

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127924.D
 Acq On : 26 Apr 2022 20:41
 Operator : CG\JU
 Sample : N2479-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5

Quant Time: Apr 27 01:48:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

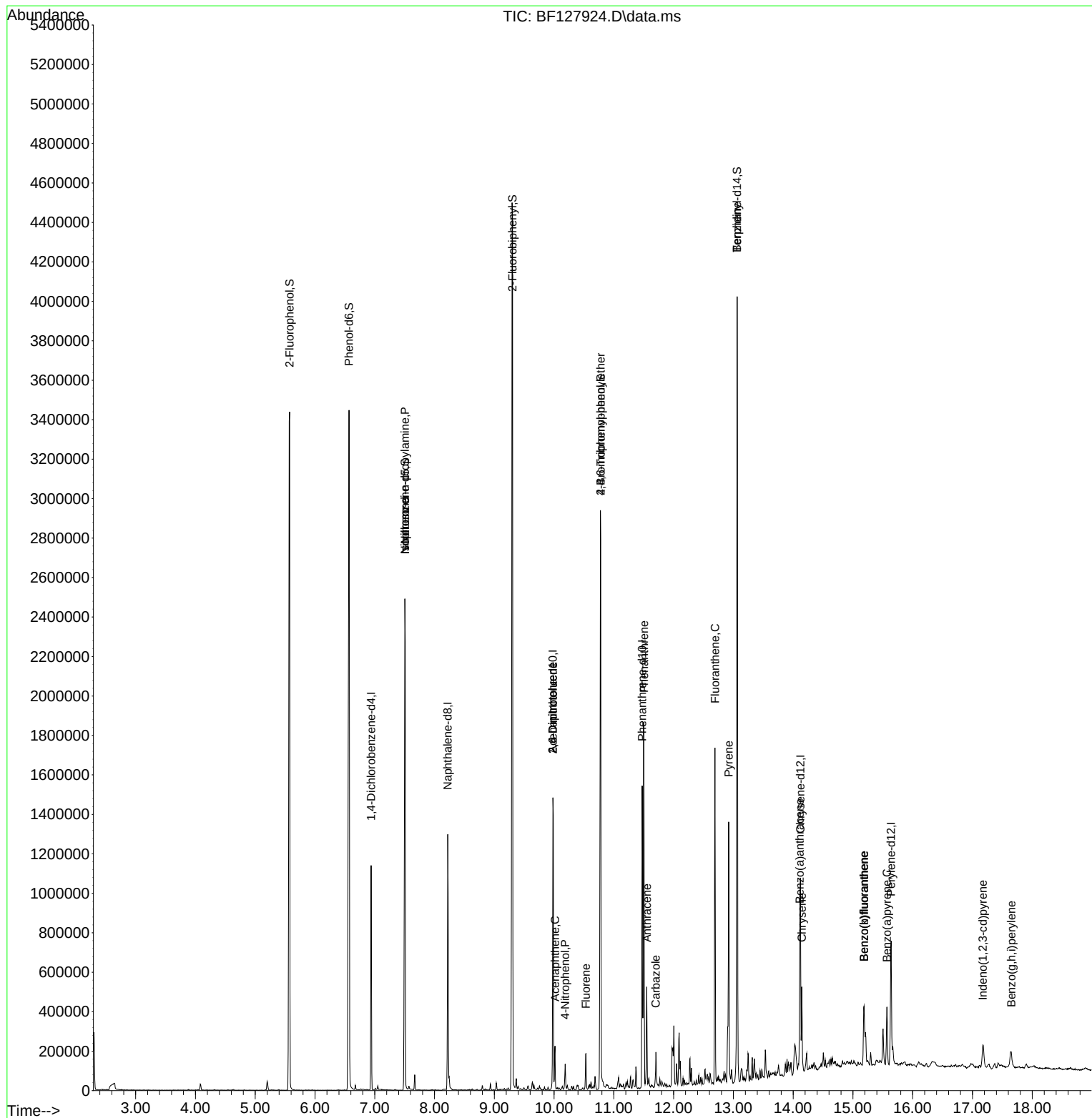
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	144238	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	576322	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	332179	20.000	ng	0.00
64) Phenanthrene-d10	11.474	188	575602	20.000	ng	0.00
76) Chrysene-d12	14.121	240	288365	20.000	ng	0.00
86) Perylene-d12	15.639	264	303676	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	999399	110.361	ng	0.01
7) Phenol-d6	6.569	99	1361253	115.847	ng	0.00
23) Nitrobenzene-d5	7.504	82	993689	81.079	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	379907	113.610	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1592154	81.086	ng	0.00
79) Terphenyl-d14	13.063	244	1450452	91.975	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	135628	18.856	ng	# 80
25) Isophorone	7.504	82	993677	48.172	ng	# 68
51) 2,6-Dinitrotoluene	9.980	165	44150	9.153	ng	# 21
52) Acenaphthene	10.016	154	43134	2.239	ng	97
56) 4-Nitrophenol	10.186	139	16326	3.992	ng	# 2
57) 2,4-Dinitrotoluene	9.980	165	44151	6.910	ng	# 26
58) Fluorene	10.533	166	52705	2.541	ng	99
67) 4-Bromophenyl-phenylether	10.780	248	23917	3.748	ng	# 1
71) Phenanthrene	11.504	178	703923	23.363	ng	99
72) Anthracene	11.551	178	185956	6.196	ng	98
73) Carbazole	11.704	167	61856	2.138	ng	99
75) Fluoranthene	12.692	202	625944	19.739	ng	98
77) Benzidine	13.063	184	20966	3.843	ng	# 89
78) Pyrene	12.921	202	511297	21.965	ng	99
81) Benzo(a)anthracene	14.110	228	183816	9.564	ng	98
83) Chrysene	14.145	228	150888	8.220	ng	98
87) Indeno(1,2,3-cd)pyrene	17.174	276	83824	4.135	ng	95
88) Benzo(b)fluoranthene	15.186	252	244543	12.821	ng	98
89) Benzo(k)fluoranthene	15.186	252	244543	12.726	ng	# 96
90) Benzo(a)pyrene	15.568	252	143610	9.077	ng	98
92) Benzo(g,h,i)perylene	17.650	276	74137	4.327	ng	99

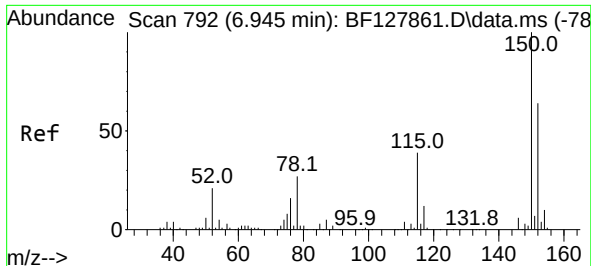
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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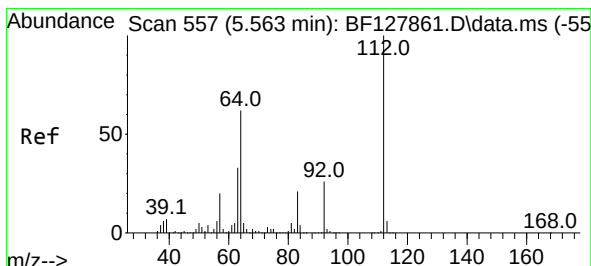
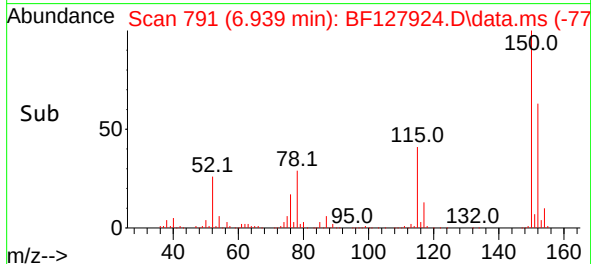
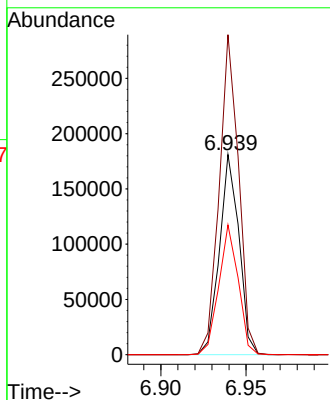
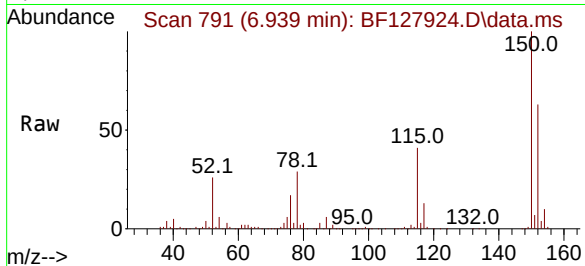




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.939 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

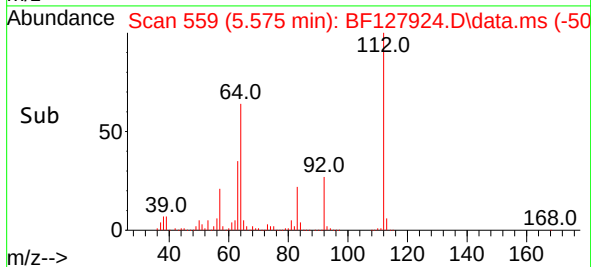
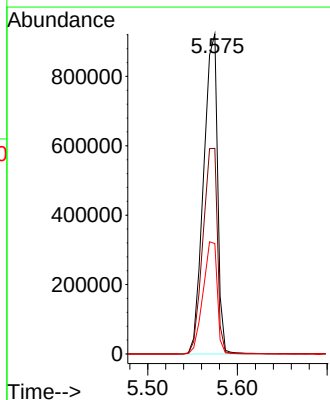
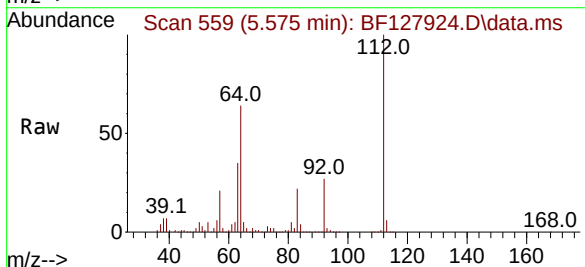
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5

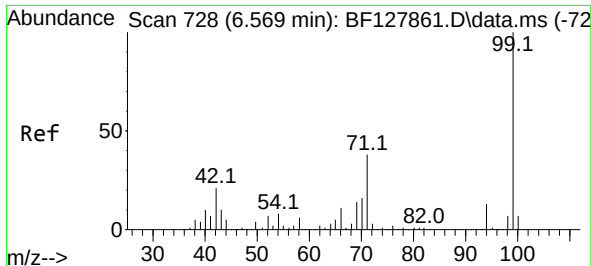
Tgt Ion:152 Resp: 144238
 Ion Ratio Lower Upper
 152 100
 150 159.9 125.3 187.9
 115 64.9 48.8 73.2



#5
 2-Fluorophenol
 Concen: 110.361 ng
 RT: 5.575 min Scan# 559
 Delta R.T. 0.012 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

Tgt Ion:112 Resp: 999399
 Ion Ratio Lower Upper
 112 100
 64 64.3 49.5 74.3
 63 34.5 26.3 39.5

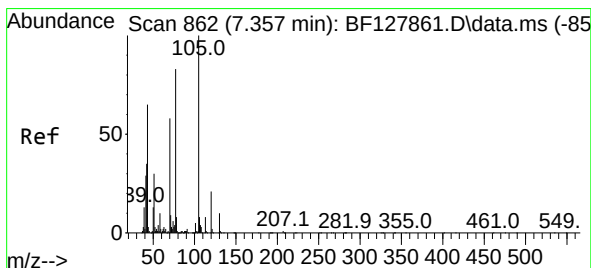
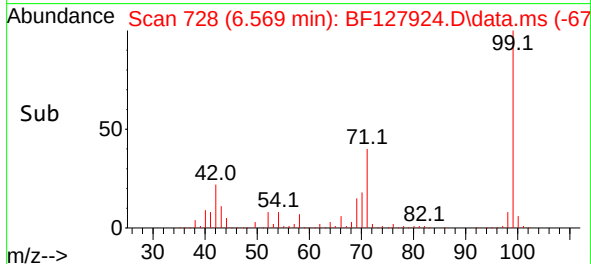
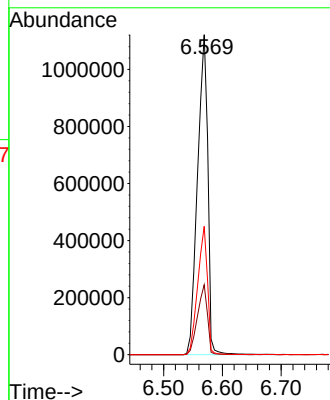
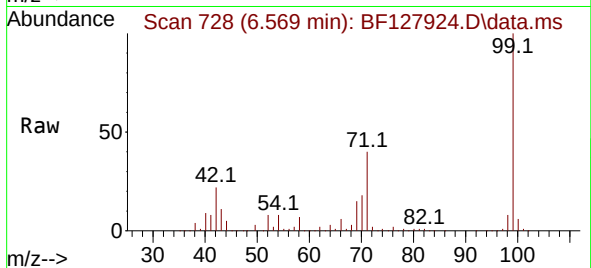




#7
Phenol-d6
Concen: 115.847 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

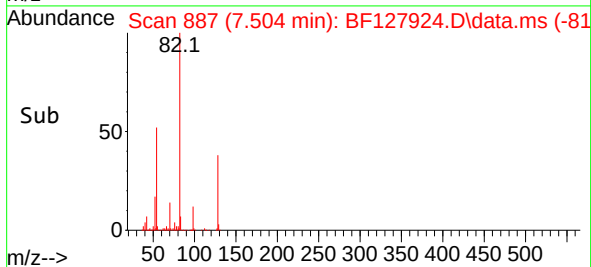
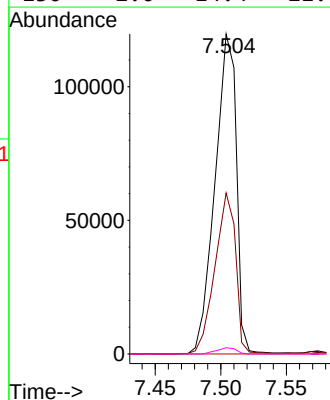
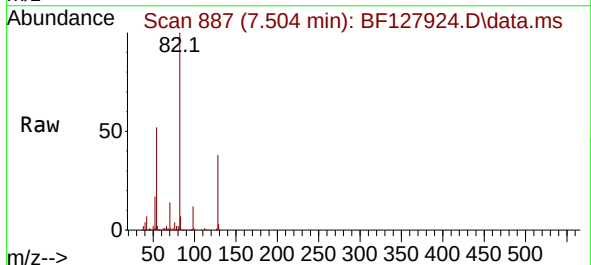
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5

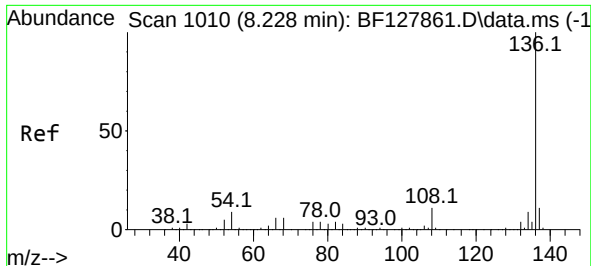
Tgt Ion: 99 Resp: 1361253
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 40.1 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.856 ng
RT: 7.504 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Tgt Ion: 70 Resp: 135628
Ion Ratio Lower Upper
70 100
42 50.3 48.7 73.1
101 0.0 7.2 10.8#
130 2.0 14.4 21.6#



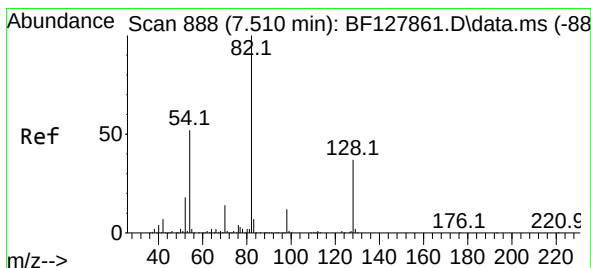
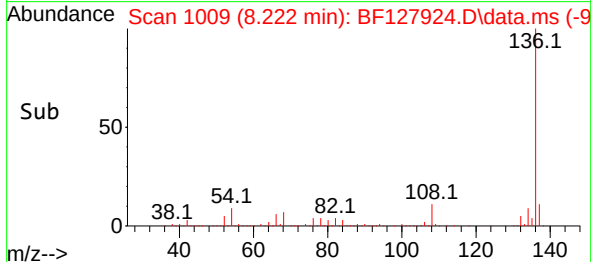
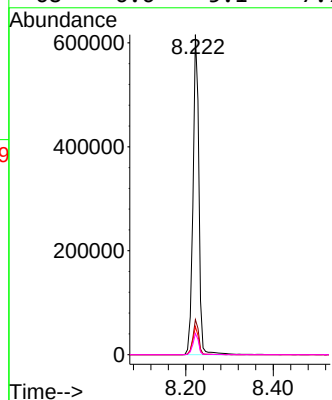
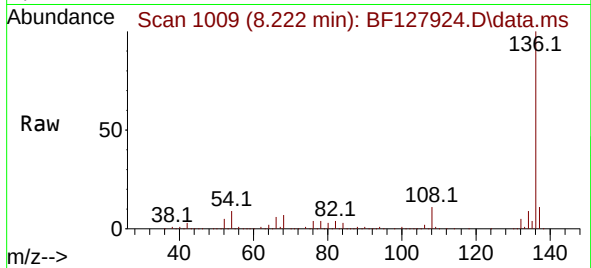


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5

Tgt Ion:136 Resp: 576322

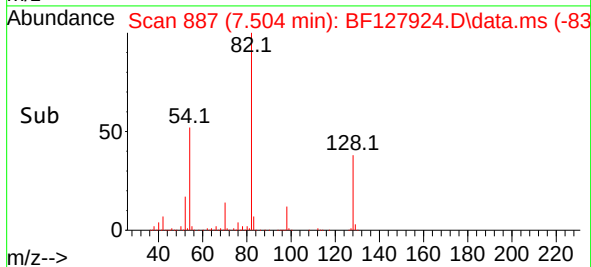
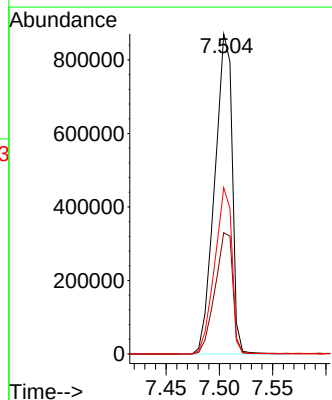
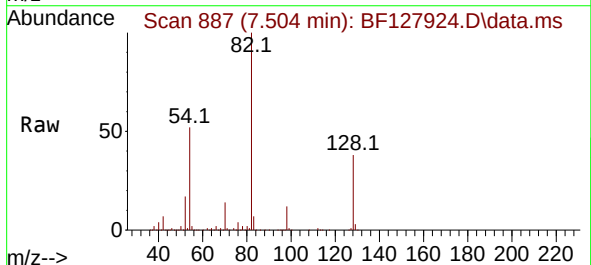
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.7	6.8	10.2
68	6.6	5.1	7.7

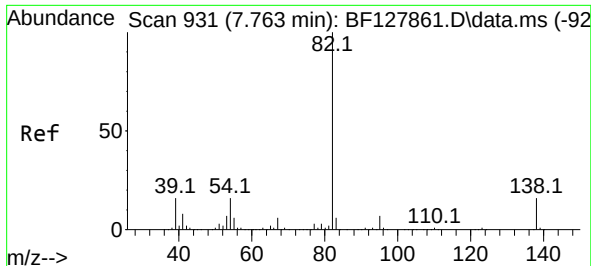


#23
Nitrobenzene-d5
Concen: 81.079 ng
RT: 7.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Tgt Ion: 82 Resp: 993689

Ion	Ratio	Lower	Upper
82	100		
128	37.9	30.0	45.0
54	52.0	41.3	61.9

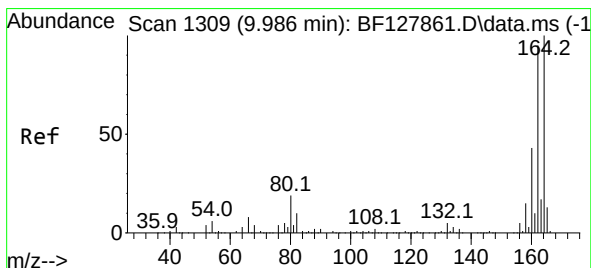
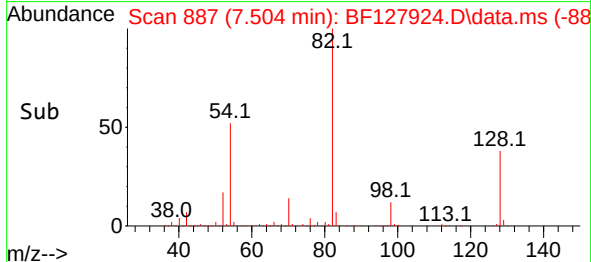
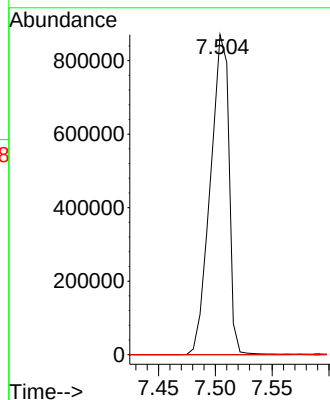
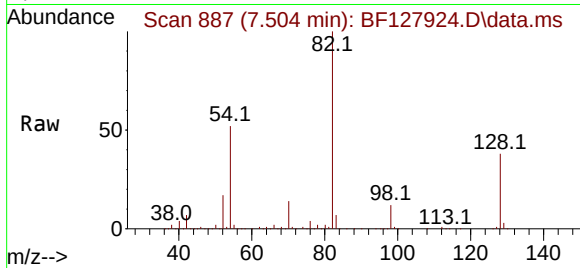




#25
Isophorone
Concen: 48.172 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

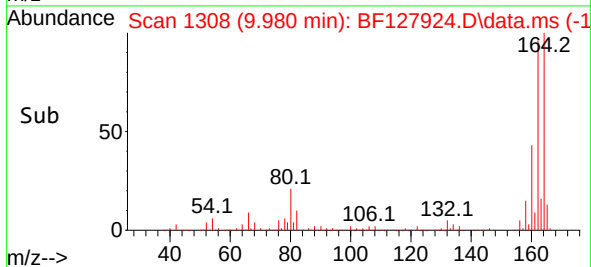
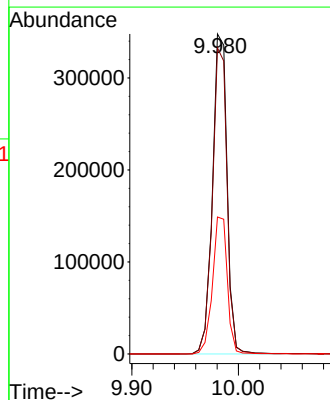
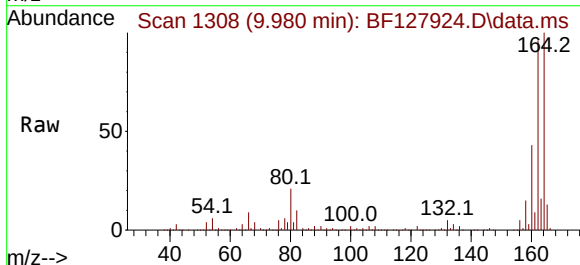
Instrument :
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ClientSampleId :
E14ST-EB4-041922-0-5

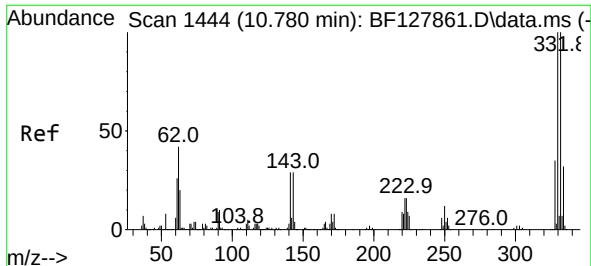
Tgt Ion: 82 Resp: 993677
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Tgt Ion: 164 Resp: 332179
Ion Ratio Lower Upper
164 100
162 95.7 76.0 114.0
160 42.8 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 113.610 ng

RT: 10.780 min Scan# 1444

Delta R.T. -0.000 min

Lab File: BF127924.D

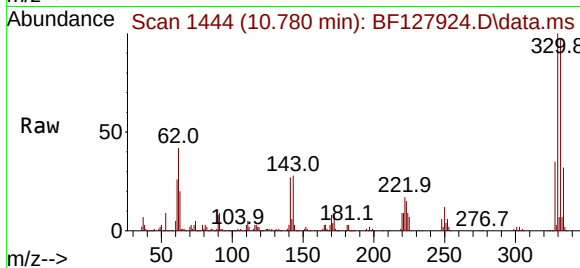
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Instrument :

BNA_F

ClientSampleId :

E14ST-EB4-041922-0-5



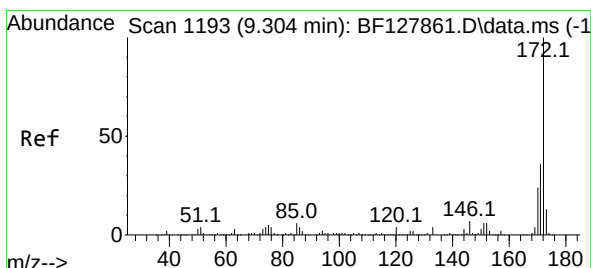
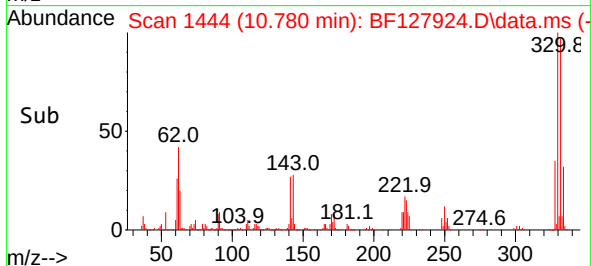
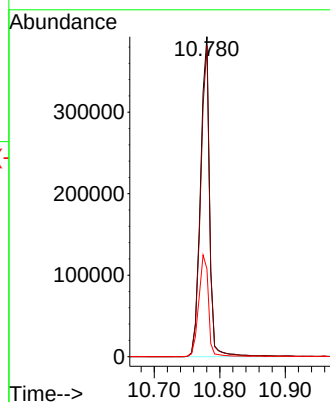
Tgt Ion:330 Resp: 379907

Ion Ratio Lower Upper

330 100

332 96.0 79.0 118.4

141 33.9 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 81.086 ng

RT: 9.304 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF127924.D

Acq: 26 Apr 2022 20:41

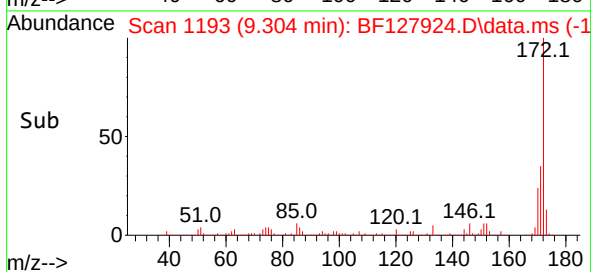
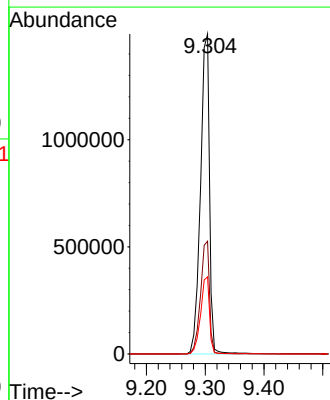
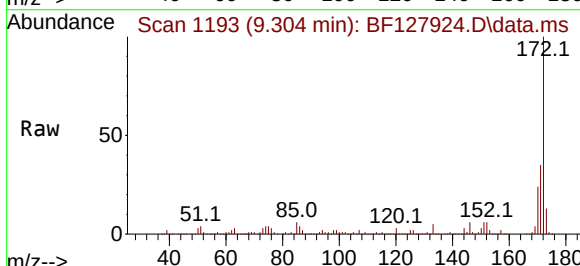
Tgt Ion:172 Resp: 1592154

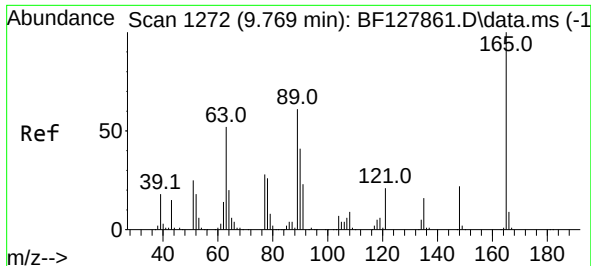
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 24.1 19.1 28.7

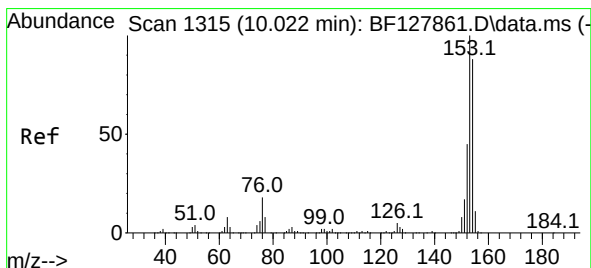
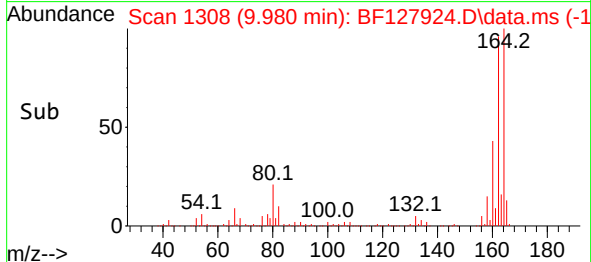
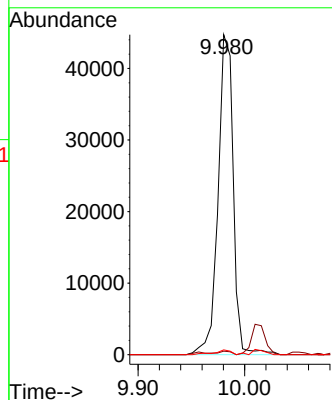
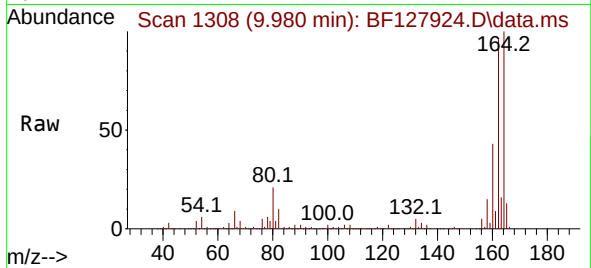




#51
2,6-Dinitrotoluene
Concen: 9.153 ng
RT: 9.980 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

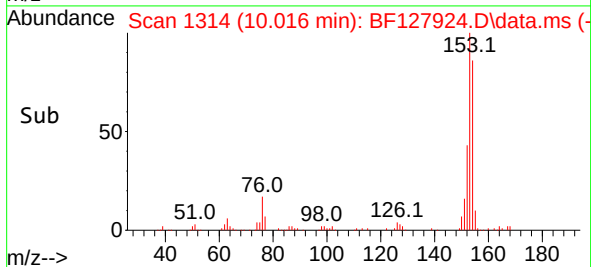
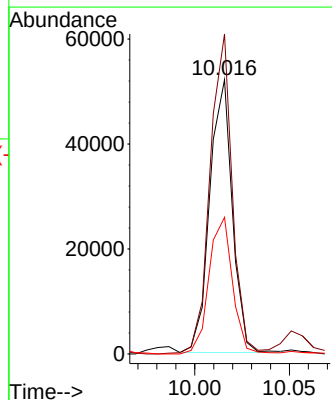
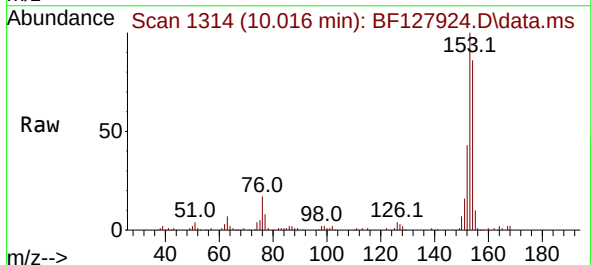
Instrument :
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E14ST-EB4-041922-0-5

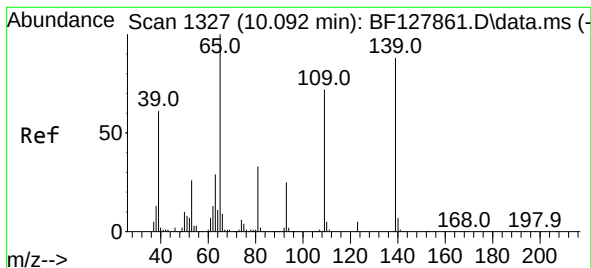
Tgt Ion:165 Resp: 44150
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.5 49.0 73.4#



#52
Acenaphthene
Concen: 2.239 ng
RT: 10.016 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Tgt Ion:154 Resp: 43134
Ion Ratio Lower Upper
154 100
153 116.7 90.5 135.7
152 49.8 41.0 61.6





#56

4-Nitrophenol

Concen: 3.992 ng

RT: 10.186 min Scan# 11

Delta R.T. 0.094 min

Lab File: BF127924.D

Acq: 26 Apr 2022 20:41

Instrument :

BNA_F

ClientSampleId :

E14ST-EB4-041922-0-5

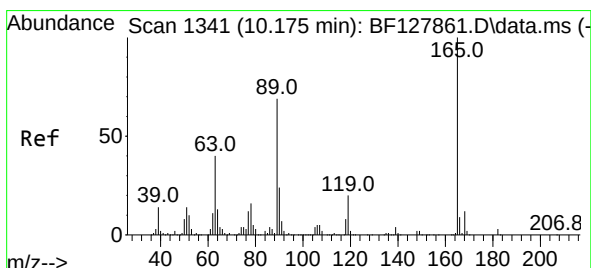
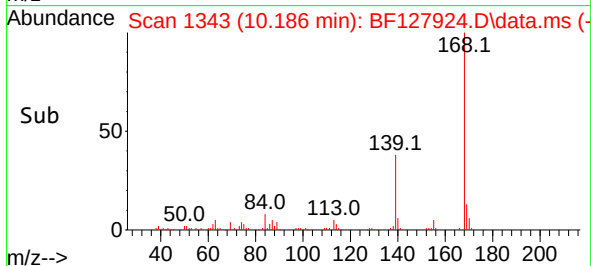
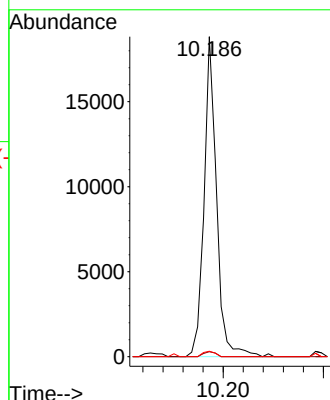
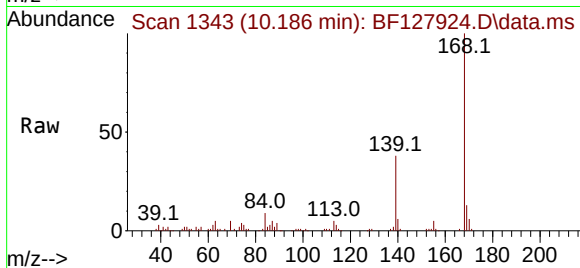
Tgt Ion:139 Resp: 16326

Ion Ratio Lower Upper

139 100

109 1.6 61.9 101.9#

65 1.7 93.5 133.5#



#57

2,4-Dinitrotoluene

Concen: 6.910 ng

RT: 9.980 min Scan# 1308

Delta R.T. -0.194 min

Lab File: BF127924.D

Acq: 26 Apr 2022 20:41

Tgt Ion:165 Resp: 44151

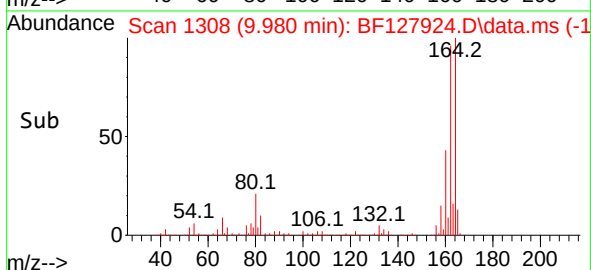
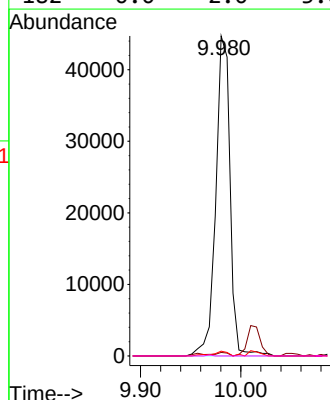
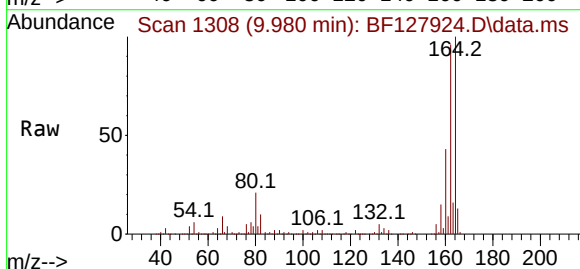
Ion Ratio Lower Upper

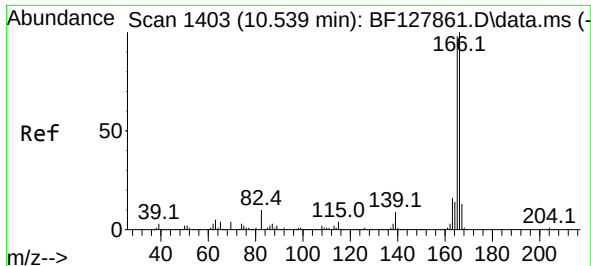
165 100

63 1.1 32.6 49.0#

89 1.5 55.2 82.8#

182 0.0 2.0 3.0#

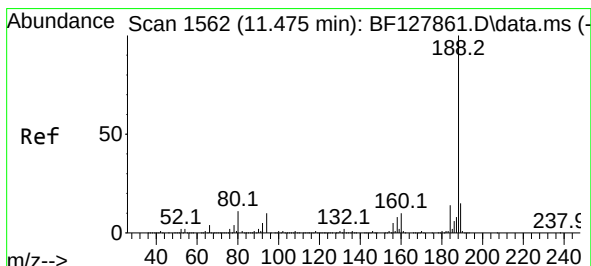
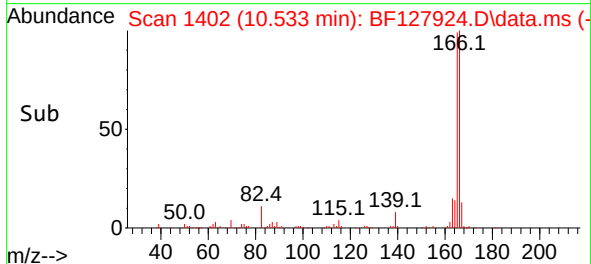
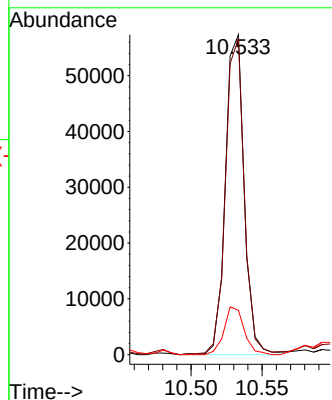
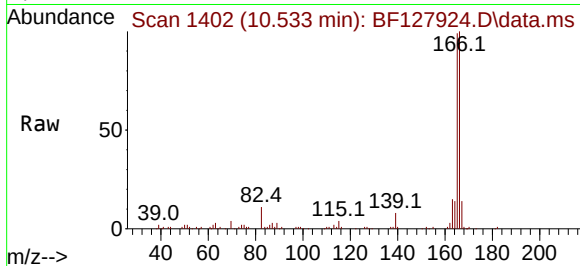




#58
Fluorene
Concen: 2.541 ng
RT: 10.533 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

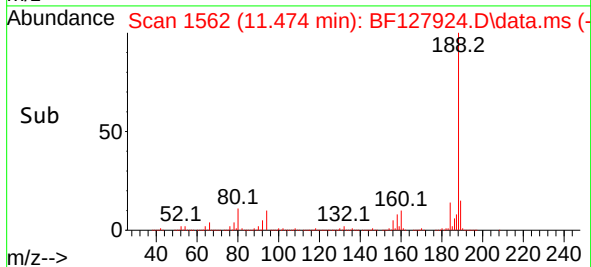
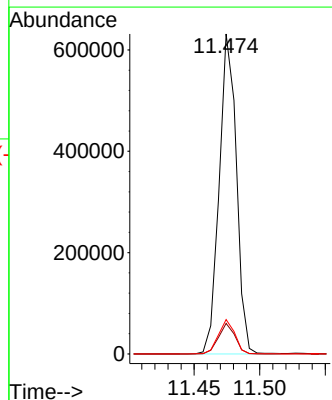
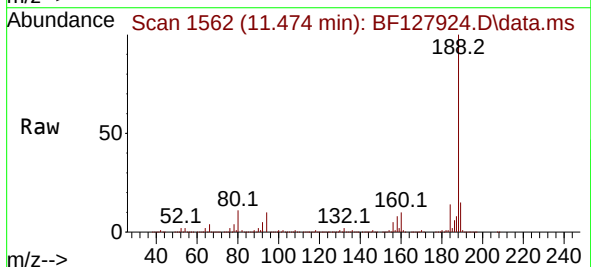
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5

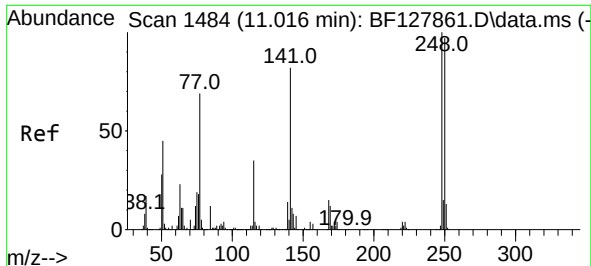
Tgt Ion:166 Resp: 52705
Ion Ratio Lower Upper
166 100
165 98.7 78.6 117.8
167 13.9 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Tgt Ion:188 Resp: 575602
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.7 8.9 13.3

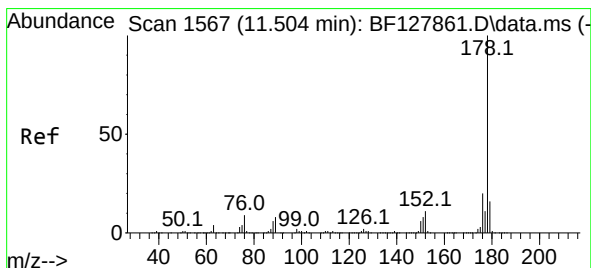
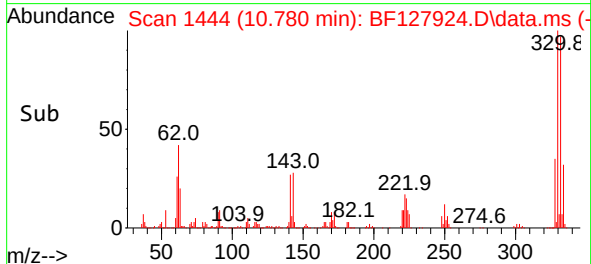
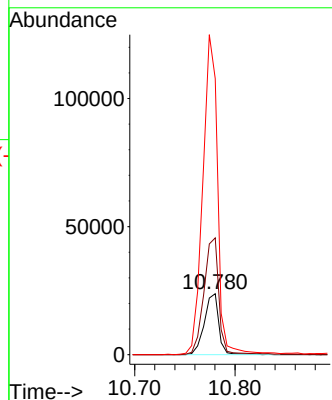
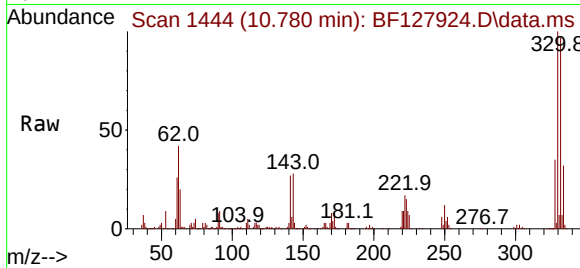




#67
4-Bromophenyl-phenylether
Concen: 3.748 ng
RT: 10.780 min Scan# 1484
Delta R.T. -0.235 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

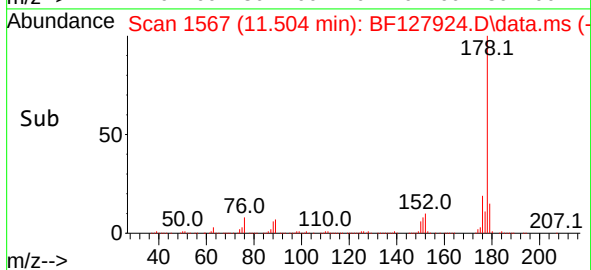
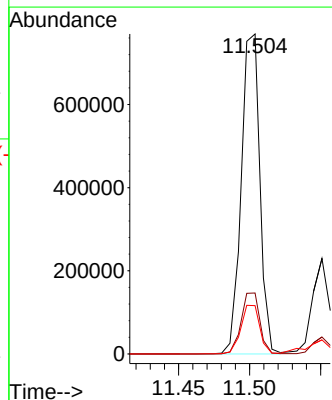
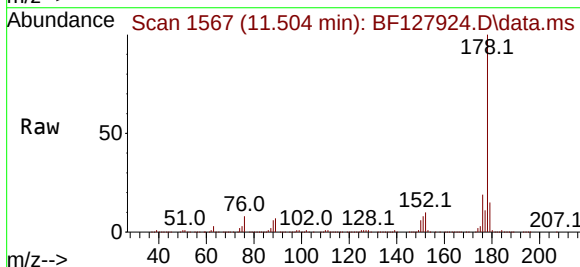
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5

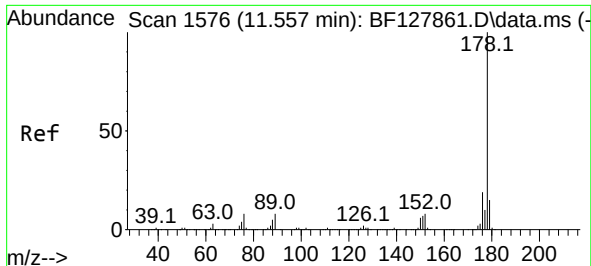
Tgt Ion:248 Resp: 23917
Ion Ratio Lower Upper
248 100
250 191.8 77.7 116.5#
141 453.3 65.6 98.4#



#71
Phenanthrene
Concen: 23.363 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Tgt Ion:178 Resp: 703923
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.1 12.6 19.0

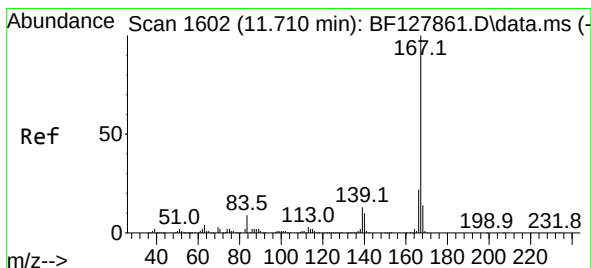
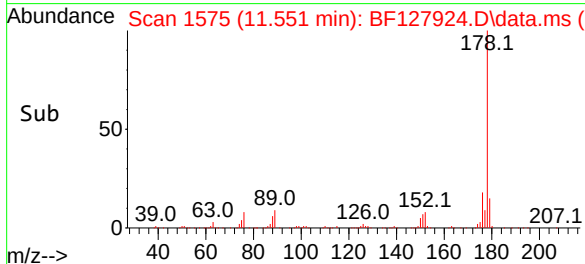
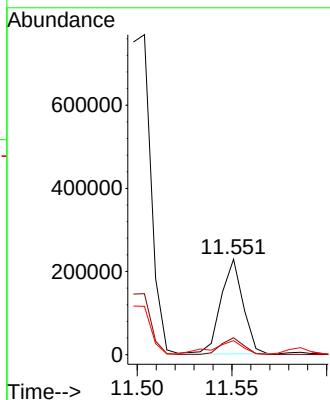
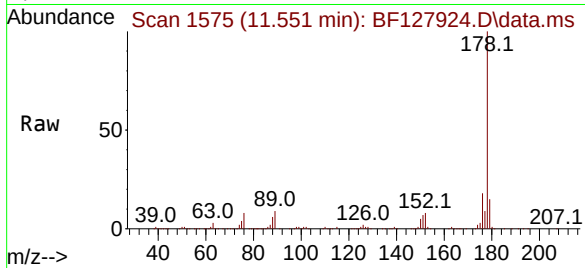




#72
 Anthracene
 Concen: 6.196 ng
 RT: 11.551 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

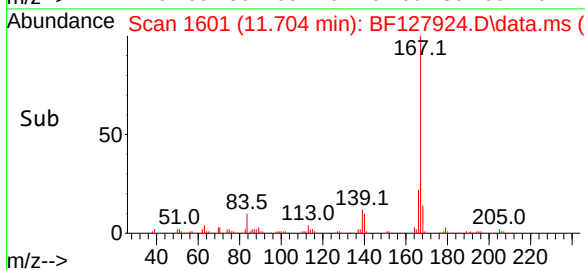
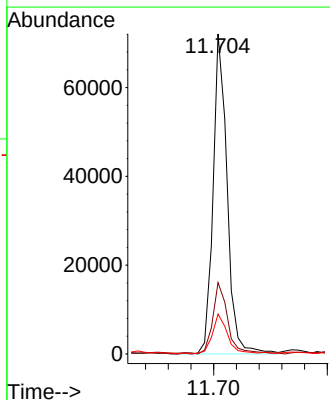
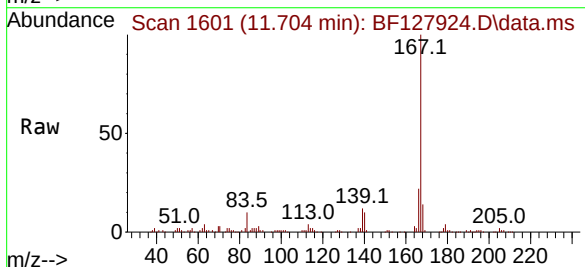
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5

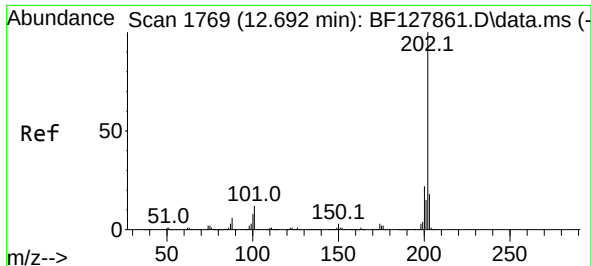
Tgt Ion:178 Resp: 185956
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.6
 179 14.8 12.4 18.6



#73
 Carbazole
 Concen: 2.138 ng
 RT: 11.704 min Scan# 1601
 Delta R.T. -0.006 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

Tgt Ion:167 Resp: 61856
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.6 26.4
 139 12.4 10.7 16.1

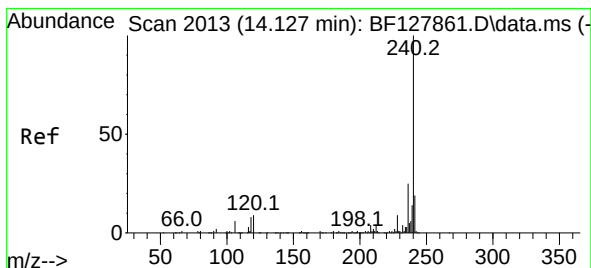
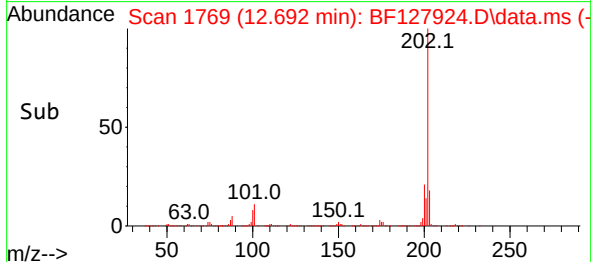
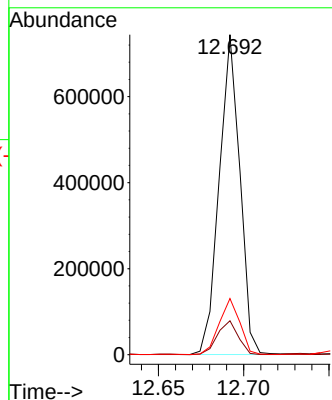
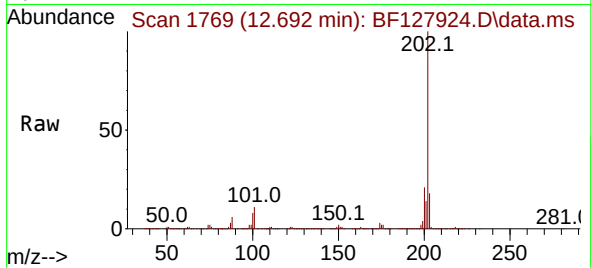




#75
Fluoranthene
Concen: 19.739 ng
RT: 12.692 min Scan# 1769
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

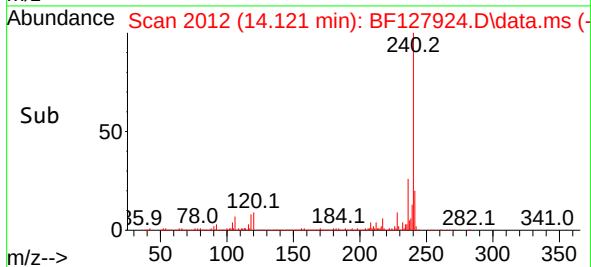
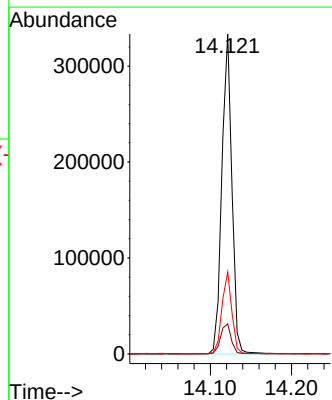
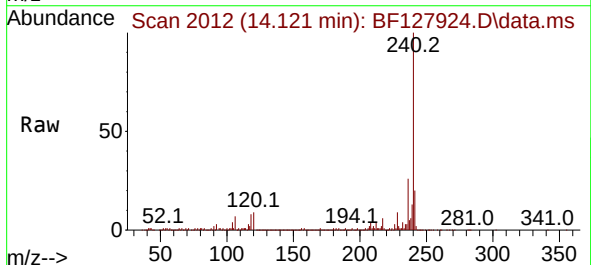
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5

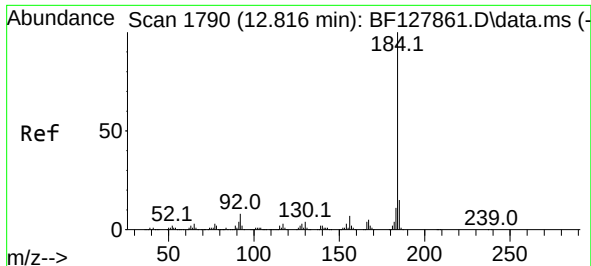
Tgt Ion:202 Resp: 625944
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.6
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Tgt Ion:240 Resp: 288365
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 25.7 20.3 30.5

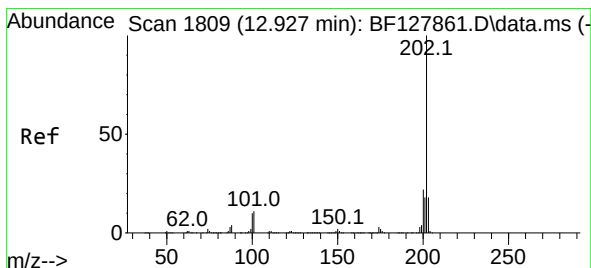
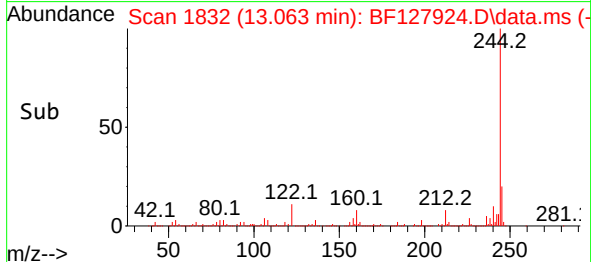
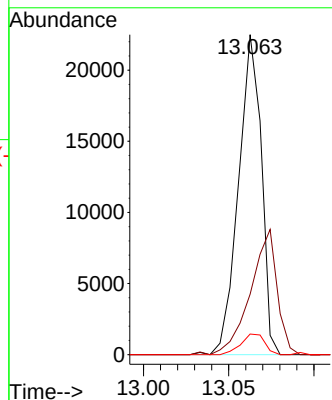
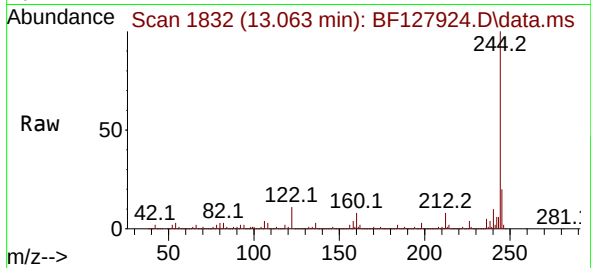




#77
Benzidine
Concen: 3.843 ng
RT: 13.063 min Scan# 1832
Delta R.T. 0.247 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

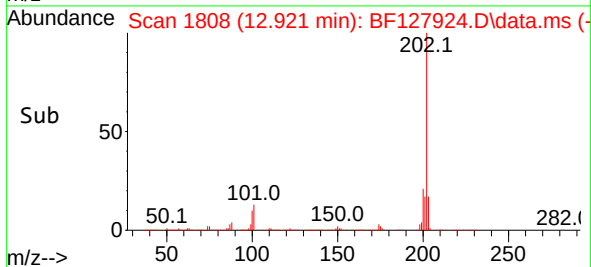
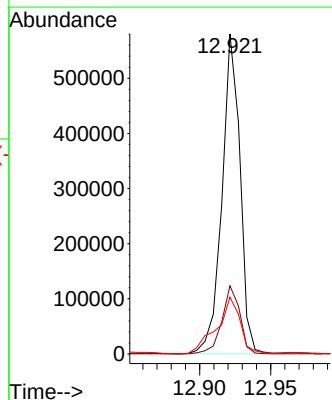
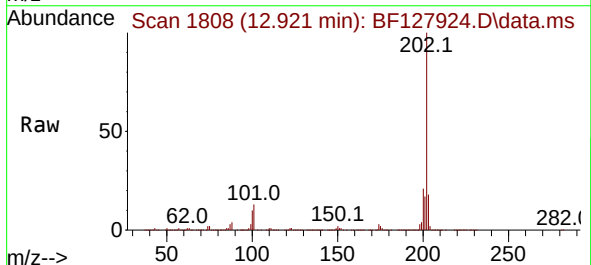
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5

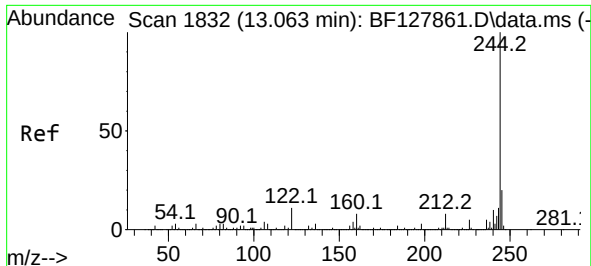
Tgt Ion:184 Resp: 20966
Ion Ratio Lower Upper
184 100
185 18.9 12.1 18.1#
183 6.5 9.0 13.4#



#78
Pyrene
Concen: 21.965 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Tgt Ion:202 Resp: 511297
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.8 14.0 21.0

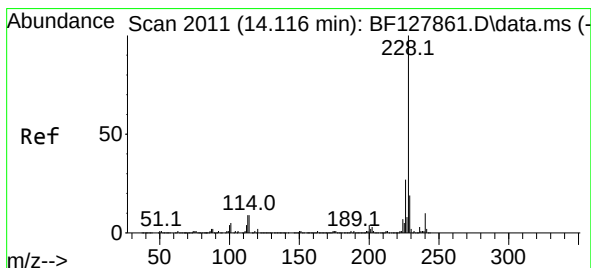
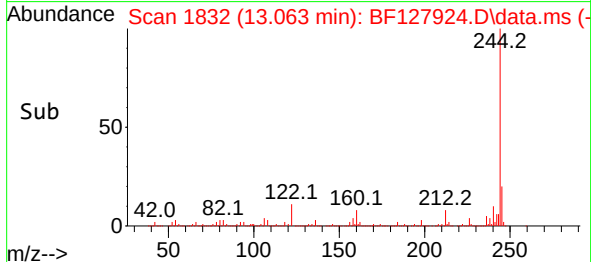
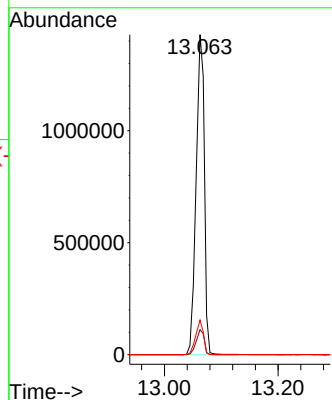
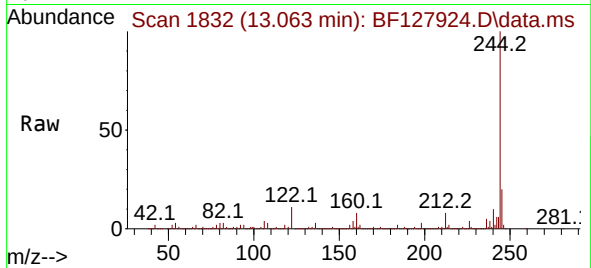




#79
 Terphenyl-d14
 Concen: 91.975 ng
 RT: 13.063 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

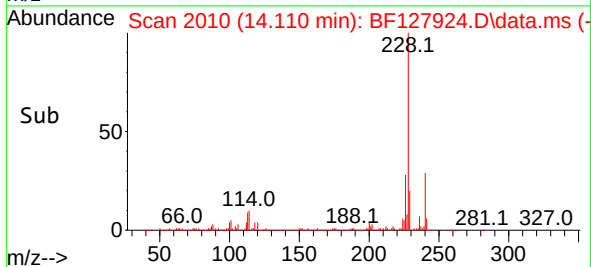
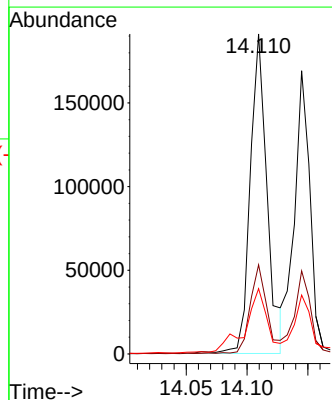
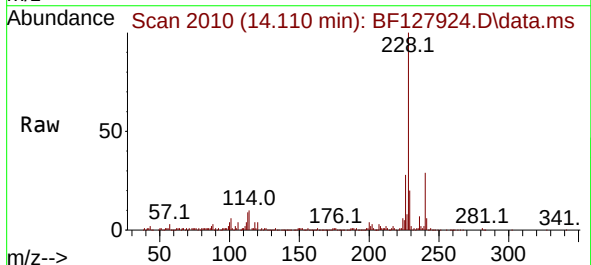
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5

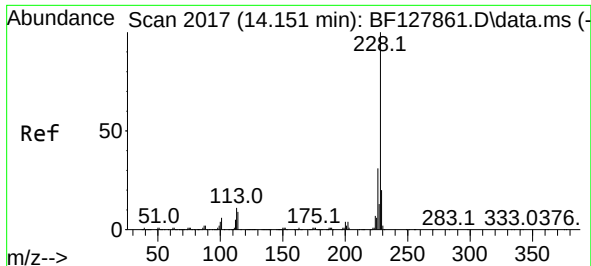
Tgt Ion:244 Resp: 1450452
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.4
 122 10.8 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 9.564 ng
 RT: 14.110 min Scan# 2010
 Delta R.T. -0.006 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

Tgt Ion:228 Resp: 183816
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.7 32.5
 229 20.4 15.4 23.2

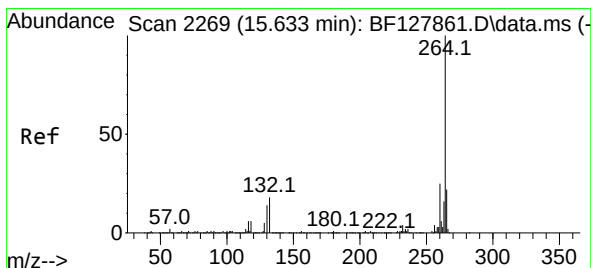
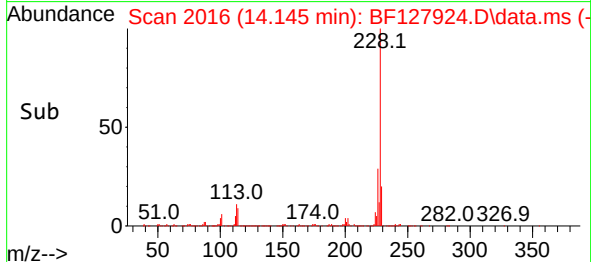
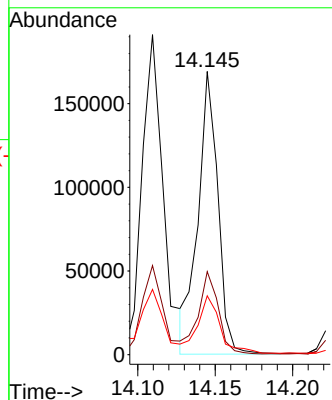
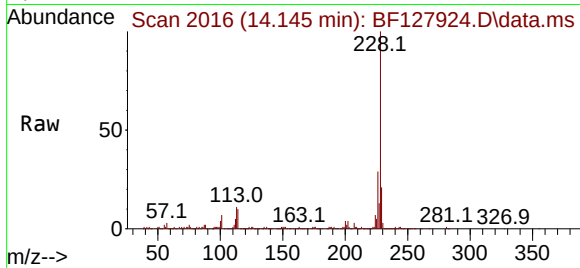




#83
Chrysene
Concen: 8.220 ng
RT: 14.145 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

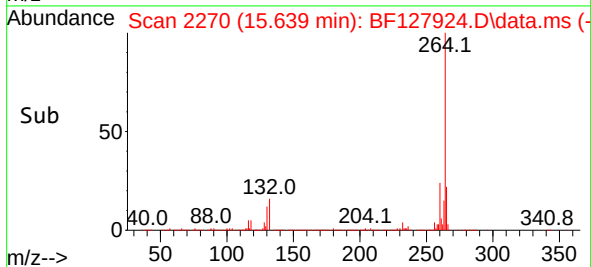
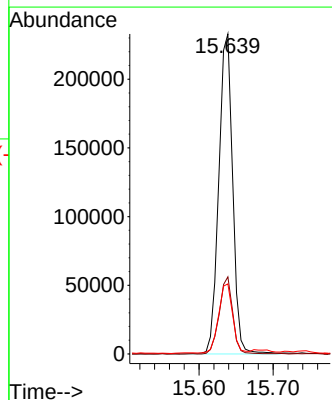
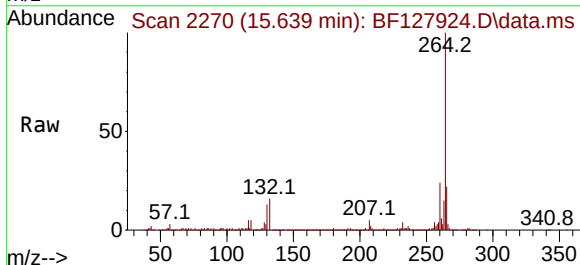
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5

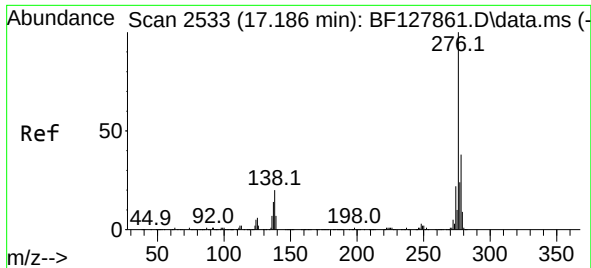
Tgt Ion:228 Resp: 150888
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 20.8 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

Tgt Ion:264 Resp: 303676
Ion Ratio Lower Upper
264 100
260 24.1 20.1 30.1
265 21.9 17.5 26.3

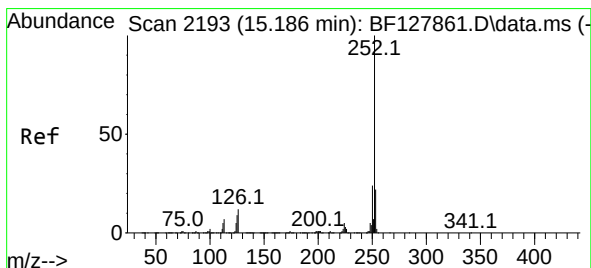
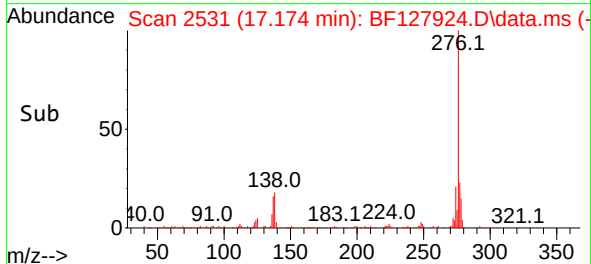
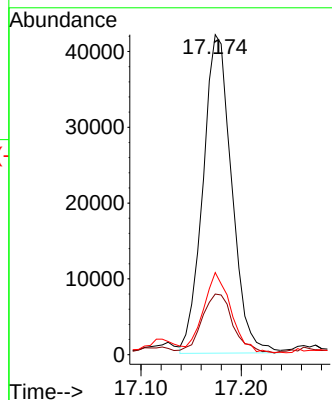
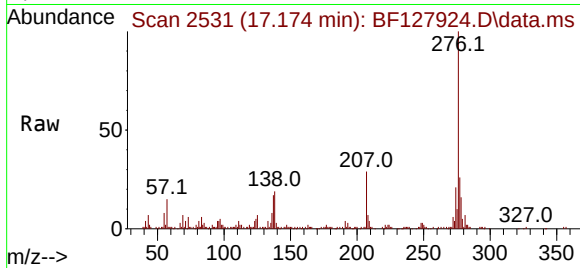




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.135 ng
 RT: 17.174 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

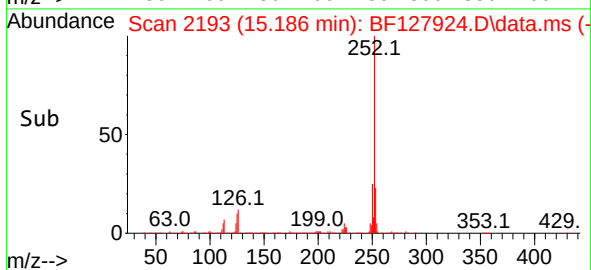
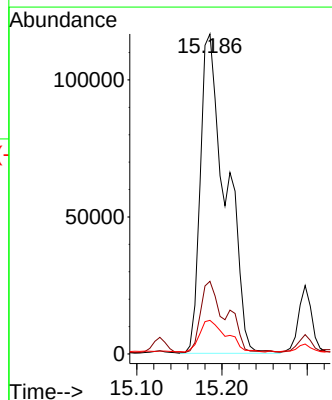
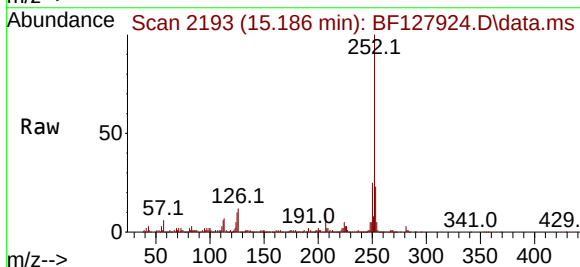
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5

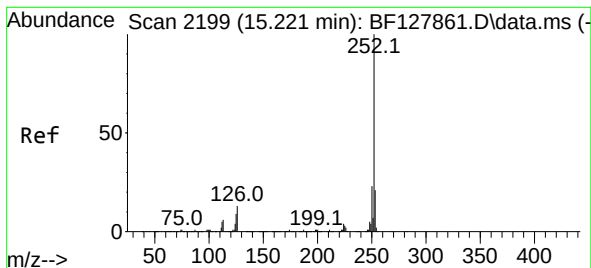
Tgt Ion:276 Resp: 83824
 Ion Ratio Lower Upper
 276 100
 138 20.1 19.0 28.4
 277 23.9 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 12.821 ng
 RT: 15.186 min Scan# 2193
 Delta R.T. -0.000 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

Tgt Ion:252 Resp: 244543
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.2
 125 10.5 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 12.726 ng

RT: 15.186 min Scan# 2199

Delta R.T. -0.035 min

Lab File: BF127924.D

Acq: 26 Apr 2022 20:41

Instrument :

BNA_F

ClientSampleId :

E14ST-EB4-041922-0-5

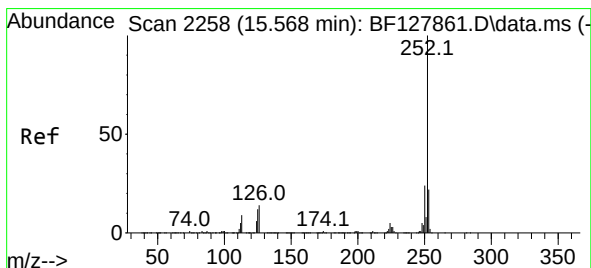
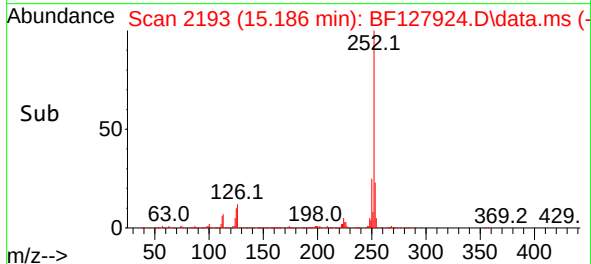
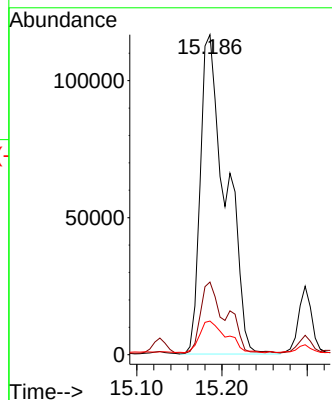
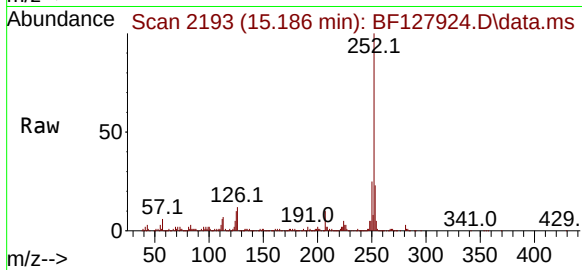
Tgt Ion:252 Resp: 244543

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

125 10.5 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 9.077 ng

RT: 15.568 min Scan# 2258

Delta R.T. -0.000 min

Lab File: BF127924.D

Acq: 26 Apr 2022 20:41

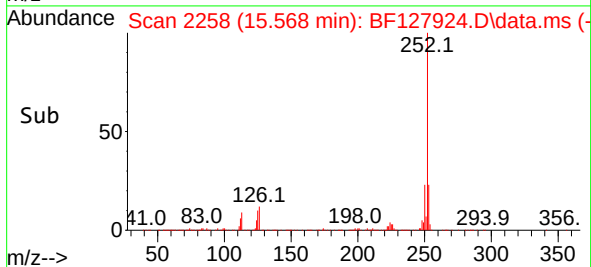
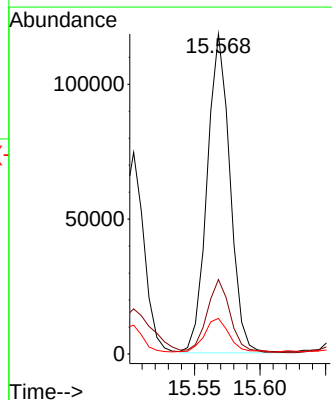
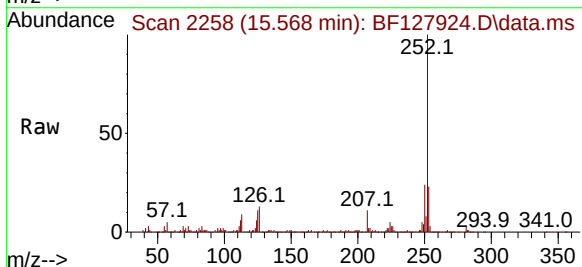
Tgt Ion:252 Resp: 143610

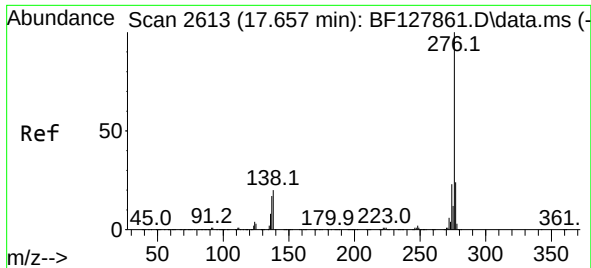
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

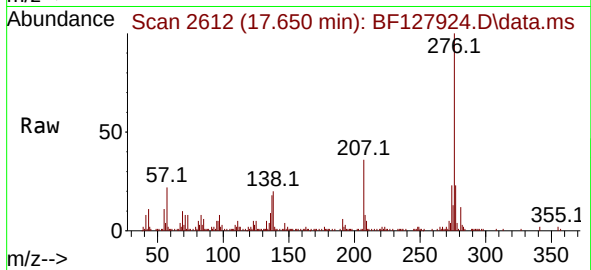
125 11.1 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.327 ng
 RT: 17.650 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5



Tgt Ion:	276	Resp:	74137
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.8	28.2
138	20.3	16.2	24.2

