

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
 Data File : BF131700.D
 Acq On : 19 Dec 2022 21:12
 Operator : CG\JU
 Sample : N6038-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-37-(0-2)

Quant Time: Dec 20 01:07:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 00:23:43 2022
 Response via : Initial Calibration

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

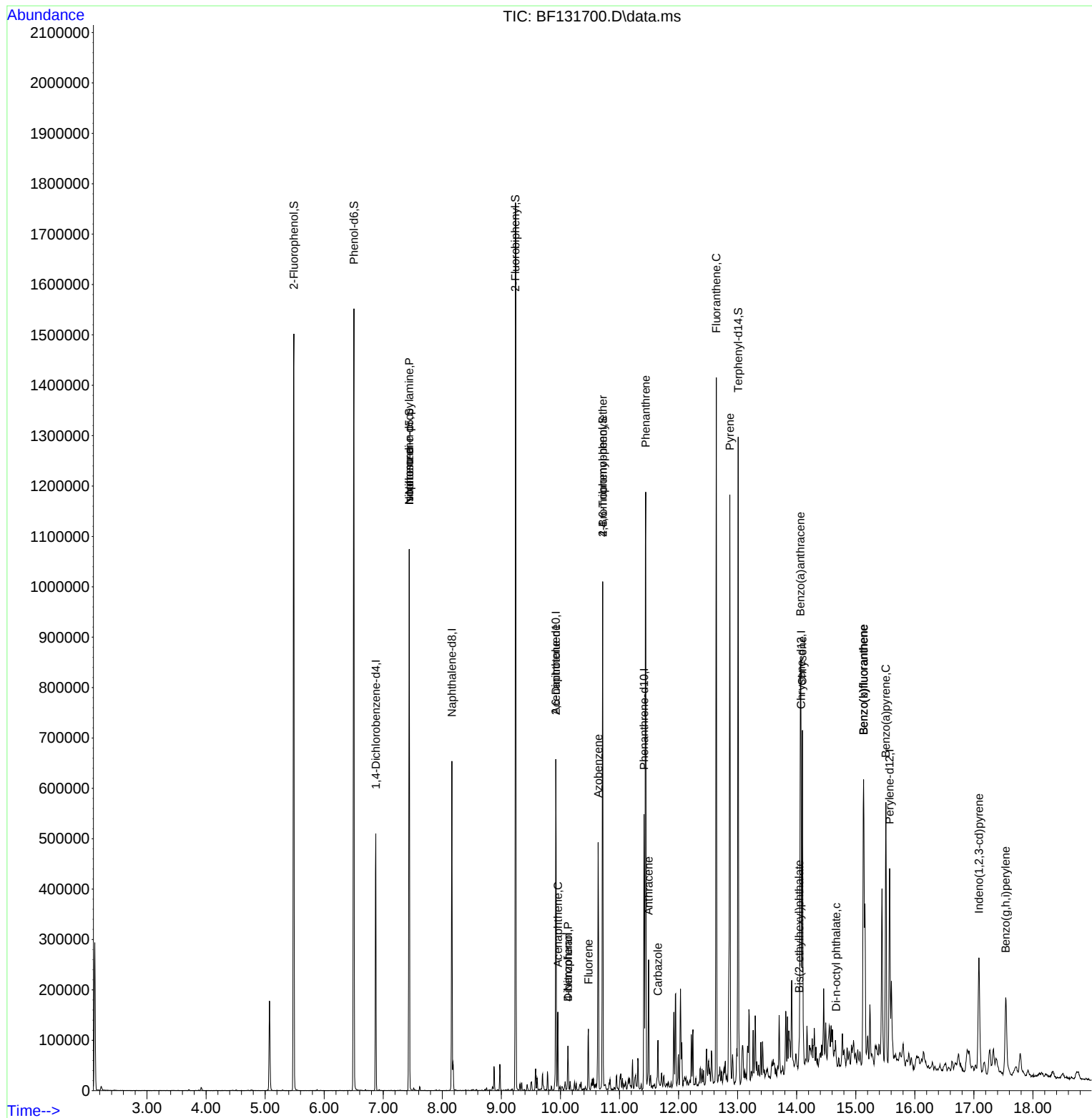
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69159	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	238790	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	119834	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	189213	20.000	ng	0.00
76) Chrysene-d12	14.074	240	149120	20.000	ng	0.00
86) Perylene-d12	15.574	264	179486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	385124	92.901	ng	0.00
7) Phenol-d6	6.504	99	478984	88.172	ng	0.00
23) Nitrobenzene-d5	7.439	82	333332	52.775	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	91293	68.570	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	510695	53.734	ng	0.00
79) Terphenyl-d14	13.010	244	391409	35.996	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	45609	11.197	ng	# 77
25) Isophorone	7.439	82	331994	32.633	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	15537	8.238	ng	# 10
52) Acenaphthene	9.957	154	27119	3.572	ng	97
55) Dibenzofuran	10.128	168	25316	2.360	ng	94
56) 4-Nitrophenol	10.128	139	9857	7.842	ng	# 1
58) Fluorene	10.475	166	29322	3.362	ng	96
63) Azobenzene	10.639	77	80736	8.075	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	6414	2.635	ng	# 1
71) Phenanthrene	11.445	178	422096	40.022	ng	99
72) Anthracene	11.492	178	83332	8.121	ng	99
73) Carbazole	11.651	167	29544	3.528	ng	99
75) Fluoranthene	12.639	202	505156	46.515	ng	98
78) Pyrene	12.869	202	454315	30.897	ng	99
81) Benzo(a)anthracene	14.063	228	261410	24.275	ng	99
83) Chrysene	14.098	228	233328	22.791	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	3423	3.585	ng	# 85
85) Di-n-octyl phthalate	14.668	149	185	5.236	ng	# 38
87) Indeno(1,2,3-cd)pyrene	17.086	276	146186	9.980	ng	100
88) Benzo(b)fluoranthene	15.133	252	454387	38.411	ng	99
89) Benzo(k)fluoranthene	15.133	252	454387	36.801	ng	99
90) Benzo(a)pyrene	15.510	252	245085	24.277	ng	99
92) Benzo(g,h,i)perylene	17.539	276	133596	11.026	ng	98

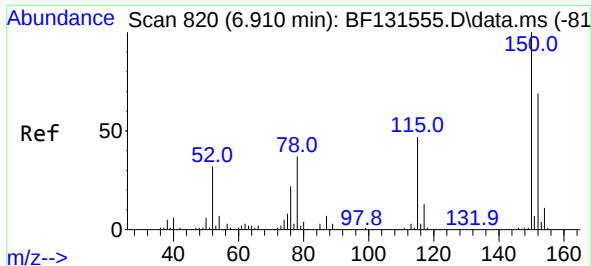
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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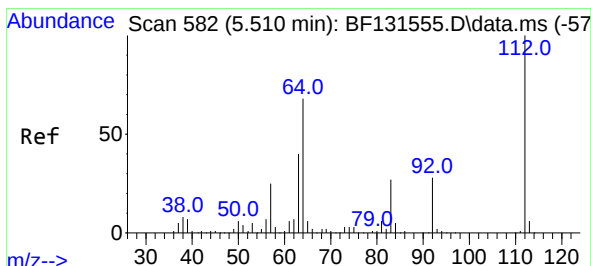
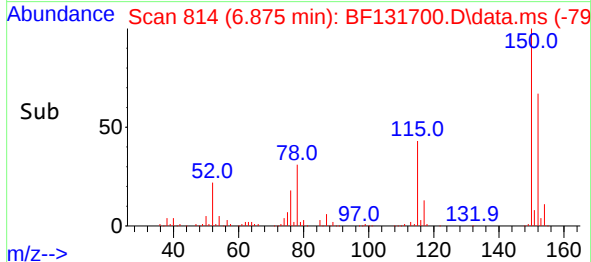
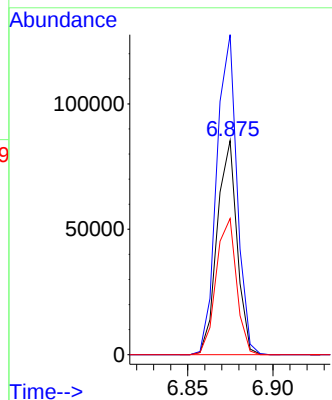
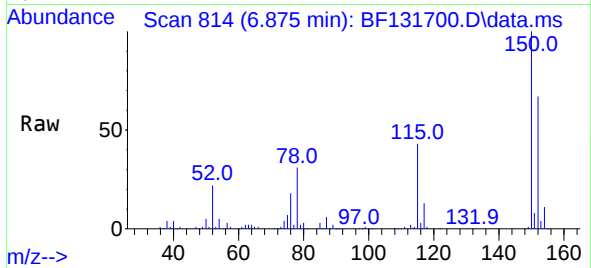




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

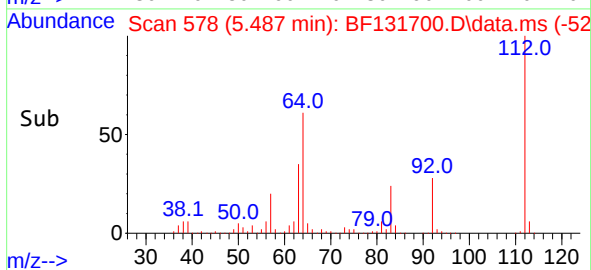
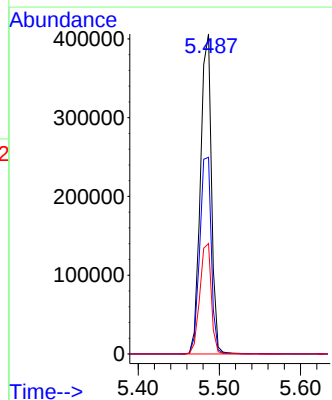
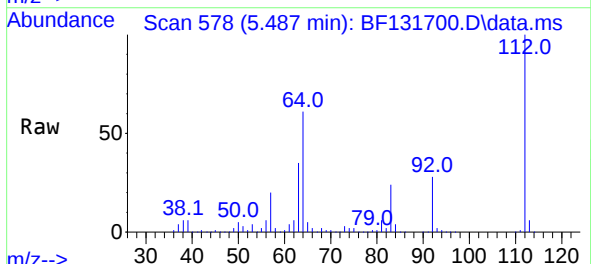
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

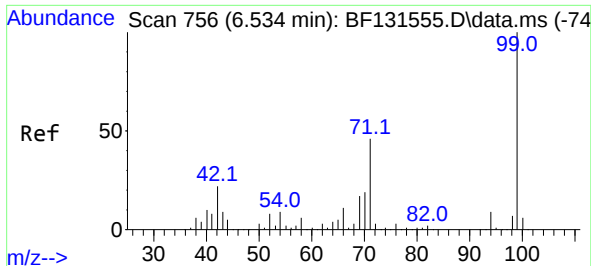
Tgt Ion:152 Resp: 69159
Ion Ratio Lower Upper
152 100
150 149.5 116.7 175.1
115 63.6 54.6 82.0



#5
2-Fluorophenol
Concen: 92.901 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:112 Resp: 385124
Ion Ratio Lower Upper
112 100
64 61.5 54.5 81.7
63 34.5 31.9 47.9

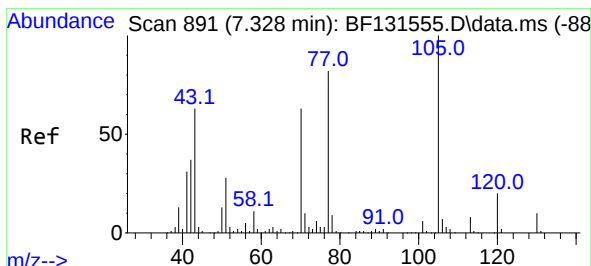
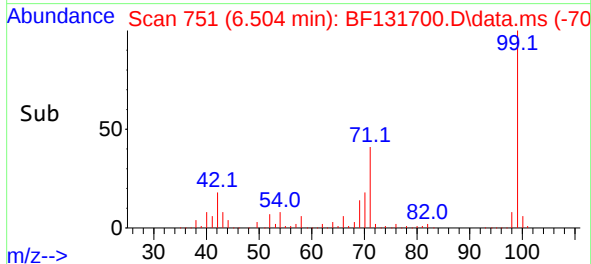
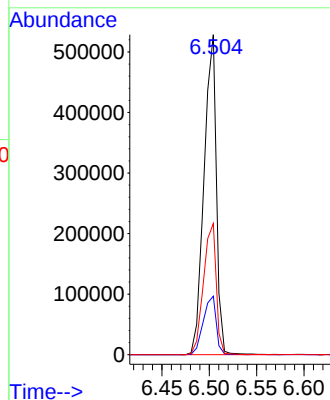
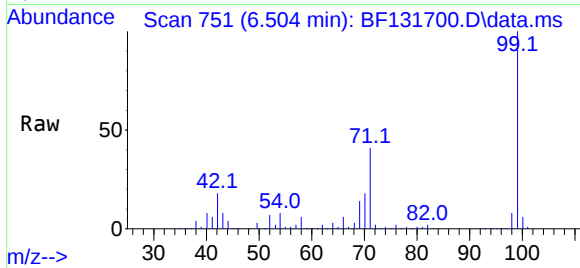




#7
Phenol-d6
Concen: 88.172 ng
RT: 6.504 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

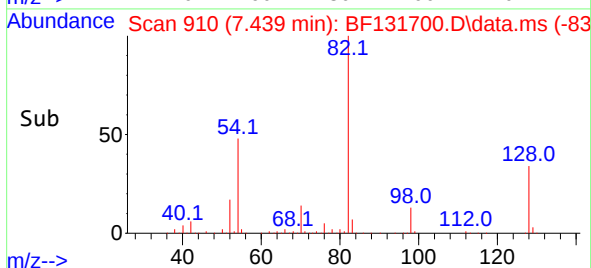
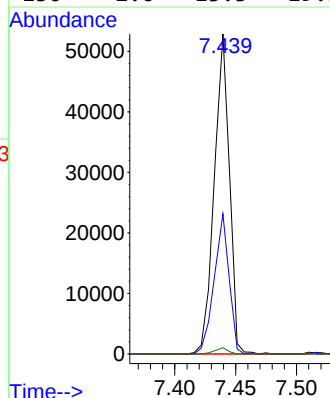
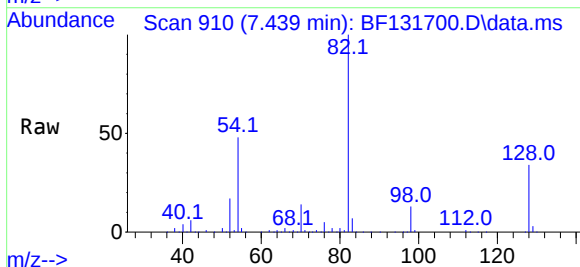
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

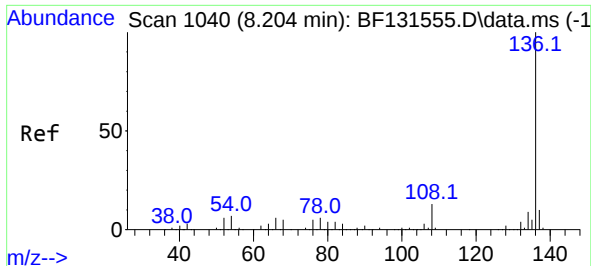
Tgt Ion: 99 Resp: 478984
Ion Ratio Lower Upper
99 100
42 18.3 17.9 26.9
71 41.0 37.2 55.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.197 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.147 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion: 70 Resp: 45609
Ion Ratio Lower Upper
70 100
42 43.8 46.4 69.6#
101 0.0 7.2 10.8#
130 2.0 13.3 19.9#



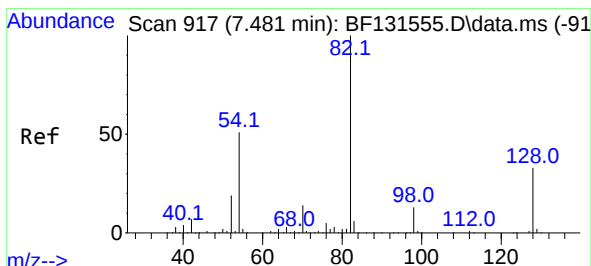
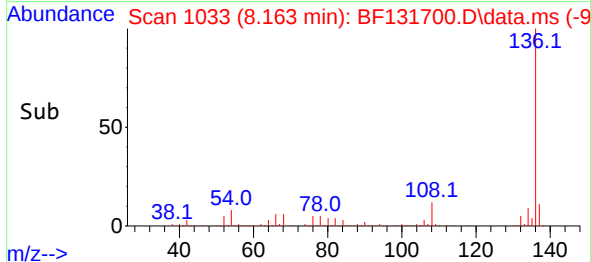
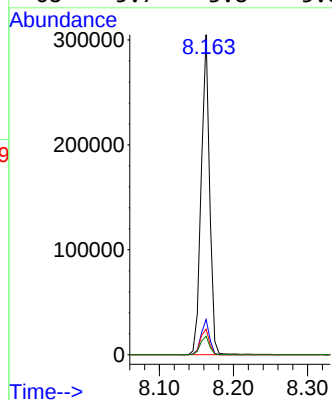
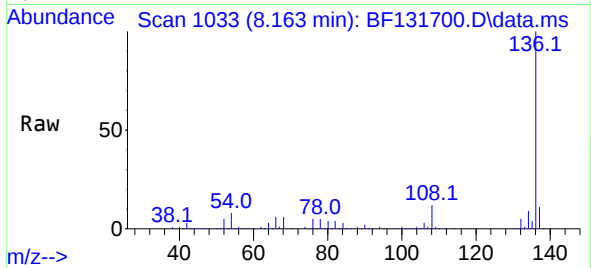


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

Tgt Ion:136 Resp: 238790

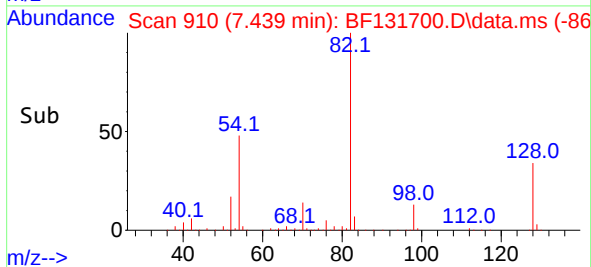
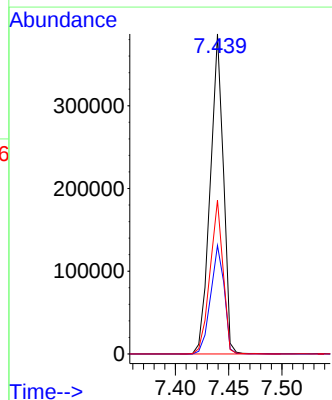
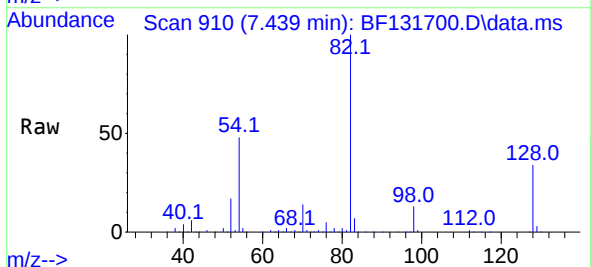
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.1	12.1
54	8.0	6.0	9.0
68	5.7	3.8	5.8

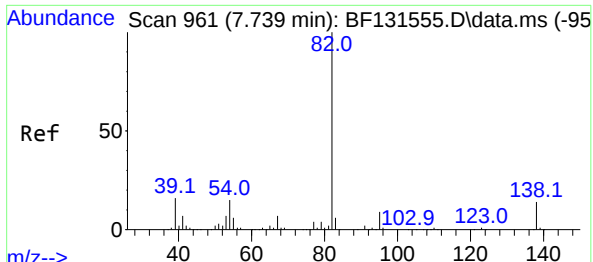


#23
Nitrobenzene-d5
Concen: 52.775 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion: 82 Resp: 333332

Ion	Ratio	Lower	Upper
82	100		
128	33.9	26.1	39.1
54	48.1	40.6	60.8

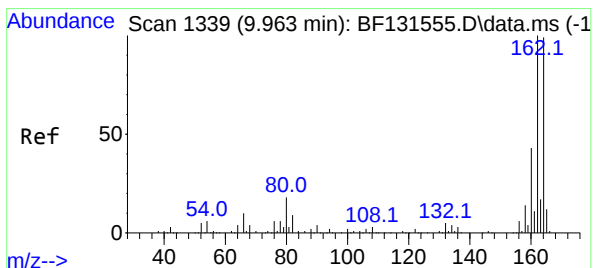
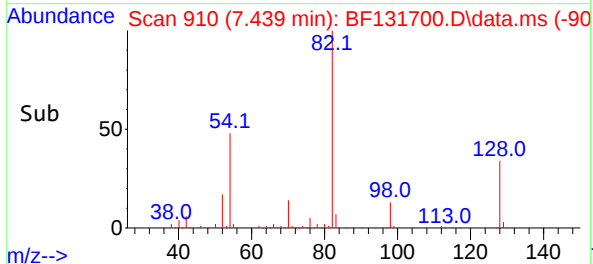
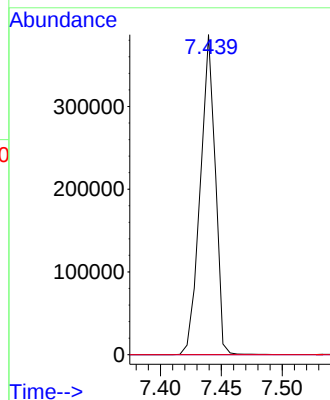
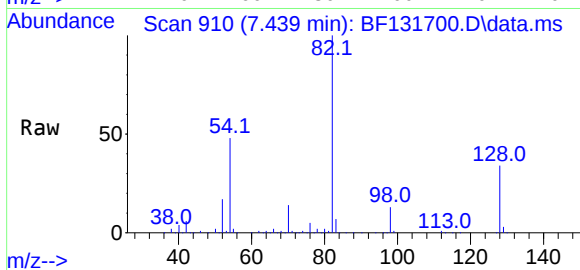




#25
Isophorone
Concen: 32.633 ng
RT: 7.439 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

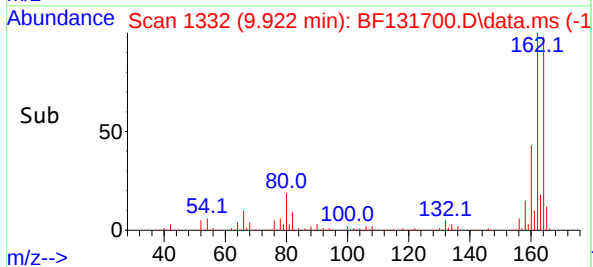
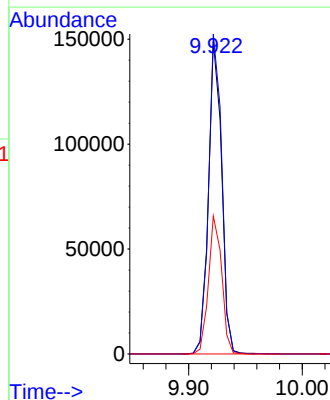
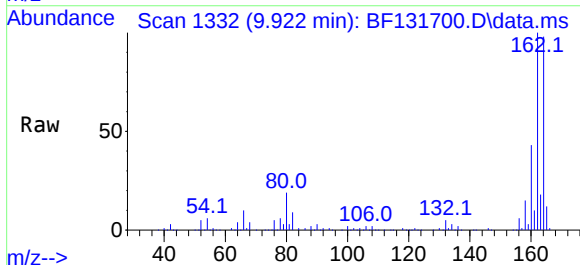
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

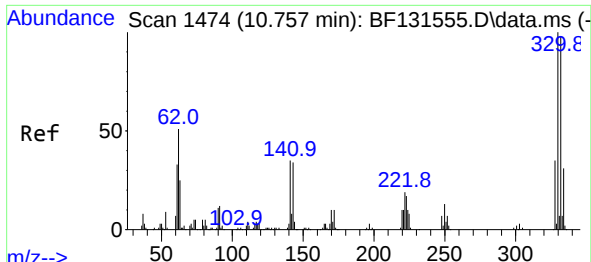
Tgt Ion: 82 Resp: 331994
Ion Ratio Lower Upper
82 100
95 0.0 6.9 10.3#
138 0.0 11.4 17.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:164 Resp: 119834
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.6
160 44.1 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 68.570 ng

RT: 10.716 min Scan# 1467

Delta R.T. -0.006 min

Lab File: BF131700.D

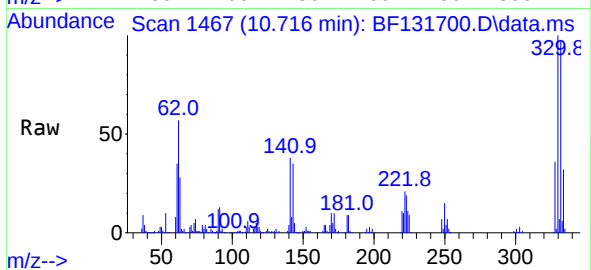
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Instrument :

BNA_F

ClientSampleId :

RB-37-(0-2)



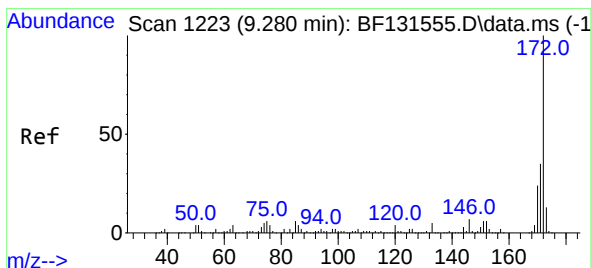
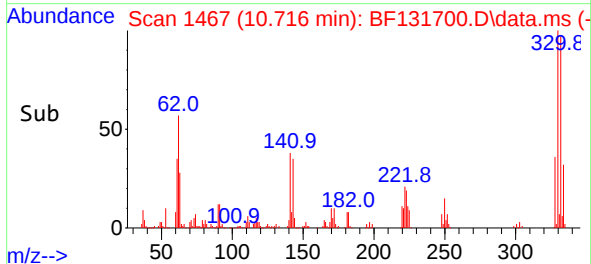
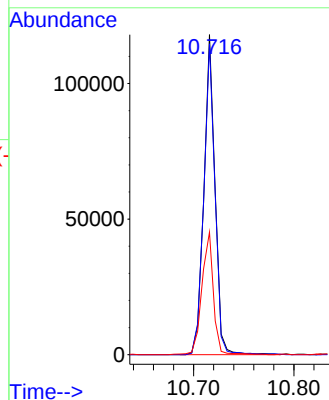
Tgt Ion:330 Resp: 91293

Ion Ratio Lower Upper

330 100

332 98.0 78.3 117.5

141 39.9 32.6 49.0



#45

2-Fluorobiphenyl

Concen: 53.734 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF131700.D

Acq: 19 Dec 2022 21:12

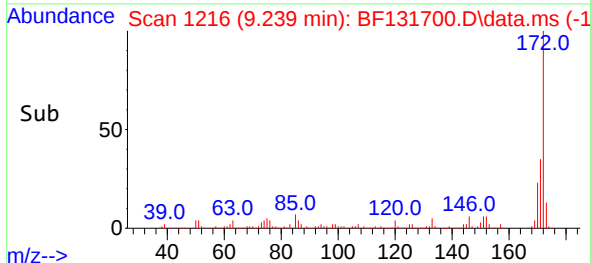
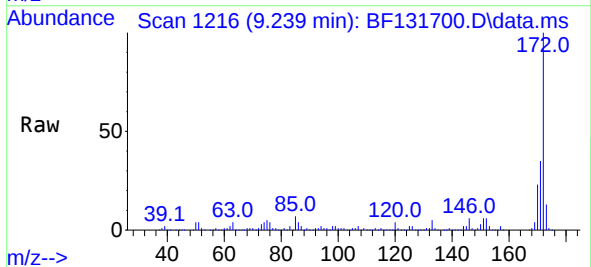
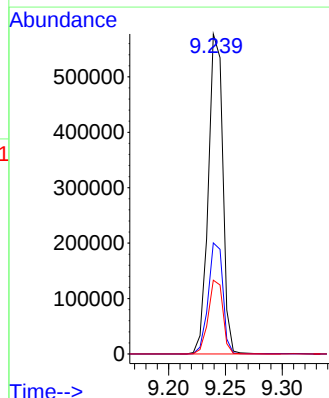
Tgt Ion:172 Resp: 510695

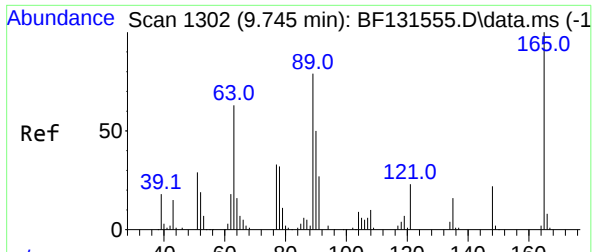
Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 23.0 19.3 28.9





#51

2,6-Dinitrotoluene

Concen: 8.238 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF131700.D

Acq: 19 Dec 2022 21:12

Instrument :

BNA_F

ClientSampleId :

RB-37-(0-2)

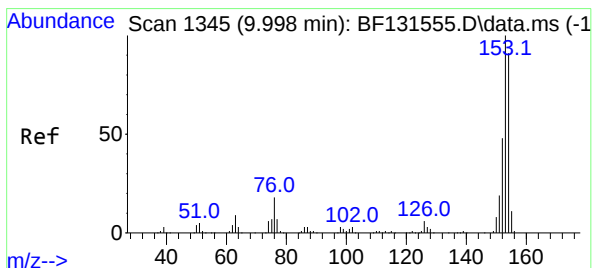
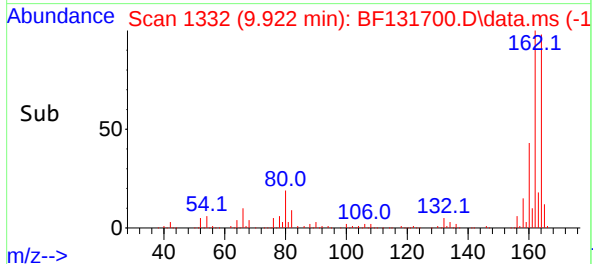
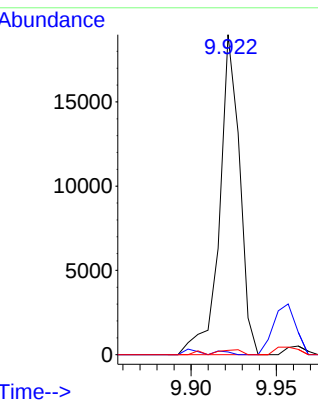
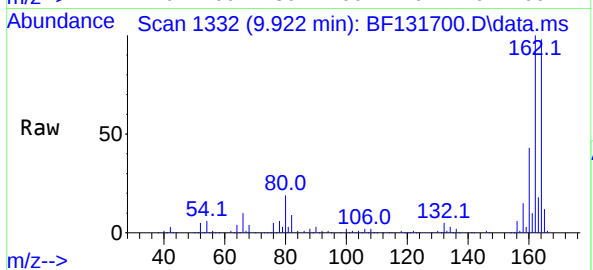
Tgt Ion:165 Resp: 15537

Ion Ratio Lower Upper

165 100

63 0.8 67.9 101.9#

89 1.4 63.2 94.8#



#52

Acenaphthene

Concen: 3.572 ng

RT: 9.957 min Scan# 1338

Delta R.T. -0.006 min

Lab File: BF131700.D

Acq: 19 Dec 2022 21:12

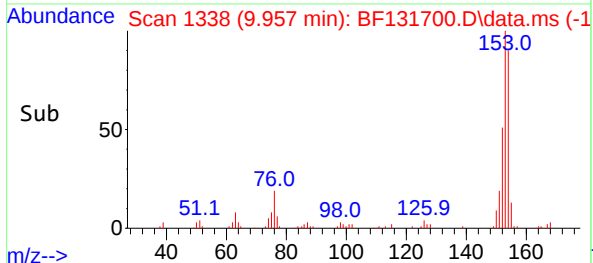
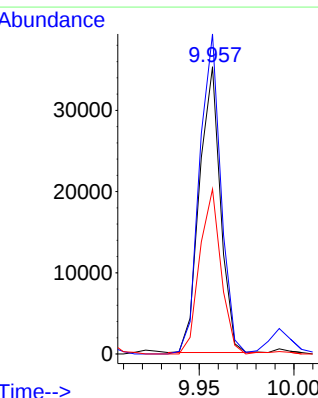
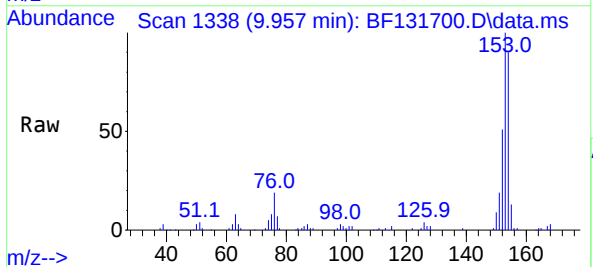
Tgt Ion:154 Resp: 27119

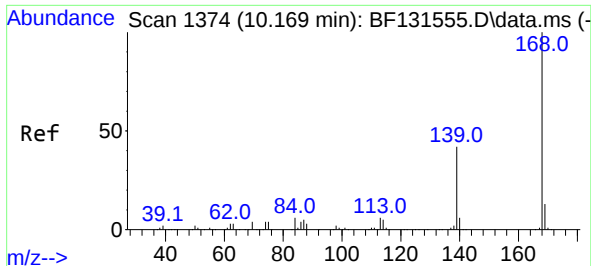
Ion Ratio Lower Upper

154 100

153 111.4 87.9 131.9

152 57.4 42.4 63.6

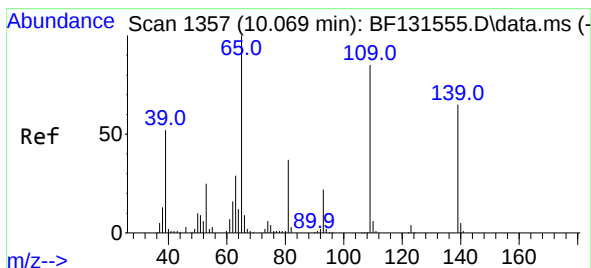
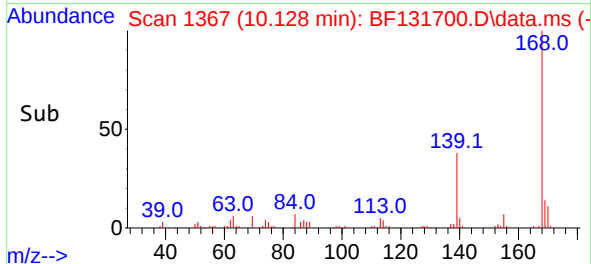
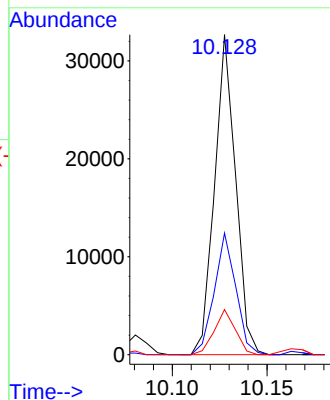
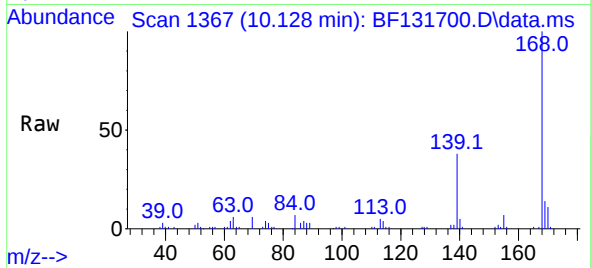




#55
Dibenzenofuran
Concen: 2.360 ng
RT: 10.128 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

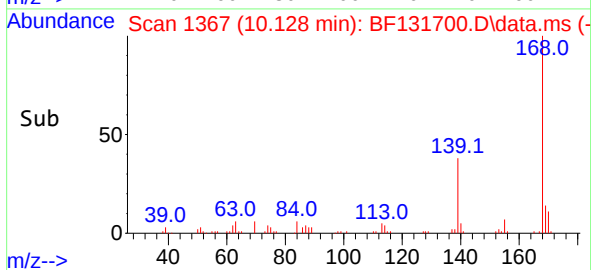
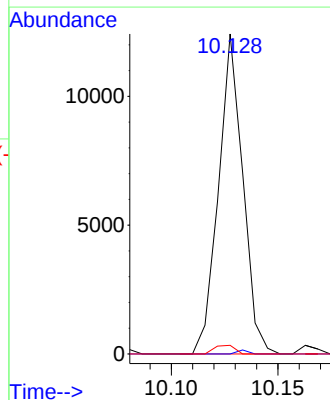
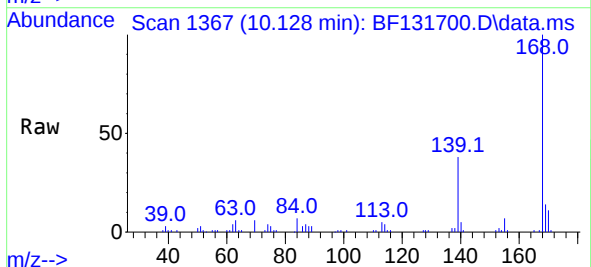
Instrument :
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RB-37-(0-2)

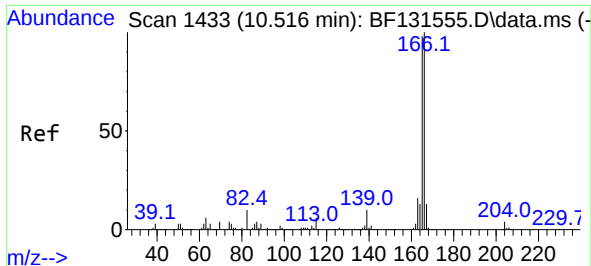
Tgt Ion:168 Resp: 25316
Ion Ratio Lower Upper
168 100
139 38.0 33.9 50.9
169 14.1 10.7 16.1



#56
4-Nitrophenol
Concen: 7.842 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.088 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:139 Resp: 9857
Ion Ratio Lower Upper
139 100
109 0.0 110.2 150.2#
65 2.7 133.3 173.3#

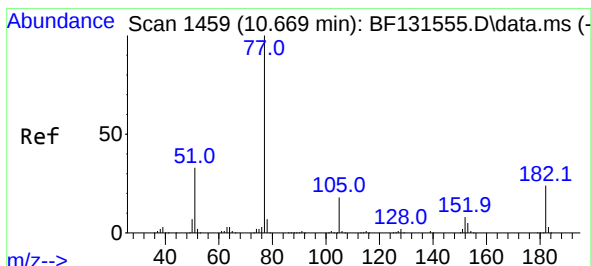
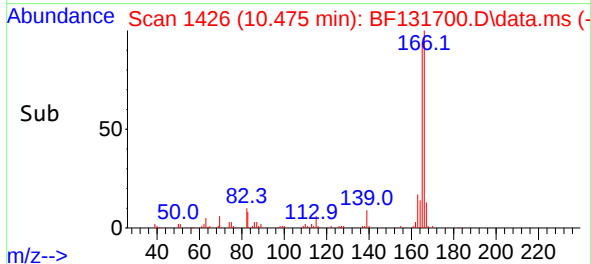
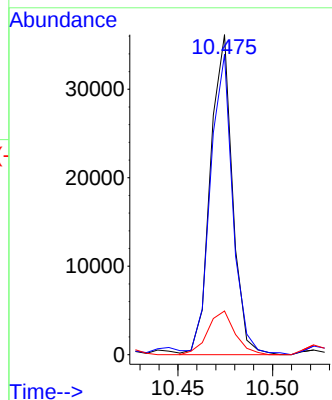
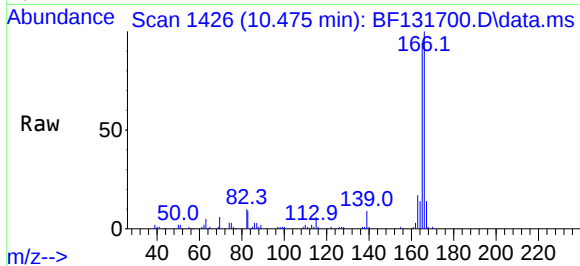




#58
Fluorene
Concen: 3.362 ng
RT: 10.475 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

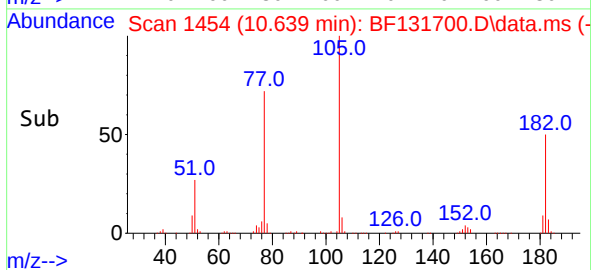
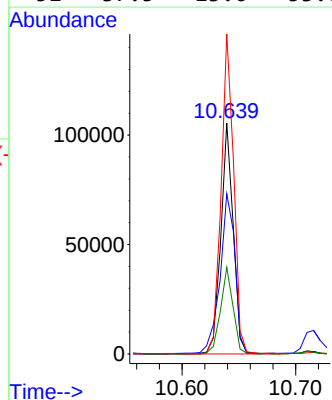
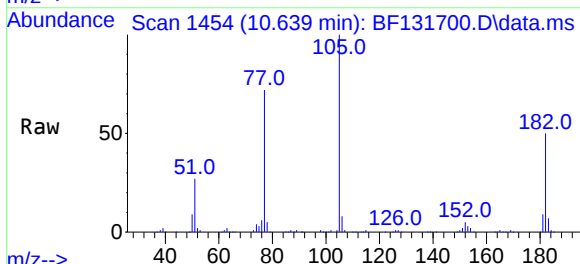
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

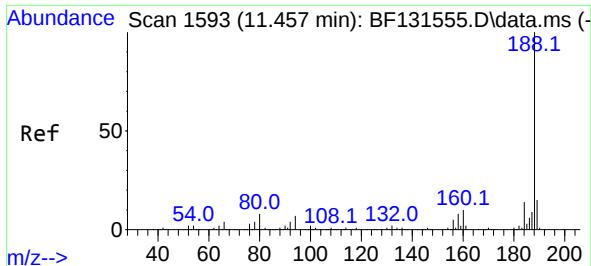
Tgt Ion:166 Resp: 29322
Ion Ratio Lower Upper
166 100
165 93.8 78.4 117.6
167 13.6 10.7 16.1



#63
Azobenzene
Concen: 8.075 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion: 77 Resp: 80736
Ion Ratio Lower Upper
77 100
182 69.4 3.9 43.9#
105 138.6 0.0 38.3#
51 37.5 13.0 53.0

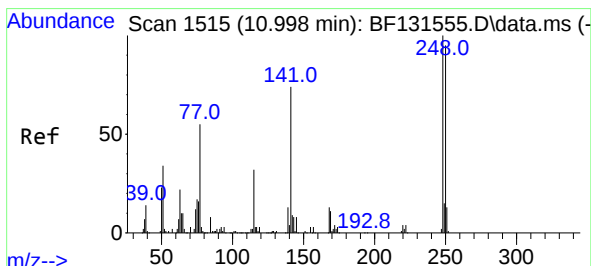
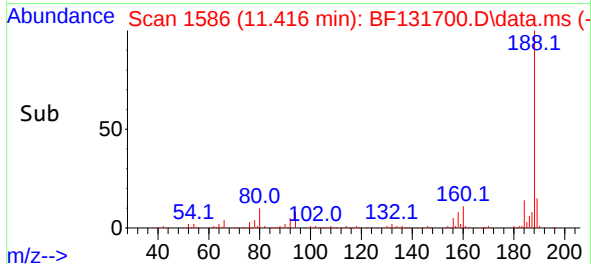
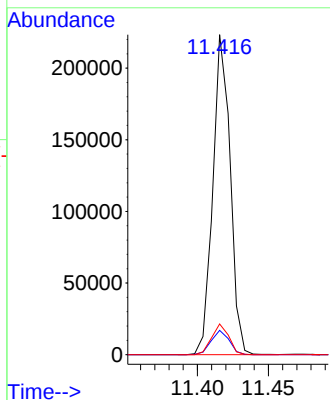
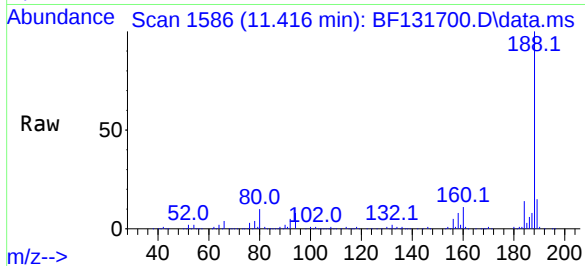




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

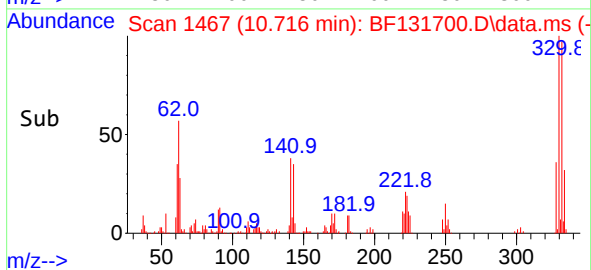
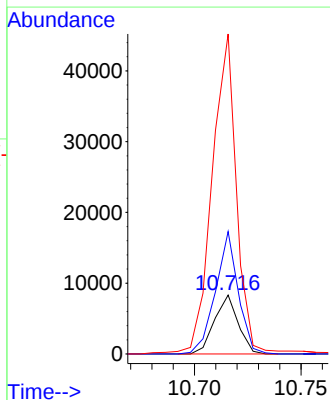
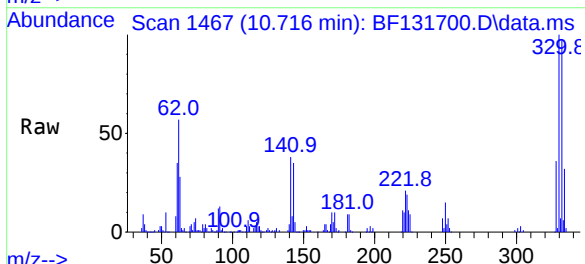
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

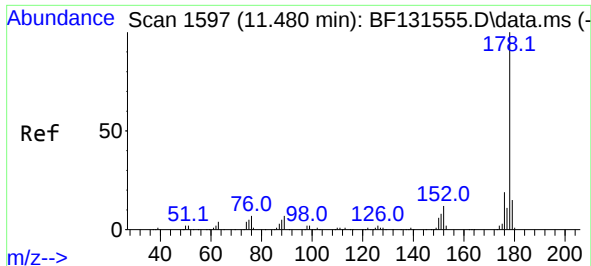
Tgt Ion:188 Resp: 189213
Ion Ratio Lower Upper
188 100
94 7.6 5.5 8.3
80 9.6 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 2.635 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.247 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:248 Resp: 6414
Ion Ratio Lower Upper
248 100
250 207.9 76.2 114.2#
141 543.5 59.5 89.3#

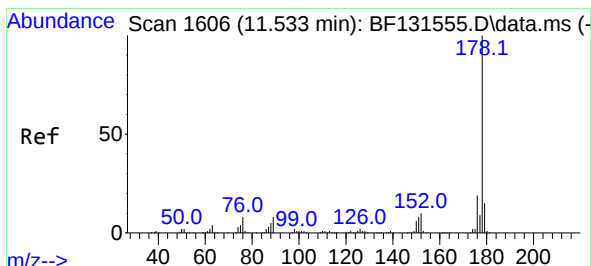
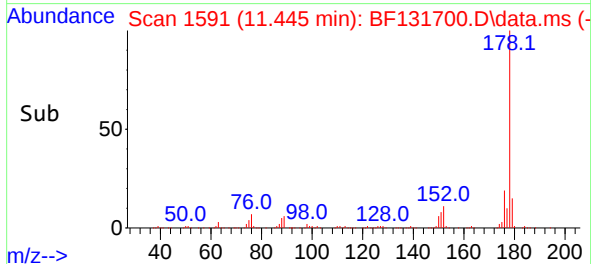
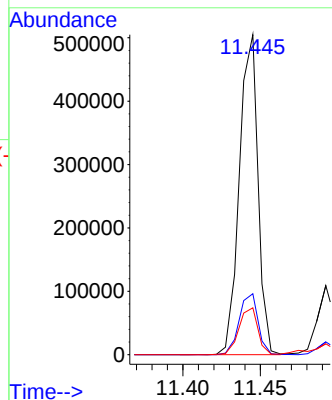
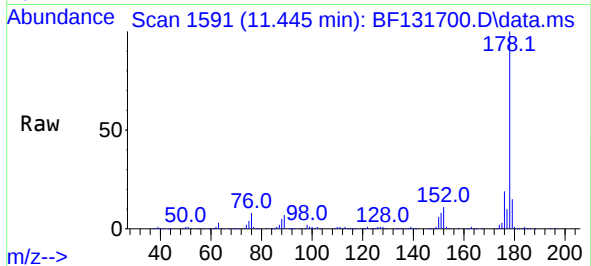




#71
Phenanthrene
Concen: 40.022 ng
RT: 11.445 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

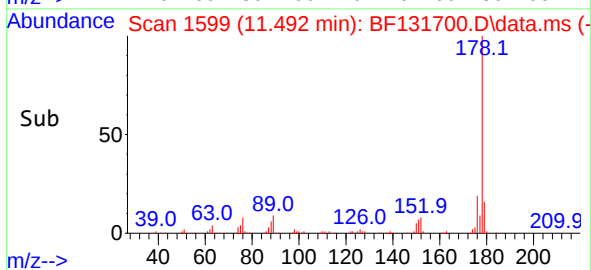
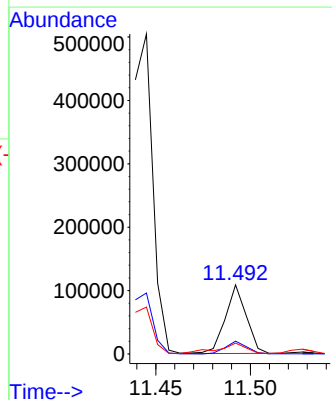
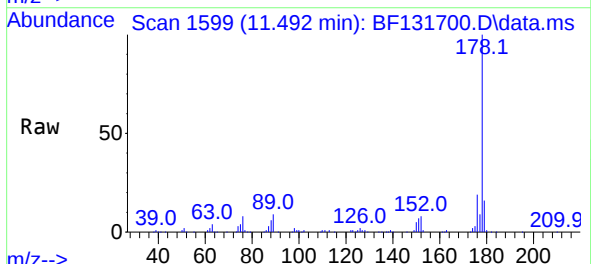
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

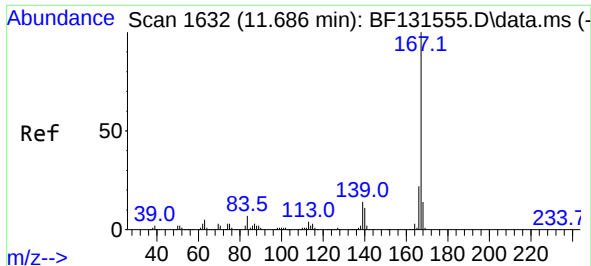
Tgt Ion:178 Resp: 422096
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 14.7 12.2 18.4



#72
Anthracene
Concen: 8.121 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:178 Resp: 83332
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.7 12.3 18.5

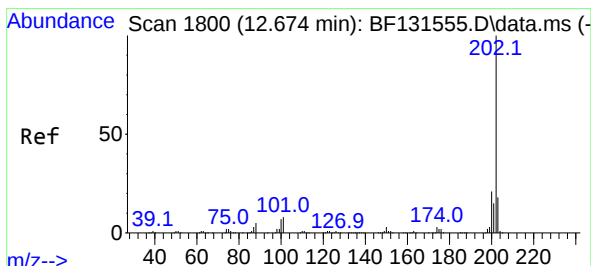
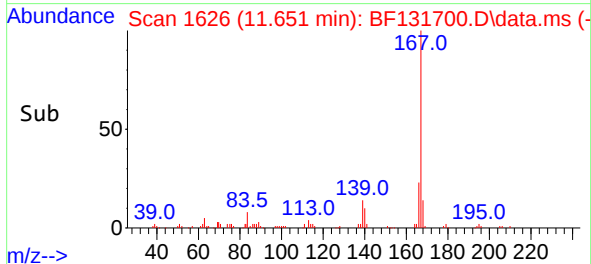
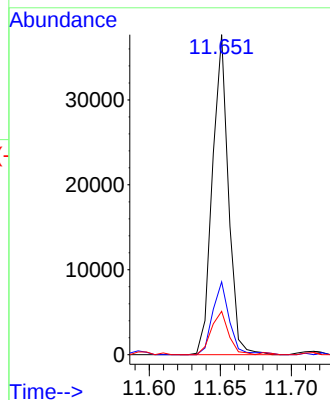
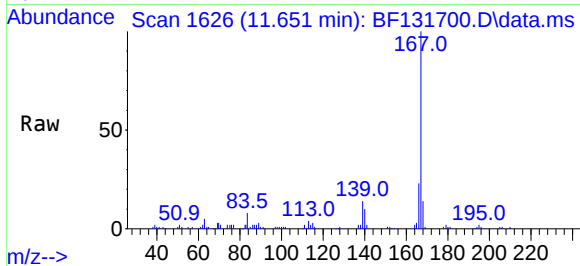




#73
 Carbazole
 Concen: 3.528 ng
 RT: 11.651 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF131700.D
 Acq: 19 Dec 2022 21:12

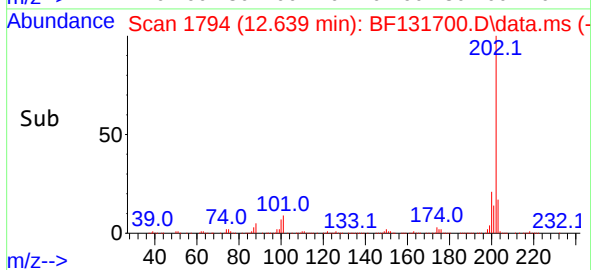
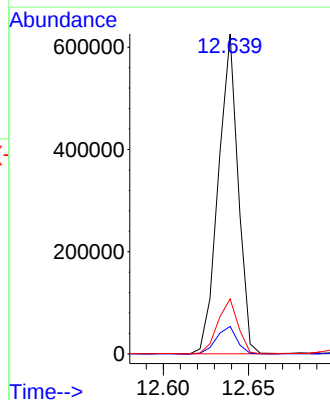
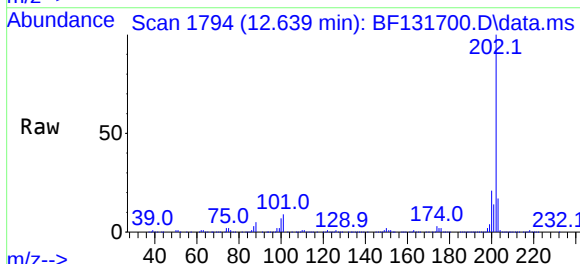
Instrument :
 BNA_F
 ClientSampleId :
 RB-37-(0-2)

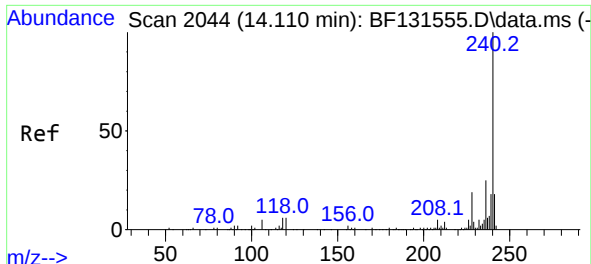
Tgt Ion:	167	Resp:	29544
Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.4	26.0
139	13.5	11.0	16.4



#75
 Fluoranthene
 Concen: 46.515 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: BF131700.D
 Acq: 19 Dec 2022 21:12

Tgt Ion:	202	Resp:	505156
Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	27.7
203	17.2	0.0	37.7

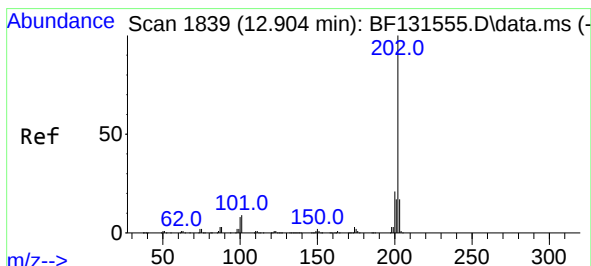
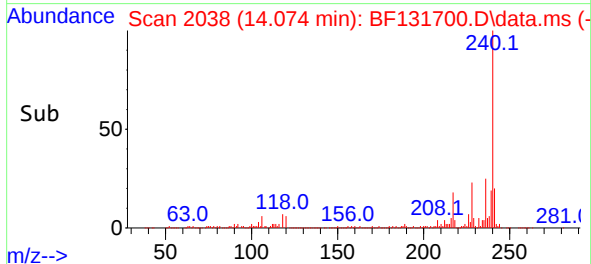
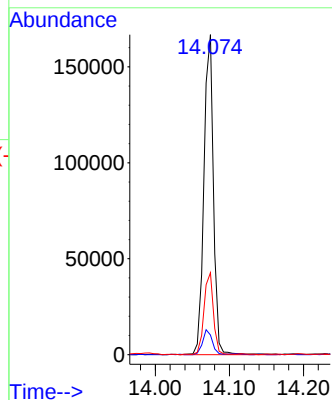
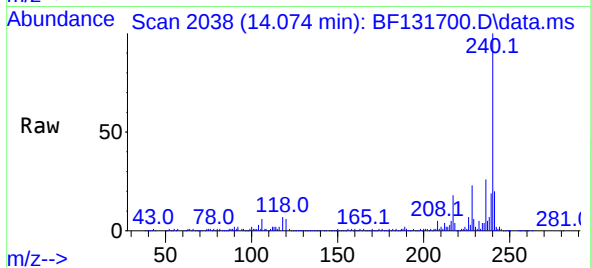




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

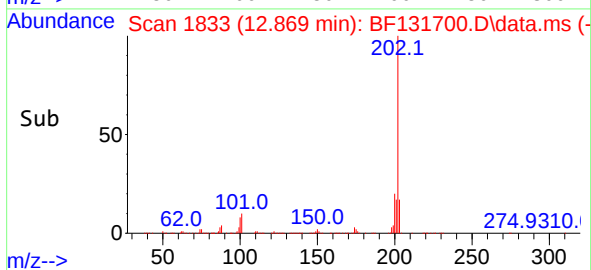
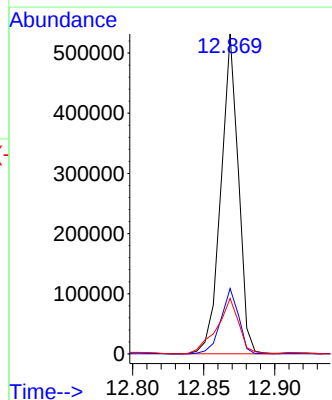
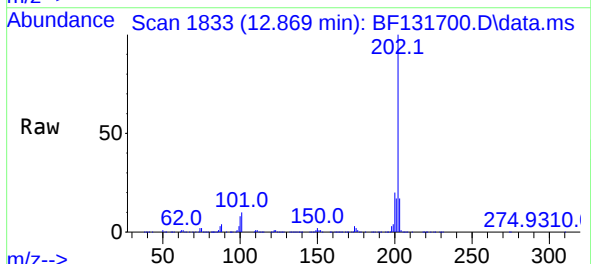
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

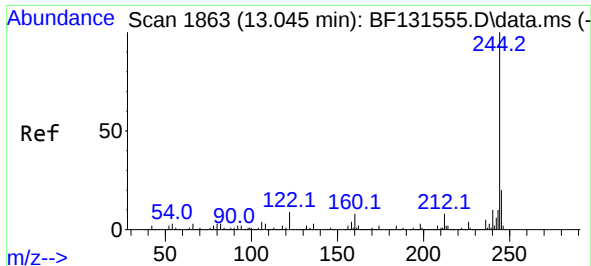
Tgt Ion:240 Resp: 149120
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 25.6 20.2 30.2



#78
Pyrene
Concen: 30.897 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:202 Resp: 454315
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 17.3 13.8 20.6

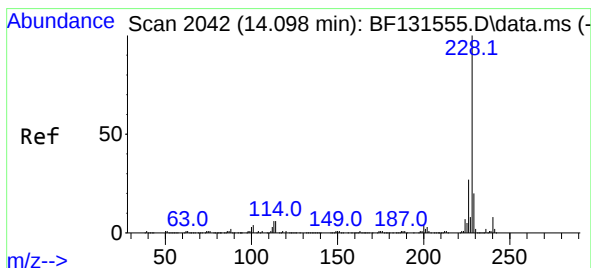
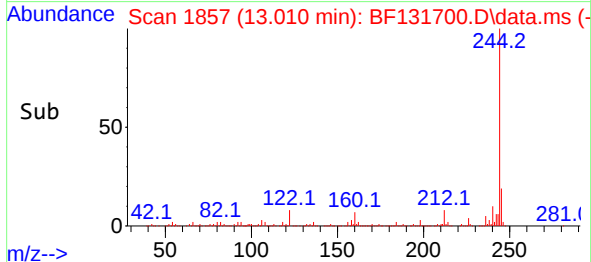
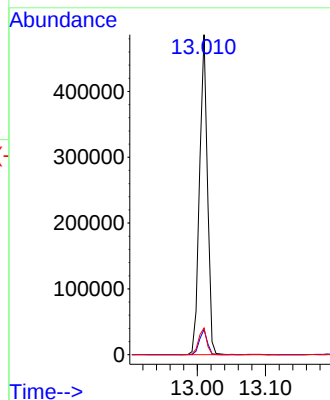
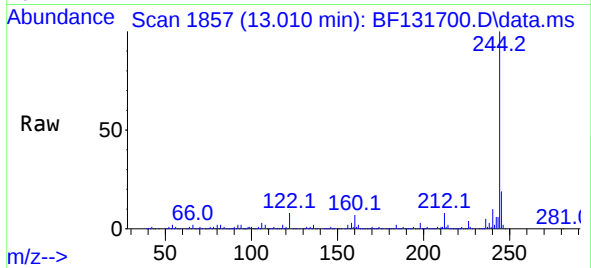




#79
 Terphenyl-d14
 Concen: 35.996 ng
 RT: 13.010 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: BF131700.D
 Acq: 19 Dec 2022 21:12

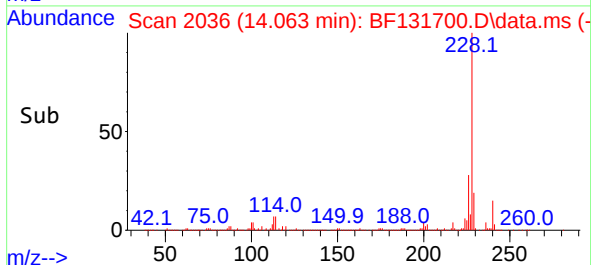
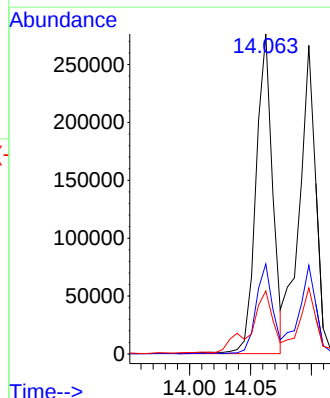
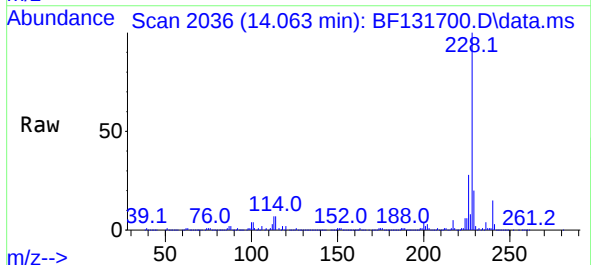
Instrument :
 BNA_F
 ClientSampleId :
 RB-37-(0-2)

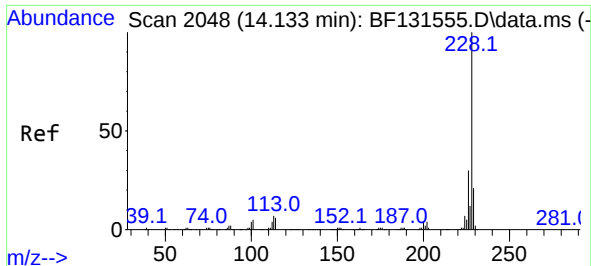
Tgt Ion:244 Resp: 391409
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.5 9.7
 122 8.4 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 24.275 ng
 RT: 14.063 min Scan# 2036
 Delta R.T. 0.000 min
 Lab File: BF131700.D
 Acq: 19 Dec 2022 21:12

Tgt Ion:228 Resp: 261410
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.5 32.3
 229 19.7 15.8 23.6

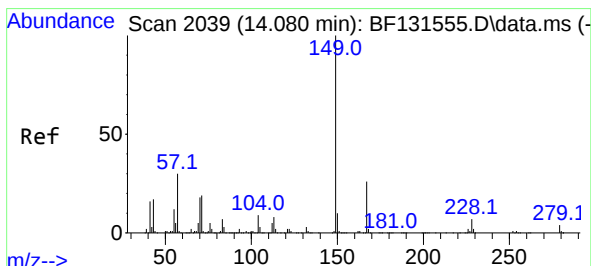
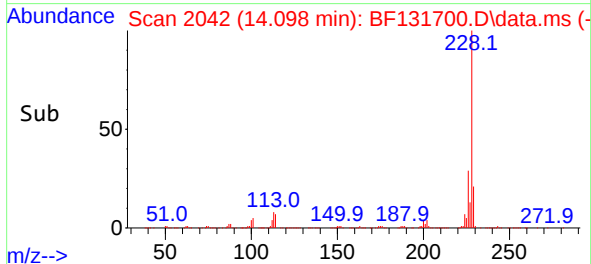
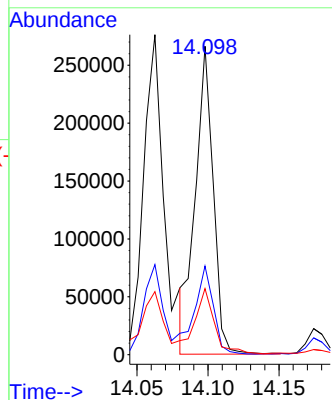
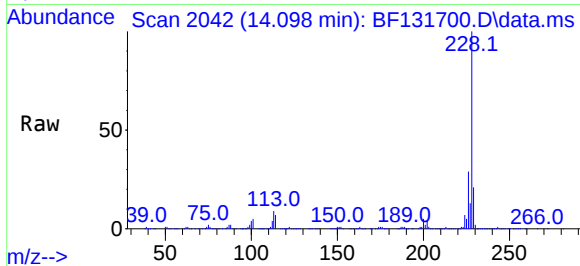




#83
Chrysene
Concen: 22.791 ng
RT: 14.098 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

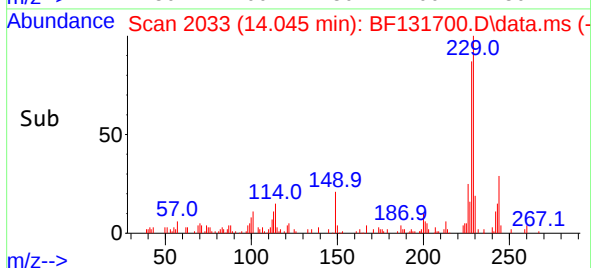
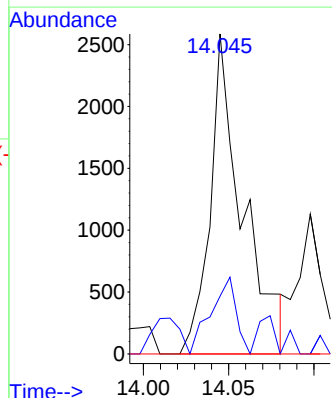
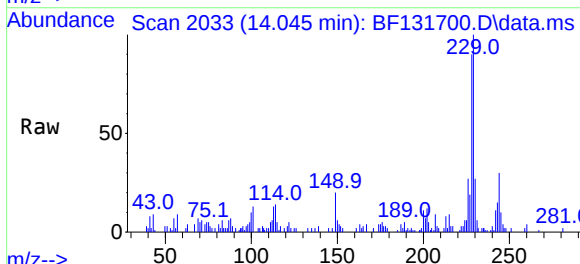
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

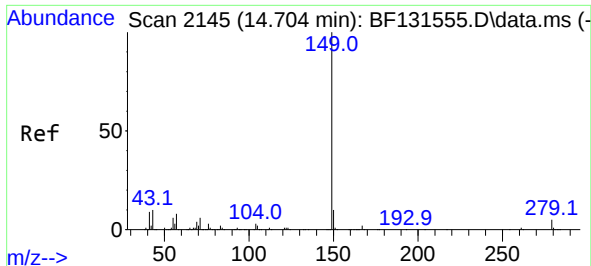
Tgt Ion:228 Resp: 233328
Ion Ratio Lower Upper
228 100
226 28.7 23.9 35.9
229 21.4 16.7 25.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.585 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:149 Resp: 3423
Ion Ratio Lower Upper
149 100
167 18.1 20.8 31.2#
279 0.0 3.3 4.9#

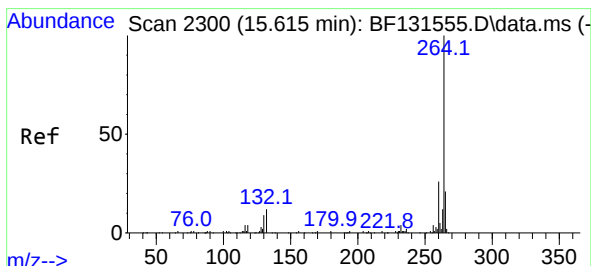
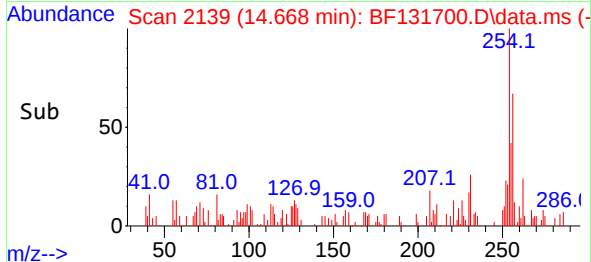
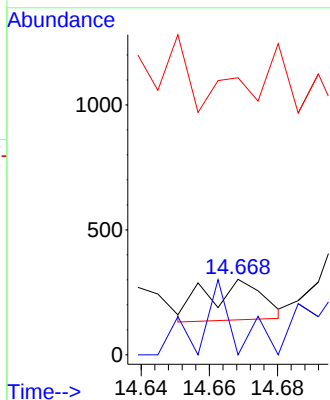
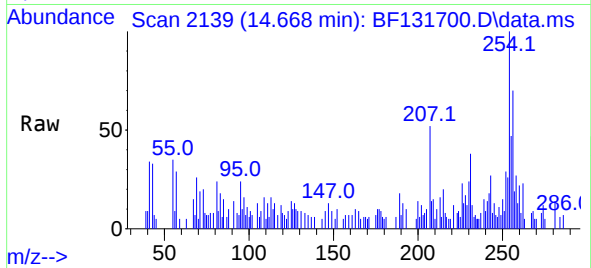




#85
Di-n-octyl phthalate
Concen: 5.236 ng
RT: 14.668 min Scan# 2145
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

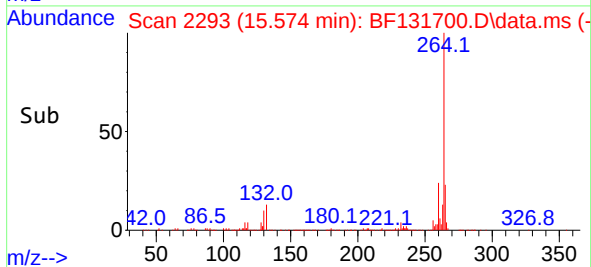
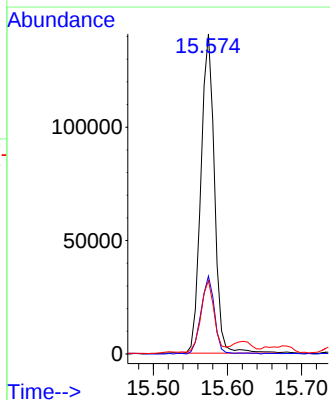
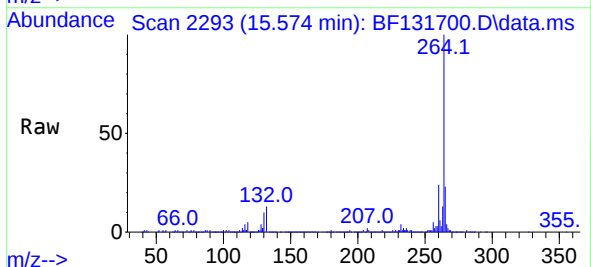
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

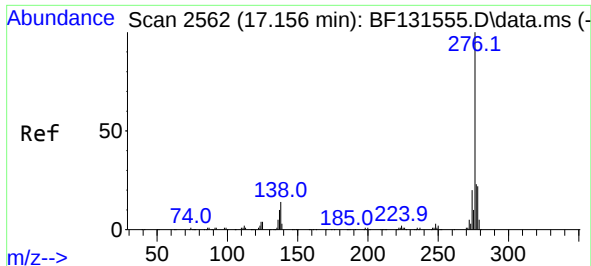
Tgt Ion:149 Resp: 185
Ion Ratio Lower Upper
149 100
167 116.2 1.2 1.8#
43 0.0 8.6 13.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:264 Resp: 179486
Ion Ratio Lower Upper
264 100
260 24.3 20.6 30.8
265 22.9 16.8 25.2

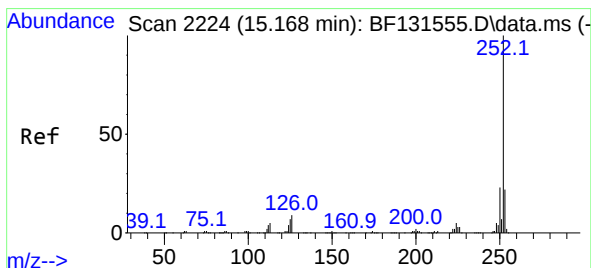
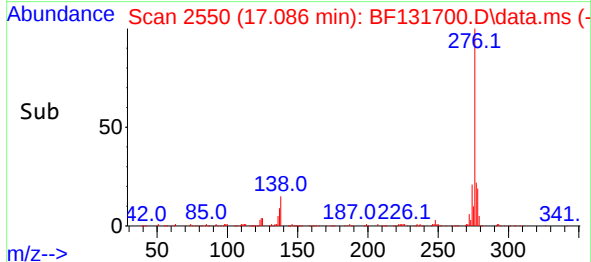
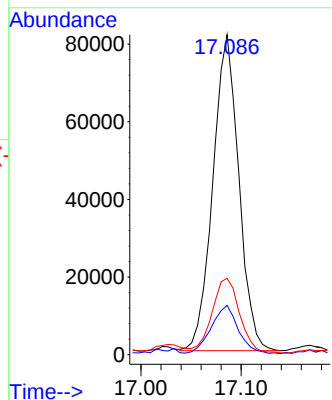
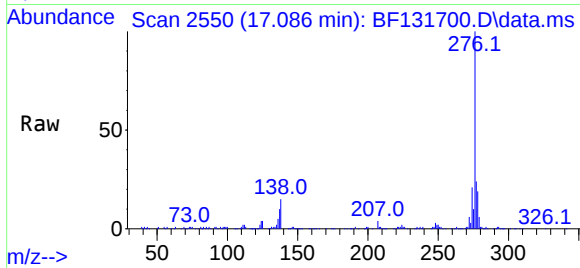




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.980 ng
RT: 17.086 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

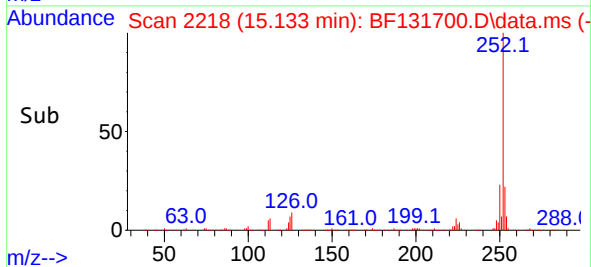
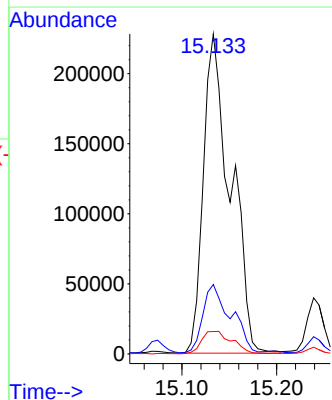
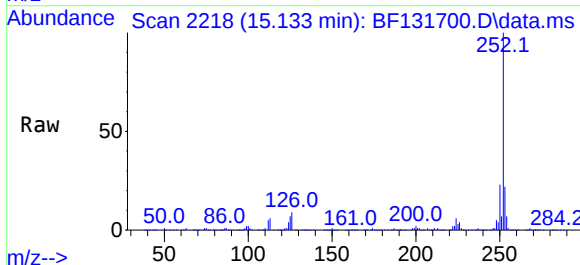
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

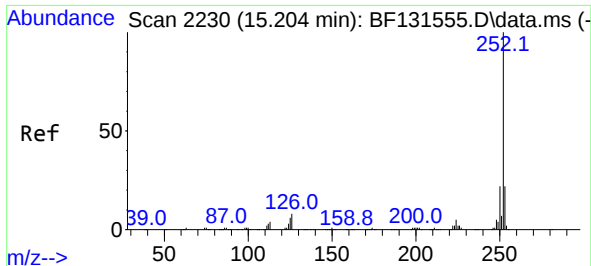
Tgt Ion:276 Resp: 146186
Ion Ratio Lower Upper
276 100
138 16.0 12.7 19.1
277 25.1 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 38.411 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.006 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:252 Resp: 454387
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 7.0 5.6 8.4

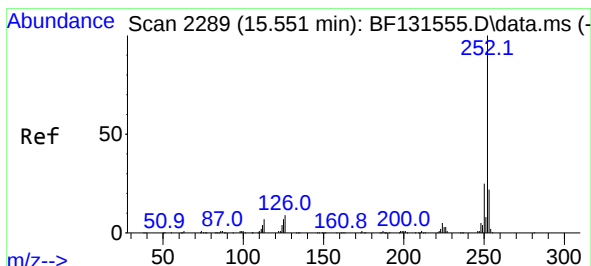
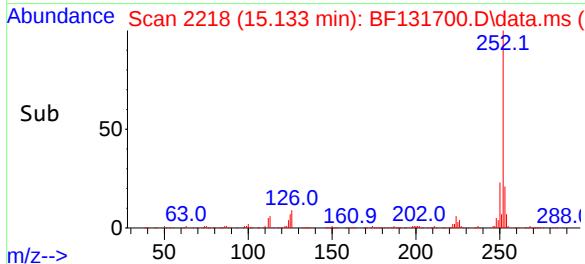
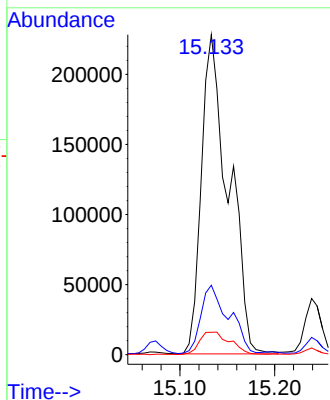
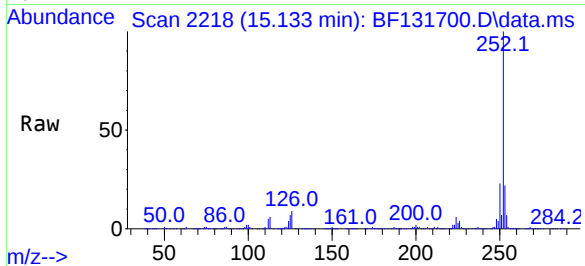




#89
Benzo(k)fluoranthene
Concen: 36.801 ng
RT: 15.133 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

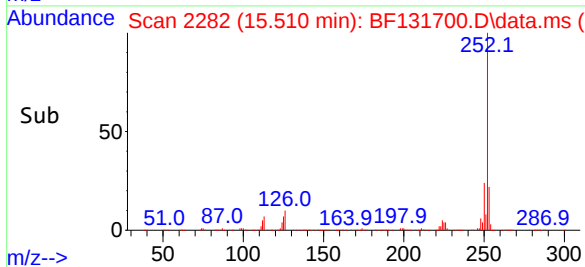
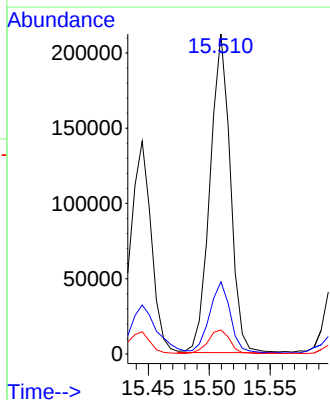
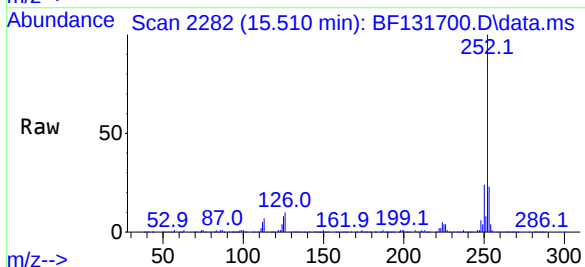
Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

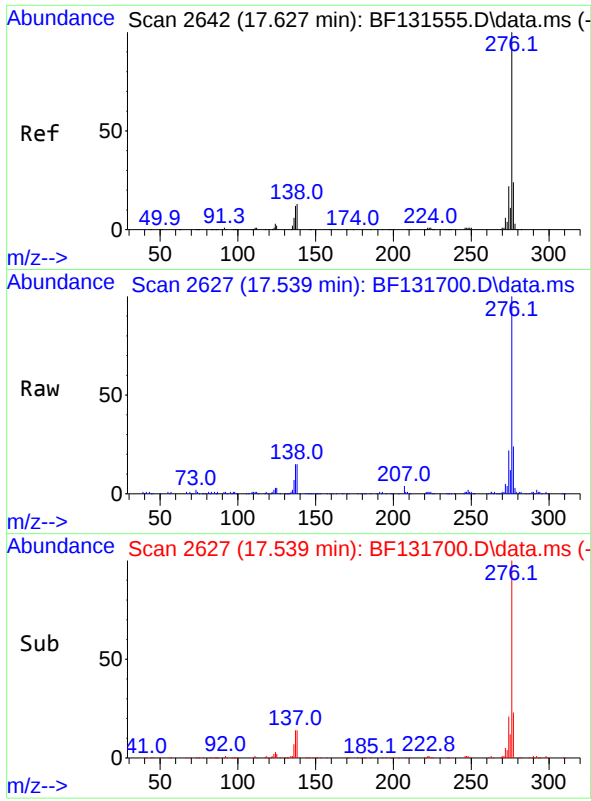
Tgt Ion:252 Resp: 454387
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 7.0 4.9 7.3



#90
Benzo(a)pyrene
Concen: 24.277 ng
RT: 15.510 min Scan# 2282
Delta R.T. 0.000 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Tgt Ion:252 Resp: 245085
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 7.5 5.6 8.4





#92
Benzo(g,h,i)perylene
Concen: 11.026 ng
RT: 17.539 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF131700.D
Acq: 19 Dec 2022 21:12

Instrument :
BNA_F
ClientSampleId :
RB-37-(0-2)

Tgt Ion:	276	Resp:	133596
Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.6
138	15.2	10.7	16.1

