

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130326.D
 Acq On : 19 Sep 2022 18:08
 Operator : CG\JU
 Sample : N4665-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1DL

Quant Time: Sep 20 02:26:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

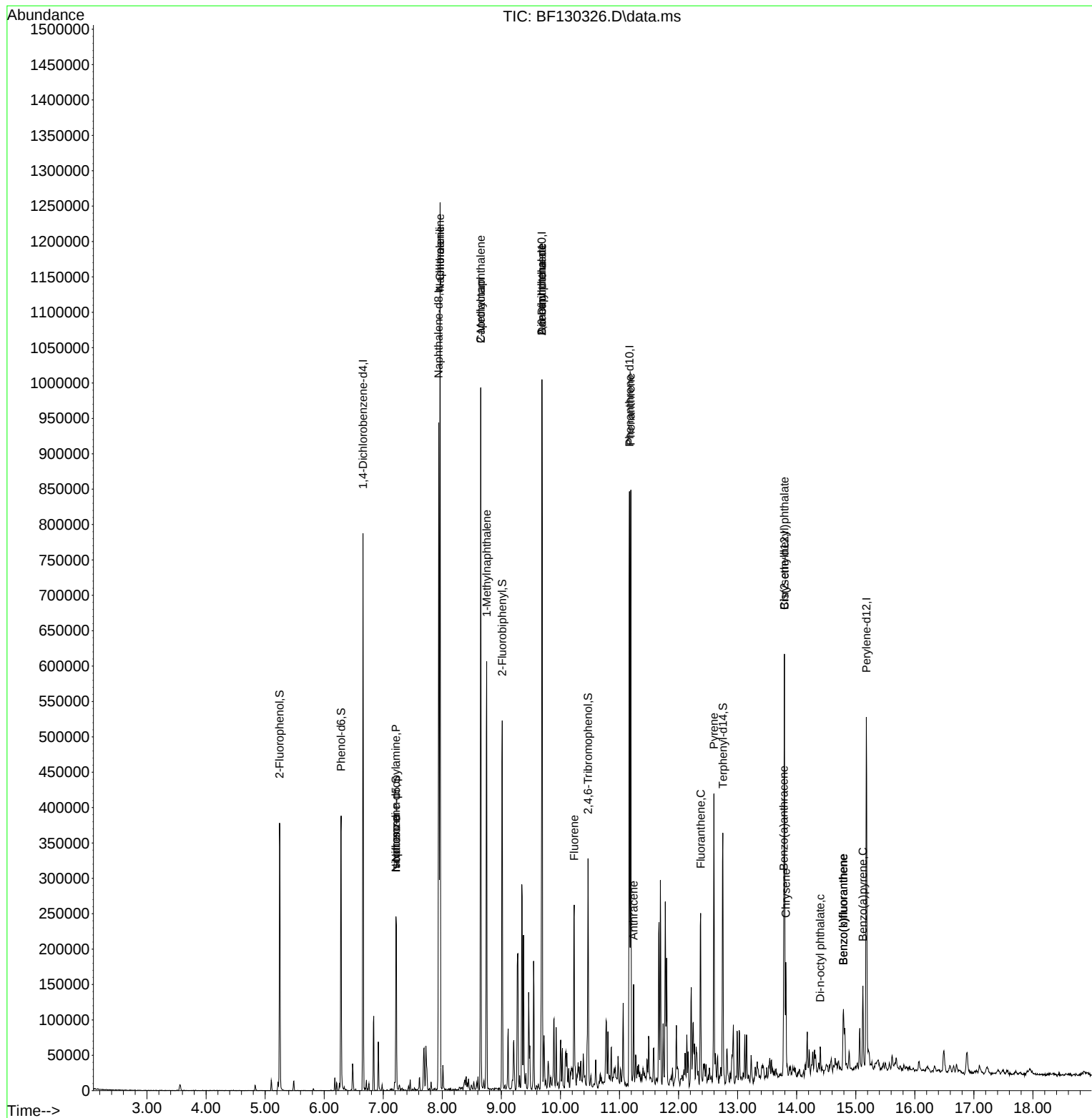
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	100963	20.000	ng	0.00
21) Naphthalene-d8	7.939	136	390312	20.000	ng	0.00
39) Acenaphthene-d10	9.686	164	194471	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	285782	20.000	ng	0.00
76) Chrysene-d12	13.792	240	151989	20.000	ng	-0.01
86) Perylene-d12	15.180	264	205215	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	100935	17.340	ng	-0.01
7) Phenol-d6	6.287	99	124433	17.084	ng	-0.01
23) Nitrobenzene-d5	7.216	82	76540	10.018	ng	-0.02
42) 2,4,6-Tribromophenol	10.469	330	27828	14.934	ng	-0.01
45) 2-Fluorobiphenyl	9.016	172	148960	11.154	ng	0.00
79) Terphenyl-d14	12.751	244	111118	12.110	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.216	70	10096	2.054	ng	# 77
25) Isophorone	7.216	82	76538	6.216	ng	# 66
31) Naphthalene	7.963	128	474188	23.582	ng	99
33) 4-Chloroaniline	7.963	127	62438	8.164	ng	# 34
35) Caprolactam	8.651	113	5596	3.638	ng	# 1
37) 2-Methylnaphthalene	8.651	142	222968	17.391	ng	99
38) 1-Methylnaphthalene	8.751	142	146038	11.857	ng	99
50) Dimethylphthalate	9.686	163	37169	2.767	ng	# 1
51) 2,6-Dinitrotoluene	9.686	165	29630	10.547	ng	# 16
58) Fluorene	10.233	166	64089	4.868	ng	99
71) Phenanthrene	11.192	178	283416	17.664	ng	99
72) Anthracene	11.239	178	45201	2.919	ng	98
75) Fluoranthene	12.374	202	90735	5.852	ng	97
78) Pyrene	12.598	202	148599	11.176	ng	99
81) Benzo(a)anthracene	13.780	228	61109	6.044	ng	94
83) Chrysene	13.816	228	58762	6.121	ng	98
84) Bis(2-ethylhexyl)phtha...	13.792	149	13776	2.442	ng	97
85) Di-n-octyl phthalate	14.398	149	18552	2.150	ng	# 98
88) Benzo(b)fluoranthene	14.792	252	66100	4.935	ng	97
89) Benzo(k)fluoranthene	14.792	252	66100	5.017	ng	96
90) Benzo(a)pyrene	15.121	252	47848	4.509	ng	96

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

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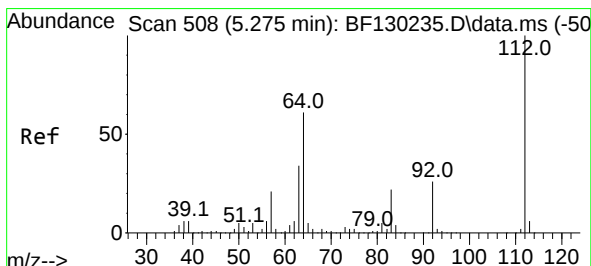
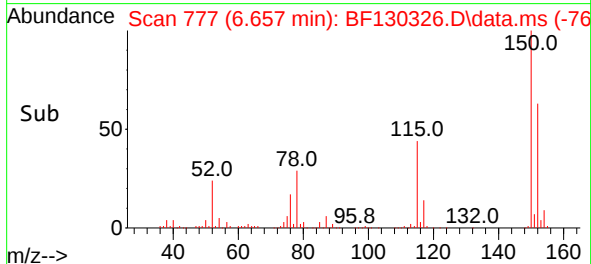
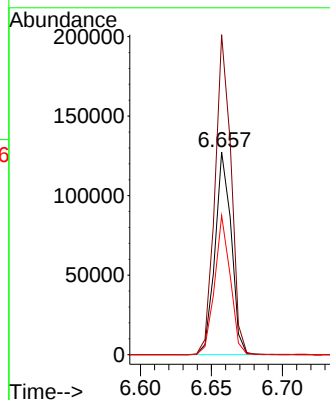
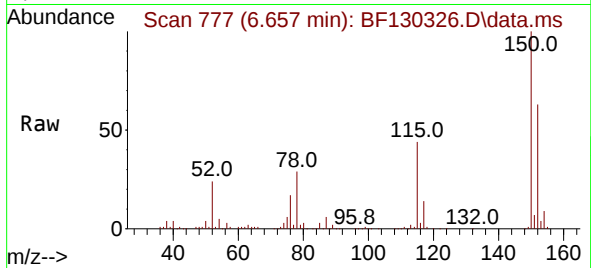




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

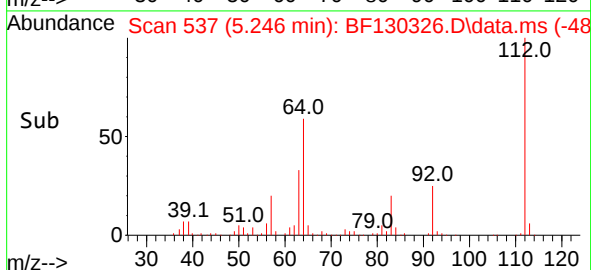
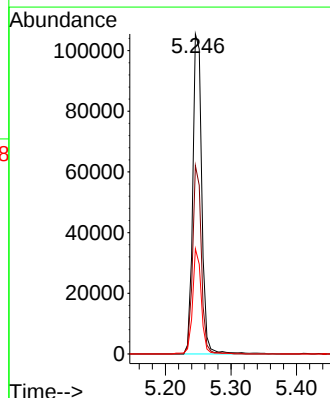
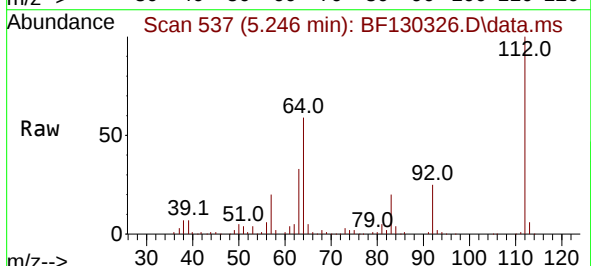
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

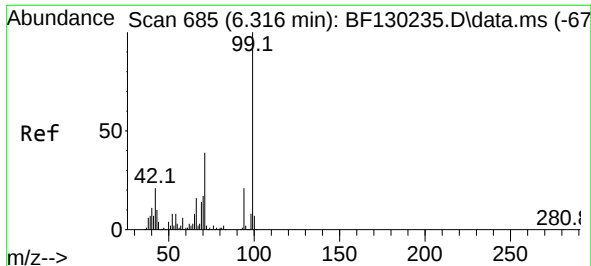
Tgt Ion:152 Resp: 100963
Ion Ratio Lower Upper
152 100
150 157.8 122.8 184.2
115 68.7 53.8 80.8



#5
2-Fluorophenol
Concen: 17.340 ng
RT: 5.246 min Scan# 537
Delta R.T. -0.012 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:112 Resp: 100935
Ion Ratio Lower Upper
112 100
64 58.8 51.4 77.0
63 32.8 28.8 43.2

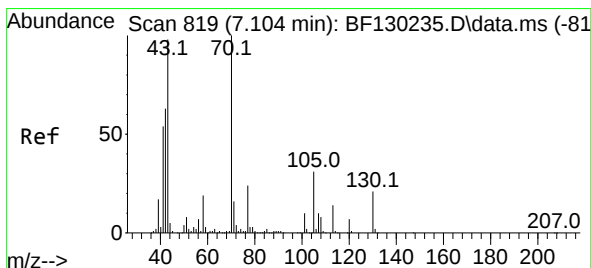
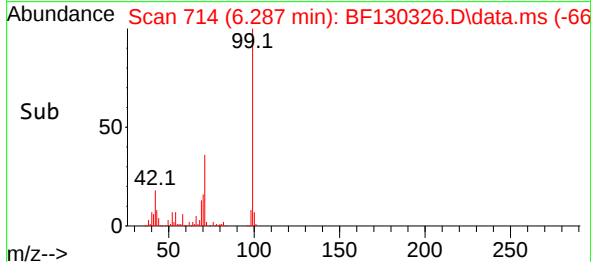
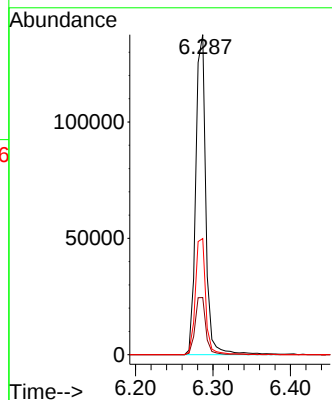
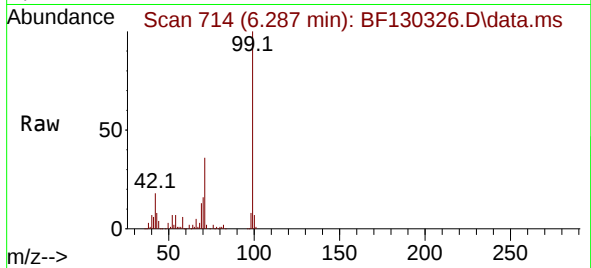




#7
Phenol-d6
Concen: 17.084 ng
RT: 6.287 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

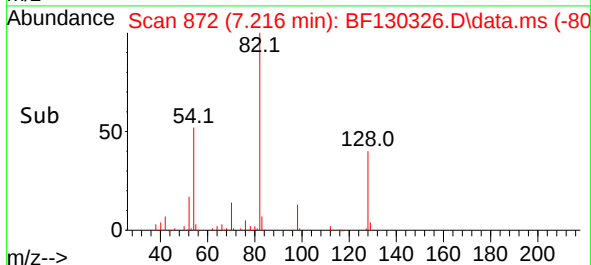
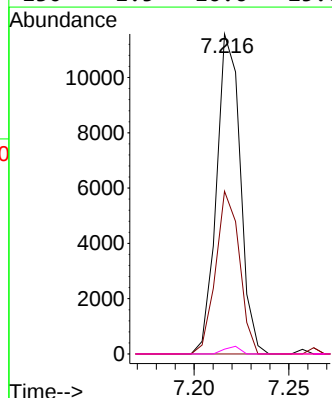
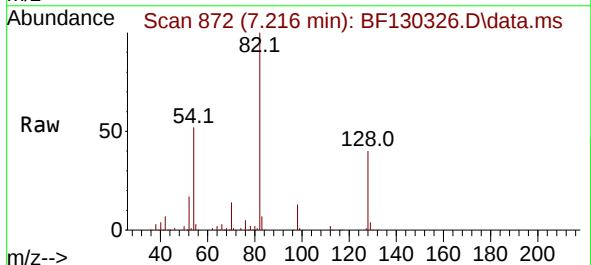
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

Tgt Ion: 99 Resp: 124433
Ion Ratio Lower Upper
99 100
42 17.9 17.0 25.6
71 36.3 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.054 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.124 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion: 70 Resp: 10096
Ion Ratio Lower Upper
70 100
42 50.9 50.8 76.2
101 0.0 8.2 12.4#
130 1.5 16.6 25.0#



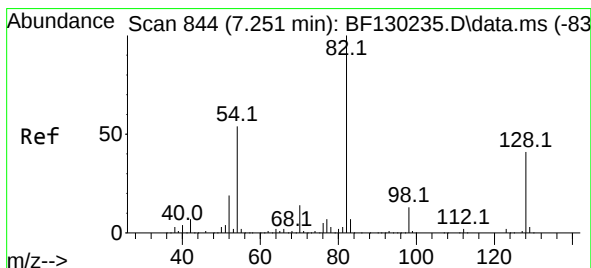
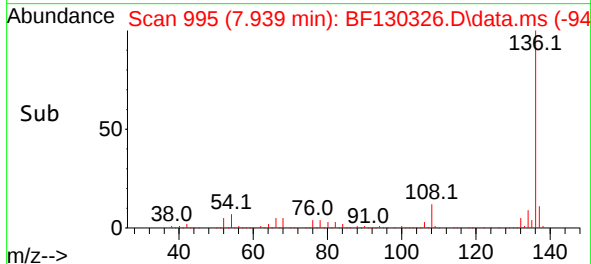
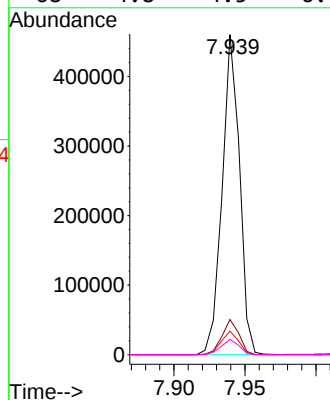
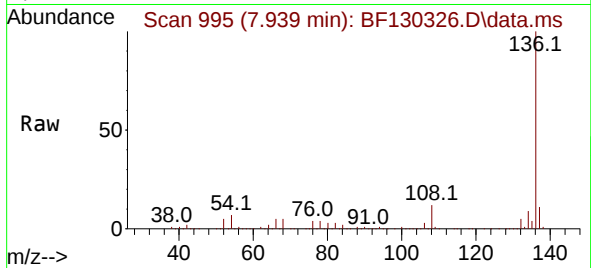


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Instrument :
BNA_F
ClientSampleId :
COMP-1DL

Tgt Ion:136 Resp: 390312

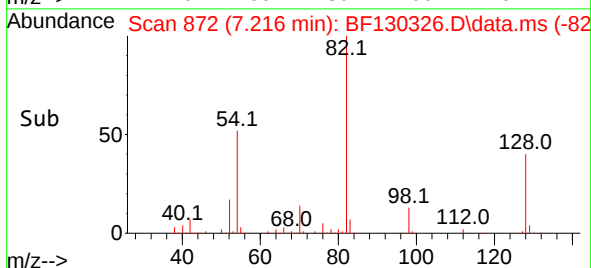
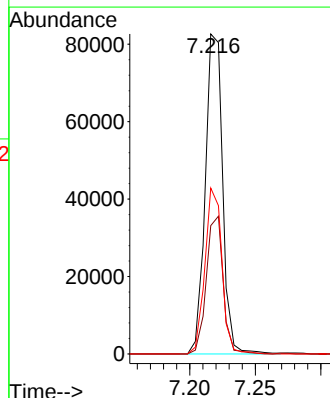
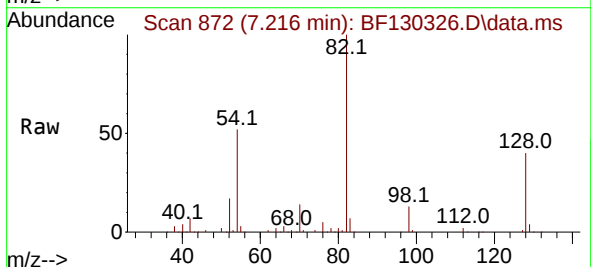
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.4	7.1	10.7
68	4.8	4.5	6.7



#23
Nitrobenzene-d5
Concen: 10.018 ng
RT: 7.216 min Scan# 872
Delta R.T. -0.018 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion: 82 Resp: 76540

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.6	49.0
54	51.8	43.8	65.6

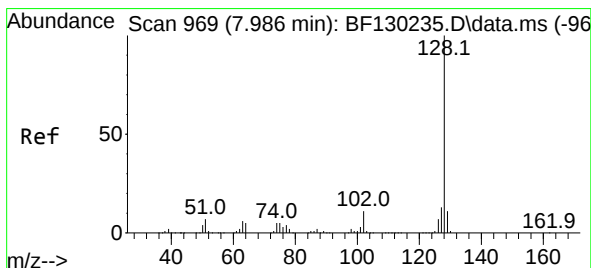
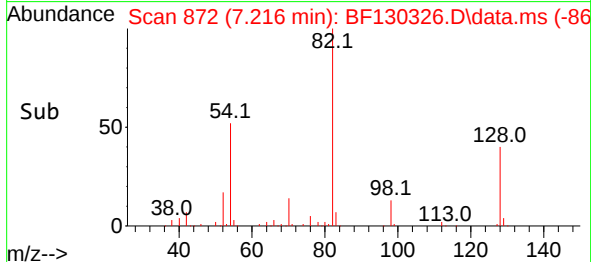
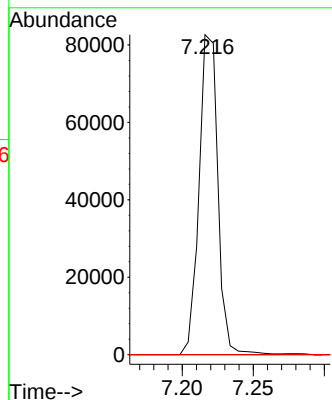
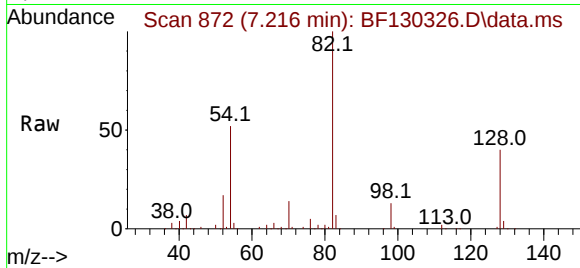




#25
Isophorone
Concen: 6.216 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

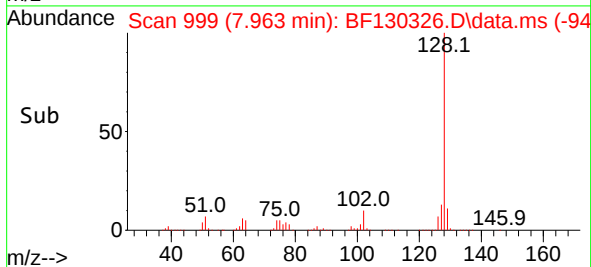
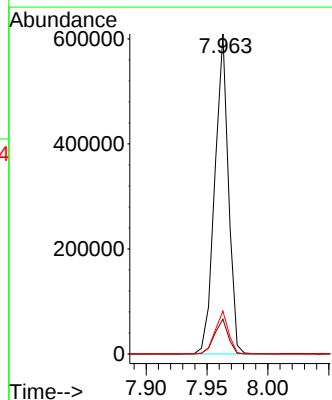
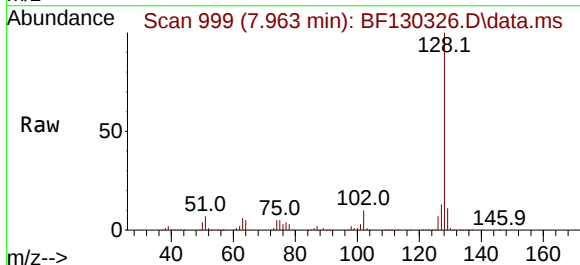
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

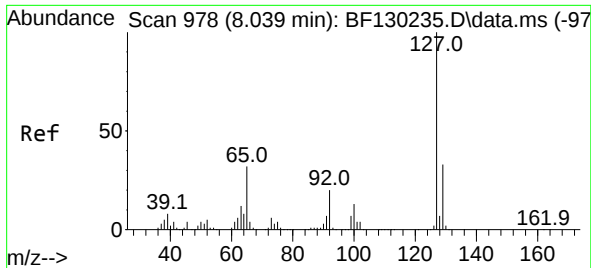
Tgt Ion: 82 Resp: 76538
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#31
Naphthalene
Concen: 23.582 ng
RT: 7.963 min Scan# 999
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion: 128 Resp: 474188
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.4 10.6 16.0

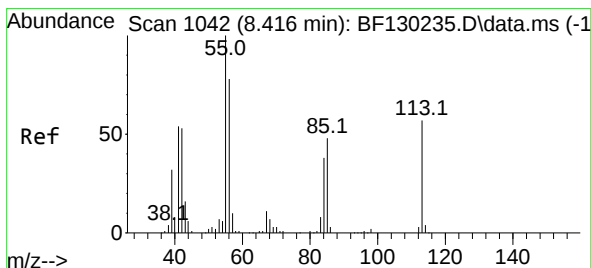
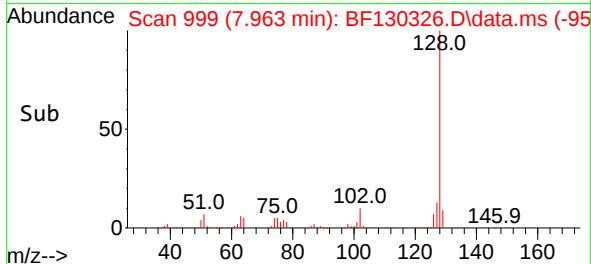
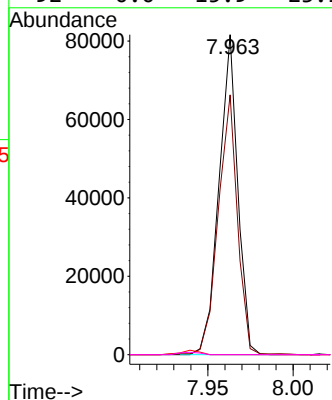
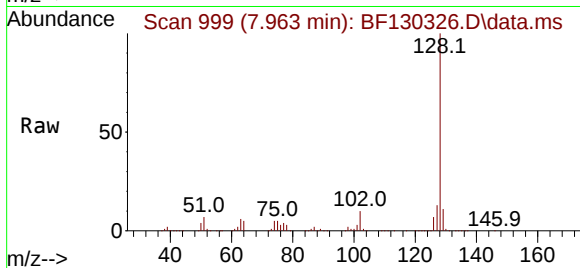




#33
4-Chloroaniline
Concen: 8.164 ng
RT: 7.963 min Scan# 91
Delta R.T. -0.059 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

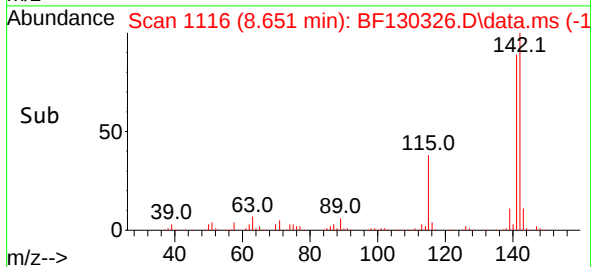
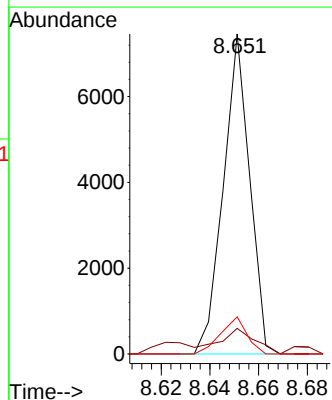
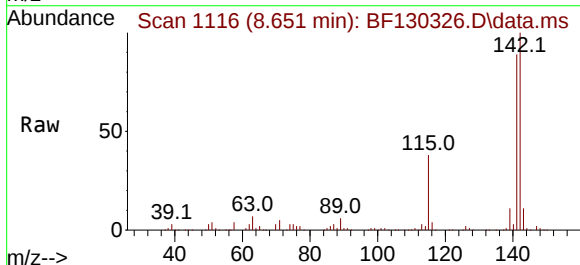
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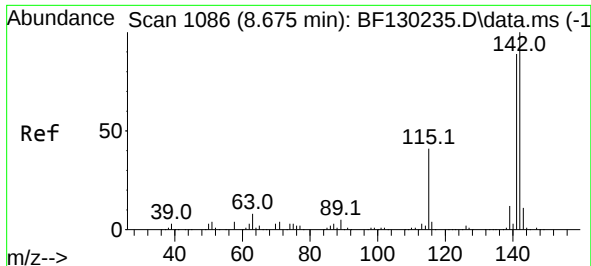
Tgt Ion:	127	Resp:	62438
Ion Ratio	Lower	Upper	
127	100		
129	81.2	25.6	38.4#
65	0.0	27.0	40.6#
92	0.0	15.9	23.9#



#35
Caprolactam
Concen: 3.638 ng
RT: 8.651 min Scan# 1116
Delta R.T. 0.247 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:	113	Resp:	5596
Ion Ratio	Lower	Upper	
113	100		
55	8.0	155.4	195.4#
56	11.6	120.4	160.4#

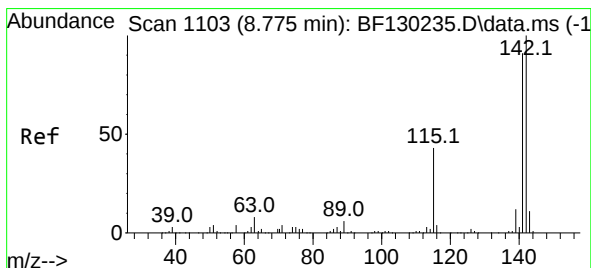
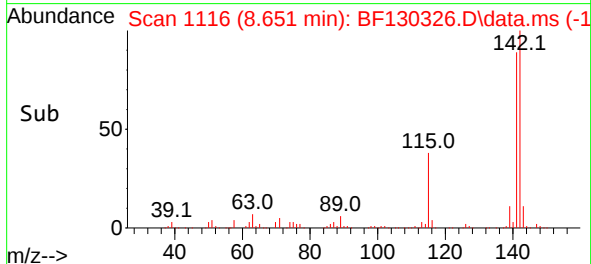
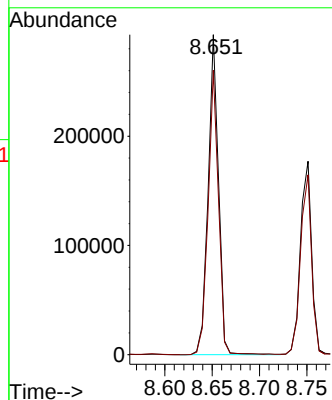
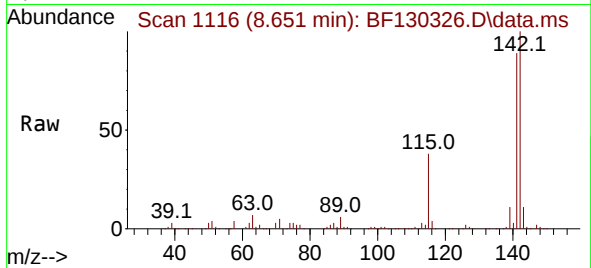




#37
2-Methylnaphthalene
Concen: 17.391 ng
RT: 8.651 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

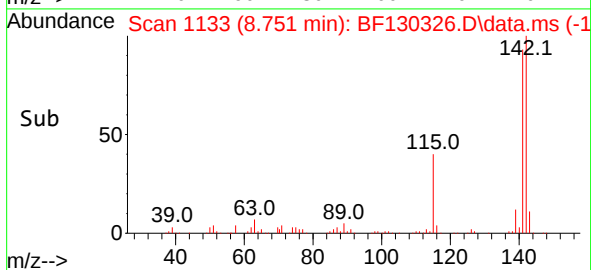
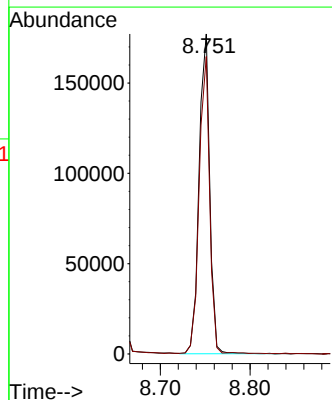
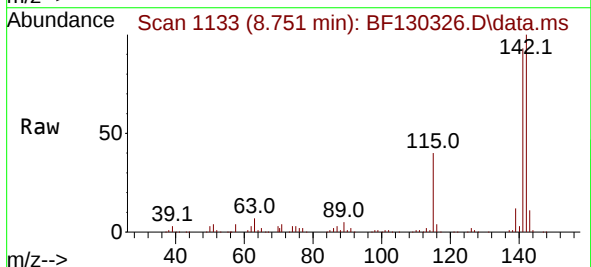
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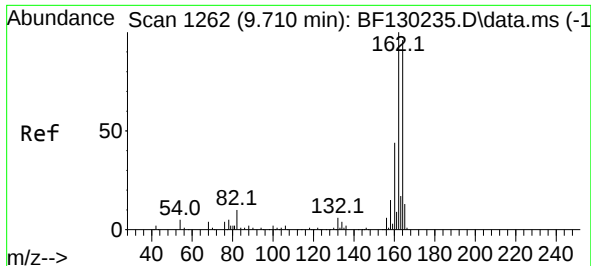
Tgt Ion:142 Resp: 222968
Ion Ratio Lower Upper
142 100
141 88.9 70.0 105.0



#38
1-Methylnaphthalene
Concen: 11.857 ng
RT: 8.751 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:142 Resp: 146038
Ion Ratio Lower Upper
142 100
141 93.0 73.8 110.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.686 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

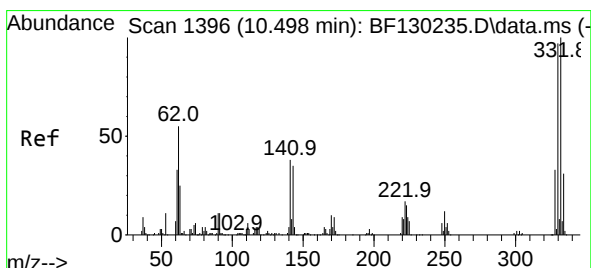
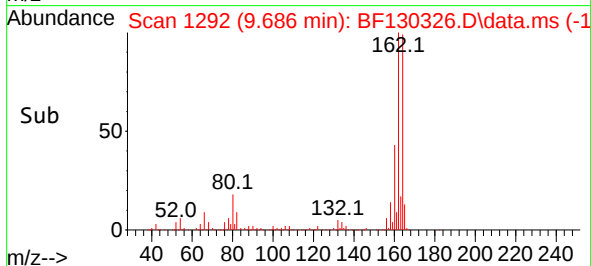
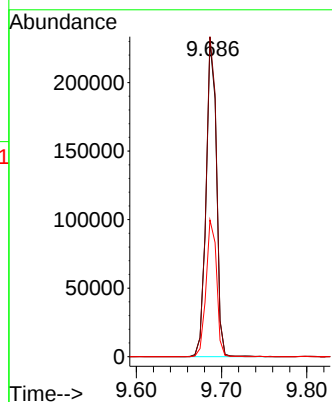
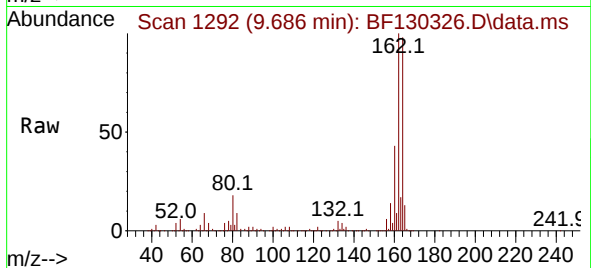
Tgt Ion:164 Resp: 194471

Ion Ratio Lower Upper

164 100

162 101.6 81.4 122.0

160 43.4 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 14.934 ng

RT: 10.469 min Scan# 1425

Delta R.T. -0.012 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

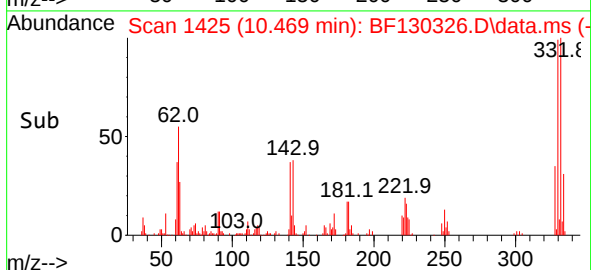
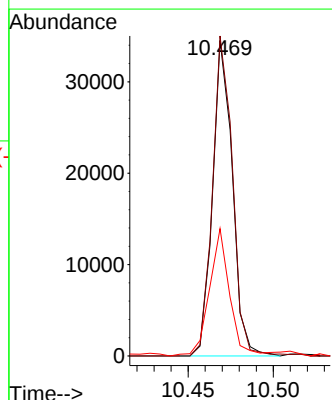
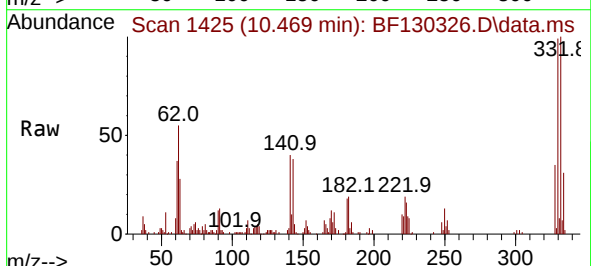
Tgt Ion:330 Resp: 27828

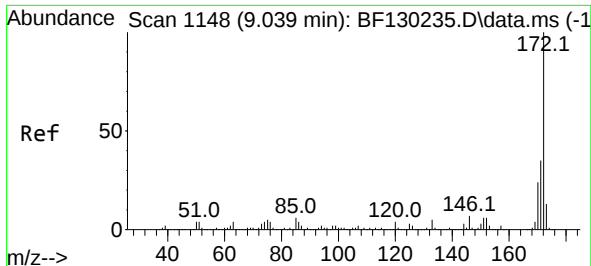
Ion Ratio Lower Upper

330 100

332 102.8 83.4 125.2

141 41.3 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 11.154 ng

RT: 9.016 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF130326.D

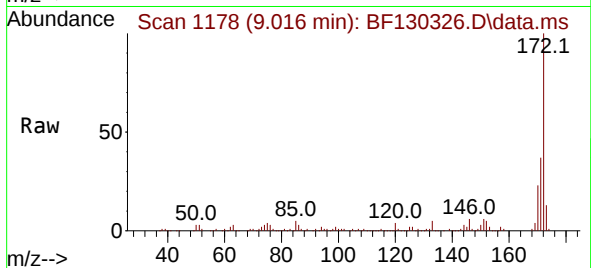
Acq: 19 Sep 2022 18:08

Instrument :

BNA_F

ClientSampleId :

COMP-1DL



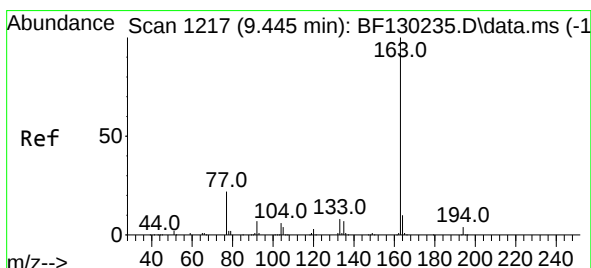
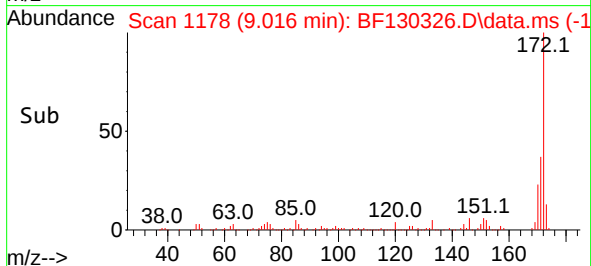
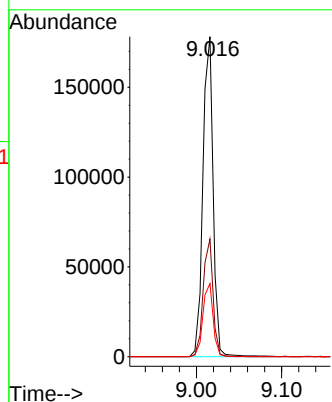
Tgt Ion:172 Resp: 148960

Ion Ratio Lower Upper

172 100

171 36.8 28.3 42.5

170 22.9 18.7 28.1



#50

Dimethylphthalate

Concen: 2.767 ng

RT: 9.686 min Scan# 1292

Delta R.T. 0.259 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

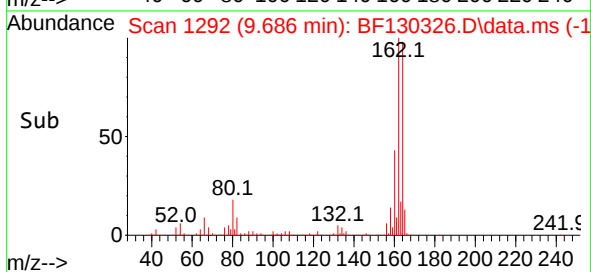
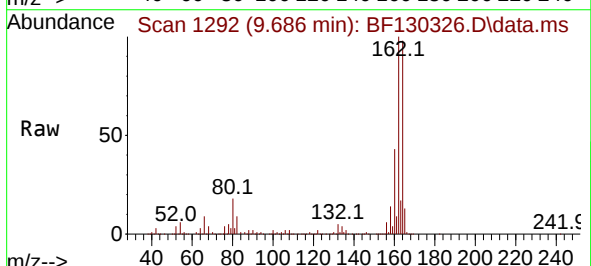
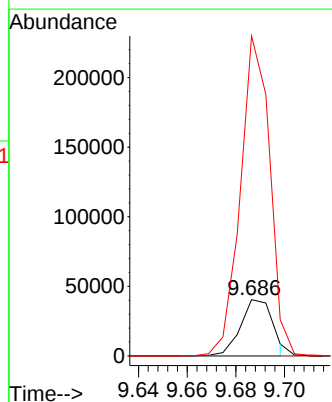
Tgt Ion:163 Resp: 37169

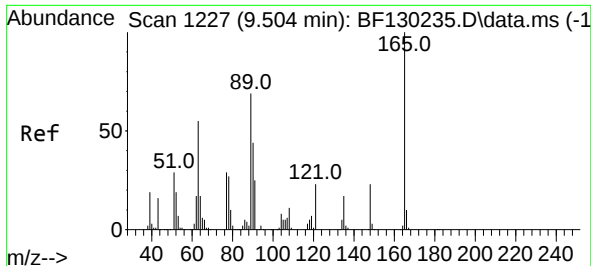
Ion Ratio Lower Upper

163 100

194 0.0 2.8 4.2#

164 567.9 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 10.547 ng

RT: 9.686 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

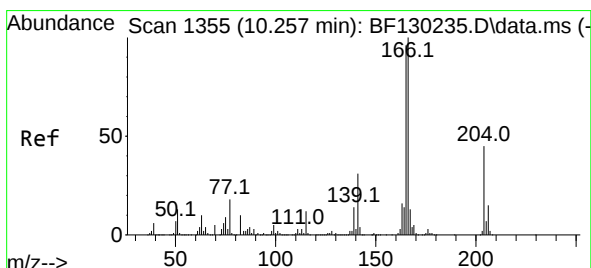
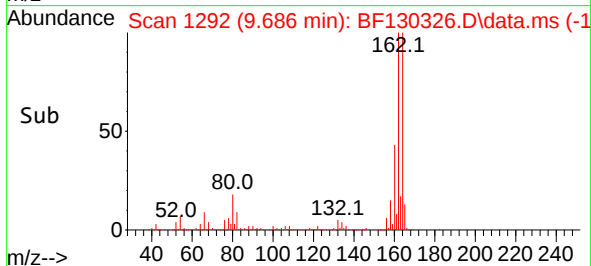
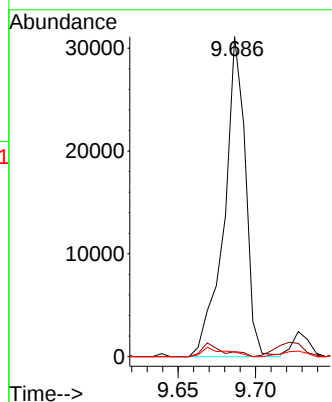
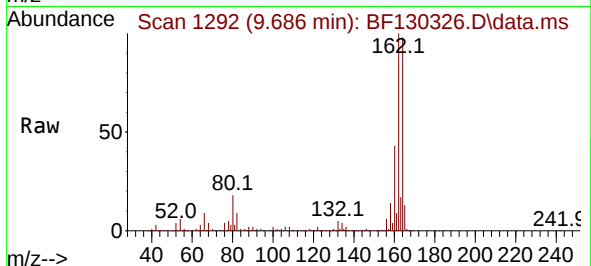
Tgt Ion:165 Resp: 29630

Ion Ratio Lower Upper

165 100

63 1.5 58.8 88.2#

89 1.5 54.5 81.7#



#58

Fluorene

Concen: 4.868 ng

RT: 10.233 min Scan# 1385

Delta R.T. -0.006 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

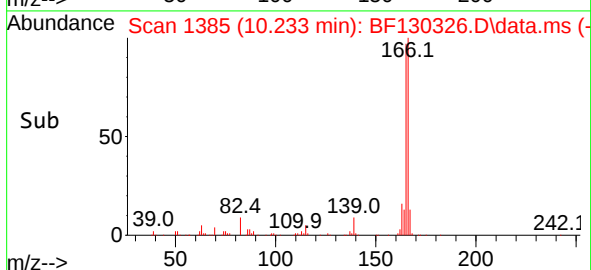
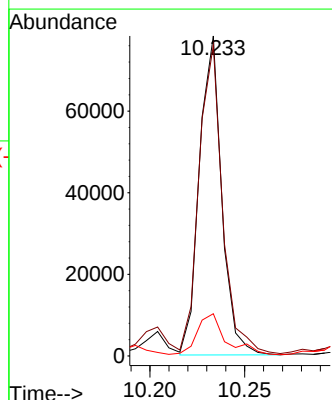
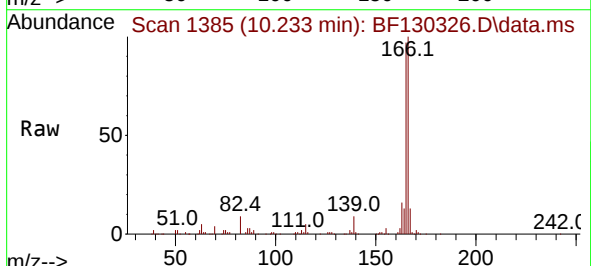
Tgt Ion:166 Resp: 64089

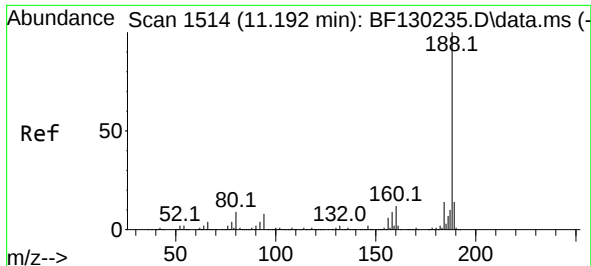
Ion Ratio Lower Upper

166 100

165 97.2 78.8 118.2

167 13.2 10.6 15.8

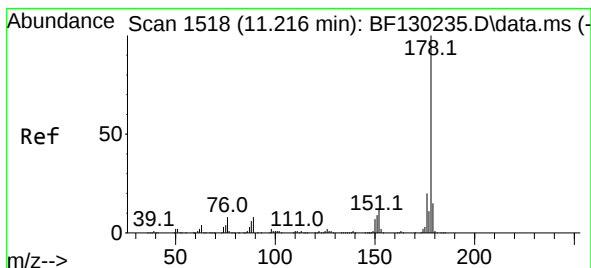
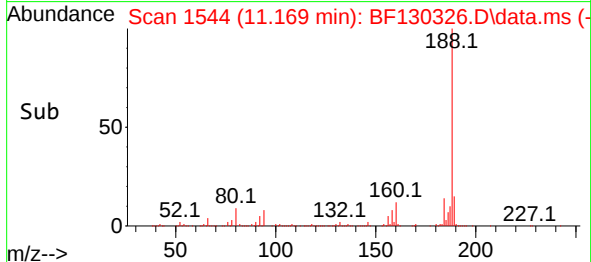
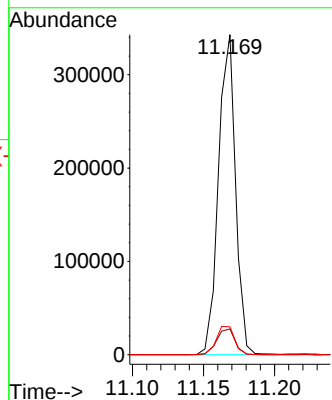
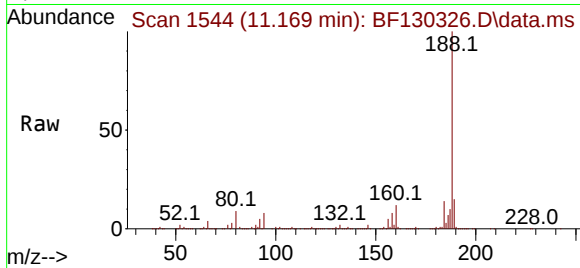




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

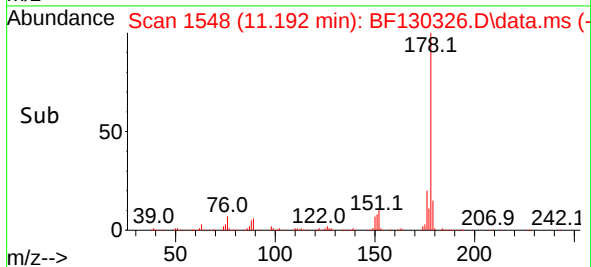
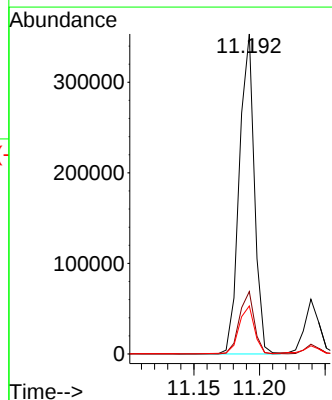
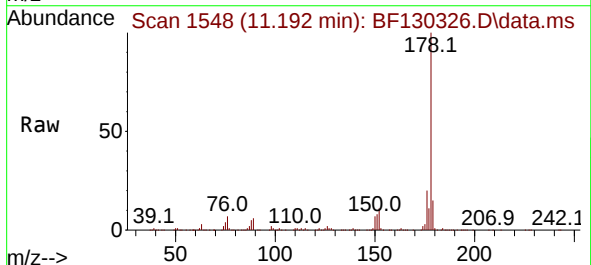
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

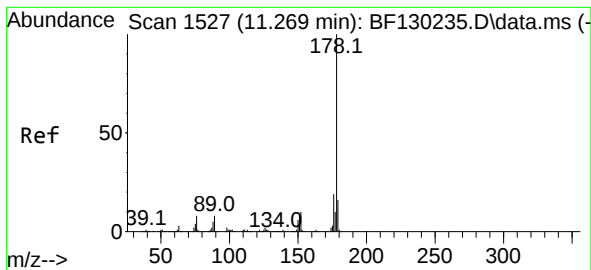
Tgt Ion:188 Resp: 285782
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 8.7 7.9 11.9



#71
Phenanthrene
Concen: 17.664 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:178 Resp: 283416
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.0 12.4 18.6





#72

Anthracene

Concen: 2.919 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

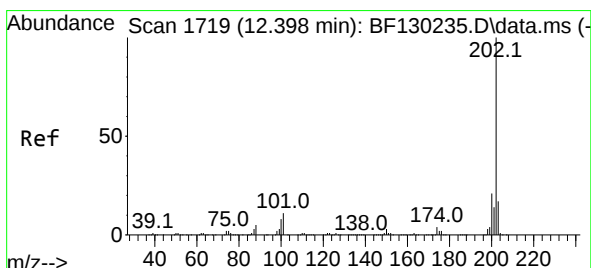
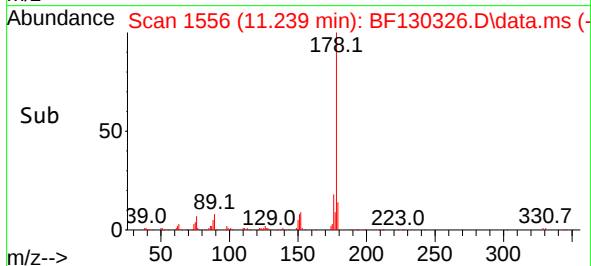
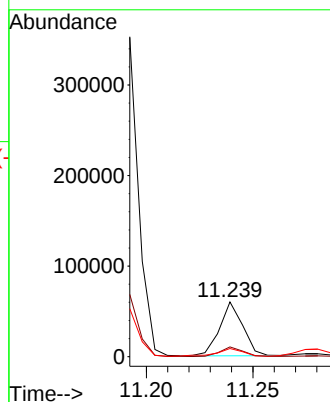
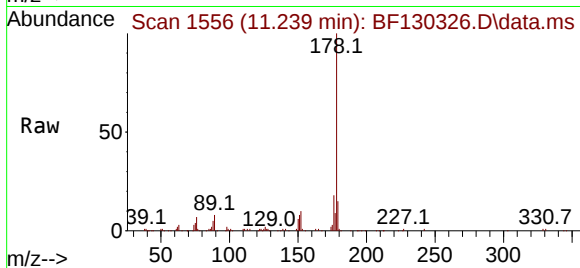
Tgt Ion:178 Resp: 45201

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.6

179 14.9 12.7 19.1



#75

Fluoranthene

Concen: 5.852 ng

RT: 12.374 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

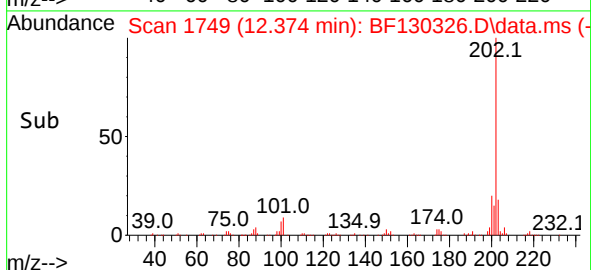
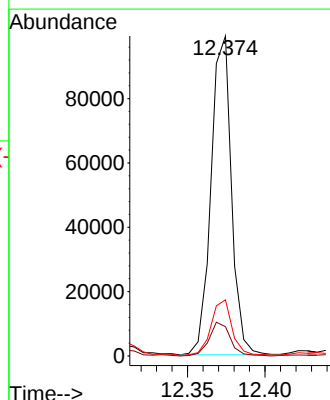
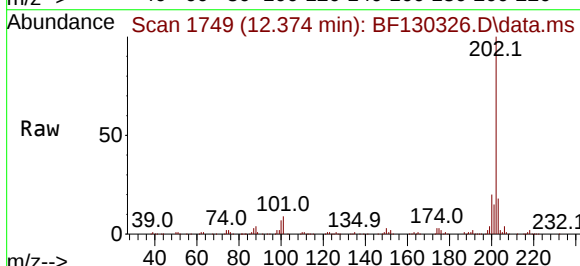
Tgt Ion:202 Resp: 90735

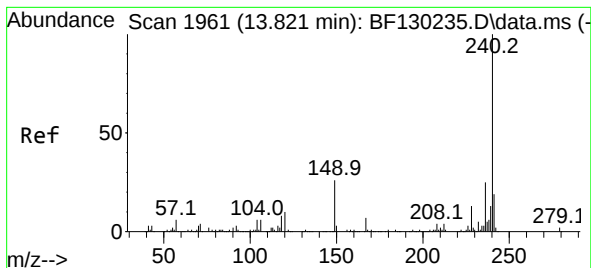
Ion Ratio Lower Upper

202 100

101 9.1 0.0 31.8

203 17.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.792 min Scan# 1990

Delta R.T. -0.012 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

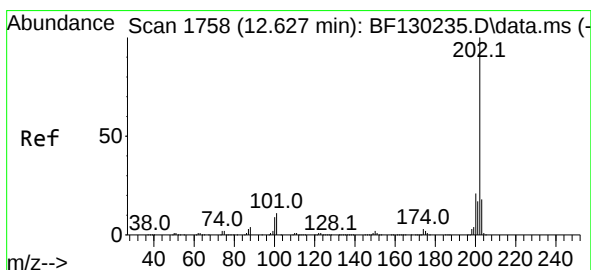
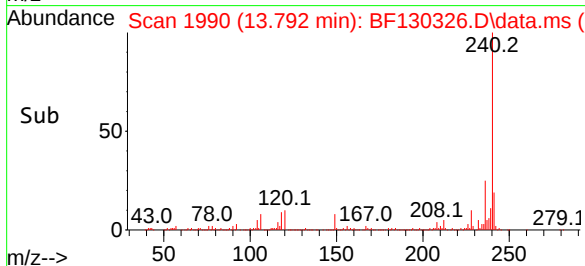
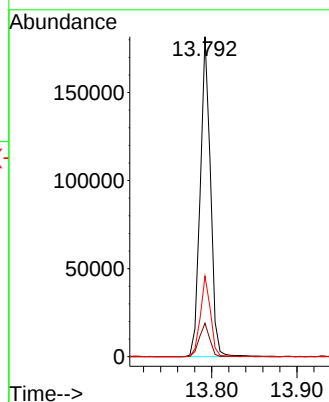
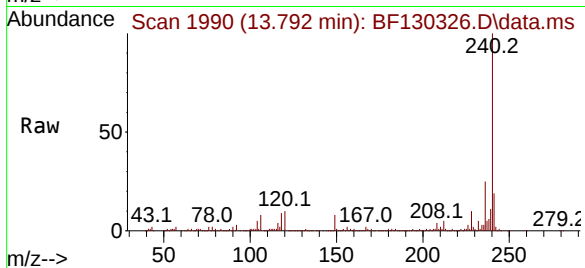
Tgt Ion:240 Resp: 151989

Ion Ratio Lower Upper

240 100

120 10.4 8.7 13.1

236 25.1 20.9 31.3



#78

Pyrene

Concen: 11.176 ng

RT: 12.598 min Scan# 1787

Delta R.T. -0.012 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

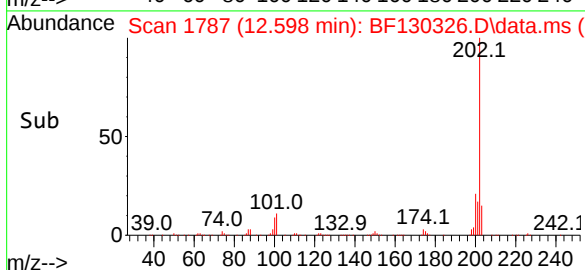
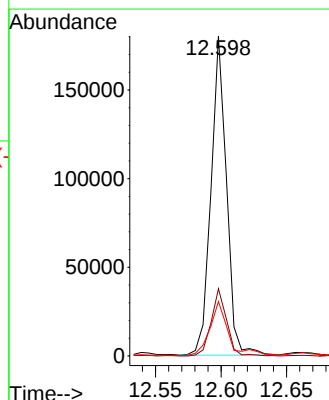
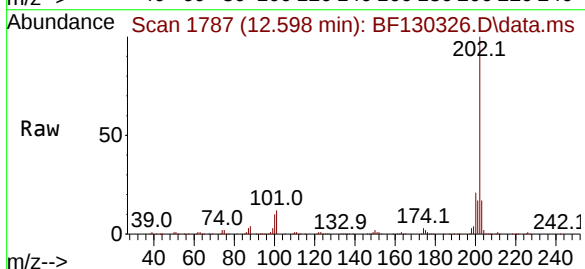
Tgt Ion:202 Resp: 148599

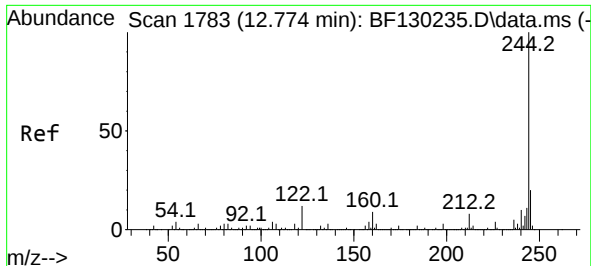
Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

203 17.0 14.3 21.5

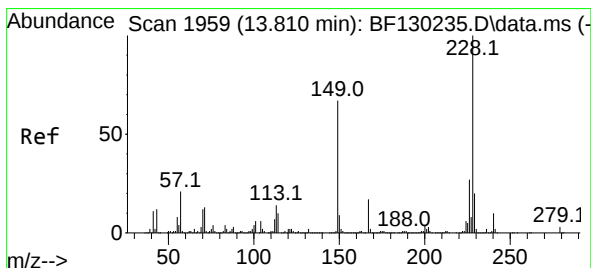
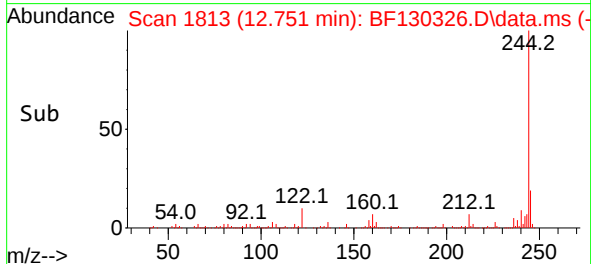
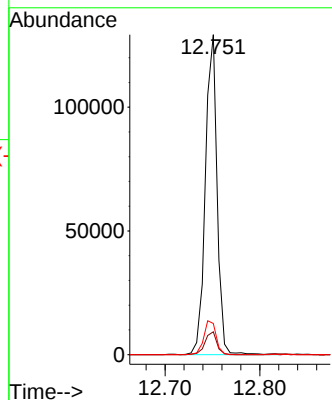
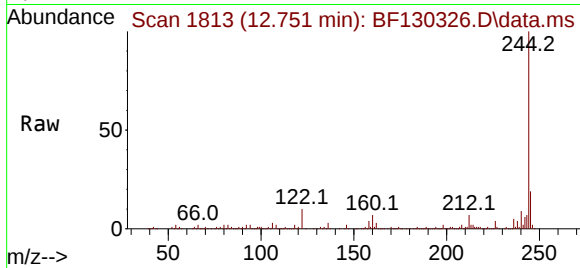




#79
 Terphenyl-d14
 Concen: 12.110 ng
 RT: 12.751 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130326.D
 Acq: 19 Sep 2022 18:08

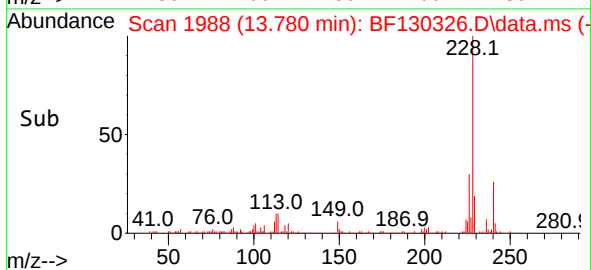
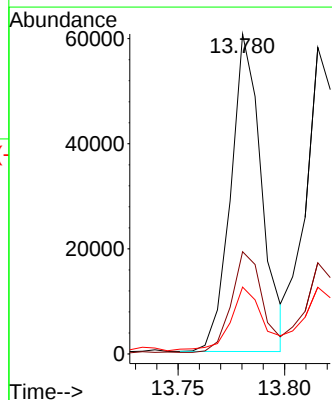
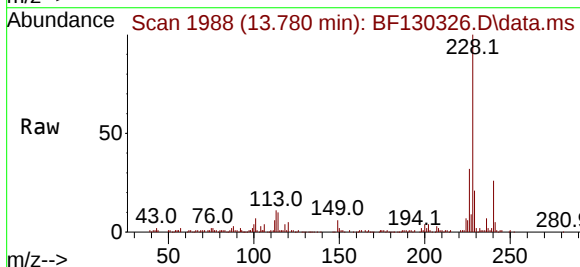
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1DL

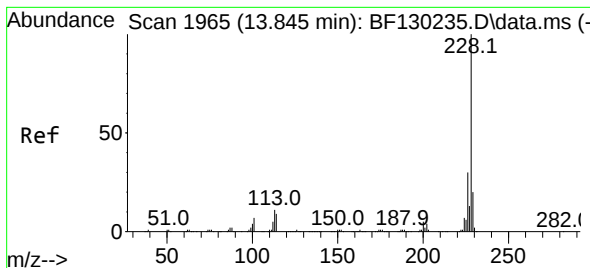
Tgt Ion:244 Resp: 111118
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 9.7 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 6.044 ng
 RT: 13.780 min Scan# 1988
 Delta R.T. -0.012 min
 Lab File: BF130326.D
 Acq: 19 Sep 2022 18:08

Tgt Ion:228 Resp: 61109
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.9 32.9
 229 20.9 16.1 24.1





#83

Chrysene

Concen: 6.121 ng

RT: 13.816 min Scan# 1994

Delta R.T. -0.012 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

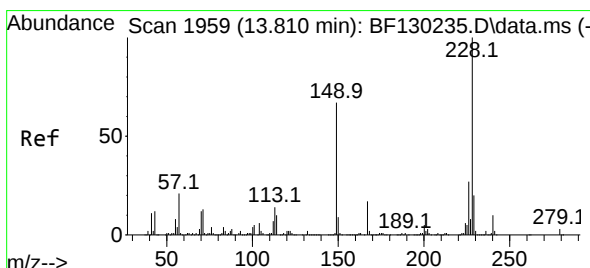
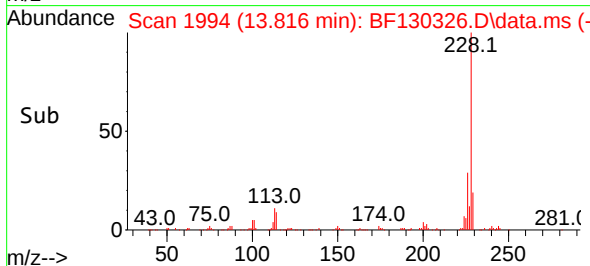
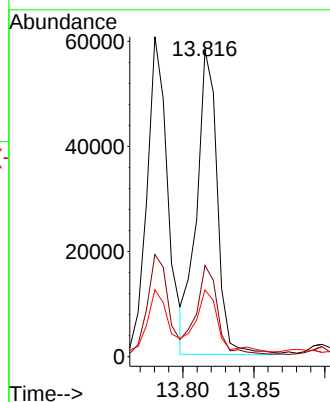
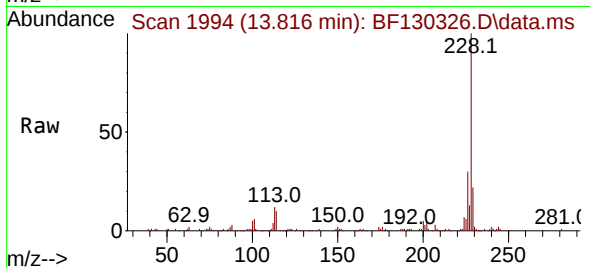
Tgt Ion:228 Resp: 58762

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 21.7 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.442 ng

RT: 13.792 min Scan# 1990

Delta R.T. 0.000 min

Lab File: BF130326.D

Acq: 19 Sep 2022 18:08

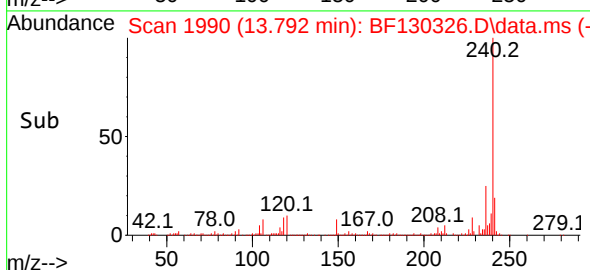
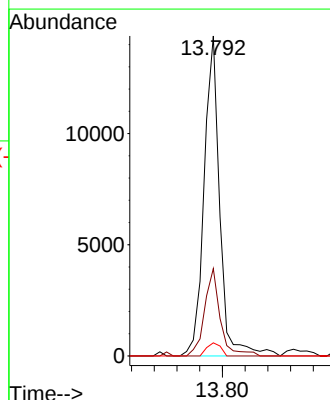
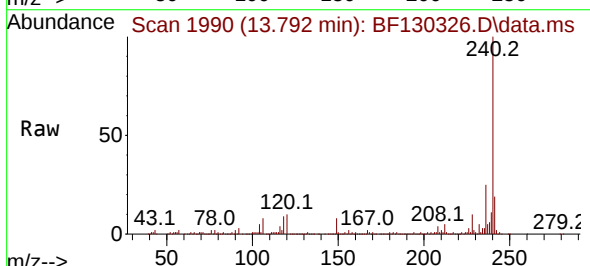
Tgt Ion:149 Resp: 13776

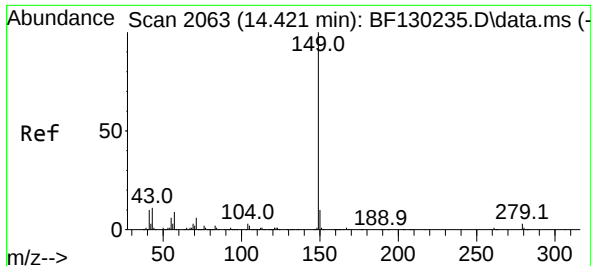
Ion Ratio Lower Upper

149 100

167 27.3 20.5 30.7

279 4.1 2.9 4.3

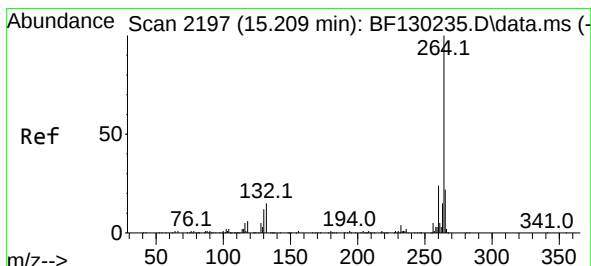
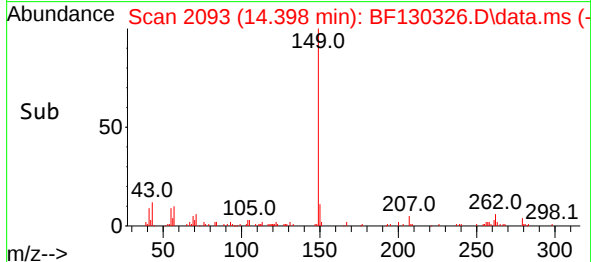
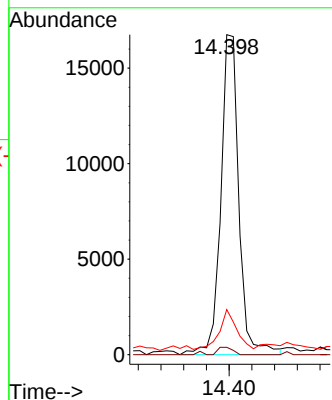
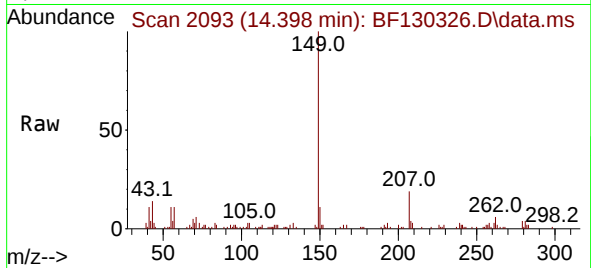




#85
Di-n-octyl phthalate
Concen: 2.150 ng
RT: 14.398 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

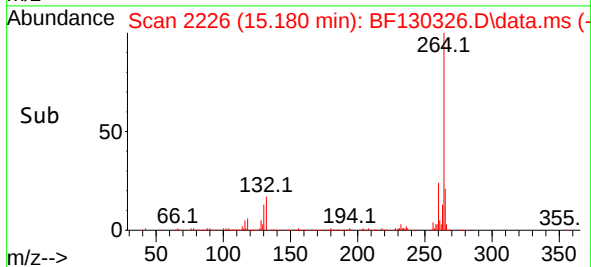
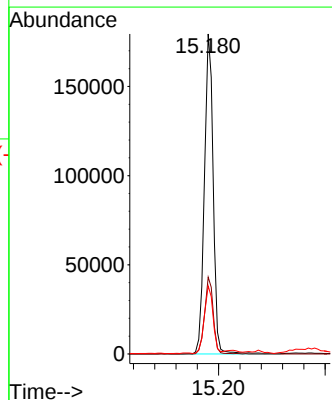
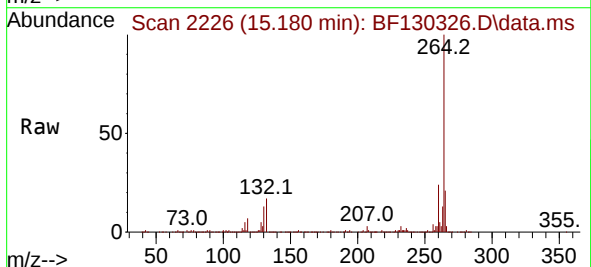
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

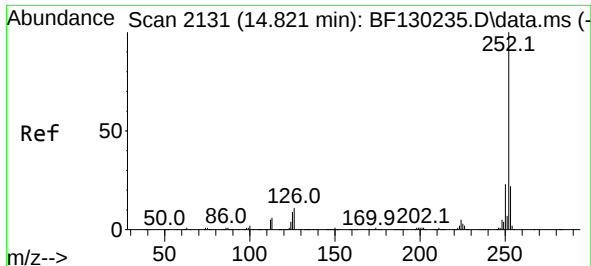
Tgt Ion:149 Resp: 18552
Ion Ratio Lower Upper
149 100
167 1.9 1.2 1.8#
43 11.6 8.7 13.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.180 min Scan# 2226
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:264 Resp: 205215
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 21.2 17.0 25.4

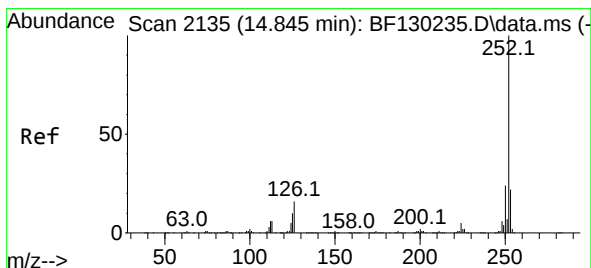
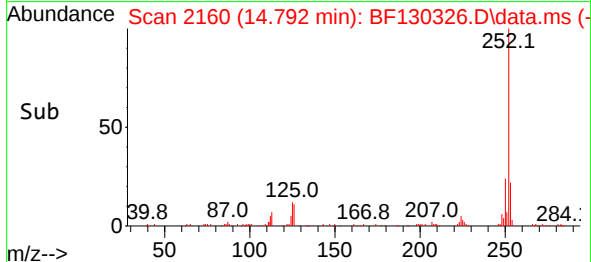
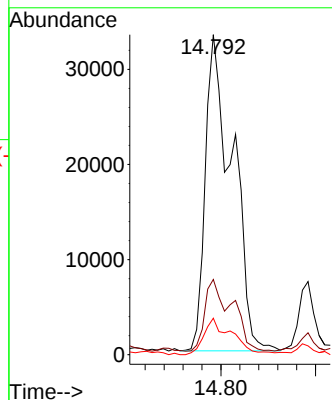
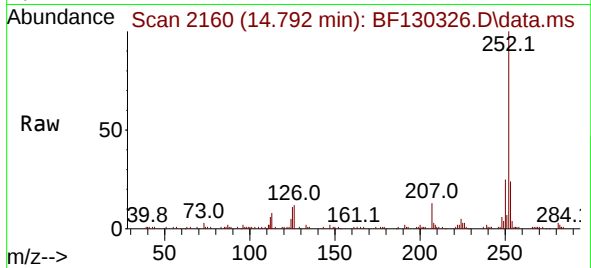




#88
Benzo(b)fluoranthene
Concen: 4.935 ng
RT: 14.792 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

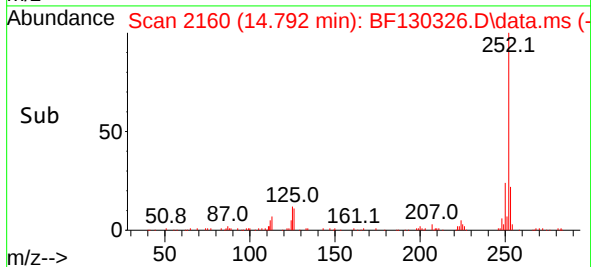
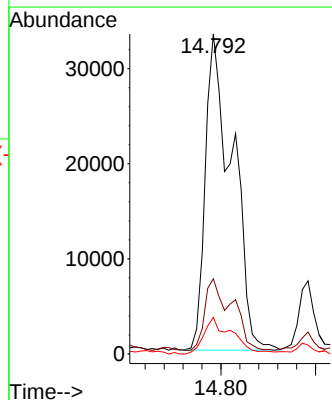
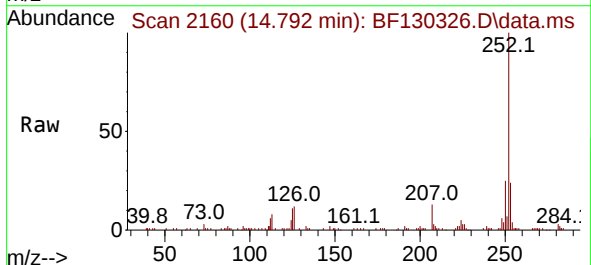
Instrument :
BNA_F
ClientSampleId :
COMP-1DL

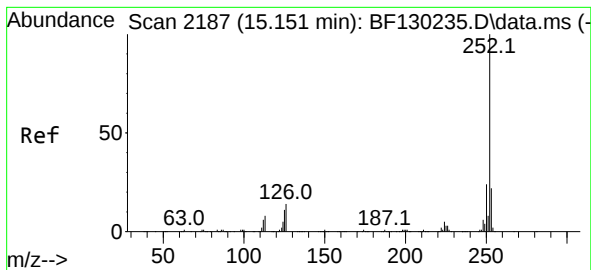
Tgt Ion:252 Resp: 66100
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.4 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 5.017 ng
RT: 14.792 min Scan# 2160
Delta R.T. -0.035 min
Lab File: BF130326.D
Acq: 19 Sep 2022 18:08

Tgt Ion:252 Resp: 66100
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 11.4 7.9 11.9





#90
 Benzo(a)pyrene
 Concen: 4.509 ng
 RT: 15.121 min Scan# 2187
 Delta R.T. -0.012 min
 Lab File: BF130326.D
 Acq: 19 Sep 2022 18:08

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1DL

Tgt Ion:252 Resp: 47848
 Ion Ratio Lower Upper
 252 100
 253 20.6 17.8 26.6
 125 9.5 9.0 13.6

