

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131790.D
 Acq On : 22 Dec 2022 22:24
 Operator : CG\JU
 Sample : N6097-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FVSUB-TP1-COMP-01

Quant Time: Dec 23 03:36:05 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)

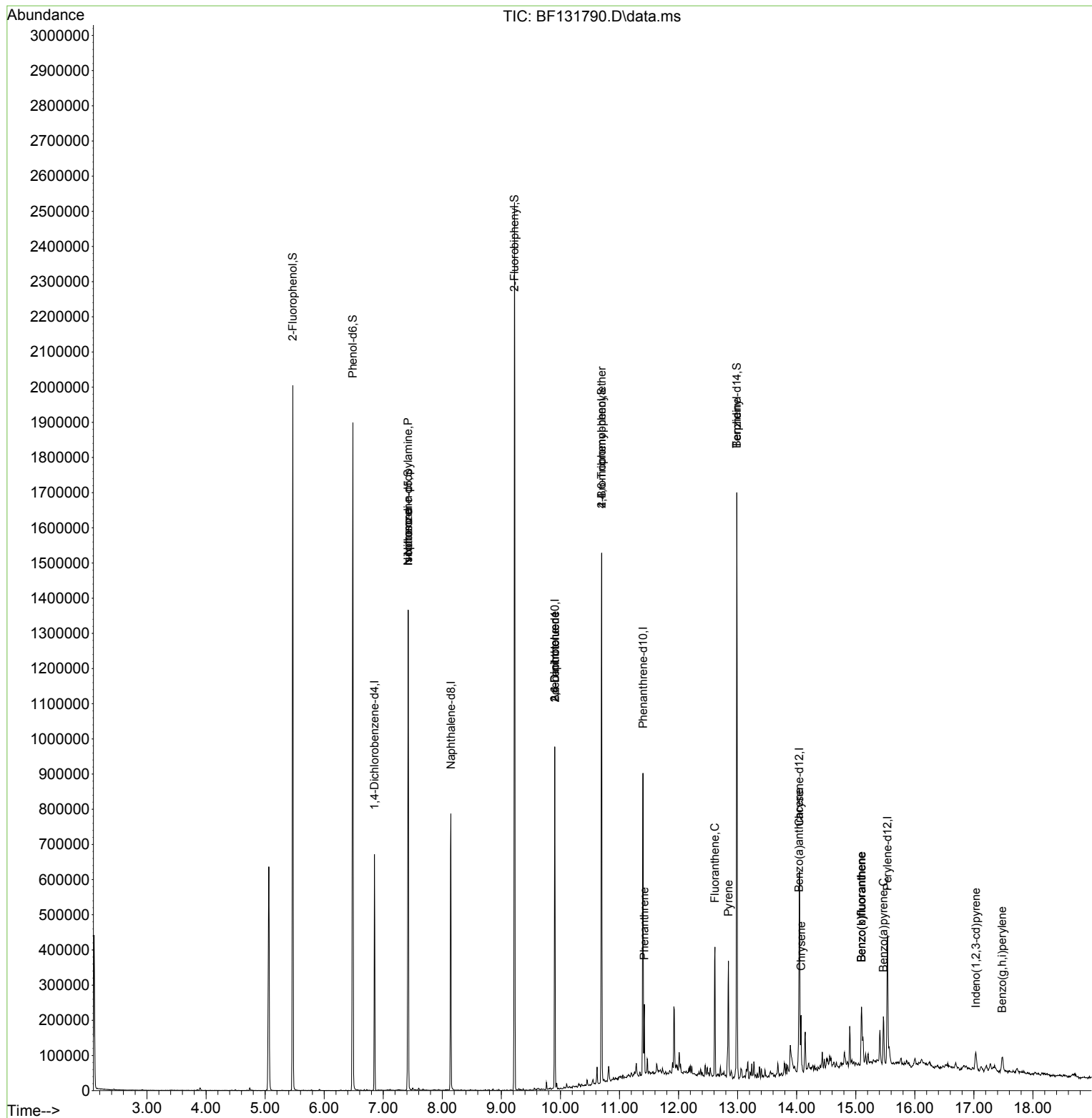
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	82176	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	301285	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	169319	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	278945	20.000	ng	0.00
76) Chrysene-d12	14.045	240	160130	20.000	ng	0.00
86) Perylene-d12	15.539	264	173389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	465846	95.458	ng	0.01
7) Phenol-d6	6.487	99	611854	93.149	ng	0.00
23) Nitrobenzene-d5	7.422	82	440822	59.398	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	147830	79.767	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	697328	57.692	ng	0.00
79) Terphenyl-d14	12.986	244	529448	51.531	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.410	77	72	Below Cal	#	81
19) n-Nitroso-di-n-propyla...	7.422	70	61083	12.894	ng	# 81
25) Isophorone	7.422	82	439028	34.833	ng	# 70
51) 2,6-Dinitrotoluene	9.904	165	21618	7.891	ng	# 19
57) 2,4-Dinitrotoluene	9.904	165	21618	5.873	ng	# 18
67) 4-Bromophenyl-phenylether	10.698	248	10547	3.201	ng	# 1
71) Phenanthrene	11.422	178	65069	4.278	ng	97
75) Fluoranthene	12.616	202	142885	8.435	ng	99
77) Benzidine	12.986	184	8238	2.806	ng	# 89
78) Pyrene	12.845	202	131904	9.060	ng	98
81) Benzo(a)anthracene	14.039	228	68159	5.910	ng	95
83) Chrysene	14.074	228	66242	6.086	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	34694	2.979	ng	98
88) Benzo(b)fluoranthene	15.098	252	119579	9.748	ng	# 97
89) Benzo(k)fluoranthene	15.098	252	119579	9.990	ng	# 98
90) Benzo(a)pyrene	15.468	252	65003	6.690	ng	100
92) Benzo(g,h,i)perylene	17.480	276	35788	3.762	ng	# 97

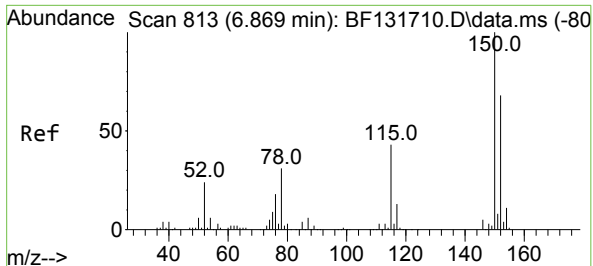
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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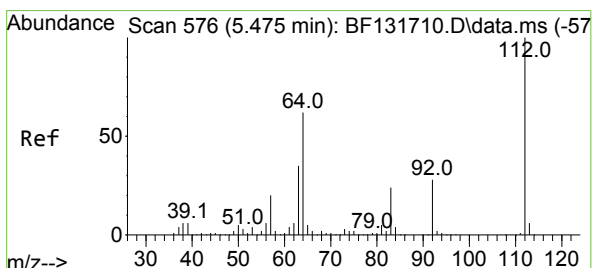
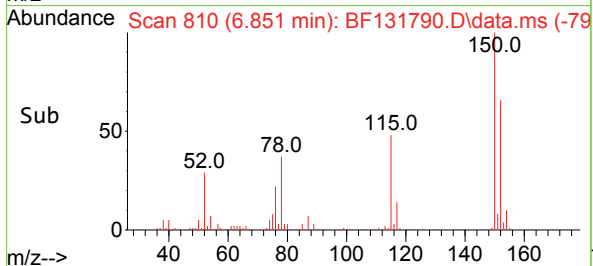
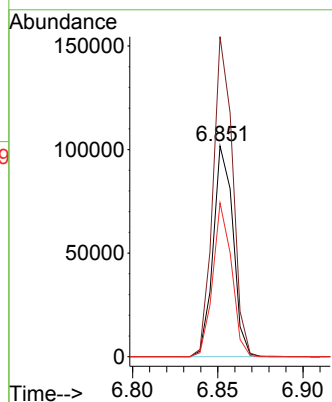
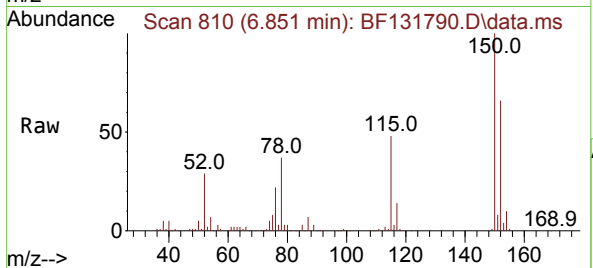




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

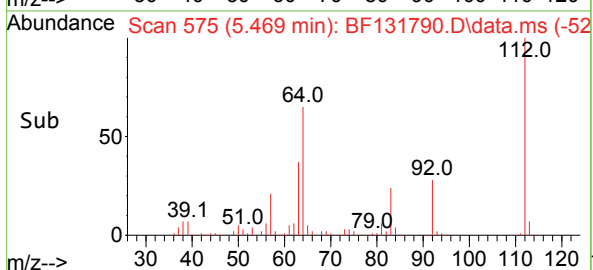
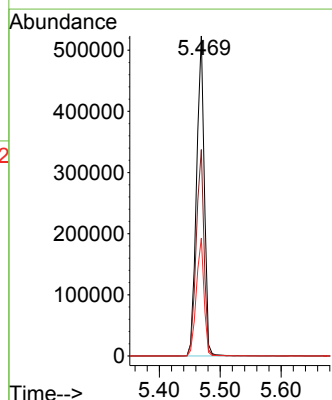
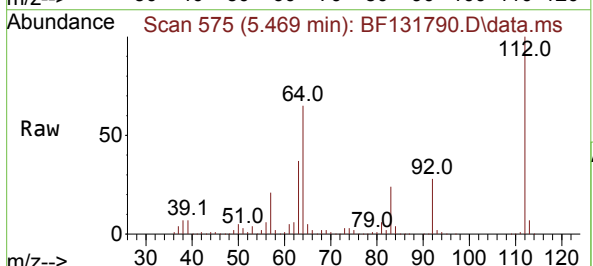
Instrument :
BNA_F
ClientSampleId :
FVSUB-TP1-COMP-01

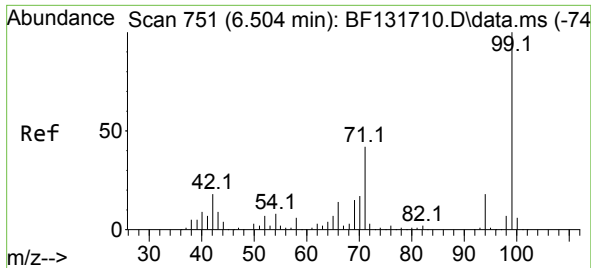
Tgt Ion:152 Resp: 82176
Ion Ratio Lower Upper
152 100
150 151.8 117.4 176.0
115 73.0 50.2 75.4



#5
2-Fluorophenol
Concen: 95.458 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion:112 Resp: 465846
Ion Ratio Lower Upper
112 100
64 64.5 49.5 74.3
63 36.8 28.2 42.2

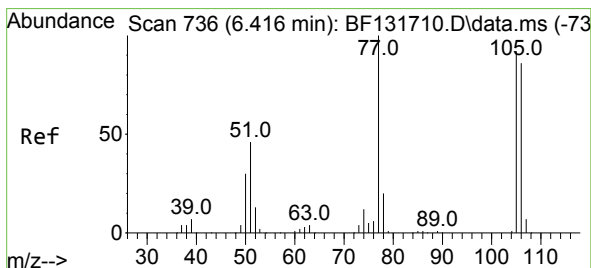
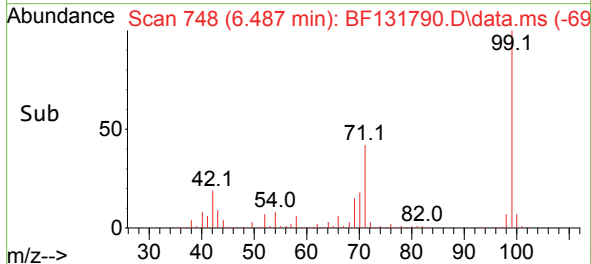
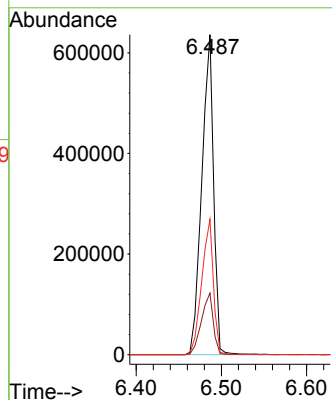
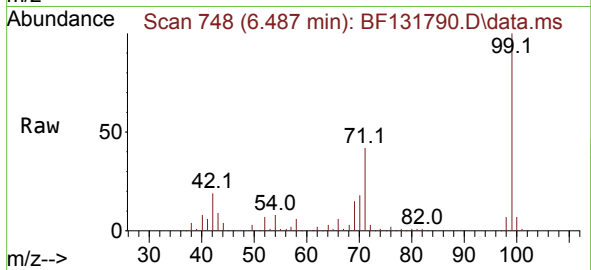




#7
Phenol-d6
Concen: 93.149 ng
RT: 6.487 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

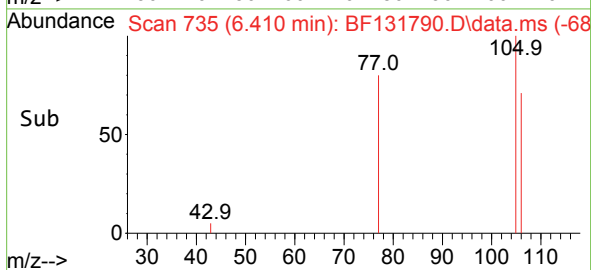
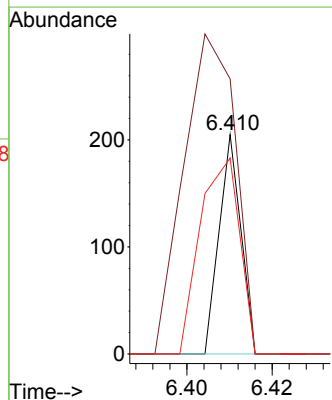
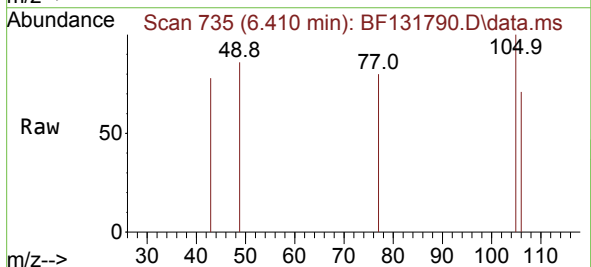
Instrument :
BNA_F
ClientSampleId :
FVSUB-TP1-COMP-01

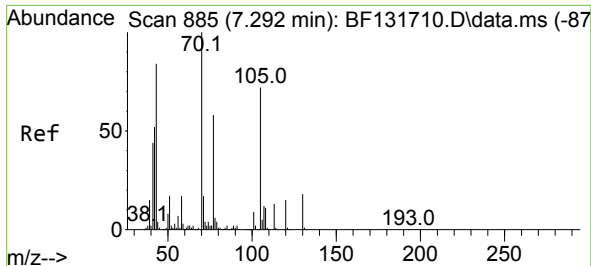
Tgt Ion: 99 Resp: 611854
Ion Ratio Lower Upper
99 100
42 19.3 14.8 22.2
71 42.3 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.410 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion: 77 Resp: 72
Ion Ratio Lower Upper
77 100
105 125.4 72.4 112.4#
106 89.3 66.5 106.5

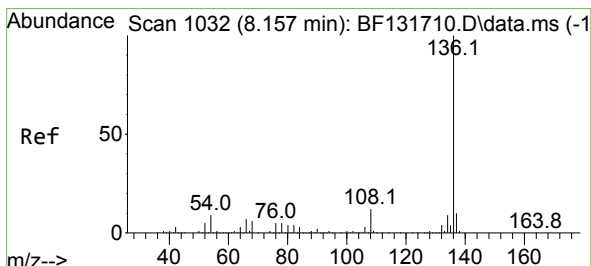
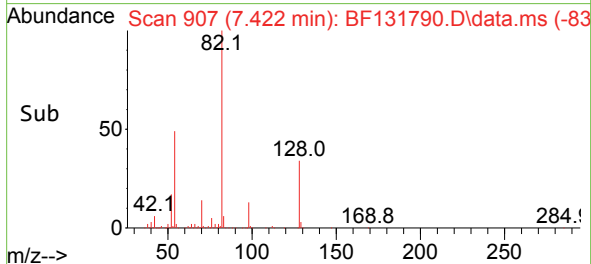
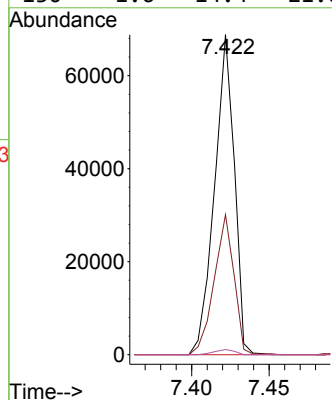
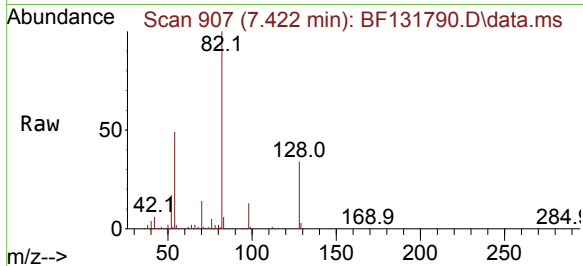




#19
n-Nitroso-di-n-propylamine
Concen: 12.894 ng
RT: 7.422 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

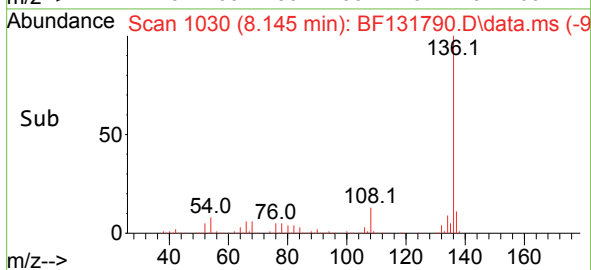
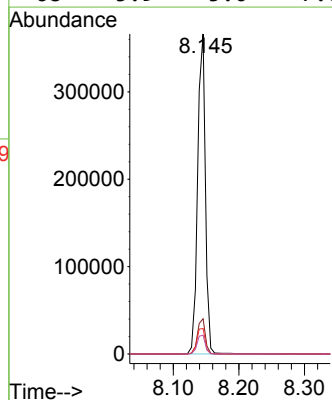
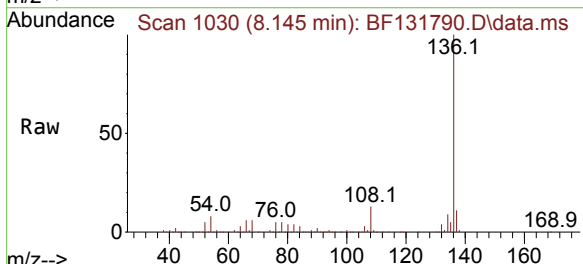
Instrument :
BNA_F
ClientSampleId :
FVSUB-TP1-COMP-01

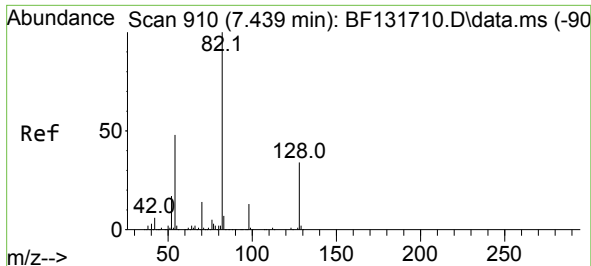
Tgt Ion:	70	Resp:	61083
Ion	Ratio	Lower	Upper
70	100		
42	43.7	41.5	62.3
101	0.0	7.3	10.9#
130	1.6	14.4	21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion:	136	Resp:	301285
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.0	7.2	10.8
68	5.9	5.0	7.6

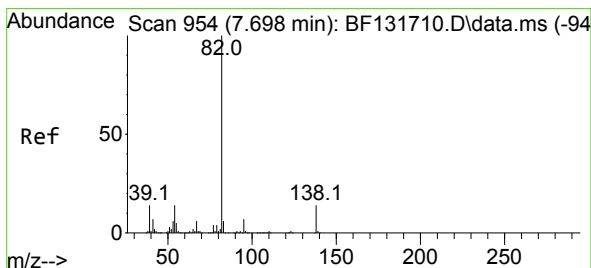
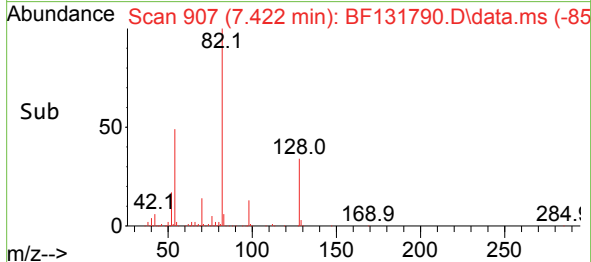
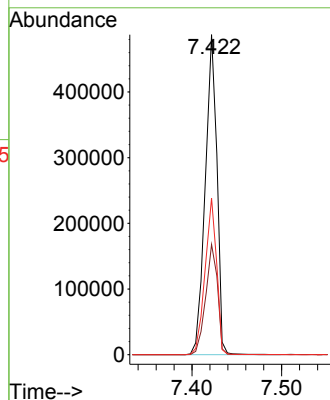
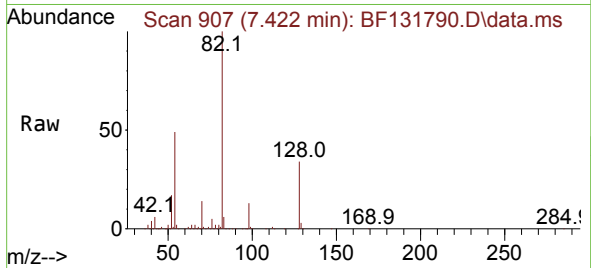




#23
Nitrobenzene-d5
Concen: 59.398 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

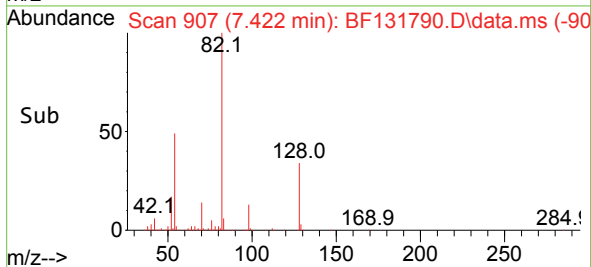
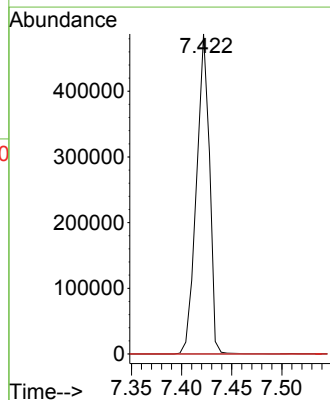
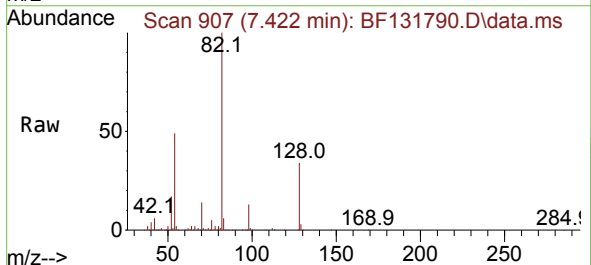
Instrument :
BNA_F
ClientSampleId :
FVSUB-TP1-COMP-01

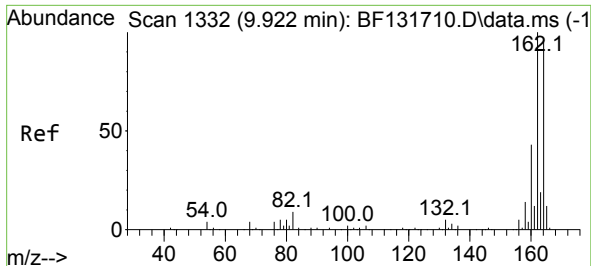
Tgt Ion: 82 Resp: 440822
Ion Ratio Lower Upper
82 100
128 34.4 27.3 40.9
54 49.0 38.2 57.2



#25
Isophorone
Concen: 34.833 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.265 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion: 82 Resp: 439028
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131790.D

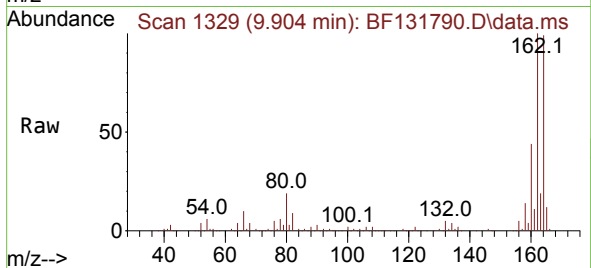
Acq: 22 Dec 2022 22:24

Instrument :

BNA_F

ClientSampleId :

FVSUB-TP1-COMP-01



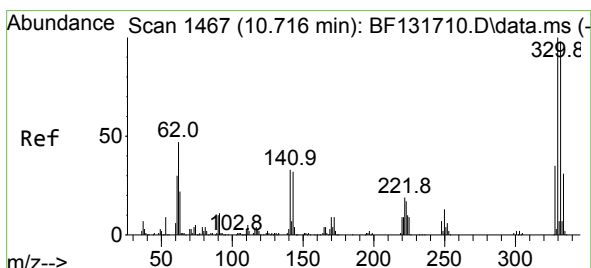
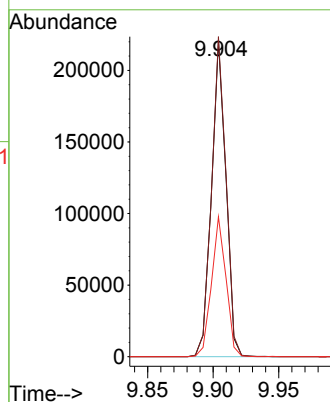
Tgt Ion:164 Resp: 169319

Ion Ratio Lower Upper

164 100

162 101.3 83.7 125.5

160 44.3 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 79.767 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF131790.D

Acq: 22 Dec 2022 22:24

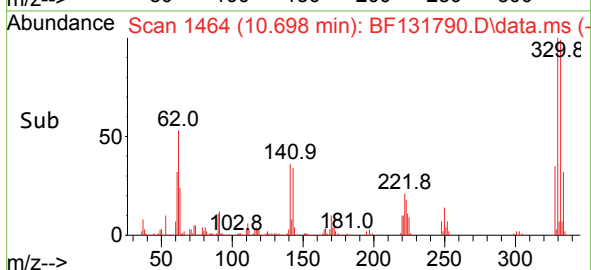
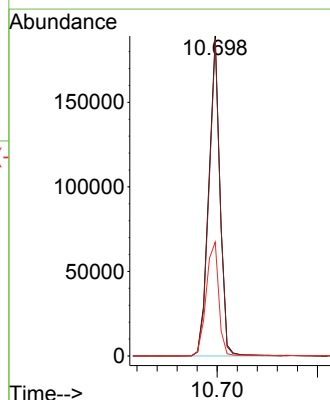
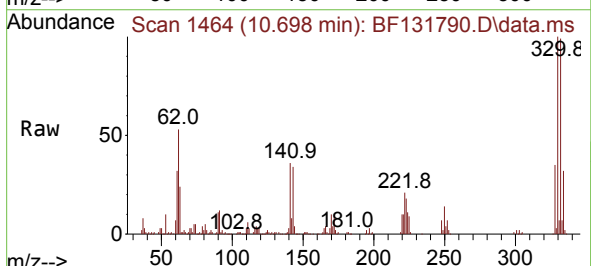
Tgt Ion:330 Resp: 147830

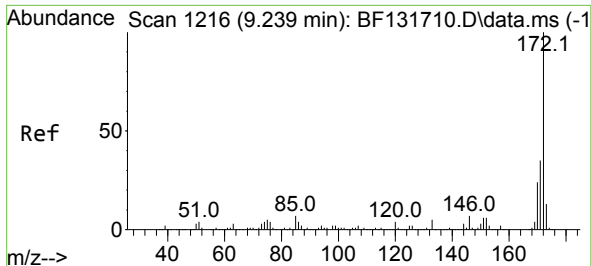
Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 40.2 30.4 45.6





#45

2-Fluorobiphenyl

Concen: 57.692 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131790.D

Acq: 22 Dec 2022 22:24

Instrument :

BNA_F

ClientSampleId :

FVSUB-TP1-COMP-01

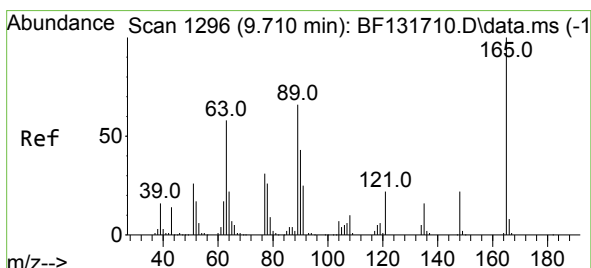
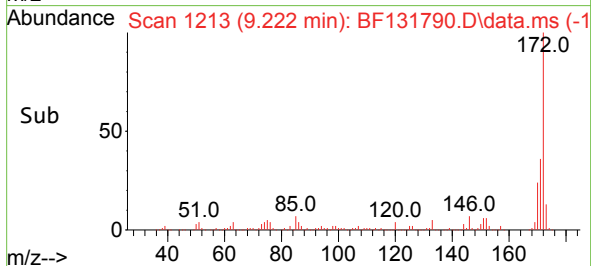
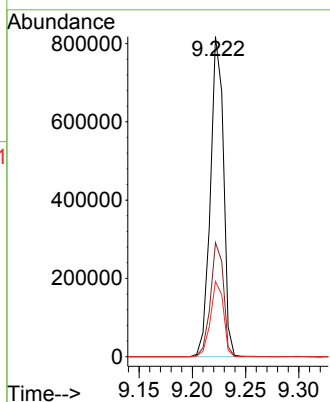
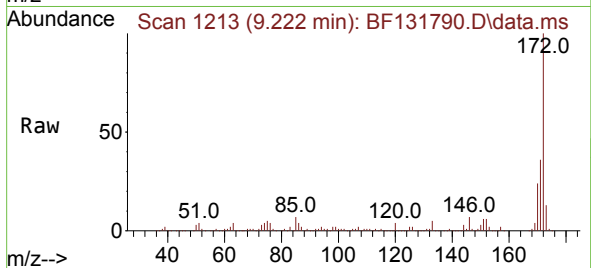
Tgt Ion:172 Resp: 697328

Ion Ratio Lower Upper

172 100

171 35.6 27.9 41.9

170 23.5 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 7.891 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.206 min

Lab File: BF131790.D

Acq: 22 Dec 2022 22:24

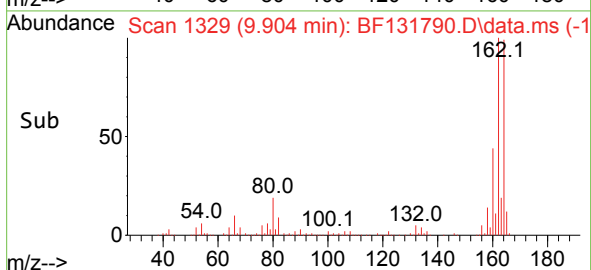
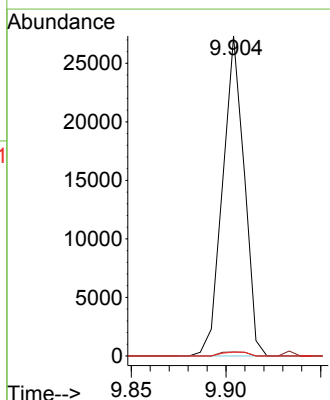
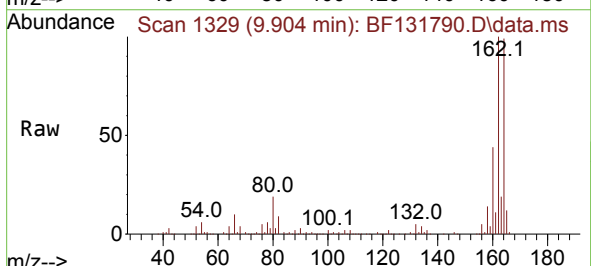
Tgt Ion:165 Resp: 21618

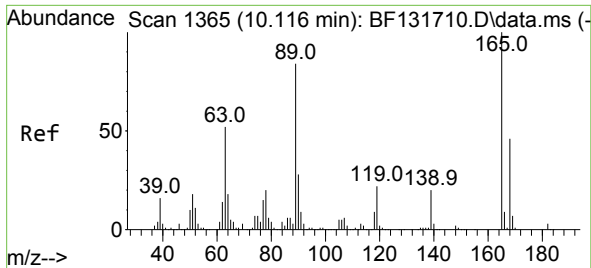
Ion Ratio Lower Upper

165 100

63 1.3 51.8 77.8#

89 1.2 53.2 79.8#

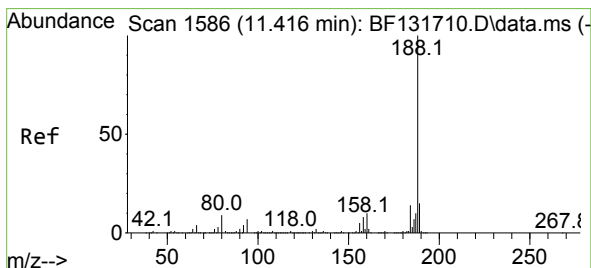
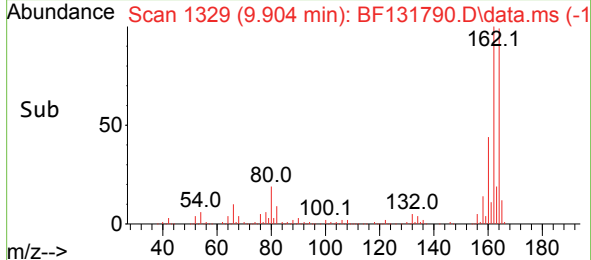
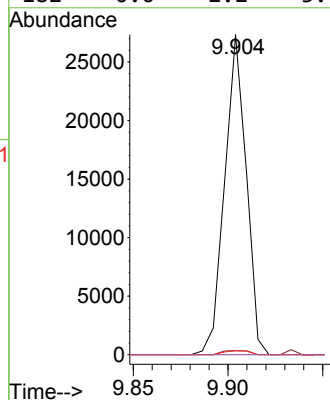
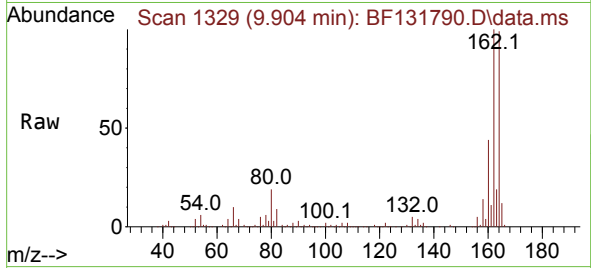




#57
2,4-Dinitrotoluene
Concen: 5.873 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

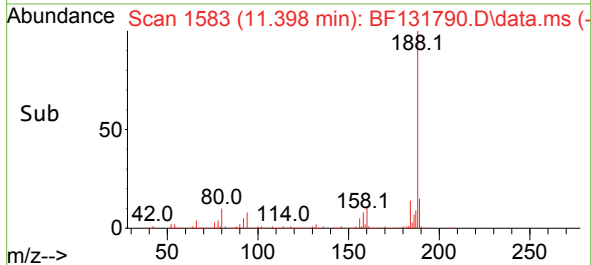
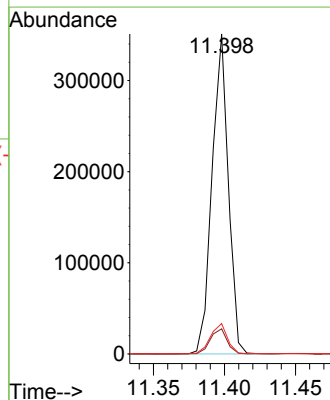
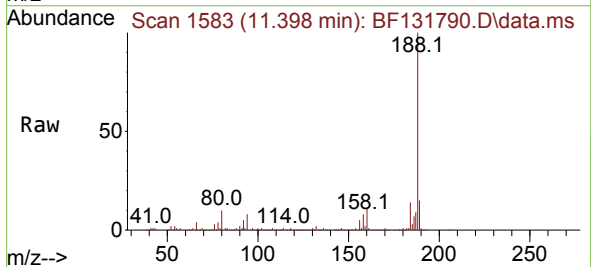
Instrument :
BNA_F
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FVSUB-TP1-COMP-01

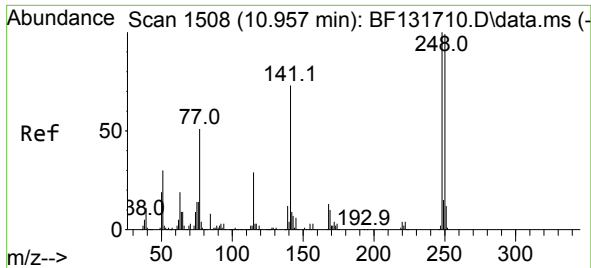
Tgt Ion:165 Resp: 21618
Ion Ratio Lower Upper
165 100
63 1.3 41.5 62.3#
89 1.2 67.0 100.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion:188 Resp: 278945
Ion Ratio Lower Upper
188 100
94 7.8 5.9 8.9
80 9.5 7.0 10.6

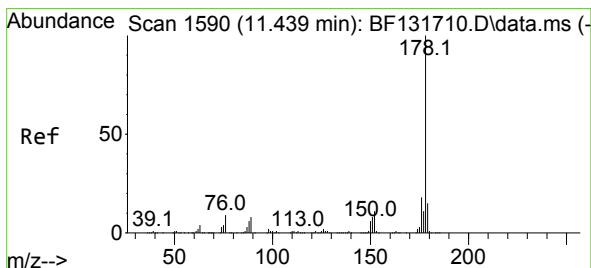
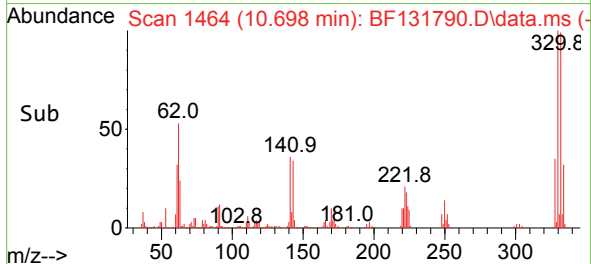
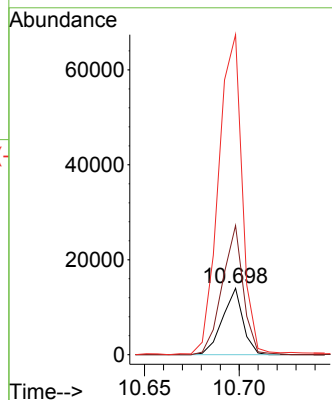
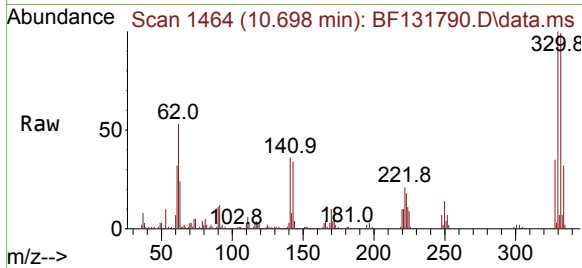




#67
4-Bromophenyl-phenylether
Concen: 3.201 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

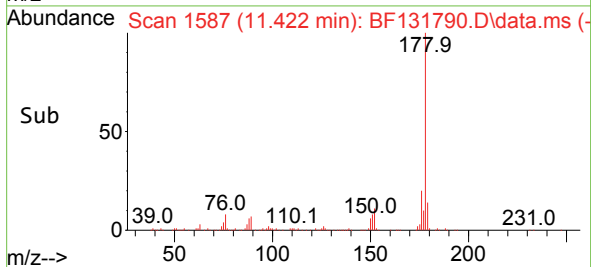
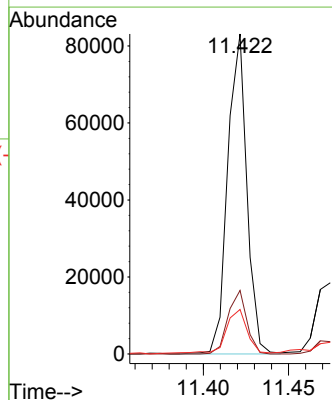
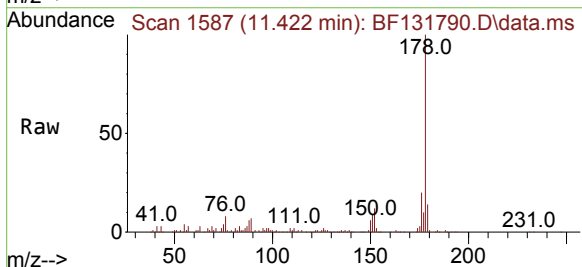
Instrument :
BNA_F
ClientSampleId :
FVSUB-TP1-COMP-01

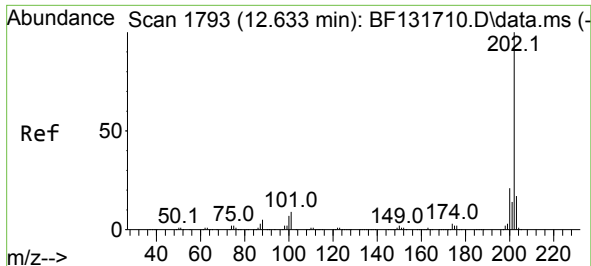
Tgt Ion:248 Resp: 10547
Ion Ratio Lower Upper
248 100
250 194.7 79.4 119.0#
141 482.3 58.1 87.1#



#71
Phenanthrene
Concen: 4.278 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion:178 Resp: 65069
Ion Ratio Lower Upper
178 100
176 19.8 14.8 22.2
179 13.9 12.2 18.4

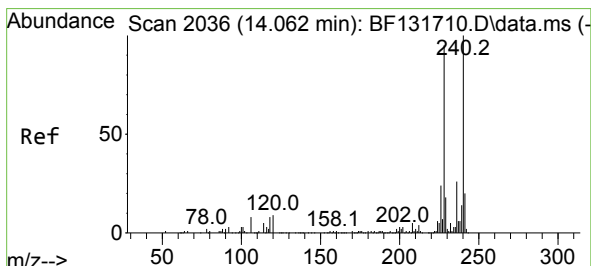
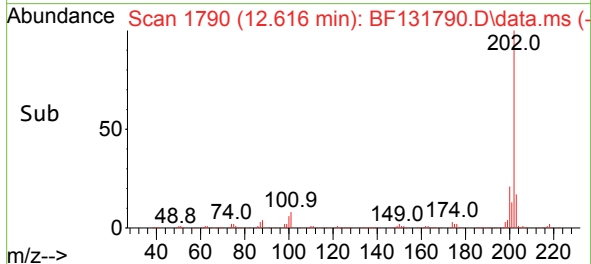
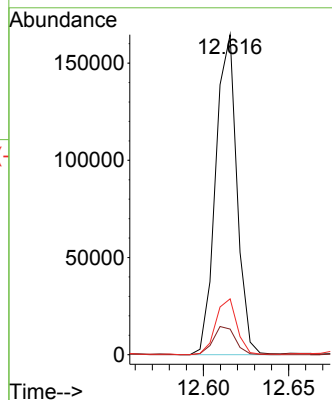
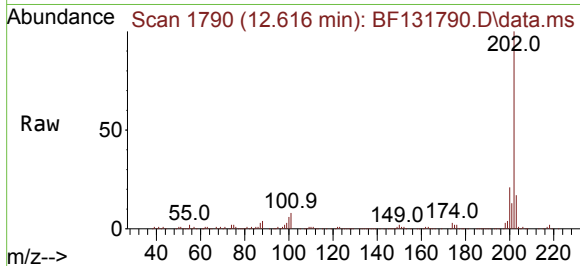




#75
Fluoranthene
Concen: 8.435 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

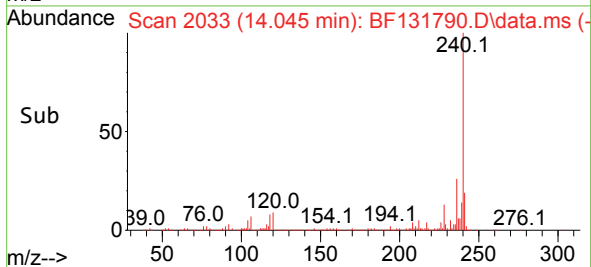
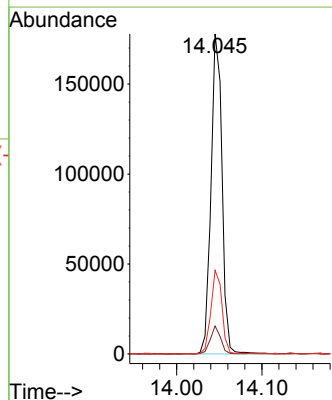
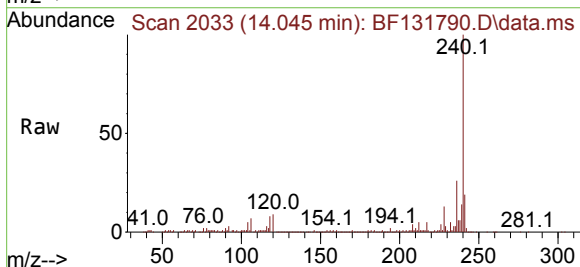
Instrument :
BNA_F
ClientSampleId :
FVSUB-TP1-COMP-01

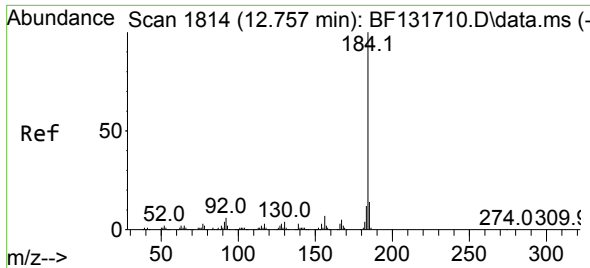
Tgt Ion:202 Resp: 142885
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.8
203 17.5 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion:240 Resp: 160130
Ion Ratio Lower Upper
240 100
120 8.7 7.6 11.4
236 26.2 21.2 31.8

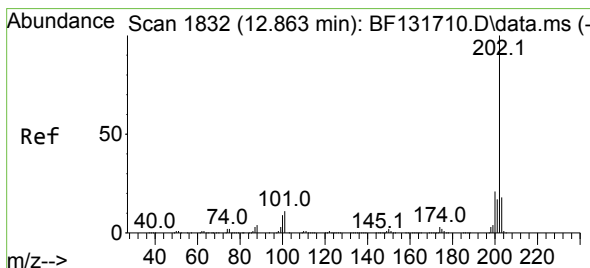
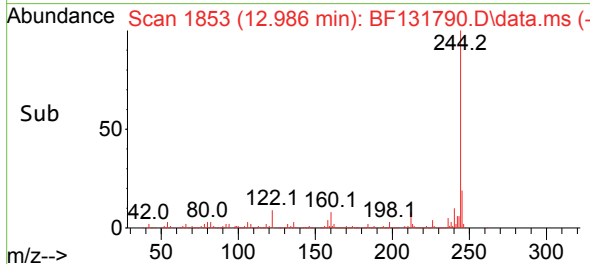
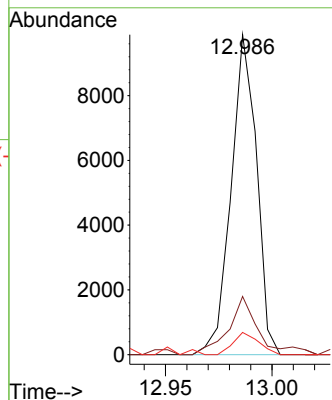
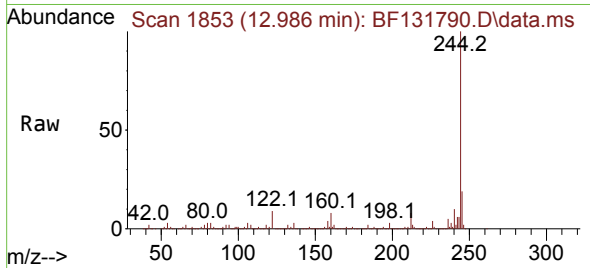




#77
Benzidine
Concen: 2.806 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.247 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

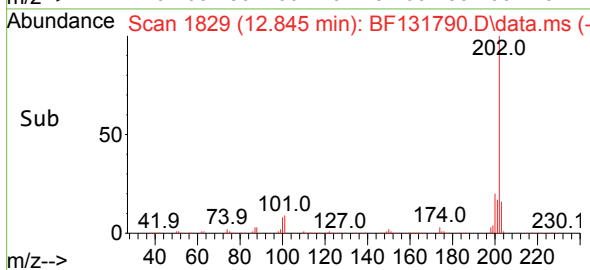
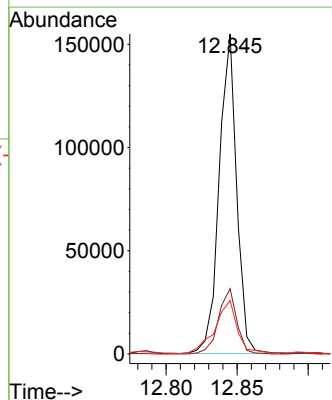
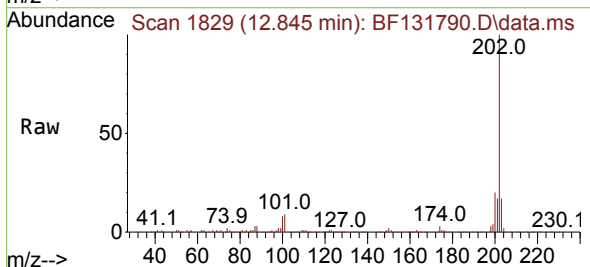
Instrument :
BNA_F
ClientSampleId :
FVSUB-TP1-COMP-01

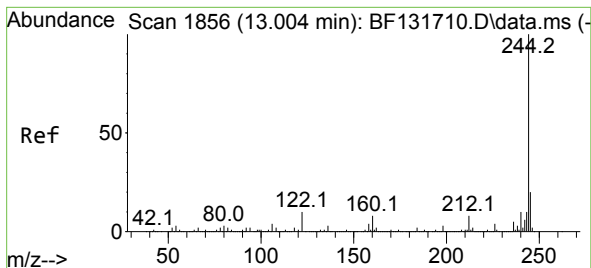
Tgt Ion:184 Resp: 8238
Ion Ratio Lower Upper
184 100
185 18.2 11.3 16.9#
183 6.9 9.3 13.9#



#78
Pyrene
Concen: 9.060 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion:202 Resp: 131904
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 16.7 14.1 21.1





#79

Terphenyl-d14

Concen: 51.531 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131790.D

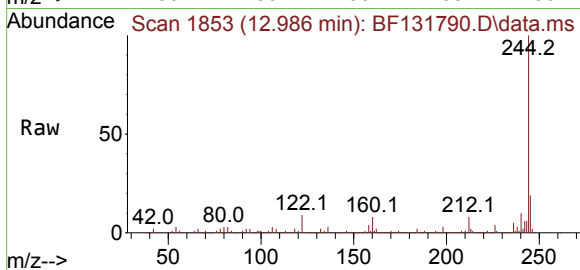
Acq: 22 Dec 2022 22:24

Instrument :

BNA_F

ClientSampleId :

FVSUB-TP1-COMP-01



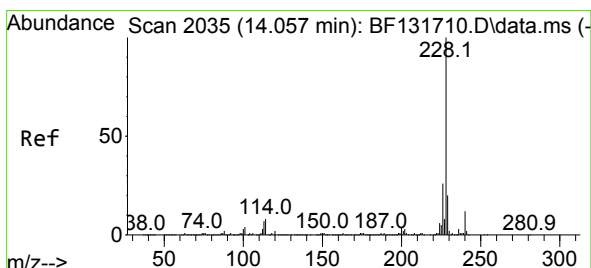
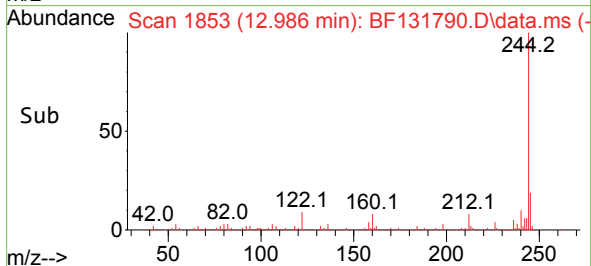
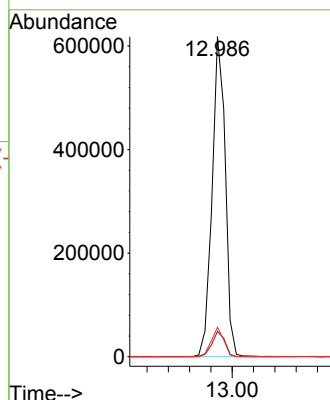
Tgt Ion:244 Resp: 529448

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

122 9.2 7.7 11.5



#81

Benzo(a)anthracene

Concen: 5.910 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF131790.D

Acq: 22 Dec 2022 22:24

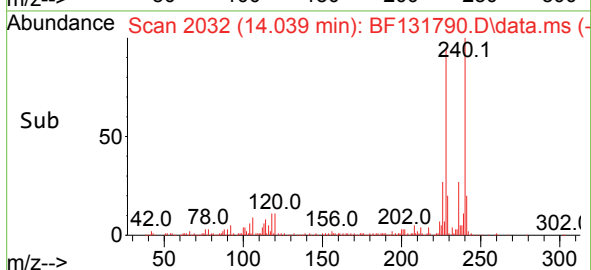
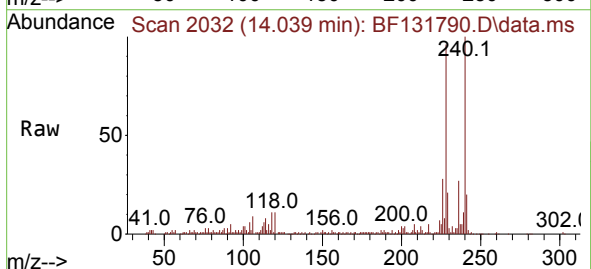
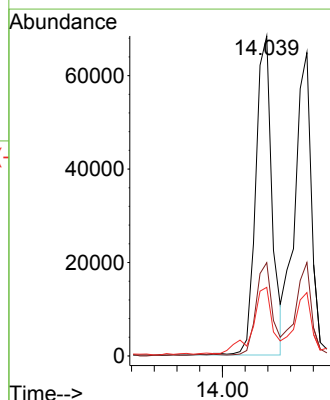
Tgt Ion:228 Resp: 68159

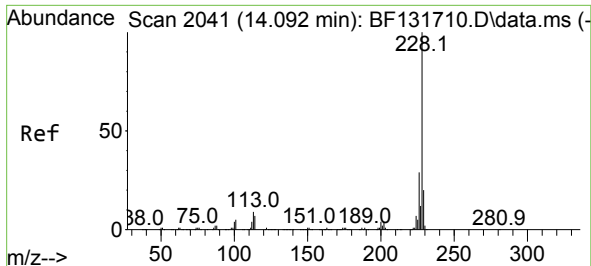
Ion Ratio Lower Upper

228 100

226 29.2 21.0 31.4

229 21.4 15.8 23.8

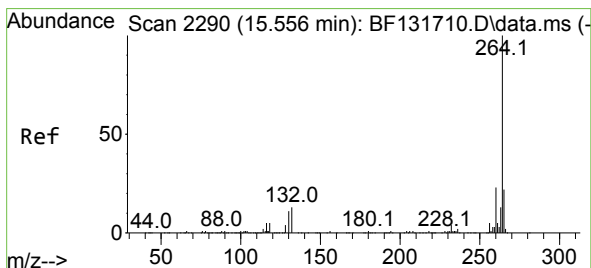
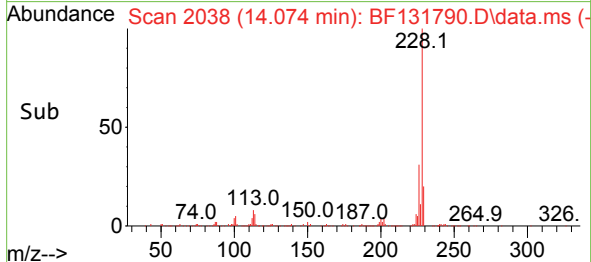
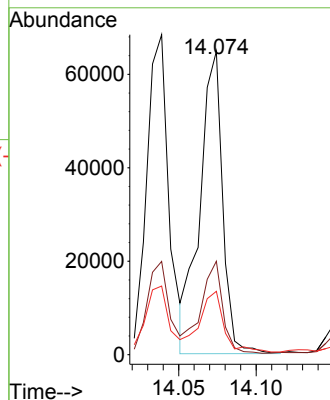
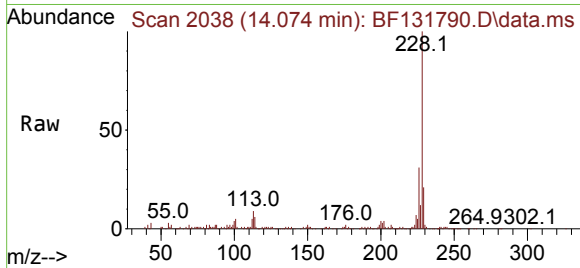




#83
Chrysene
Concen: 6.086 ng
RT: 14.074 min Scan# 2041
Delta R.T. -0.000 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

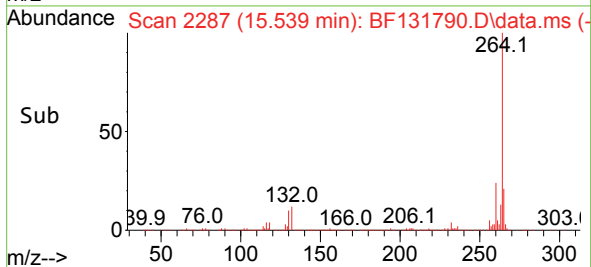
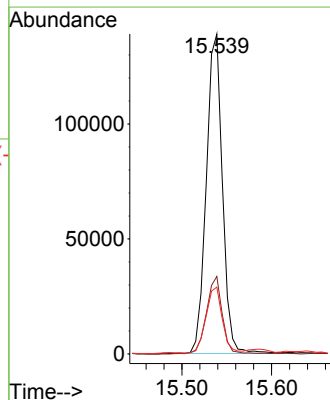
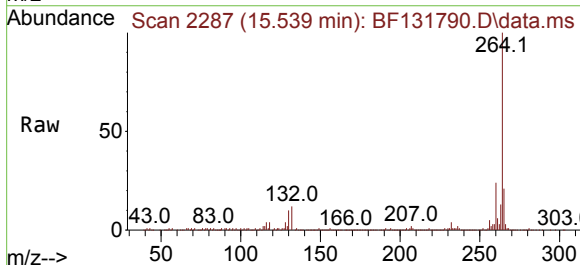
Instrument :
BNA_F
ClientSampleId :
FVSUB-TP1-COMP-01

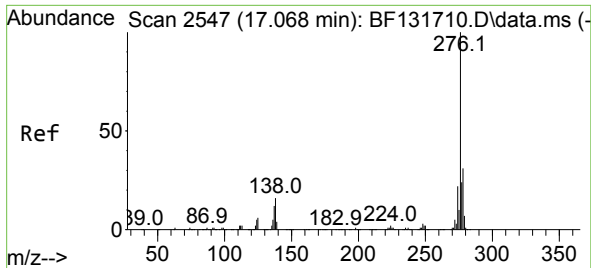
Tgt Ion:228 Resp: 66242
Ion Ratio Lower Upper
228 100
226 30.8 23.5 35.3
229 20.9 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. 0.006 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion:264 Resp: 173389
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 20.9 17.4 26.2

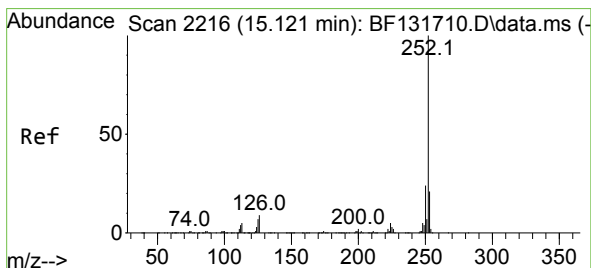
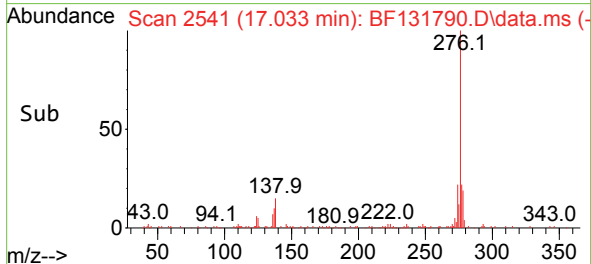
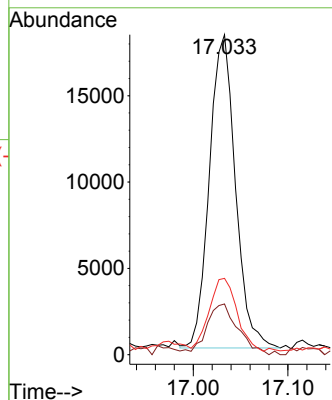
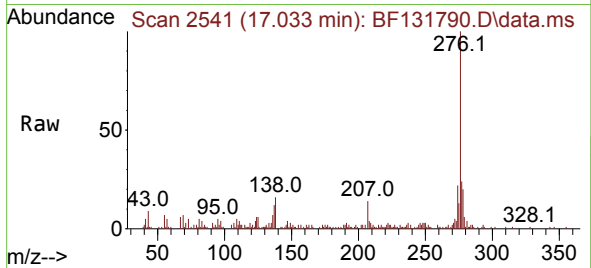




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.979 ng
 RT: 17.033 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF131790.D
 Acq: 22 Dec 2022 22:24

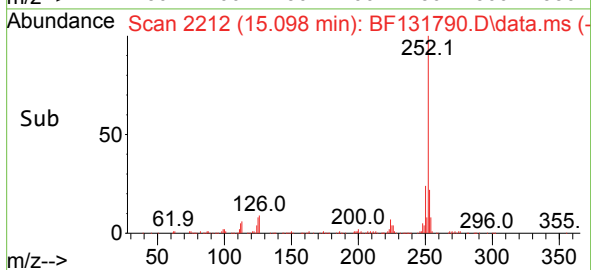
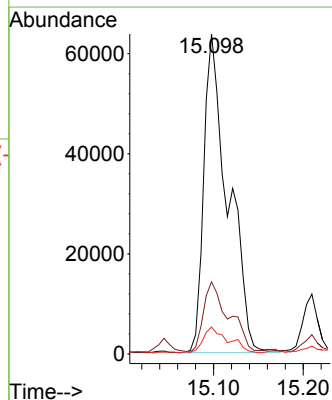
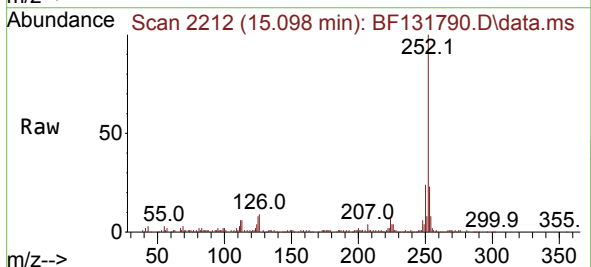
Instrument :
 BNA_F
 ClientSampleId :
 FVSUB-TP1-COMP-01

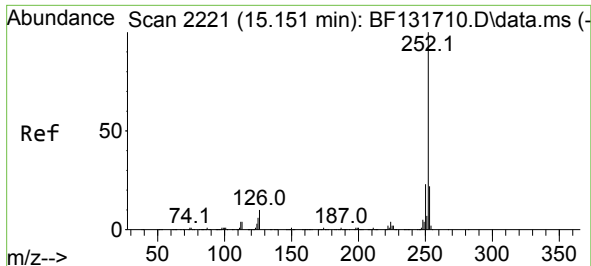
Tgt Ion:276 Resp: 34694
 Ion Ratio Lower Upper
 276 100
 138 19.8 14.4 21.6
 277 24.9 19.8 29.8



#88
 Benzo(b)fluoranthene
 Concen: 9.748 ng
 RT: 15.098 min Scan# 2212
 Delta R.T. -0.000 min
 Lab File: BF131790.D
 Acq: 22 Dec 2022 22:24

Tgt Ion:252 Resp: 119579
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.2 25.8
 125 8.4 5.5 8.3#

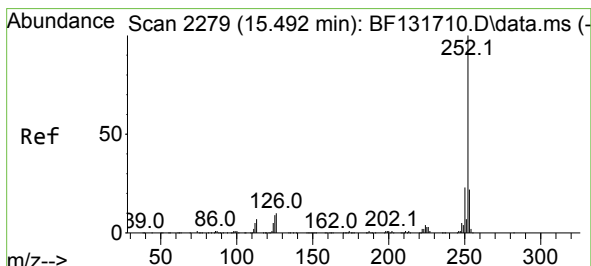
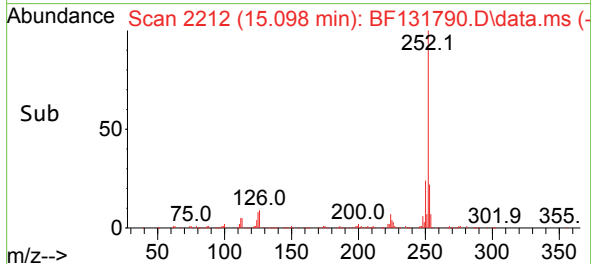
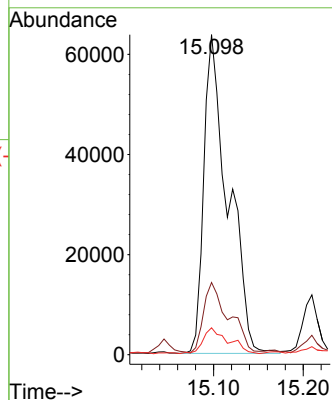
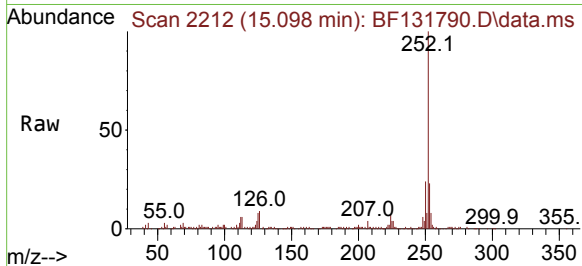




#89
Benzo(k)fluoranthene
Concen: 9.990 ng
RT: 15.098 min Scan# 211
Delta R.T. -0.030 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

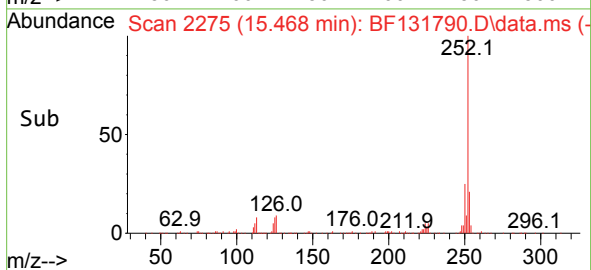
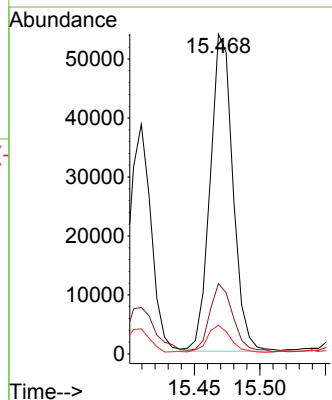
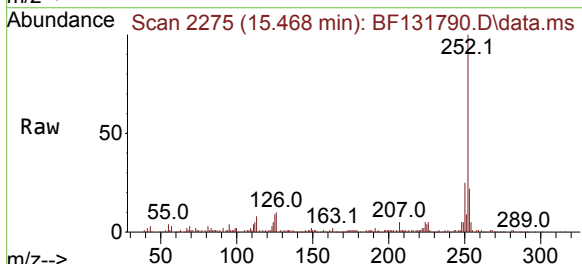
Instrument :
BNA_F
ClientSampleId :
FVSUB-TP1-COMP-01

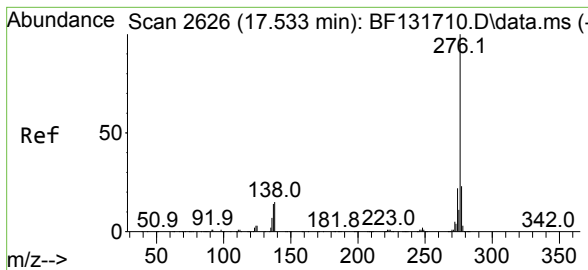
Tgt Ion:252 Resp: 119579
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 8.4 5.2 7.8#



#90
Benzo(a)pyrene
Concen: 6.690 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF131790.D
Acq: 22 Dec 2022 22:24

Tgt Ion:252 Resp: 65003
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.0 7.0 10.4





#92

Benzo(g,h,i)perylene

Concen: 3.762 ng

RT: 17.480 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF131790.D

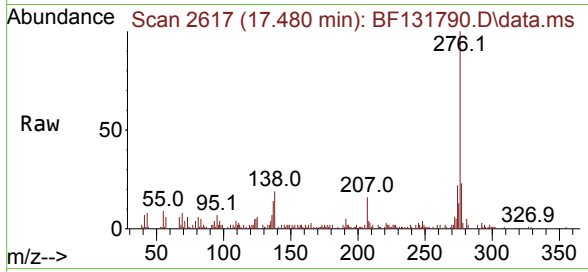
Acq: 22 Dec 2022 22:24

Instrument :

BNA_F

ClientSampleId :

FVSUB-TP1-COMP-01



Tgt Ion:276 Resp: 35788

Ion Ratio Lower Upper

276 100

277 23.1 18.3 27.5

138 18.8 12.3 18.5#

