

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131174.D
 Acq On : 12 Nov 2022 02:34
 Operator : CG\JU
 Sample : N5501-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-3-110722

Quant Time: Nov 12 02:55:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

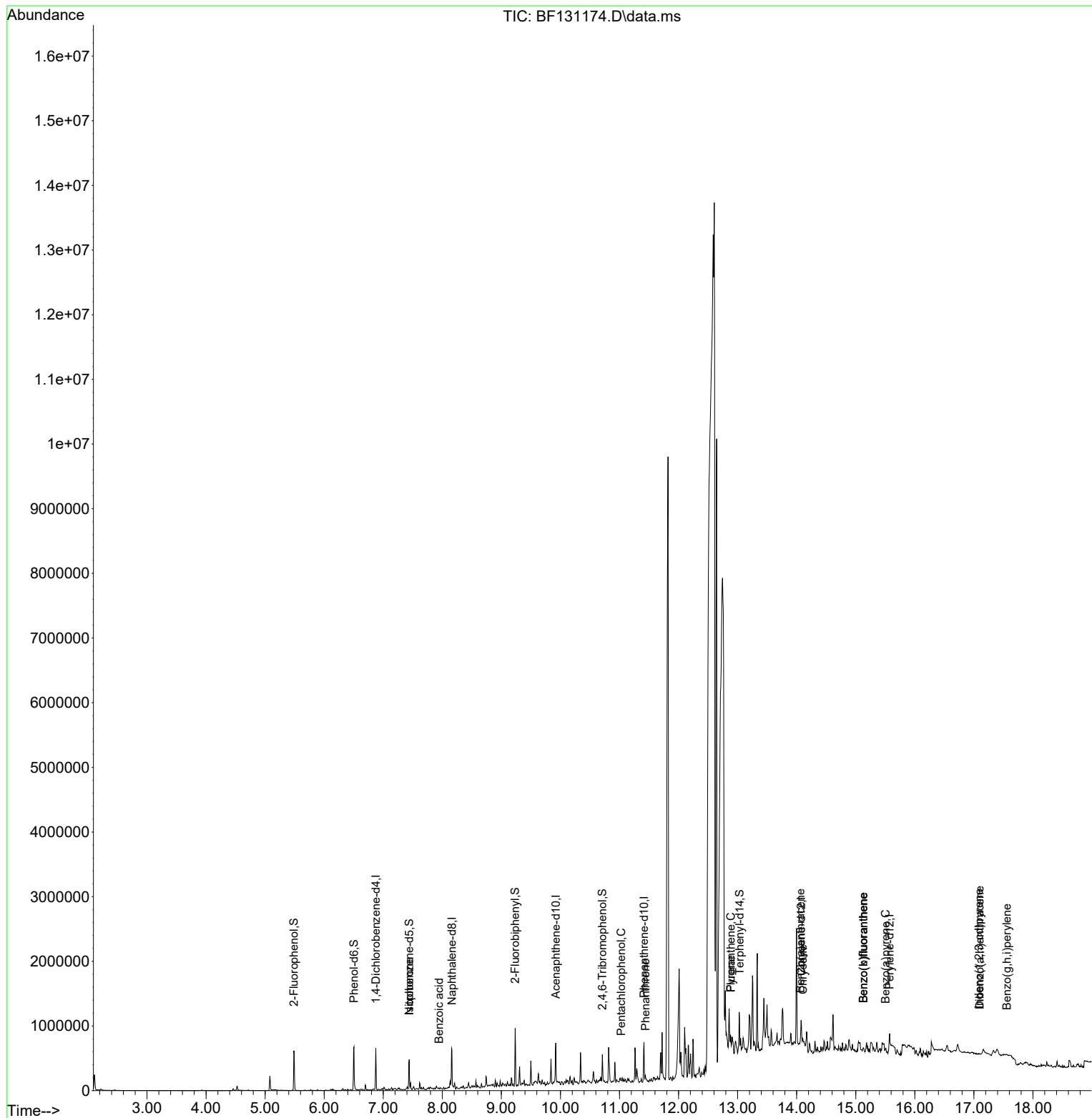
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73202	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	246004	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	118475	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	213781	20.000	ng	0.00
76) Chrysene-d12	14.074	240	120536	20.000	ng	# 0.02
86) Perylene-d12	15.574	264	79834	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	151425	35.179	ng	0.00
7) Phenol-d6	6.504	99	198057	35.194	ng	0.00
23) Nitrobenzene-d5	7.439	82	127832	23.445	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	44209	36.106	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	228890	26.970	ng	0.00
79) Terphenyl-d14	13.033	244	178912	26.025	ng	0.04
Target Compounds						Qvalue
25) Isophorone	7.439	82	127655	15.142	ng	# 68
32) Benzoic acid	7.945	122	101	5.752	ng	# 63
70) Pentachlorophenol	11.027	266	55	5.566	ng	# 19
71) Phenanthrene	11.439	178	25630	2.180	ng	# 92
75) Fluoranthene	12.886	202	24697	2.098	ng	81
78) Pyrene	12.886	202	24697	2.388	ng	# 86
81) Benzo(a)anthracene	14.062	228	30632	3.555	ng	# 79
83) Chrysene	14.104	228	37080	4.557	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.086	276	14473	5.902	ng	97
88) Benzo(b)fluoranthene	15.127	252	36222	6.417	ng	# 69
89) Benzo(k)fluoranthene	15.127	252	36222	6.677	ng	# 70
90) Benzo(a)pyrene	15.504	252	16203	3.581	ng	# 71
91) Dibenzo(a,h)anthracene	17.098	278	5515	4.798	ng	# 6
92) Benzo(g,h,i)perylene	17.556	276	15010	6.796	ng	# 66

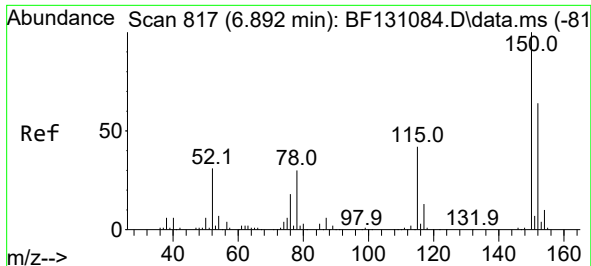
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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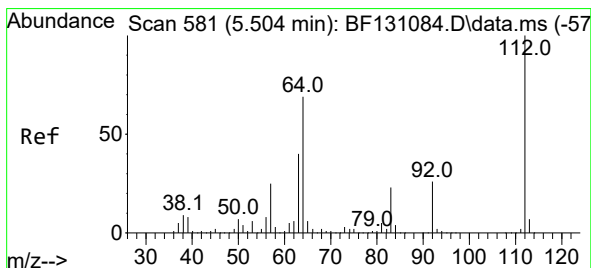
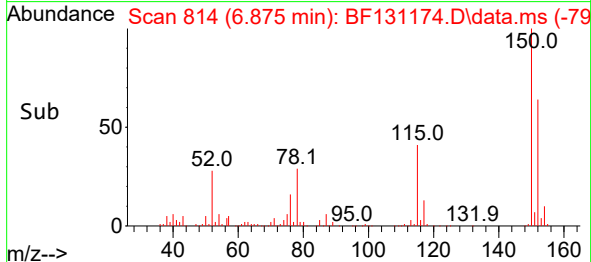
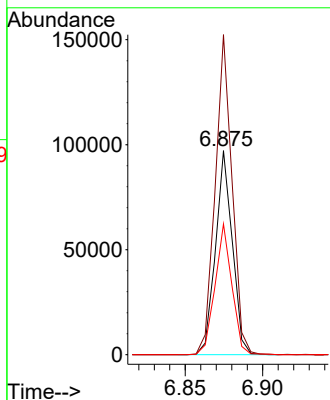
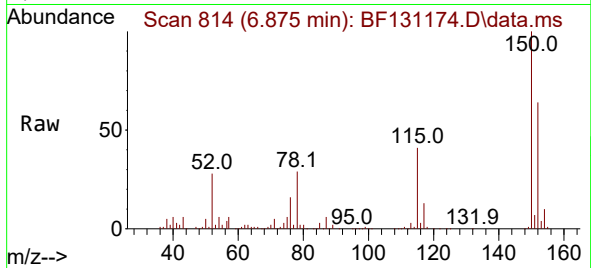




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

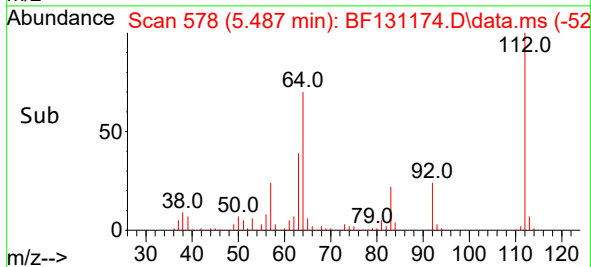
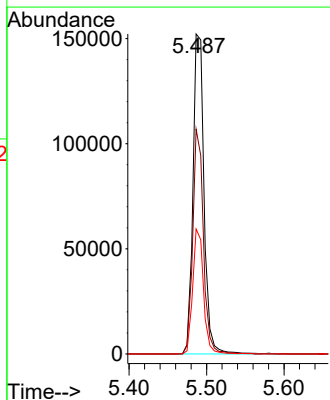
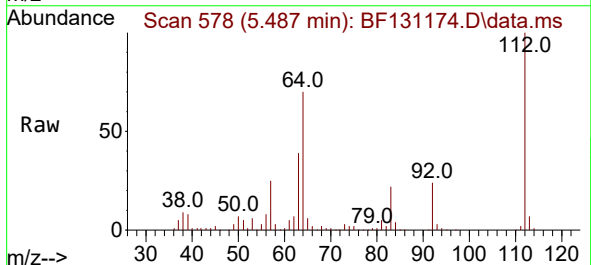
Instrument :
BNA_F
ClientSampleId :
HS-3-110722

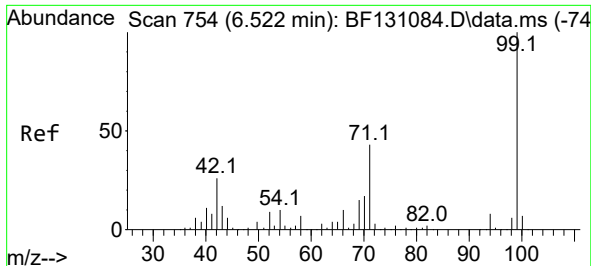
Tgt Ion:152 Resp: 73202
Ion Ratio Lower Upper
152 100
150 156.8 125.5 188.3
115 64.1 52.2 78.2



#5
2-Fluorophenol
Concen: 35.179 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

Tgt Ion:112 Resp: 151425
Ion Ratio Lower Upper
112 100
64 70.2 55.1 82.7
63 39.0 32.4 48.6

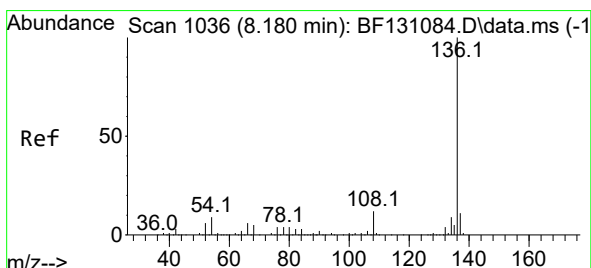
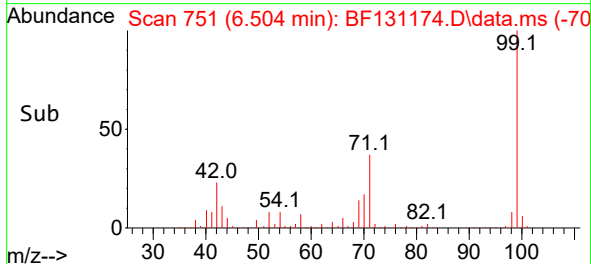
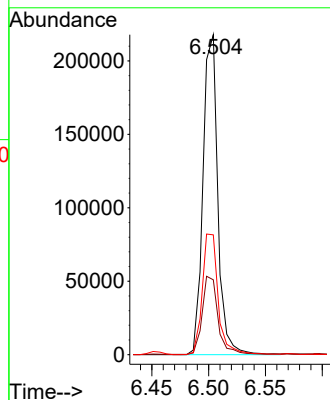
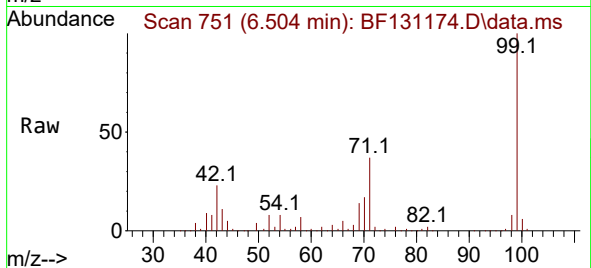




#7
Phenol-d6
Concen: 35.194 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

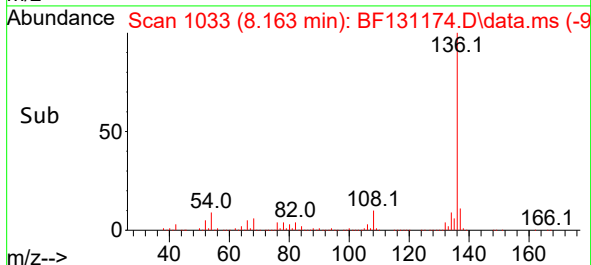
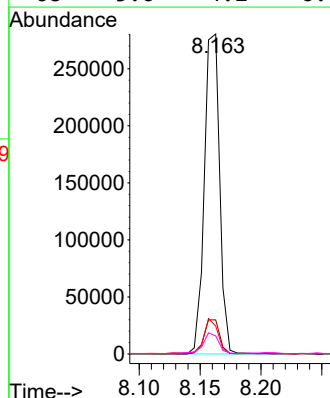
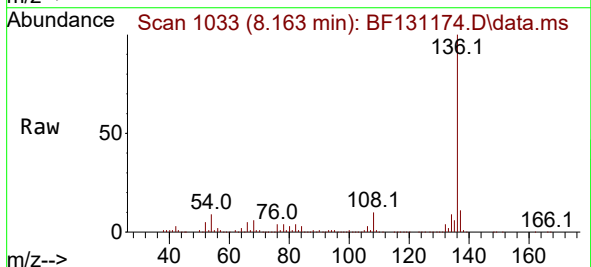
Instrument :
BNA_F
ClientSampleId :
HS-3-110722

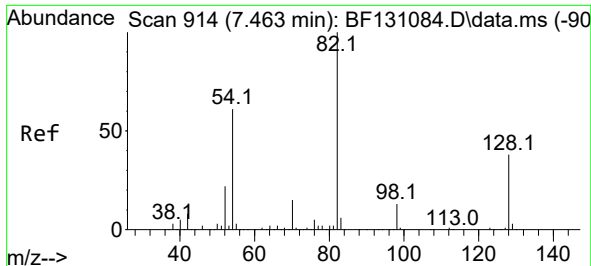
Tgt Ion: 99 Resp: 198057
Ion Ratio Lower Upper
99 100
42 23.4 20.8 31.2
71 37.4 34.2 51.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

Tgt Ion: 136 Resp: 246004
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.7 7.2 10.8
68 5.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 23.445 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Instrument :

BNA_F

ClientSampleId :

HS-3-110722

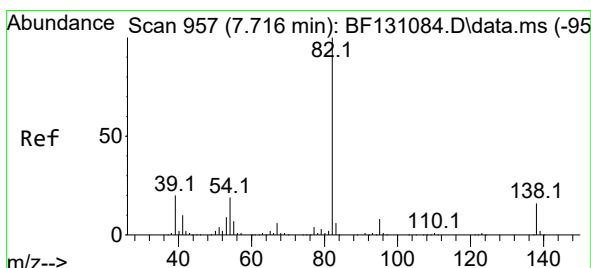
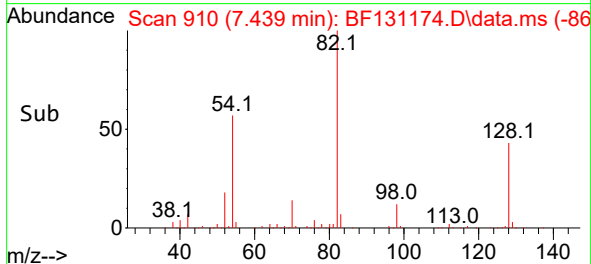
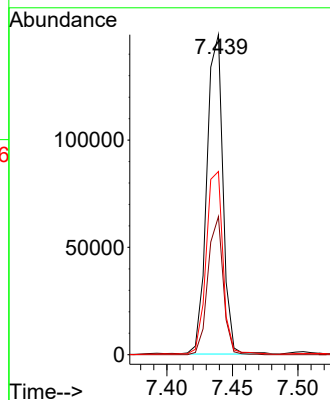
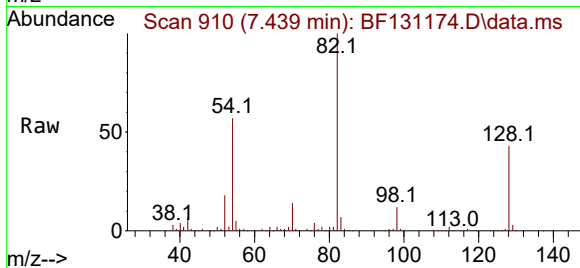
Tgt Ion: 82 Resp: 127832

Ion Ratio Lower Upper

82 100

128 43.1 30.5 45.7

54 57.3 49.1 73.7



#25

Isophorone

Concen: 15.142 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.259 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

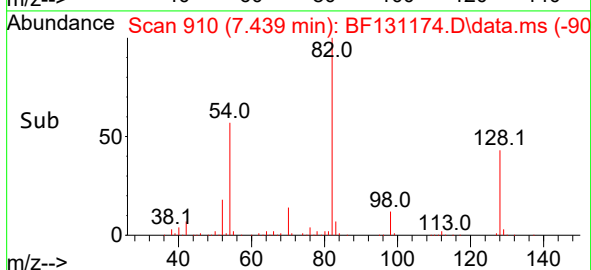
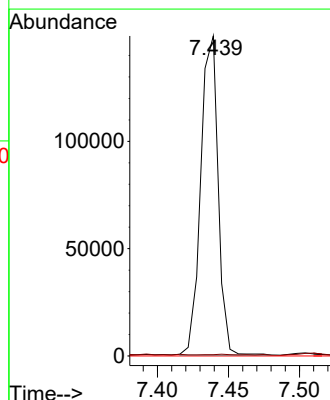
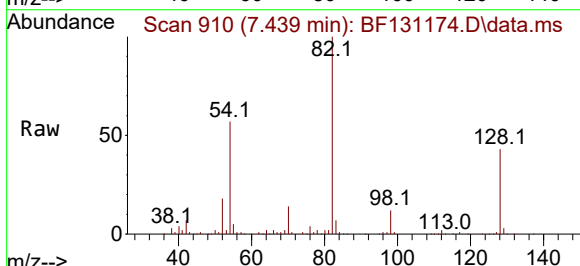
Tgt Ion: 82 Resp: 127655

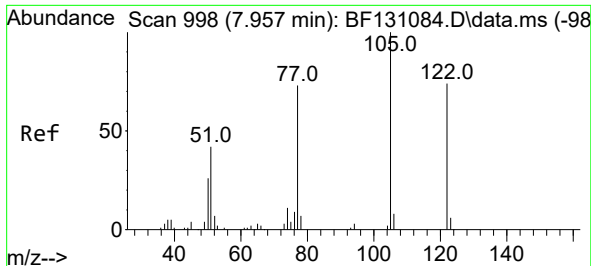
Ion Ratio Lower Upper

82 100

95 0.4 6.2 9.2#

138 0.0 12.5 18.7#

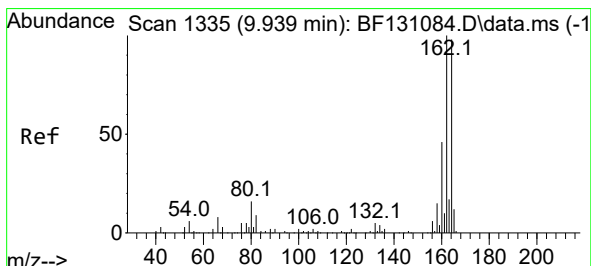
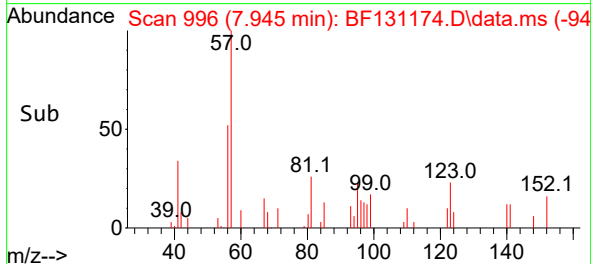
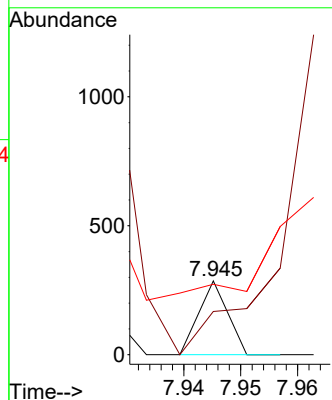
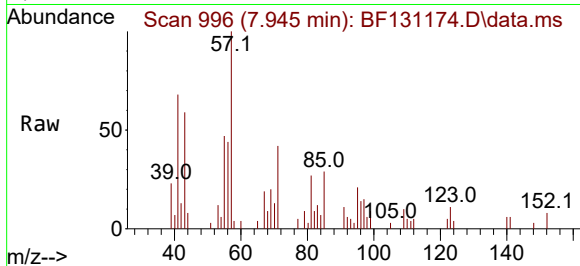




#32
Benzoic acid
Concen: 5.752 ng
RT: 7.945 min Scan# 998
Delta R.T. 0.006 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

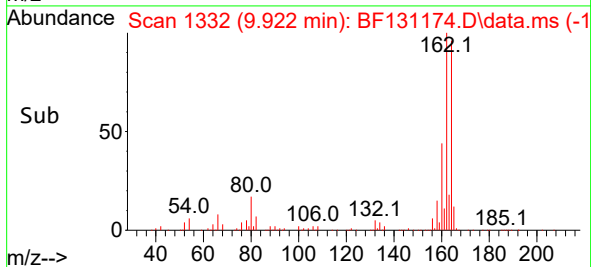
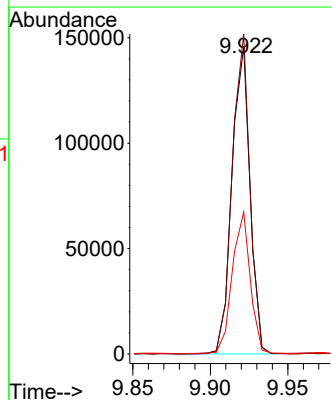
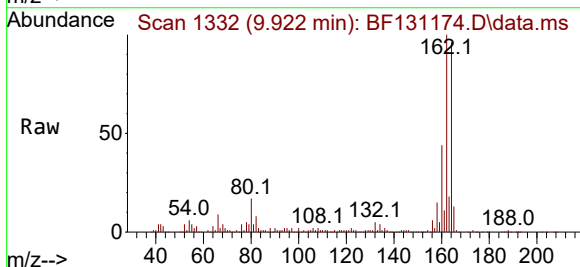
Instrument :
BNA_F
ClientSampleId :
HS-3-110722

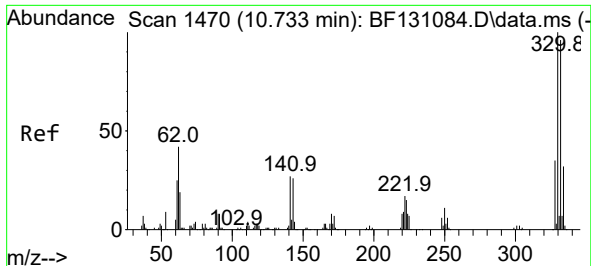
Tgt Ion:122 Resp: 101
Ion Ratio Lower Upper
122 100
105 58.7 113.0 153.0#
77 95.5 78.7 118.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

Tgt Ion:164 Resp: 118475
Ion Ratio Lower Upper
164 100
162 104.0 81.7 122.5
160 46.1 37.4 56.2





#42

2,4,6-Tribromophenol

Concen: 36.106 ng

RT: 10.710 min Scan# 1470

Delta R.T. -0.000 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Instrument :

BNA_F

ClientSampleId :

HS-3-110722

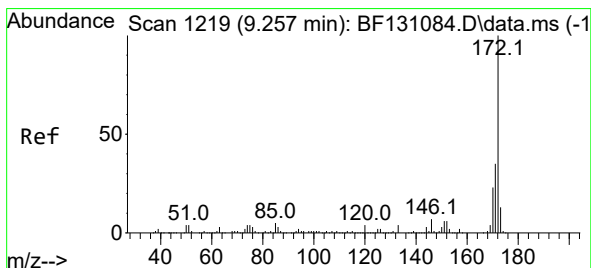
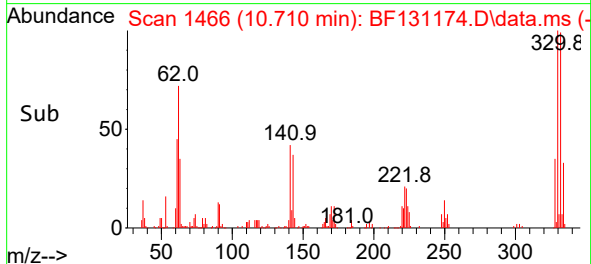
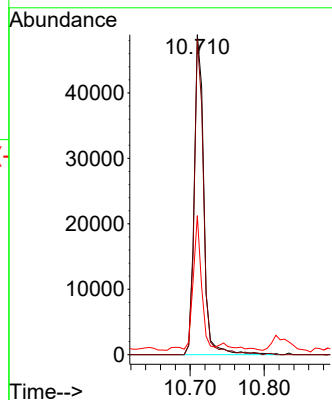
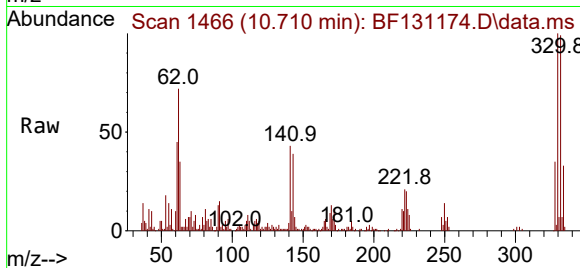
Tgt Ion:330 Resp: 44209

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.4

141 37.6 28.5 42.7



#45

2-Fluorobiphenyl

Concen: 26.970 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

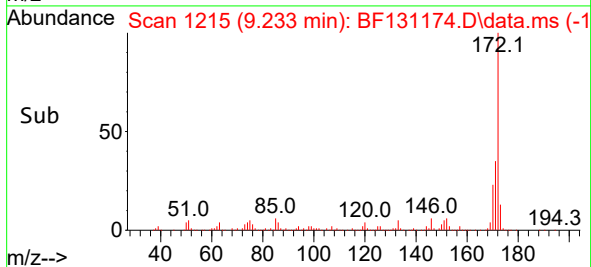
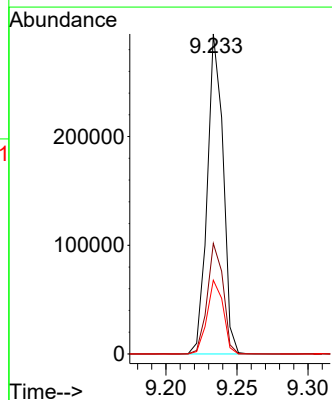
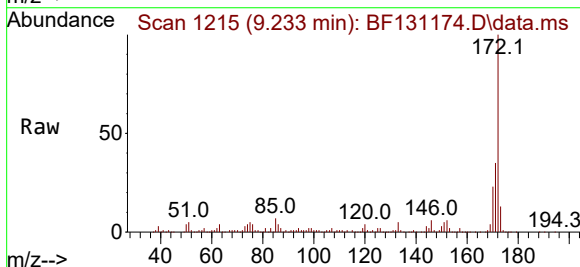
Tgt Ion:172 Resp: 228890

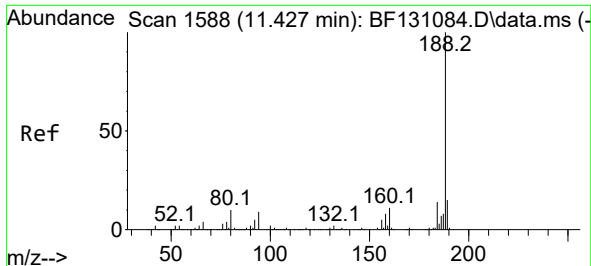
Ion Ratio Lower Upper

172 100

171 34.5 27.7 41.5

170 23.1 18.8 28.2

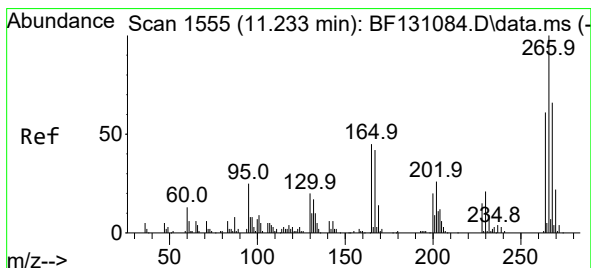
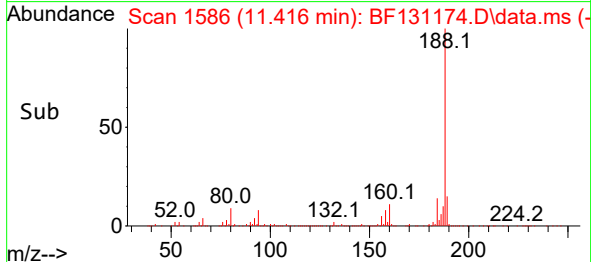
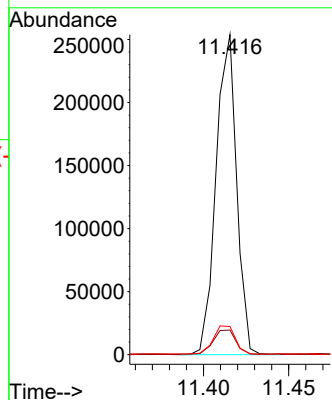
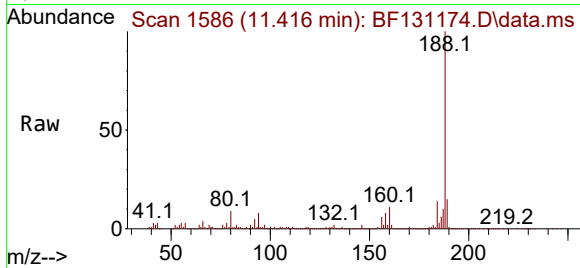




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

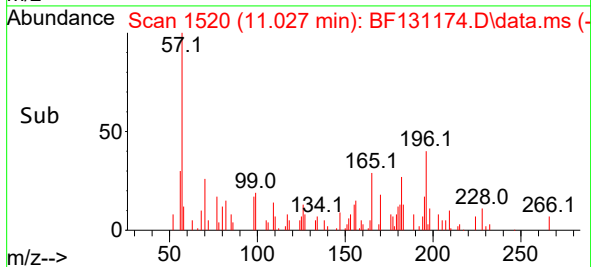
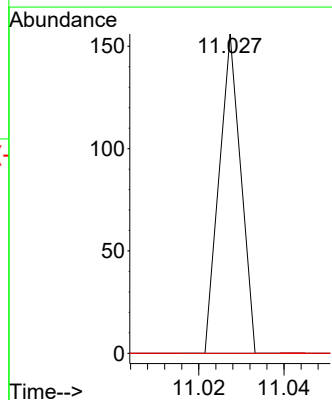
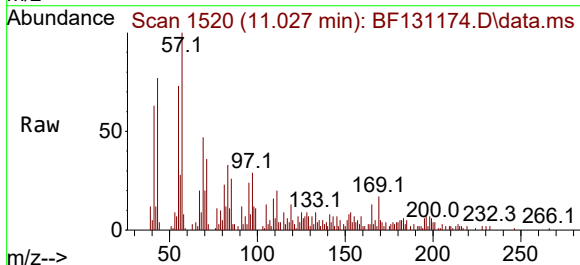
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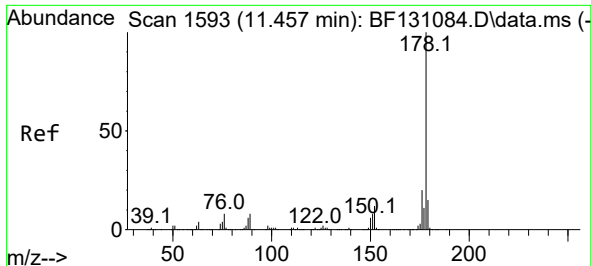
Tgt Ion:188 Resp: 213781
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.6
80 8.8 7.9 11.9



#70
Pentachlorophenol
Concen: 5.566 ng
RT: 11.027 min Scan# 1520
Delta R.T. -0.188 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

Tgt Ion:266 Resp: 55
Ion Ratio Lower Upper
266 100
268 0.0 52.5 78.7#
264 0.0 48.6 72.8#

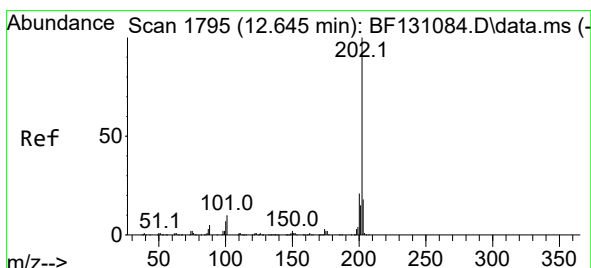
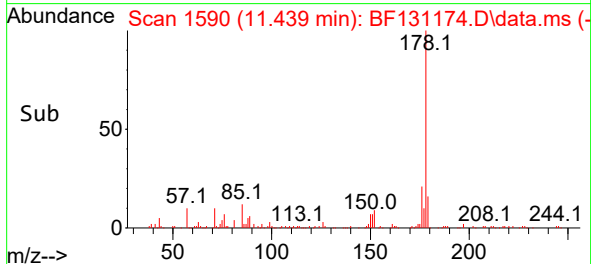
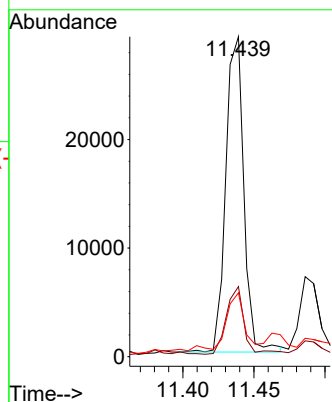
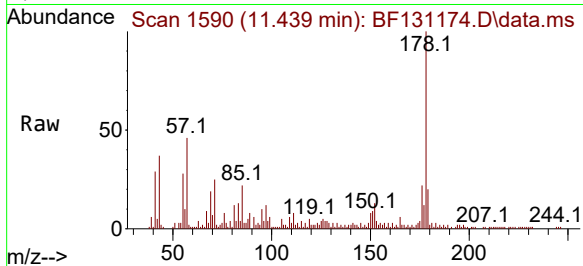




#71
Phenanthrene
Concen: 2.180 ng
RT: 11.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

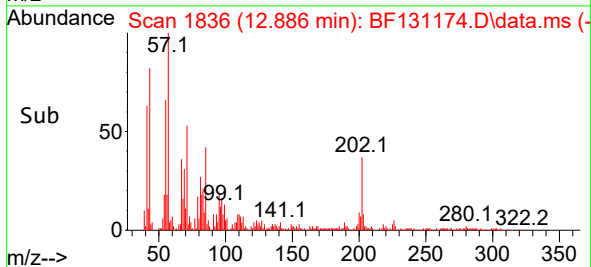
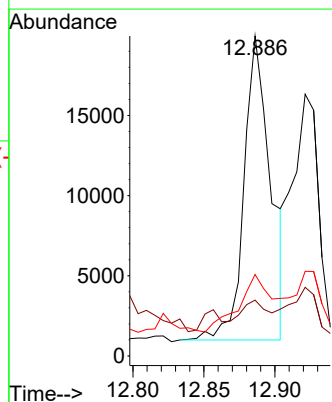
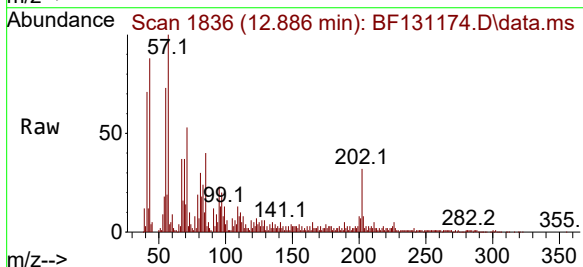
Instrument :
BNA_F
ClientSampleId :
HS-3-110722

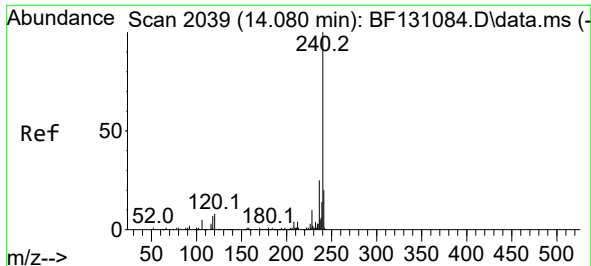
Tgt Ion:178 Resp: 25630
Ion Ratio Lower Upper
178 100
176 21.9 15.8 23.8
179 19.9 12.2 18.2#



#75
Fluoranthene
Concen: 2.098 ng
RT: 12.886 min Scan# 1836
Delta R.T. 0.259 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

Tgt Ion:202 Resp: 24697
Ion Ratio Lower Upper
202 100
101 17.5 0.0 30.0
203 25.4 0.0 37.7

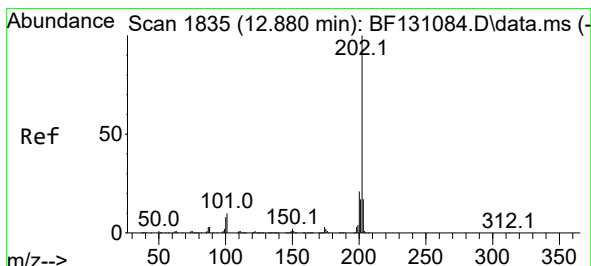
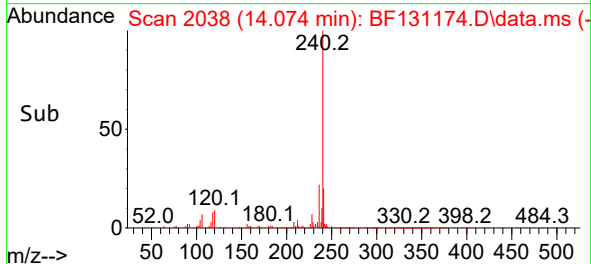
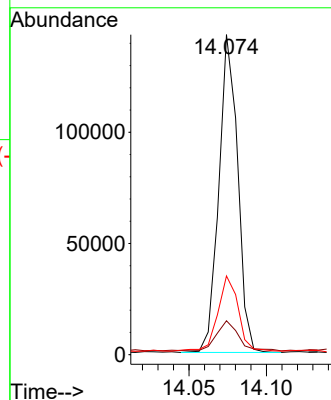
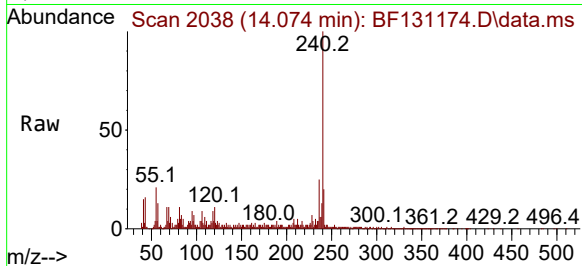




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.017 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

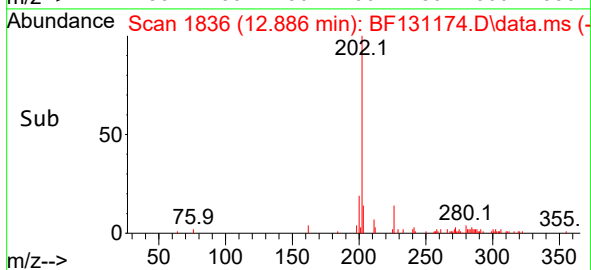
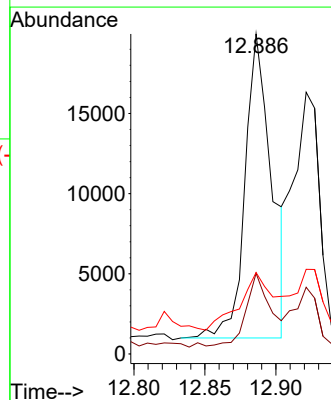
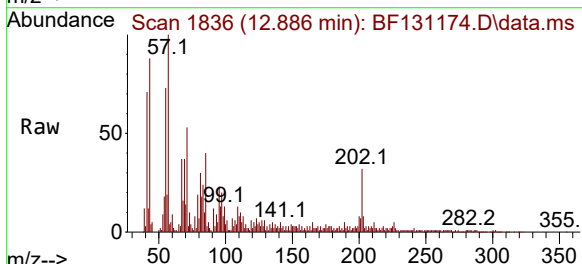
Instrument : BNA_F
ClientSampleId : HS-3-110722

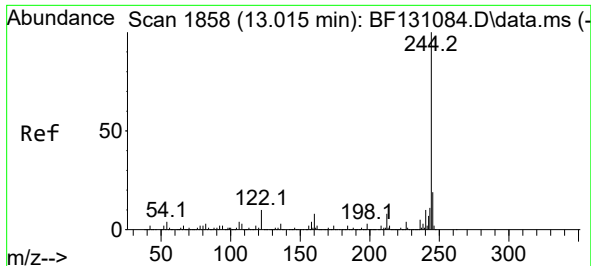
Tgt Ion:240 Resp: 120536
Ion Ratio Lower Upper
240 100
120 10.6 6.5 9.7#
236 24.6 19.7 29.5



#78
Pyrene
Concen: 2.388 ng
RT: 12.886 min Scan# 1836
Delta R.T. 0.029 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

Tgt Ion:202 Resp: 24697
Ion Ratio Lower Upper
202 100
200 25.2 16.8 25.2#
203 25.4 13.6 20.4#

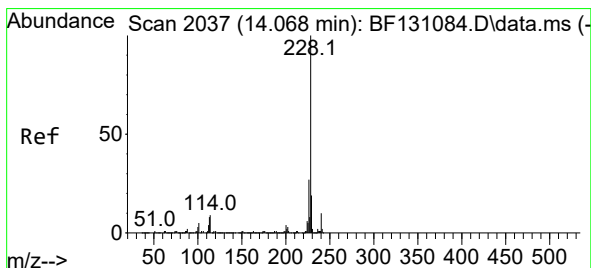
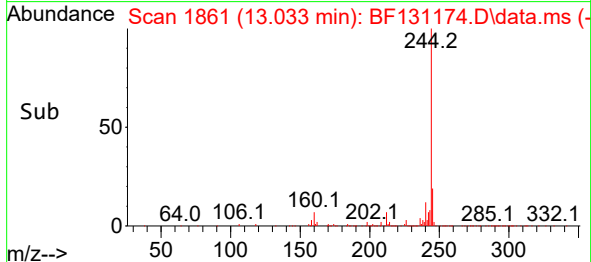
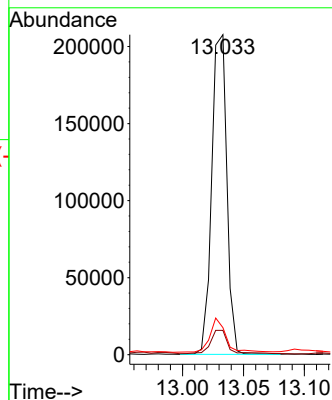
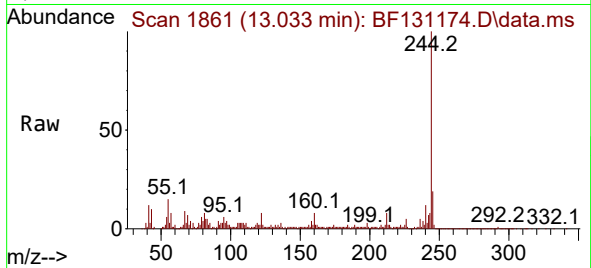




#79
 Terphenyl-d14
 Concen: 26.025 ng
 RT: 13.033 min Scan# 1861
 Delta R.T. 0.035 min
 Lab File: BF131174.D
 Acq: 12 Nov 2022 02:34

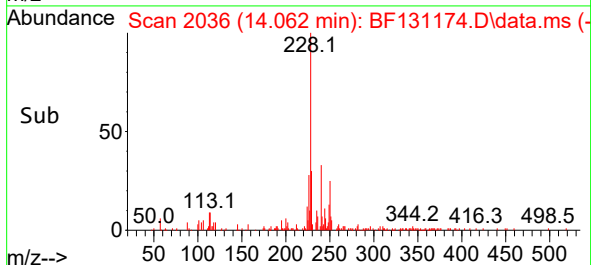
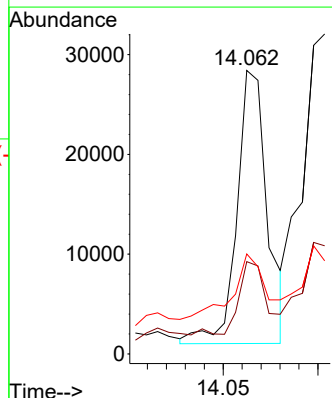
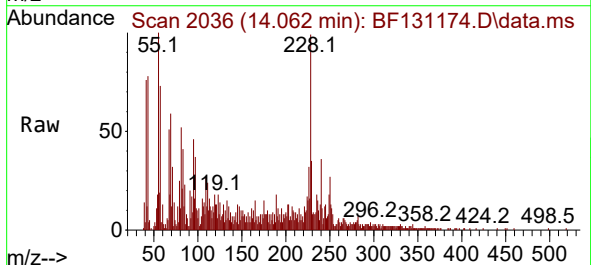
Instrument :
 BNA_F
 ClientSampleId :
 HS-3-110722

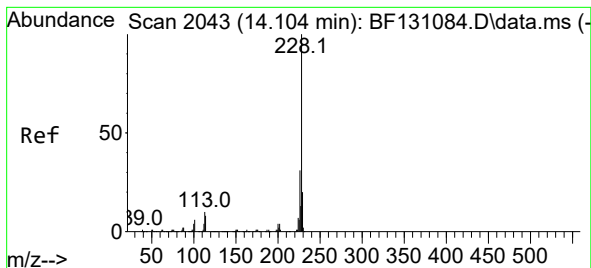
Tgt Ion:244 Resp: 178912
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 8.5 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 3.555 ng
 RT: 14.062 min Scan# 2036
 Delta R.T. 0.017 min
 Lab File: BF131174.D
 Acq: 12 Nov 2022 02:34

Tgt Ion:228 Resp: 30632
 Ion Ratio Lower Upper
 228 100
 226 32.6 21.8 32.6
 229 35.3 15.4 23.2#





#83

Chrysene

Concen: 4.557 ng

RT: 14.104 min Scan# 2043

Delta R.T. 0.017 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Instrument :

BNA_F

ClientSampleId :

HS-3-110722

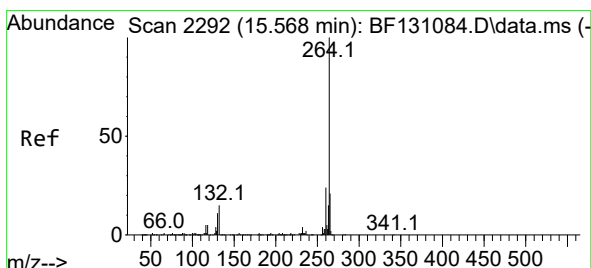
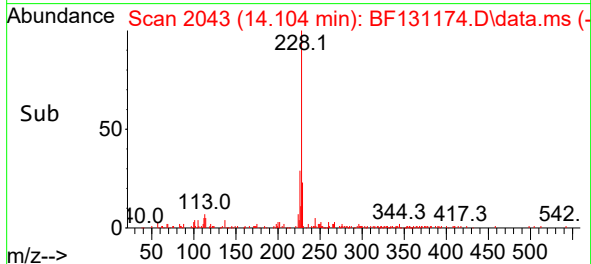
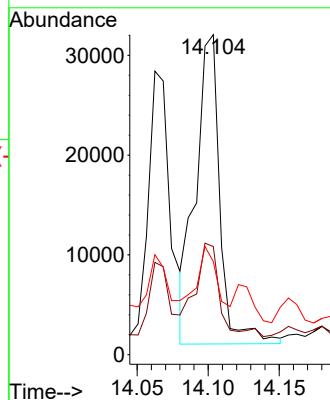
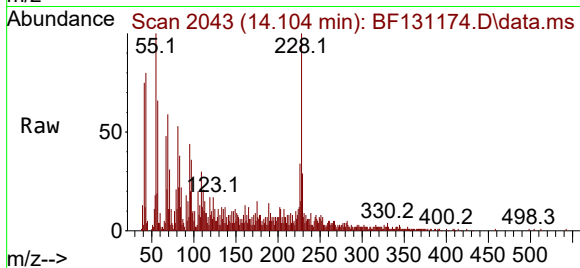
Tgt Ion:228 Resp: 37080

Ion Ratio Lower Upper

228 100

226 33.8 24.4 36.6

229 29.1 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2293

Delta R.T. 0.029 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

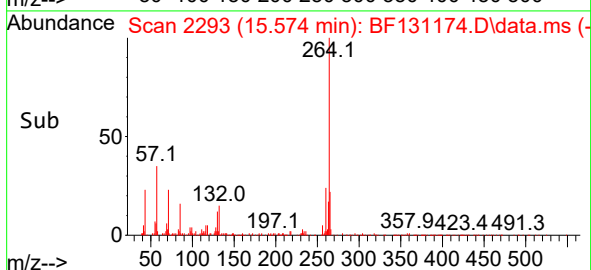
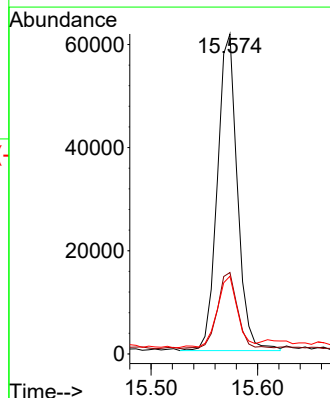
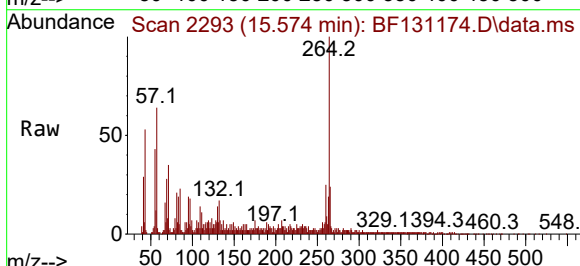
Tgt Ion:264 Resp: 79834

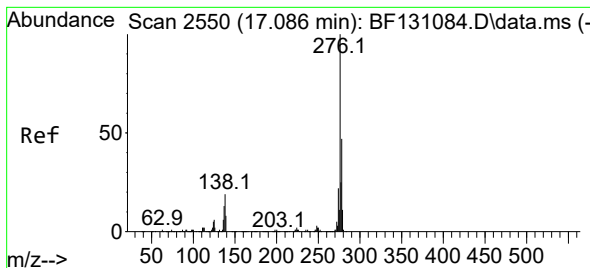
Ion Ratio Lower Upper

264 100

260 25.4 19.1 28.7

265 24.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.902 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Instrument :

BNA_F

ClientSampleId :

HS-3-110722

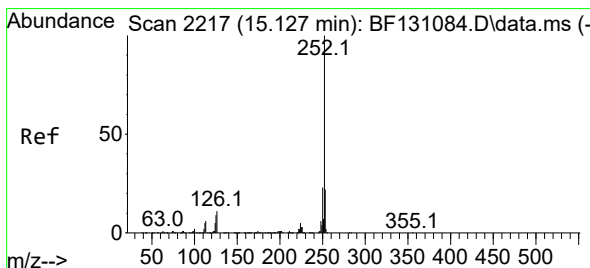
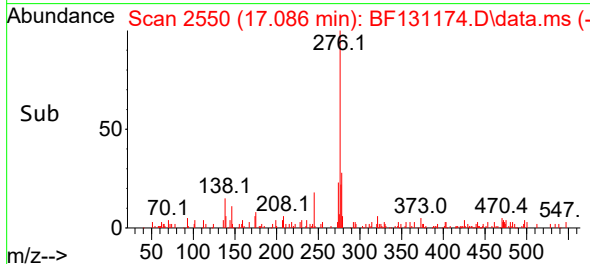
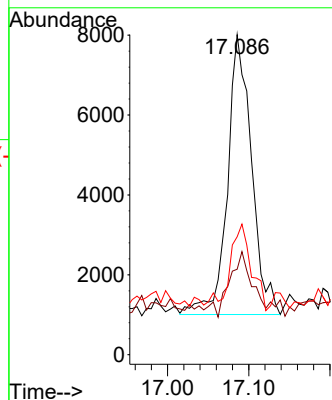
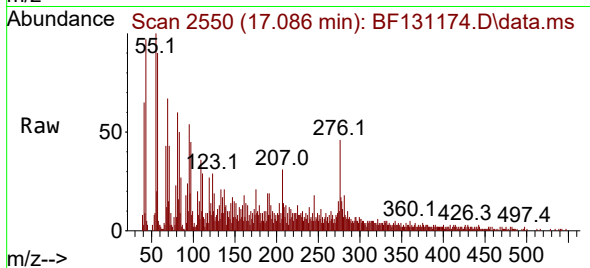
Tgt Ion:276 Resp: 14473

Ion Ratio Lower Upper

276 100

138 21.4 16.9 25.3

277 28.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 6.417 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.023 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

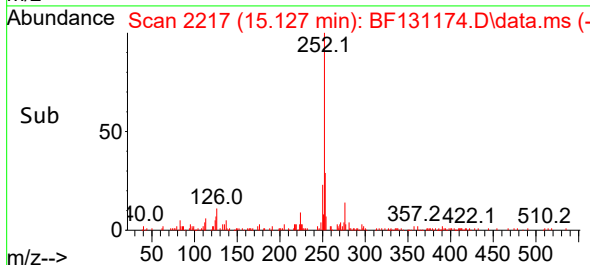
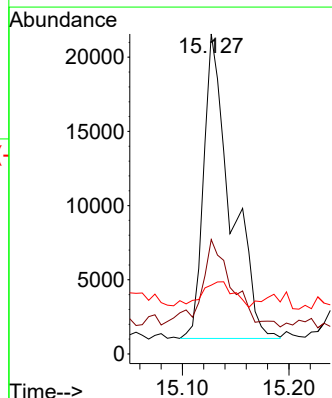
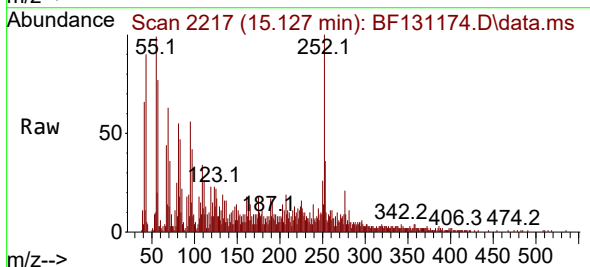
Tgt Ion:252 Resp: 36222

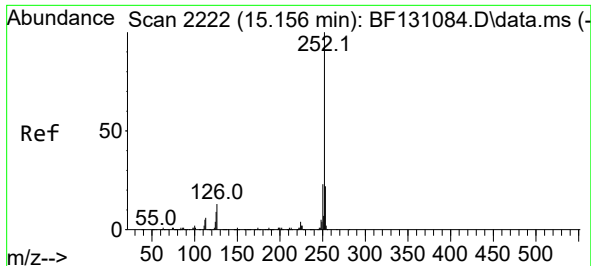
Ion Ratio Lower Upper

252 100

253 35.8 17.3 25.9#

125 21.5 7.2 10.8#

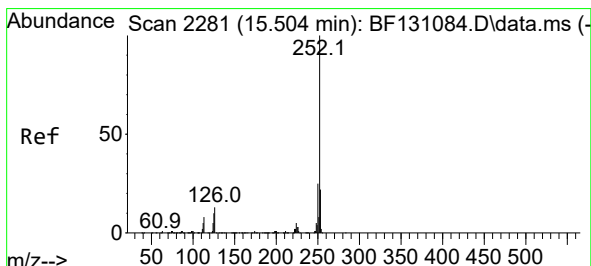
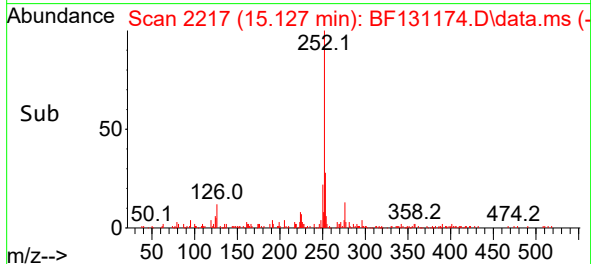
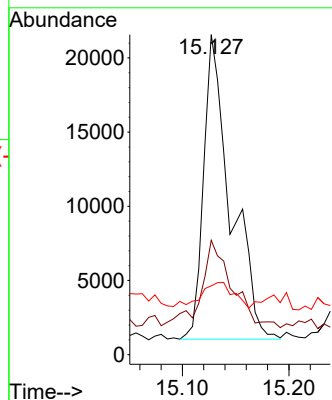
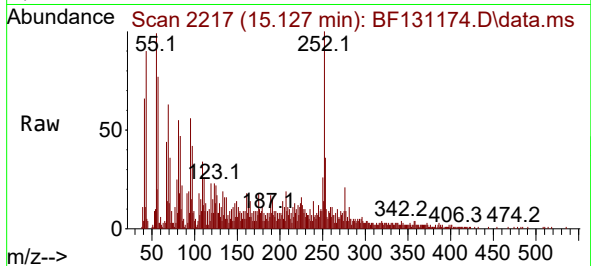




#89
Benzo(k)fluoranthene
Concen: 6.677 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.012 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

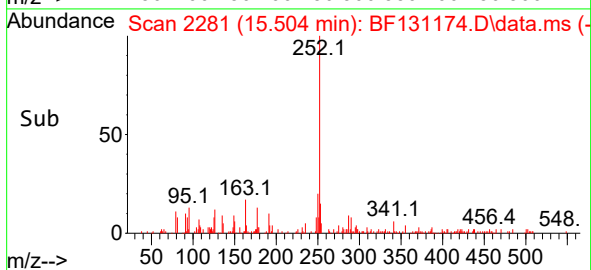
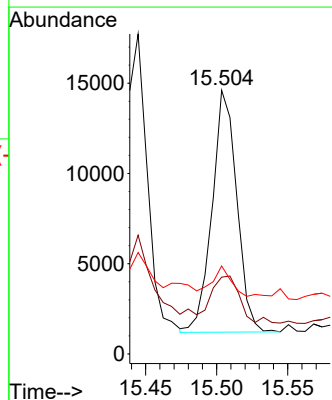
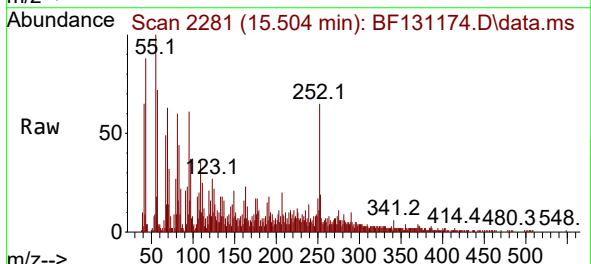
Instrument :
BNA_F
ClientSampleId :
HS-3-110722

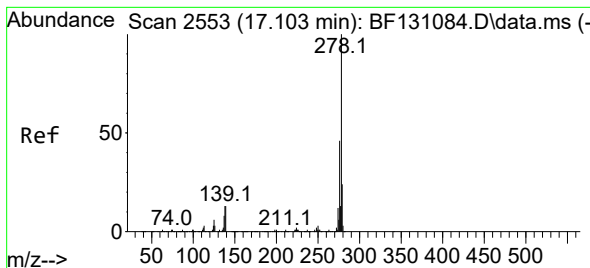
Tgt Ion:252 Resp: 36222
Ion Ratio Lower Upper
252 100
253 35.8 17.6 26.4#
125 21.5 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 3.581 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.023 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

Tgt Ion:252 Resp: 16203
Ion Ratio Lower Upper
252 100
253 29.1 17.8 26.8#
125 33.4 8.1 12.1#





#91

Dibenzo(a,h)anthracene

Concen: 4.798 ng

RT: 17.098 min Scan# 2

Delta R.T. 0.023 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Instrument :

BNA_F

ClientSampleId :

HS-3-110722

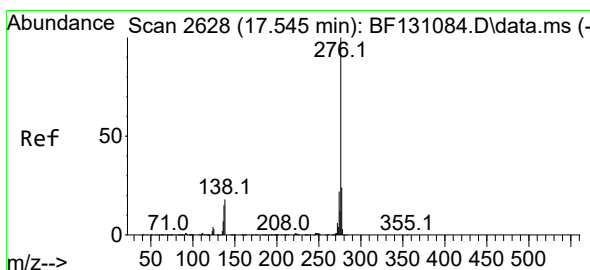
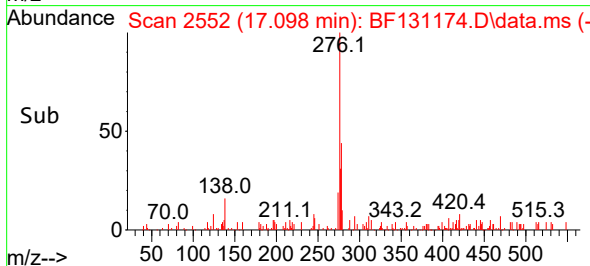
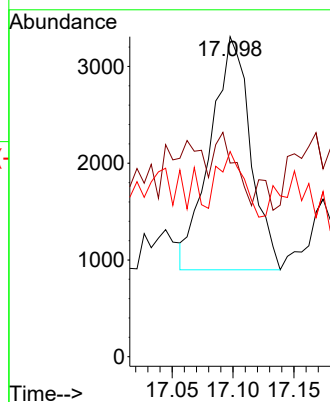
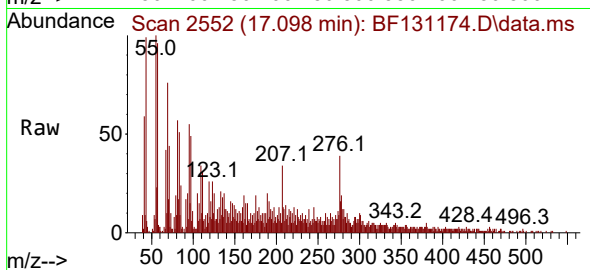
Tgt Ion:278 Resp: 5515

Ion Ratio Lower Upper

278 100

139 60.5 10.8 16.2#

279 64.1 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 6.796 ng

RT: 17.556 min Scan# 2630

Delta R.T. 0.041 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Tgt Ion:276 Resp: 15010

Ion Ratio Lower Upper

276 100

277 40.2 19.0 28.4#

138 34.0 14.6 21.8#

