

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131373.D
 Acq On : 23 Nov 2022 21:39
 Operator : CG\JU
 Sample : N5753-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11986

Quant Time: Nov 24 05:58:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 05:53:32 2022
 Response via : Initial Calibration

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

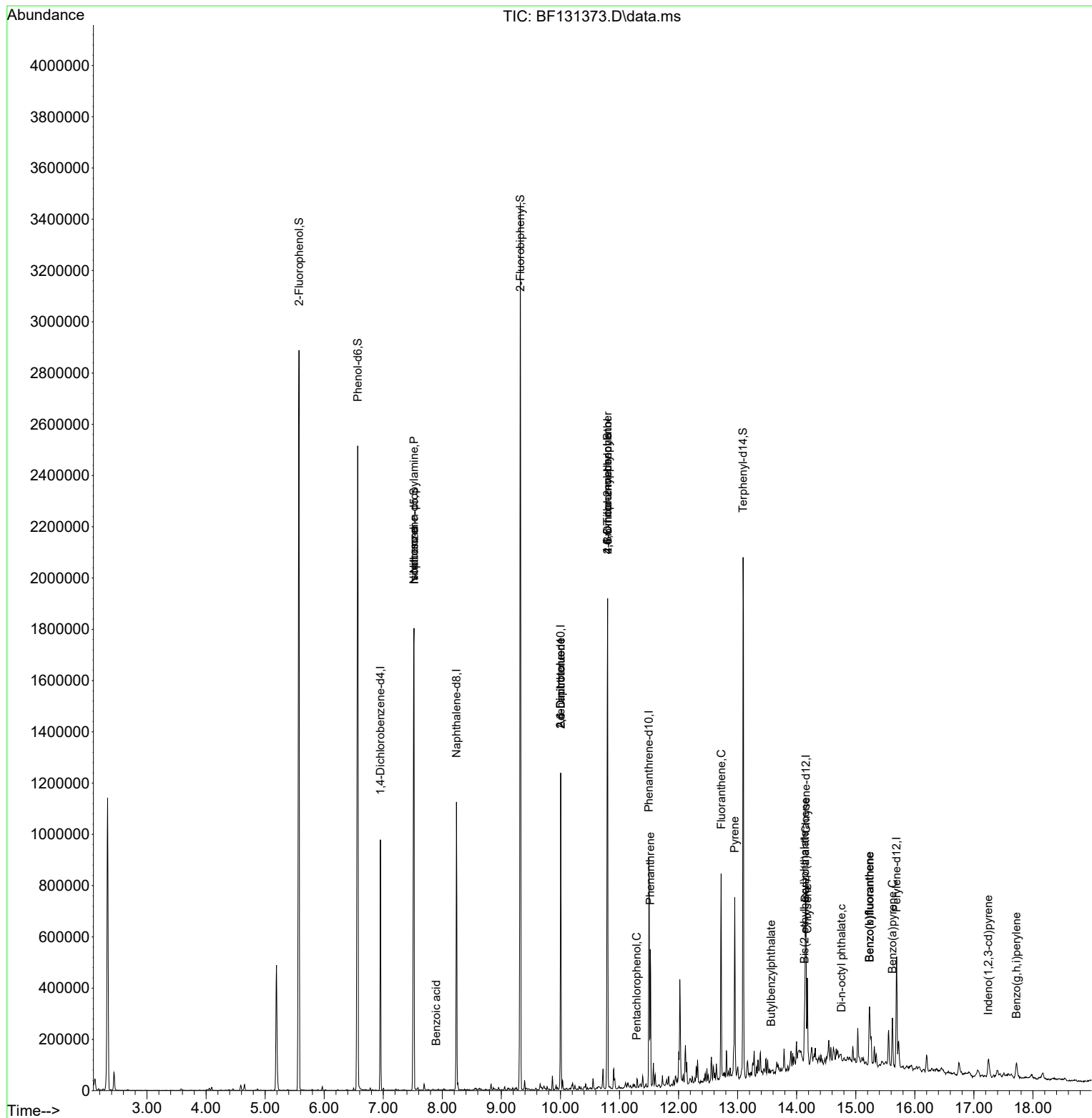
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	130399	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	448338	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	226872	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	332570	20.000	ng	0.00
76) Chrysene-d12	14.157	240	219623	20.000	ng	0.00
86) Perylene-d12	15.692	264	202621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	776587	113.345	ng	0.02
7) Phenol-d6	6.569	99	978837	111.973	ng	0.00
23) Nitrobenzene-d5	7.522	82	644757	72.493	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	204531	107.158	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1016497	65.183	ng	0.00
79) Terphenyl-d14	13.092	244	726131	54.066	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	290	Below Cal		91
19) n-Nitroso-di-n-propyla...	7.522	70	88972	13.903 ng	#	73
25) Isophorone	7.522	82	643665	40.564 ng	#	68
32) Benzoic acid	7.898	122	195	5.187 ng	#	19
51) 2,6-Dinitrotoluene	10.004	165	29077	9.198 ng	#	15
57) 2,4-Dinitrotoluene	10.004	165	29077	7.310 ng	#	19
65) 4,6-Dinitro-2-methylph...	10.798	198	469	4.942 ng	#	1
67) 4-Bromophenyl-phenylether	10.798	248	14136	3.468 ng	#	1
70) Pentachlorophenol	11.292	266	192	4.950 ng	#	58
71) Phenanthrene	11.522	178	189980	10.570 ng		98
75) Fluoranthene	12.721	202	293384	15.491 ng		99
78) Pyrene	12.951	202	271472	14.010 ng		100
80) Butylbenzylphthalate	13.568	149	961	4.278 ng	#	68
81) Benzo(a)anthracene	14.145	228	123564	8.208 ng		94
83) Chrysene	14.180	228	120651	8.169 ng		99
84) Bis(2-ethylhexyl)phtha...	14.133	149	41011	8.119 ng		95
85) Di-n-octyl phthalate	14.757	149	1474	4.039 ng	#	70
87) Indeno(1,2,3-cd)pyrene	17.245	276	51470	3.782 ng		99
88) Benzo(b)fluoranthene	15.233	252	191228	14.207 ng	#	97
89) Benzo(k)fluoranthene	15.233	252	191228	13.824 ng		98
90) Benzo(a)pyrene	15.621	252	97181	8.799 ng	#	97
92) Benzo(g,h,i)perylene	17.721	276	49493	4.414 ng		99

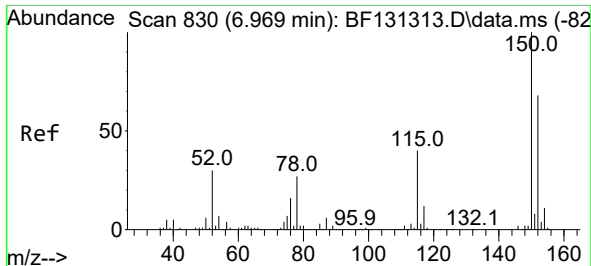
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Time: Nov 24 05:58:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 05:53:32 2022
Response via : Initial Calibration

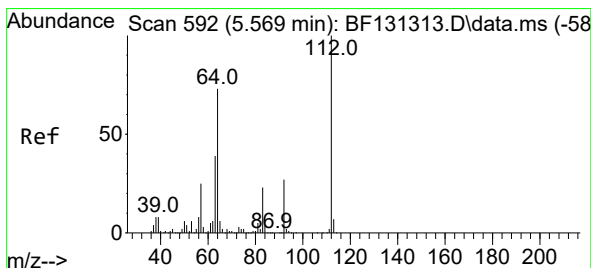
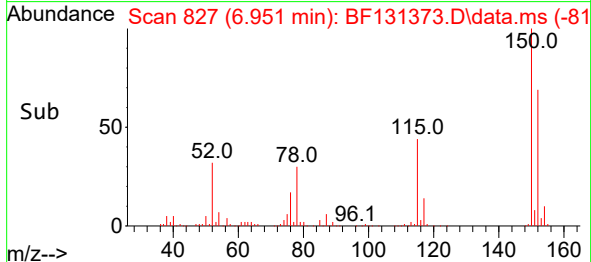
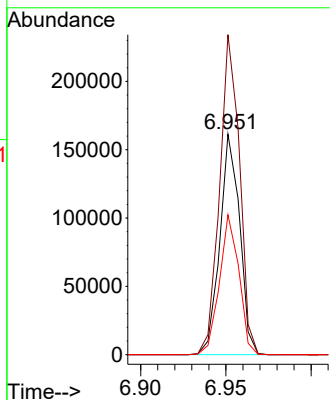
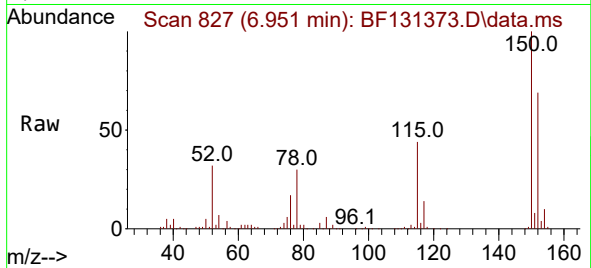




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.951 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

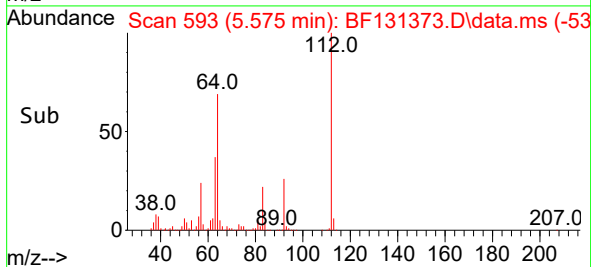
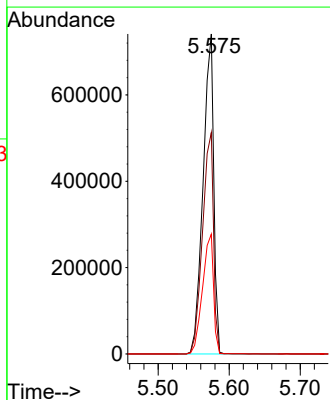
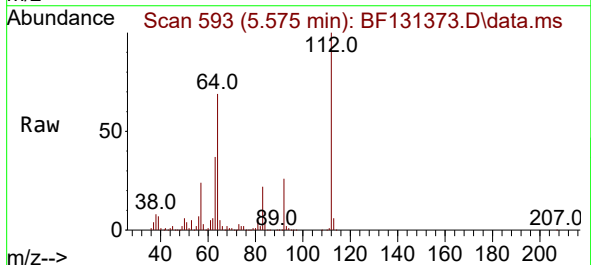
Instrument :
 BNA_F
 ClientSampleId :
 72-11986

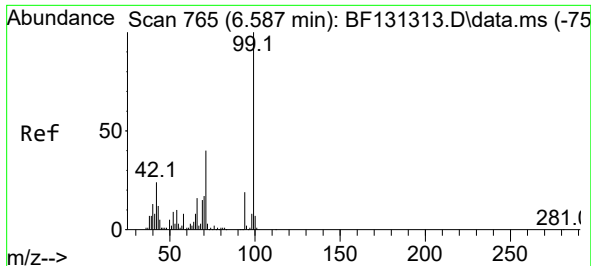
Tgt Ion:152 Resp: 130399
 Ion Ratio Lower Upper
 152 100
 150 145.1 117.8 176.8
 115 63.4 47.1 70.7



#5
 2-Fluorophenol
 Concen: 113.345 ng
 RT: 5.575 min Scan# 593
 Delta R.T. 0.018 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

Tgt Ion:112 Resp: 776587
 Ion Ratio Lower Upper
 112 100
 64 69.1 58.6 88.0
 63 37.4 31.4 47.0

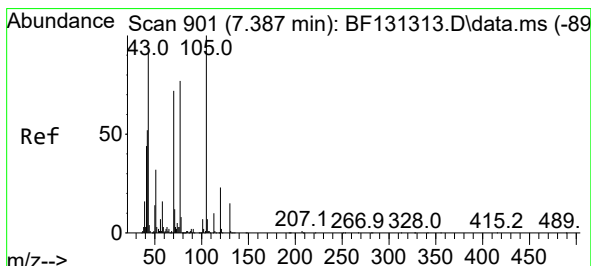
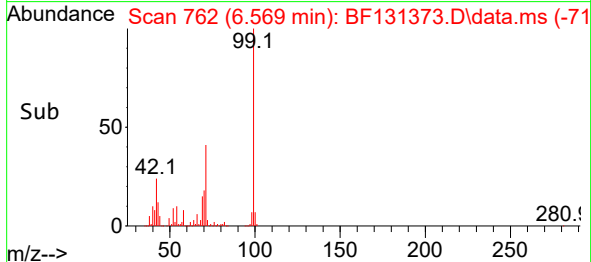
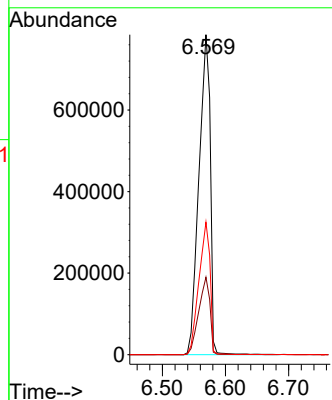
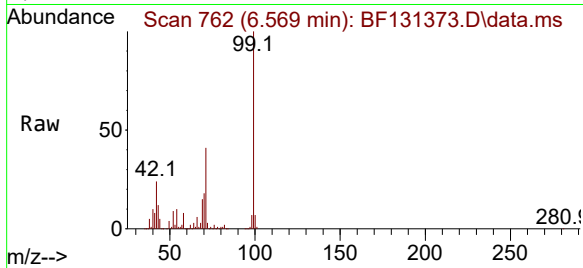




#7
Phenol-d6
Concen: 111.973 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

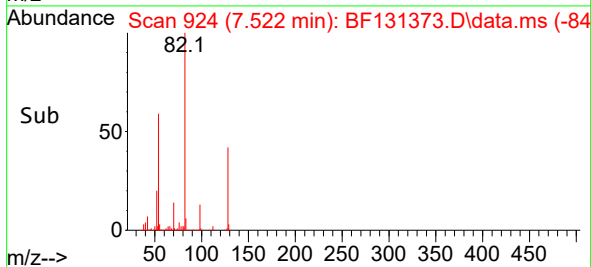
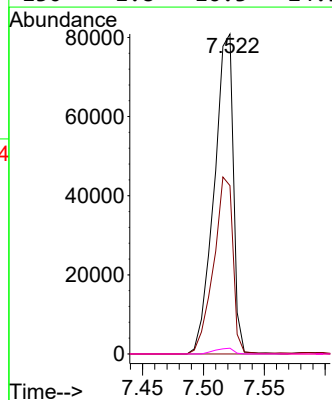
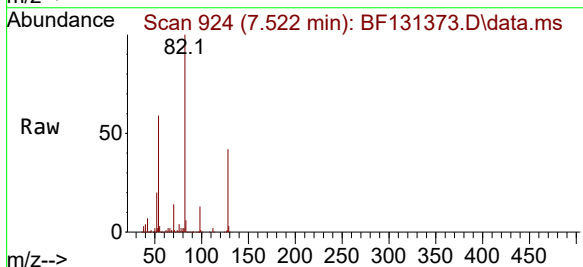
Instrument :
BNA_F
ClientSampleId :
72-11986

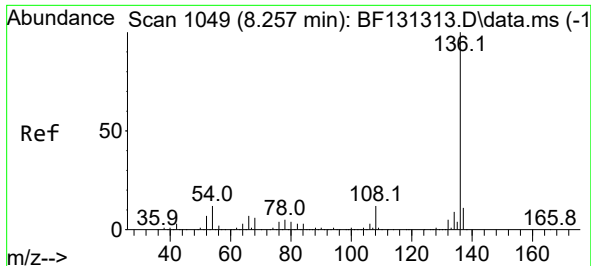
Tgt Ion: 99 Resp: 978837
Ion Ratio Lower Upper
99 100
42 24.2 19.4 29.2
71 41.4 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.903 ng
RT: 7.522 min Scan# 924
Delta R.T. 0.153 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

Tgt Ion: 70 Resp: 88972
Ion Ratio Lower Upper
70 100
42 52.6 57.6 86.4#
101 0.0 8.2 12.2#
130 1.8 16.3 24.5#



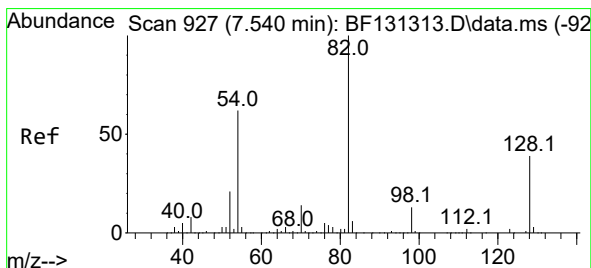
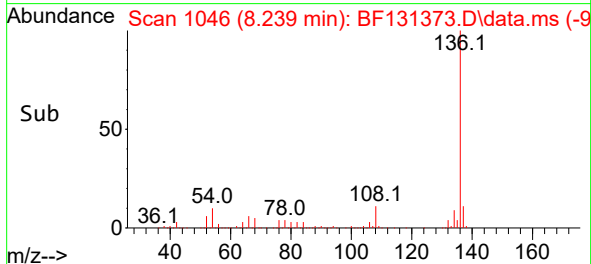
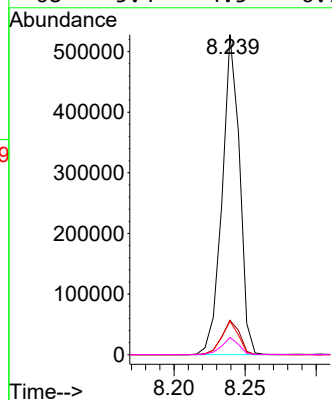
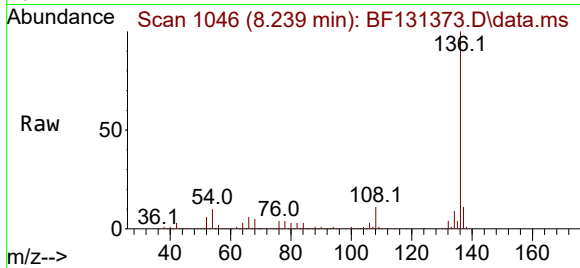


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

Instrument :
BNA_F
ClientSampleId :
72-11986

Tgt Ion:136 Resp: 448338

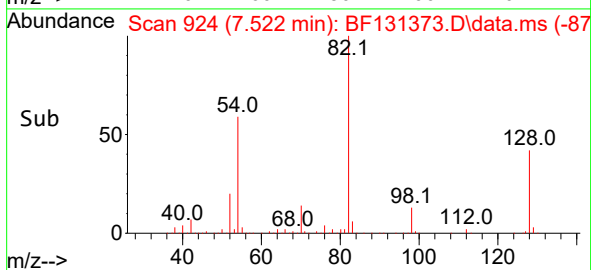
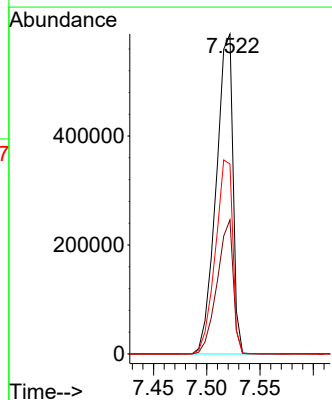
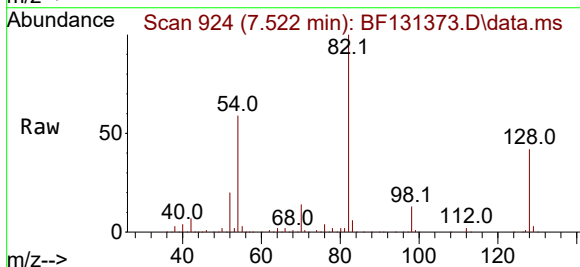
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	10.5	9.4	14.0
68	5.4	4.5	6.7

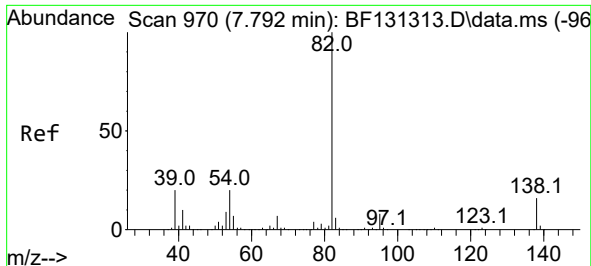


#23
Nitrobenzene-d5
Concen: 72.493 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.000 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

Tgt Ion: 82 Resp: 644757

Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.4	47.0
54	59.3	49.8	74.6

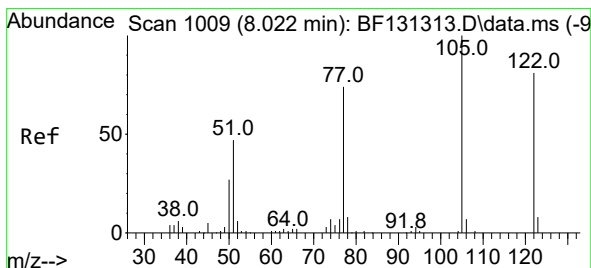
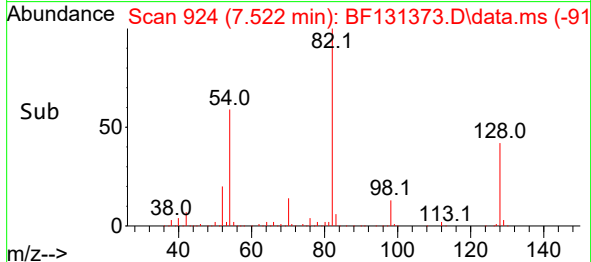
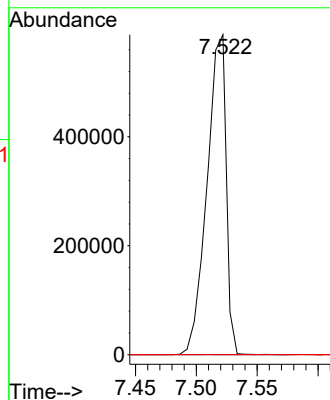
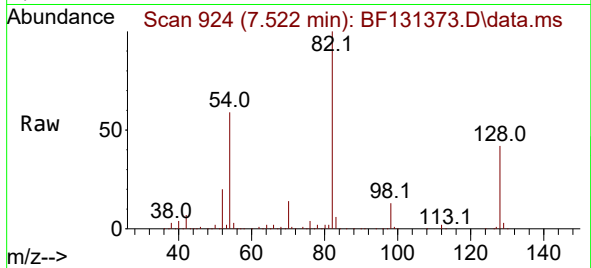




#25
Isophorone
Concen: 40.564 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

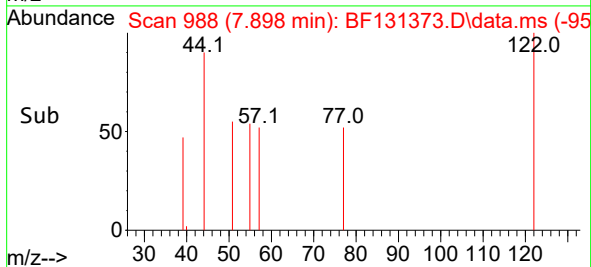
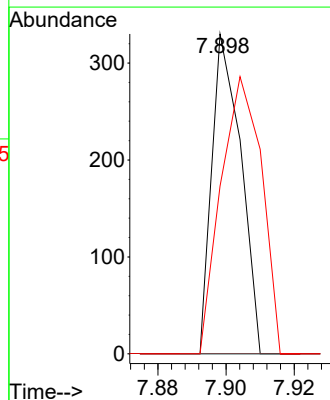
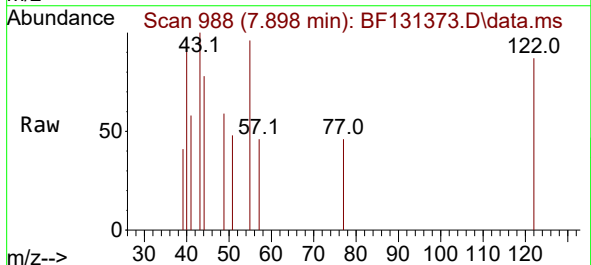
Instrument :
BNA_F
ClientSampleId :
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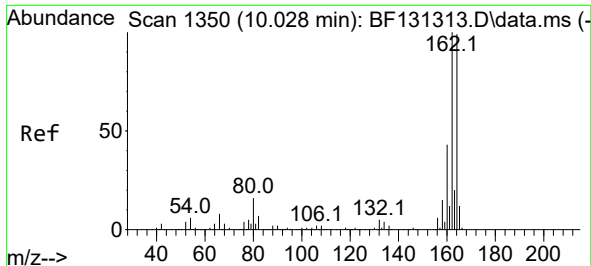
Tgt Ion: 82 Resp: 643665
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.187 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.100 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

Tgt Ion: 122 Resp: 195
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 52.4 74.3 114.3#

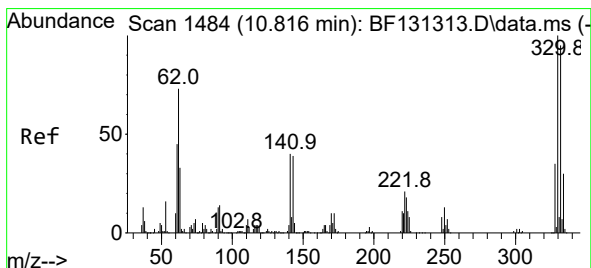
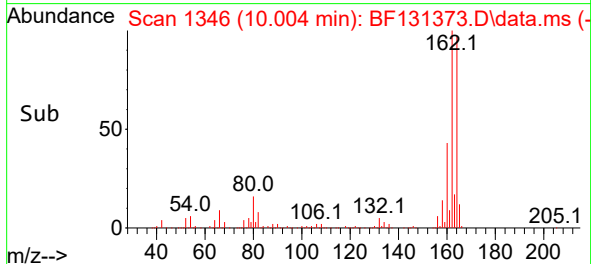
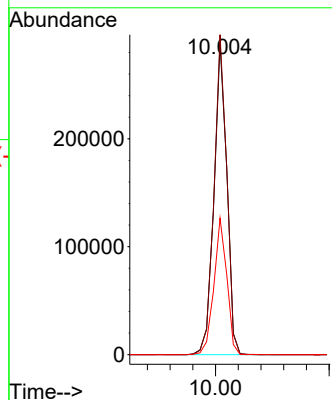
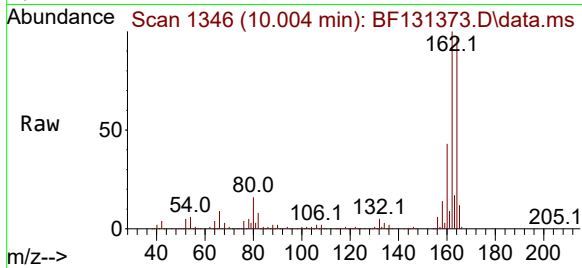




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

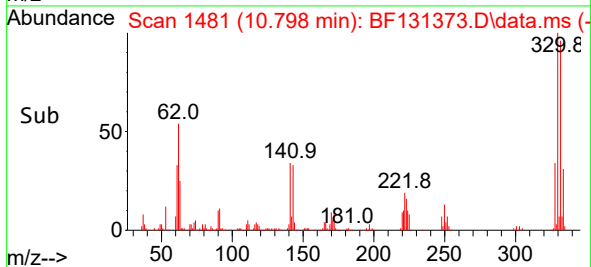
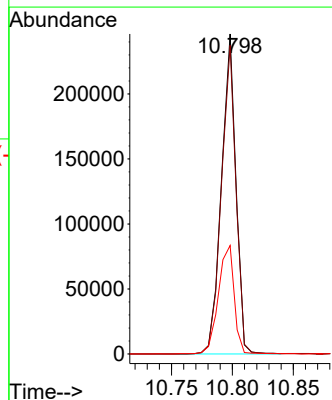
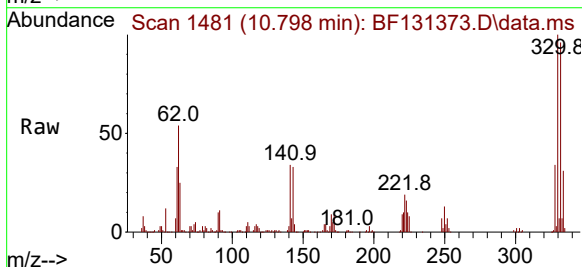
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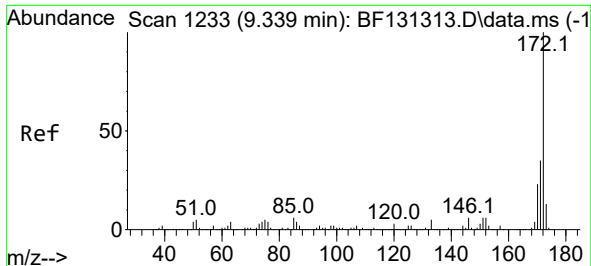
Tgt Ion:164 Resp: 226872
Ion Ratio Lower Upper
164 100
162 102.8 80.6 120.8
160 43.8 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 107.158 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

Tgt Ion:330 Resp: 204531
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 37.3 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 65.183 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

Instrument :

BNA_F

ClientSampleId :

72-11986

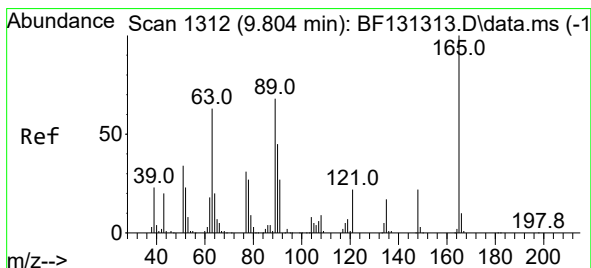
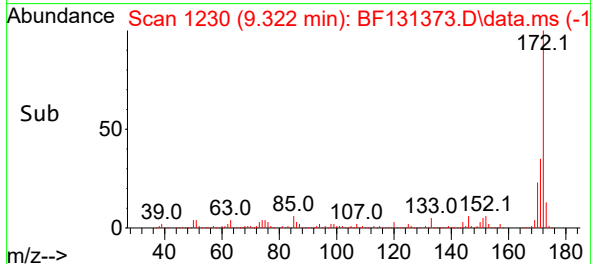
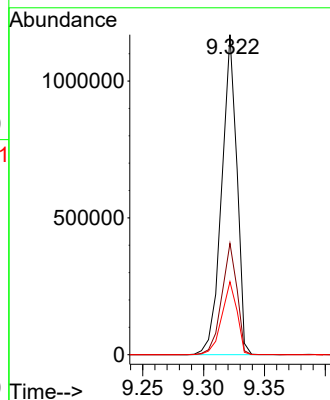
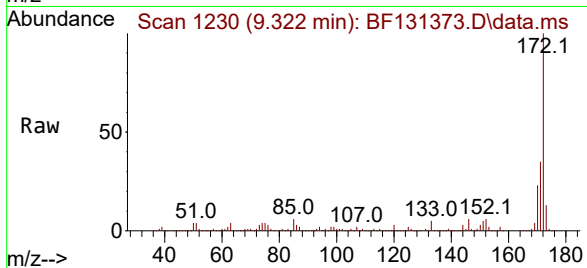
Tgt Ion:172 Resp: 1016497

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 22.8 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 9.198 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

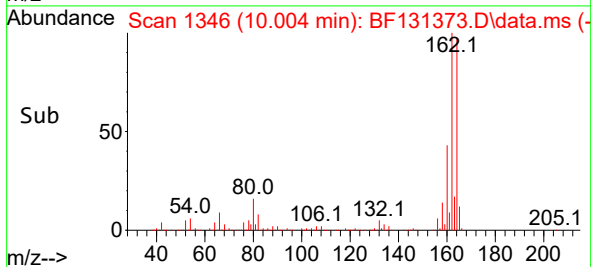
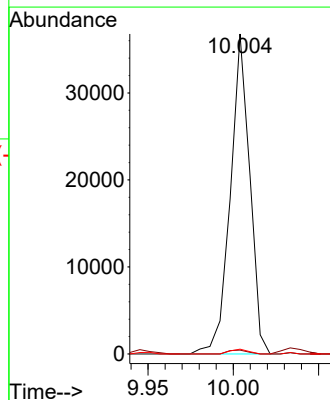
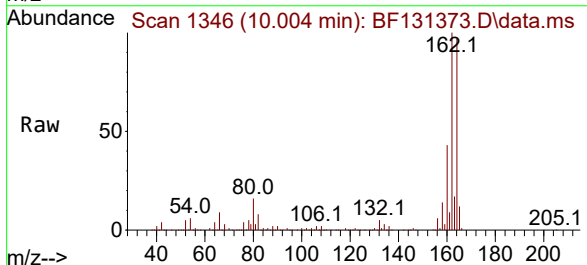
Tgt Ion:165 Resp: 29077

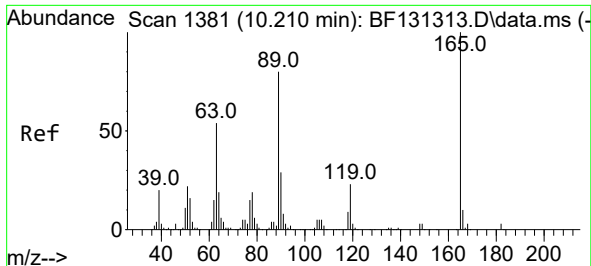
Ion Ratio Lower Upper

165 100

63 1.2 62.0 93.0#

89 1.5 54.4 81.6#

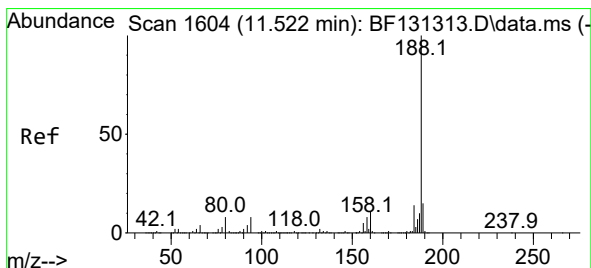
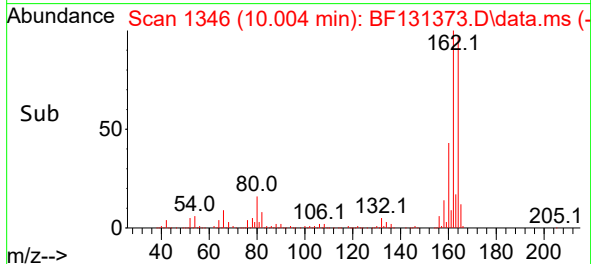
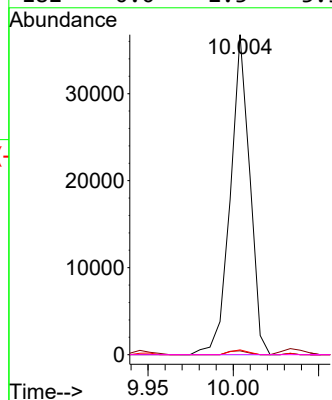
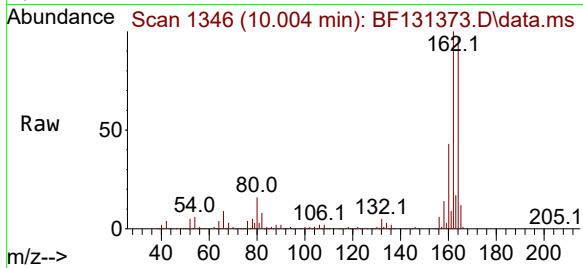




#57
2,4-Dinitrotoluene
Concen: 7.310 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

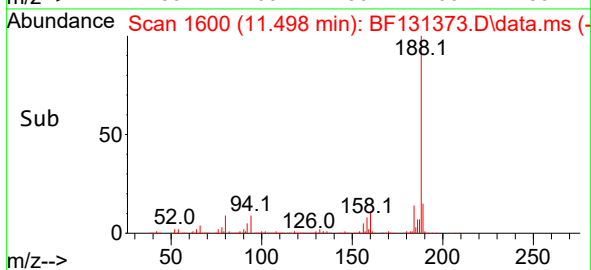
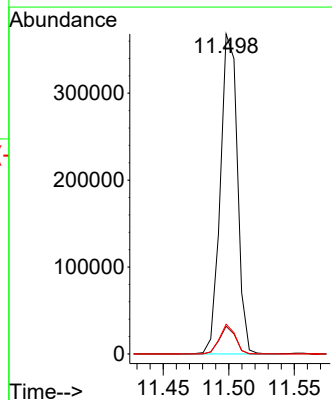
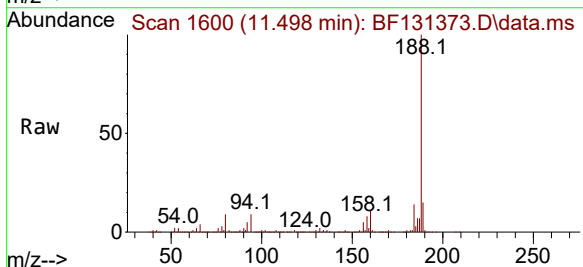
Instrument :
BNA_F
ClientSampleId :
72-11986

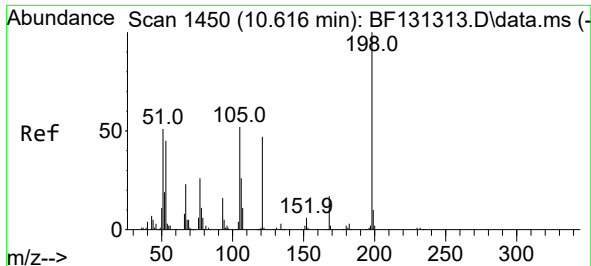
Tgt Ion:165 Resp: 29077
Ion Ratio Lower Upper
165 100
63 1.2 43.4 65.2#
89 1.5 64.0 96.0#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

Tgt Ion:188 Resp: 332570
Ion Ratio Lower Upper
188 100
94 8.7 6.3 9.5
80 9.3 6.8 10.2

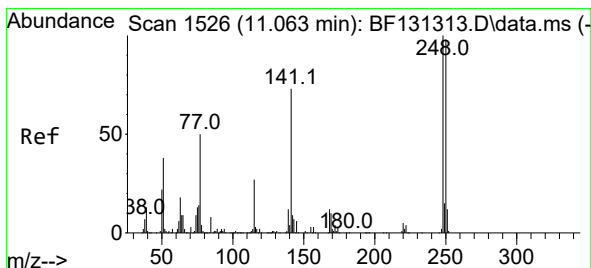
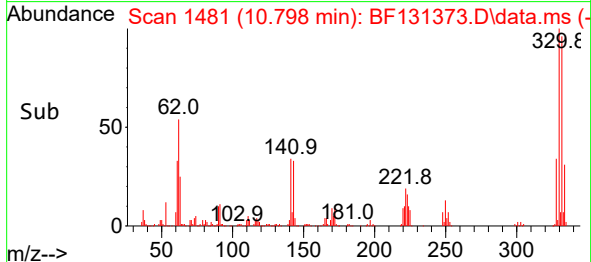
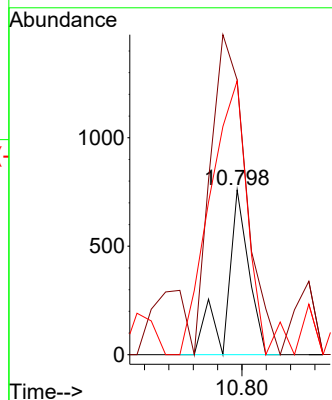
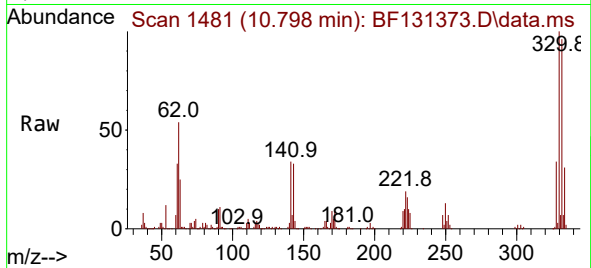




#65
4,6-Dinitro-2-methylphenol
Concen: 4.942 ng
RT: 10.798 min Scan# 1450
Delta R.T. 0.194 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

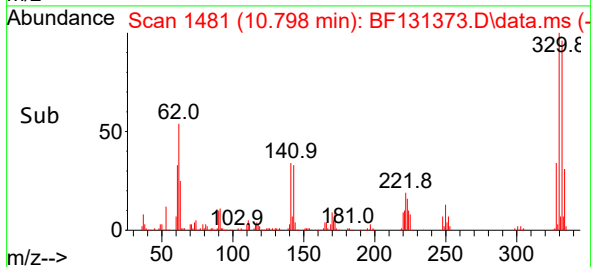
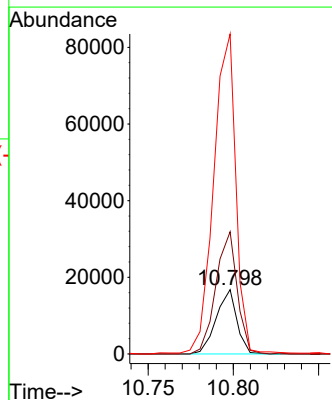
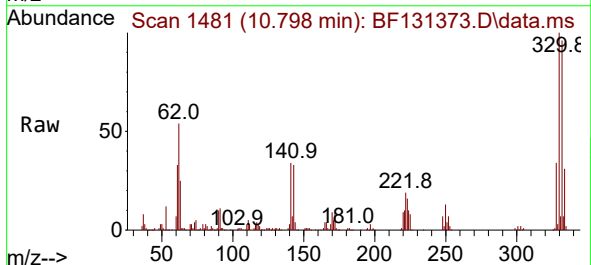
Instrument :
BNA_F
ClientSampleId :
72-11986

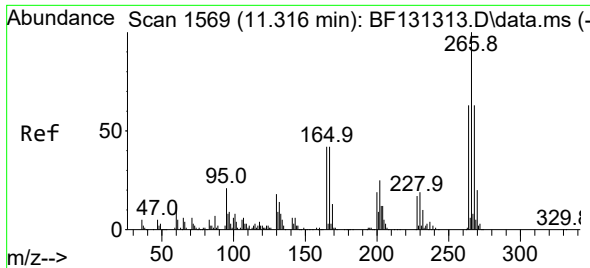
Tgt Ion:198 Resp: 469
Ion Ratio Lower Upper
198 100
51 166.6 50.1 90.1#
105 166.1 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 3.468 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.247 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

Tgt Ion:248 Resp: 14136
Ion Ratio Lower Upper
248 100
250 190.2 78.3 117.5#
141 497.9 58.0 87.0#

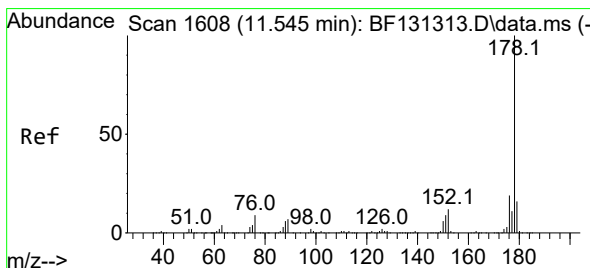
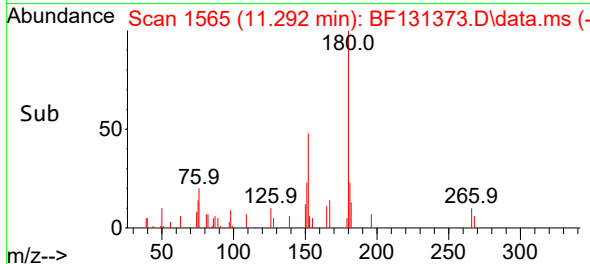
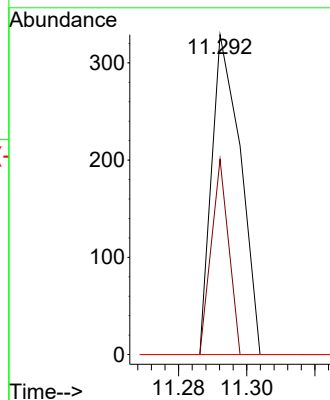
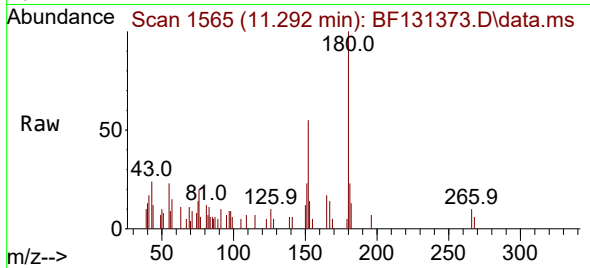




#70
 Pentachlorophenol
 Concen: 4.950 ng
 RT: 11.292 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

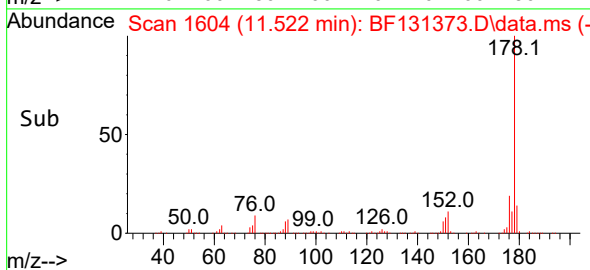
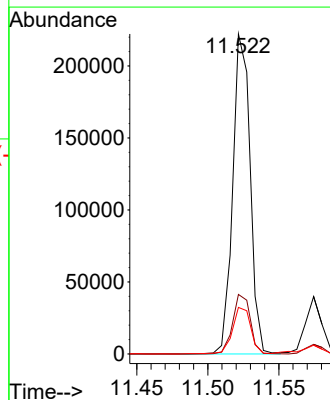
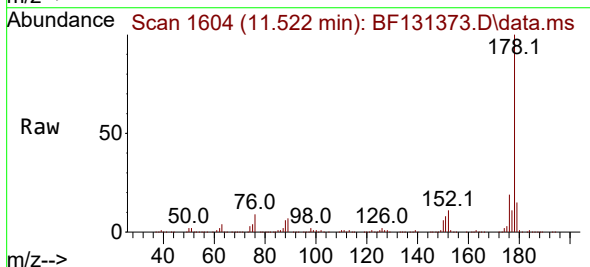
Instrument :
 BNA_F
 ClientSampleId :
 72-11986

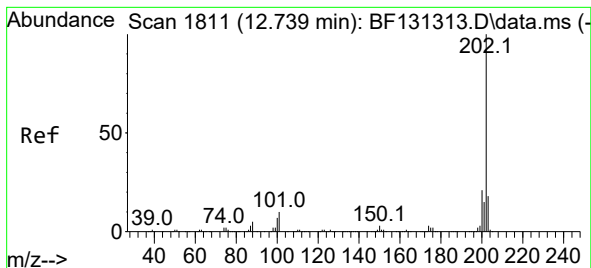
Tgt Ion:266 Resp: 192
 Ion Ratio Lower Upper
 266 100
 268 61.1 50.6 75.8
 264 0.0 50.4 75.6#



#71
 Phenanthrene
 Concen: 10.570 ng
 RT: 11.522 min Scan# 1604
 Delta R.T. -0.012 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

Tgt Ion:178 Resp: 189980
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.6 23.4
 179 14.5 12.4 18.6





#75

Fluoranthene

Concen: 15.491 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

Instrument :

BNA_F

ClientSampleId :

72-11986

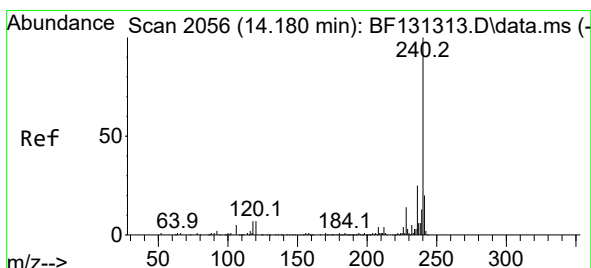
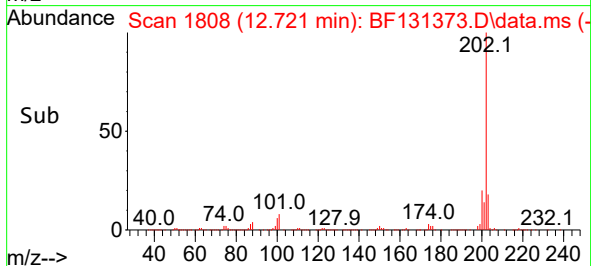
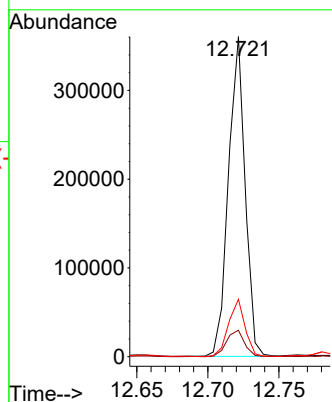
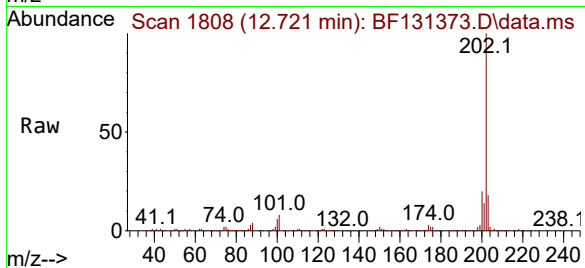
Tgt Ion:202 Resp: 293384

Ion Ratio Lower Upper

202 100

101 8.3 0.0 29.6

203 17.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 2052

Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

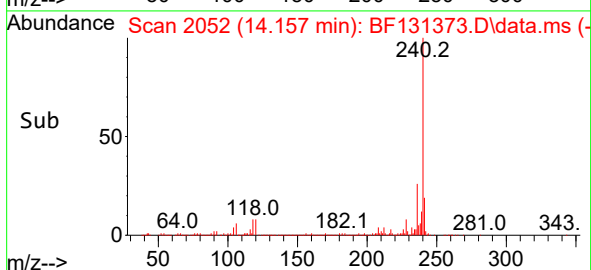
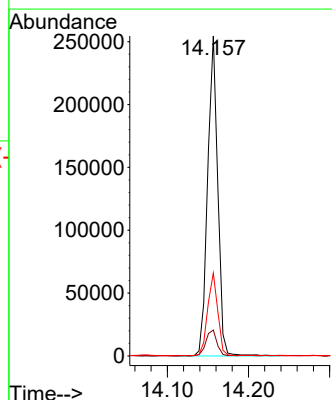
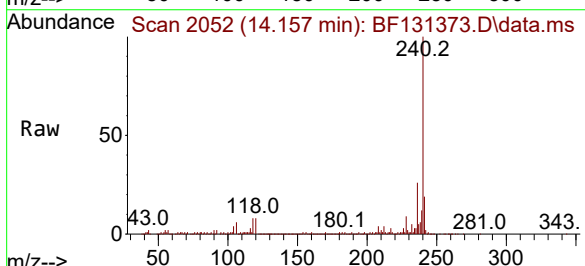
Tgt Ion:240 Resp: 219623

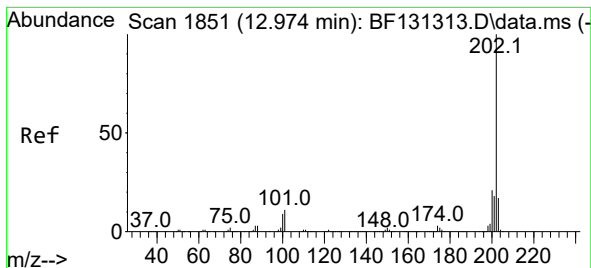
Ion Ratio Lower Upper

240 100

120 8.1 5.8 8.8

236 25.9 20.3 30.5





#78

Pyrene

Concen: 14.010 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

Instrument :

BNA_F

ClientSampleId :

72-11986

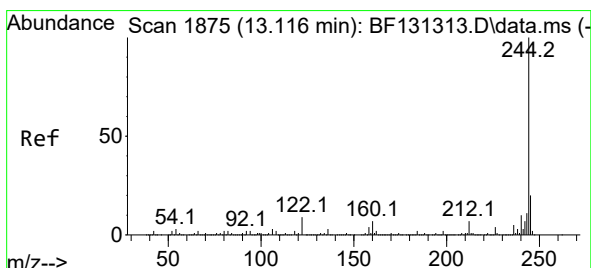
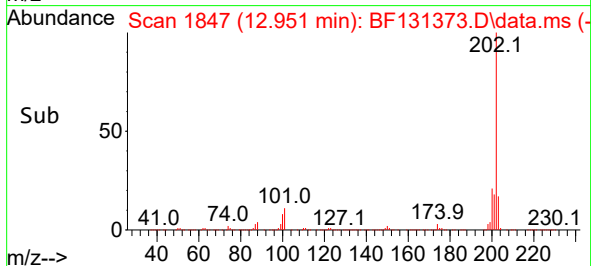
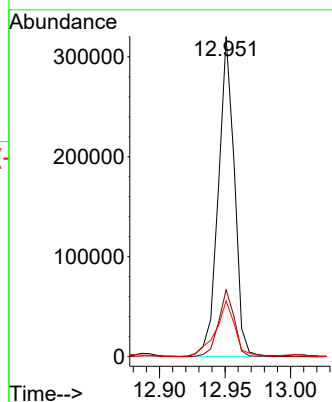
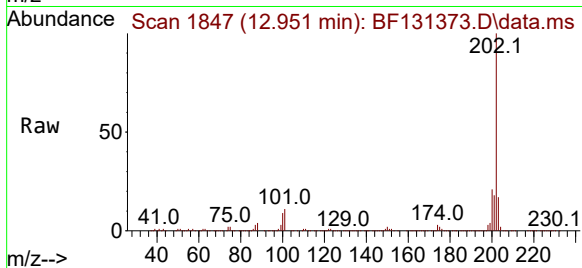
Tgt Ion:202 Resp: 271472

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.5 13.9 20.9



#79

Terphenyl-d14

Concen: 54.066 ng

RT: 13.092 min Scan# 1871

Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

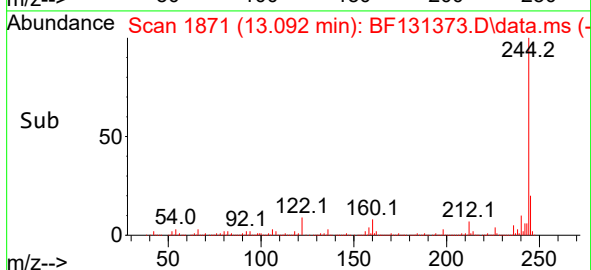
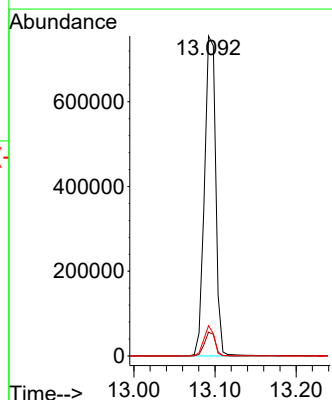
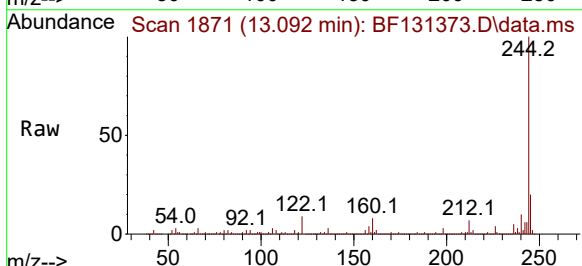
Tgt Ion:244 Resp: 726131

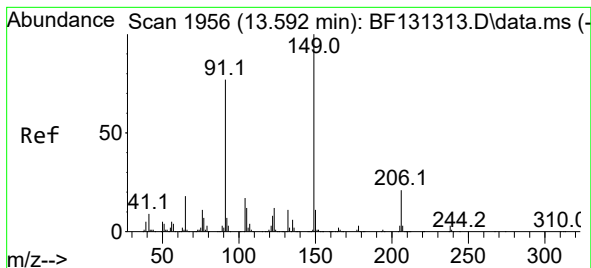
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 9.4 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.278 ng

RT: 13.568 min Scan# 1956

Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

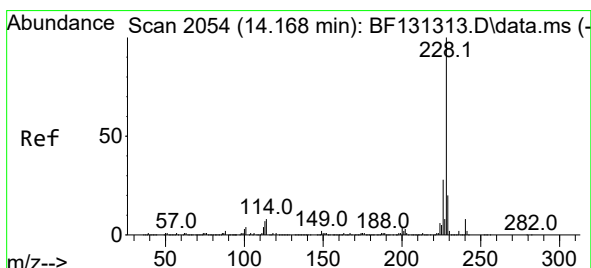
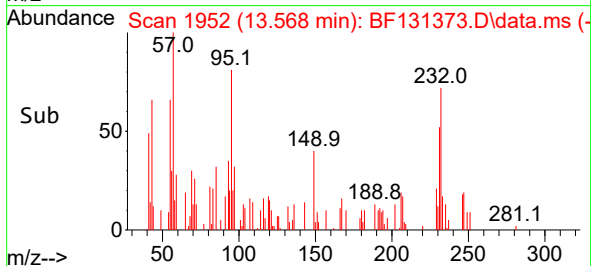
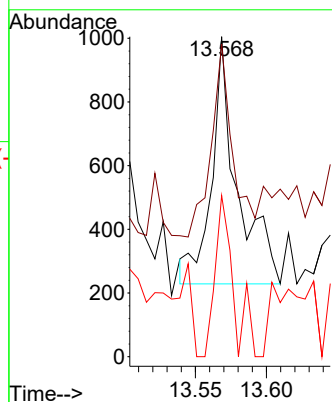
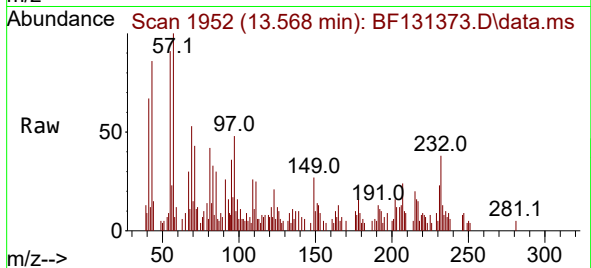
Instrument :

BNA_F

ClientSampleId :

72-11986

Tgt Ion:	149	Resp:	961
Ion Ratio	Lower	Upper	
149	100		
91	97.7	61.9	92.9#
206	50.3	16.5	24.7#



#81

Benzo(a)anthracene

Concen: 8.208 ng

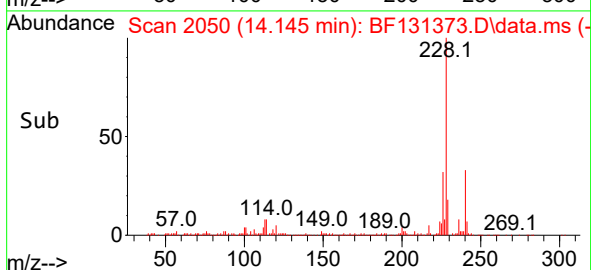
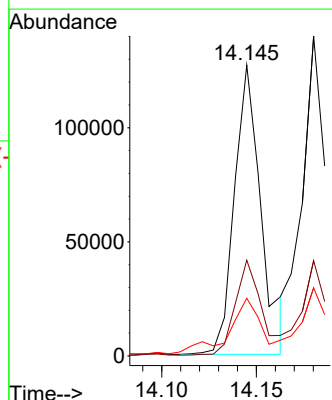
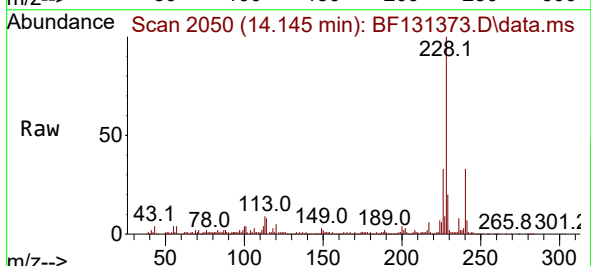
RT: 14.145 min Scan# 2050

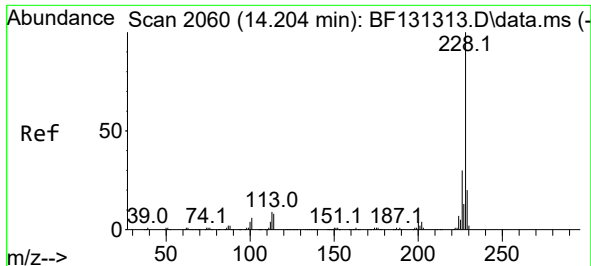
Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

Tgt Ion:	228	Resp:	123564
Ion Ratio	Lower	Upper	
228	100		
226	32.9	22.0	33.0
229	19.9	15.7	23.5





#83

Chrysene

Concen: 8.169 ng

RT: 14.180 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

Instrument :

BNA_F

ClientSampleId :

72-11986

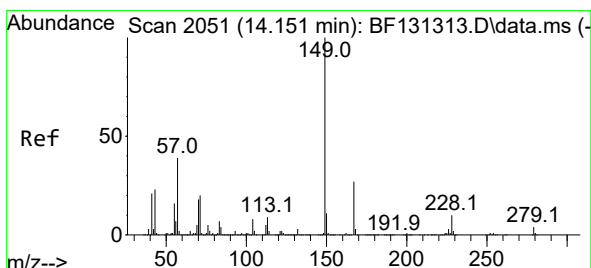
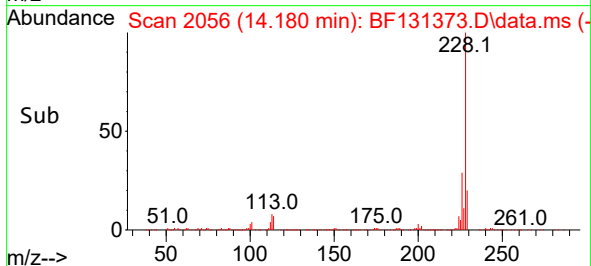
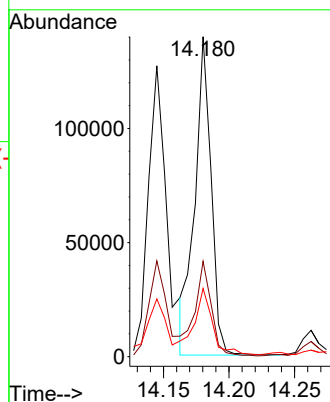
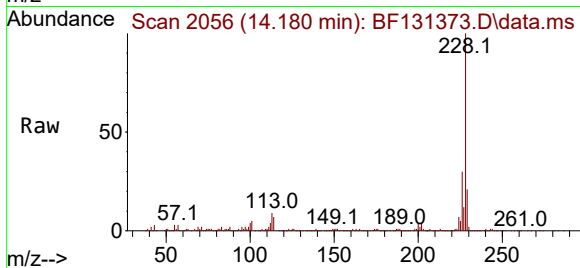
Tgt Ion:228 Resp: 120651

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

229 21.3 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.119 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.000 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

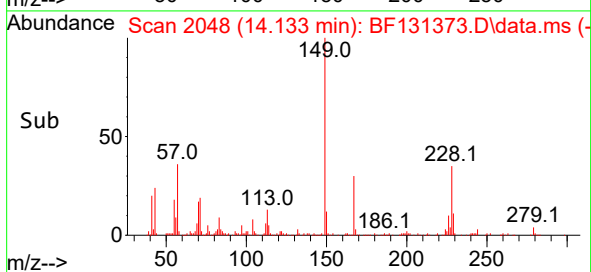
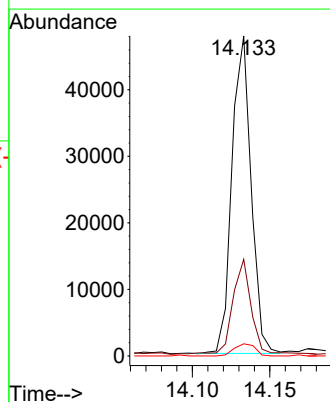
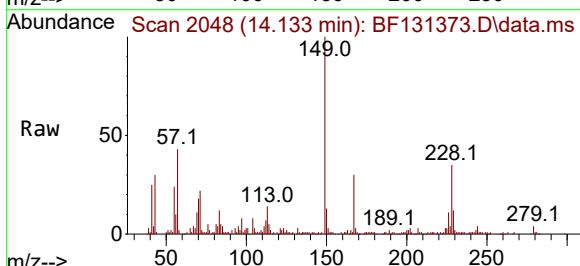
Tgt Ion:149 Resp: 41011

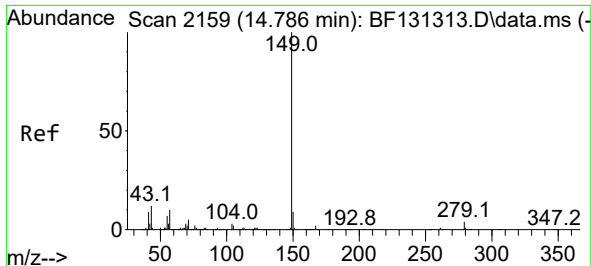
Ion Ratio Lower Upper

149 100

167 30.2 21.9 32.9

279 3.8 3.0 4.4

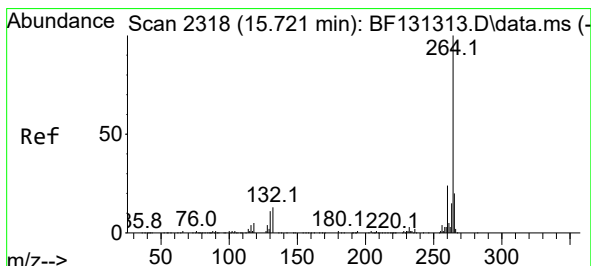
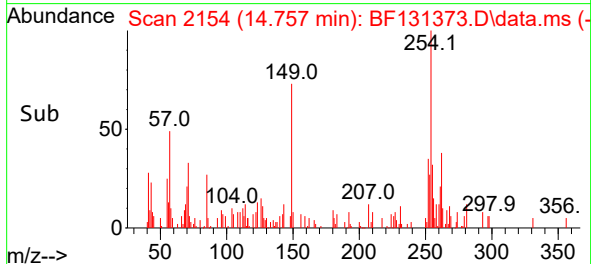
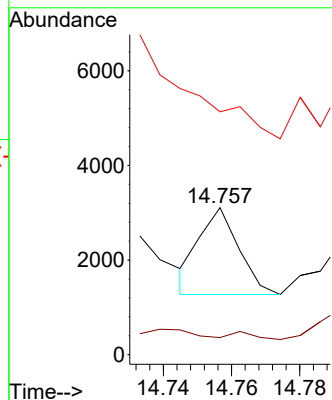
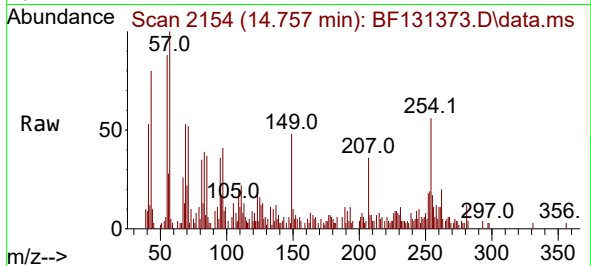




#85
Di-n-octyl phthalate
Concen: 4.039 ng
RT: 14.757 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

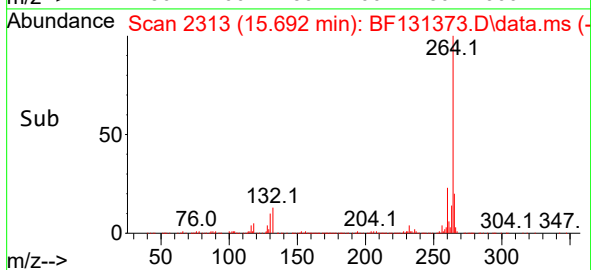
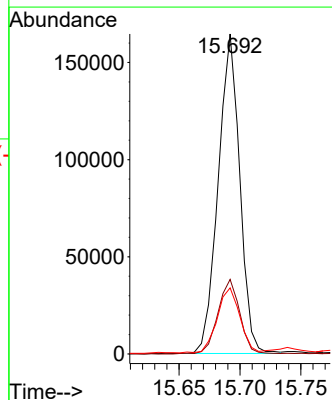
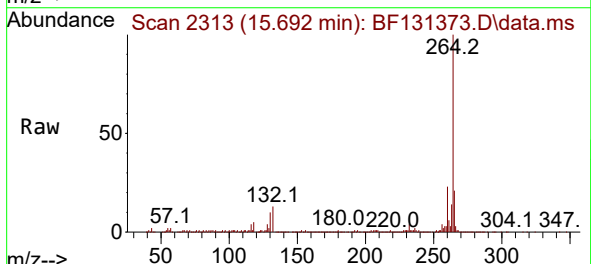
Instrument :
BNA_F
ClientSampleId :
72-11986

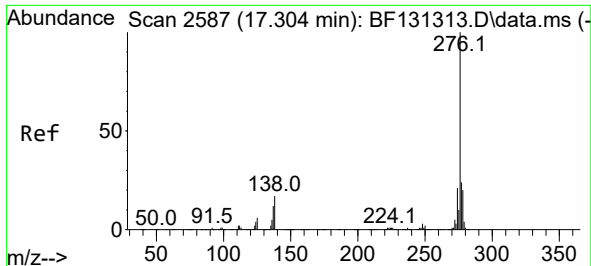
Tgt Ion:149 Resp: 1474
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.692 min Scan# 2313
Delta R.T. -0.000 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

Tgt Ion:264 Resp: 202621
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.4
265 20.6 16.4 24.6

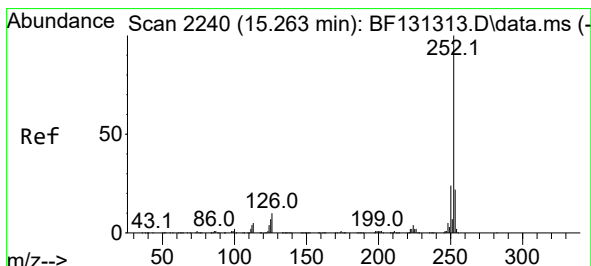
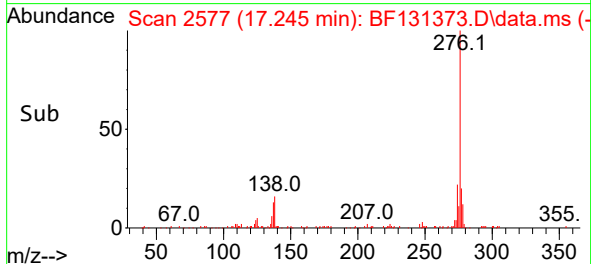
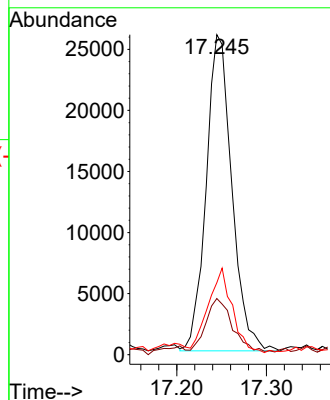
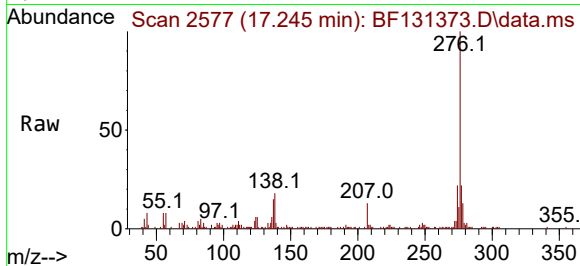




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.782 ng
 RT: 17.245 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

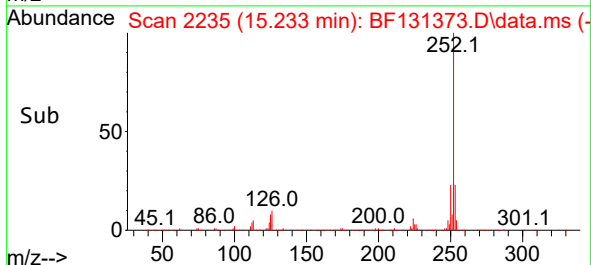
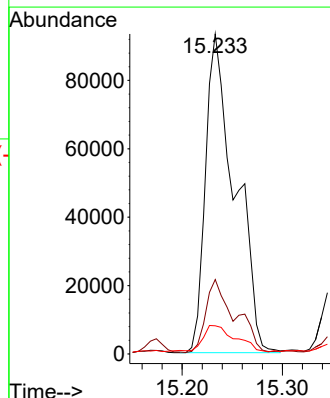
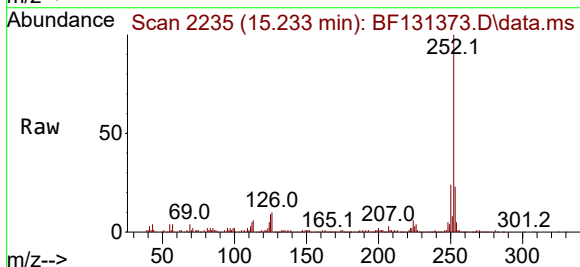
Instrument :
 BNA_F
 ClientSampleId :
 72-11986

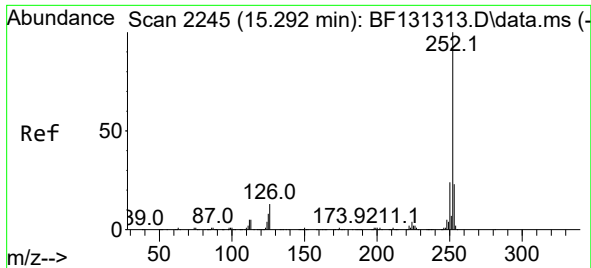
Tgt Ion:276 Resp: 51470
 Ion Ratio Lower Upper
 276 100
 138 18.9 15.8 23.6
 277 24.9 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 14.207 ng
 RT: 15.233 min Scan# 2235
 Delta R.T. -0.006 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

Tgt Ion:252 Resp: 191228
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.5 26.3
 125 8.8 5.8 8.6#

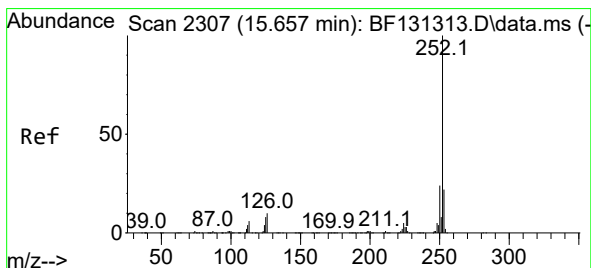
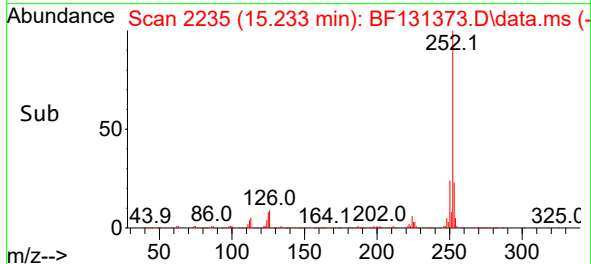
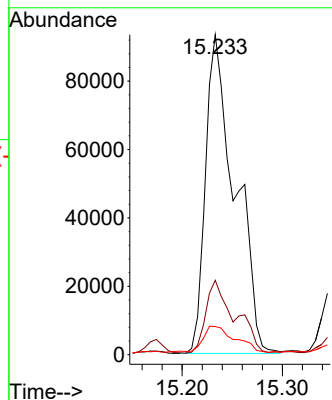
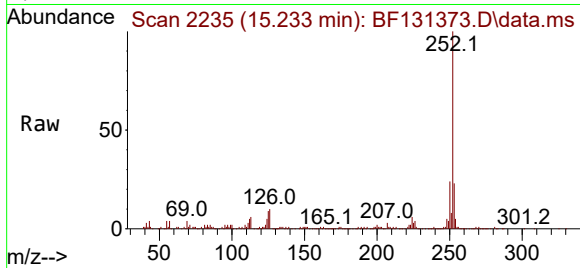




#89
Benzo(k)fluoranthene
Concen: 13.824 ng
RT: 15.233 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

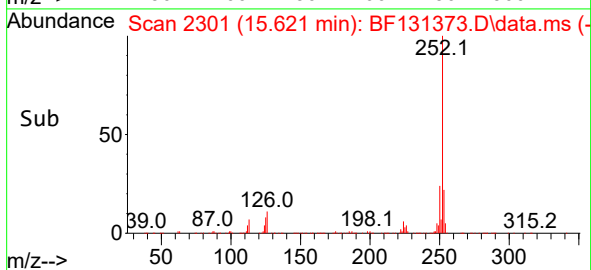
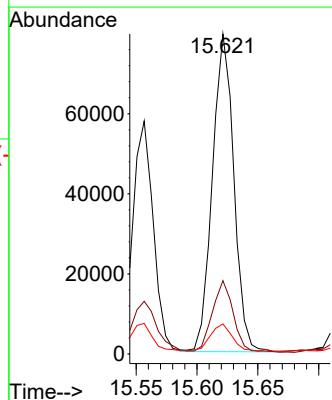
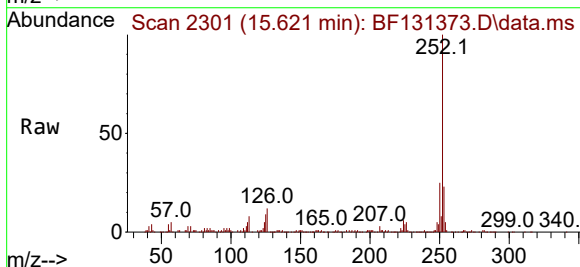
Instrument :
BNA_F
ClientSampleId :
72-11986

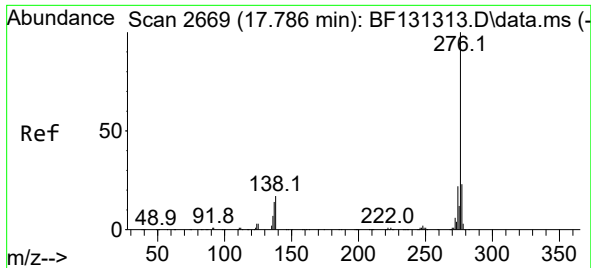
Tgt Ion:252 Resp: 191228
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 8.8 6.6 10.0



#90
Benzo(a)pyrene
Concen: 8.799 ng
RT: 15.621 min Scan# 2301
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

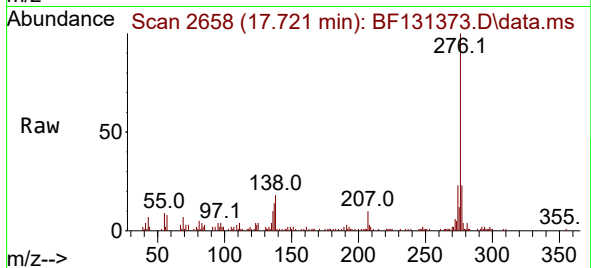
Tgt Ion:252 Resp: 97181
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 9.4 6.1 9.1#





#92
 Benzo(g,h,i)perylene
 Concen: 4.414 ng
 RT: 17.721 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

Instrument :
 BNA_F
 ClientSampleId :
 72-11986



Tgt Ion:276 Resp: 49493
 Ion Ratio Lower Upper
 276 100
 277 22.7 18.3 27.5
 138 18.2 13.8 20.6

