

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131443.D
 Acq On : 28 Nov 2022 22:37
 Operator : CG\JU
 Sample : N5752-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-13S

Quant Time: Nov 29 01:00:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:18:36 2022
 Response via : Initial Calibration

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

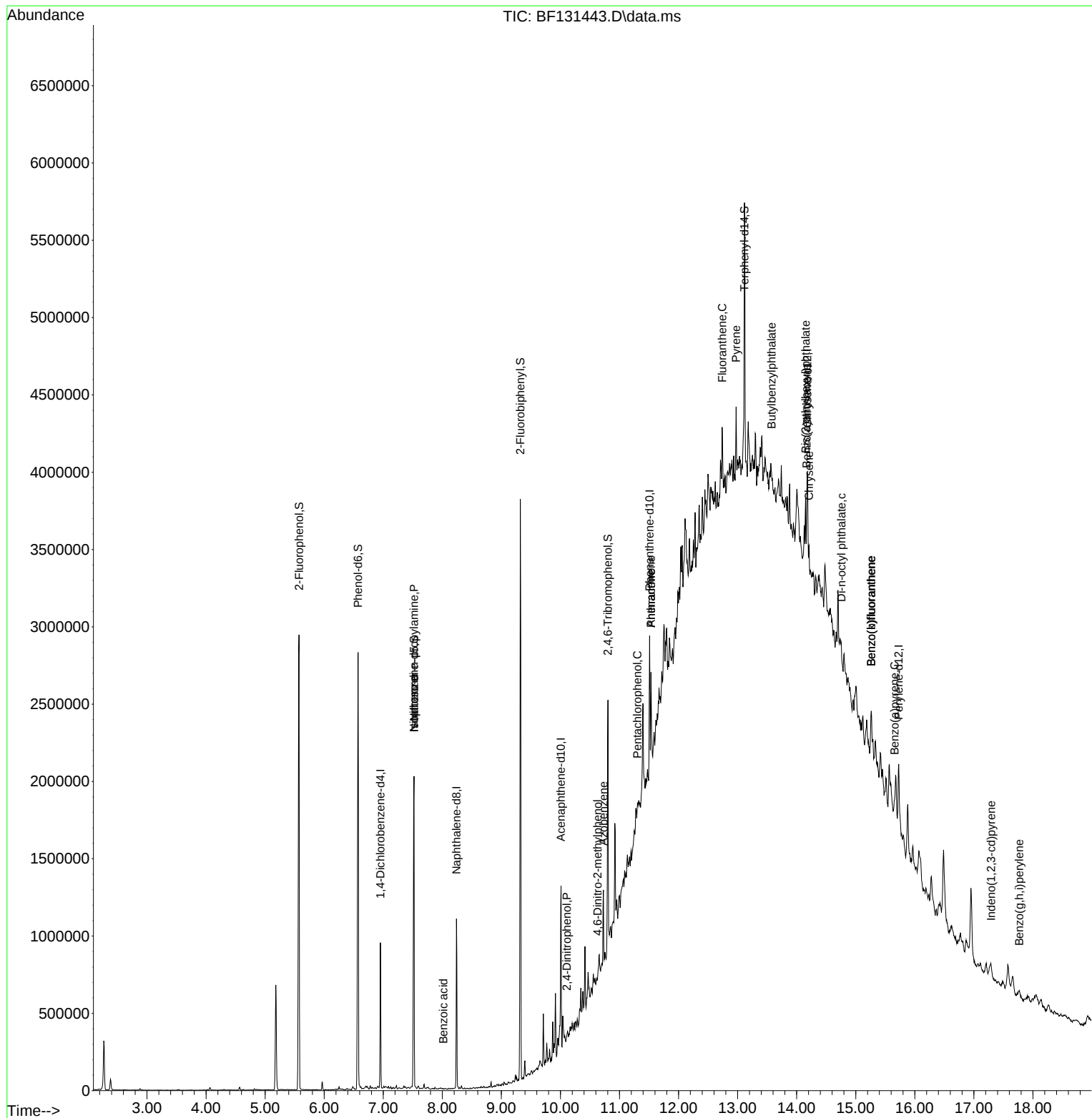
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	127132	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	438261	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	210539	20.000	ng	0.00
64) Phenanthrene-d10	11.510	188	283687	20.000	ng	# 0.00
76) Chrysene-d12	14.180	240	211437	20.000	ng	# 0.01
86) Perylene-d12	15.727	264	213660	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	844555	126.433	ng	0.02
7) Phenol-d6	6.575	99	1051183	123.339	ng	0.00
23) Nitrobenzene-d5	7.522	82	672394	77.338	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	206681	116.685	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1156870	79.939	ng	0.00
79) Terphenyl-d14	13.116	244	841871	65.111	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	512	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.522	70	91834	14.719	ng	# 69
25) Isophorone	7.522	82	672638	43.365	ng	# 68
32) Benzoic acid	8.016	122	54	5.143	ng	# 80
54) 2,4-Dinitrophenol	10.110	184	69	4.963	ng	# 1
63) Azobenzene	10.728	77	97726	6.562	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.628	198	407	4.948	ng	# 1
70) Pentachlorophenol	11.304	266	279	5.001	ng	# 11
71) Phenanthrene	11.533	178	214621	13.999	ng	97
72) Anthracene	11.533	178	214621	14.244	ng	96
75) Fluoranthene	12.739	202	172036	10.649	ng	92
78) Pyrene	12.974	202	224337	12.026	ng	# 95
80) Butylbenzylphthalate	13.574	149	5251	4.908	ng	# 17
81) Benzo(a)anthracene	14.168	228	94498	6.520	ng	# 89
83) Chrysene	14.210	228	95288	6.701	ng	# 90
84) Bis(2-ethylhexyl)phtha...	14.151	149	143699	19.655	ng	# 94
85) Di-n-octyl phthalate	14.757	149	5991	4.480	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.292	276	41901	2.920	ng	96
88) Benzo(b)fluoranthene	15.263	252	129559	9.128	ng	# 71
89) Benzo(k)fluoranthene	15.263	252	129559	8.882	ng	# 71
90) Benzo(a)pyrene	15.657	252	76406	6.560	ng	# 75
92) Benzo(g,h,i)perylene	17.768	276	44730	3.783	ng	# 86

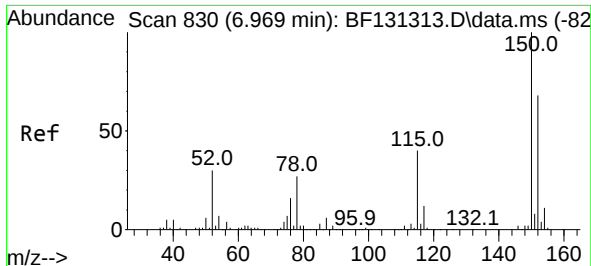
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Time: Nov 29 01:00:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:18:36 2022
Response via : Initial Calibration

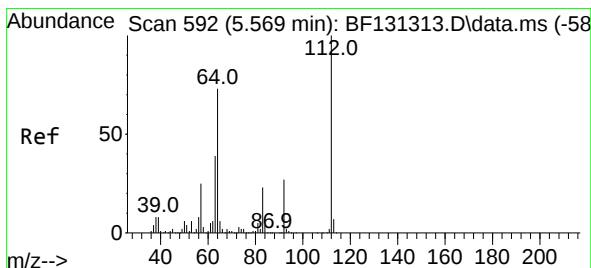
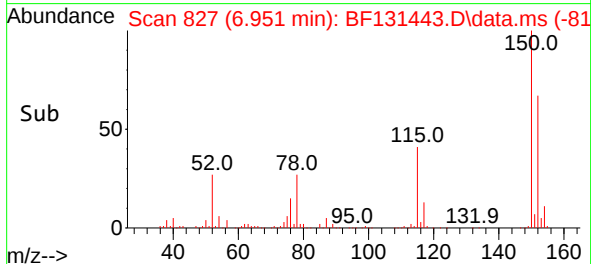
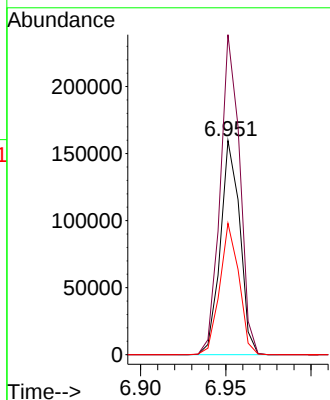
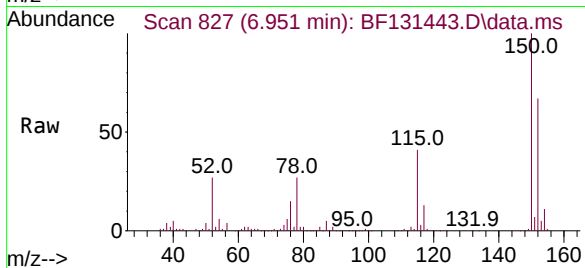




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.951 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF131443.D
 Acq: 28 Nov 2022 22:37

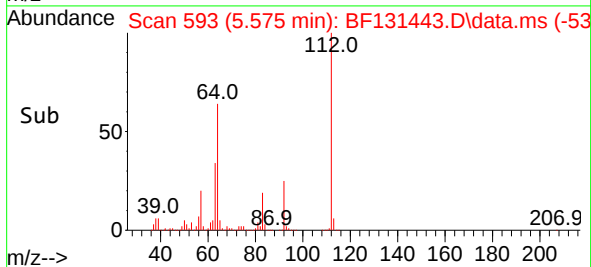
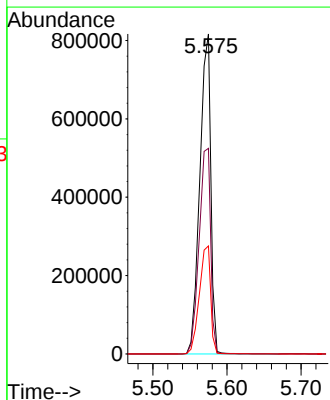
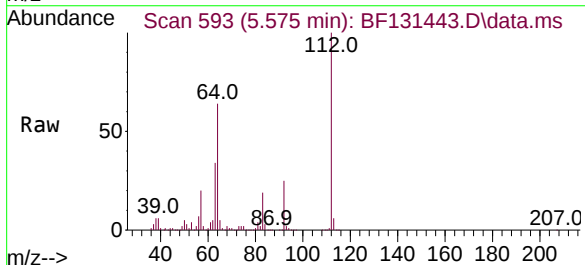
Instrument :
 BNA_F
 ClientSampleId :
 B-13S

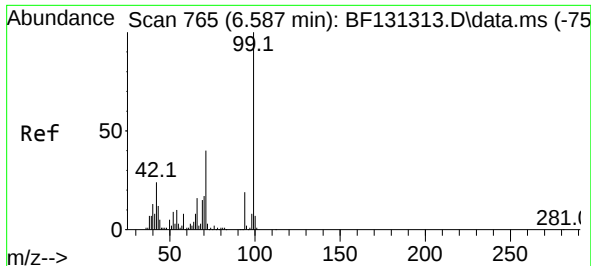
Tgt Ion:152 Resp: 127132
 Ion Ratio Lower Upper
 152 100
 150 149.4 117.8 176.8
 115 61.4 47.1 70.7



#5
 2-Fluorophenol
 Concen: 126.433 ng
 RT: 5.575 min Scan# 593
 Delta R.T. 0.018 min
 Lab File: BF131443.D
 Acq: 28 Nov 2022 22:37

Tgt Ion:112 Resp: 844555
 Ion Ratio Lower Upper
 112 100
 64 64.2 58.6 88.0
 63 33.8 31.4 47.0

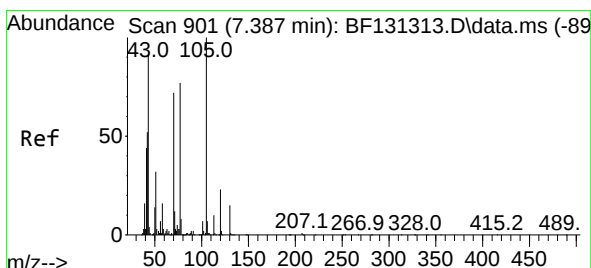
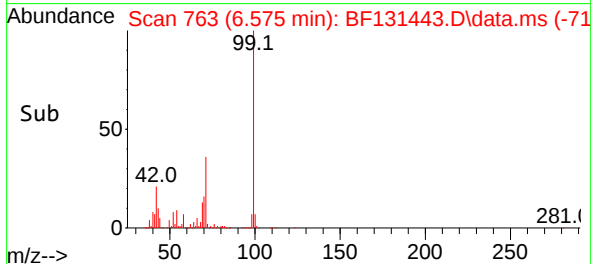
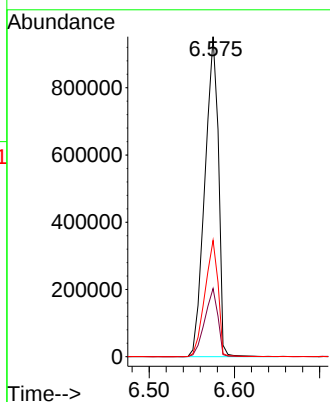
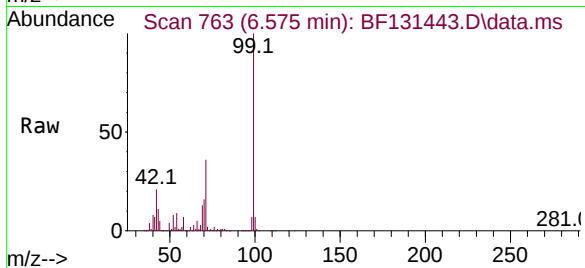




#7
Phenol-d6
Concen: 123.339 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

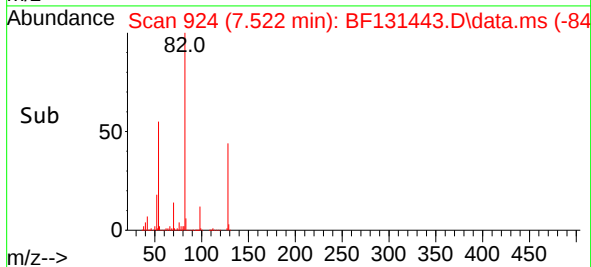
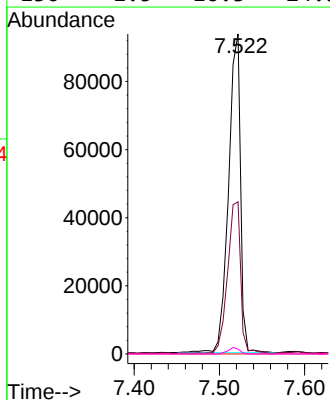
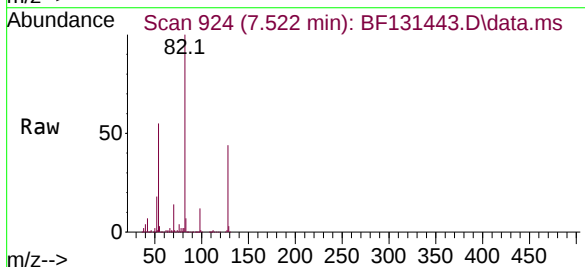
Instrument :
BNA_F
ClientSampleId :
B-13S

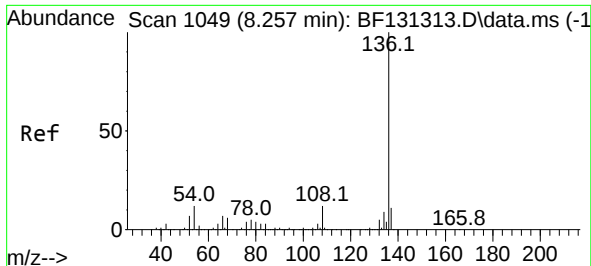
Tgt Ion: 99 Resp: 1051183
Ion Ratio Lower Upper
99 100
42 21.3 19.4 29.2
71 36.3 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.719 ng
RT: 7.522 min Scan# 924
Delta R.T. 0.153 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion: 70 Resp: 91834
Ion Ratio Lower Upper
70 100
42 47.5 57.6 86.4#
101 0.0 8.2 12.2#
130 1.5 16.3 24.5#



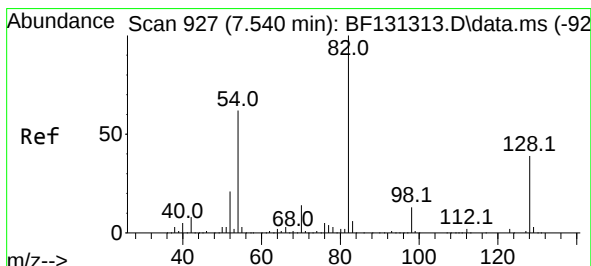
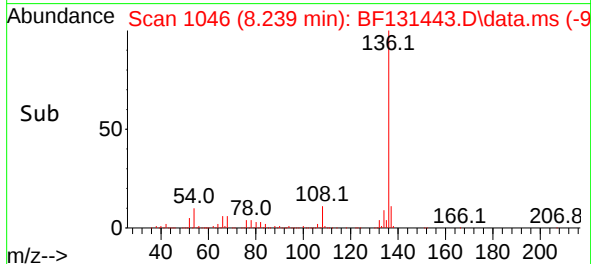
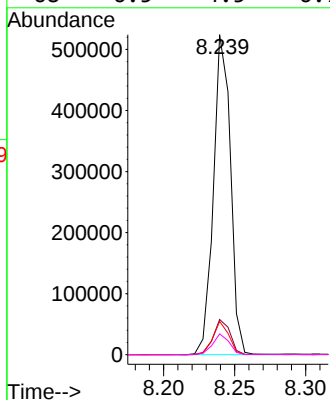
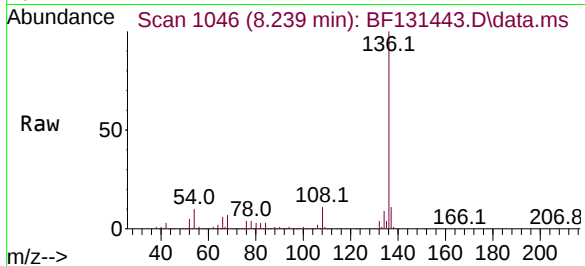


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Instrument :
BNA_F
ClientSampleId :
B-13S

Tgt Ion:136 Resp: 438261

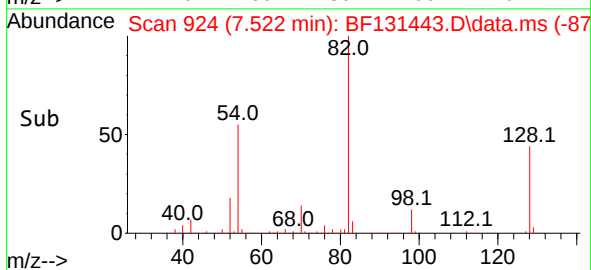
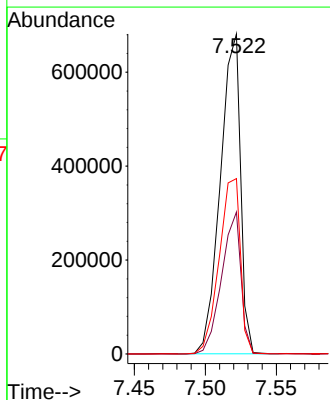
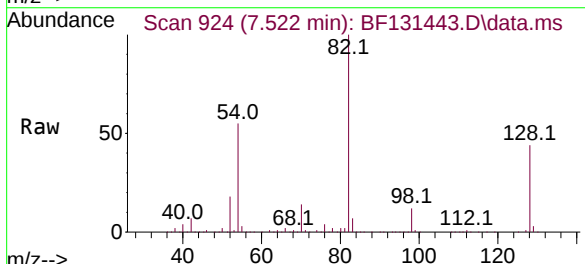
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	10.4	9.4	14.0
68	6.5	4.5	6.7

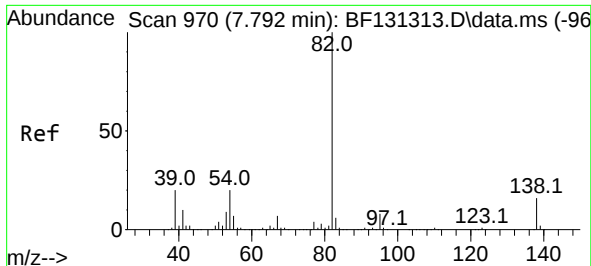


#23
Nitrobenzene-d5
Concen: 77.338 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.006 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion: 82 Resp: 672394

Ion	Ratio	Lower	Upper
82	100		
128	44.3	31.4	47.0
54	54.8	49.8	74.6

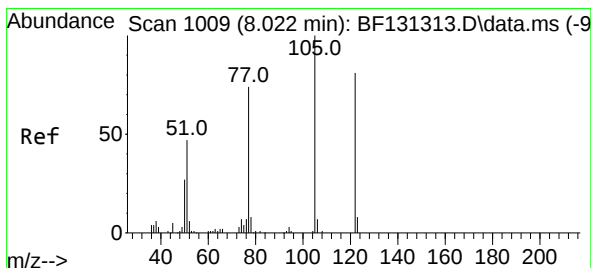
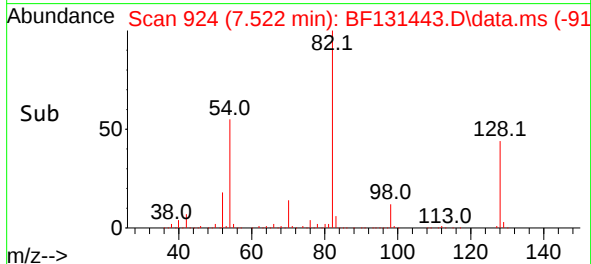
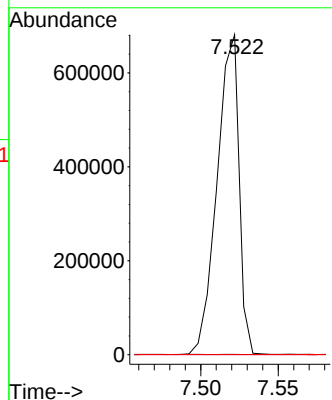
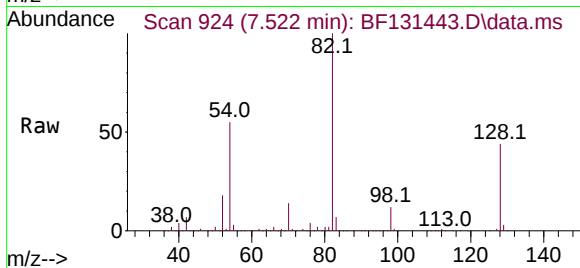




#25
Isophorone
Concen: 43.365 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

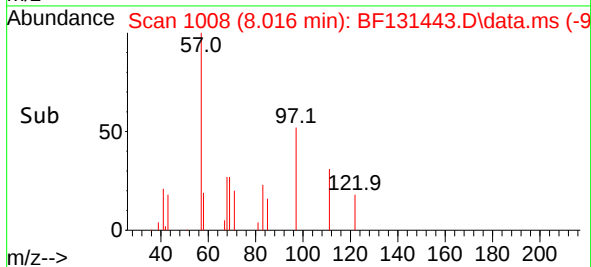
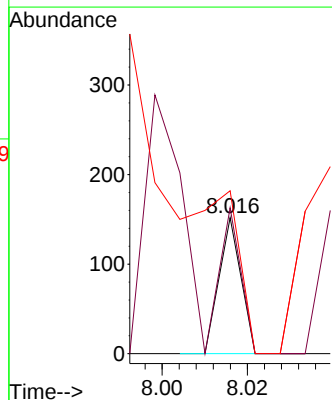
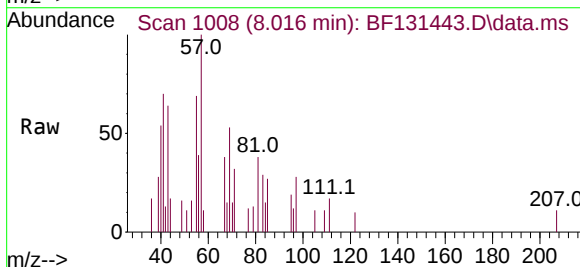
Instrument :
BNA_F
ClientSampleId :
B-13S

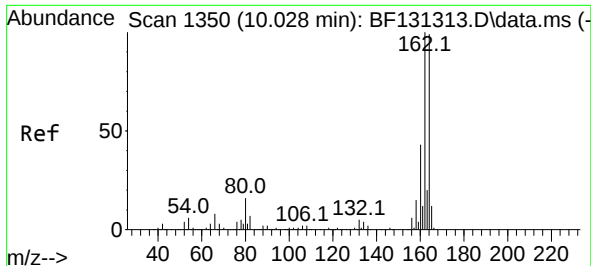
Tgt Ion: 82 Resp: 672638
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.143 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.012 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 107.2 103.8 143.8
77 119.7 74.3 114.3#

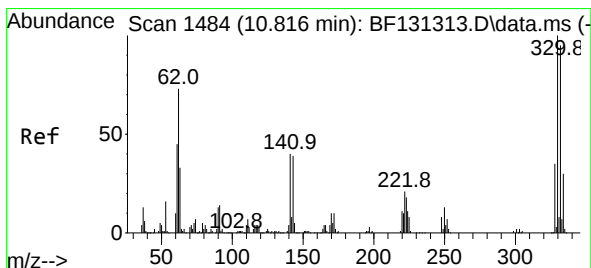
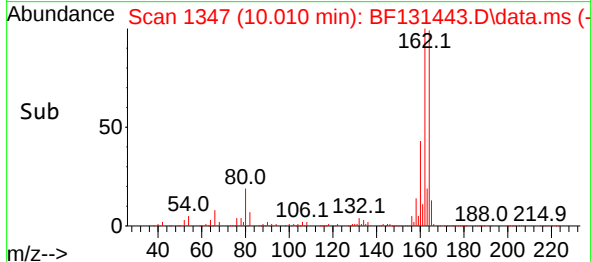
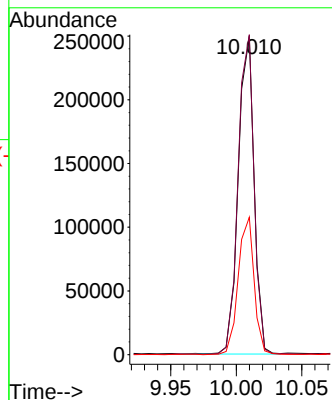
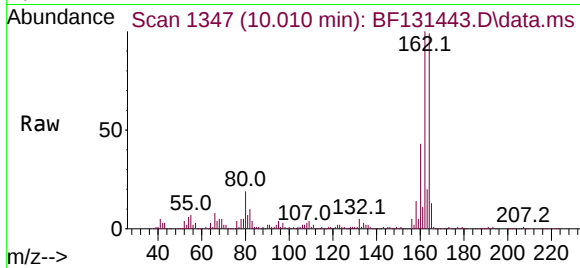




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

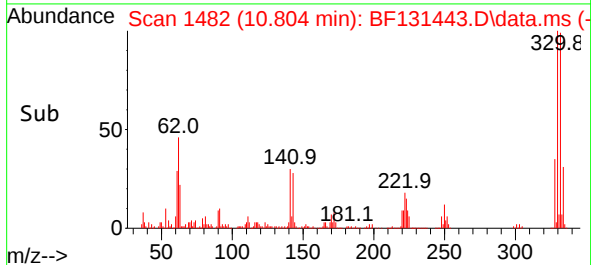
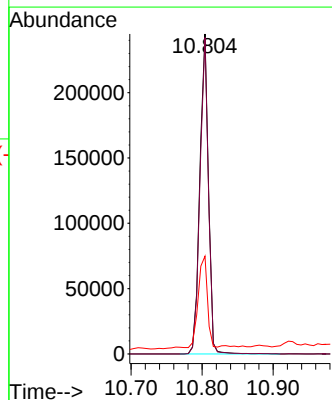
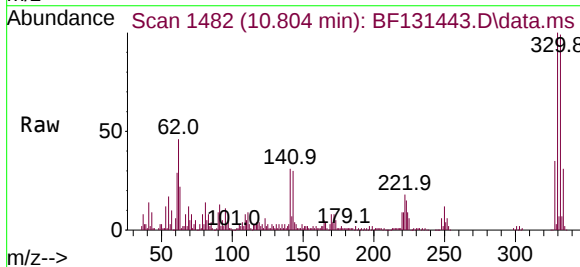
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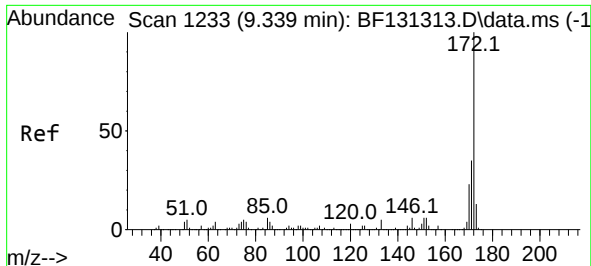
Tgt Ion:164 Resp: 210539
Ion Ratio Lower Upper
164 100
162 100.5 80.6 120.8
160 43.2 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 116.685 ng
RT: 10.804 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion:330 Resp: 206681
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 30.5 29.3 43.9

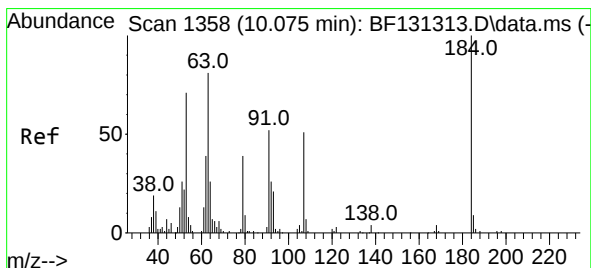
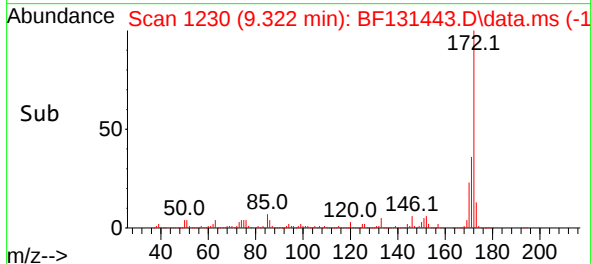
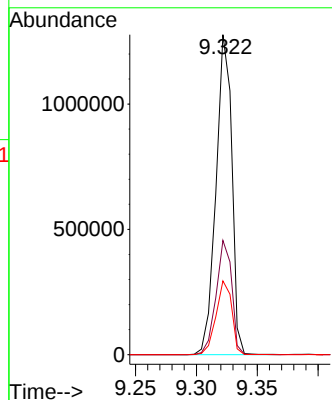
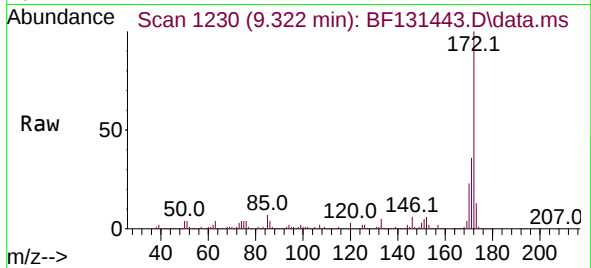




#45
2-Fluorobiphenyl
Concen: 79.939 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

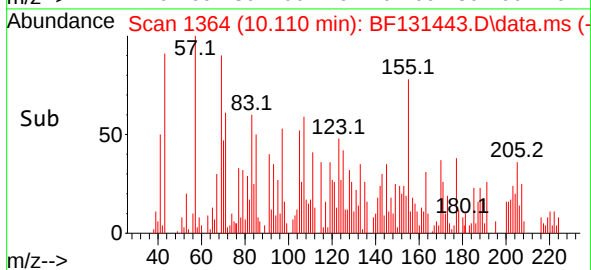
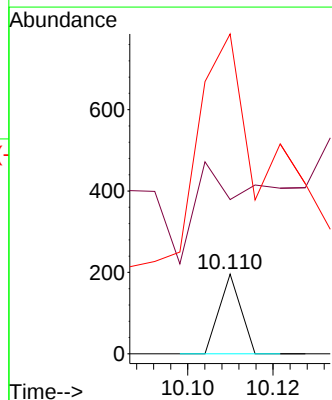
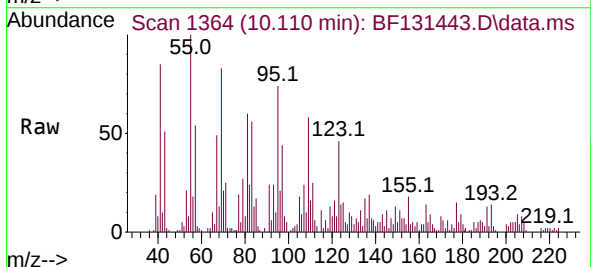
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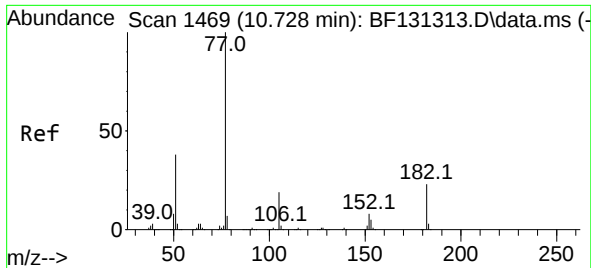
Tgt Ion:172 Resp: 1156870
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.0 18.7 28.1



#54
2,4-Dinitrophenol
Concen: 4.963 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.047 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 193.4 72.1 108.1#
154 401.0 56.3 84.5#

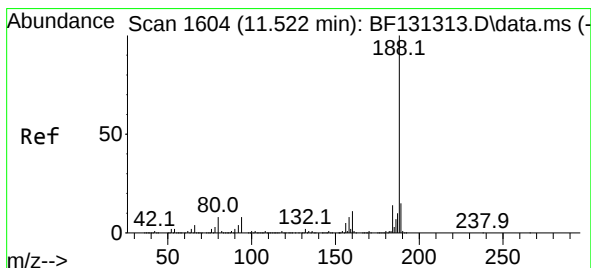
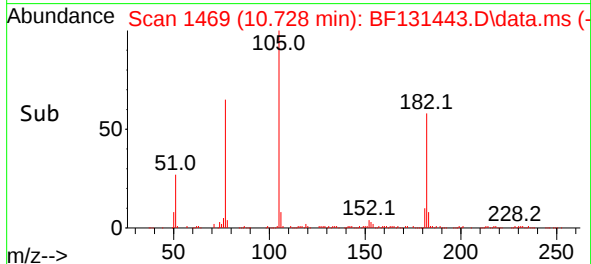
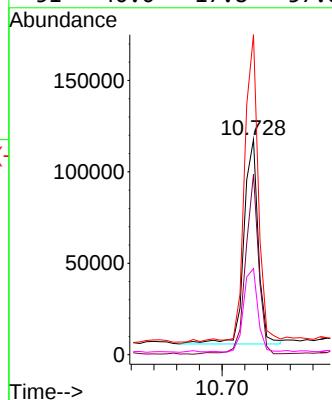
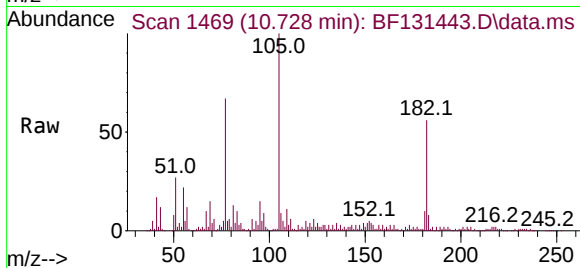




#63
Azobenzene
Concen: 6.562 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.012 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

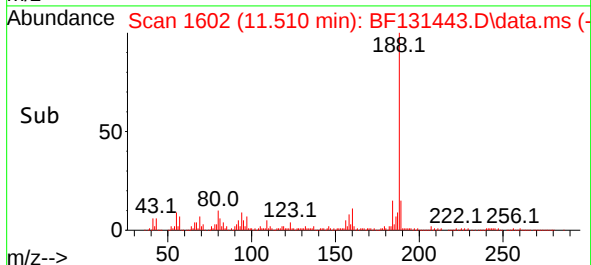
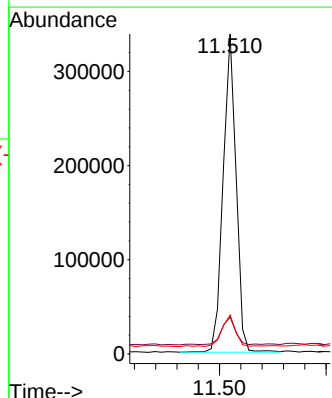
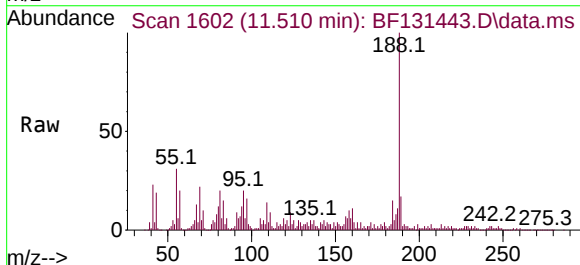
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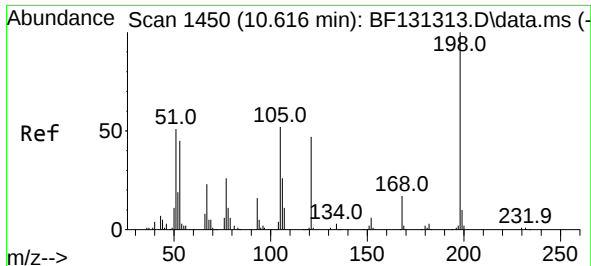
Tgt Ion:	77	Resp:	97726
Ion	Ratio	Lower	Upper
77	100		
182	83.9	3.1	43.1#
105	148.6	0.0	39.2#
51	40.0	17.8	57.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.510 min Scan# 1602
Delta R.T. 0.006 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion:	188	Resp:	283687
Ion	Ratio	Lower	Upper
188	100		
94	11.5	6.3	9.5#
80	12.1	6.8	10.2#

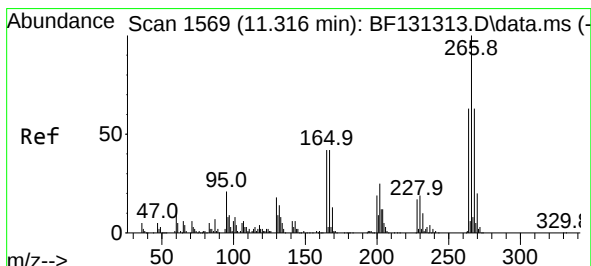
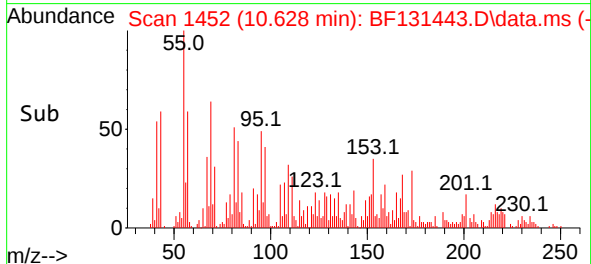
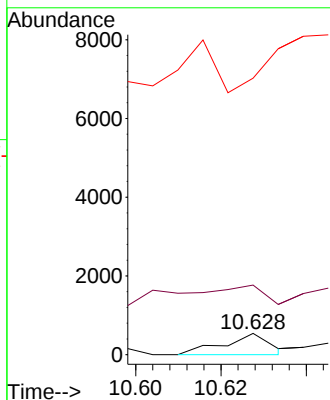
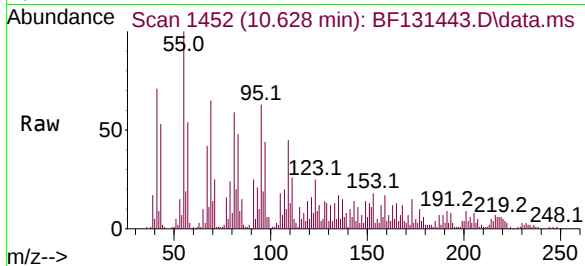




#65
4,6-Dinitro-2-methylphenol
Concen: 4.948 ng
RT: 10.628 min Scan# 1450
Delta R.T. 0.023 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

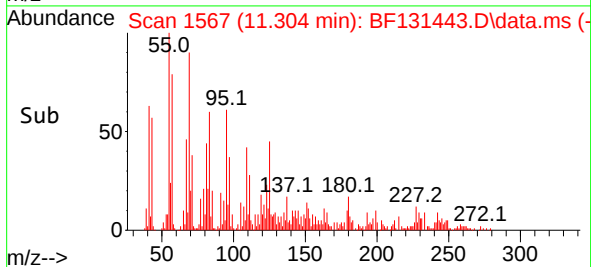
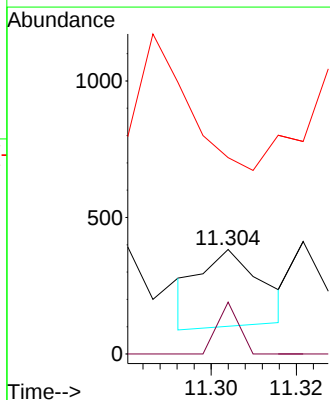
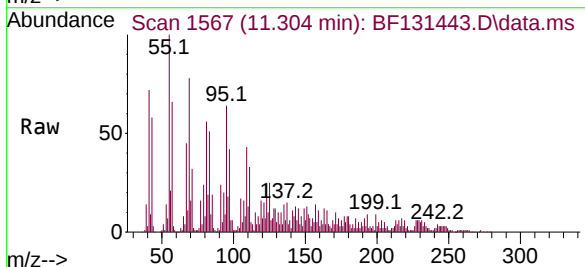
Instrument :
BNA_F
ClientSampleId :
B-13S

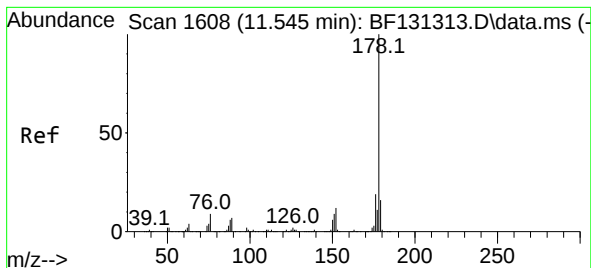
Tgt Ion:198 Resp: 407
Ion Ratio Lower Upper
198 100
51 327.6 50.1 90.1#
105 1300.4 32.5 72.5#



#70
Pentachlorophenol
Concen: 5.001 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion:266 Resp: 279
Ion Ratio Lower Upper
266 100
268 49.6 50.6 75.8#
264 187.7 50.4 75.6#





#71

Phenanthrene

Concen: 13.999 ng

RT: 11.533 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

Instrument :

BNA_F

ClientSampleId :

B-13S

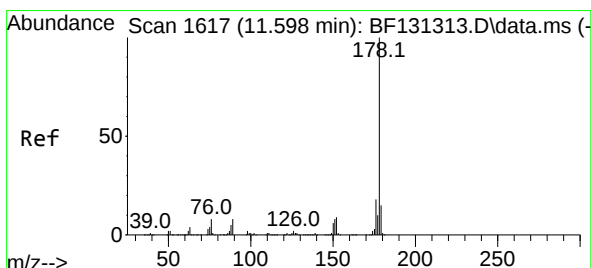
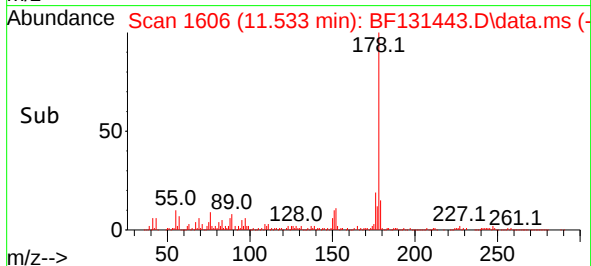
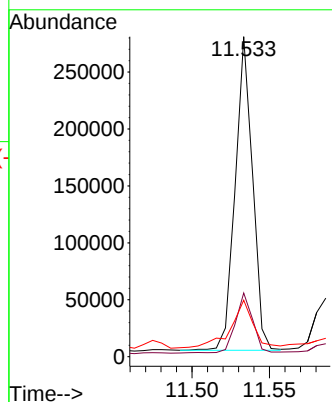
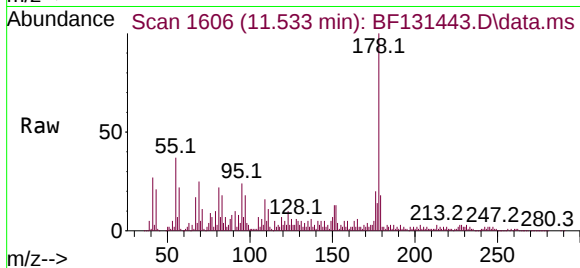
Tgt Ion:178 Resp: 214621

Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

179 17.6 12.4 18.6



#72

Anthracene

Concen: 14.244 ng

RT: 11.533 min Scan# 1606

Delta R.T. -0.053 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

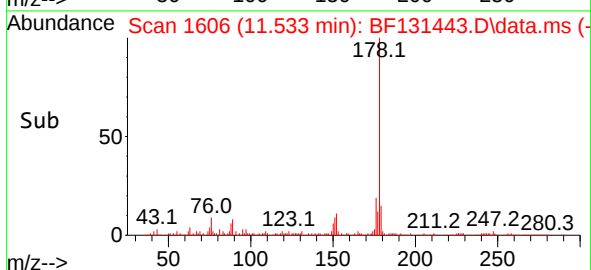
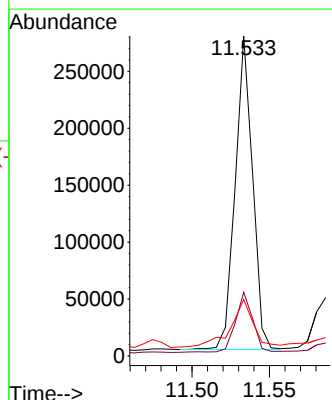
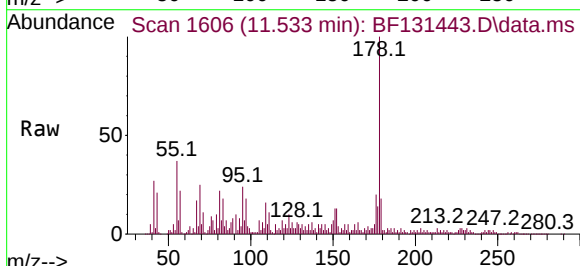
Tgt Ion:178 Resp: 214621

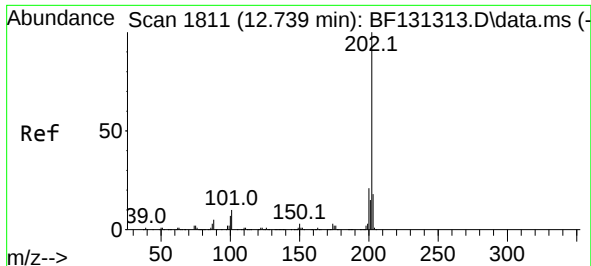
Ion Ratio Lower Upper

178 100

176 19.9 14.7 22.1

179 17.6 12.2 18.4

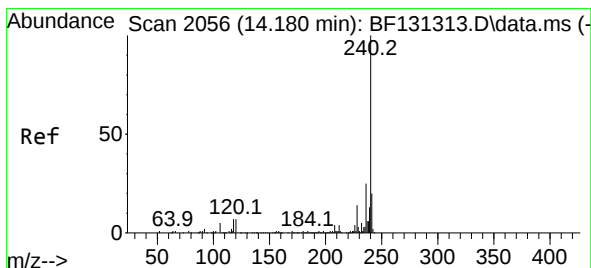
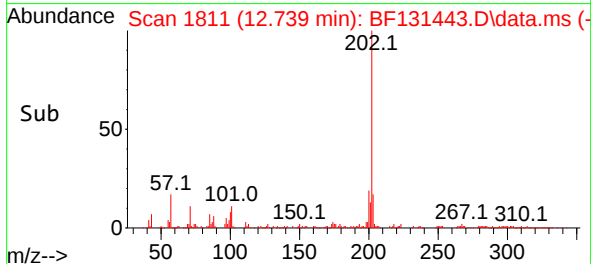
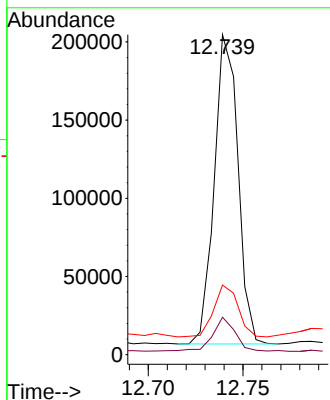
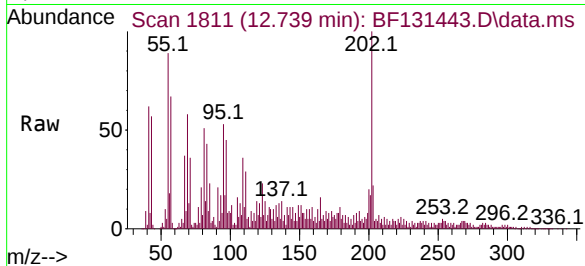




#75
Fluoranthene
Concen: 10.649 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.012 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

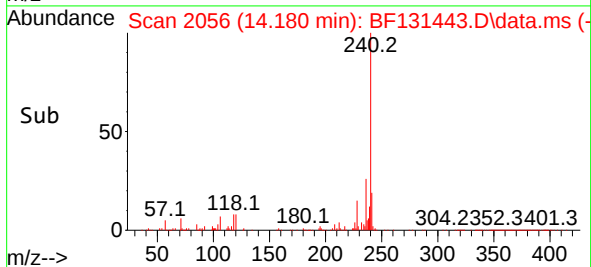
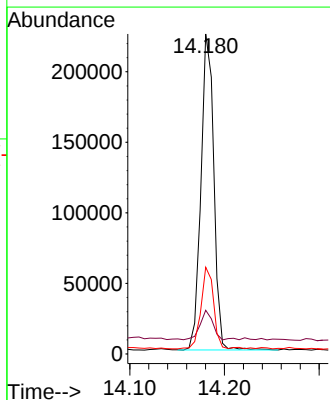
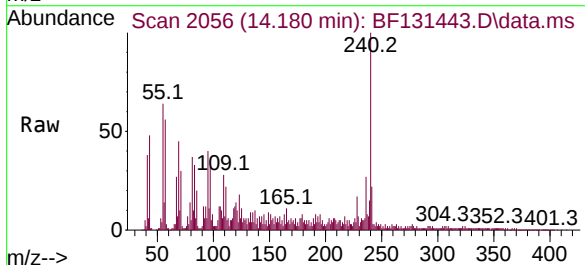
Instrument :
BNA_F
ClientSampleId :
B-13S

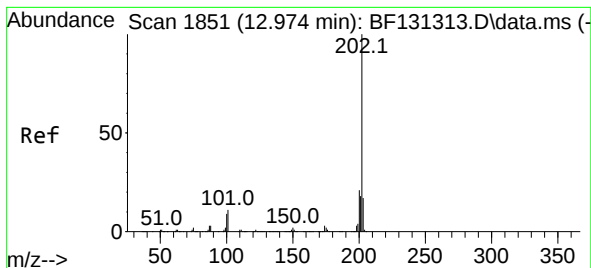
Tgt Ion:202 Resp: 172036
Ion Ratio Lower Upper
202 100
101 11.7 0.0 29.6
203 21.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 2056
Delta R.T. 0.012 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion:240 Resp: 211437
Ion Ratio Lower Upper
240 100
120 13.6 5.8 8.8#
236 27.1 20.3 30.5





#78

Pyrene

Concen: 12.026 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.012 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

Instrument :

BNA_F

ClientSampleId :

B-13S

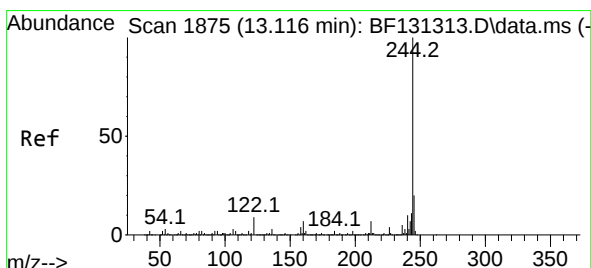
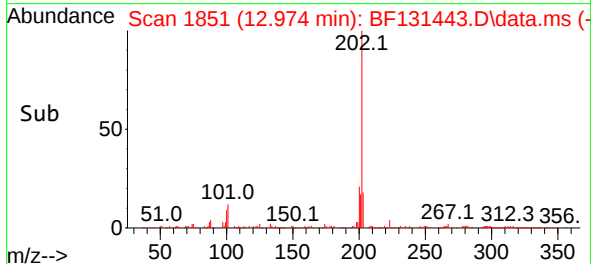
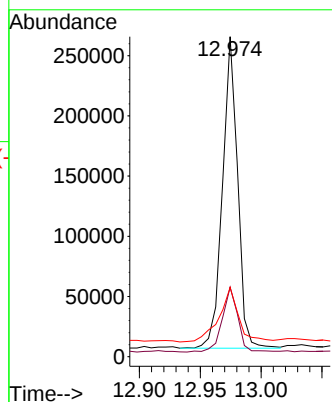
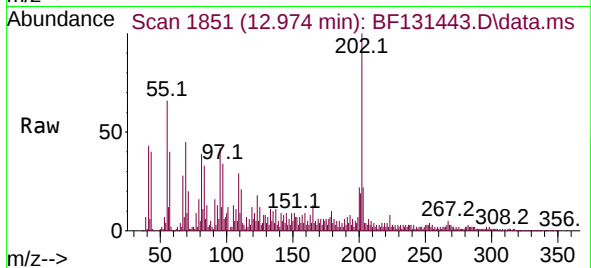
Tgt Ion:202 Resp: 224337

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 21.7 13.9 20.9#



#79

Terphenyl-d14

Concen: 65.111 ng

RT: 13.116 min Scan# 1875

Delta R.T. 0.012 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

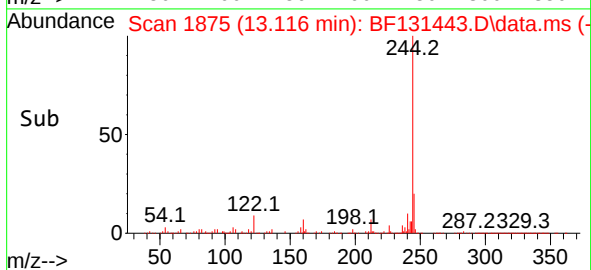
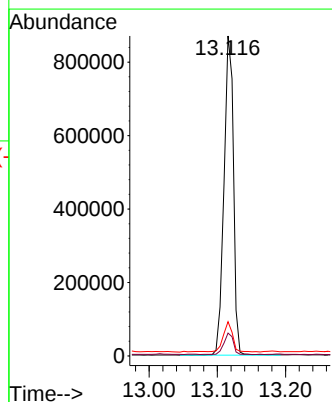
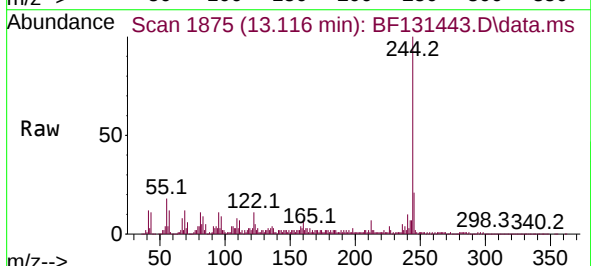
Tgt Ion:244 Resp: 841871

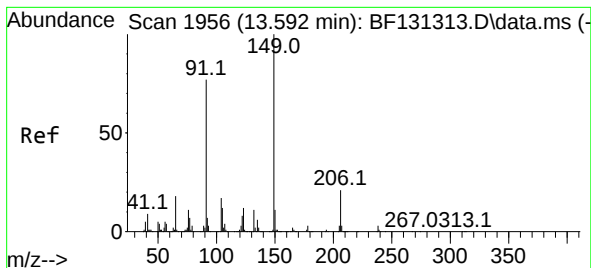
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.7 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.908 ng

RT: 13.574 min Scan# 1956

Delta R.T. -0.006 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

Instrument :

BNA_F

ClientSampleId :

B-13S

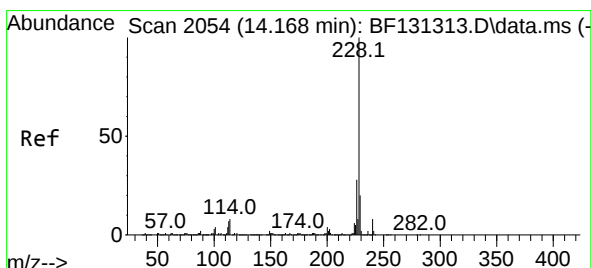
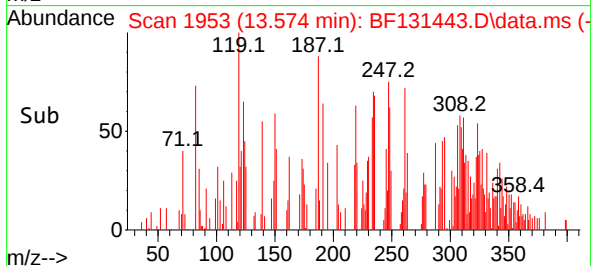
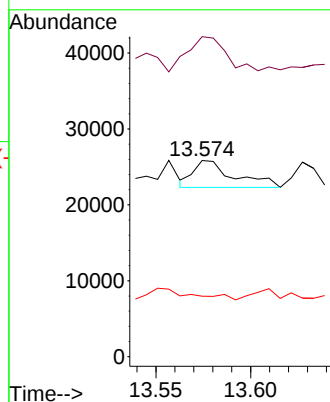
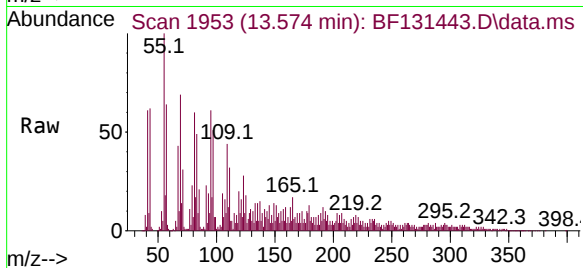
Tgt Ion:149 Resp: 5251

Ion Ratio Lower Upper

149 100

91 163.1 61.9 92.9#

206 30.8 16.5 24.7#



#81

Benzo(a)anthracene

Concen: 6.520 ng

RT: 14.168 min Scan# 2054

Delta R.T. 0.012 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

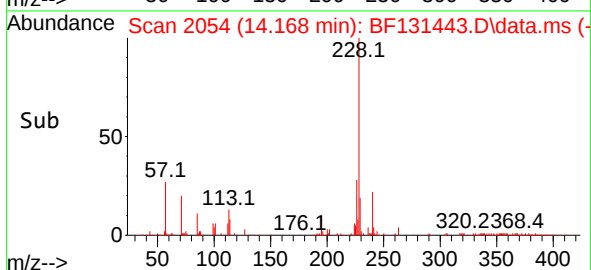
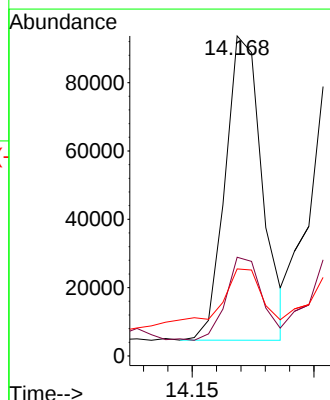
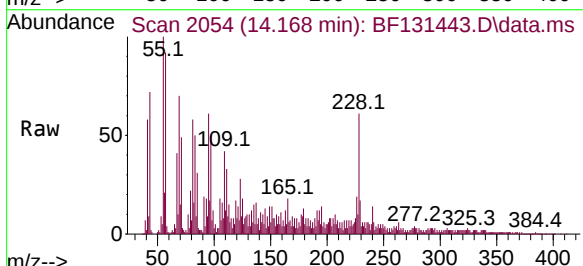
Tgt Ion:228 Resp: 94498

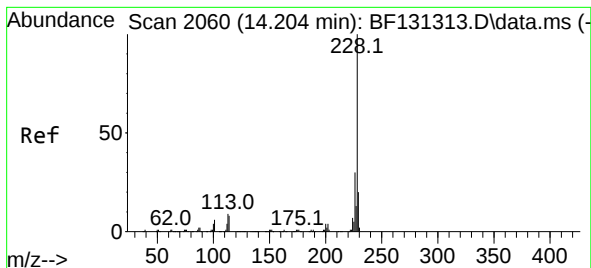
Ion Ratio Lower Upper

228 100

226 30.9 22.0 33.0

229 27.2 15.7 23.5#





#83

Chrysene

Concen: 6.701 ng

RT: 14.210 min Scan# 2061

Delta R.T. 0.018 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

Instrument :

BNA_F

ClientSampleId :

B-13S

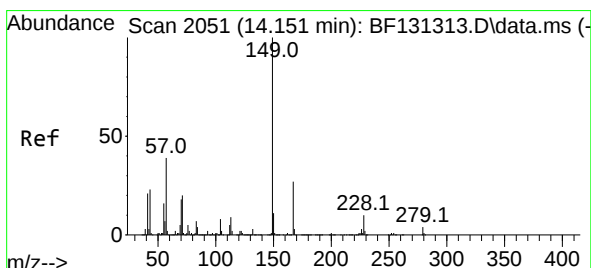
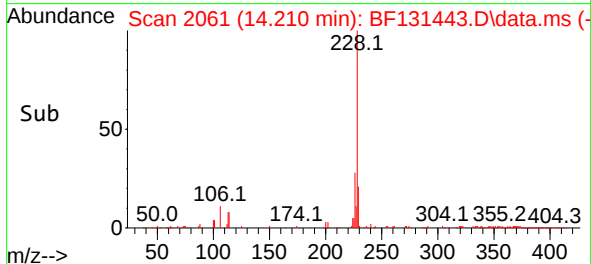
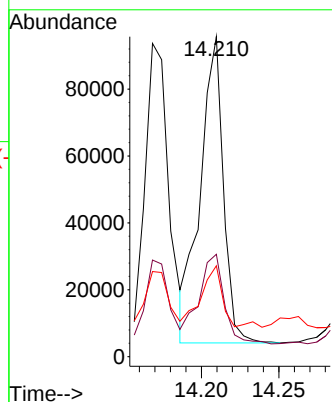
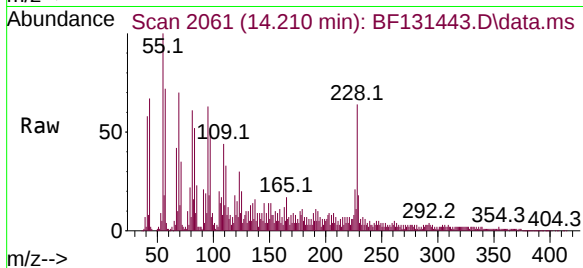
Tgt Ion:228 Resp: 95288

Ion Ratio Lower Upper

228 100

226 32.0 23.7 35.5

229 28.4 16.2 24.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 19.655 ng

RT: 14.151 min Scan# 2051

Delta R.T. 0.012 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

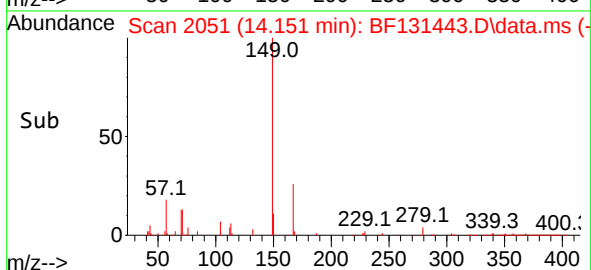
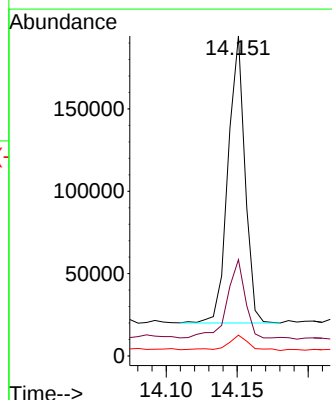
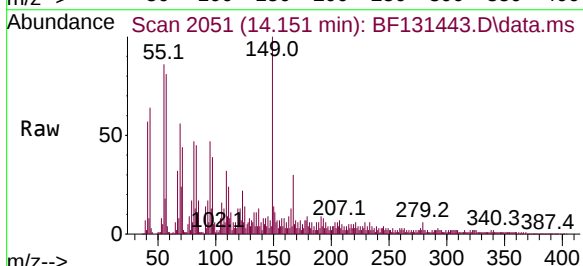
Tgt Ion:149 Resp: 143699

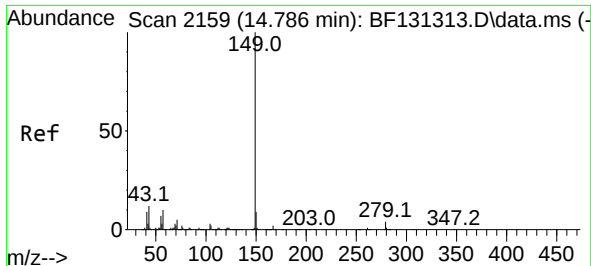
Ion Ratio Lower Upper

149 100

167 30.1 21.9 32.9

279 6.5 3.0 4.4#

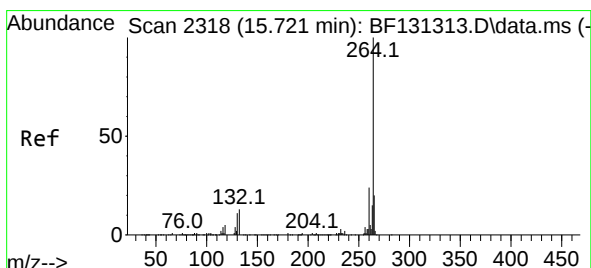
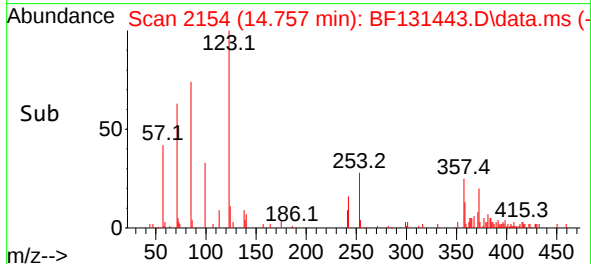
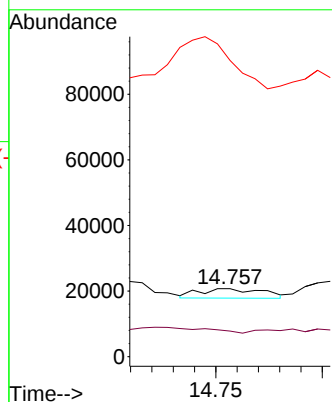
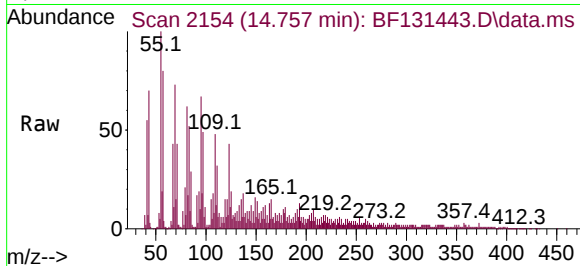




#85
Di-n-octyl phthalate
Concen: 4.480 ng
RT: 14.757 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

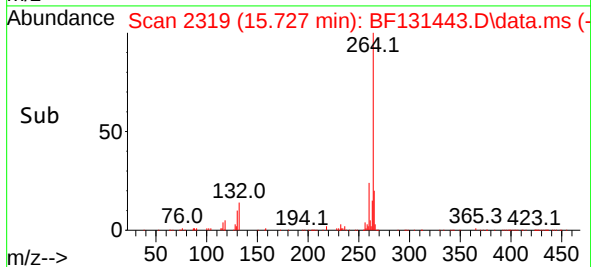
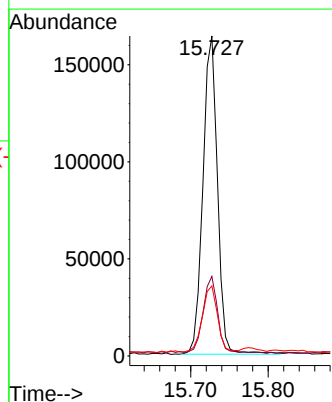
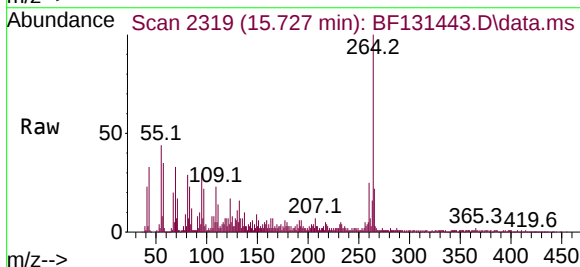
Instrument :
BNA_F
ClientSampleId :
B-13S

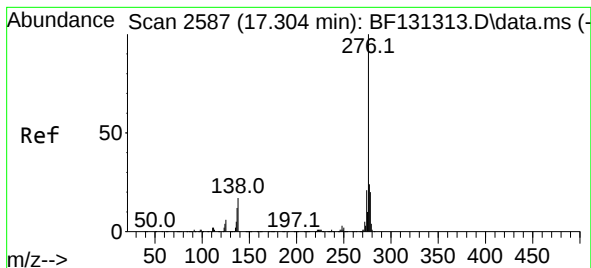
Tgt Ion:149 Resp: 5991
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 503.3 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.727 min Scan# 2319
Delta R.T. 0.029 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion:264 Resp: 213660
Ion Ratio Lower Upper
264 100
260 24.8 19.0 28.4
265 21.9 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.920 ng

RT: 17.292 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

Instrument :

BNA_F

ClientSampleId :

B-13S

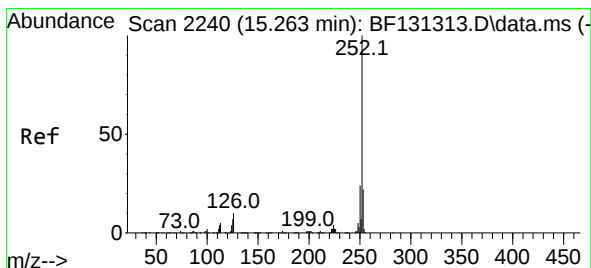
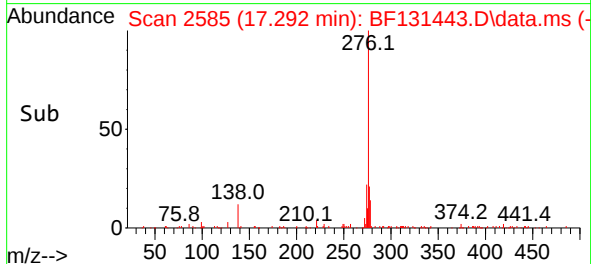
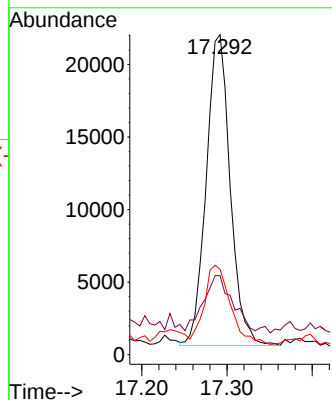
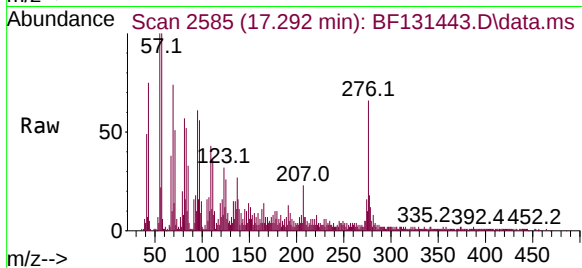
Tgt Ion:276 Resp: 41901

Ion Ratio Lower Upper

276 100

138 20.8 15.8 23.6

277 27.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.128 ng

RT: 15.263 min Scan# 2240

Delta R.T. 0.018 min

Lab File: BF131443.D

Acq: 28 Nov 2022 22:37

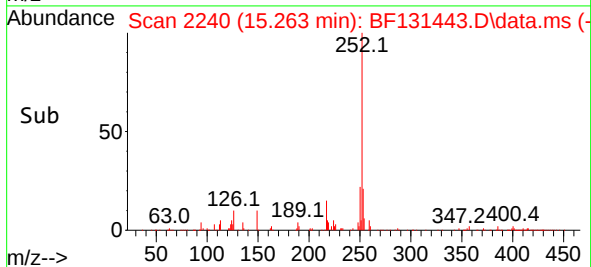
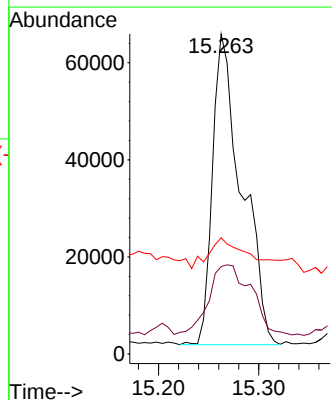
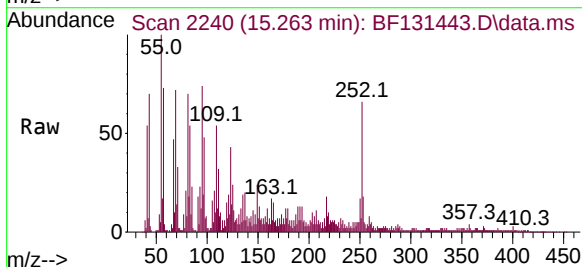
Tgt Ion:252 Resp: 129559

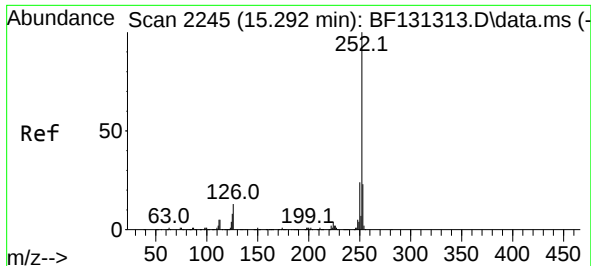
Ion Ratio Lower Upper

252 100

253 27.3 17.5 26.3#

125 36.3 5.8 8.6#

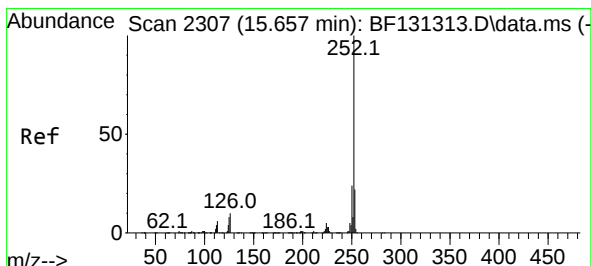
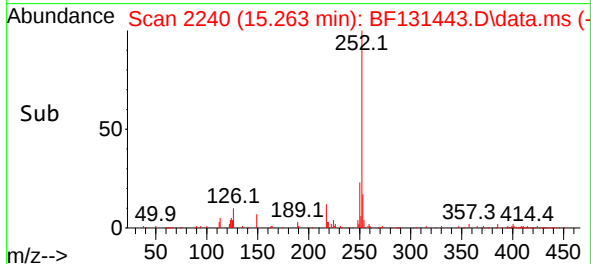
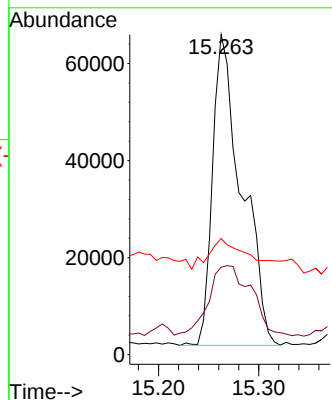
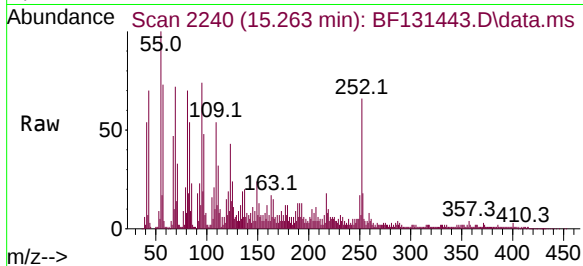




#89
Benzo(k)fluoranthene
Concen: 8.882 ng
RT: 15.263 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

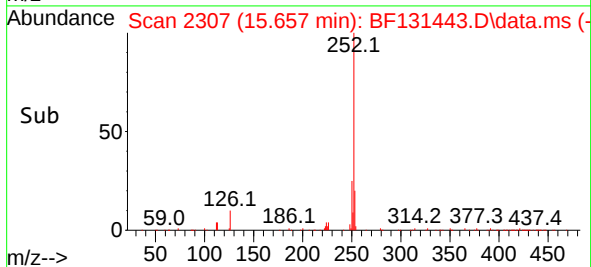
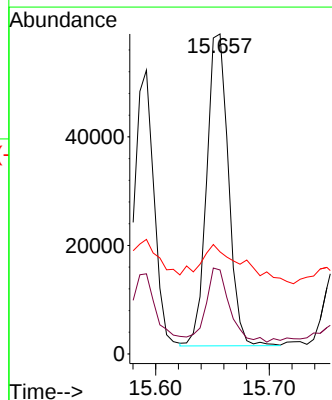
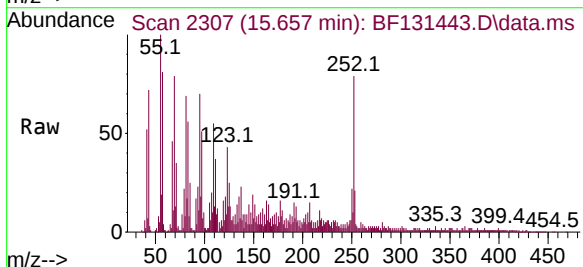
Instrument :
BNA_F
ClientSampleId :
B-13S

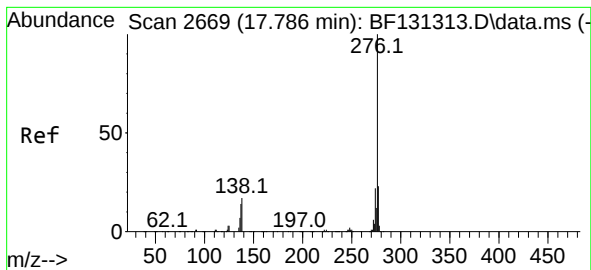
Tgt Ion:252 Resp: 129559
Ion Ratio Lower Upper
252 100
253 27.3 17.9 26.9#
125 36.3 6.6 10.0#



#90
Benzo(a)pyrene
Concen: 6.560 ng
RT: 15.657 min Scan# 2307
Delta R.T. 0.018 min
Lab File: BF131443.D
Acq: 28 Nov 2022 22:37

Tgt Ion:252 Resp: 76406
Ion Ratio Lower Upper
252 100
253 26.3 17.5 26.3
125 31.9 6.1 9.1#





#92

Benzo(g,h,i)perylene

Concen: 3.783 ng

RT: 17.768 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF131443.D

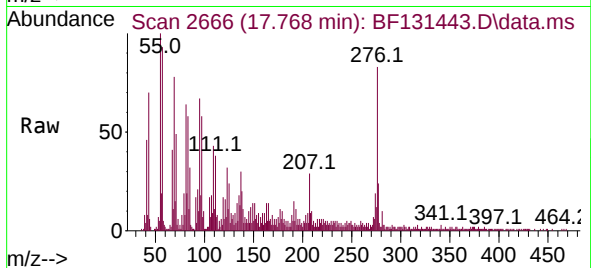
Acq: 28 Nov 2022 22:37

Instrument :

BNA_F

ClientSampleId :

B-13S



Tgt Ion:276 Resp: 44730

Ion Ratio Lower Upper

276 100

277 28.9 18.3 27.5#

138 24.4 13.8 20.6#

