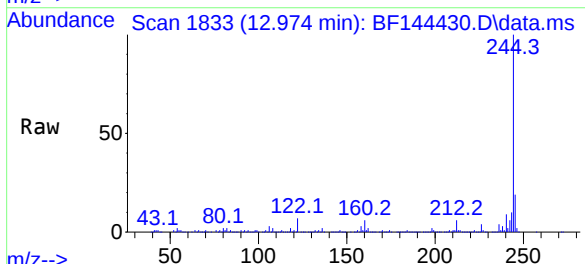
Instrument :
BNA_F
ClientSampleId :
346

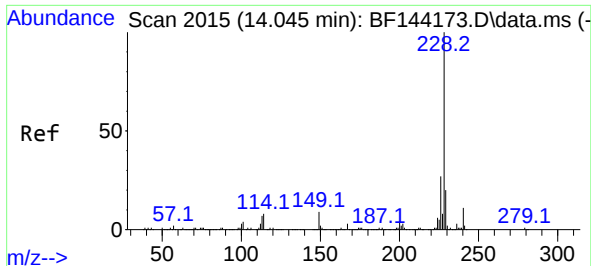
Tgt Ion:	202	Resp:	76253
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.2	25.8
203	16.8	13.7	20.5



#79
Terphenyl-d14
Concen: 35.102 ng
RT: 12.974 min Scan# 1833
Delta R.T. -0.018 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:	244	Resp:	282745
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.3	7.9
122	7.4	5.6	8.4

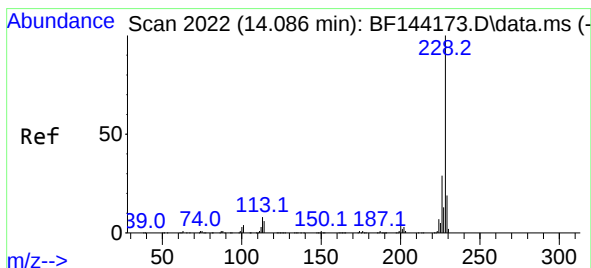
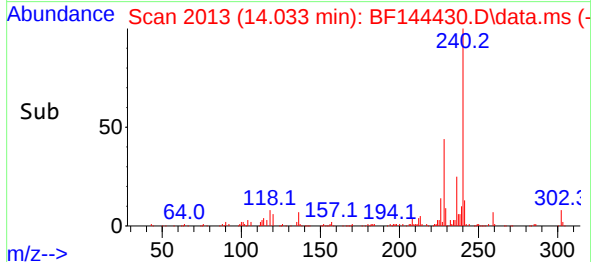
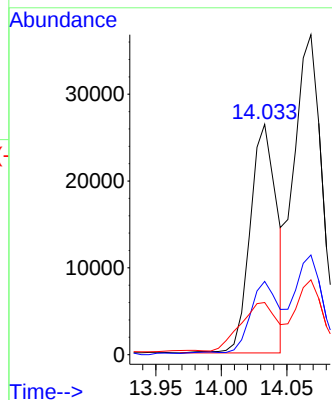
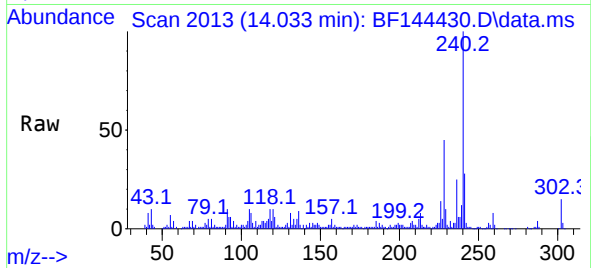




#81
Benzo(a)anthracene
Concen: 4.167 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

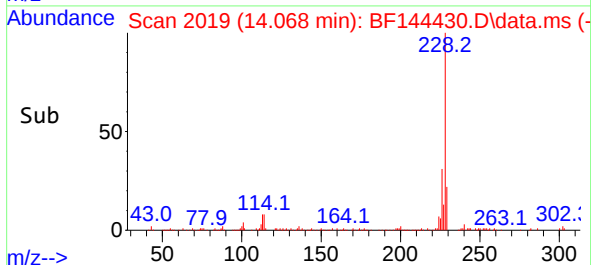
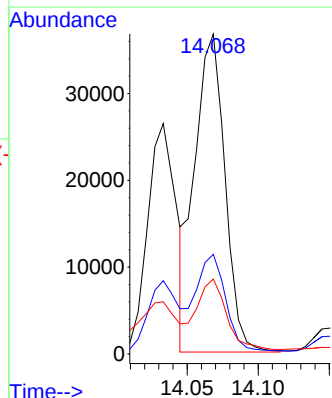
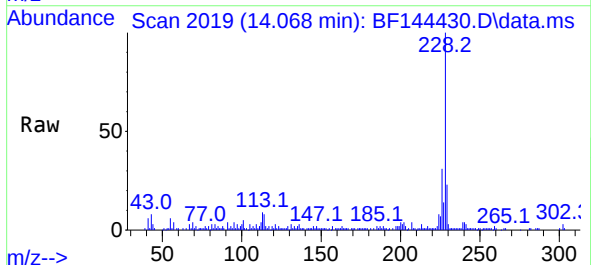
Instrument :
BNA_F
ClientSampleId :
346

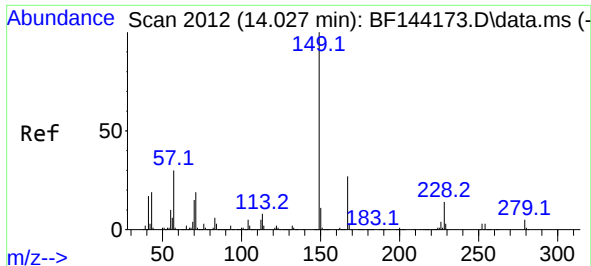
Tgt Ion:228 Resp: 36949
Ion Ratio Lower Upper
228 100
226 31.8 21.8 32.8
229 22.6 15.8 23.6



#83
Chrysene
Concen: 6.642 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:228 Resp: 54374
Ion Ratio Lower Upper
228 100
226 31.1 22.9 34.3
229 23.4 15.0 22.6#

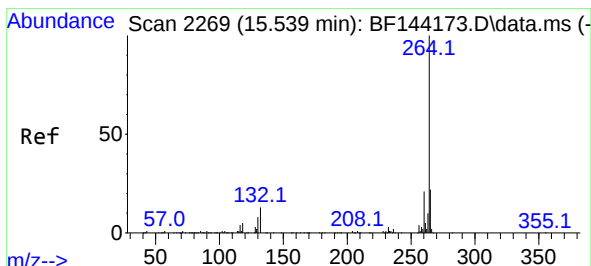
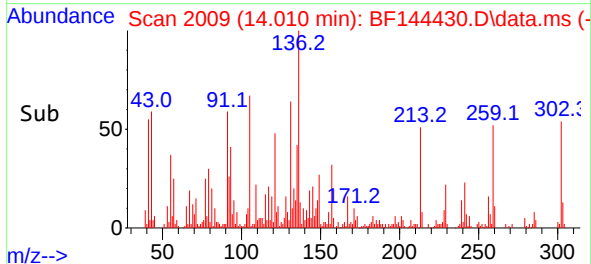
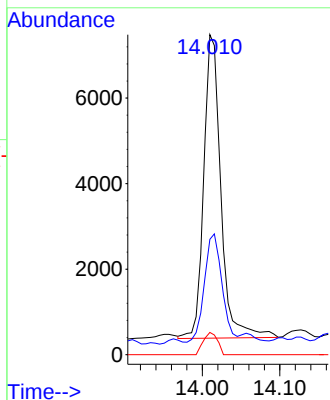
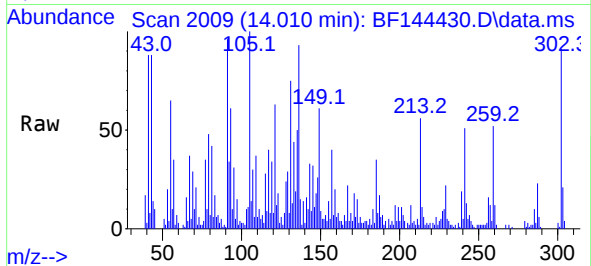




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.227 ng
RT: 14.010 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

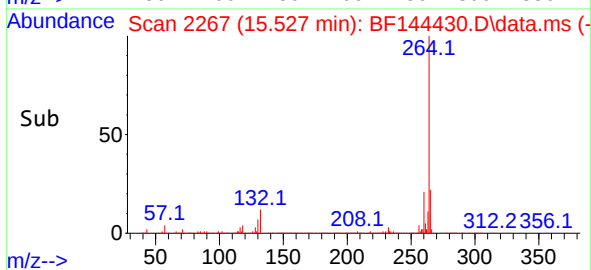
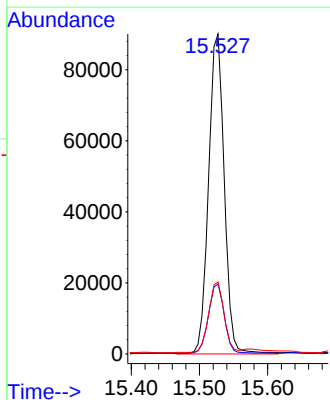
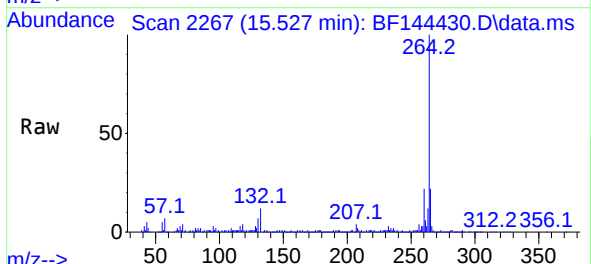
Instrument :
BNA_F
ClientSampleId :
346

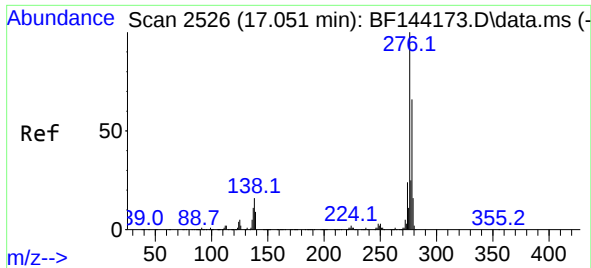
Tgt Ion:149 Resp: 10899
Ion Ratio Lower Upper
149 100
167 36.1 21.8 32.8#
279 7.0 3.7 5.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:264 Resp: 144563
Ion Ratio Lower Upper
264 100
260 21.8 17.1 25.7
265 22.5 17.4 26.0

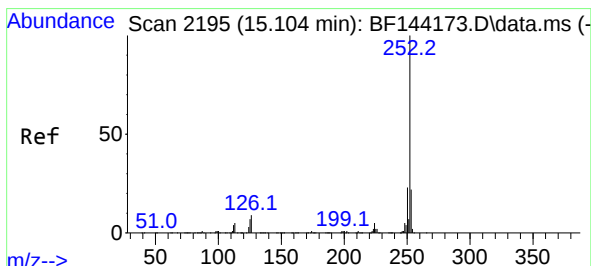
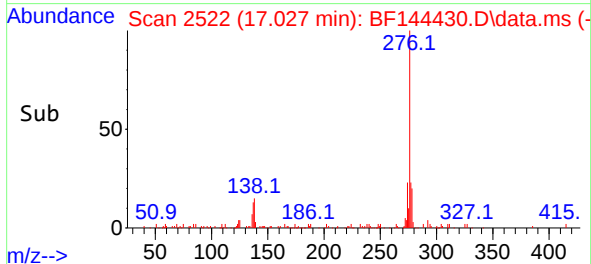
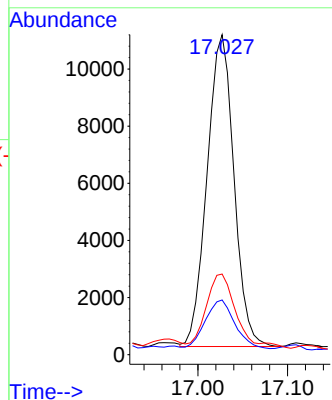
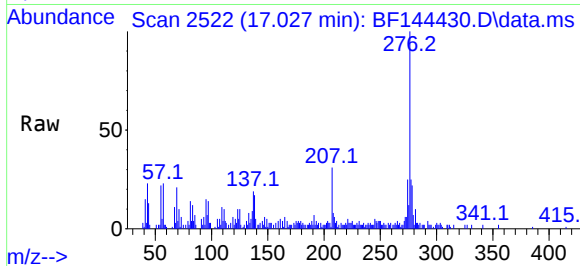




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.190 ng
 RT: 17.027 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF144430.D
 Acq: 04 Dec 2025 15:08

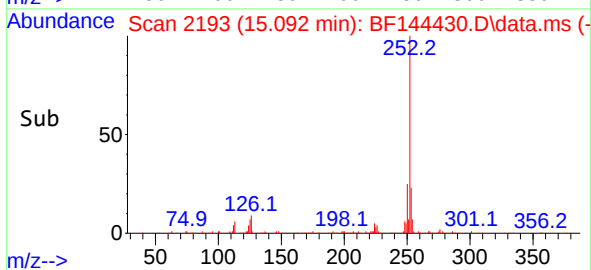
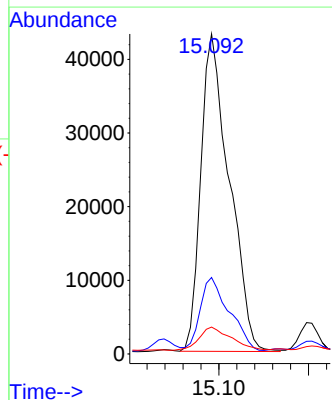
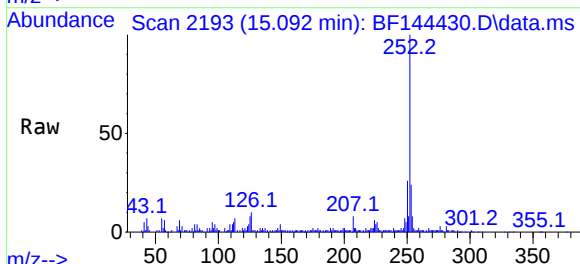
Instrument :
 BNA_F
 ClientSampleId :
 346

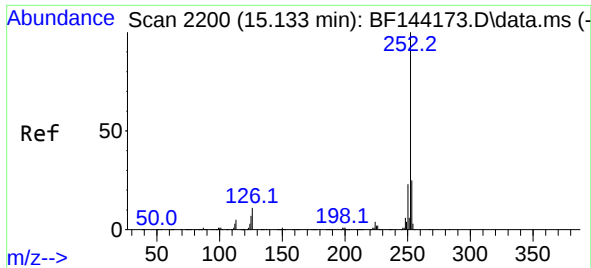
Tgt Ion:	276	Resp:	22731
Ion Ratio	Lower	Upper	
276	100		
138	17.0	13.9	20.9
277	26.4	19.8	29.6



#88
 Benzo(b)fluoranthene
 Concen: 11.536 ng
 RT: 15.092 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF144430.D
 Acq: 04 Dec 2025 15:08

Tgt Ion:	252	Resp:	94813
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.2
125	8.4	5.3	7.9





#89

Benzo(k)fluoranthene

Concen: 12.325 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF144430.D

Acq: 04 Dec 2025 15:08

Instrument :

BNA_F

ClientSampleId :

346

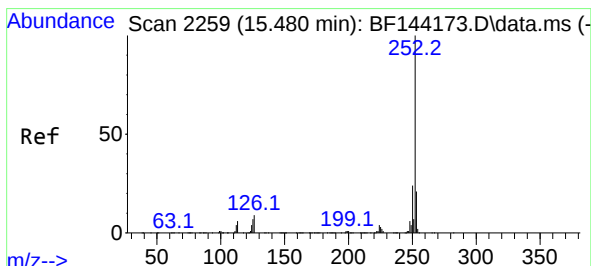
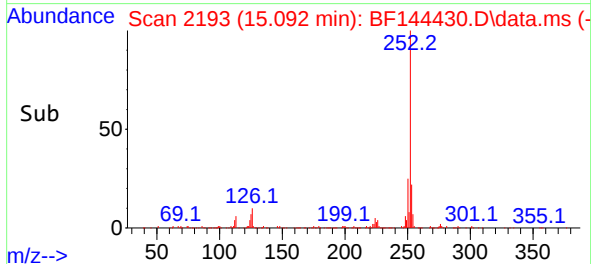
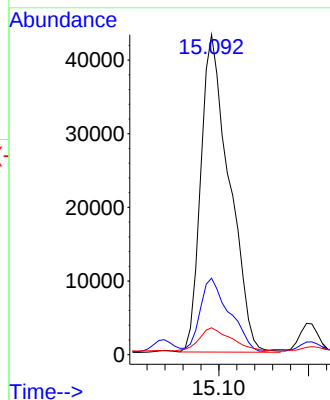
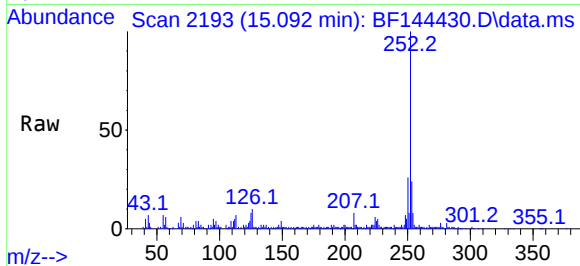
Tgt Ion:252 Resp: 94813

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

125 8.4 5.4 8.2#



#90

Benzo(a)pyrene

Concen: 5.177 ng

RT: 15.462 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF144430.D

Acq: 04 Dec 2025 15:08

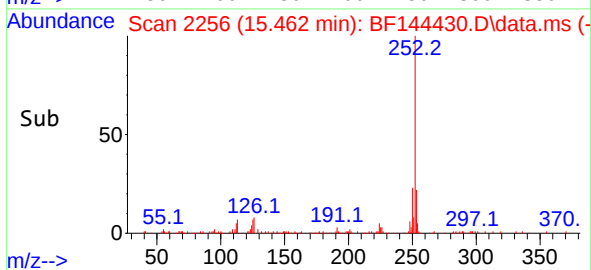
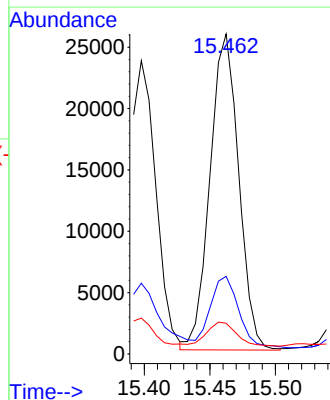
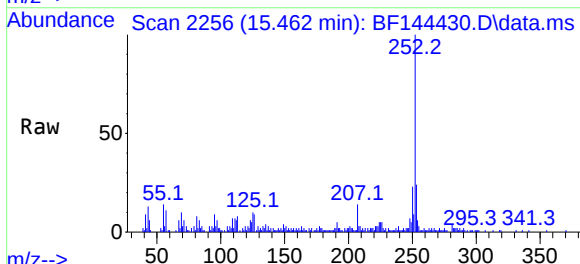
Tgt Ion:252 Resp: 39254

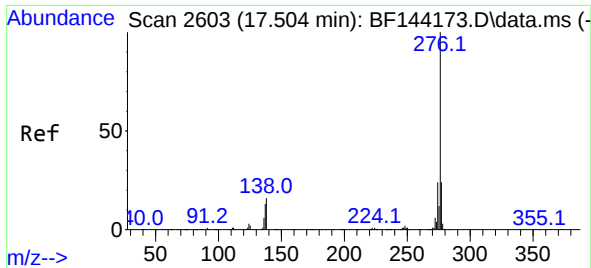
Ion Ratio Lower Upper

252 100

253 24.3 16.7 25.1

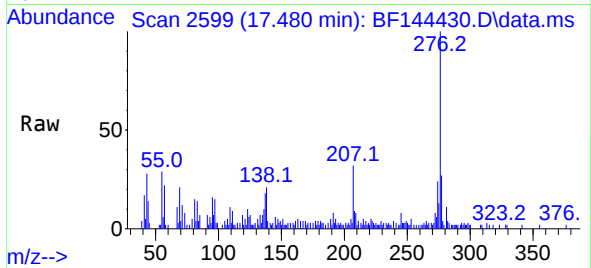
125 9.6 5.7 8.5#





#92
Benzo(g,h,i)perylene
Concen: 2.921 ng
RT: 17.480 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Instrument :
BNA_F
ClientSampleId :
346



Tgt Ion:276 Resp: 24043
Ion Ratio Lower Upper
276 100
277 26.6 19.0 28.4
138 20.5 12.9 19.3#

