

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131794.D
 Acq On : 23 Dec 2022 00:36
 Operator : CG\JU
 Sample : N6160-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3051

Quant Time: Dec 23 03:37:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

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

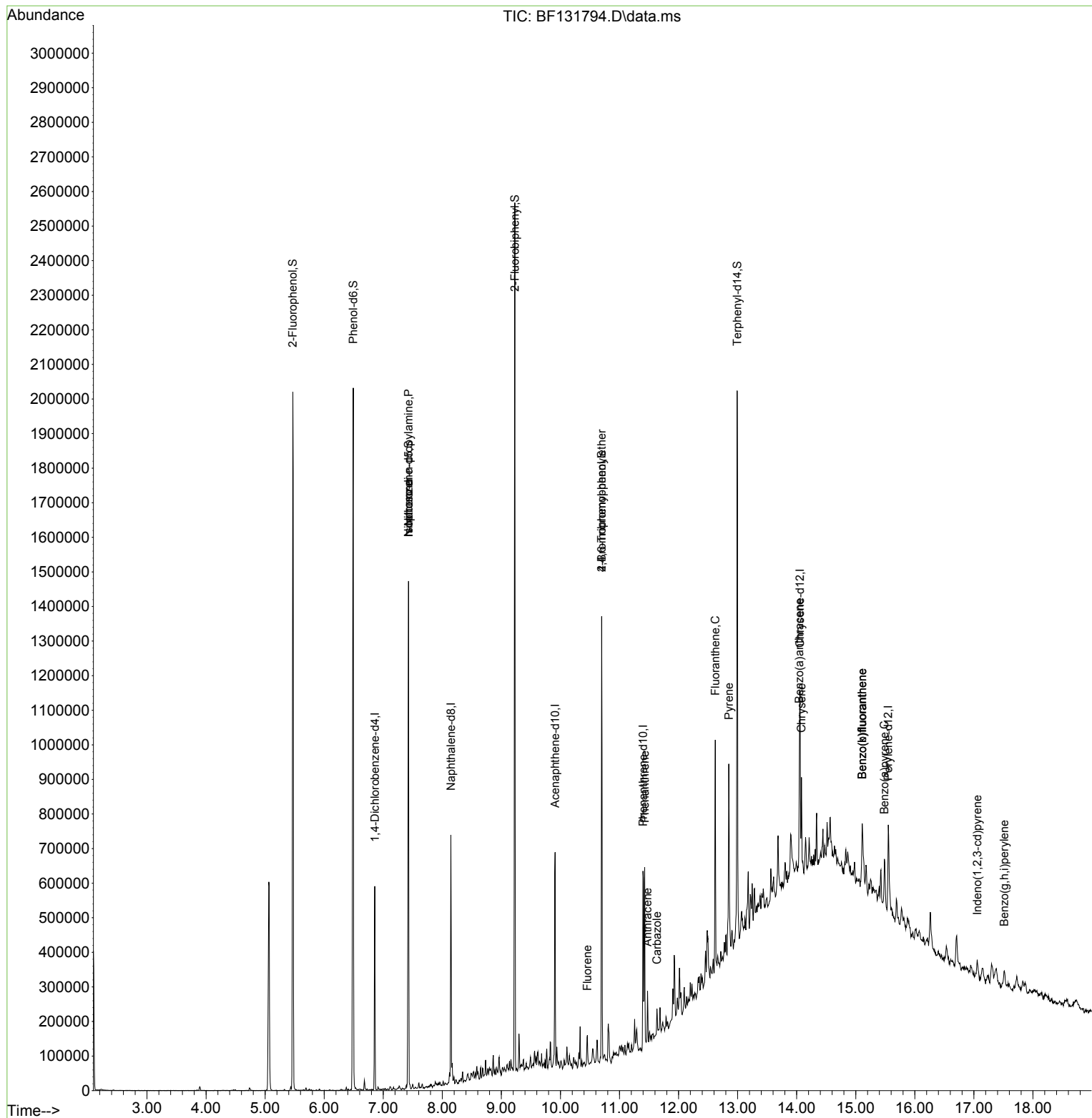
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	73507	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	250917	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	117577	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	191378	20.000	ng	0.00
76) Chrysene-d12	14.057	240	134639	20.000	ng	0.00
86) Perylene-d12	15.551	264	102148	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	532887	122.073	ng	0.01
7) Phenol-d6	6.492	99	674988	114.880	ng	0.00
23) Nitrobenzene-d5	7.428	82	463768	75.034	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	125304	97.367	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	652455	77.734	ng	0.00
79) Terphenyl-d14	12.992	244	524366	60.698	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	592	Below Cal	#	27
19) n-Nitroso-di-n-propyla...	7.428	70	65508	15.459	ng	# 81
25) Isophorone	7.428	82	462571	44.069	ng	# 70
58) Fluorene	10.457	166	19884	2.410	ng	96
67) 4-Bromophenyl-phenylether	10.698	248	8858	3.919	ng	# 1
71) Phenanthrene	11.427	178	183847	17.617	ng	98
72) Anthracene	11.475	178	50157	4.909	ng	97
73) Carbazole	11.633	167	19895	2.251	ng	97
75) Fluoranthene	12.621	202	244689	21.054	ng	99
78) Pyrene	12.851	202	205128	16.757	ng	99
81) Benzo(a)anthracene	14.045	228	116114	11.974	ng	93
83) Chrysene	14.080	228	103848	11.347	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.056	276	32128	4.683	ng	97
88) Benzo(b)fluoranthene	15.110	252	118642	16.417	ng	# 85
89) Benzo(k)fluoranthene	15.110	252	118642	16.824	ng	# 86
90) Benzo(a)pyrene	15.486	252	61493	10.742	ng	# 91
92) Benzo(g,h,i)perylene	17.515	276	34806	6.211	ng	93

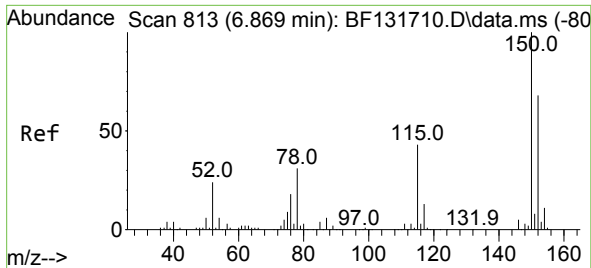
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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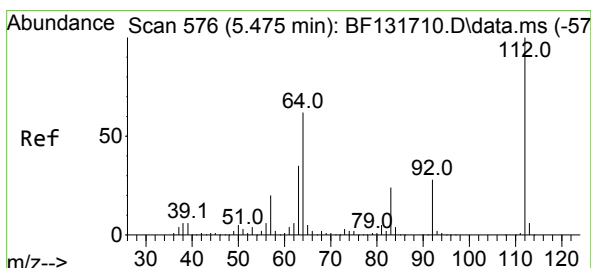
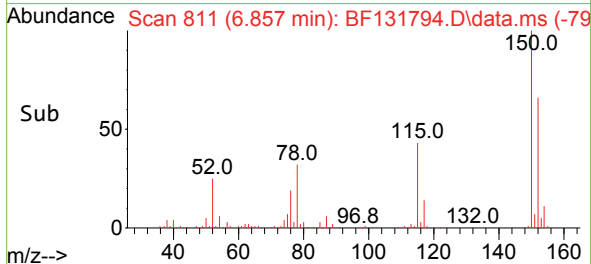
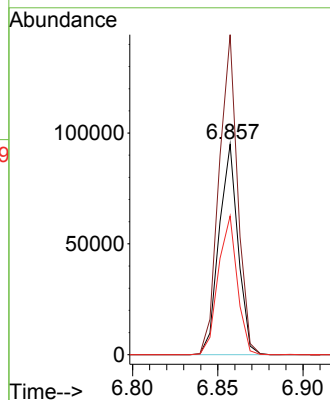
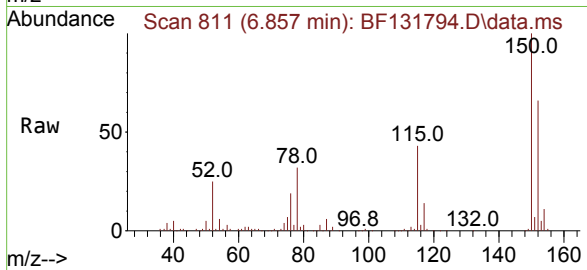




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

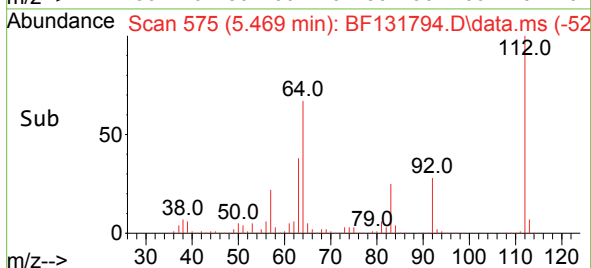
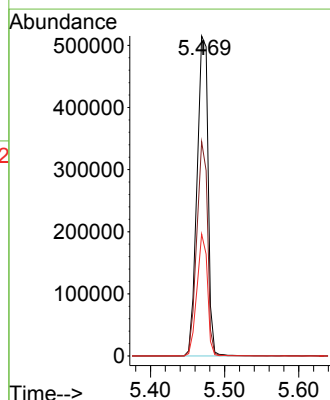
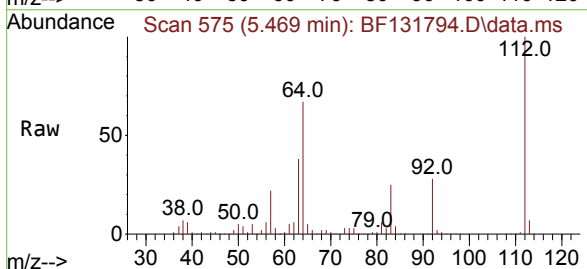
Instrument :
BNA_F
ClientSampleId :
COMP-3051

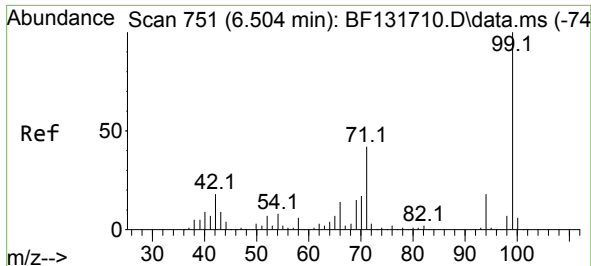
Tgt Ion:152 Resp: 73507
Ion Ratio Lower Upper
152 100
150 152.1 117.4 176.0
115 66.0 50.2 75.4



#5
2-Fluorophenol
Concen: 122.073 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion:112 Resp: 532887
Ion Ratio Lower Upper
112 100
64 67.0 49.5 74.3
63 38.1 28.2 42.2

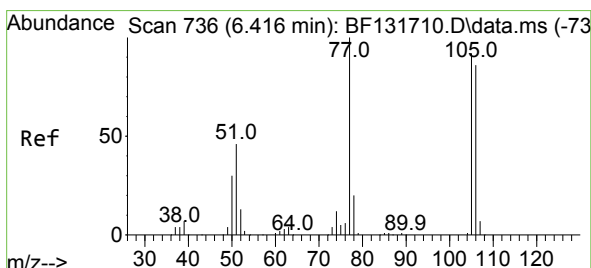
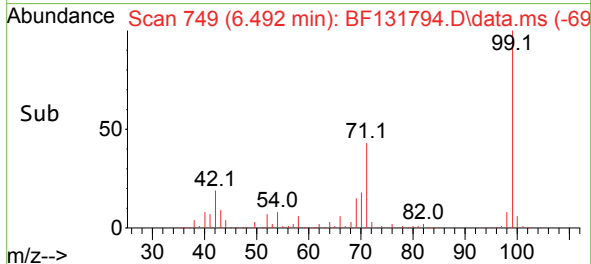
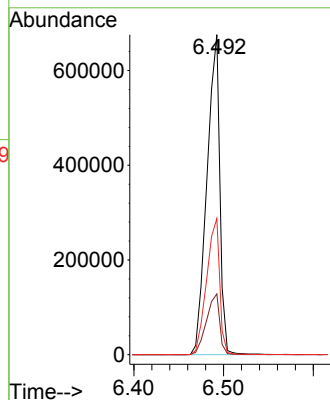
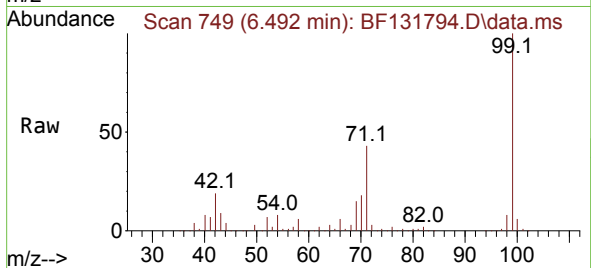




#7
Phenol-d6
Concen: 114.880 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

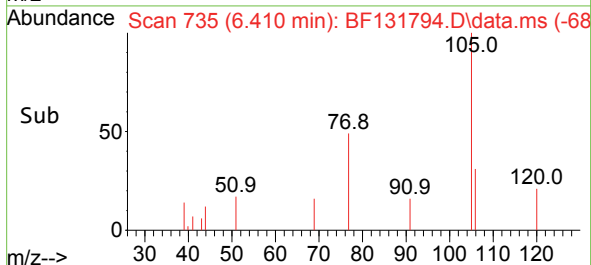
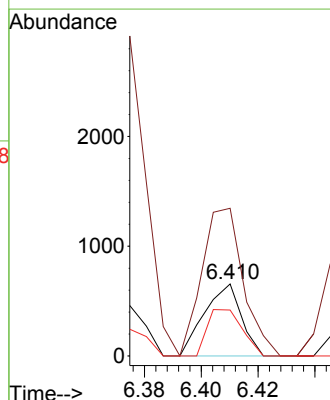
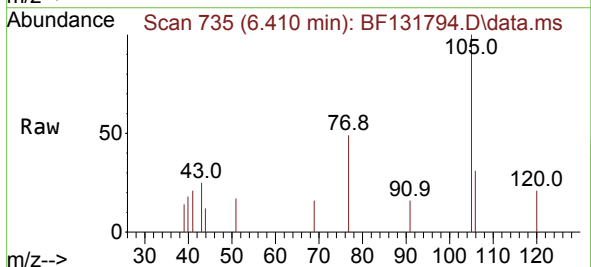
Instrument :
BNA_F
ClientSampleId :
COMP-3051

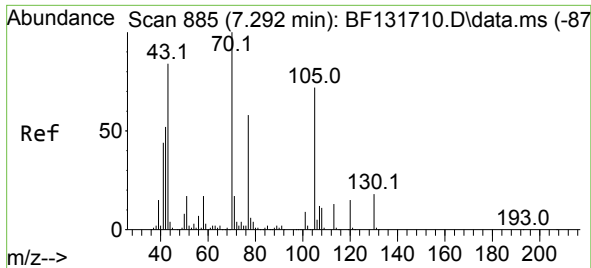
Tgt Ion: 99 Resp: 674988
Ion Ratio Lower Upper
99 100
42 19.0 14.8 22.2
71 42.5 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.410 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion: 77 Resp: 592
Ion Ratio Lower Upper
77 100
105 205.2 72.4 112.4#
106 63.9 66.5 106.5#

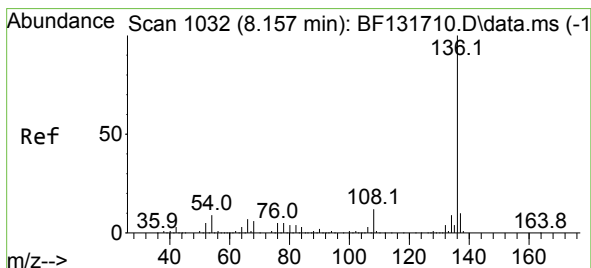
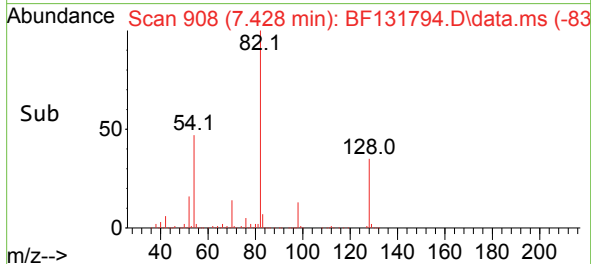
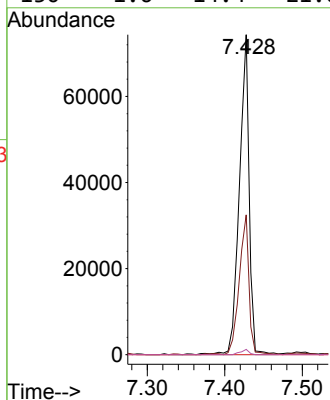
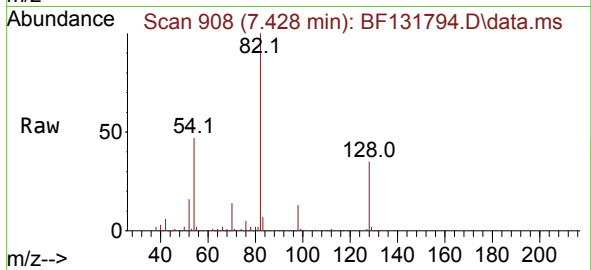




#19
n-Nitroso-di-n-propylamine
Concen: 15.459 ng
RT: 7.428 min Scan# 90
Delta R.T. 0.153 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

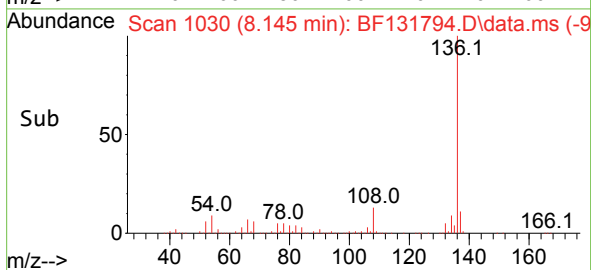
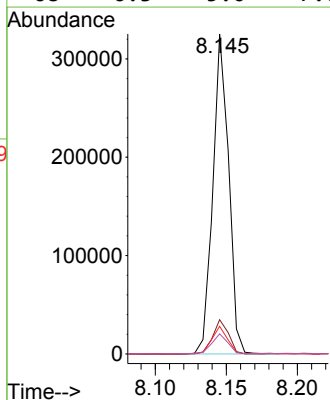
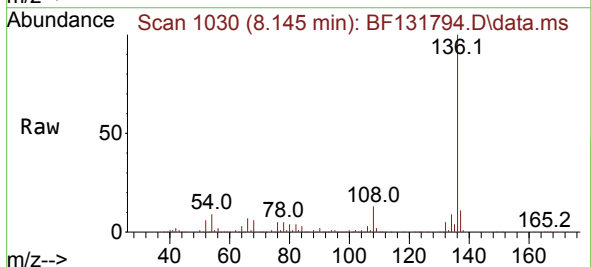
Instrument :
BNA_F
ClientSampleId :
COMP-3051

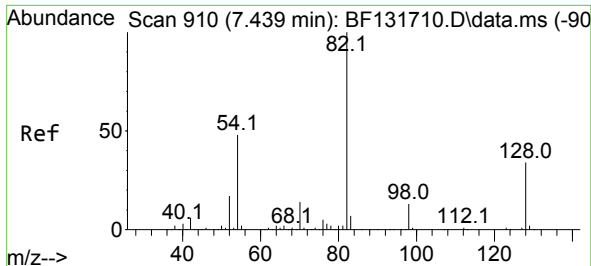
Tgt Ion: 70 Resp: 65508
Ion Ratio Lower Upper
70 100
42 43.7 41.5 62.3
101 0.0 7.3 10.9#
130 1.6 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion: 136 Resp: 250917
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.7 7.2 10.8
68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 75.034 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.000 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

COMP-3051

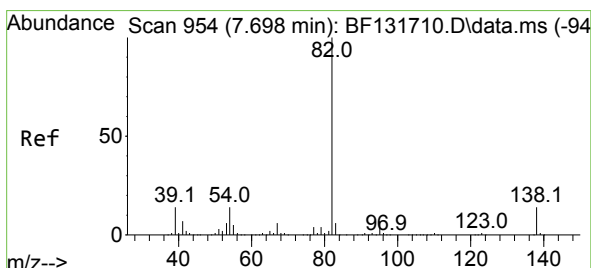
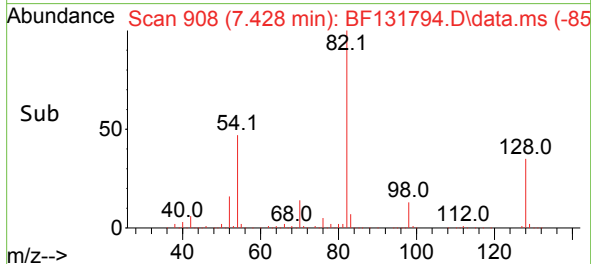
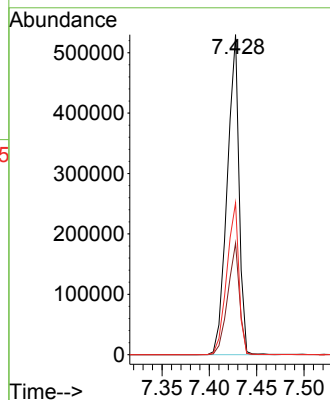
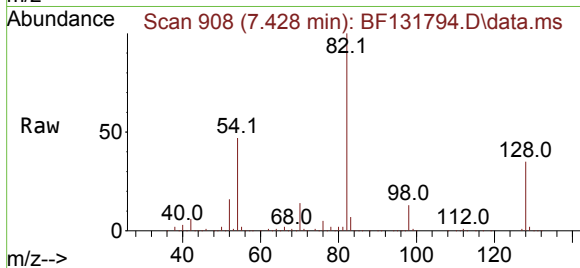
Tgt Ion: 82 Resp: 463768

Ion Ratio Lower Upper

82 100

128 34.9 27.3 40.9

54 47.4 38.2 57.2



#25

Isophorone

Concen: 44.069 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.259 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

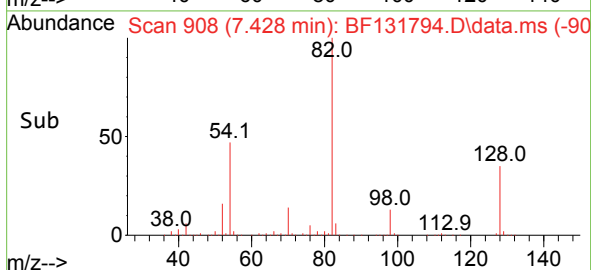
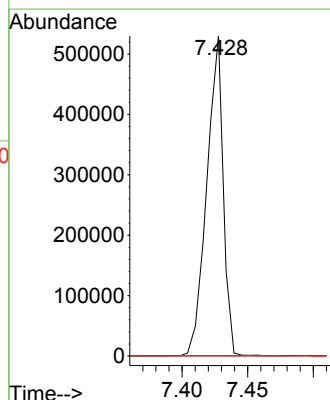
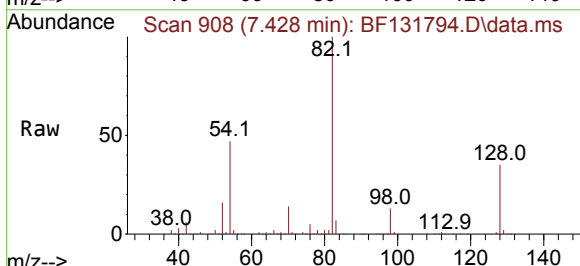
Tgt Ion: 82 Resp: 462571

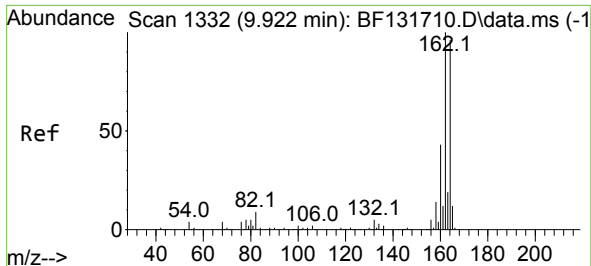
Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

Instrument :

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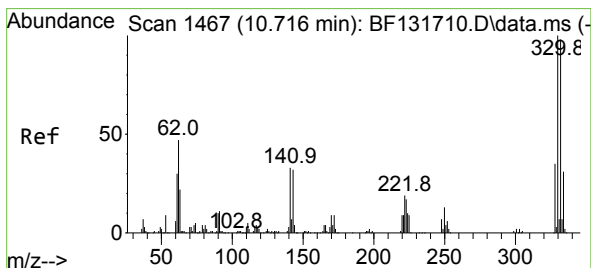
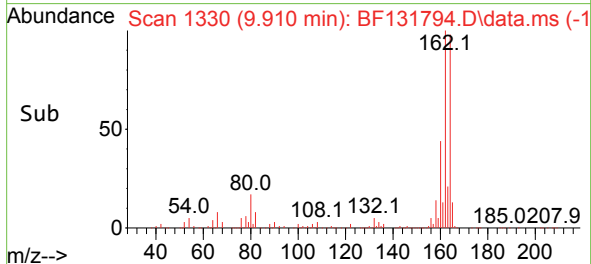
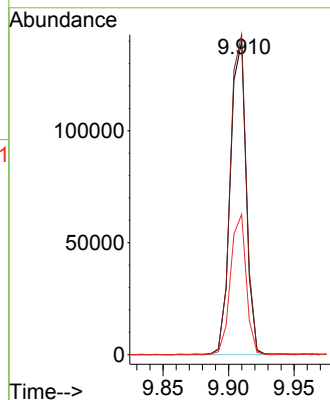
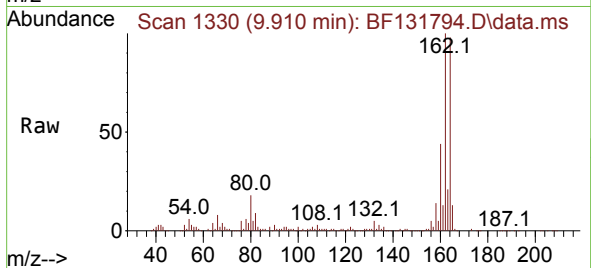
Tgt Ion:164 Resp: 117577

Ion Ratio Lower Upper

164 100

162 102.1 83.7 125.5

160 44.7 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 97.367 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

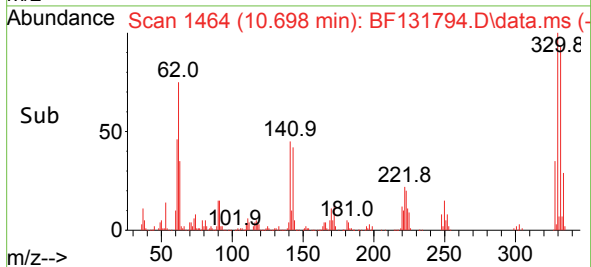
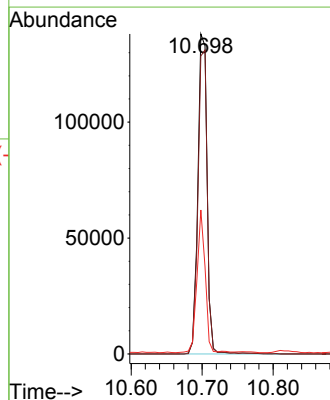
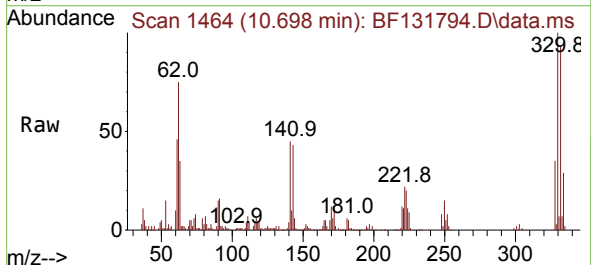
Tgt Ion:330 Resp: 125304

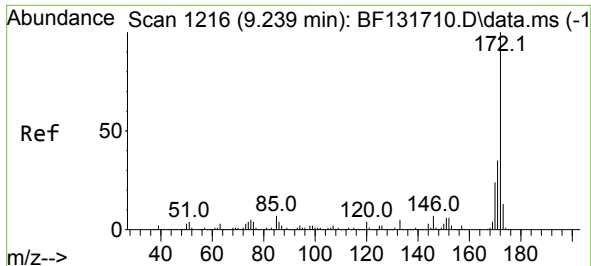
Ion Ratio Lower Upper

330 100

332 95.0 77.1 115.7

141 39.5 30.4 45.6

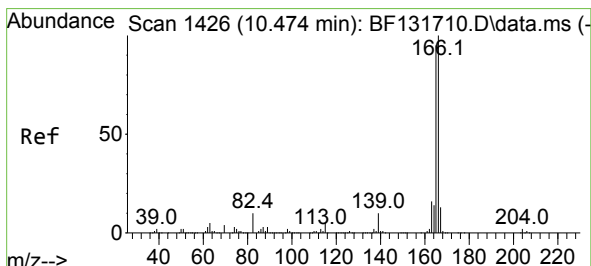
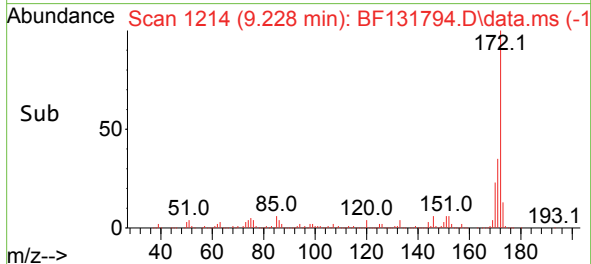
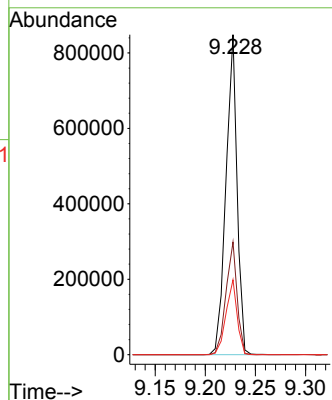
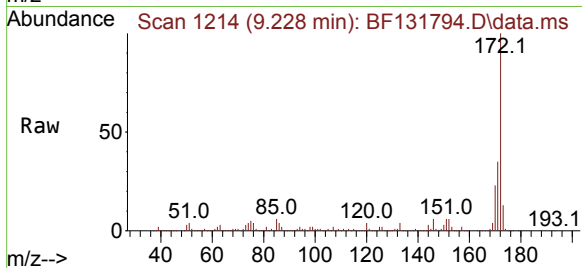




#45
2-Fluorobiphenyl
Concen: 77.734 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

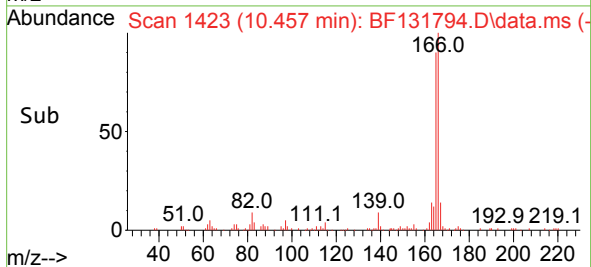
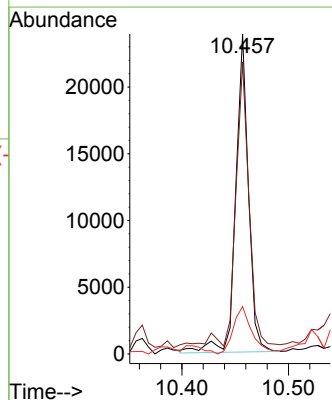
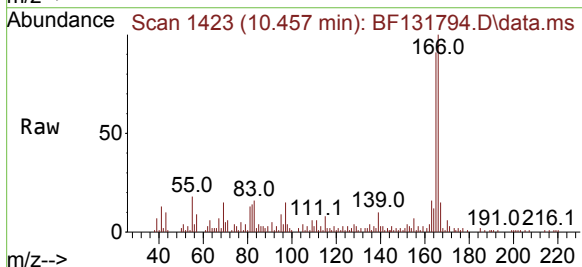
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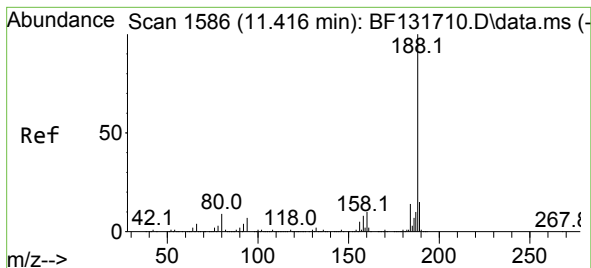
Tgt Ion:172 Resp: 652455
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.4 19.0 28.4



#58
Fluorene
Concen: 2.410 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion:166 Resp: 19884
Ion Ratio Lower Upper
166 100
165 91.2 75.8 113.8
167 14.8 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

COMP-3051

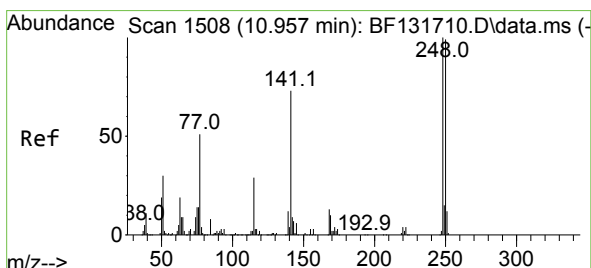
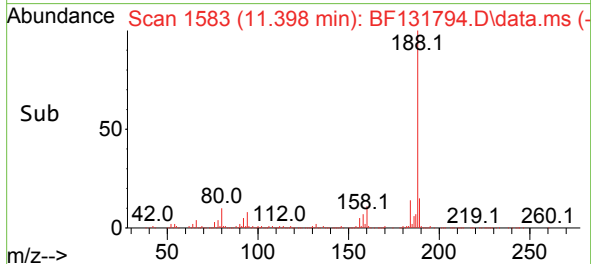
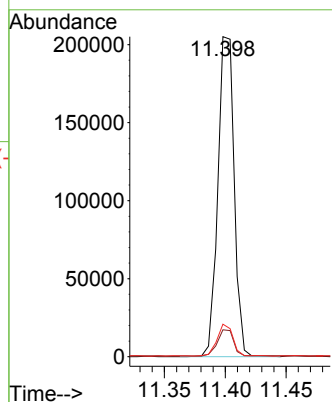
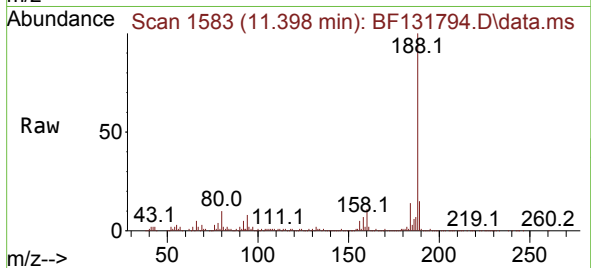
Tgt Ion:188 Resp: 191378

Ion Ratio Lower Upper

188 100

94 8.4 5.9 8.9

80 10.1 7.0 10.6



#67

4-Bromophenyl-phenylether

Concen: 3.919 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.247 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

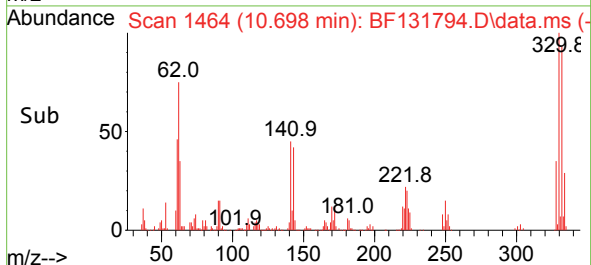
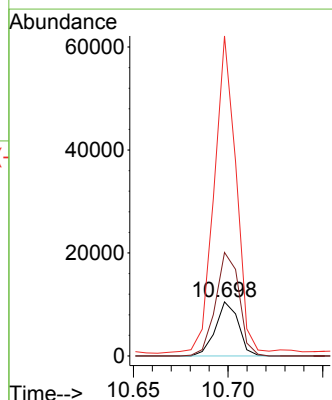
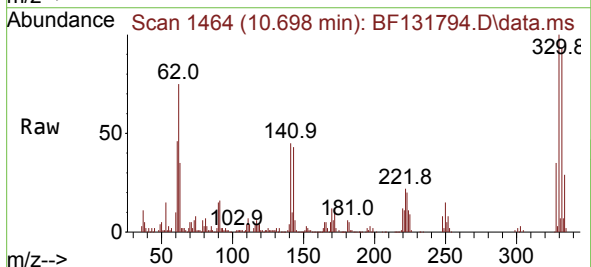
Tgt Ion:248 Resp: 8858

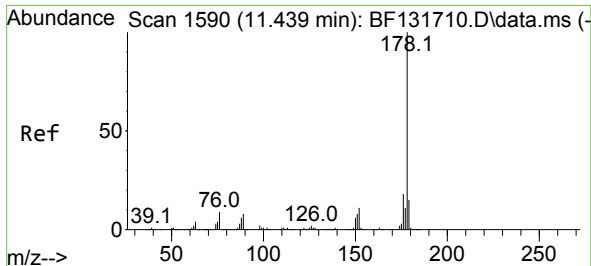
Ion Ratio Lower Upper

248 100

250 191.5 79.4 119.0#

141 592.0 58.1 87.1#

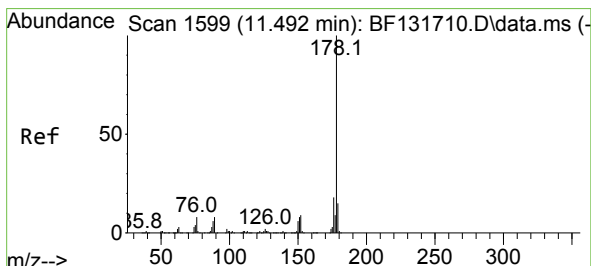
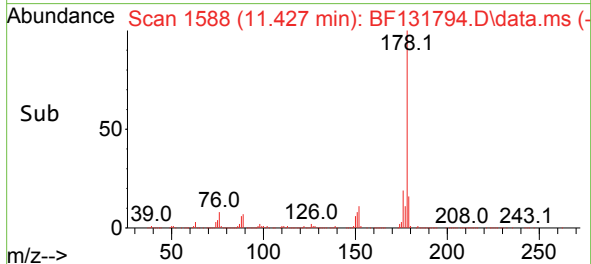
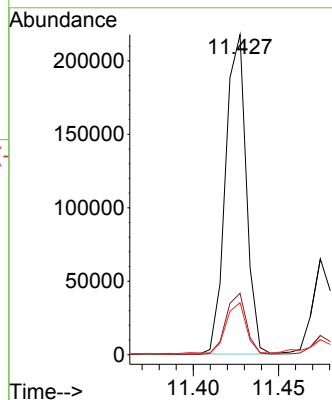
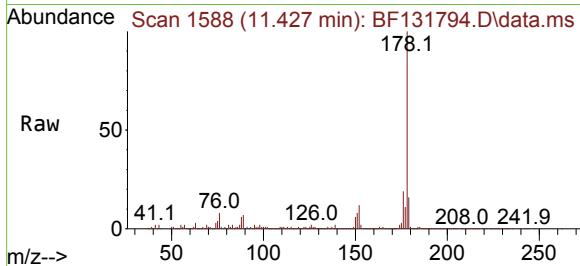




#71
Phenanthrene
Concen: 17.617 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

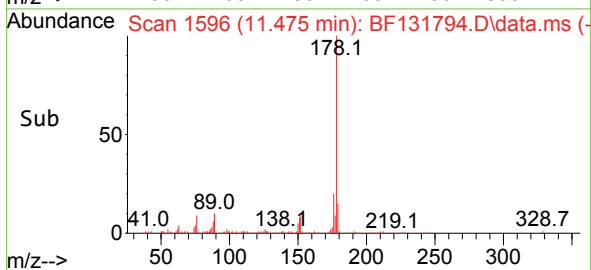
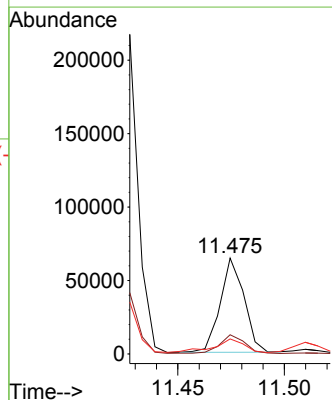
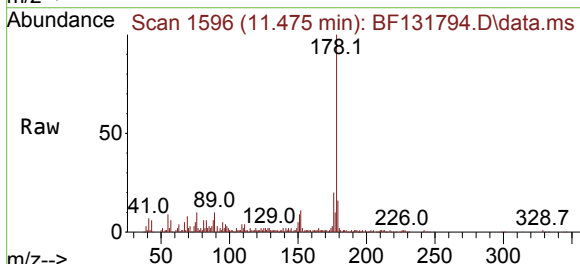
Instrument :
BNA_F
ClientSampleId :
COMP-3051

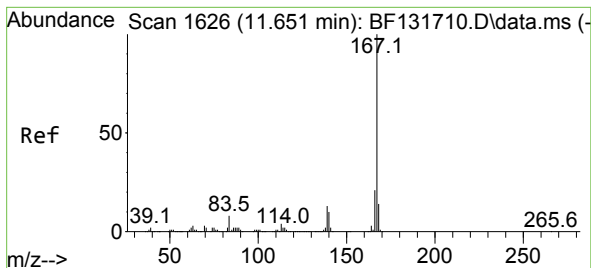
Tgt Ion:178 Resp: 183847
Ion Ratio Lower Upper
178 100
176 19.2 14.8 22.2
179 16.3 12.2 18.4



#72
Anthracene
Concen: 4.909 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion:178 Resp: 50157
Ion Ratio Lower Upper
178 100
176 20.0 14.6 21.8
179 15.8 12.2 18.4





#73

Carbazole

Concen: 2.251 ng

RT: 11.633 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

COMP-3051

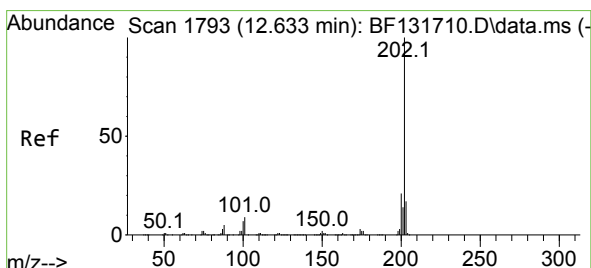
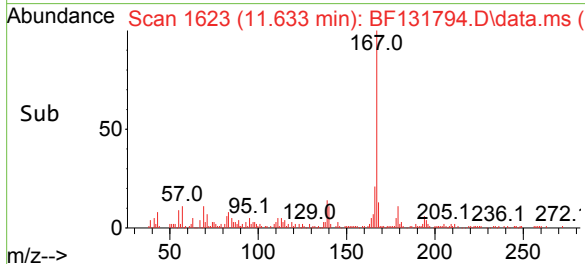
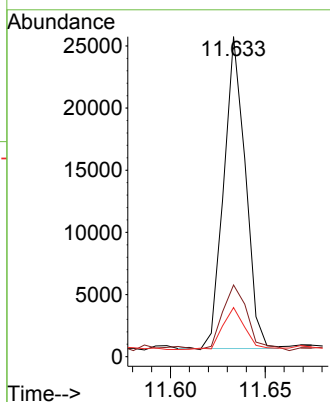
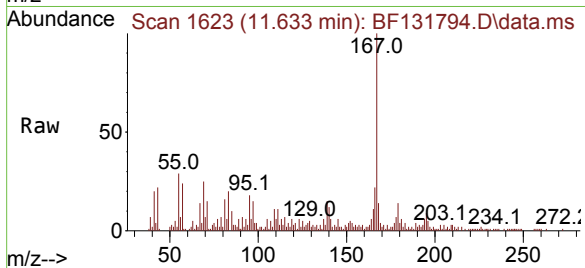
Tgt Ion:167 Resp: 19895

Ion Ratio Lower Upper

167 100

166 22.4 17.1 25.7

139 15.4 10.5 15.7



#75

Fluoranthene

Concen: 21.054 ng

RT: 12.621 min Scan# 1791

Delta R.T. 0.006 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

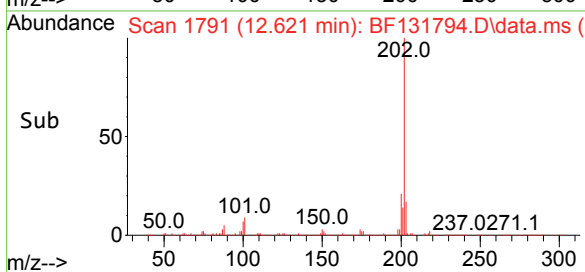
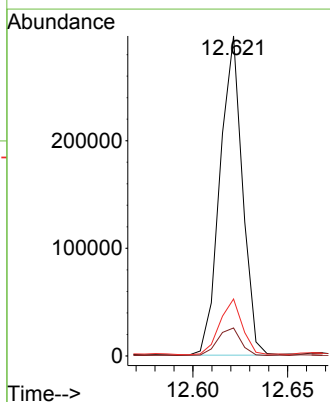
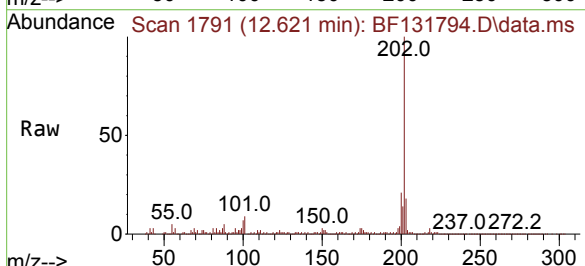
Tgt Ion:202 Resp: 244689

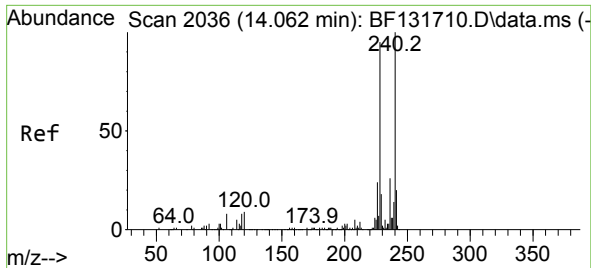
Ion Ratio Lower Upper

202 100

101 8.7 0.0 28.8

203 17.8 0.0 37.1

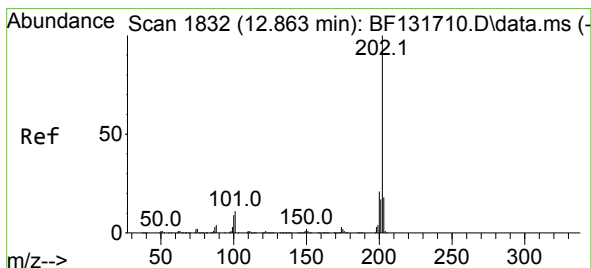
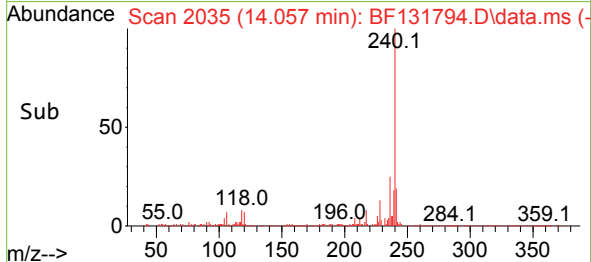
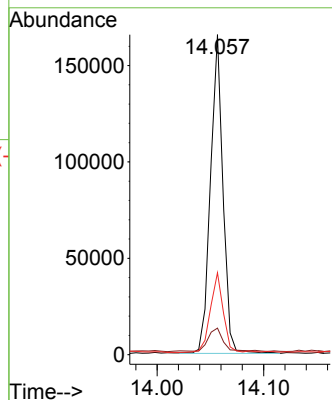
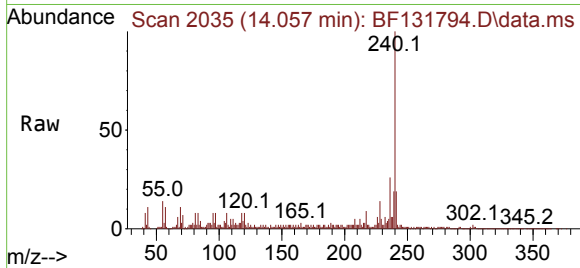




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

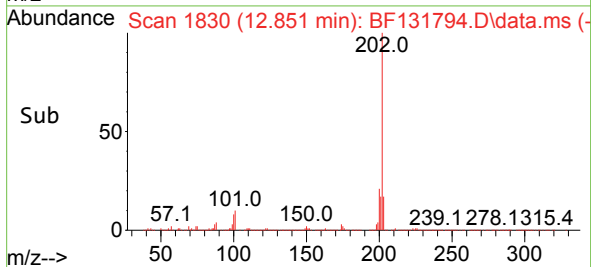
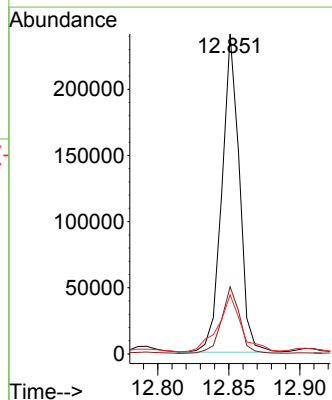
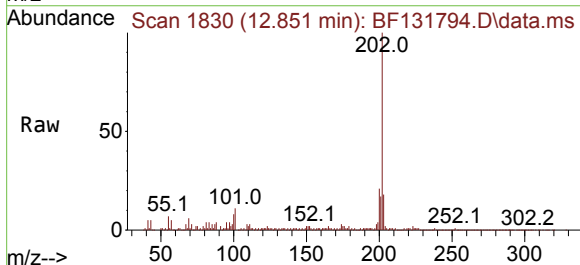
Instrument :
BNA_F
ClientSampleId :
COMP-3051

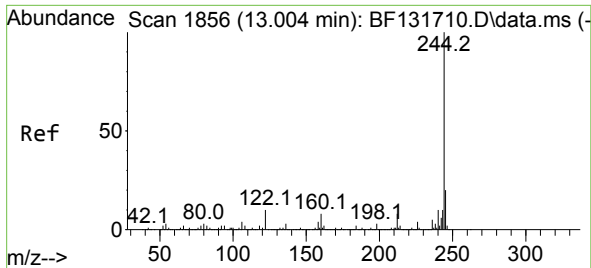
Tgt Ion:240 Resp: 134639
Ion Ratio Lower Upper
240 100
120 8.3 7.6 11.4
236 25.6 21.2 31.8



#78
Pyrene
Concen: 16.757 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion:202 Resp: 205128
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 18.5 14.1 21.1

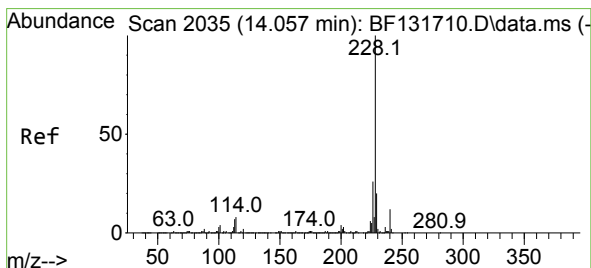
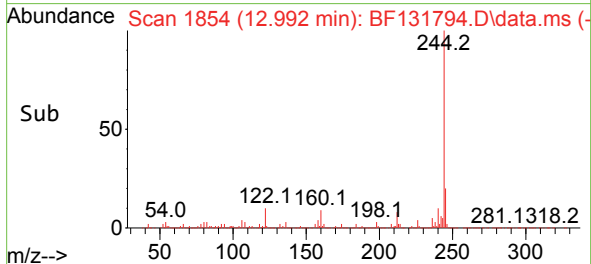
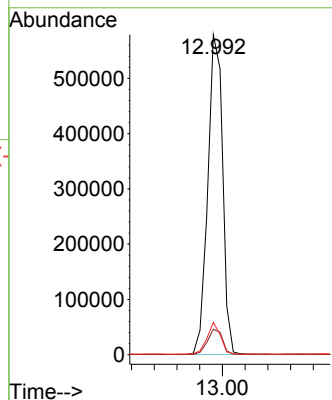
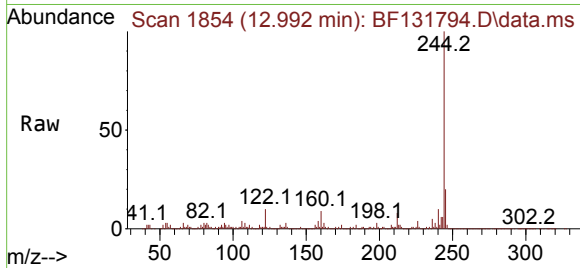




#79
 Terphenyl-d14
 Concen: 60.698 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF131794.D
 Acq: 23 Dec 2022 00:36

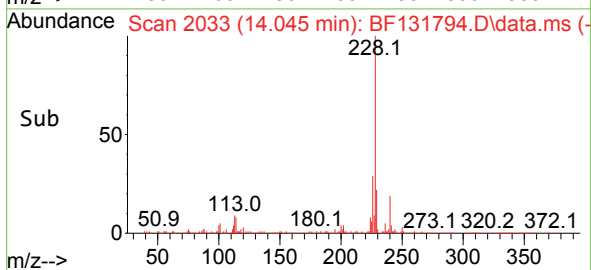
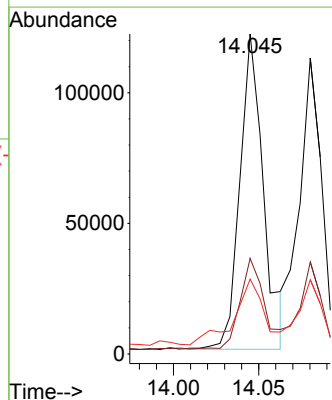
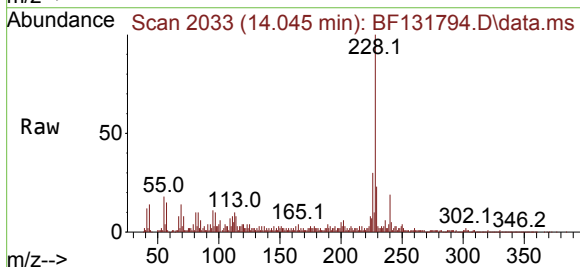
Instrument :
 BNA_F
 ClientSampleId :
 COMP-3051

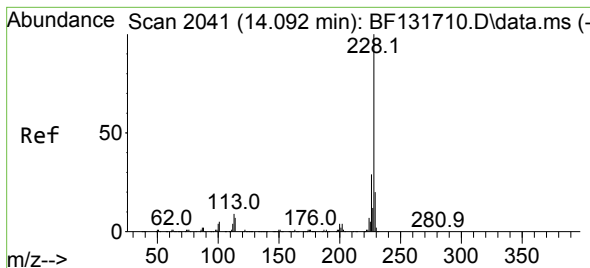
Tgt Ion:244 Resp: 524366
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 10.1 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 11.974 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF131794.D
 Acq: 23 Dec 2022 00:36

Tgt Ion:228 Resp: 116114
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.0 31.4
 229 23.4 15.8 23.8





#83

Chrysene

Concen: 11.347 ng

RT: 14.080 min Scan# 2041

Delta R.T. 0.006 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

COMP-3051

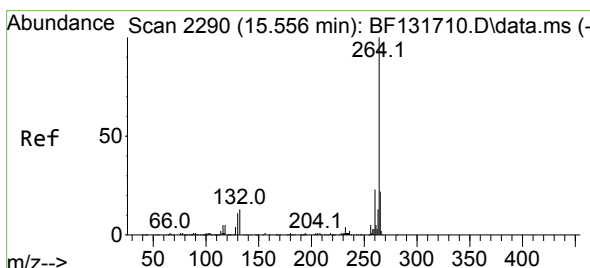
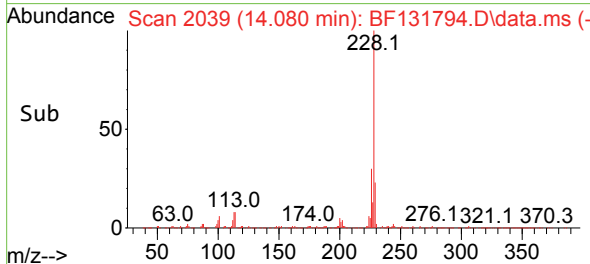
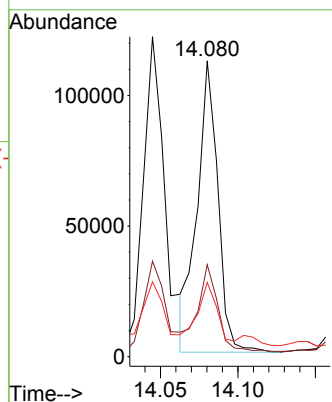
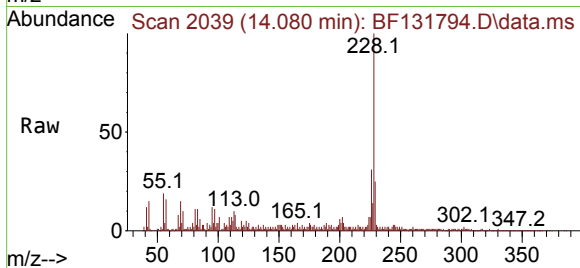
Tgt Ion:228 Resp: 103848

Ion Ratio Lower Upper

228 100

226 31.1 23.5 35.3

229 25.1 15.6 23.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.018 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

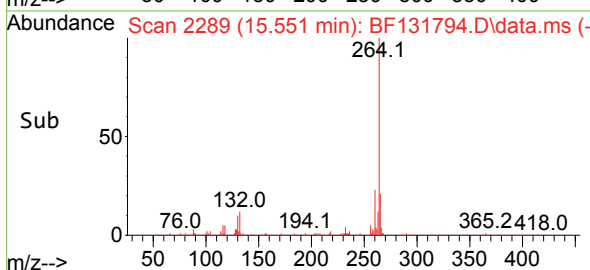
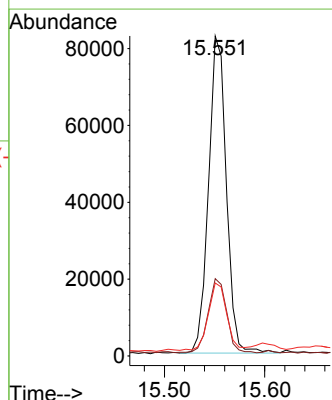
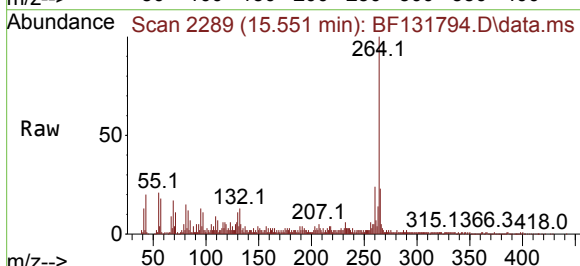
Tgt Ion:264 Resp: 102148

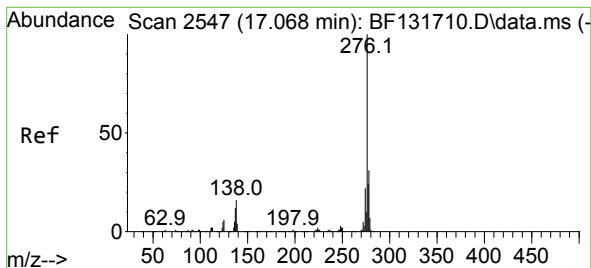
Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 22.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.683 ng

RT: 17.056 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

COMP-3051

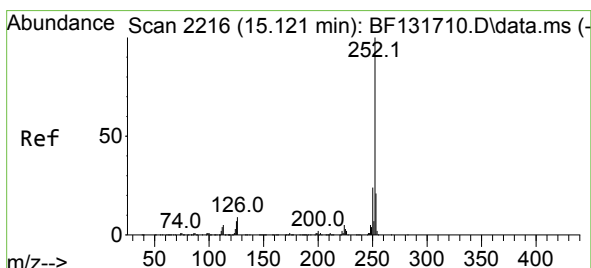
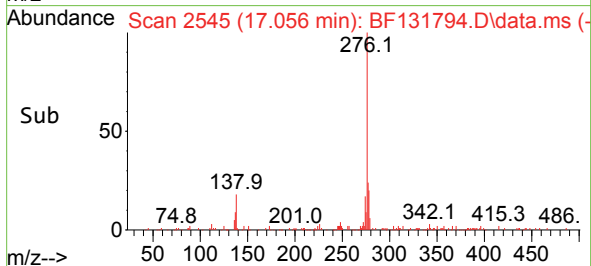
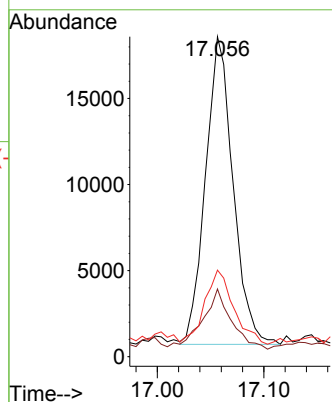
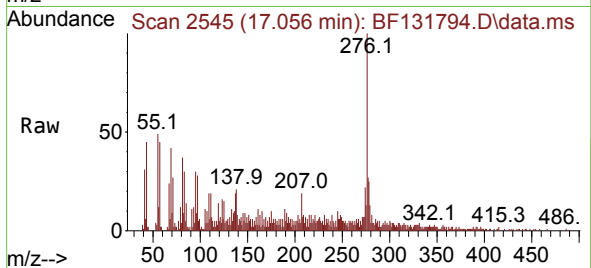
Tgt Ion:276 Resp: 32128

Ion Ratio Lower Upper

276 100

138 20.5 14.4 21.6

277 25.3 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 16.417 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.012 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

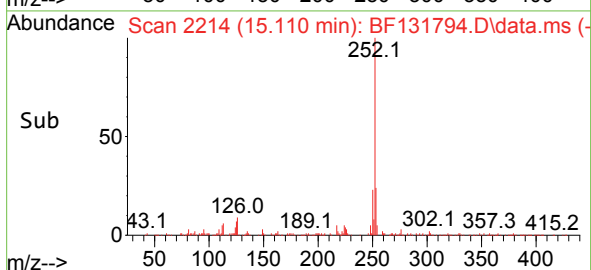
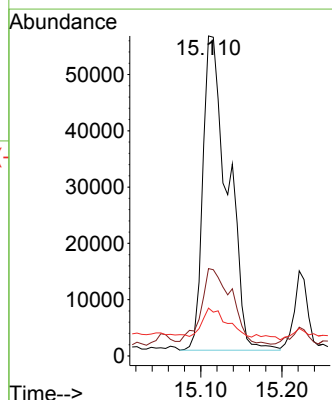
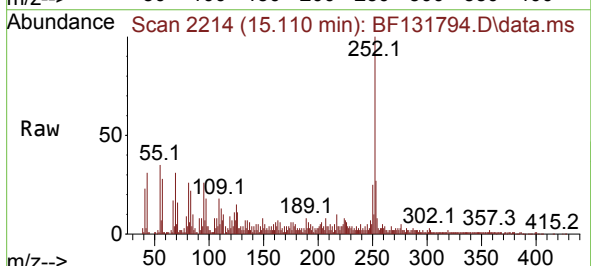
Tgt Ion:252 Resp: 118642

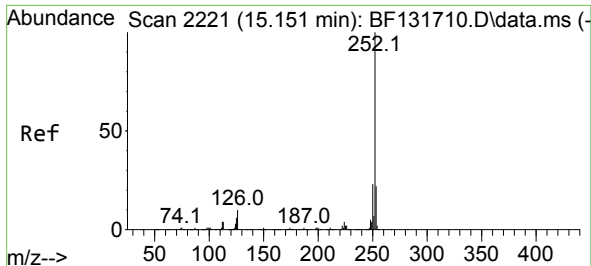
Ion Ratio Lower Upper

252 100

253 27.3 17.2 25.8#

125 15.0 5.5 8.3#

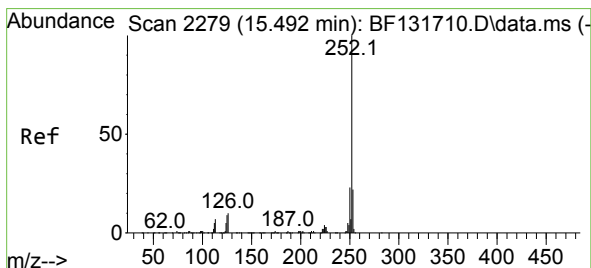
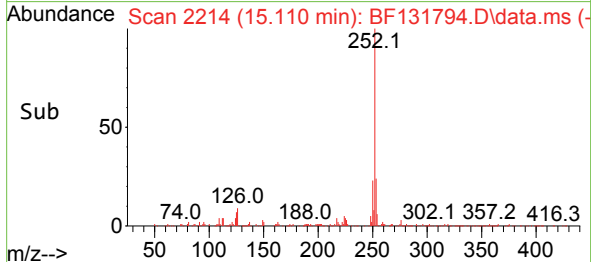
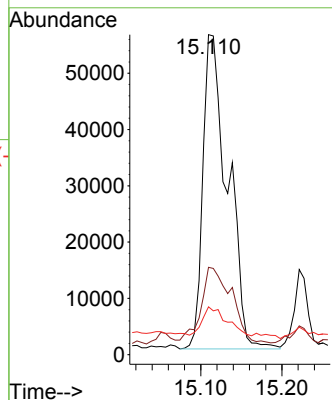
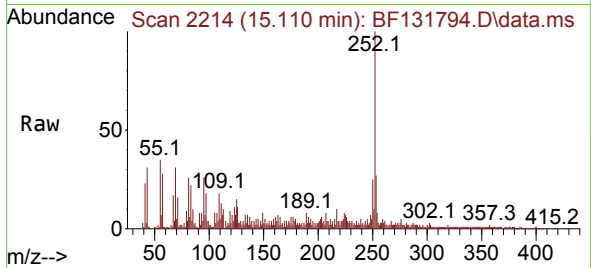




#89
Benzo(k)fluoranthene
Concen: 16.824 ng
RT: 15.110 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

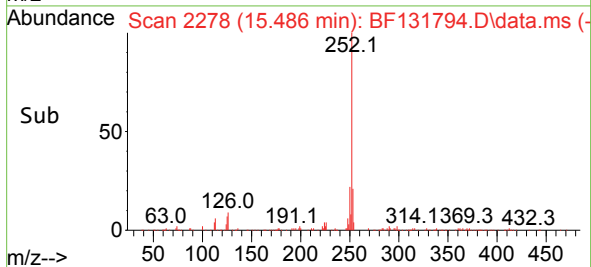
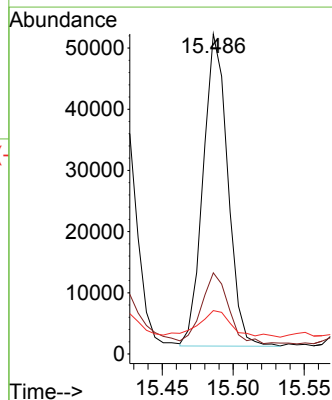
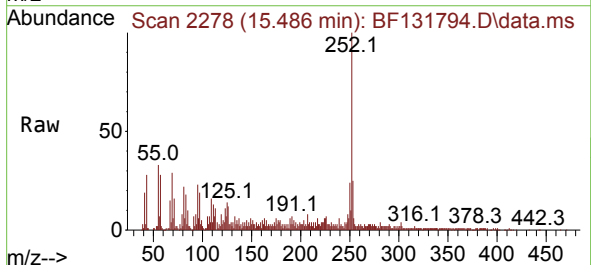
Instrument :
BNA_F
ClientSampleId :
COMP-3051

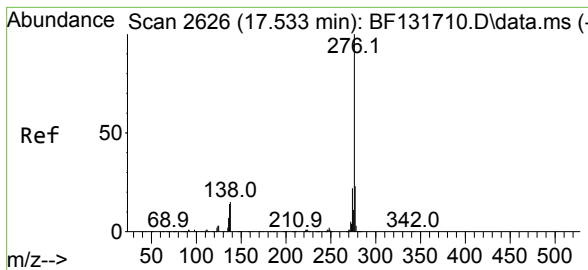
Tgt Ion:252 Resp: 118642
Ion Ratio Lower Upper
252 100
253 27.3 17.8 26.8#
125 15.0 5.2 7.8#



#90
Benzo(a)pyrene
Concen: 10.742 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.012 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

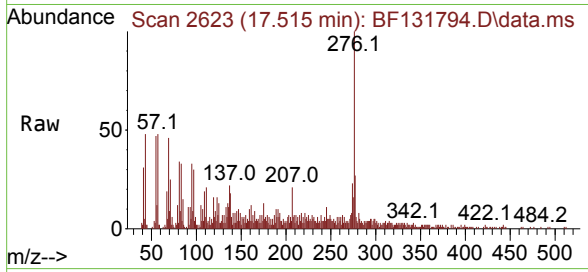
Tgt Ion:252 Resp: 61493
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 13.5 7.0 10.4#





#92
 Benzo(g,h,i)perylene
 Concen: 6.211 ng
 RT: 17.515 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF131794.D
 Acq: 23 Dec 2022 00:36

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3051



Tgt Ion:	276	Resp:	34806
Ion Ratio	Lower	Upper	
276	100		
277	27.1	18.3	27.5
138	17.6	12.3	18.5

