

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
 Data File : BF132521.D
 Acq On : 23 Feb 2023 15:31
 Operator : CG\JU
 Sample : 01638-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB-15-241

Quant Time: Feb 24 00:37:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 00:59:42 2023
 Response via : Initial Calibration

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

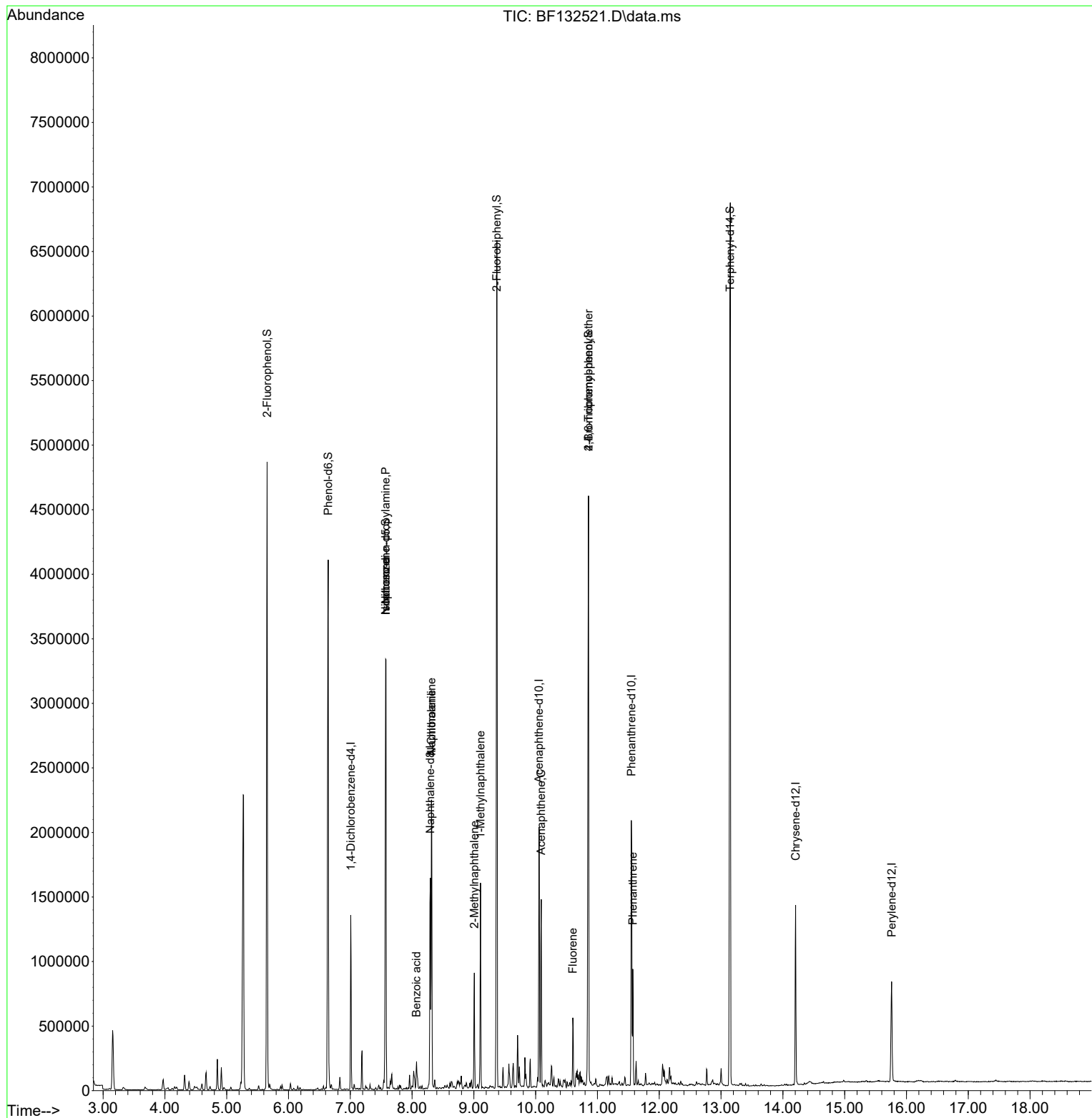
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	186854	20.000	ng	0.00
21) Naphthalene-d8	8.295	136	695125	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	390392	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	763204	20.000	ng	0.00
76) Chrysene-d12	14.207	240	438234	20.000	ng	-0.01
86) Perylene-d12	15.760	264	369458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	1299779	112.896	ng	0.02
7) Phenol-d6	6.643	99	1574617	104.796	ng	0.00
23) Nitrobenzene-d5	7.572	82	1289611	88.020	ng	0.00
42) 2,4,6-Tribromophenol	10.854	330	572180	135.714	ng	0.00
45) 2-Fluorobiphenyl	9.372	172	2014038	78.554	ng	0.00
79) Terphenyl-d14	13.148	244	2640741	101.882	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.572	70	176822	19.121	ng	# 80
25) Isophorone	7.572	82	1286826	45.811	ng	# 67
31) Naphthalene	8.313	128	941027	26.444	ng	99
32) Benzoic acid	8.072	122	1615	4.009	ng	# 1
33) 4-Chloroaniline	8.313	127	127295	8.348	ng	# 31
37) 2-Methylnaphthalene	9.007	142	208663	8.604	ng	97
38) 1-Methylnaphthalene	9.107	142	358174	15.804	ng	99
52) Acenaphthene	10.089	154	283620	11.980	ng	99
58) Fluorene	10.601	166	139895	5.299	ng	96
67) 4-Bromophenyl-phenylether	10.854	248	37735	4.371	ng	# 1
71) Phenanthrene	11.572	178	308054	7.791	ng	98

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

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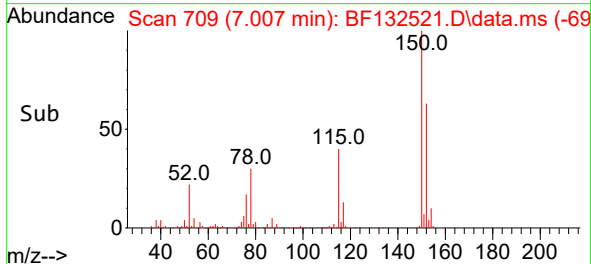
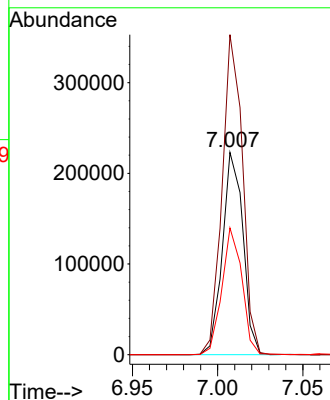
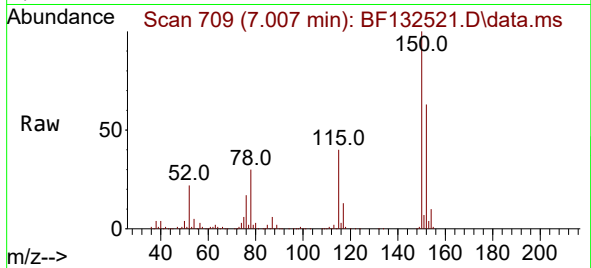




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

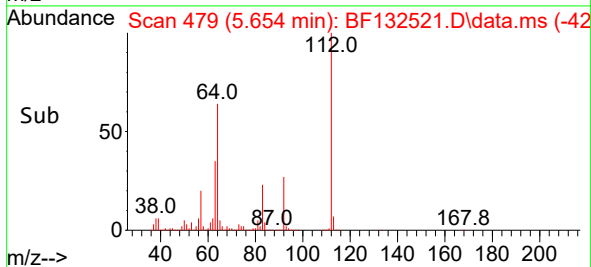
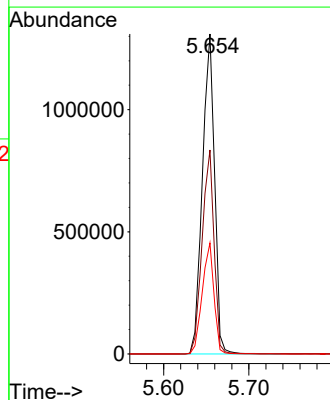
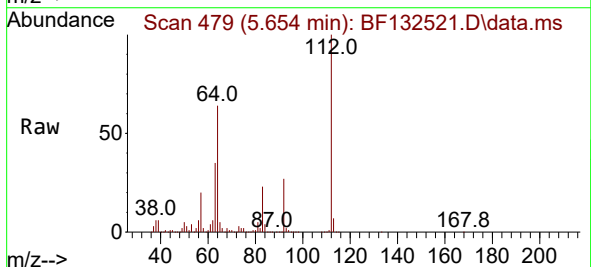
Instrument :
BNA_F
ClientSampleId :
VB-15-241

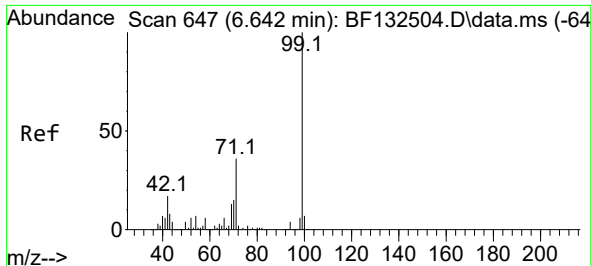
Tgt Ion:152 Resp: 186854
Ion Ratio Lower Upper
152 100
150 158.2 125.4 188.2
115 62.7 47.8 71.6



#5
2-Fluorophenol
Concen: 112.896 ng
RT: 5.654 min Scan# 479
Delta R.T. 0.018 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion:112 Resp: 1299779
Ion Ratio Lower Upper
112 100
64 63.7 51.6 77.4
63 34.7 27.4 41.2

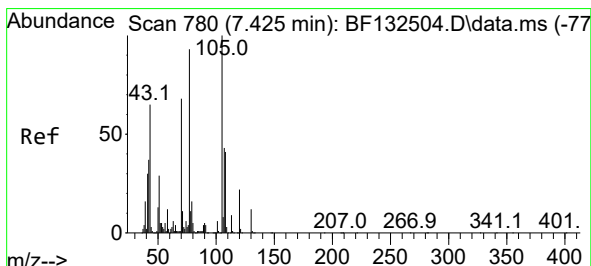
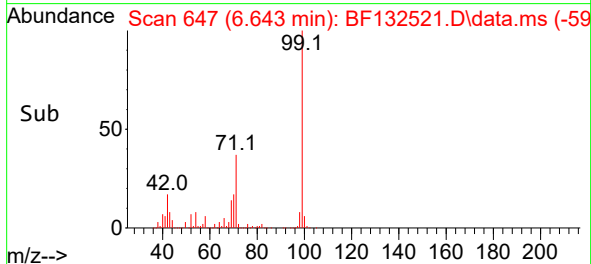
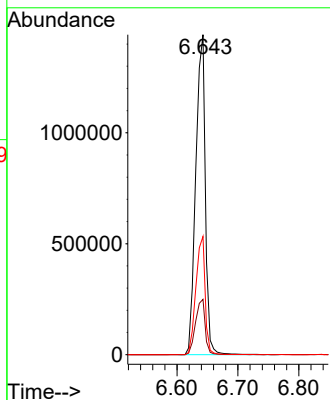
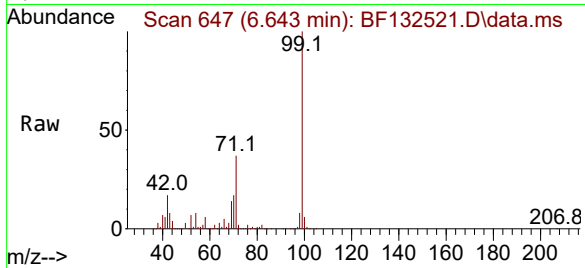




#7
Phenol-d6
Concen: 104.796 ng
RT: 6.643 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

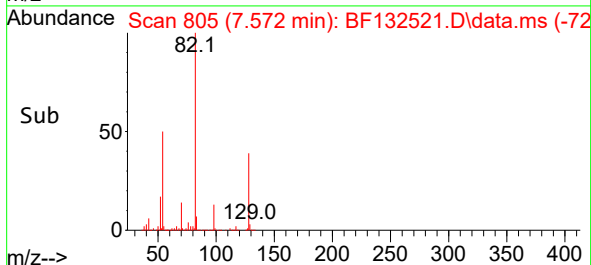
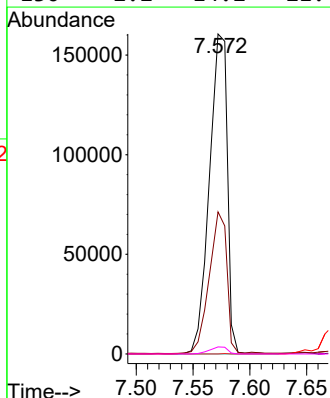
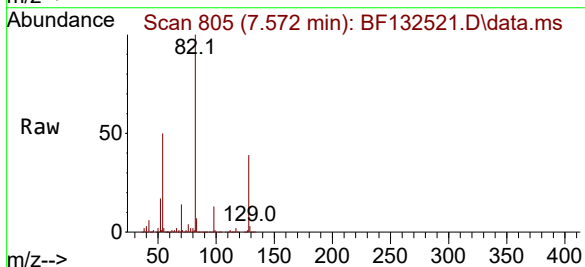
Instrument :
BNA_F
ClientSampleId :
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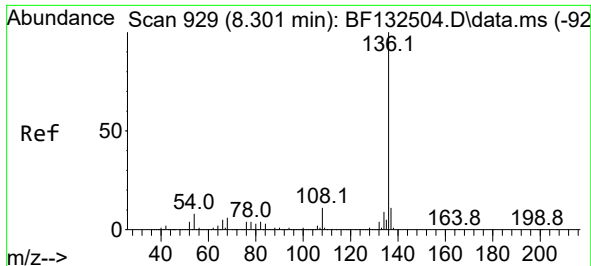
Tgt Ion: 99 Resp: 1574617
Ion Ratio Lower Upper
99 100
42 17.3 13.9 20.9
71 36.9 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 19.121 ng
RT: 7.572 min Scan# 805
Delta R.T. 0.147 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion: 70 Resp: 176822
Ion Ratio Lower Upper
70 100
42 44.4 44.1 66.1
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#

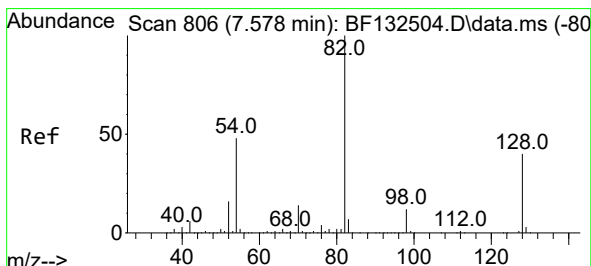
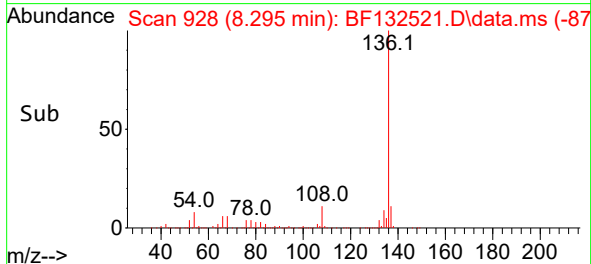
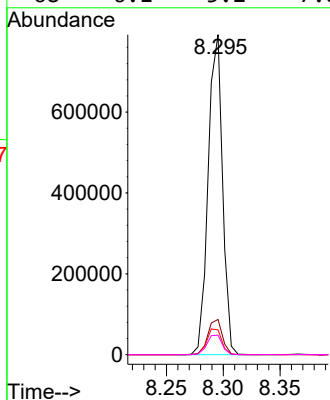
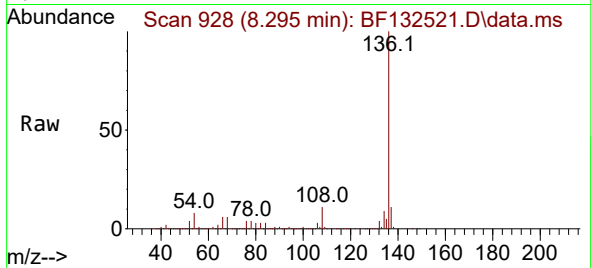




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.295 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

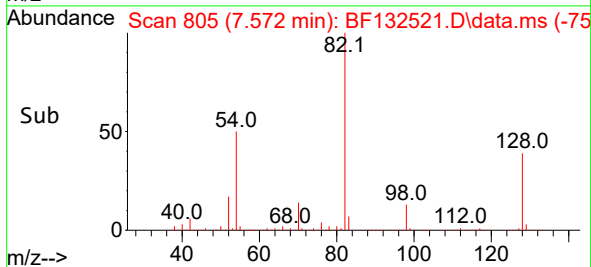
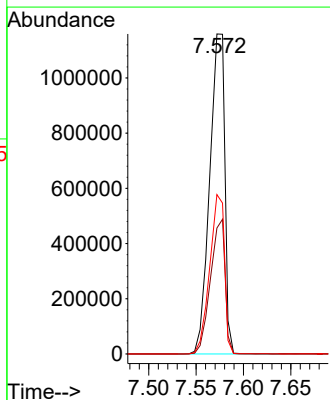
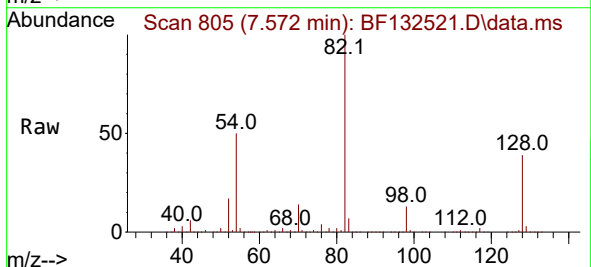
Instrument :
BNA_F
ClientSampleId :
VB-15-241

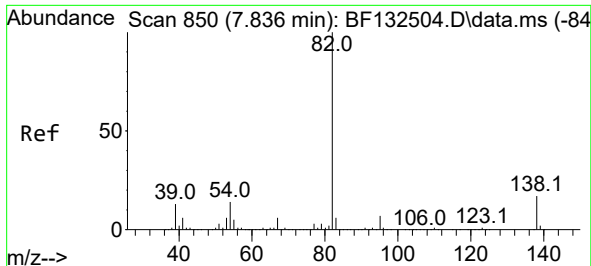
Tgt Ion:136 Resp: 695125
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.8 6.2 9.4
68 6.1 5.2 7.8



#23
Nitrobenzene-d5
Concen: 88.020 ng
RT: 7.572 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion: 82 Resp: 1289611
Ion Ratio Lower Upper
82 100
128 39.3 32.2 48.2
54 49.8 38.4 57.6

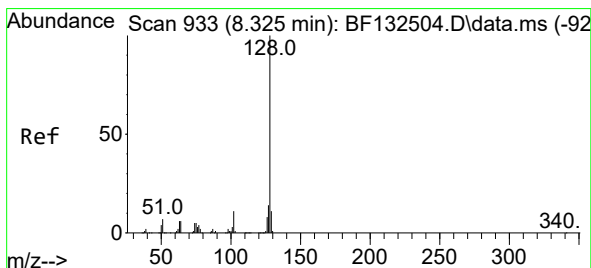
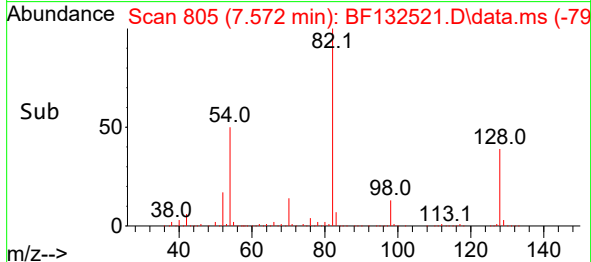
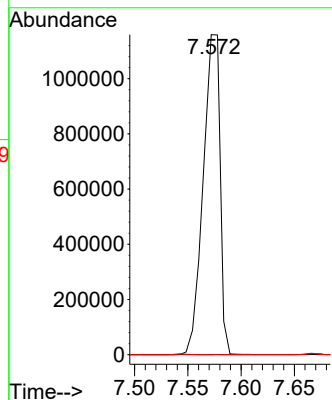
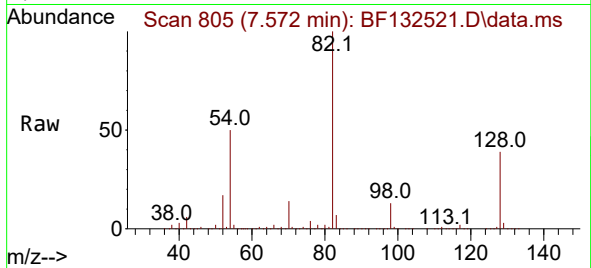




#25
Isophorone
Concen: 45.811 ng
RT: 7.572 min Scan# 80
Delta R.T. -0.264 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

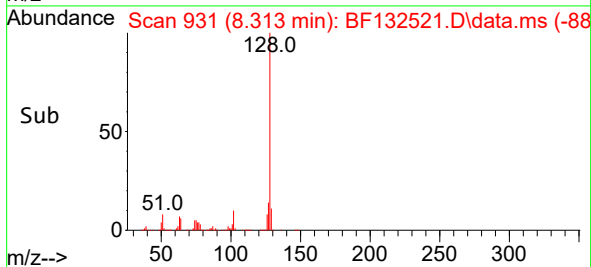
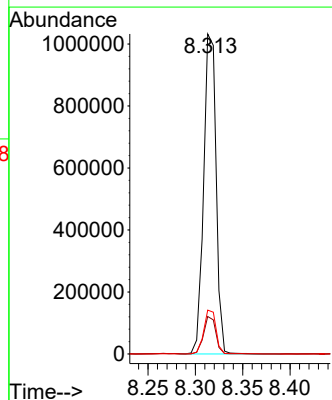
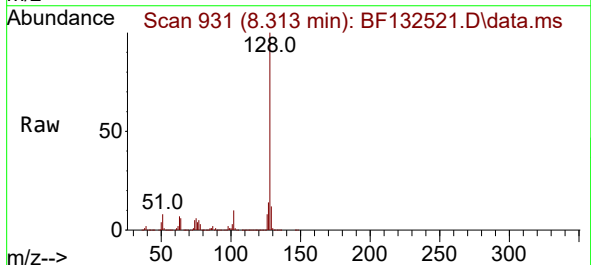
Instrument :
BNA_F
ClientSampleId :
VB-15-241

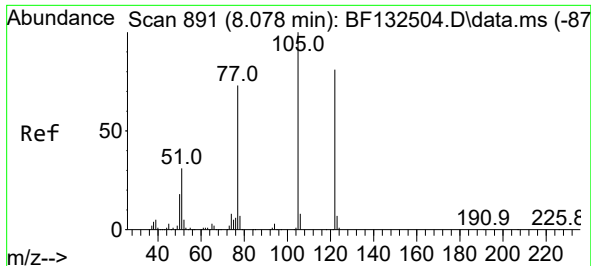
Tgt Ion: 82 Resp: 1286826
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#31
Naphthalene
Concen: 26.444 ng
RT: 8.313 min Scan# 931
Delta R.T. -0.012 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion:128 Resp: 941027
Ion Ratio Lower Upper
128 100
129 11.7 9.1 13.7
127 13.7 11.0 16.6

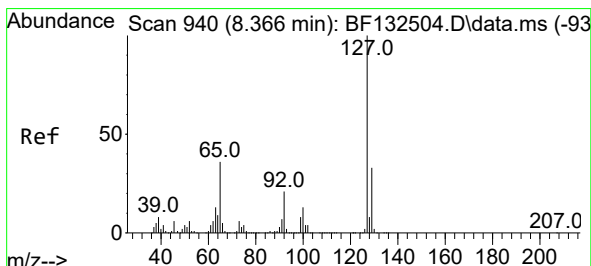
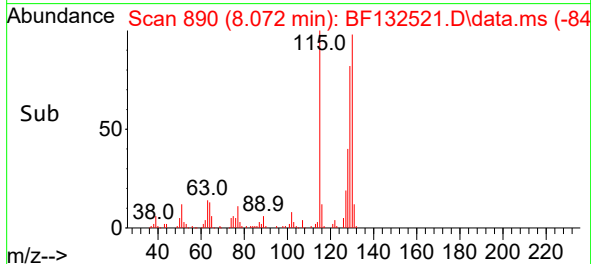
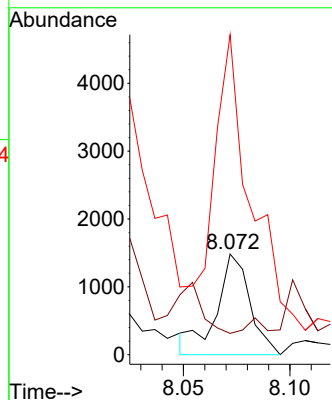
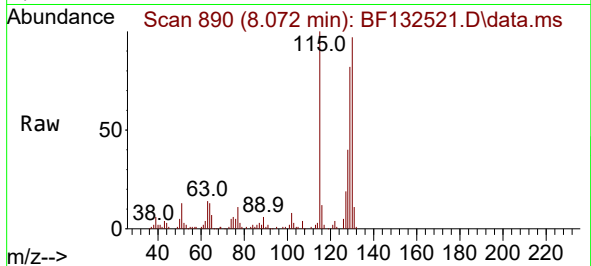




#32
Benzoic acid
Concen: 4.009 ng
RT: 8.072 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

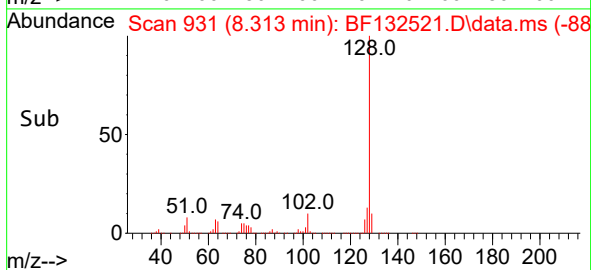
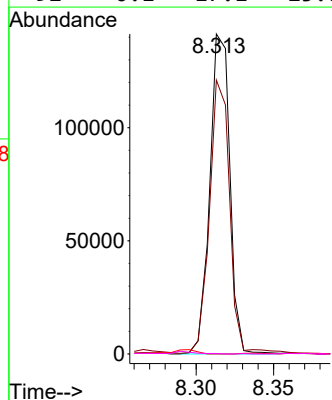
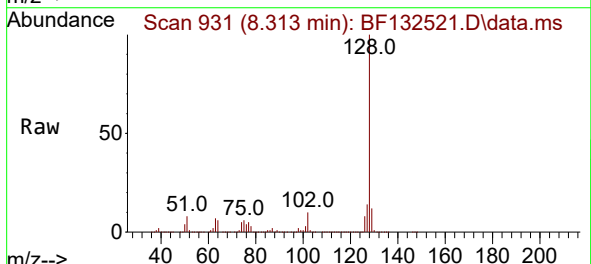
Instrument :
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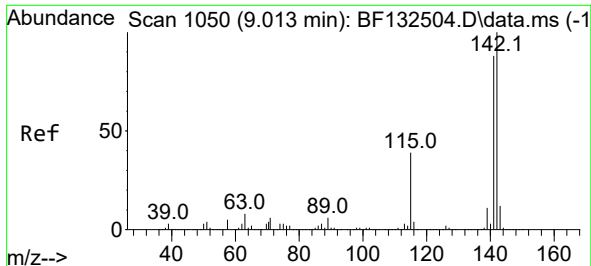
Tgt Ion:122 Resp: 1615
Ion Ratio Lower Upper
122 100
105 21.2 102.6 142.6#
77 318.1 70.2 110.2#



#33
4-Chloroaniline
Concen: 8.348 ng
RT: 8.313 min Scan# 931
Delta R.T. -0.053 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion:127 Resp: 127295
Ion Ratio Lower Upper
127 100
129 85.6 26.4 39.6#
65 0.0 28.8 43.2#
92 0.1 17.1 25.7#

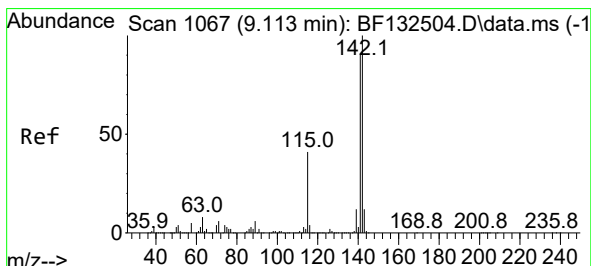
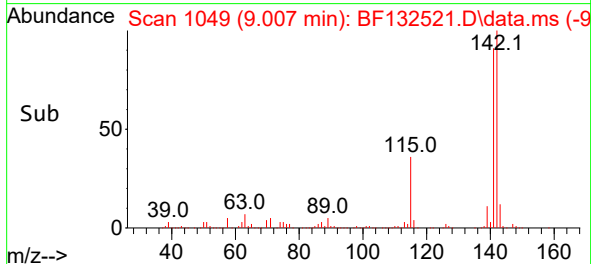
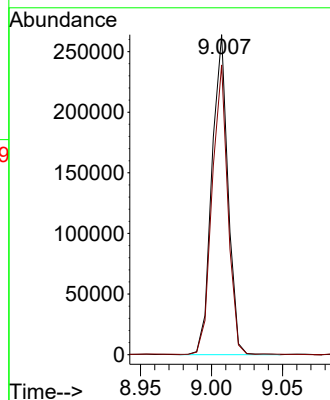
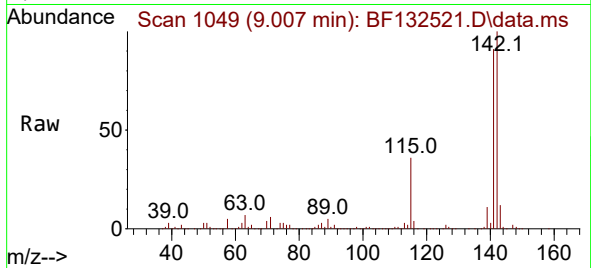




#37
2-Methylnaphthalene
Concen: 8.604 ng
RT: 9.007 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

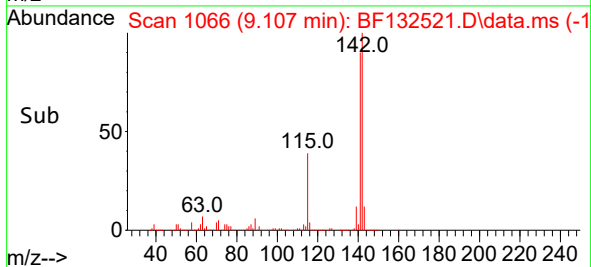
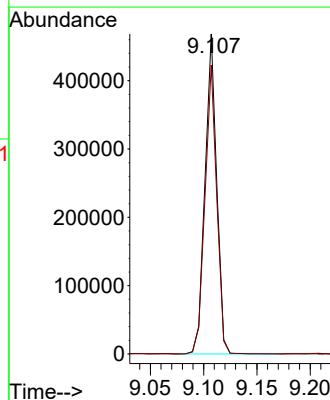
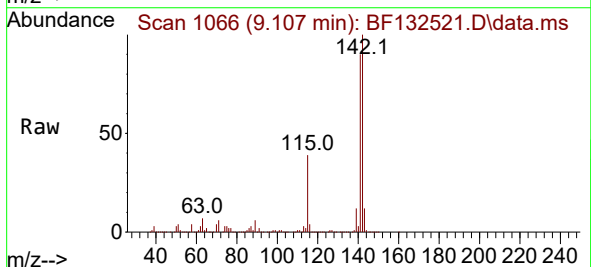
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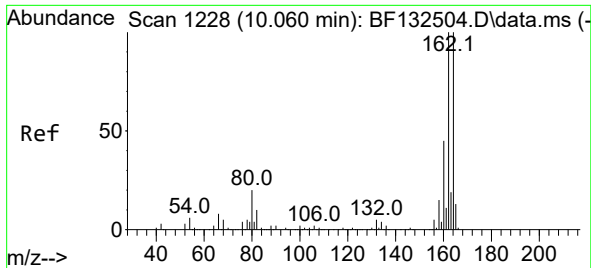
Tgt Ion:142 Resp: 208663
Ion Ratio Lower Upper
142 100
141 90.5 70.2 105.2



#38
1-Methylnaphthalene
Concen: 15.804 ng
RT: 9.107 min Scan# 1066
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion:142 Resp: 358174
Ion Ratio Lower Upper
142 100
141 90.3 73.0 109.6

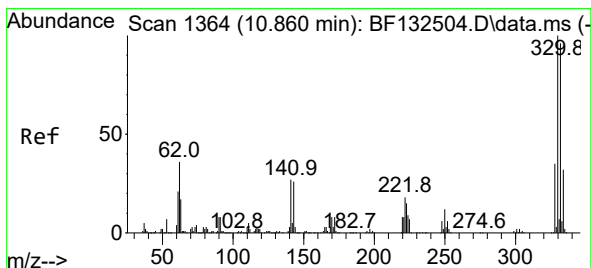
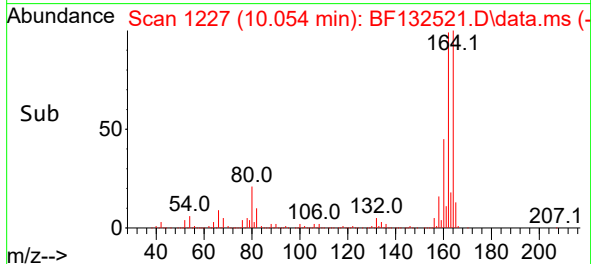
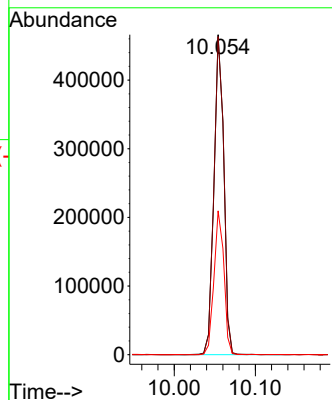
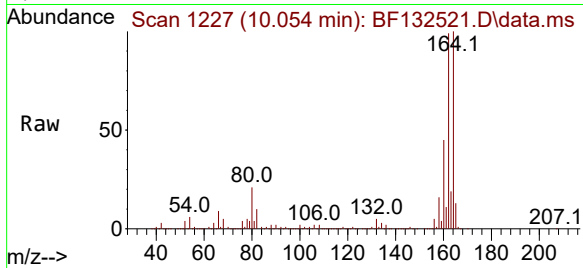




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.054 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

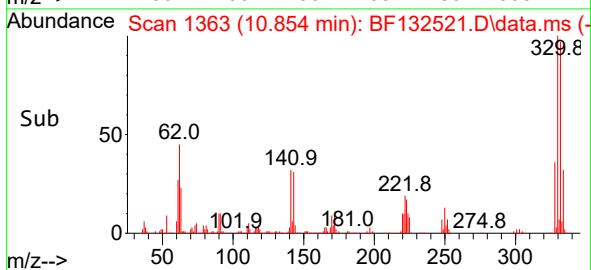
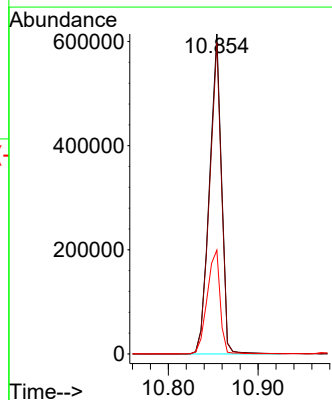
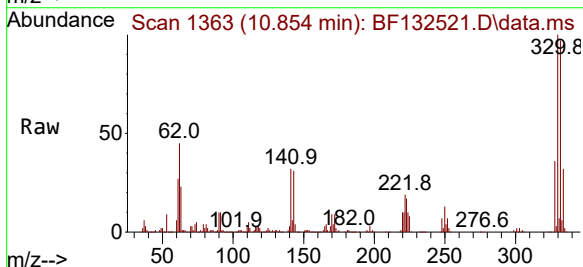
Instrument :
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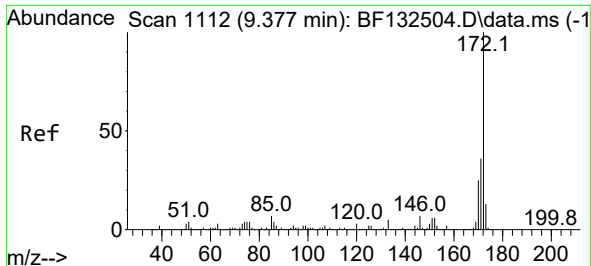
Tgt Ion:164 Resp: 390392
Ion Ratio Lower Upper
164 100
162 99.4 79.8 119.8
160 45.0 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 135.714 ng
RT: 10.854 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion:330 Resp: 572180
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 34.9 28.4 42.6

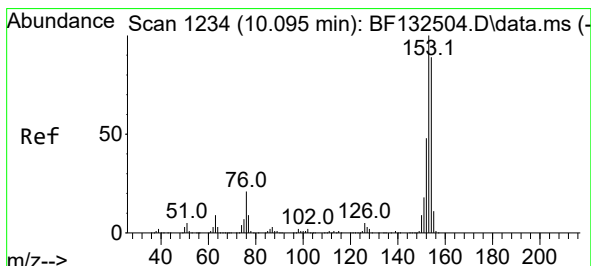
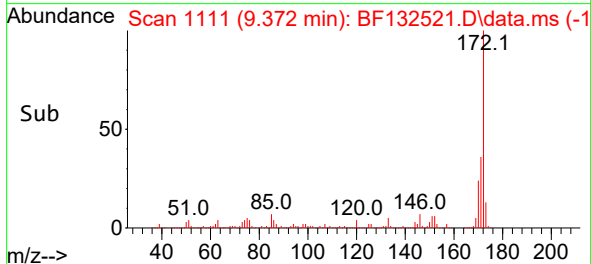
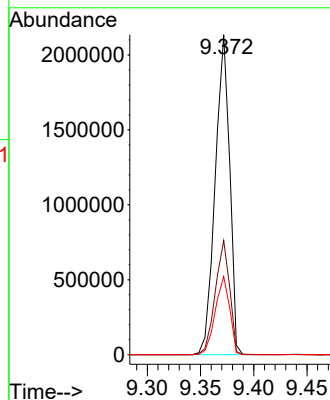
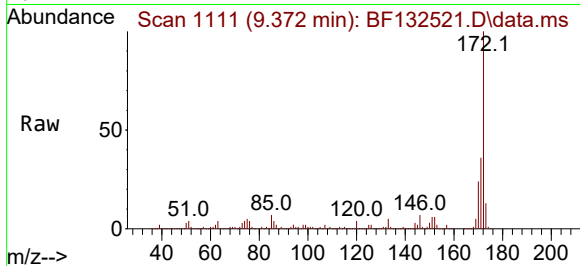




#45
2-Fluorobiphenyl
Concen: 78.554 ng
RT: 9.372 min Scan# 1112
Delta R.T. -0.005 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

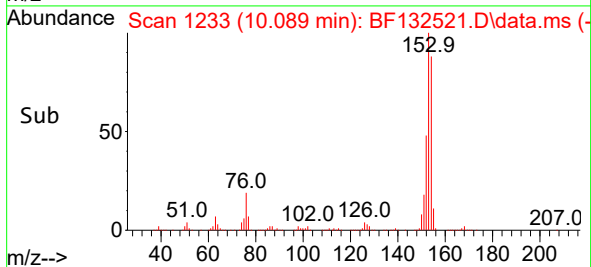
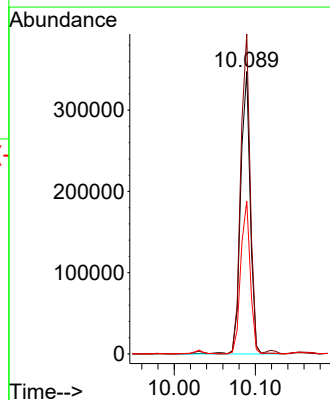
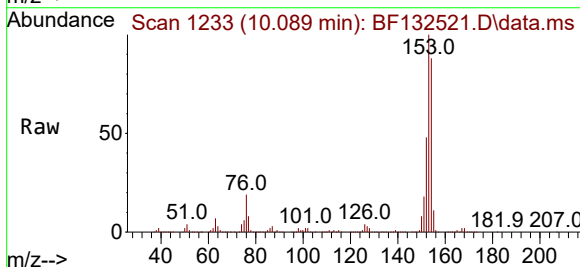
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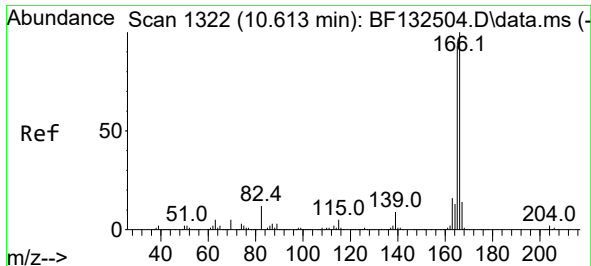
Tgt Ion:172 Resp: 2014038
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.4 19.7 29.5



#52
Acenaphthene
Concen: 11.980 ng
RT: 10.089 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion:154 Resp: 283620
Ion Ratio Lower Upper
154 100
153 113.3 89.8 134.8
152 54.2 43.3 64.9

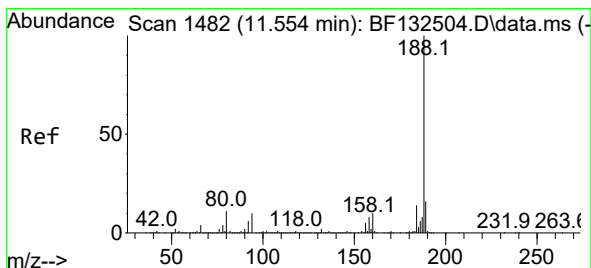
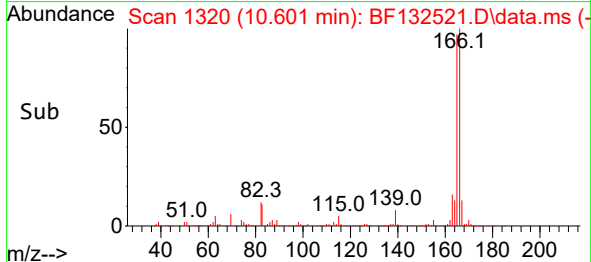
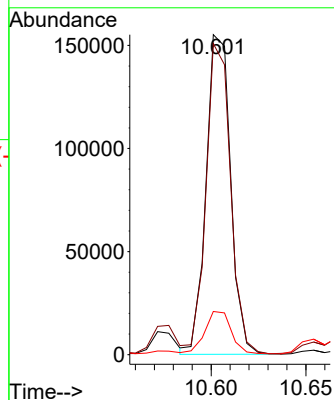
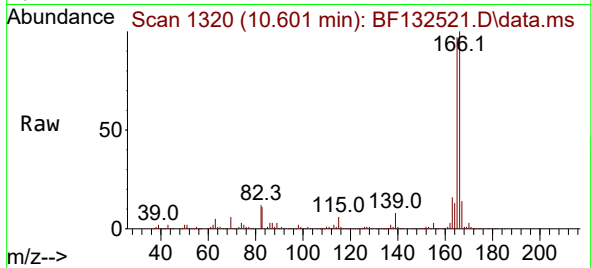




#58
Fluorene
Concen: 5.299 ng
RT: 10.601 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

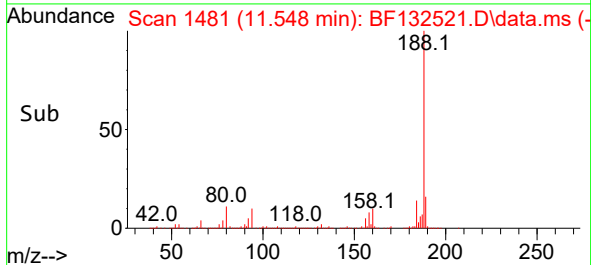
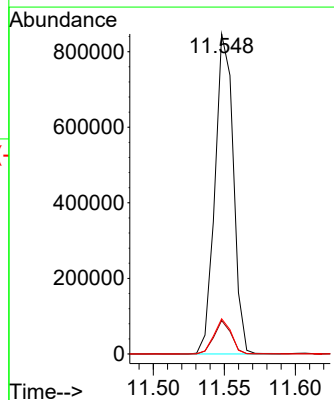
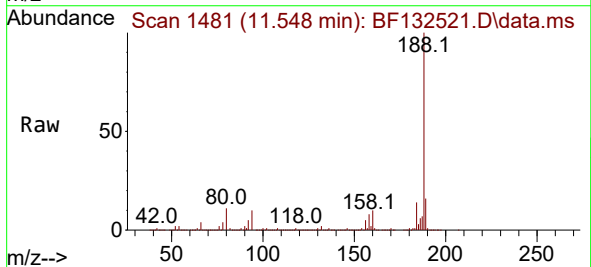
Instrument :
BNA_F
ClientSampleId :
VB-15-241

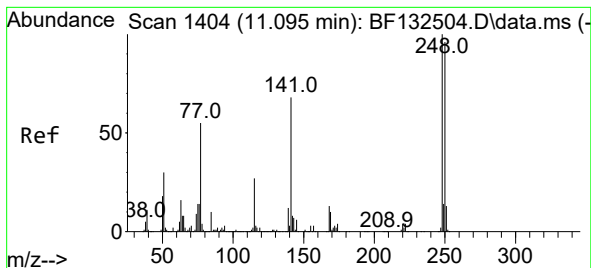
Tgt Ion:166 Resp: 139895
Ion Ratio Lower Upper
166 100
165 97.2 74.2 111.4
167 13.5 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.548 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion:188 Resp: 763204
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.0 8.7 13.1

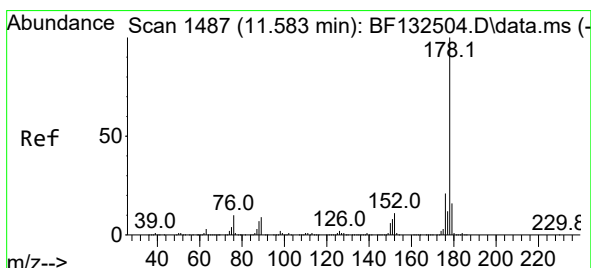
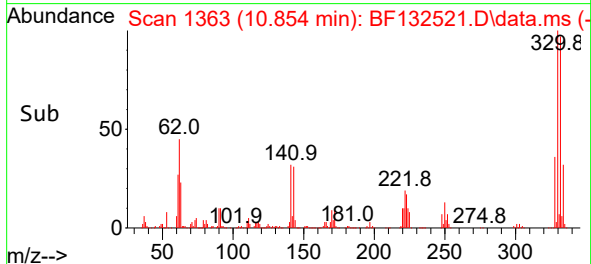
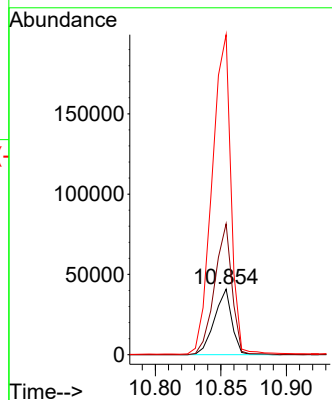
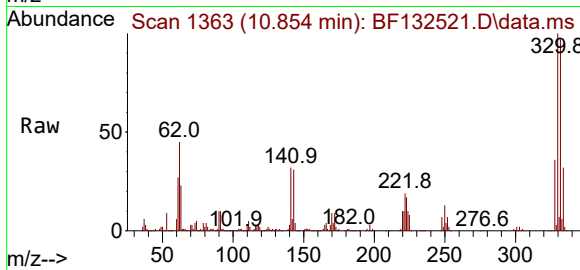




#67
4-Bromophenyl-phenylether
Concen: 4.371 ng
RT: 10.854 min Scan# 11
Delta R.T. -0.241 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

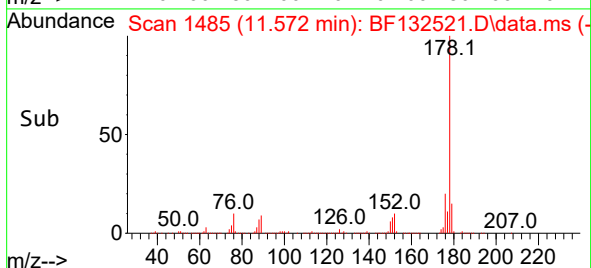
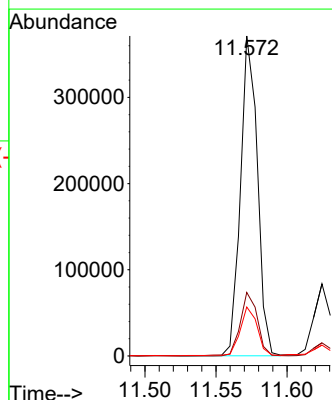
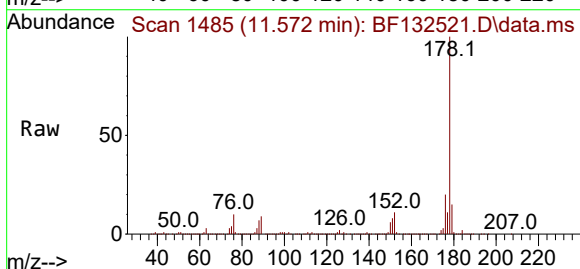
Instrument :
BNA_F
ClientSampleId :
VB-15-241

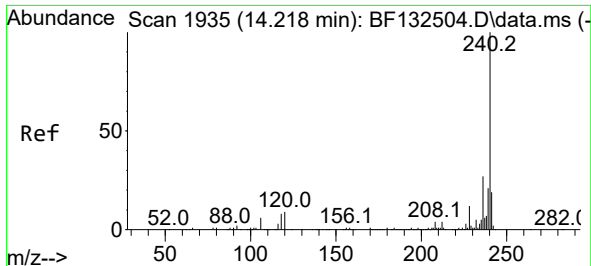
Tgt Ion:248 Resp: 37735
Ion Ratio Lower Upper
248 100
250 199.4 77.0 115.4#
141 487.4 54.2 81.2#



#71
Phenanthrene
Concen: 7.791 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.012 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

Tgt Ion:178 Resp: 308054
Ion Ratio Lower Upper
178 100
176 19.9 16.5 24.7
179 15.3 13.0 19.6

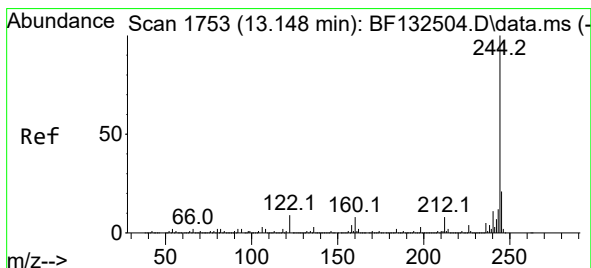
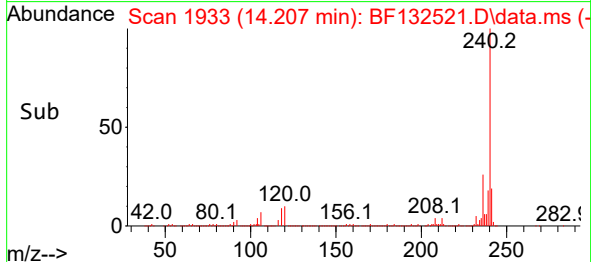
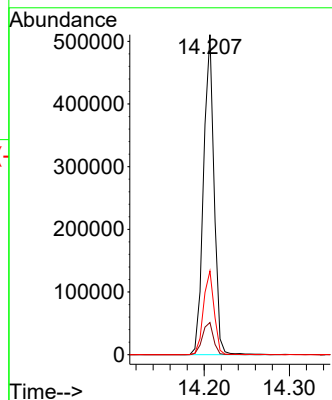
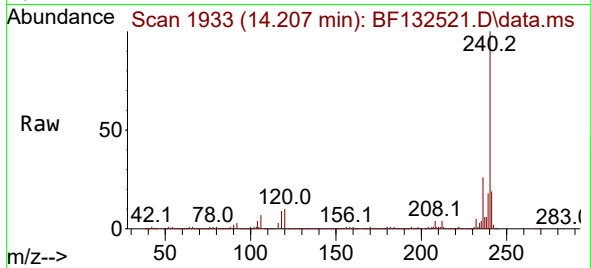




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

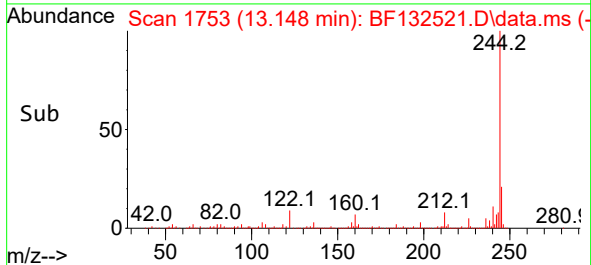
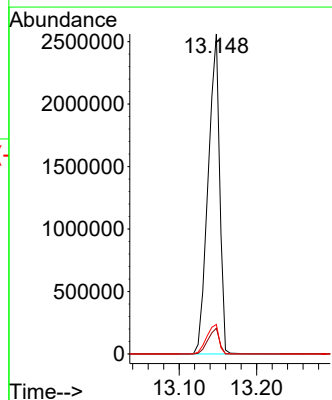
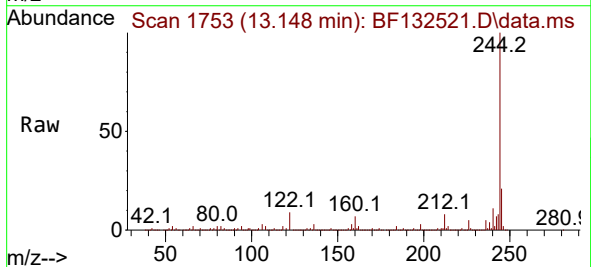
Instrument :
BNA_F
ClientSampleId :
VB-15-241

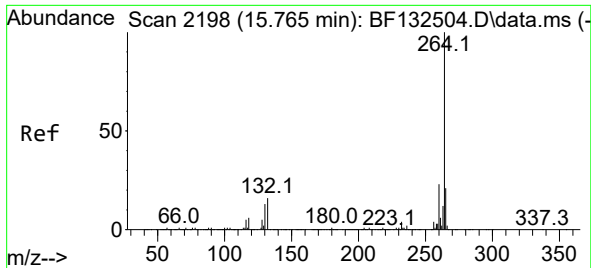
Tgt Ion:240 Resp: 438234
Ion Ratio Lower Upper
240 100
120 10.0 7.2 10.8
236 26.2 21.8 32.6



#79
Terphenyl-d14
Concen: 101.882 ng
RT: 13.148 min Scan# 1753
Delta R.T. 0.000 min
Lab File: BF132521.D
Acq: 23 Feb 2023 15:31

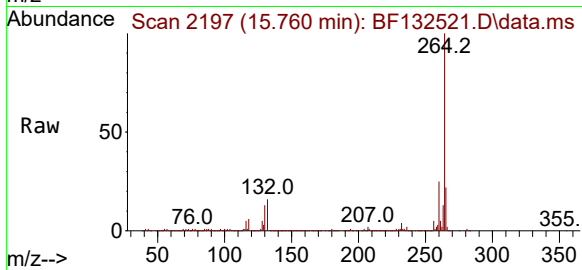
Tgt Ion:244 Resp: 2640741
Ion Ratio Lower Upper
244 100
212 8.1 6.5 9.7
122 9.2 7.5 11.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.760 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF132521.D
 Acq: 23 Feb 2023 15:31

Instrument :
 BNA_F
 ClientSampleId :
 VB-15-241



Tgt Ion:264 Resp: 369458
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.8 28.2
 265 21.6 17.1 25.7

