

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110422\
 Data File : BF131011.D
 Acq On : 05 Nov 2022 02:19
 Operator : CG\JU
 Sample : N5419-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

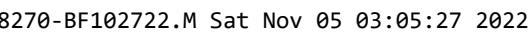
Quant Time: Nov 05 03:05:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	61754	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	212839	20.000	ng	-0.01
39) Acenaphthene-d10	9.957	164	100648	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	165121	20.000	ng	-0.01
76) Chrysene-d12	14.098	240	156779	20.000	ng	0.00
86) Perylene-d12	15.604	264	177787	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	415774	116.720	ng	0.00
7) Phenol-d6	6.534	99	535355	115.652	ng	0.00
23) Nitrobenzene-d5	7.475	82	364938	103.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	98870	116.695	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	616375	92.589	ng	0.00
79) Terphenyl-d14	13.039	244	614259	71.795	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	50784	16.124	ng	# 78
25) Isophorone	7.475	82	364932	50.136	ng	# 66
48) 2-Nitroaniline	9.269	65	1195	4.737	ng	# 1
51) 2,6-Dinitrotoluene	9.957	165	13005	12.110	ng	# 15
52) Acenaphthene	9.986	154	11965	2.130	ng	99
57) 2,4-Dinitrotoluene	10.116	165	633	4.060	ng	# 36
65) 4,6-Dinitro-2-methylph...	10.745	198	414	8.429	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	6288	3.787	ng	# 1
71) Phenanthrene	11.474	178	150014	17.602	ng	99
72) Anthracene	11.522	178	37681	4.483	ng	99
75) Fluoranthene	12.668	202	218530	24.134	ng	98
77) Benzidine	13.039	184	9042	2.376	ng	# 97
78) Pyrene	12.898	202	401015	30.318	ng	98
81) Benzo(a)anthracene	14.086	228	198772	19.123	ng	98
83) Chrysene	14.127	228	189061	18.857	ng	100
88) Benzo(b)fluoranthene	15.162	252	261420	22.747	ng	# 98
89) Benzo(k)fluoranthene	15.162	252	261420	23.344	ng	99
90) Benzo(a)pyrene	15.539	252	183320	19.843	ng	98
91) Dibenzo(a,h)anthracene	17.139	278	29684	3.084	ng	96
92) Benzo(g,h,i)perylene	17.592	276	112796	11.487	ng	95

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

Quant Time: Nov 05 03:05:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 06:20:24 2022
Response via : Initial Calibration

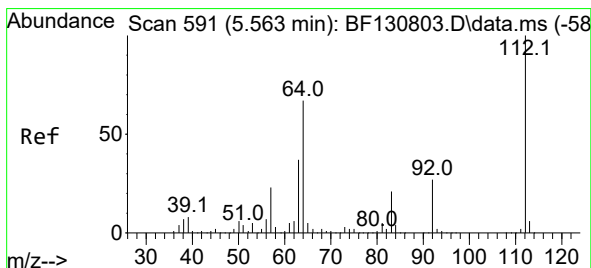
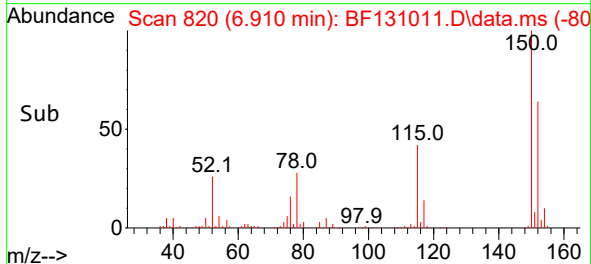
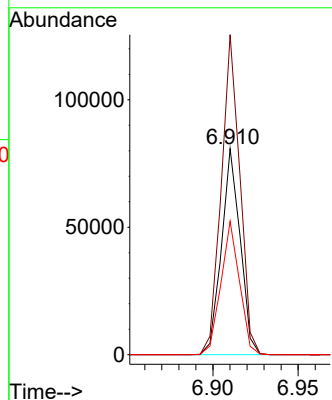
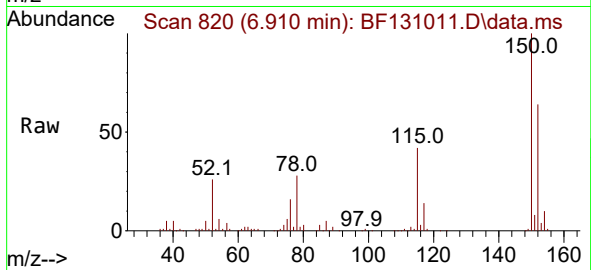




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.910 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF131011.D
 Acq: 05 Nov 2022 02:19

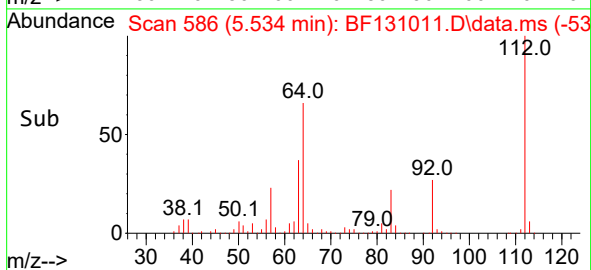
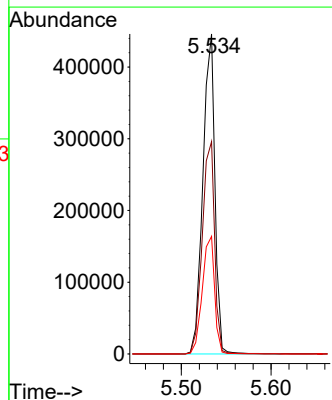
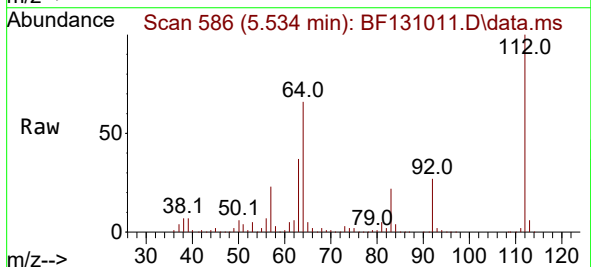
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Tgt Ion:152 Resp: 61754
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.1 186.1
 115 64.8 50.1 75.1



#5
 2-Fluorophenol
 Concen: 116.720 ng
 RT: 5.534 min Scan# 586
 Delta R.T. 0.006 min
 Lab File: BF131011.D
 Acq: 05 Nov 2022 02:19

Tgt Ion:112 Resp: 415774
 Ion Ratio Lower Upper
 112 100
 64 66.4 53.9 80.9
 63 36.7 29.4 44.2

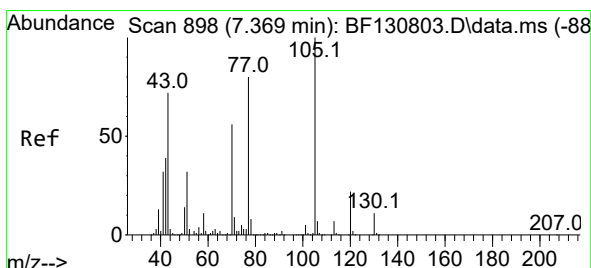
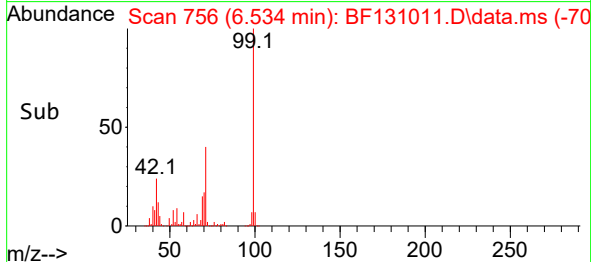
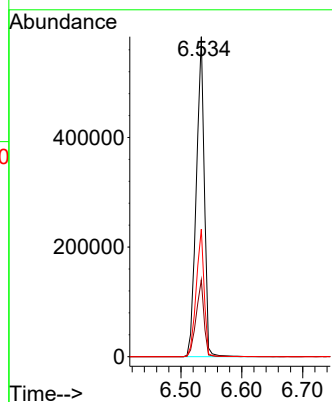
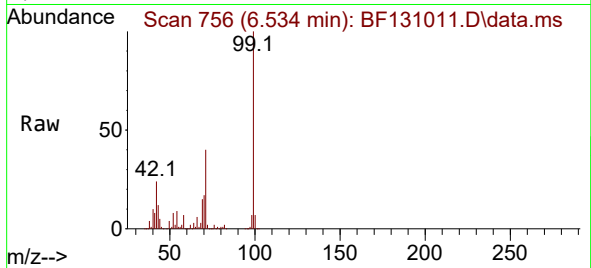




#7
Phenol-d6
Concen: 115.652 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

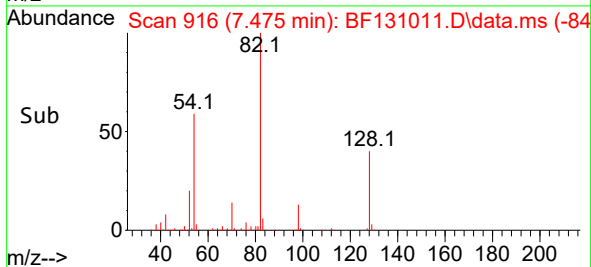
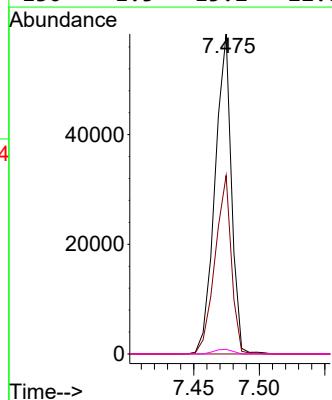
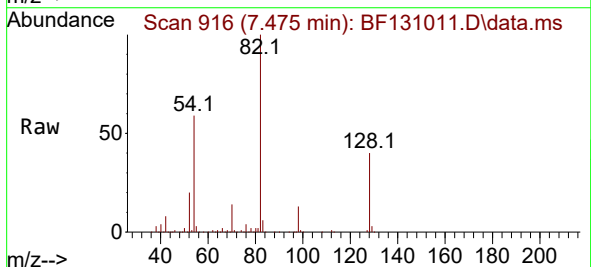
Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion: 99 Resp: 535355
Ion Ratio Lower Upper
99 100
42 24.0 18.8 28.2
71 39.9 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.124 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion: 70 Resp: 50784
Ion Ratio Lower Upper
70 100
42 55.8 56.1 84.1#
101 0.0 7.3 10.9#
130 1.5 15.2 22.8#

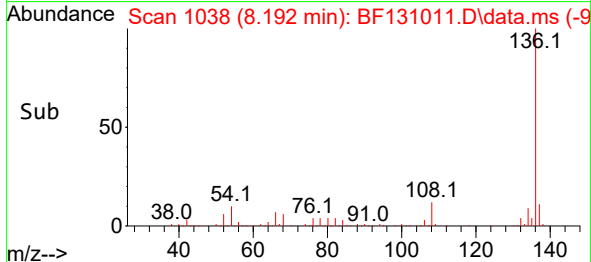
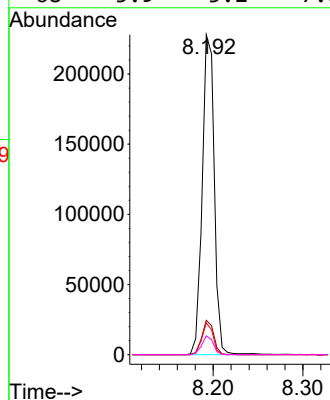
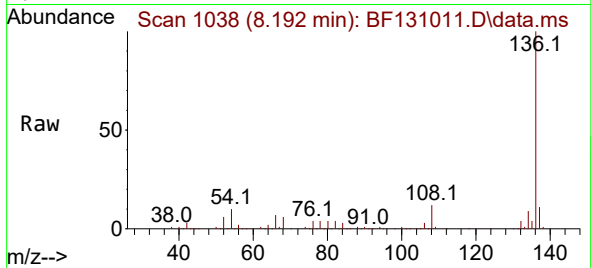




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1046
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

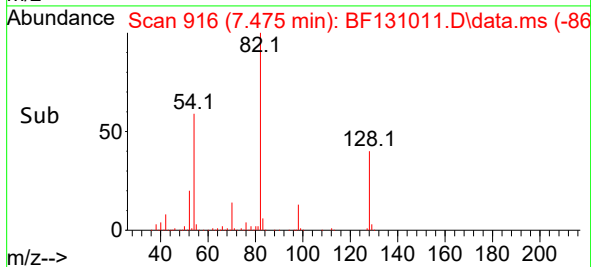
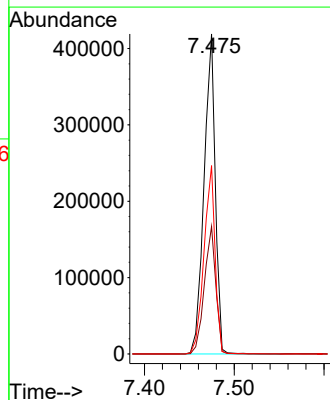
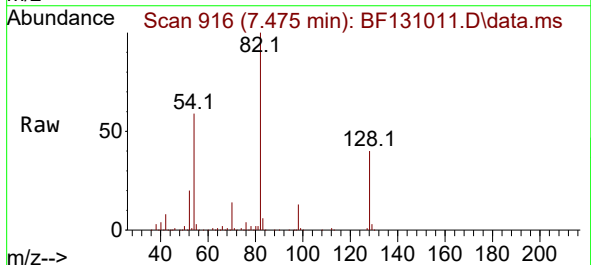
Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion:	136	Resp:	212839
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.2	13.8
54	9.9	8.8	13.2
68	5.9	5.2	7.8



#23
Nitrobenzene-d5
Concen: 103.390 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion:	82	Resp:	364938
Ion Ratio	Lower	Upper	
82	100		
128	39.8	31.2	46.8
54	58.9	48.0	72.0

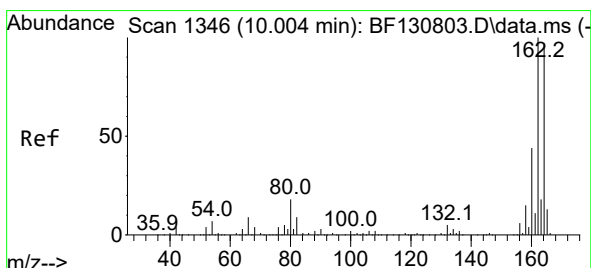
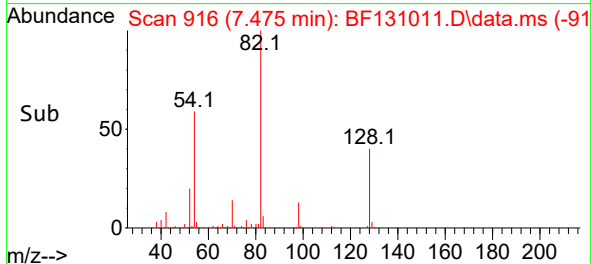
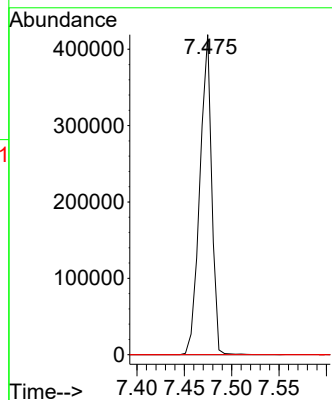
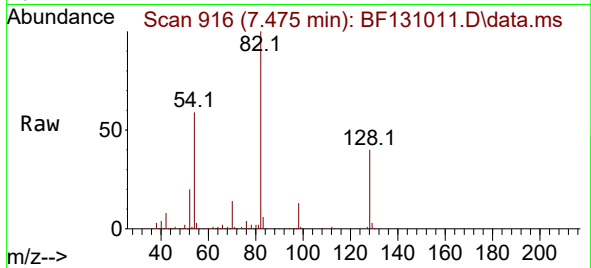




#25
Isophorone
Concen: 50.136 ng
RT: 7.475 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

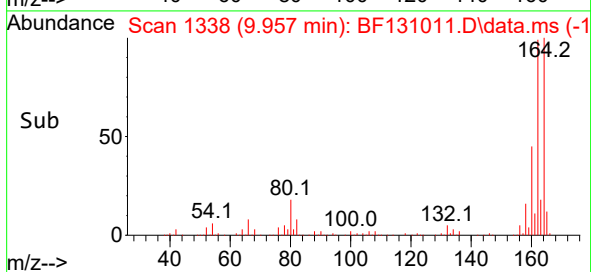
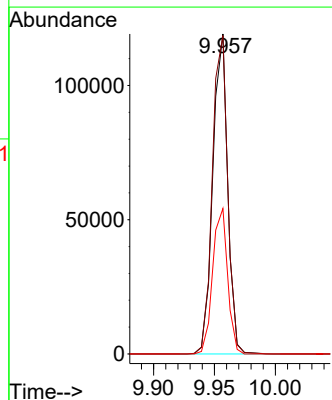
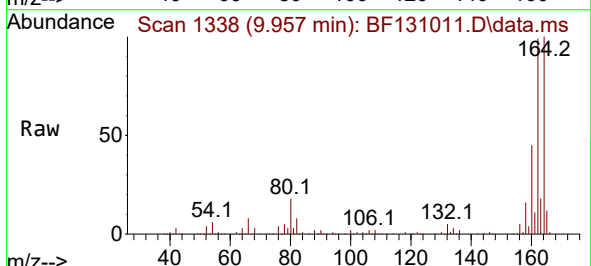
Instrument :
BNA_F
ClientSampleId :
VNJ-240

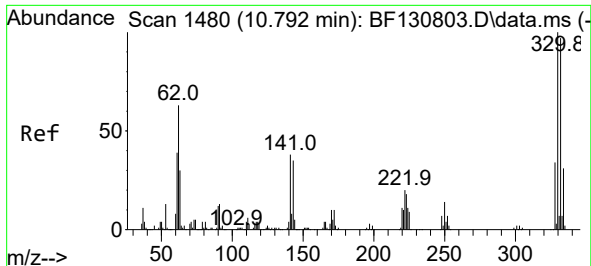
Tgt Ion: 82 Resp: 364932
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion:164 Resp: 100648
Ion Ratio Lower Upper
164 100
162 99.5 82.2 123.2
160 45.5 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 116.695 ng

RT: 10.745 min Scan# 1480

Delta R.T. -0.012 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

Instrument :

BNA_F

ClientSampleId :

VNJ-240

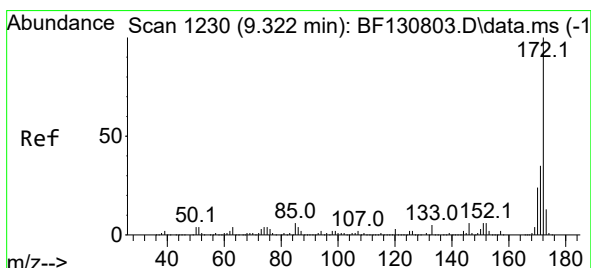
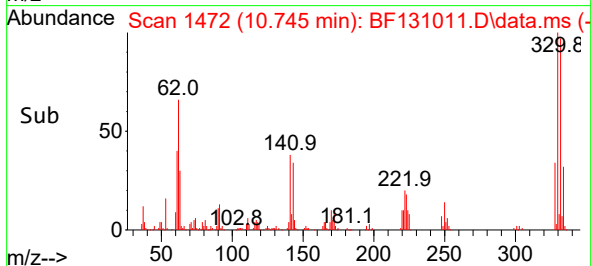
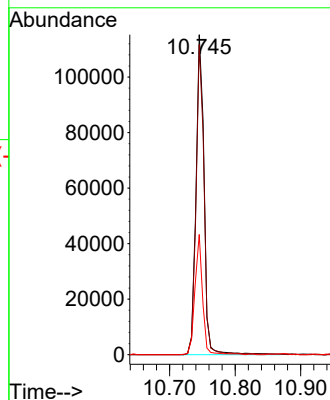
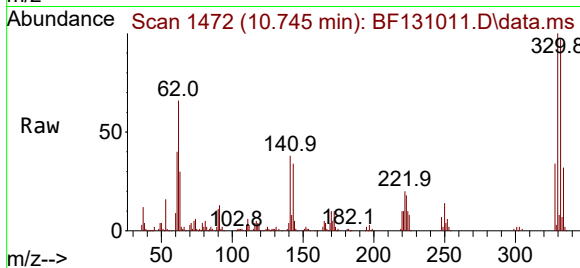
Tgt Ion:330 Resp: 98870

Ion Ratio Lower Upper

330 100

332 95.1 76.2 114.4

141 35.6 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 92.589 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

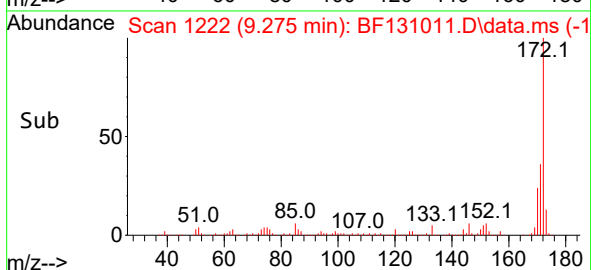
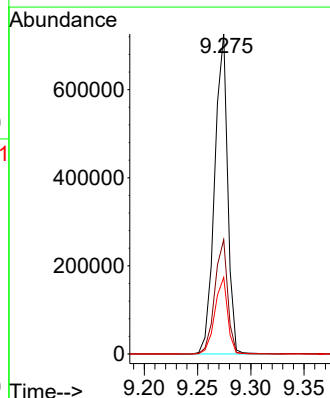
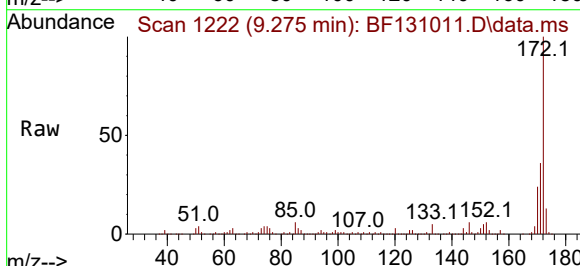
Tgt Ion:172 Resp: 616375

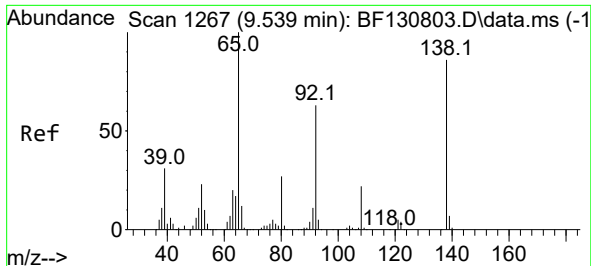
Ion Ratio Lower Upper

172 100

171 35.7 28.1 42.1

170 23.9 19.0 28.4





#48

2-Nitroaniline

Concen: 4.737 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.235 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

Instrument :

BNA_F

ClientSampleId :

VNJ-240

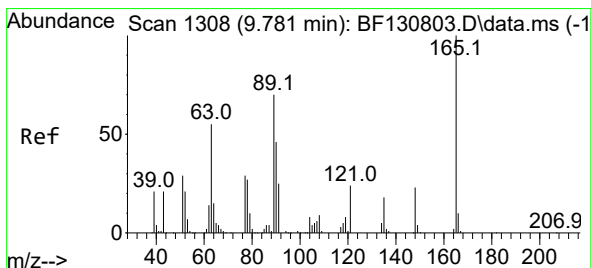
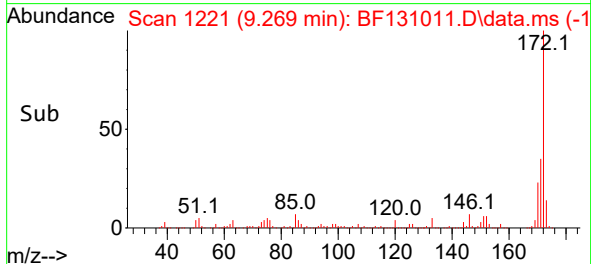
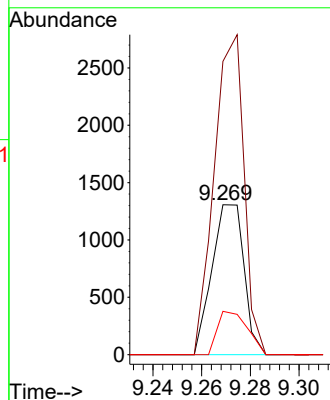
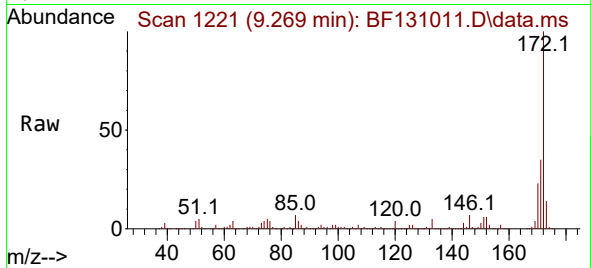
Tgt Ion: 65 Resp: 1195

Ion Ratio Lower Upper

65 100

92 195.6 50.1 75.1#

138 28.9 69.2 103.8#



#51

2,6-Dinitrotoluene

Concen: 12.110 ng

RT: 9.957 min Scan# 1338

Delta R.T. 0.212 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

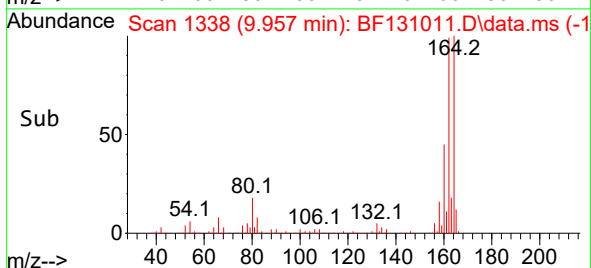
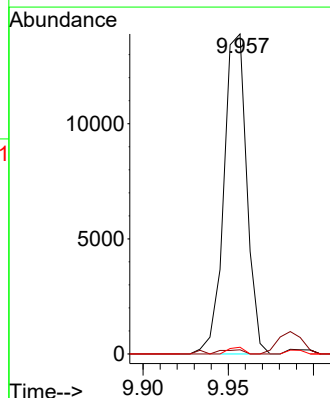
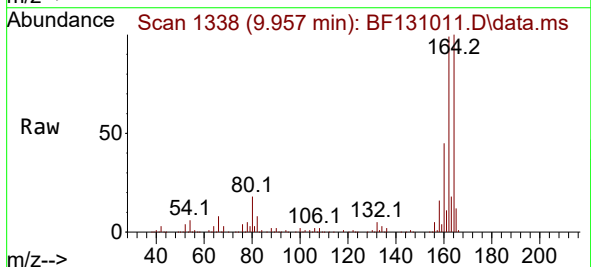
Tgt Ion: 165 Resp: 13005

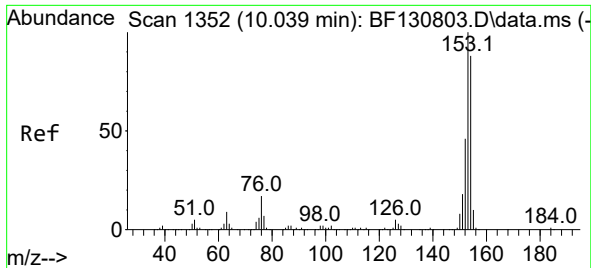
Ion Ratio Lower Upper

165 100

63 1.3 61.8 92.8#

89 2.1 56.2 84.4#

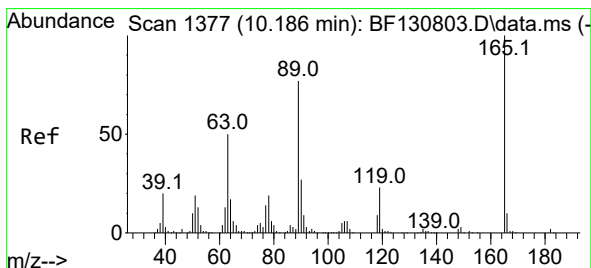
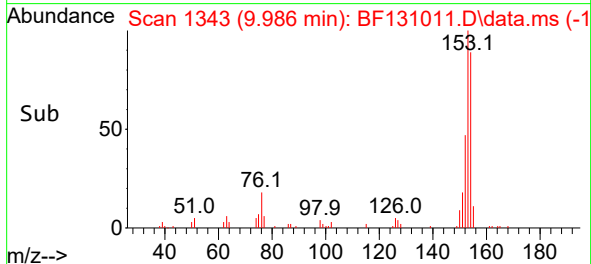
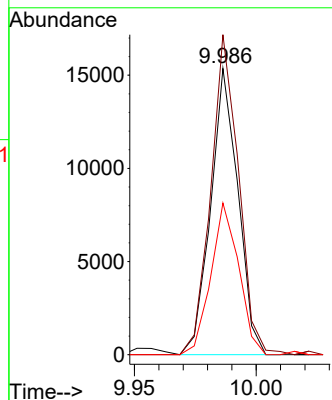
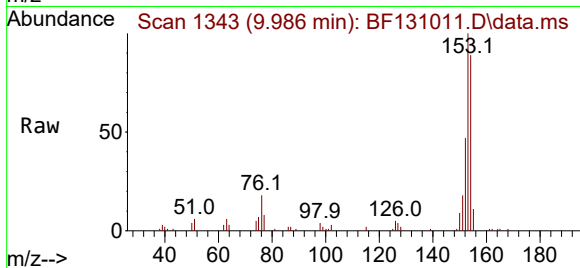




#52
Acenaphthene
Concen: 2.130 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

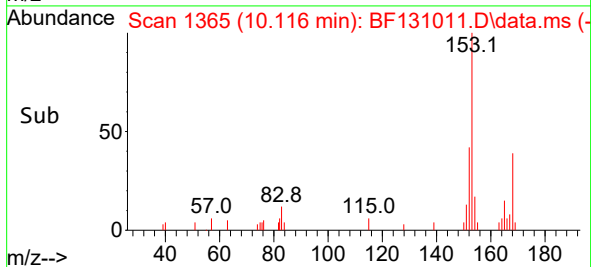
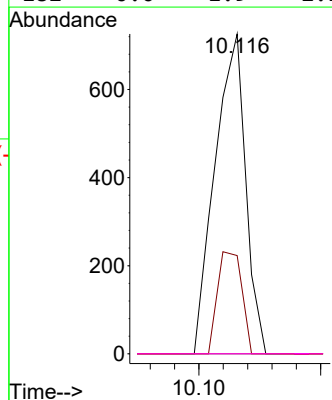
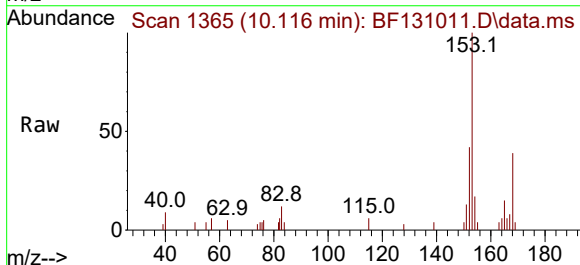
Instrument :
BNA_F
ClientSampleId :
VNJ-240

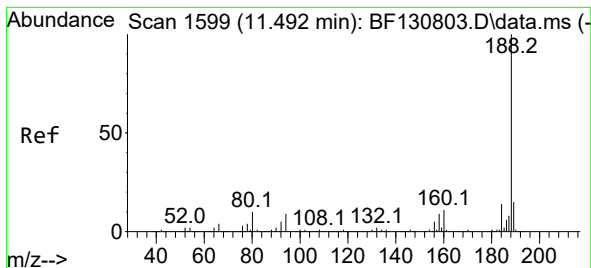
Tgt Ion:154 Resp: 11965
Ion Ratio Lower Upper
154 100
153 111.8 90.5 135.7
152 53.0 42.0 63.0



#57
2,4-Dinitrotoluene
Concen: 4.060 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.035 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion:165 Resp: 633
Ion Ratio Lower Upper
165 100
63 30.7 39.8 59.6#
89 0.0 61.9 92.9#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

Instrument :

BNA_F

ClientSampleId :

VNJ-240

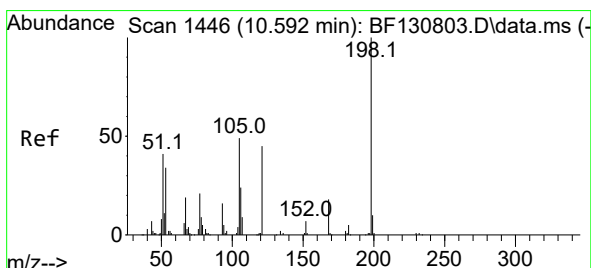
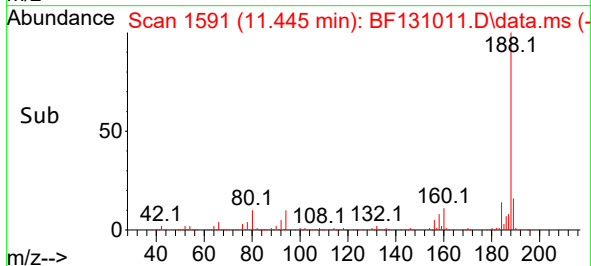
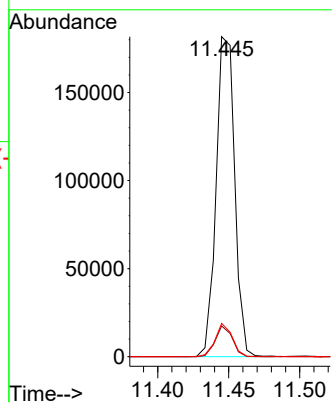
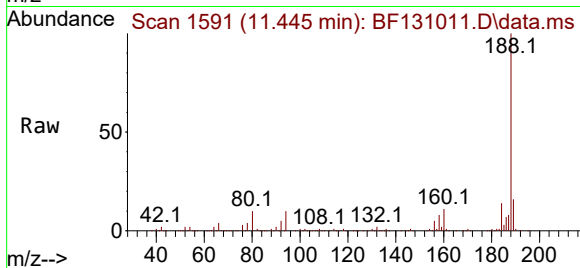
Tgt Ion:188 Resp: 165121

Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

80 10.4 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.429 ng

RT: 10.745 min Scan# 1472

Delta R.T. 0.182 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

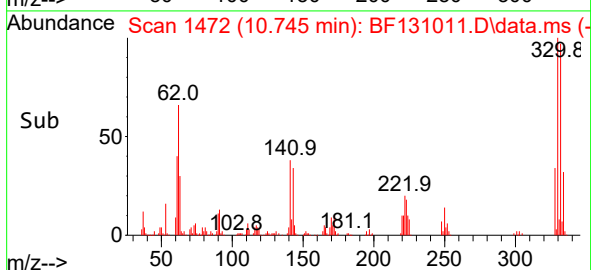
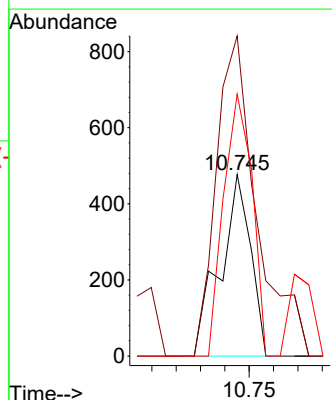
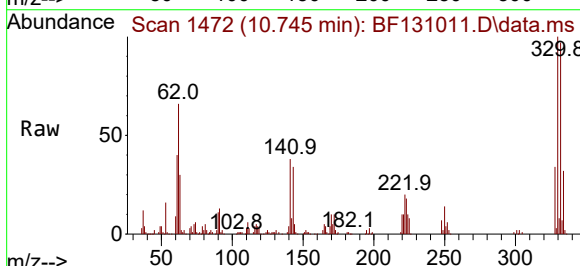
Tgt Ion:198 Resp: 414

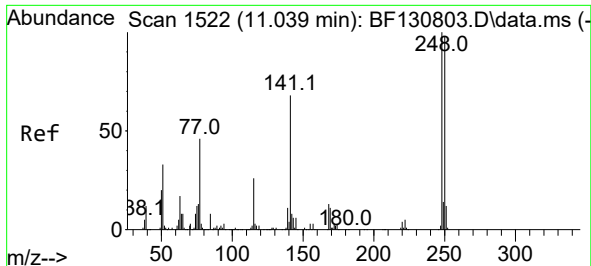
Ion Ratio Lower Upper

198 100

51 176.3 39.0 79.0#

105 144.2 30.6 70.6#

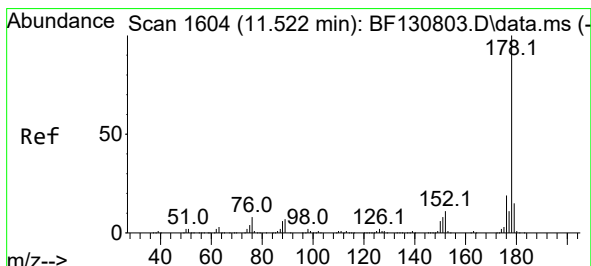
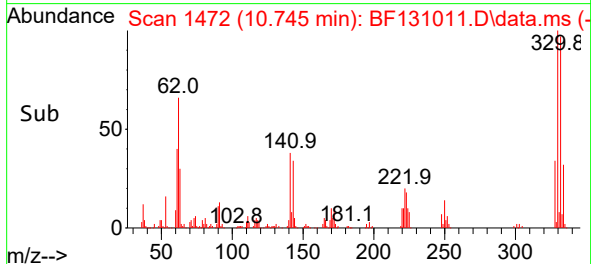
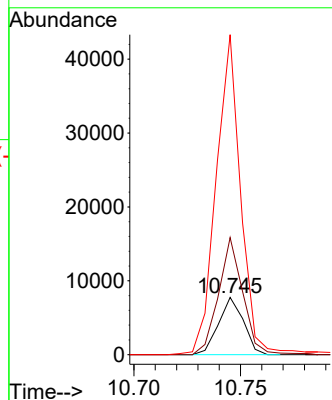
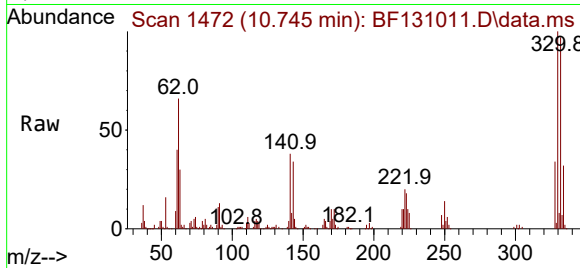




#67
4-Bromophenyl-phenylether
Concen: 3.787 ng
RT: 10.745 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

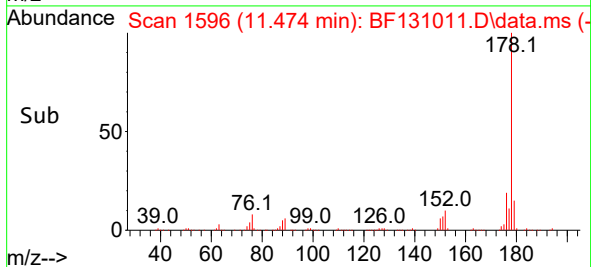
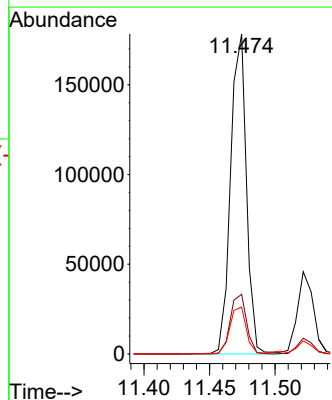
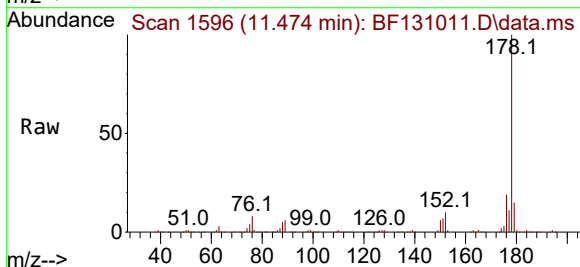
Instrument :
BNA_F
ClientSampleId :
VNJ-240

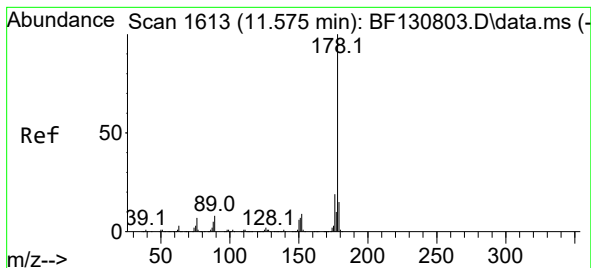
Tgt Ion:248 Resp: 6288
Ion Ratio Lower Upper
248 100
250 204.6 78.6 117.8#
141 559.2 54.2 81.4#



#71
Phenanthrene
Concen: 17.602 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion:178 Resp: 150014
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 14.6 12.2 18.2





#72

Anthracene

Concen: 4.483 ng

RT: 11.522 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

Instrument :

BNA_F

ClientSampleId :

VNJ-240

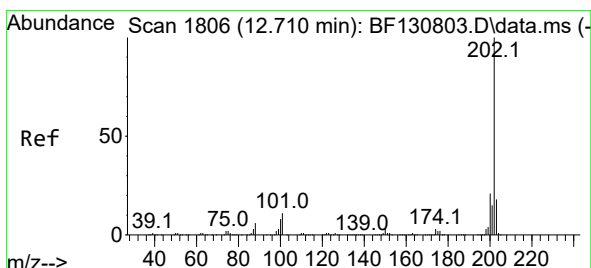
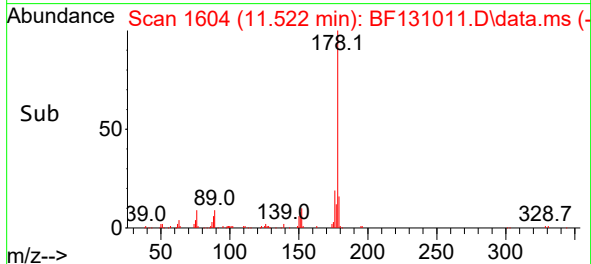
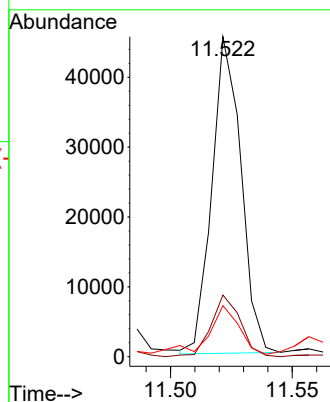
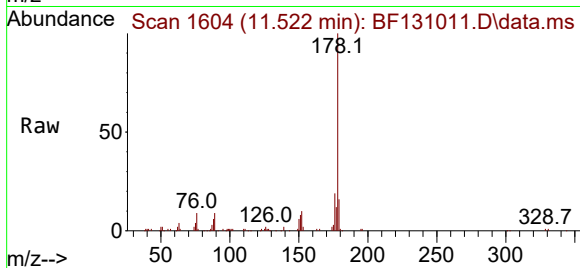
Tgt Ion:178 Resp: 37681

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 16.0 12.2 18.4



#75

Fluoranthene

Concen: 24.134 ng

RT: 12.668 min Scan# 1799

Delta R.T. -0.006 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

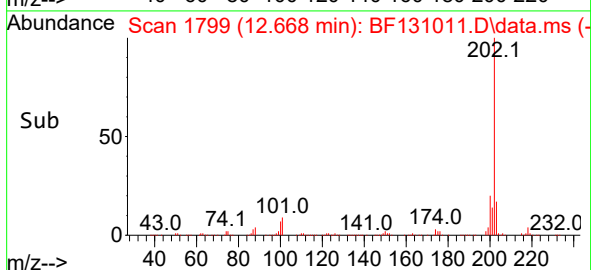
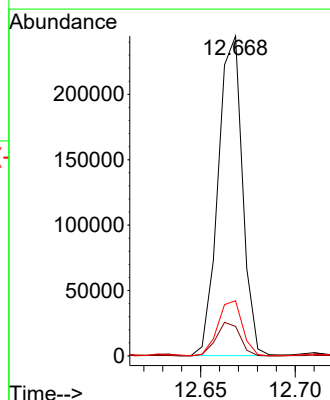
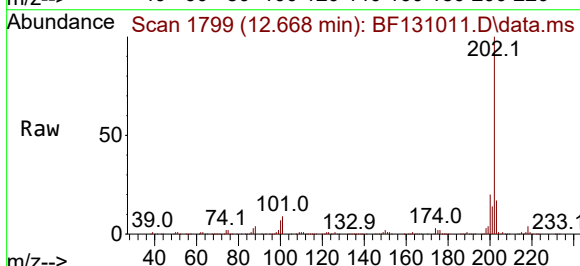
Tgt Ion:202 Resp: 218530

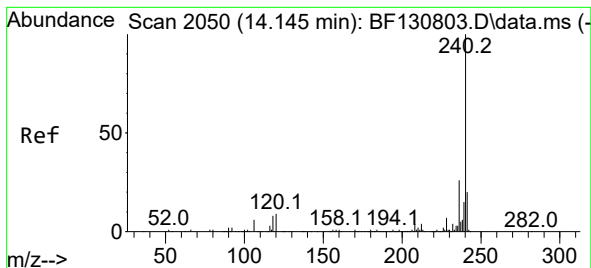
Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.9

203 17.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2050

Delta R.T. -0.006 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

Instrument :

BNA_F

ClientSampleId :

VNJ-240

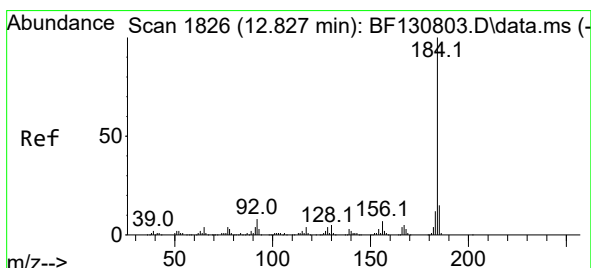
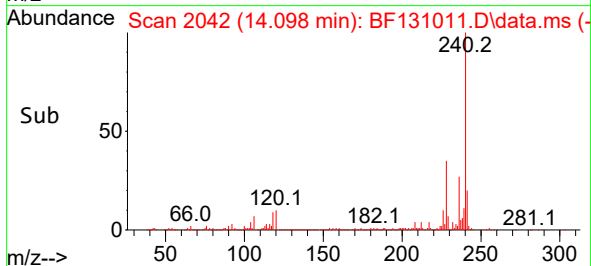
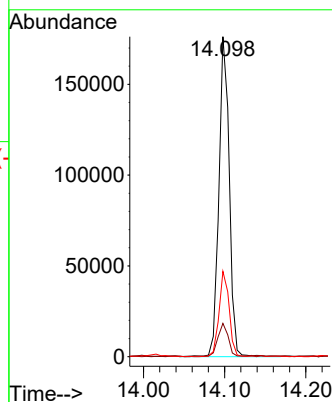
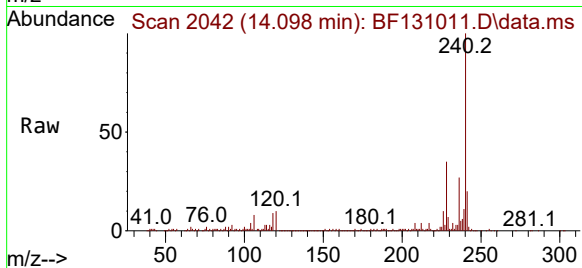
Tgt Ion:240 Resp: 156779

Ion Ratio Lower Upper

240 100

120 10.4 7.0 10.4

236 26.7 20.5 30.7



#77

Benzidine

Concen: 2.376 ng

RT: 13.039 min Scan# 1862

Delta R.T. 0.247 min

Lab File: BF131011.D

Acq: 05 Nov 2022 02:19

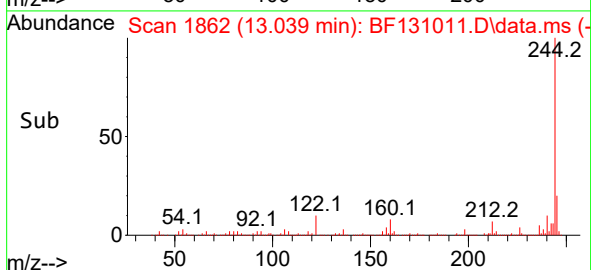
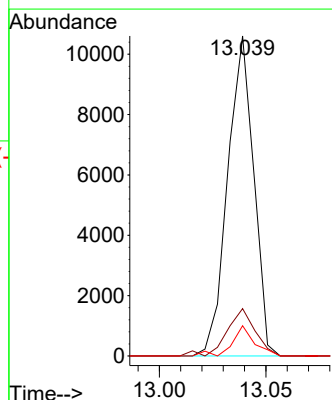
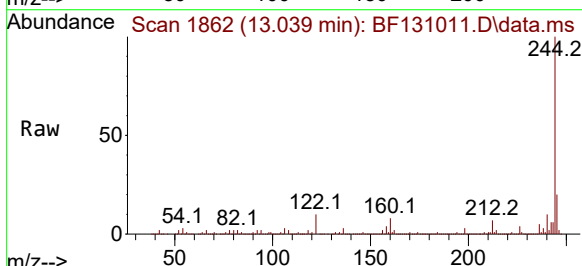
Tgt Ion:184 Resp: 9042

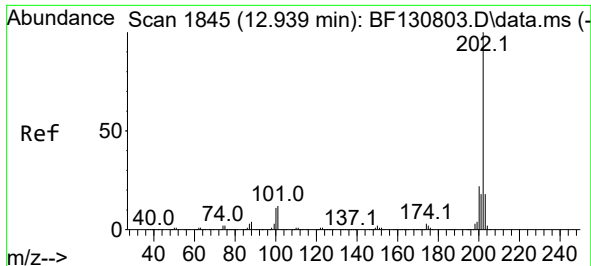
Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.8

183 9.4 9.7 14.5#

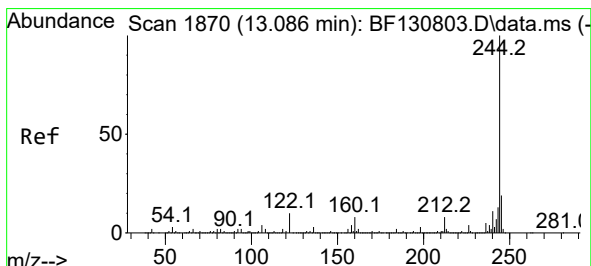
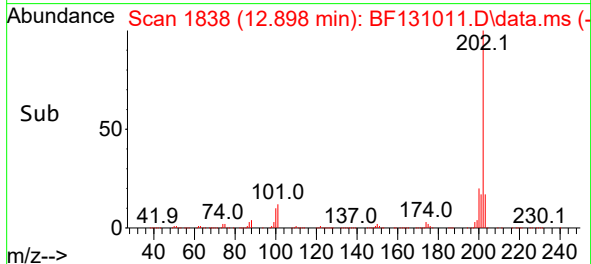
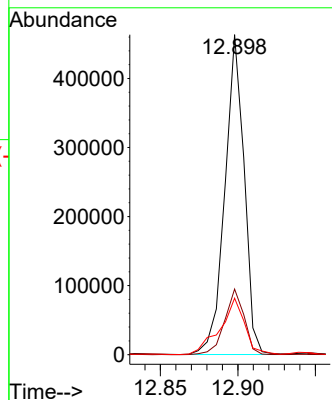
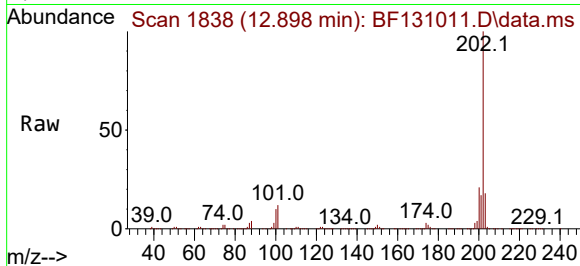




#78
 Pyrene
 Concen: 30.318 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF131011.D
 Acq: 05 Nov 2022 02:19

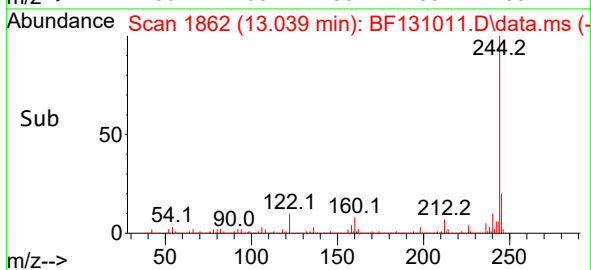
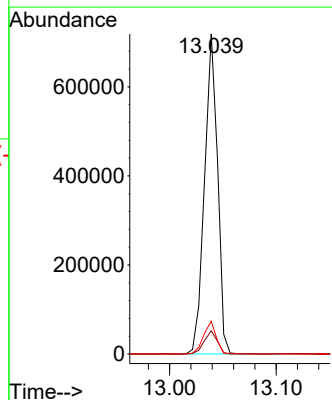
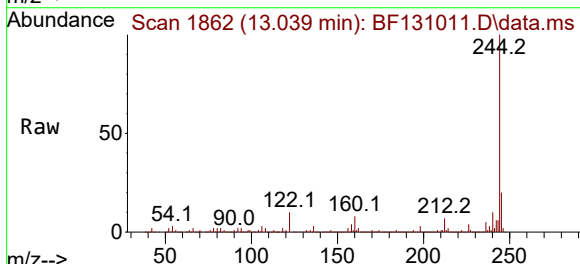
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

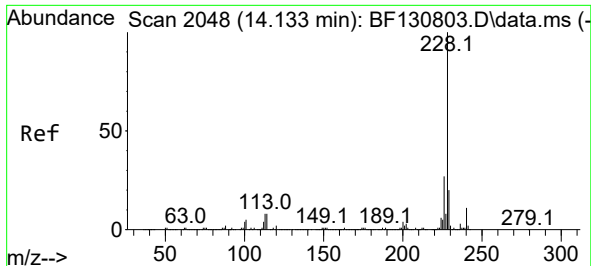
Tgt Ion:202 Resp: 401015
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.2 25.8
 203 17.7 14.5 21.7



#79
 Terphenyl-d14
 Concen: 71.795 ng
 RT: 13.039 min Scan# 1862
 Delta R.T. -0.006 min
 Lab File: BF131011.D
 Acq: 05 Nov 2022 02:19

Tgt Ion:244 Resp: 614259
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 10.2 7.9 11.9

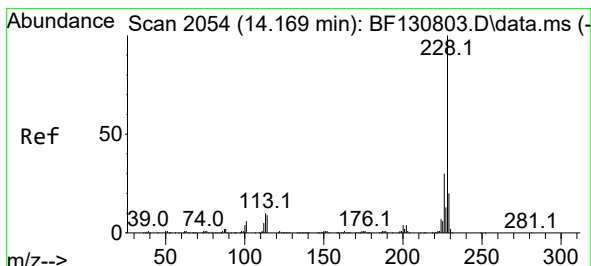
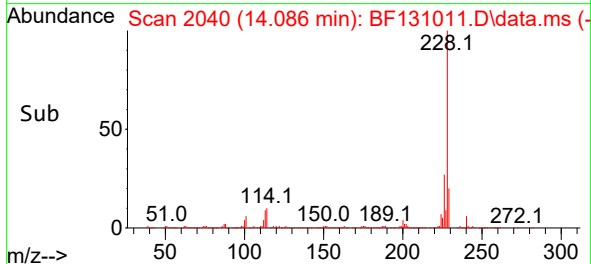
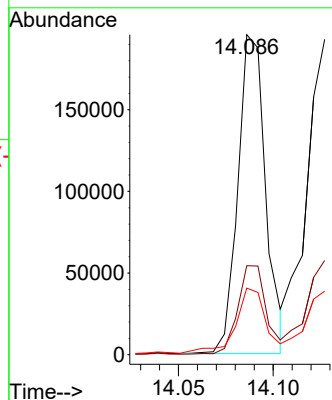
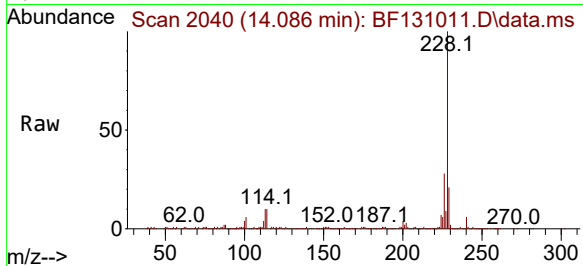




#81
Benzo(a)anthracene
Concen: 19.123 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

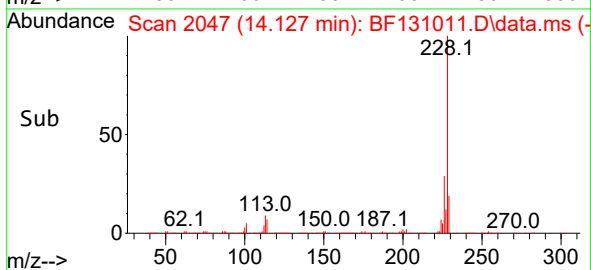
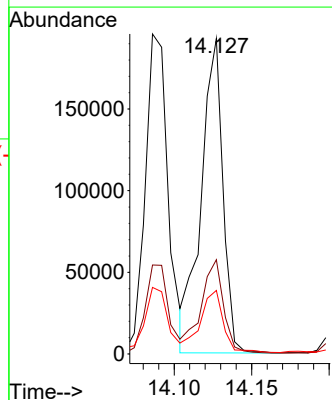
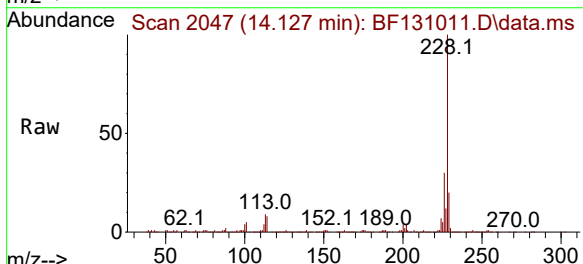
Instrument :
BNA_F
ClientSampleId :
VNJ-240

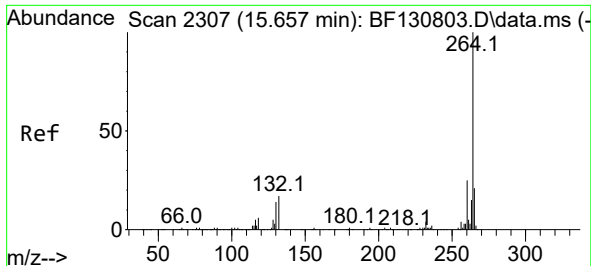
Tgt Ion:228 Resp: 198772
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.8 15.8 23.6



#83
Chrysene
Concen: 18.857 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion:228 Resp: 189061
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 20.1 15.8 23.6

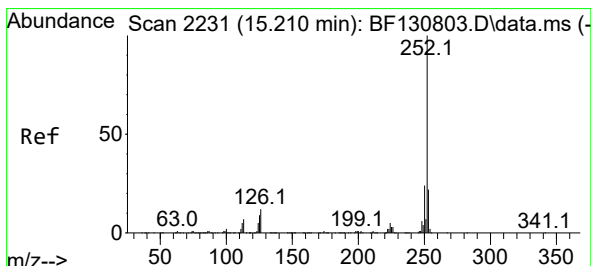
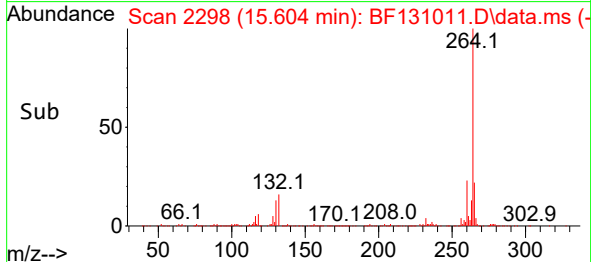
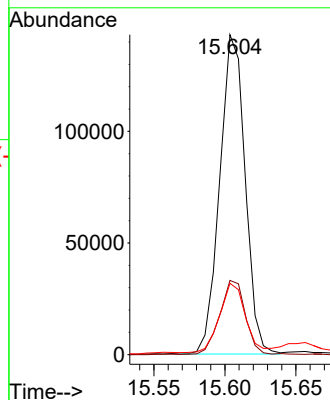
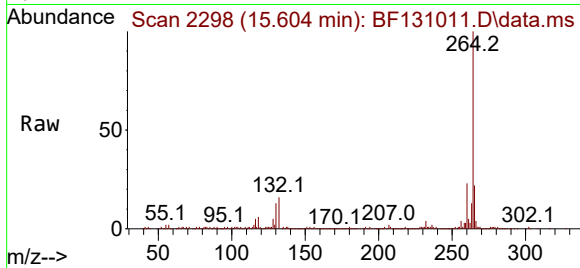




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.604 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

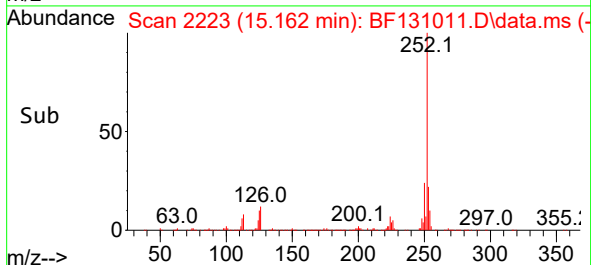
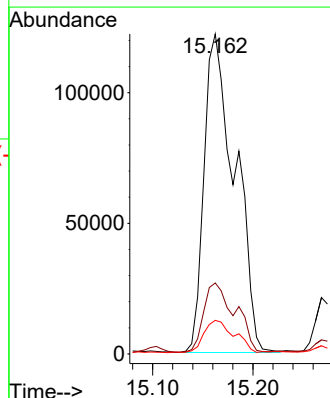
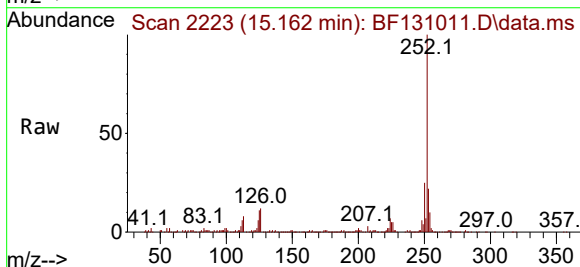
Instrument :
BNA_F
ClientSampleId :
VNJ-240

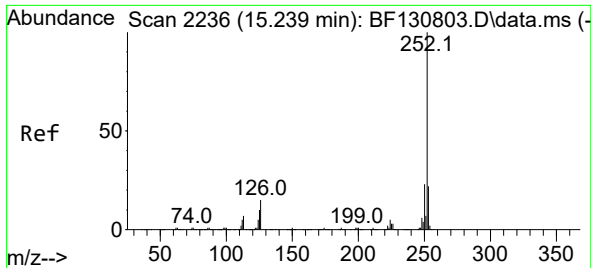
Tgt Ion:264 Resp: 177787
Ion Ratio Lower Upper
264 100
260 23.2 19.9 29.9
265 22.3 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 22.747 ng
RT: 15.162 min Scan# 2223
Delta R.T. -0.000 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion:252 Resp: 261420
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.5 7.0 10.4#

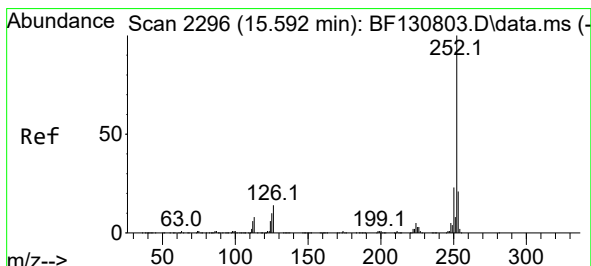
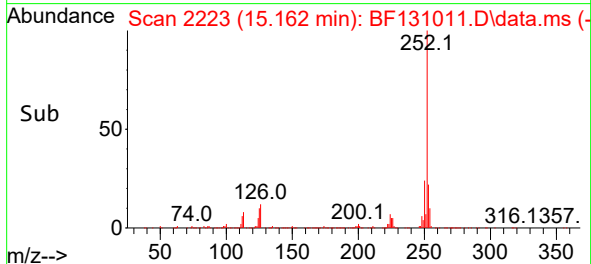
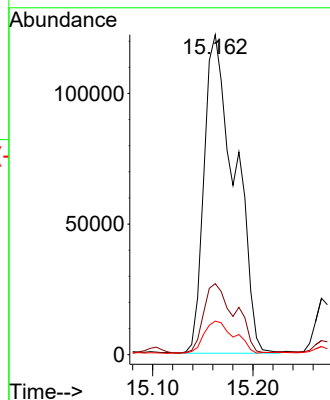
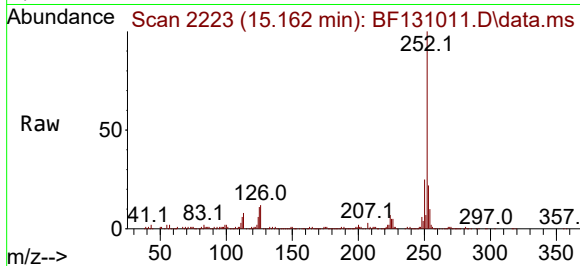




#89
Benzo(k)fluoranthene
Concen: 23.344 ng
RT: 15.162 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

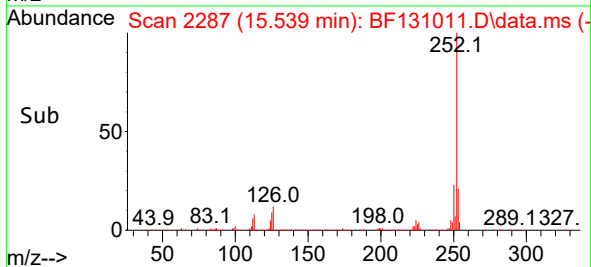
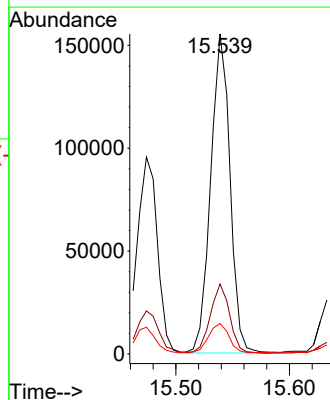
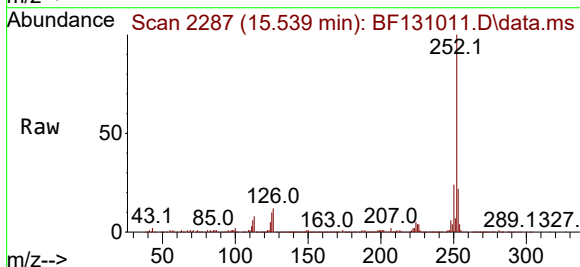
Instrument :
BNA_F
ClientSampleId :
VNJ-240

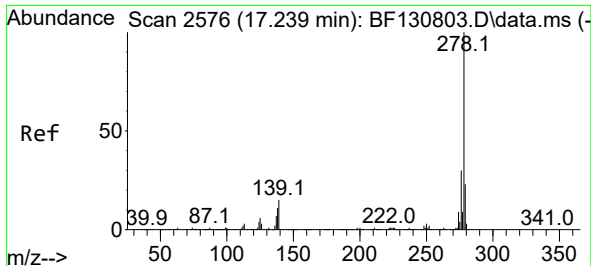
Tgt Ion:252 Resp: 261420
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.5 8.0 12.0



#90
Benzo(a)pyrene
Concen: 19.843 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion:252 Resp: 183320
Ion Ratio Lower Upper
252 100
253 21.9 16.8 25.2
125 9.5 8.3 12.5

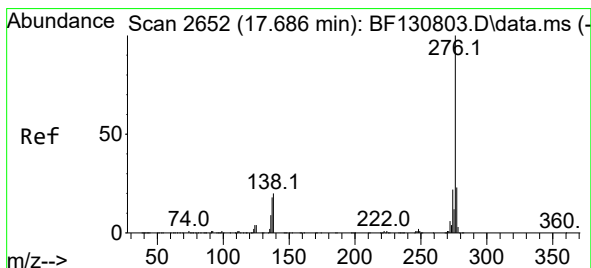
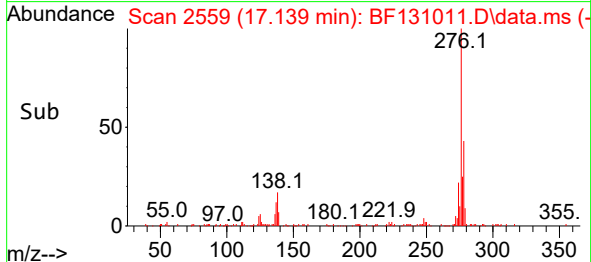
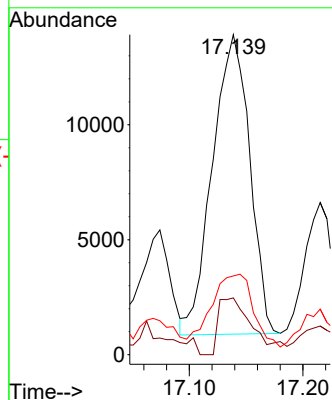
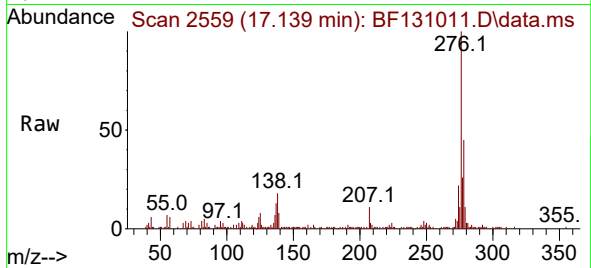




#91
Dibenzo(a,h)anthracene
Concen: 3.084 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion:278 Resp: 29684
Ion Ratio Lower Upper
278 100
139 17.8 11.9 17.9
279 24.6 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 11.487 ng
RT: 17.592 min Scan# 2636
Delta R.T. -0.018 min
Lab File: BF131011.D
Acq: 05 Nov 2022 02:19

Tgt Ion:276 Resp: 112796
Ion Ratio Lower Upper
276 100
277 22.2 18.8 28.2
138 16.6 16.3 24.5

