

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143925.D
 Acq On : 10 Oct 2025 15:23
 Operator : RC/JU
 Sample : Q3322-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100925

Quant Time: Oct 10 15:50:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

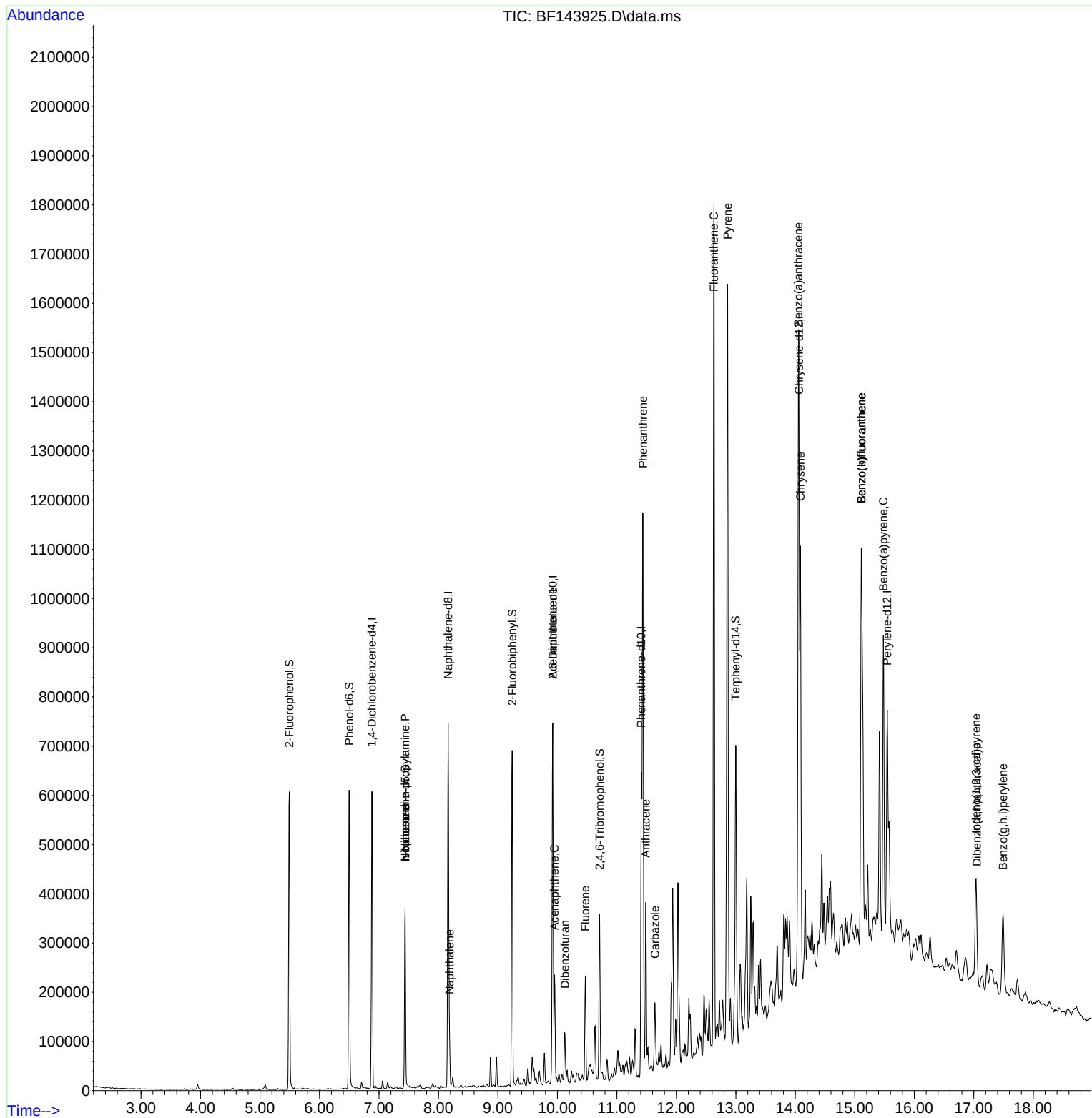
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	120482	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	445685	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	220860	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	331208	20.000	ng	0.00
76) Chrysene-d12	14.063	240	282779	20.000	ng	0.00
86) Perylene-d12	15.545	264	295476	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	235052	30.981	ng	0.00
7) Phenol-d6	6.498	99	264186	29.213	ng	-0.02
23) Nitrobenzene-d5	7.439	82	158325	21.583	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	50388	22.906	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	317712	22.826	ng	-0.01
79) Terphenyl-d14	12.998	244	289836	17.517	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	21068	3.403	ng	# 76
25) Isophorone	7.439	82	126134	8.155	ng	# 68
31) Naphthalene	8.186	128	48867	2.410	ng	99
51) 2,6-Dinitrotoluene	9.922	165	29772	11.447	ng	# 26
52) Acenaphthene	9.951	154	63457	5.650	ng	95
55) Dibenzofuran	10.128	168	47575	3.001	ng	96
58) Fluorene	10.469	166	82984	6.937	ng	98
71) Phenanthrene	11.439	178	639871	39.850	ng	100
72) Anthracene	11.486	178	206124	12.707	ng	98
73) Carbazole	11.639	167	76003	5.290	ng	98
75) Fluoranthene	12.633	202	1067525	64.364	ng	99
78) Pyrene	12.863	202	977631	41.469	ng	99
81) Benzo(a)anthracene	14.051	228	585438	31.636	ng	96
83) Chrysene	14.086	228	475934	27.789	ng	98
87) Indeno(1,2,3-cd)pyrene	17.039	276	169069	9.338	ng	99
88) Benzo(b)fluoranthene	15.110	252	777952	45.835	ng	97
89) Benzo(k)fluoranthene	15.110	252	777952	49.534	ng	98
90) Benzo(a)pyrene	15.480	252	403732	27.432	ng	96
91) Dibenzo(a,h)anthracene	17.051	278	46290	3.179	ng	# 92
92) Benzo(g,h,i)perylene	17.492	276	156320	10.735	ng	95

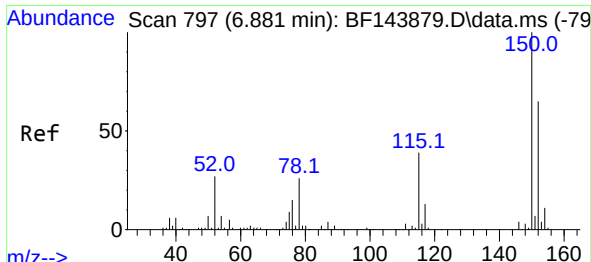
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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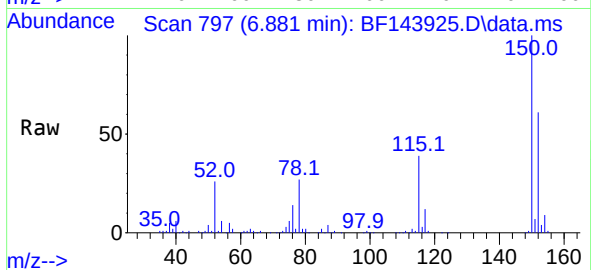
Quant Time: Oct 10 15:50:46 2025
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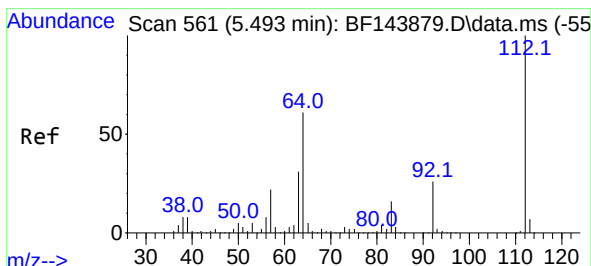
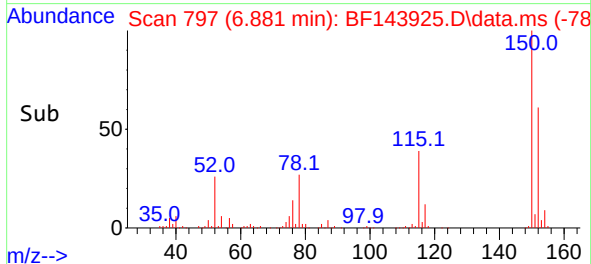
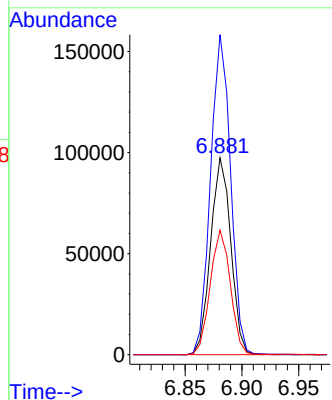


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Instrument :
BNA_F
ClientSampleId :
OR-02-100925

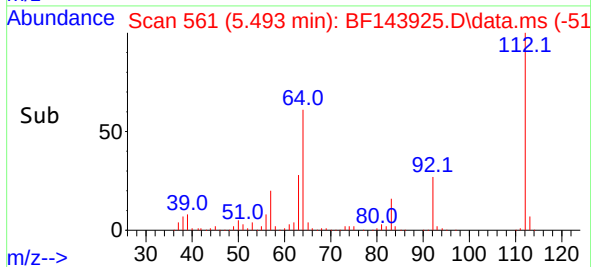
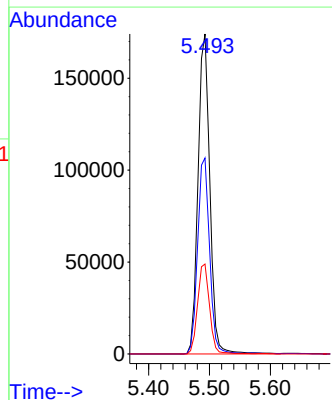
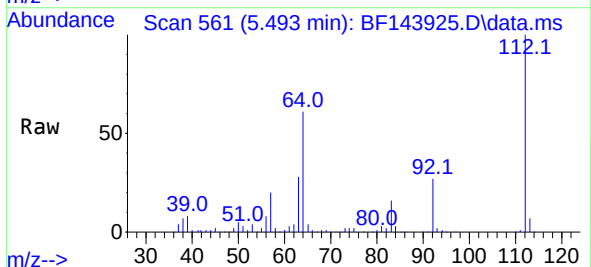


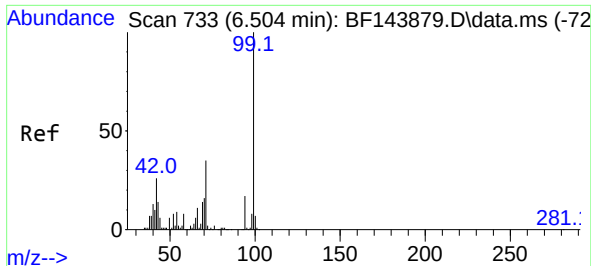
Tgt Ion:152 Resp: 120482
Ion Ratio Lower Upper
152 100
150 162.6 124.4 186.6
115 63.3 48.1 72.1



#5
2-Fluorophenol
Concen: 30.981 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:112 Resp: 235052
Ion Ratio Lower Upper
112 100
64 61.3 49.1 73.7
63 28.1 24.5 36.7

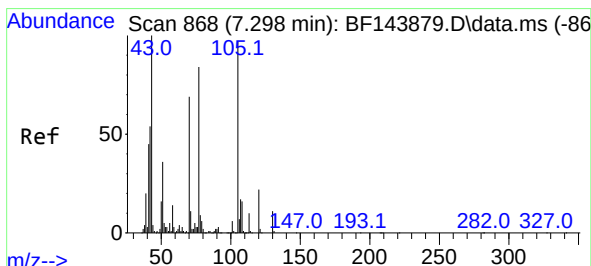
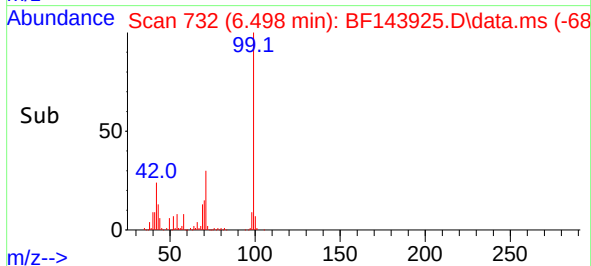
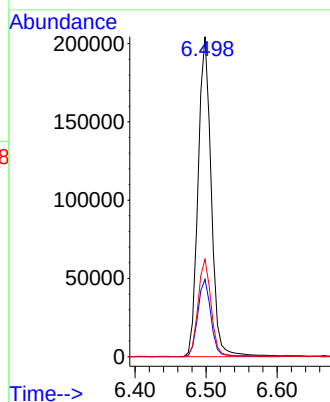
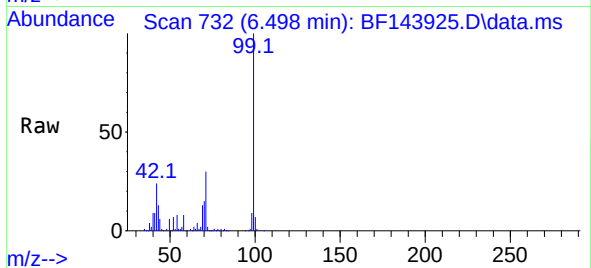




#7
Phenol-d6
Concen: 29.213 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

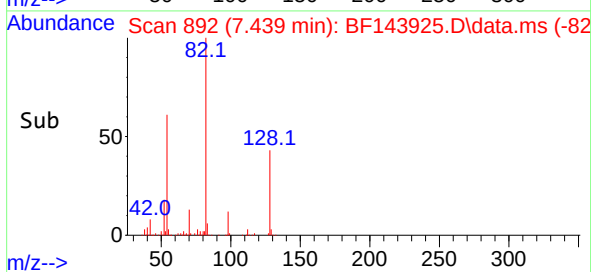
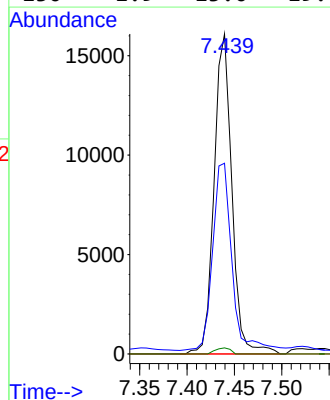
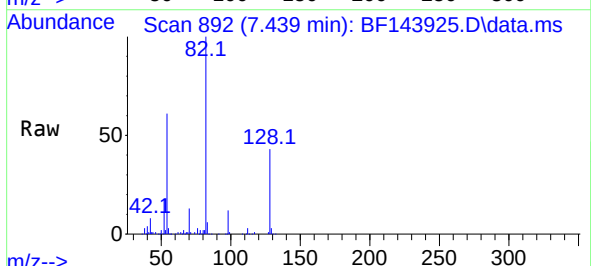
Instrument :
BNA_F
ClientSampleId :
OR-02-100925

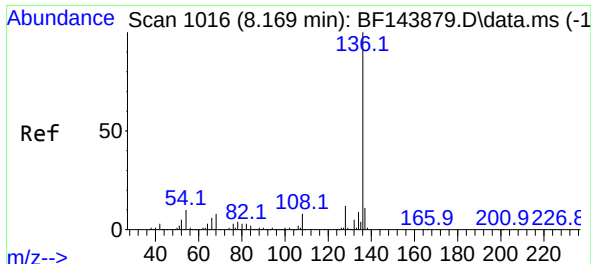
Tgt Ion: 99 Resp: 264186
Ion Ratio Lower Upper
99 100
42 24.1 21.0 31.4
71 30.4 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 3.403 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion: 70 Resp: 21068
Ion Ratio Lower Upper
70 100
42 59.6 62.8 94.2#
101 0.0 6.7 10.1#
130 1.9 13.0 19.4#



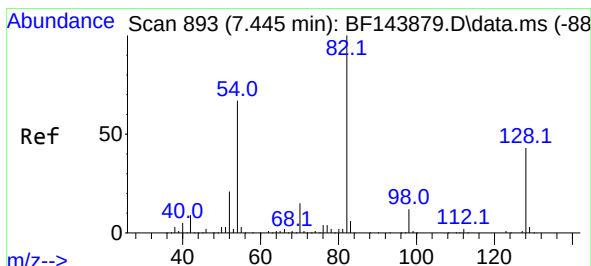
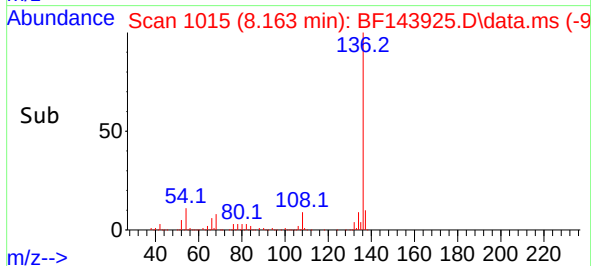
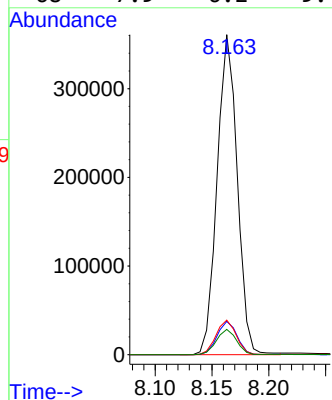
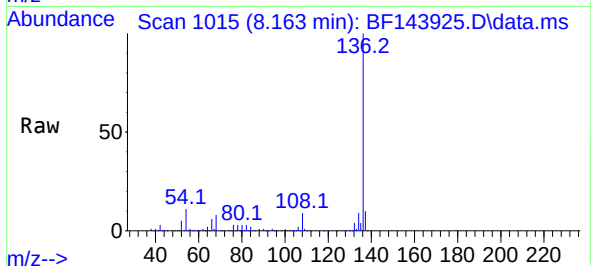


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Instrument :
BNA_F
ClientSampleId :
OR-02-100925

Tgt Ion:136 Resp: 445685

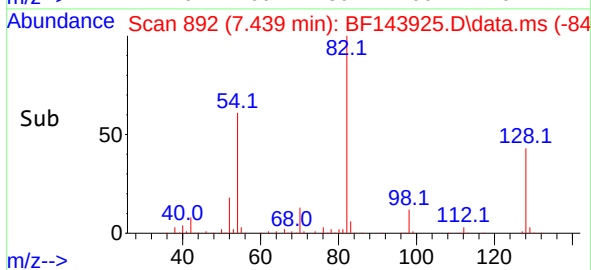
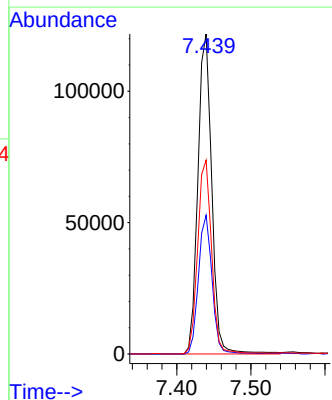
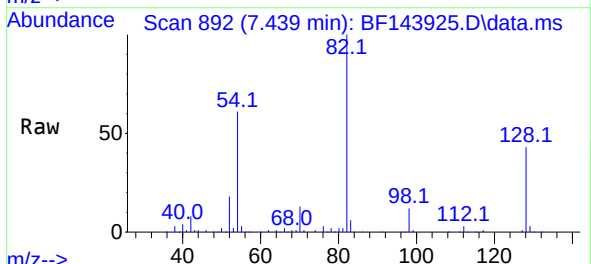
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	10.8	8.2	12.4
68	7.9	6.2	9.4

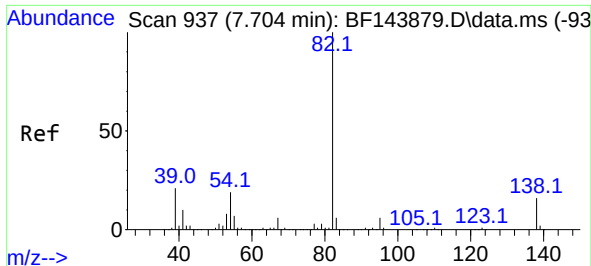


#23
Nitrobenzene-d5
Concen: 21.583 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion: 82 Resp: 158325

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	60.5	53.2	79.8

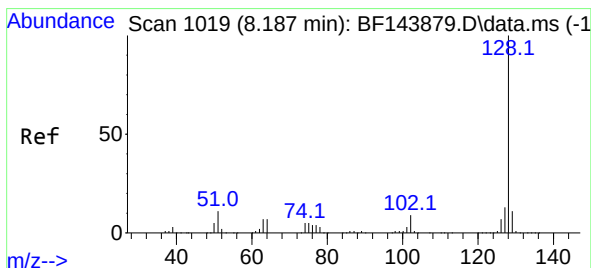
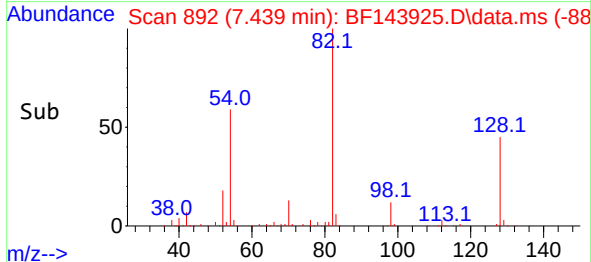
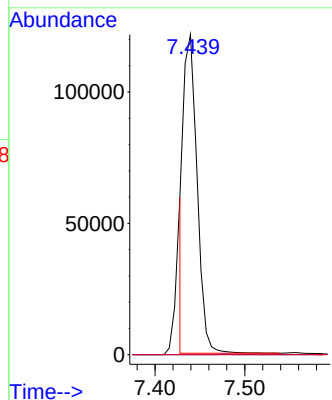
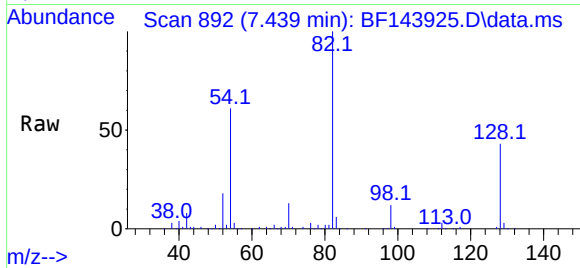




#25
Isophorone
Concen: 8.155 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

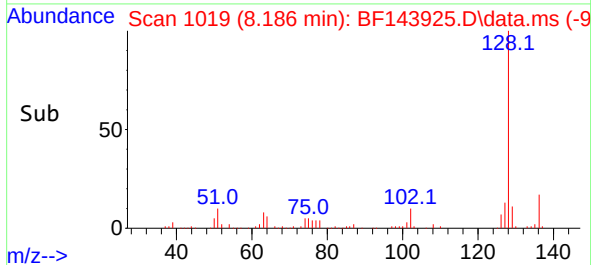
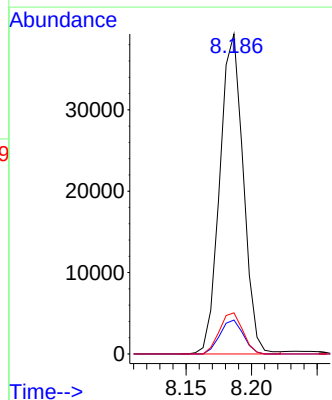
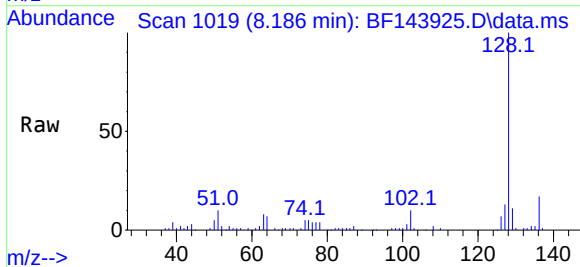
Instrument :
BNA_F
ClientSampleId :
OR-02-100925

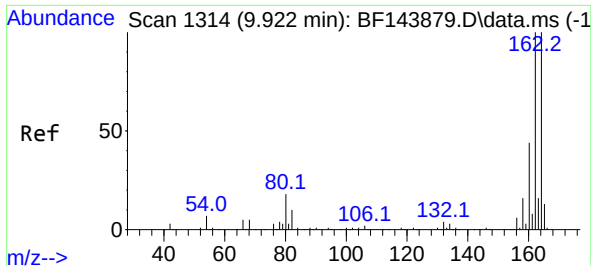
Tgt Ion: 82 Resp: 126134
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#31
Naphthalene
Concen: 2.410 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion: 128 Resp: 48867
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.8 10.0 15.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF143925.D

Acq: 10 Oct 2025 15:23

Instrument :

BNA_F

ClientSampleId :

OR-02-100925

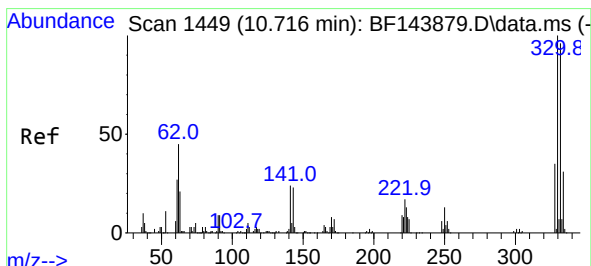
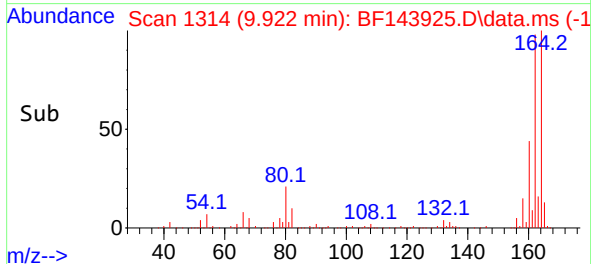
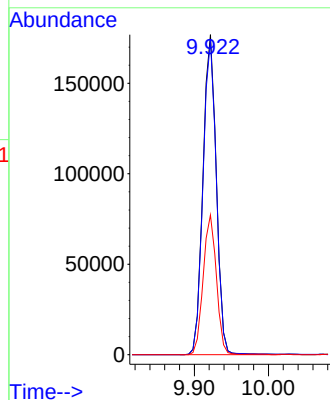
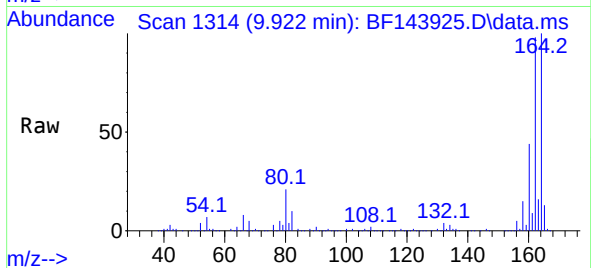
Tgt Ion:164 Resp: 220860

Ion Ratio Lower Upper

164 100

162 98.3 80.2 120.2

160 43.6 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 22.906 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.012 min

Lab File: BF143925.D

Acq: 10 Oct 2025 15:23

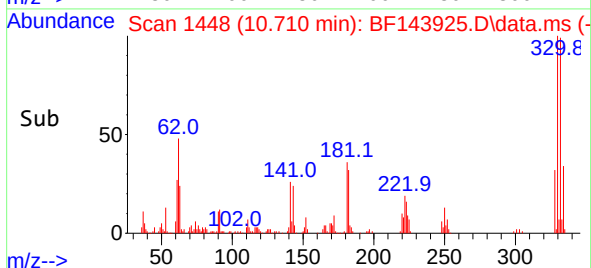
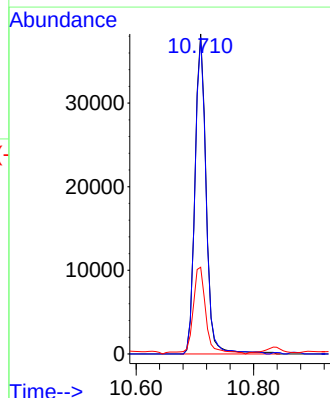
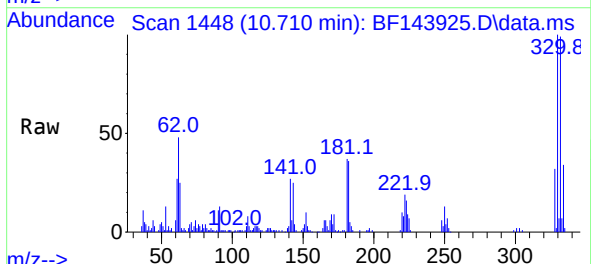
Tgt Ion:330 Resp: 50388

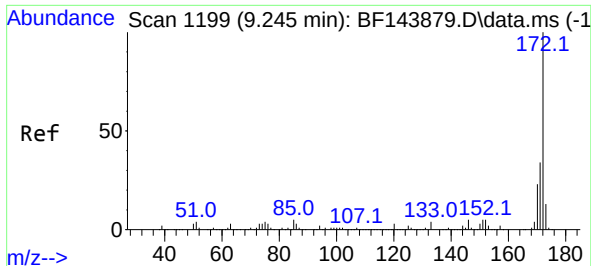
Ion Ratio Lower Upper

330 100

332 98.6 76.9 115.3

141 31.5 20.2 30.4#





#45

2-Fluorobiphenyl

Concen: 22.826 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF143925.D

Acq: 10 Oct 2025 15:23

Instrument :

BNA_F

ClientSampleId :

OR-02-100925

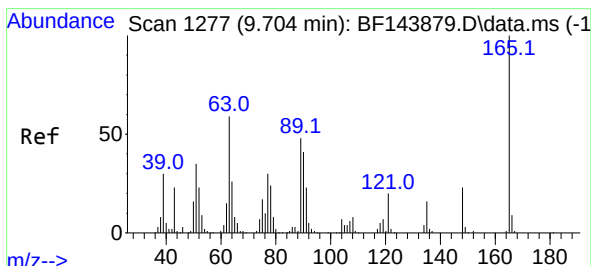
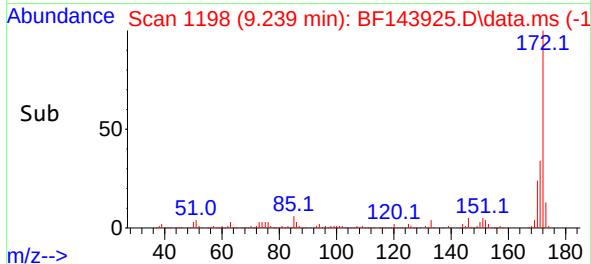
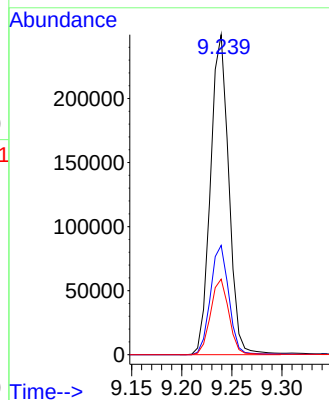
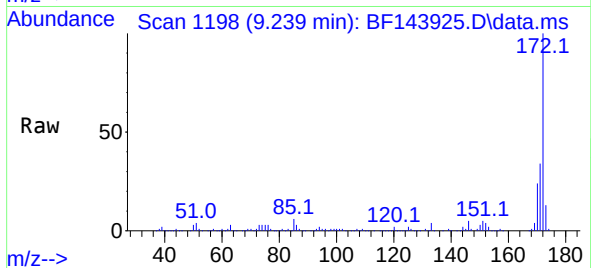
Tgt Ion:172 Resp: 317712

Ion Ratio Lower Upper

172 100

171 34.1 27.4 41.0

170 23.6 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 11.447 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.206 min

Lab File: BF143925.D

Acq: 10 Oct 2025 15:23

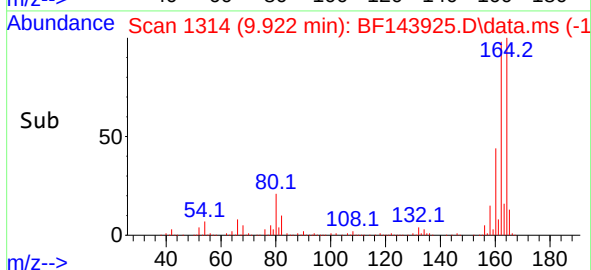
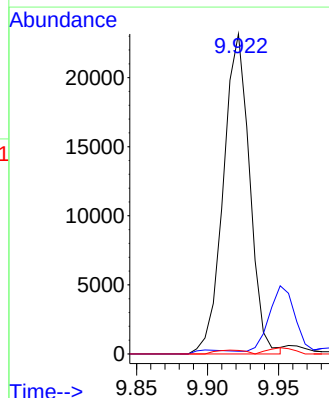
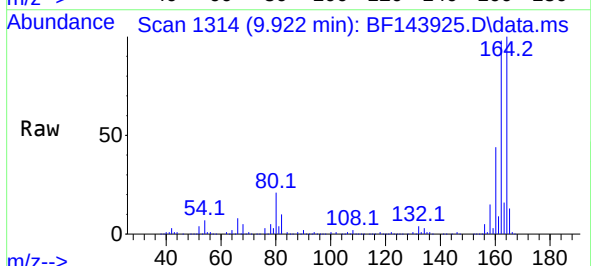
Tgt Ion:165 Resp: 29772

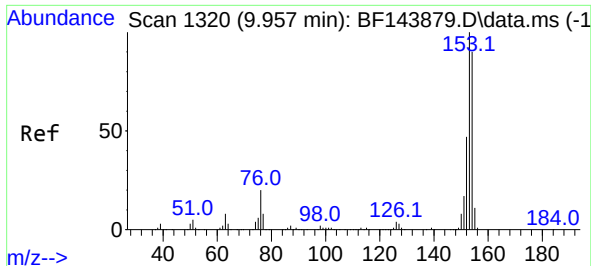
Ion Ratio Lower Upper

165 100

63 0.8 47.3 70.9#

89 1.1 38.2 57.4#

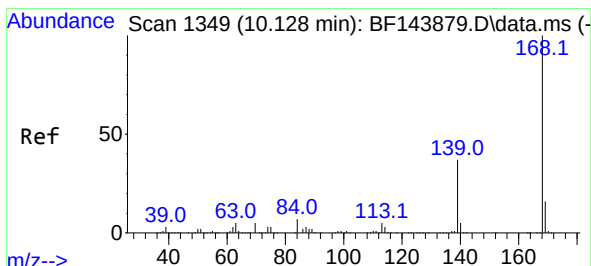
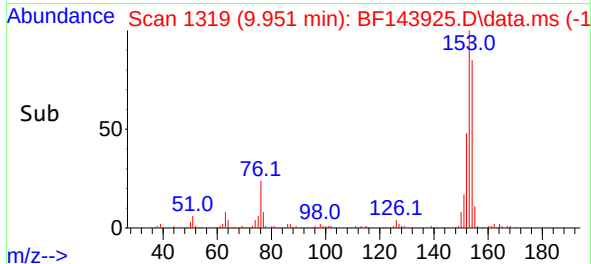
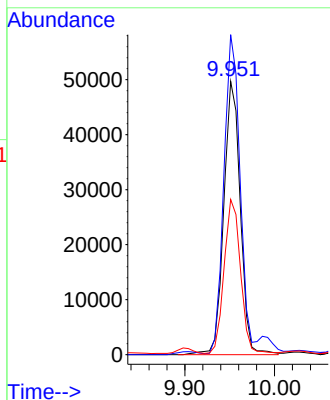
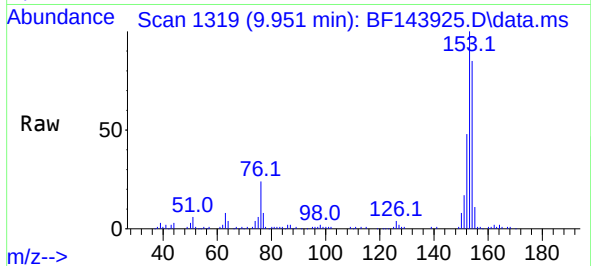




#52
Acenaphthene
Concen: 5.650 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

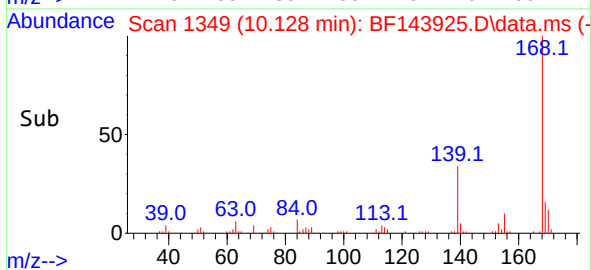
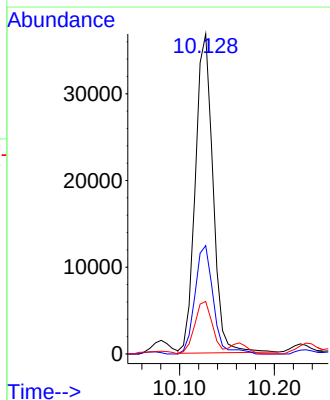
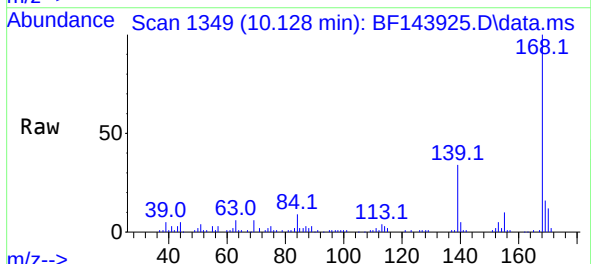
Instrument :
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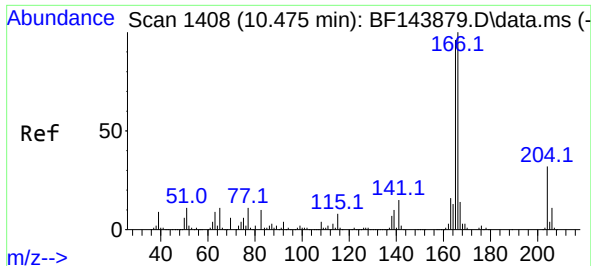
Tgt Ion:154 Resp: 63457
Ion Ratio Lower Upper
154 100
153 117.1 89.3 133.9
152 56.8 42.2 63.2



#55
Dibenzofuran
Concen: 3.001 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:168 Resp: 47575
Ion Ratio Lower Upper
168 100
139 33.8 29.8 44.8
169 16.4 12.8 19.2

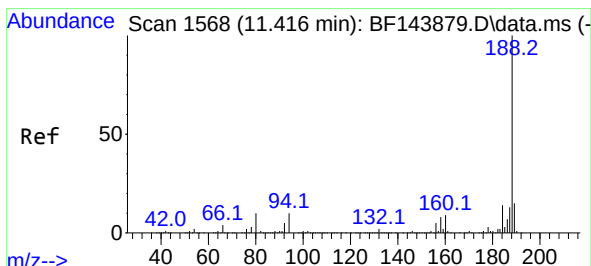
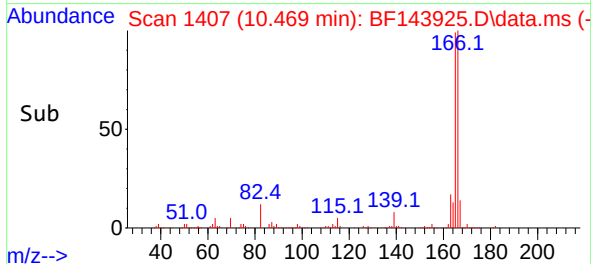
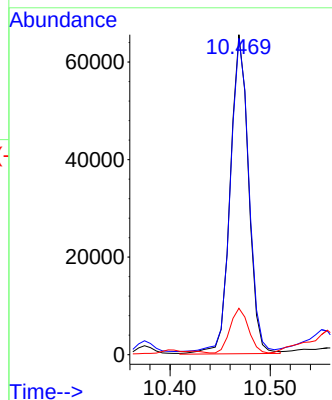
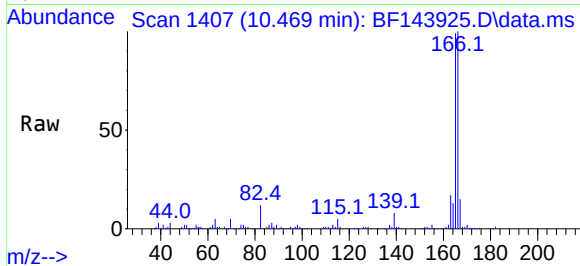




#58
Fluorene
Concen: 6.937 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

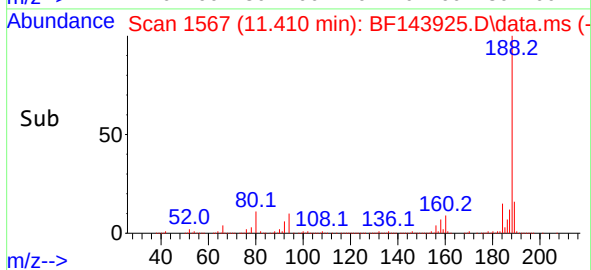
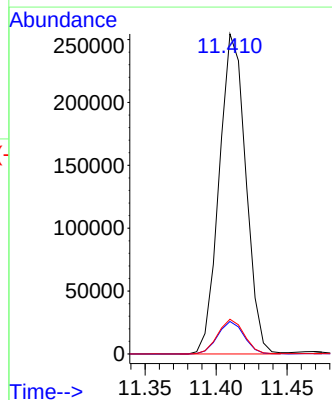
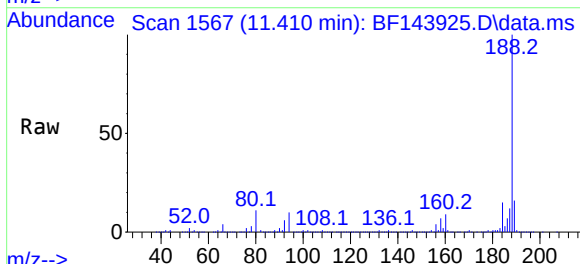
Instrument :
BNA_F
ClientSampleId :
OR-02-100925

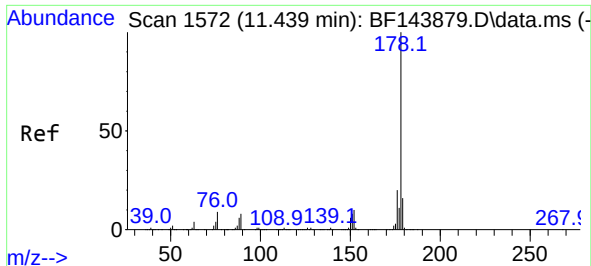
Tgt Ion:166 Resp: 82984
Ion Ratio Lower Upper
166 100
165 98.8 77.0 115.6
167 14.5 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:188 Resp: 331208
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 10.8 7.9 11.9

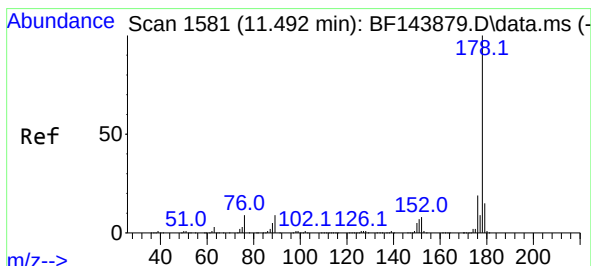
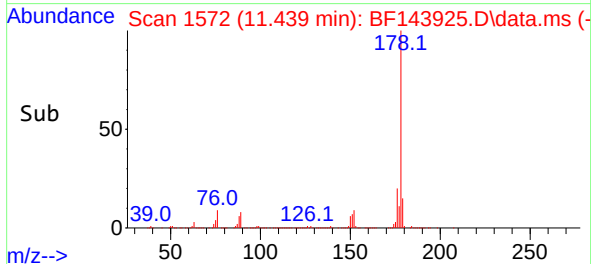
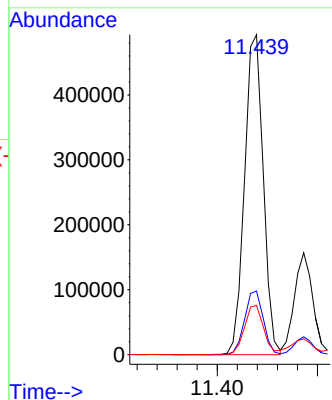
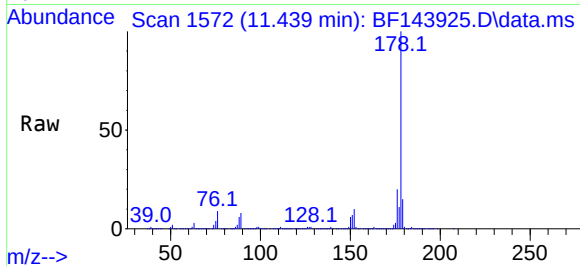




#71
Phenanthrene
Concen: 39.850 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

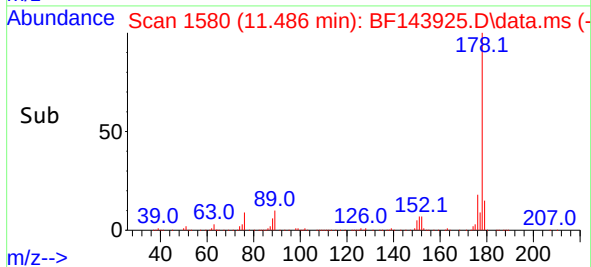
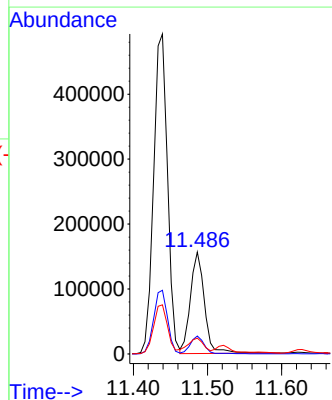
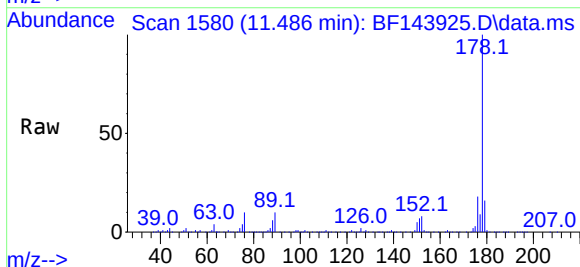
Instrument :
BNA_F
ClientSampleId :
OR-02-100925

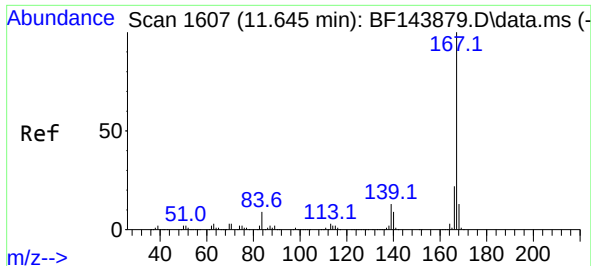
Tgt Ion:178 Resp: 639871
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.4 12.4 18.6



#72
Anthracene
Concen: 12.707 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:178 Resp: 206124
Ion Ratio Lower Upper
178 100
176 17.6 14.9 22.3
179 15.5 12.2 18.2

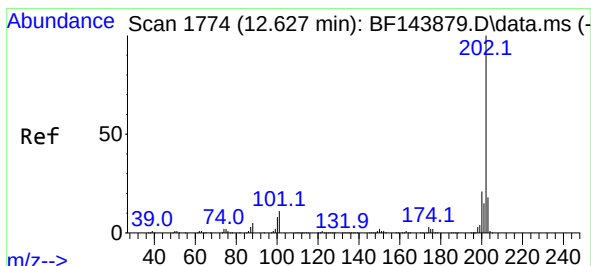
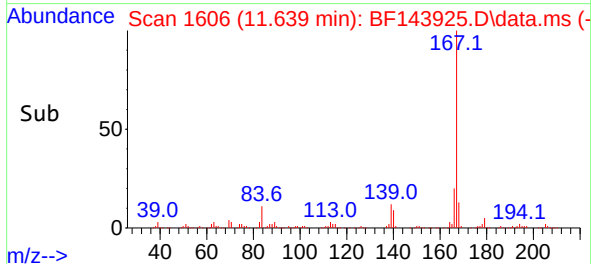
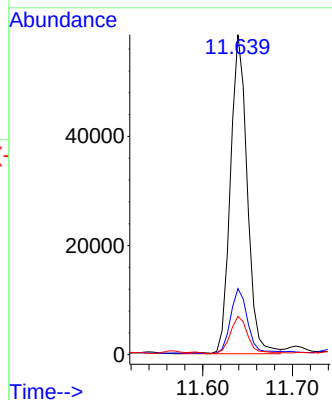
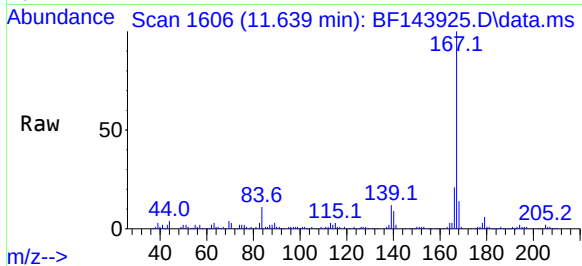




#73
Carbazole
Concen: 5.290 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

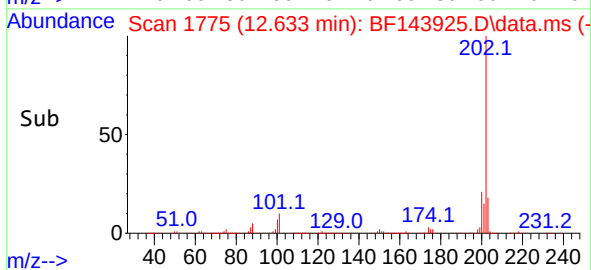
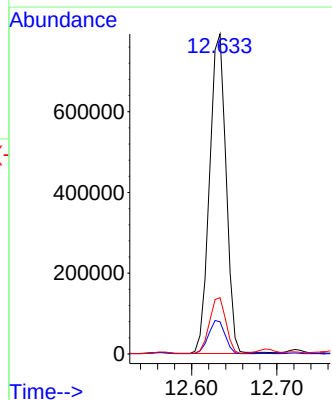
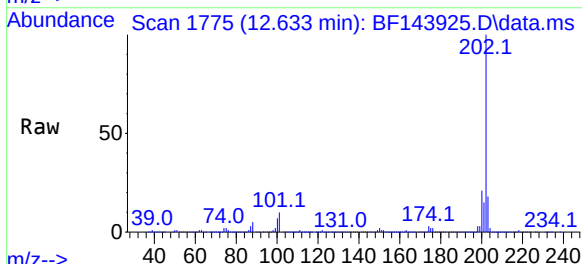
Instrument :
BNA_F
ClientSampleId :
OR-02-100925

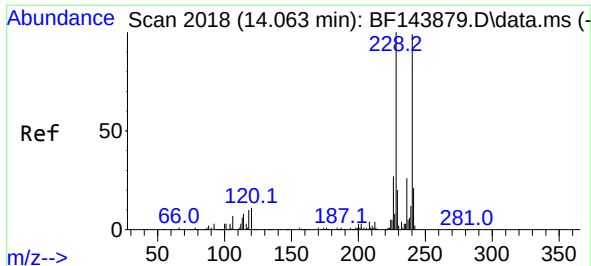
Tgt Ion:167 Resp: 76003
Ion Ratio Lower Upper
167 100
166 20.6 17.2 25.8
139 12.0 10.1 15.1



#75
Fluoranthene
Concen: 64.364 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:202 Resp: 1067525
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.7
203 17.6 0.0 37.8

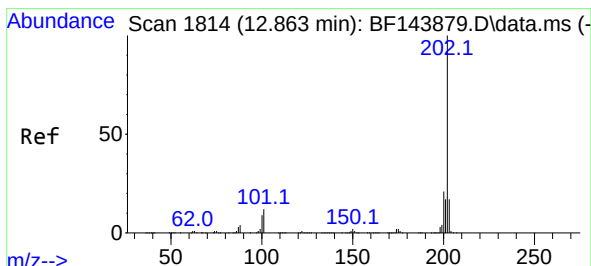
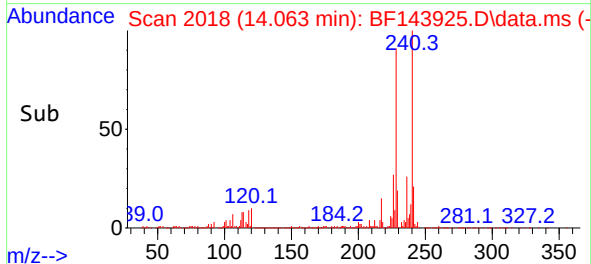
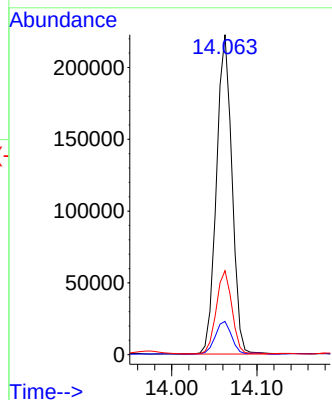
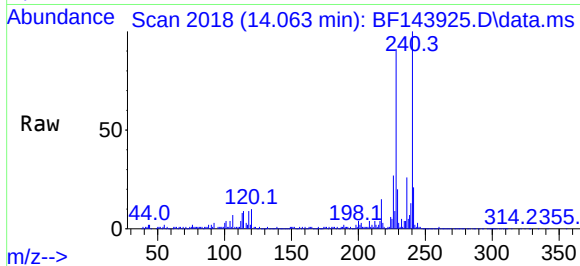




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

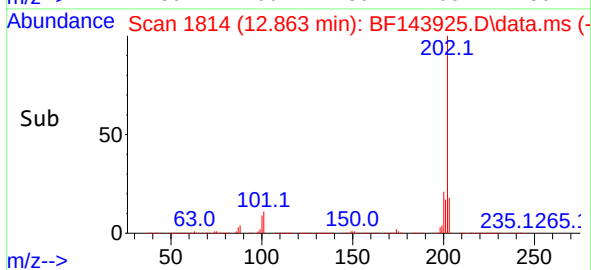
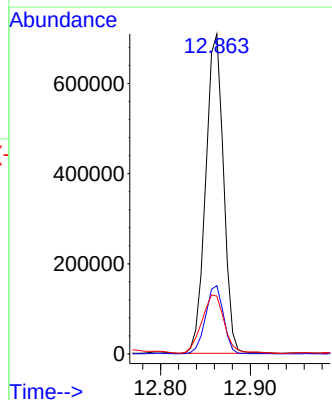
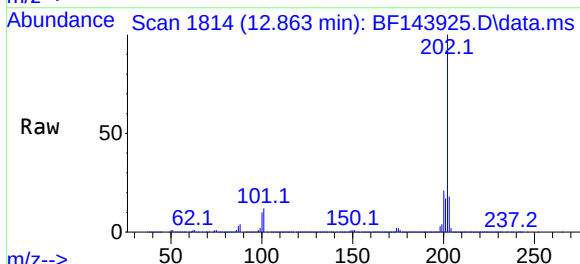
Instrument :
BNA_F
ClientSampleId :
OR-02-100925

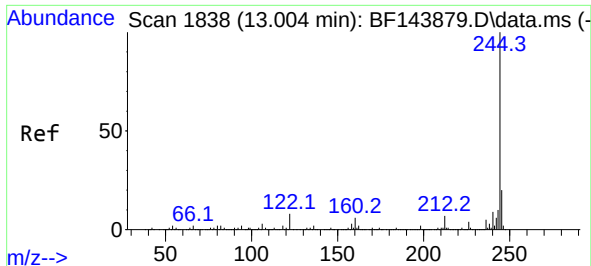
Tgt Ion:240 Resp: 282779
Ion Ratio Lower Upper
240 100
120 10.4 8.6 13.0
236 26.2 21.1 31.7



#78
Pyrene
Concen: 41.469 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:202 Resp: 977631
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 18.1 13.8 20.6

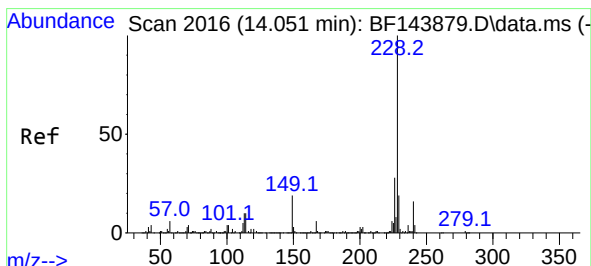
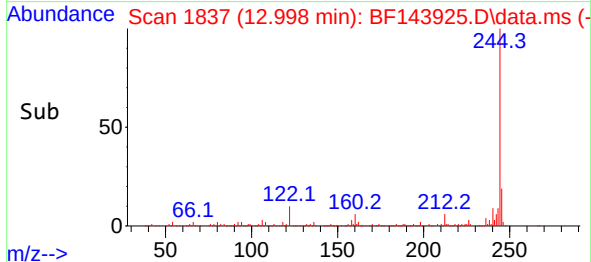
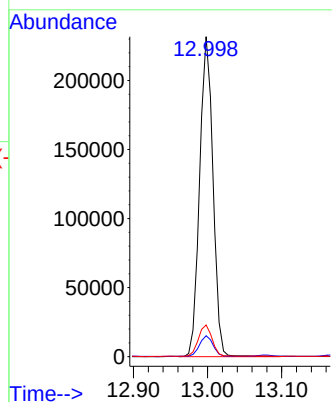
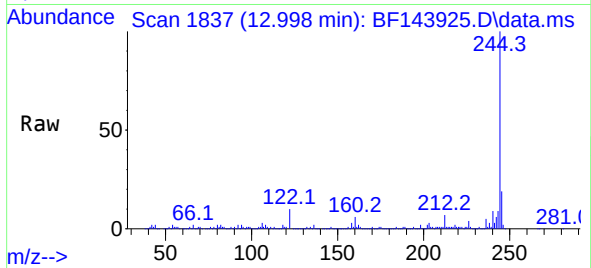




#79
 Terphenyl-d14
 Concen: 17.517 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF143925.D
 Acq: 10 Oct 2025 15:23

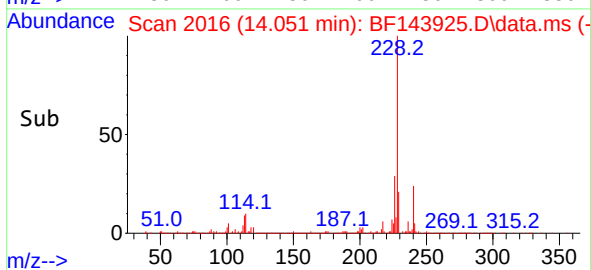
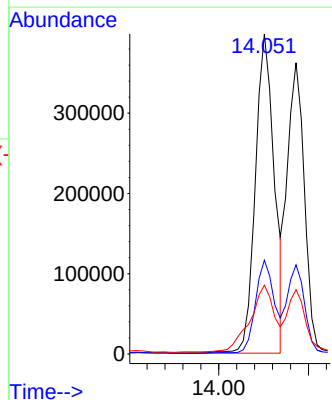
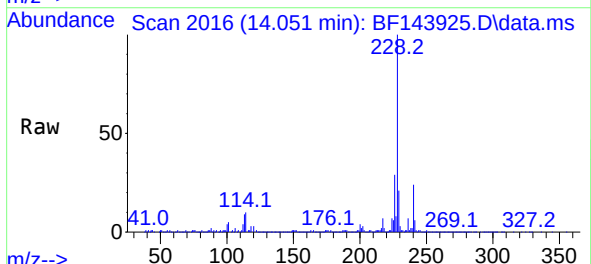
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100925

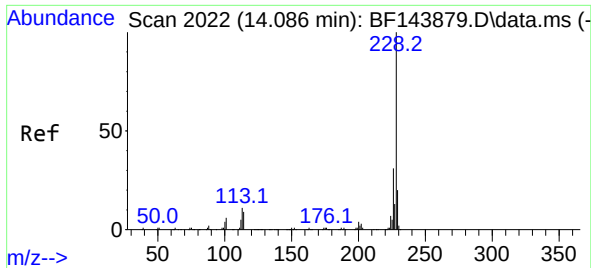
Tgt Ion:244 Resp: 289836
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.9 6.4 9.6#



#81
 Benzo(a)anthracene
 Concen: 31.636 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF143925.D
 Acq: 10 Oct 2025 15:23

Tgt Ion:228 Resp: 585438
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.2 33.2
 229 21.5 15.6 23.4



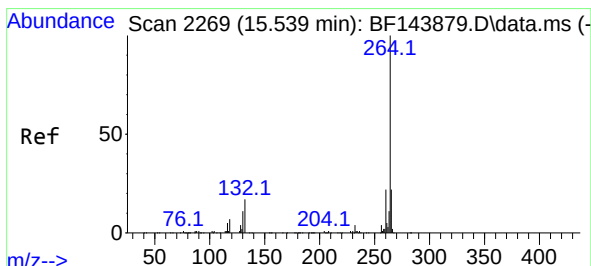
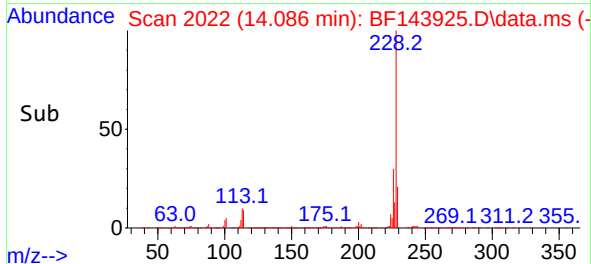
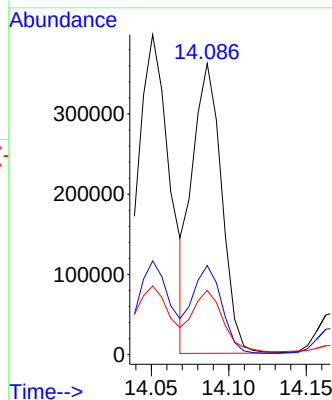
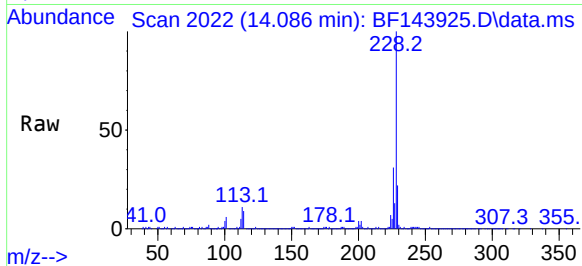


#83
Chrysene
Concen: 27.789 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Instrument :
BNA_F
ClientSampleId :
OR-02-100925

Tgt Ion:228 Resp: 475934

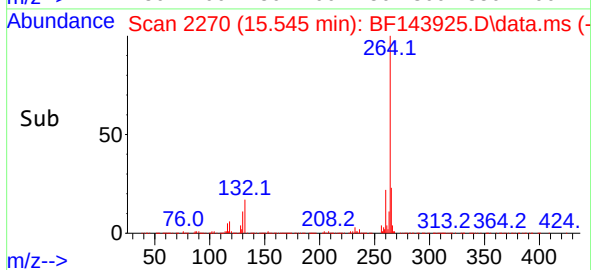
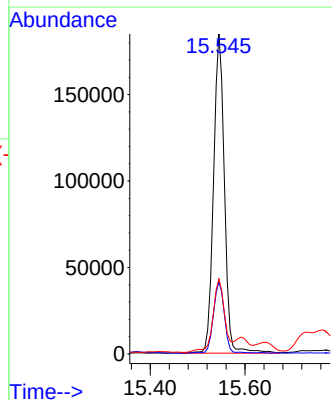
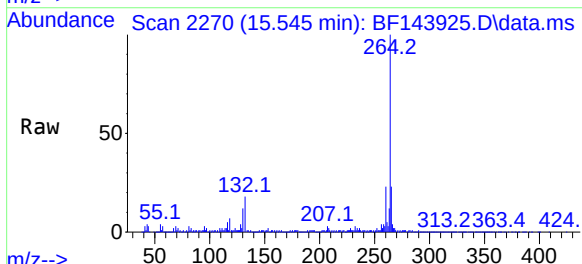
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.4	36.6
229	22.1	15.9	23.9

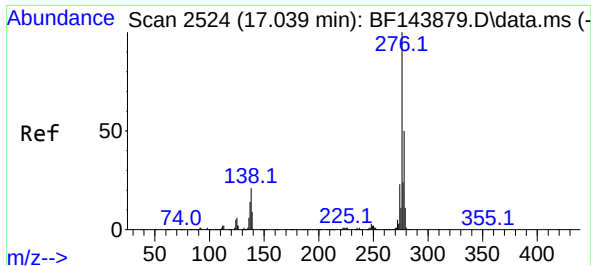


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:264 Resp: 295476

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.8	26.8
265	23.4	17.5	26.3

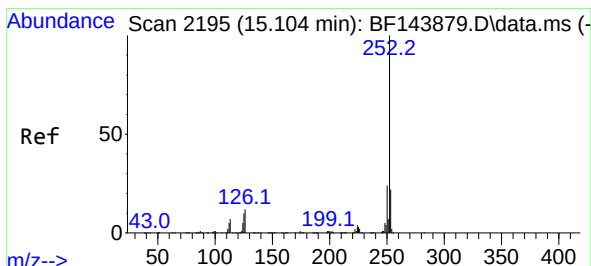
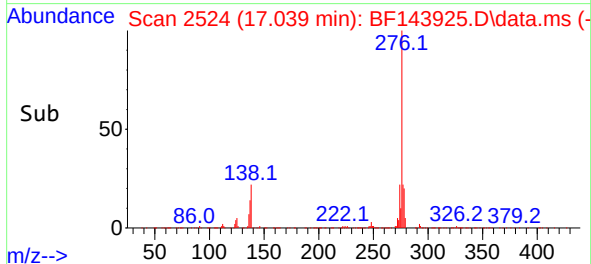
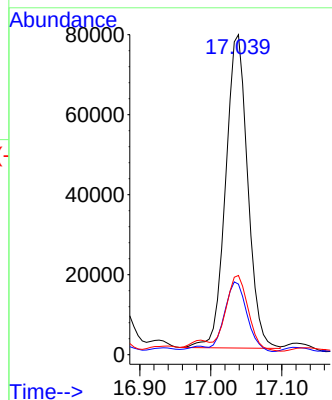
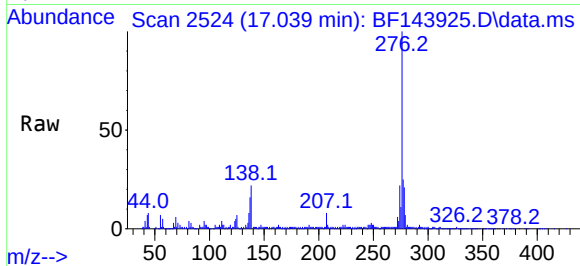




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.338 ng
RT: 17.039 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

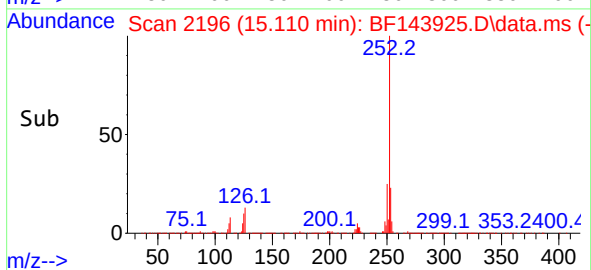
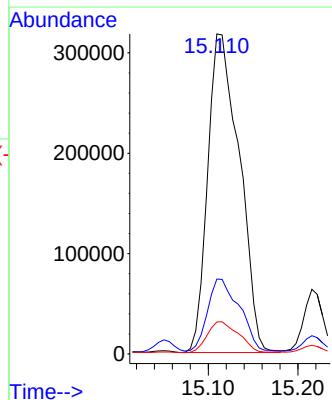
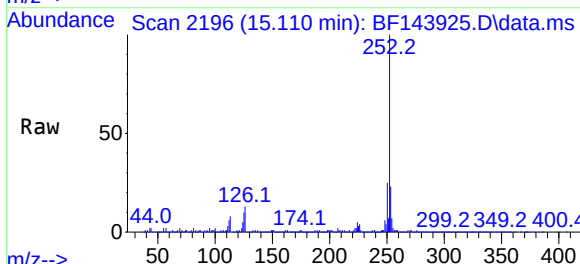
Instrument :
BNA_F
ClientSampleId :
OR-02-100925

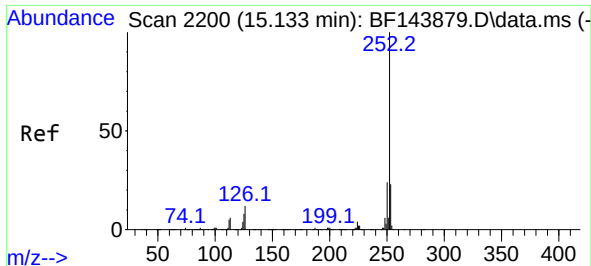
Tgt Ion:276 Resp: 169069
Ion Ratio Lower Upper
276 100
138 22.4 18.2 27.2
277 24.9 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 45.835 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:252 Resp: 777952
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 10.0 7.8 11.6

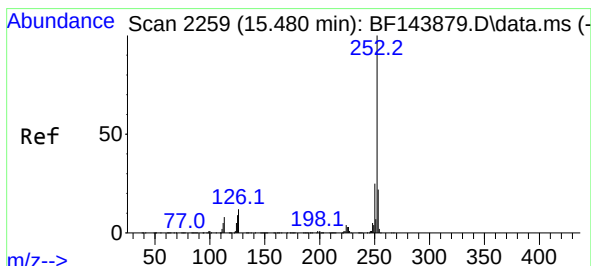
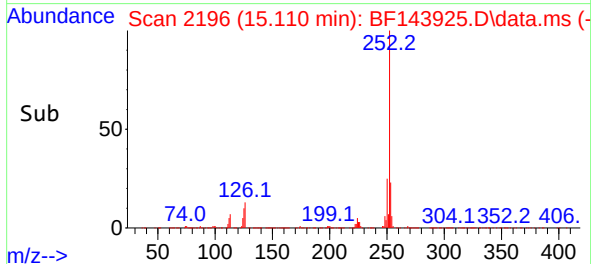
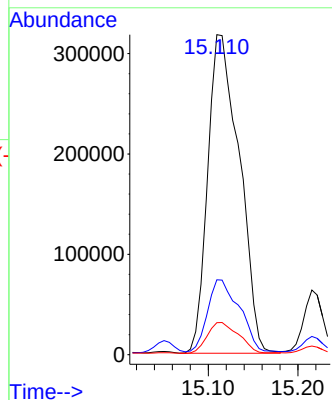
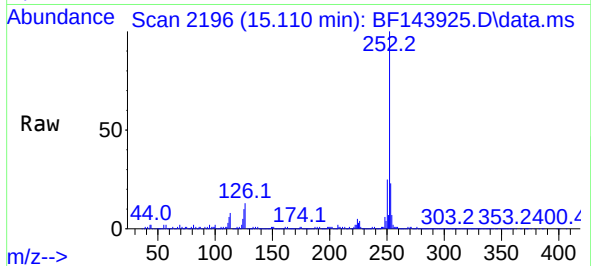




#89
Benzo(k)fluoranthene
Concen: 49.534 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

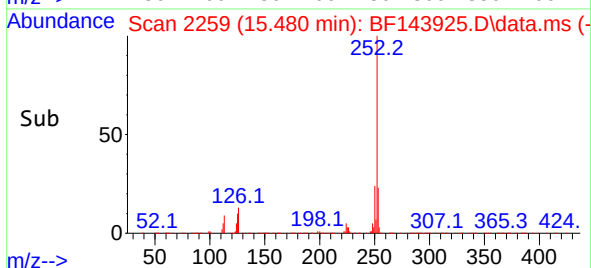
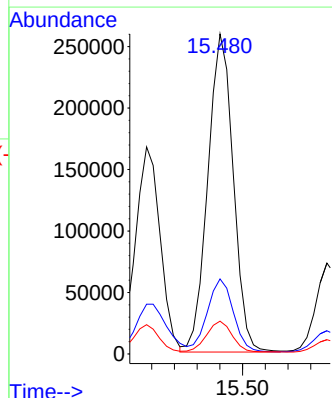
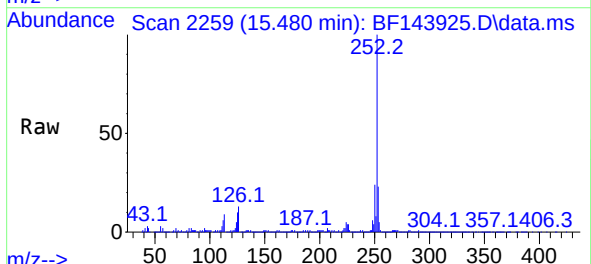
Instrument :
BNA_F
ClientSampleId :
OR-02-100925

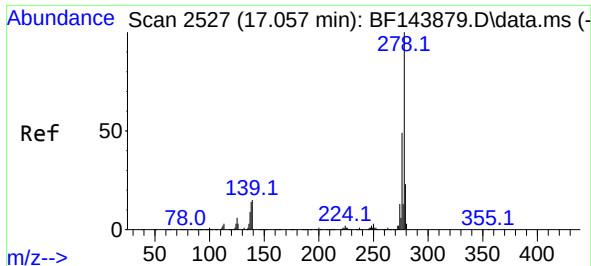
Tgt Ion:252 Resp: 777952
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 10.0 7.4 11.2



#90
Benzo(a)pyrene
Concen: 27.432 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:252 Resp: 403732
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 10.3 7.0 10.4

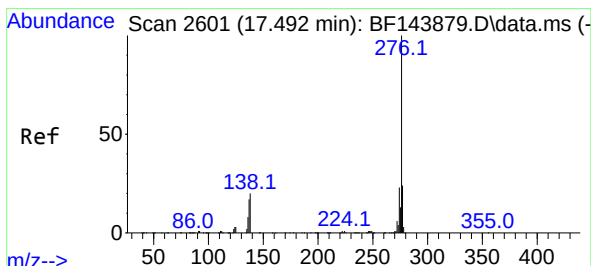
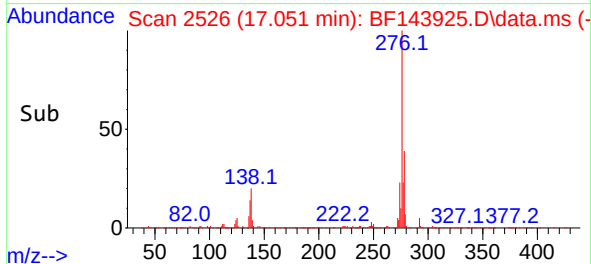
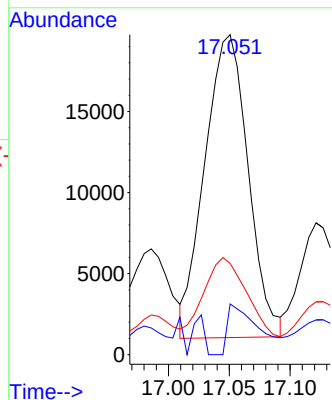
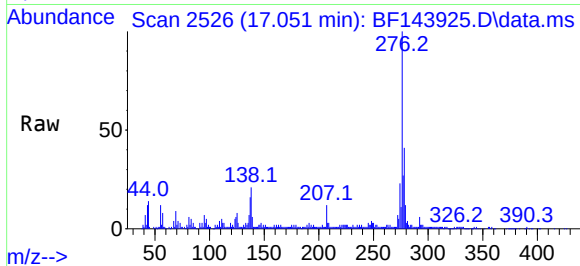




#91
Dibenzo(a,h)anthracene
Concen: 3.179 ng
RT: 17.051 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Instrument :
BNA_F
ClientSampleId :
OR-02-100925

Tgt Ion:278 Resp: 46290
Ion Ratio Lower Upper
278 100
139 15.9 11.7 17.5
279 28.6 18.4 27.6#



#92
Benzo(g,h,i)perylene
Concen: 10.735 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF143925.D
Acq: 10 Oct 2025 15:23

Tgt Ion:276 Resp: 156320
Ion Ratio Lower Upper
276 100
277 22.7 19.0 28.6
138 23.8 16.1 24.1

