

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061722\
 Data File : BF128852.D
 Acq On : 17 Jun 2022 14:09
 Operator : CG\JU
 Sample : N3371-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

Quant Time: Jun 18 05:06:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

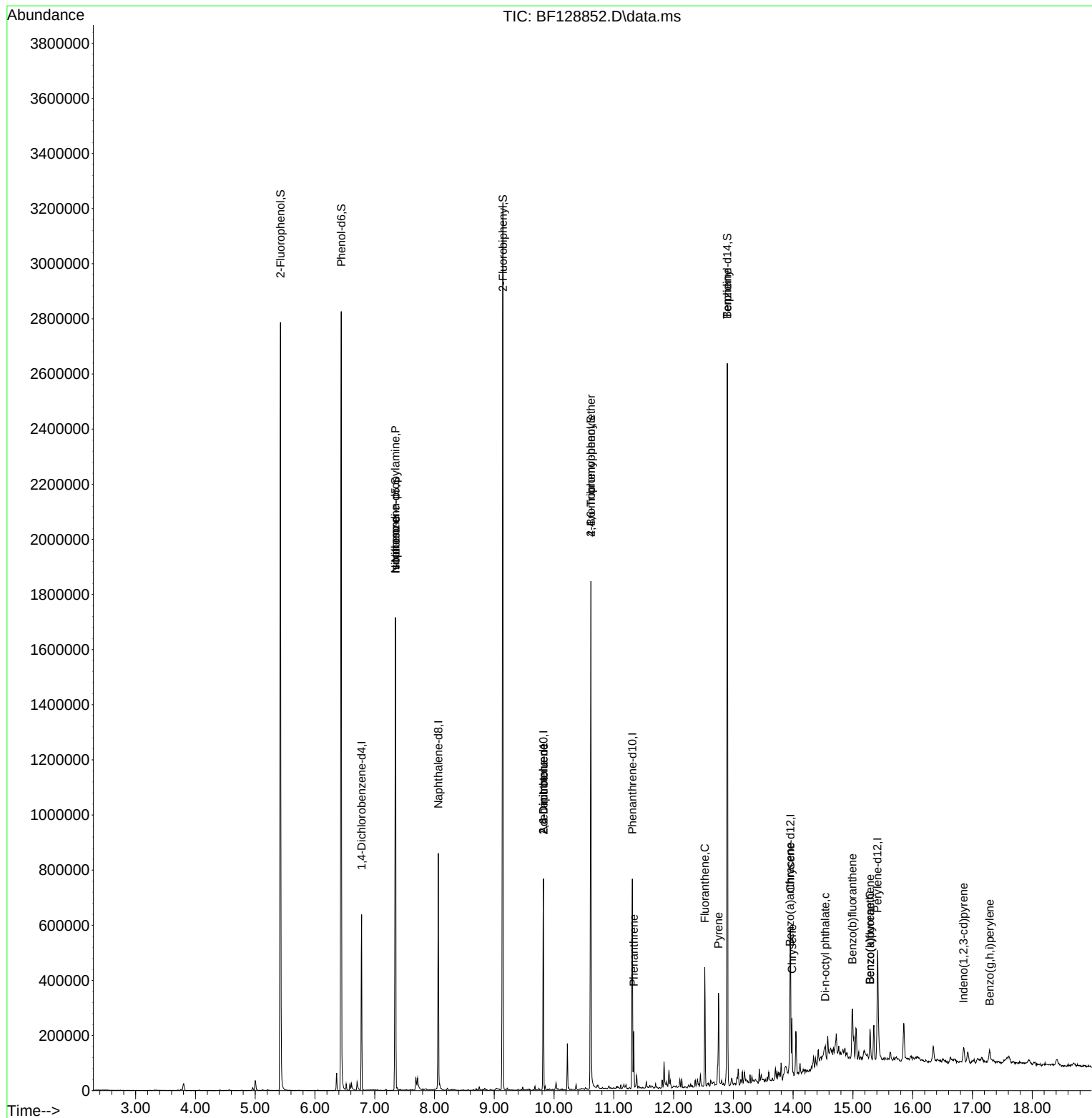
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	82131	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	322190	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	148902	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	259883	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	160932	20.000	ng	# 0.00
86) Perylene-d12	15.410	264	162823	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	662707	128.524	ng	0.00
7) Phenol-d6	6.440	99	824056	130.924	ng	0.00
23) Nitrobenzene-d5	7.345	82	592204	85.577	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	218098	123.965	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	996823	93.776	ng	0.00
79) Terphenyl-d14	12.898	244	871176	94.064	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	84413	21.570	ng	# 75
25) Isophorone	7.345	82	592297	56.355	ng	# 65
51) 2,6-Dinitrotoluene	9.822	165	19107	9.498	ng	# 26
57) 2,4-Dinitrotoluene	9.822	165	19107	7.117	ng	# 21
67) 4-Bromophenyl-phenylether	10.616	248	13988	4.826	ng	# 1
71) Phenanthrene	11.333	178	70161	5.382	ng	97
75) Fluoranthene	12.522	202	157868	11.586	ng	94
77) Benzidine	12.898	184	12144	3.785	ng	# 95
78) Pyrene	12.751	202	136057	11.363	ng	96
81) Benzo(a)anthracene	13.945	228	67200	6.699	ng	100
83) Chrysene	13.980	228	82818	8.660	ng	98
85) Di-n-octyl phthalate	14.539	149	23857	2.423	ng	# 71
87) Indeno(1,2,3-cd)pyrene	16.851	276	36815	3.751	ng	# 86
88) Benzo(b)fluoranthene	14.992	252	135918	13.064	ng	# 98
89) Benzo(k)fluoranthene	15.286	252	47284	4.831	ng	99
90) Benzo(a)pyrene	15.286	252	49181	6.014	ng	98
92) Benzo(g,h,i)perylene	17.286	276	33560	4.160	ng	# 92

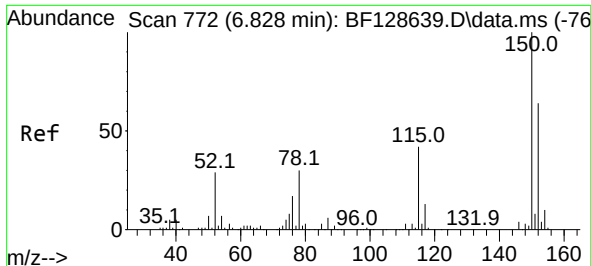
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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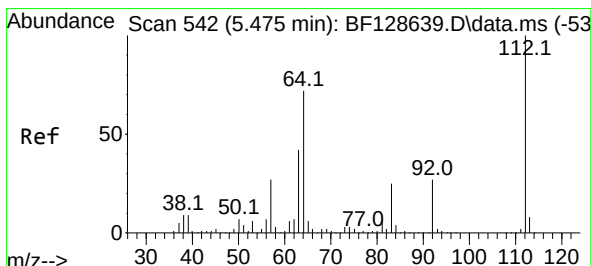
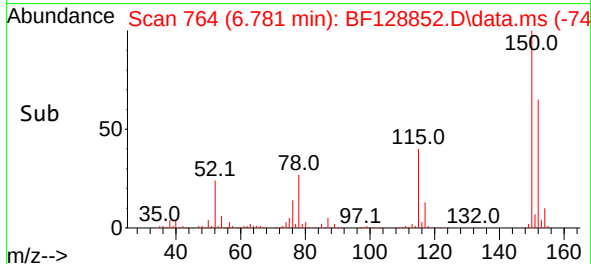
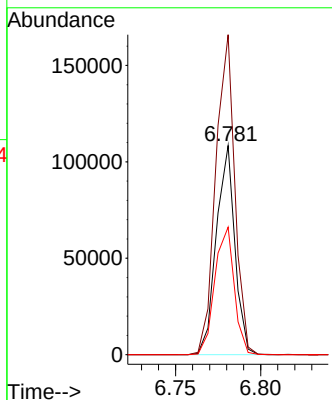
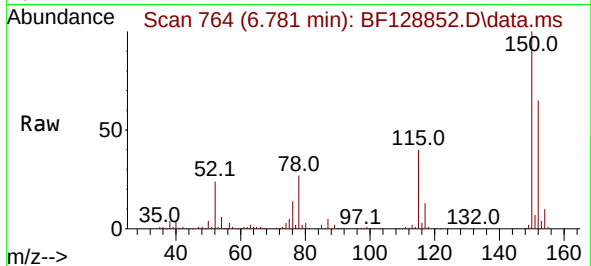




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

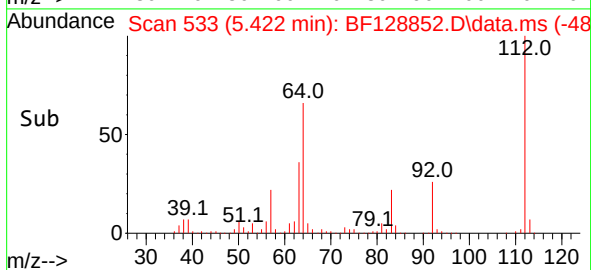
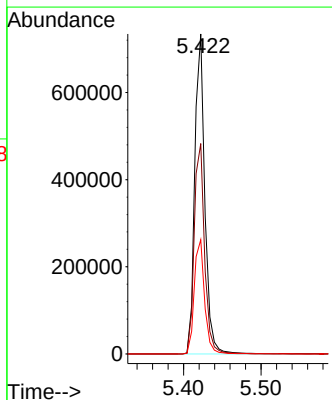
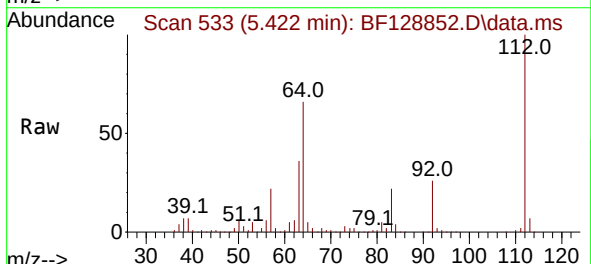
Instrument :
BNA_F
ClientSampleId :
VNJ-211

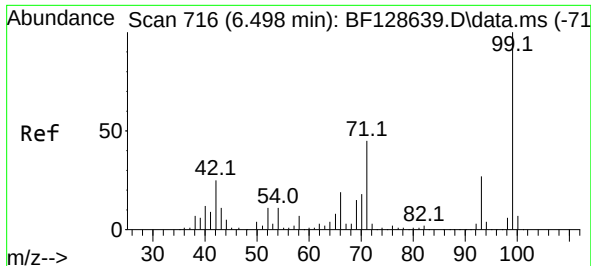
Tgt Ion:152 Resp: 82131
Ion Ratio Lower Upper
152 100
150 153.0 123.7 185.5
115 61.0 49.9 74.9



#5
2-Fluorophenol
Concen: 128.524 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.006 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion:112 Resp: 662707
Ion Ratio Lower Upper
112 100
64 65.8 53.3 79.9
63 35.7 28.0 42.0

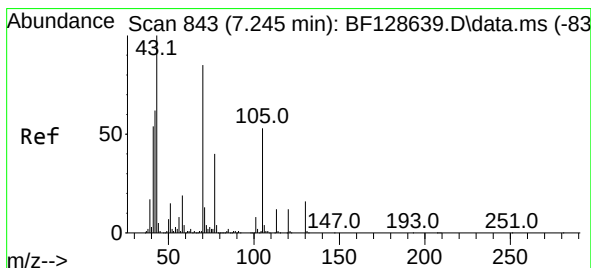
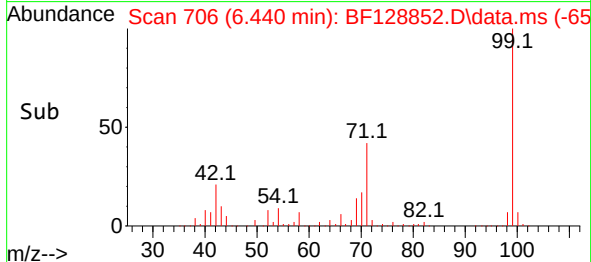
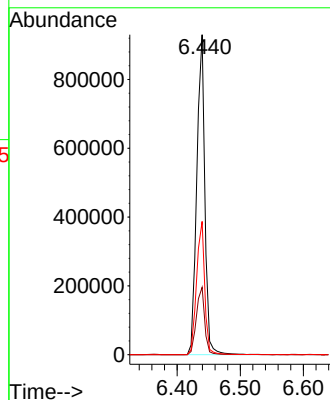
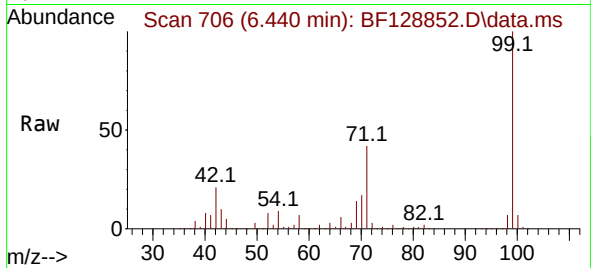




#7
Phenol-d6
Concen: 130.924 ng
RT: 6.440 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

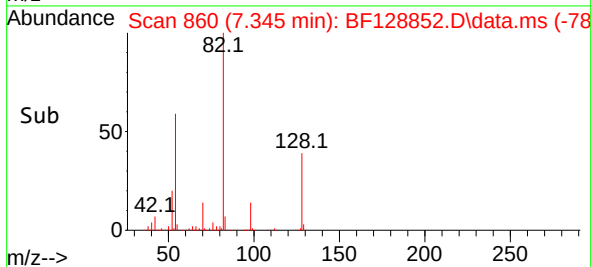
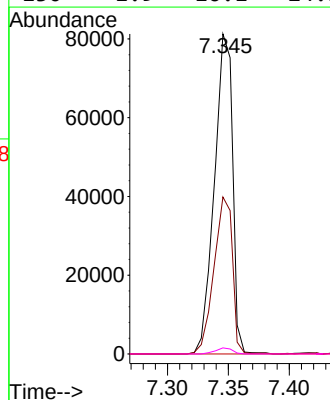
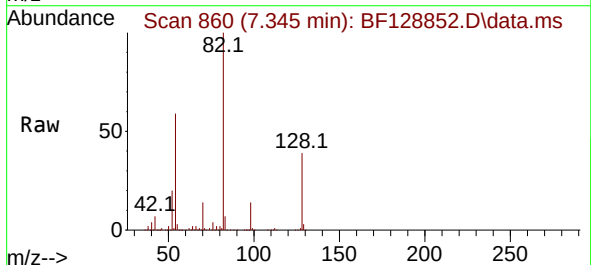
Instrument :
BNA_F
ClientSampleId :
VNJ-211

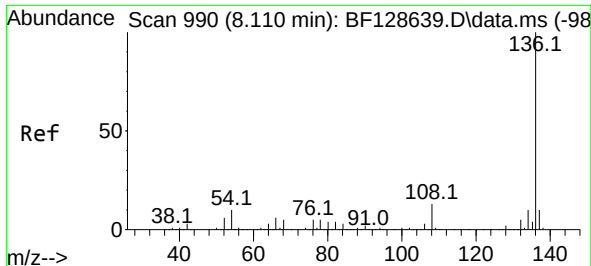
Tgt Ion: 99 Resp: 824056
Ion Ratio Lower Upper
99 100
42 21.0 17.3 25.9
71 41.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 21.570 ng
RT: 7.345 min Scan# 860
Delta R.T. 0.141 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion: 70 Resp: 84413
Ion Ratio Lower Upper
70 100
42 49.0 52.3 78.5#
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#

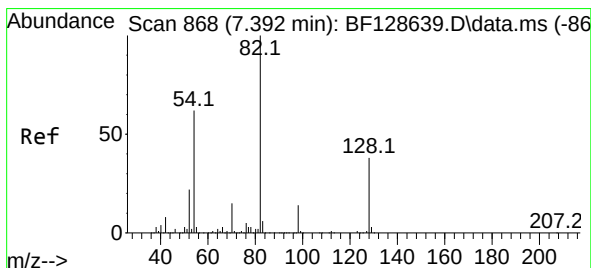
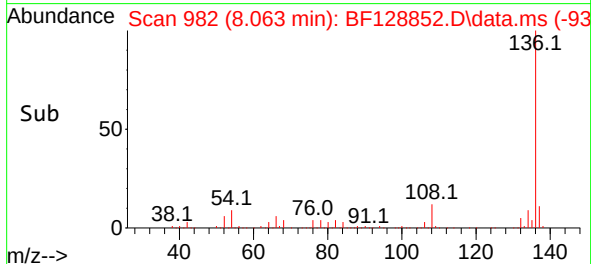
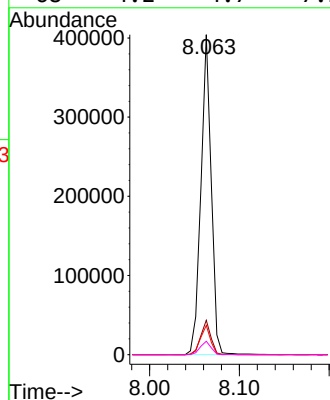
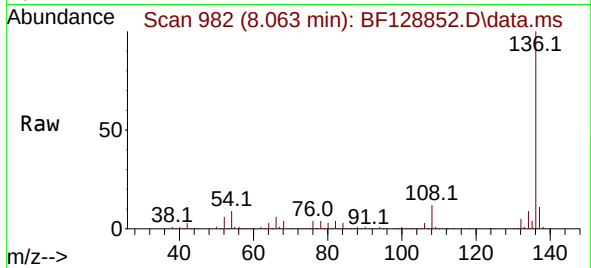




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

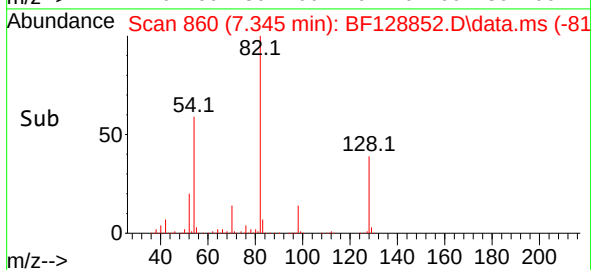
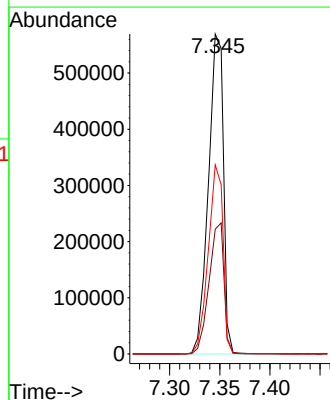
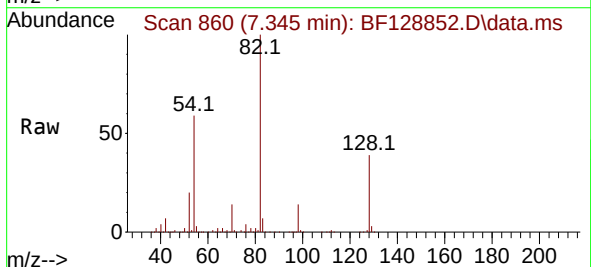
Instrument :
BNA_F
ClientSampleId :
VNJ-211

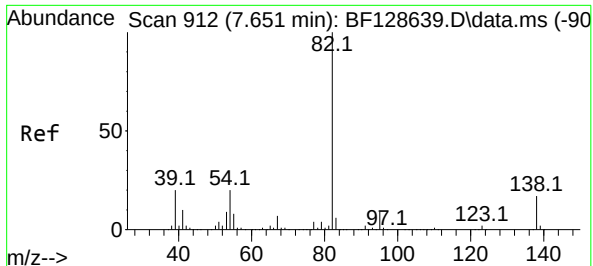
Tgt Ion:136 Resp: 322190
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.2 7.5 11.3
68 4.2 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 85.577 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion: 82 Resp: 592204
Ion Ratio Lower Upper
82 100
128 39.0 34.0 51.0
54 59.1 46.9 70.3

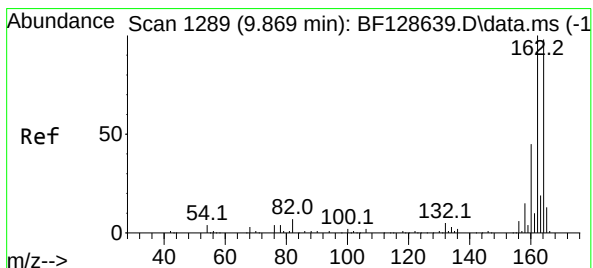
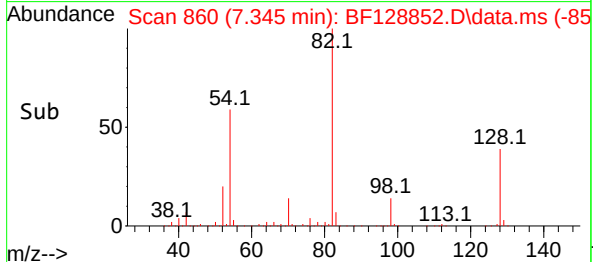
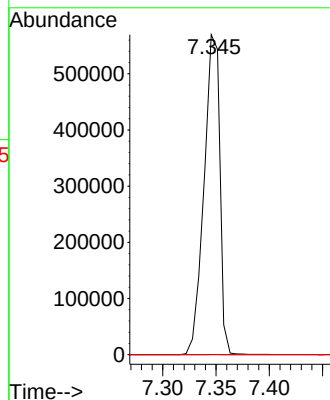
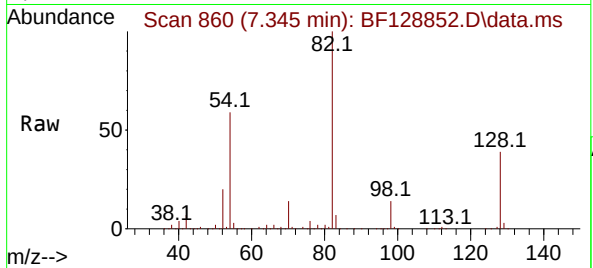




#25
Isophorone
Concen: 56.355 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

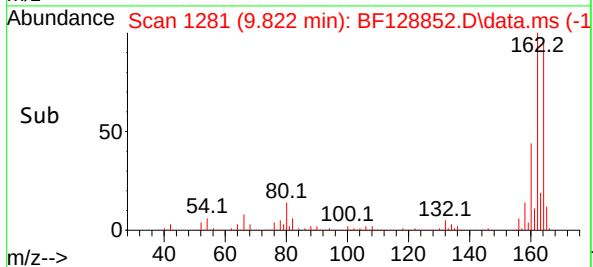
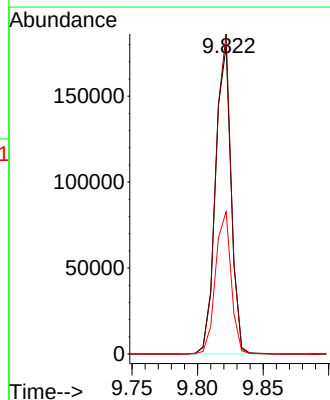
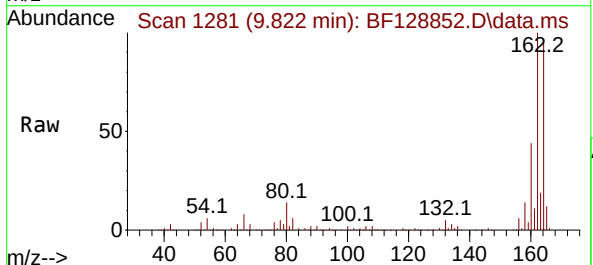
Instrument :
BNA_F
ClientSampleId :
VNJ-211

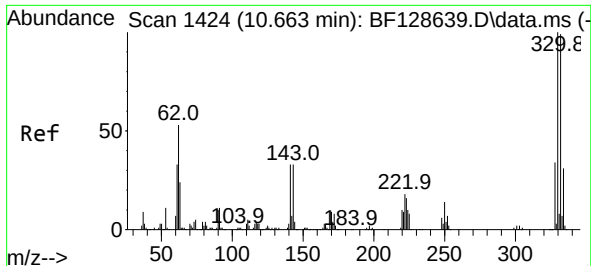
Tgt Ion: 82 Resp: 592297
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion:164 Resp: 148902
Ion Ratio Lower Upper
164 100
162 104.0 79.5 119.3
160 46.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 123.965 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF128852.D

Acq: 17 Jun 2022 14:09

Instrument :

BNA_F

ClientSampleId :

VNJ-211

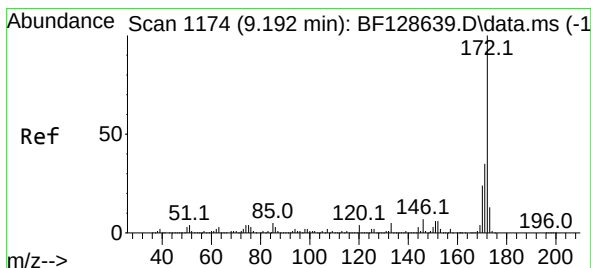
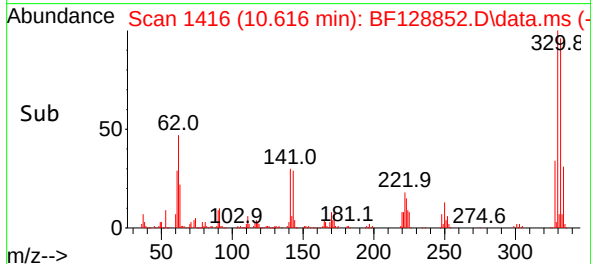
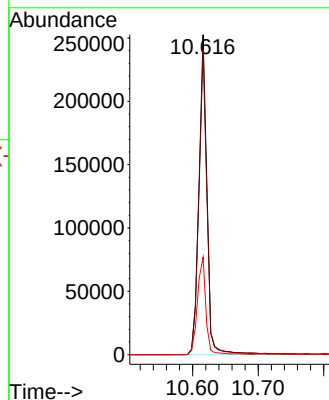
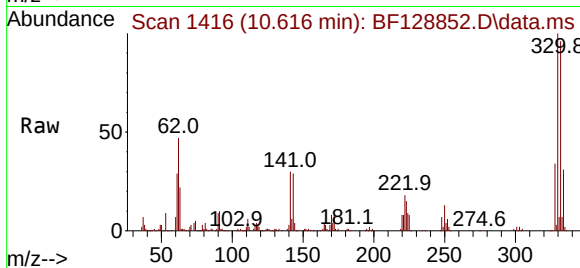
Tgt Ion:330 Resp: 218098

Ion Ratio Lower Upper

330 100

332 96.0 76.8 115.2

141 32.0 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 93.776 ng

RT: 9.145 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF128852.D

Acq: 17 Jun 2022 14:09

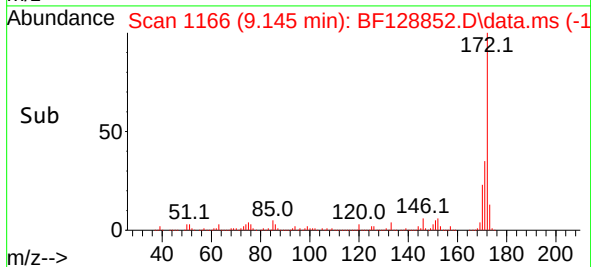
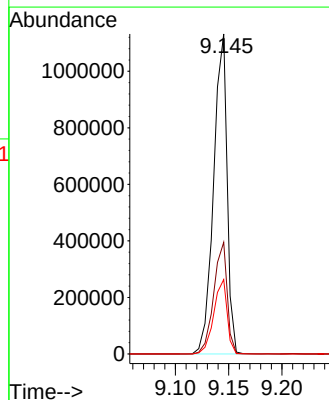
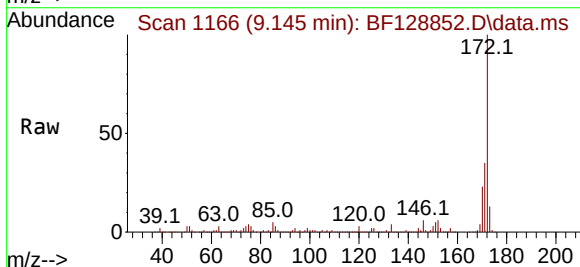
Tgt Ion:172 Resp: 996823

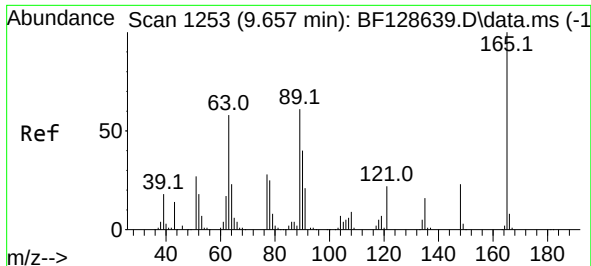
Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.2 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 9.498 ng

RT: 9.822 min Scan# 1281

Delta R.T. 0.206 min

Lab File: BF128852.D

Acq: 17 Jun 2022 14:09

Instrument :

BNA_F

ClientSampleId :

VNJ-211

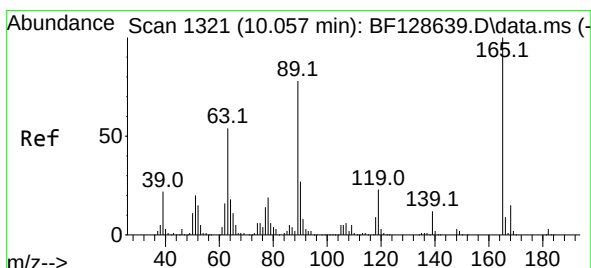
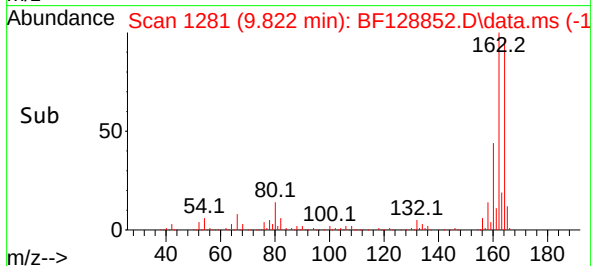
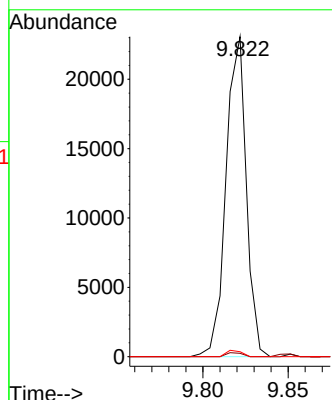
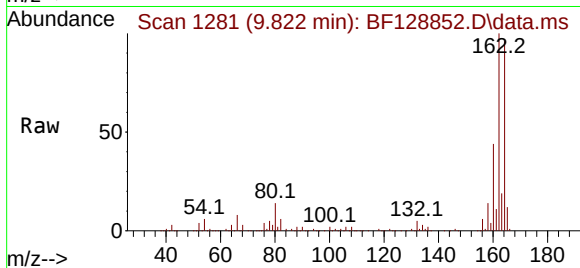
Tgt Ion:165 Resp: 19107

Ion Ratio Lower Upper

165 100

63 1.1 44.9 67.3#

89 1.6 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 7.117 ng

RT: 9.822 min Scan# 1281

Delta R.T. -0.200 min

Lab File: BF128852.D

Acq: 17 Jun 2022 14:09

Tgt Ion:165 Resp: 19107

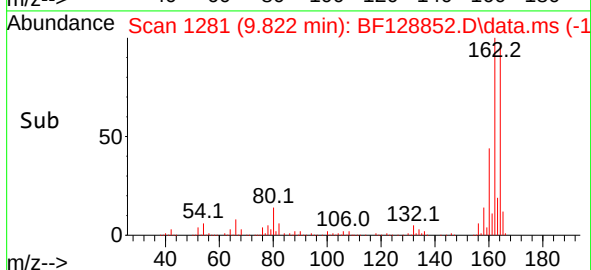
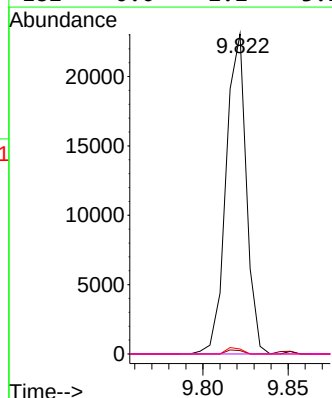
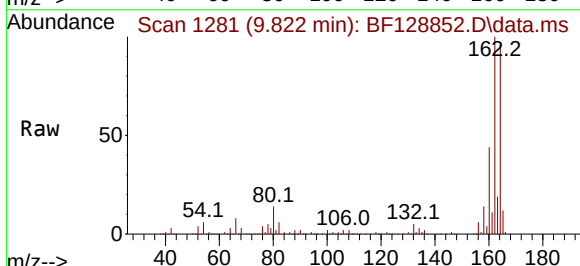
Ion Ratio Lower Upper

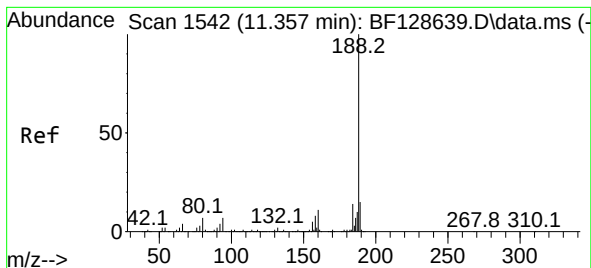
165 100

63 1.1 39.8 59.6#

89 1.6 60.2 90.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128852.D

Acq: 17 Jun 2022 14:09

Instrument :

BNA_F

ClientSampleId :

VNJ-211

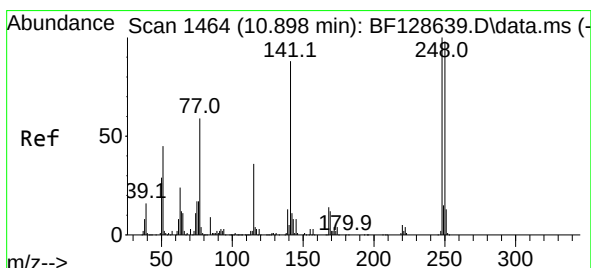
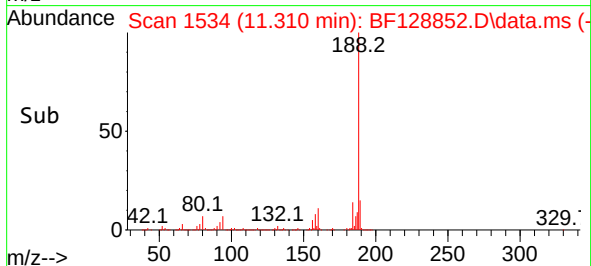
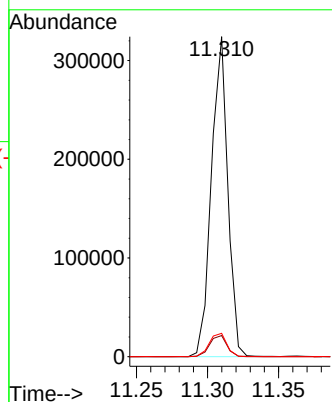
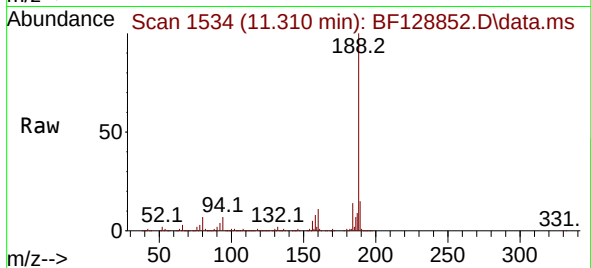
Tgt Ion:188 Resp: 259883

Ion Ratio Lower Upper

188 100

94 6.6 7.0 10.6#

80 7.3 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 4.826 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.241 min

Lab File: BF128852.D

Acq: 17 Jun 2022 14:09

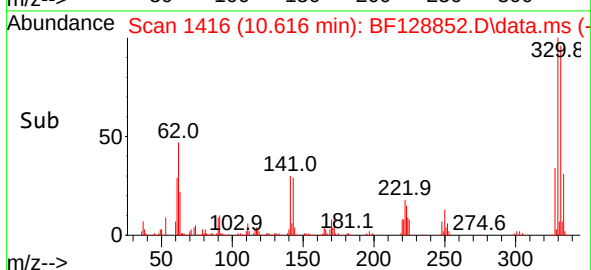
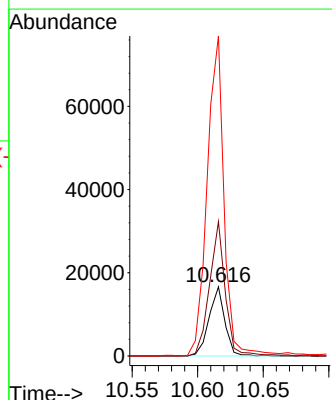
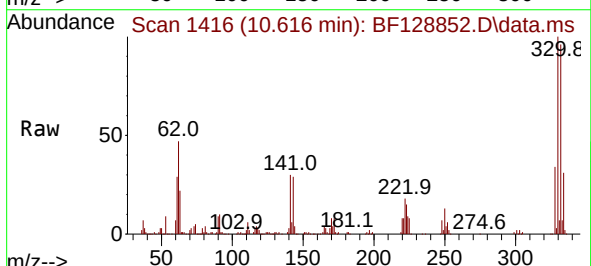
Tgt Ion:248 Resp: 13988

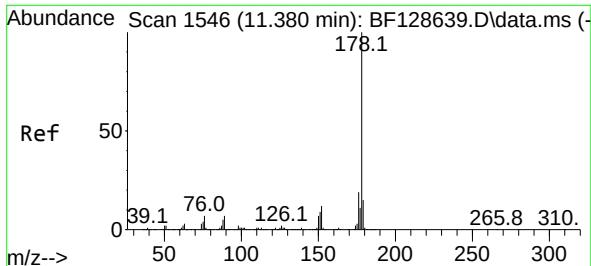
Ion Ratio Lower Upper

248 100

250 194.5 80.6 120.8#

141 463.3 58.9 88.3#

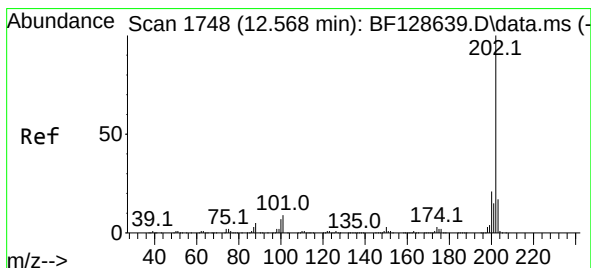
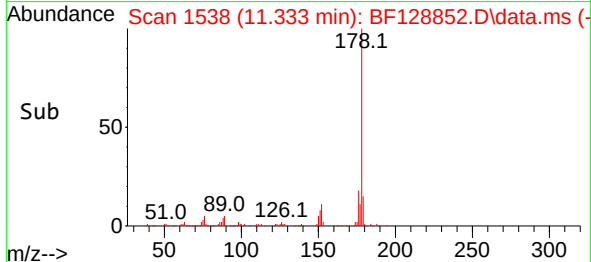
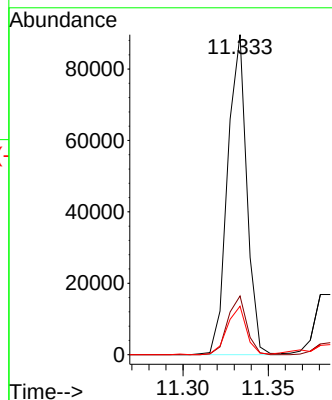
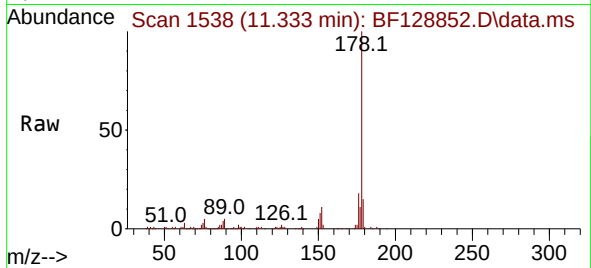




#71
Phenanthrene
Concen: 5.382 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

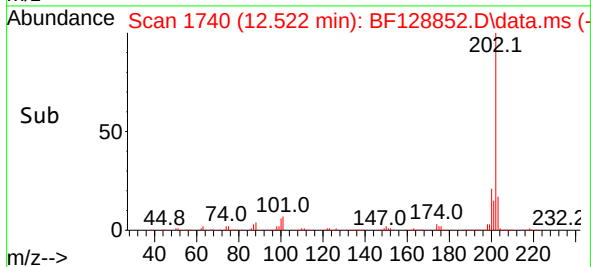
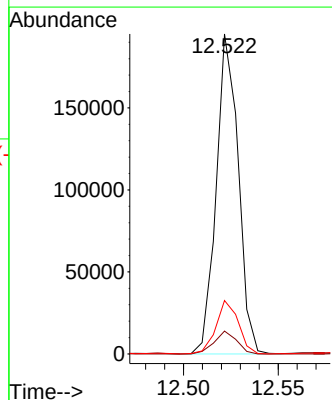
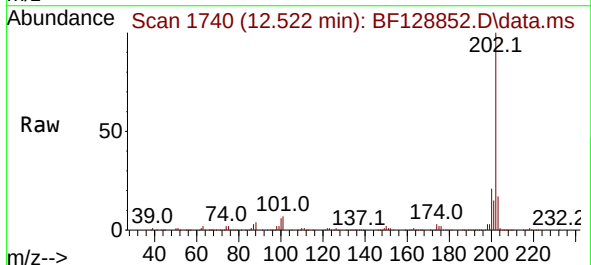
Instrument :
BNA_F
ClientSampleId :
VNJ-211

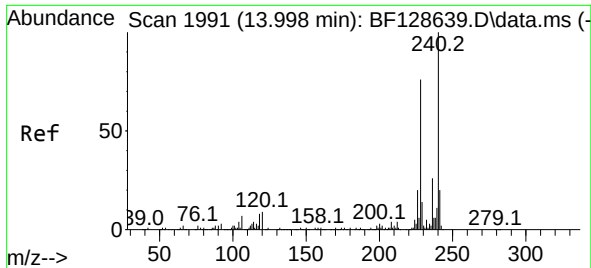
Tgt Ion:178 Resp: 70161
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.1 12.6 19.0



#75
Fluoranthene
Concen: 11.586 ng
RT: 12.522 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion:202 Resp: 157868
Ion Ratio Lower Upper
202 100
101 7.1 0.0 31.4
203 16.7 0.0 38.0

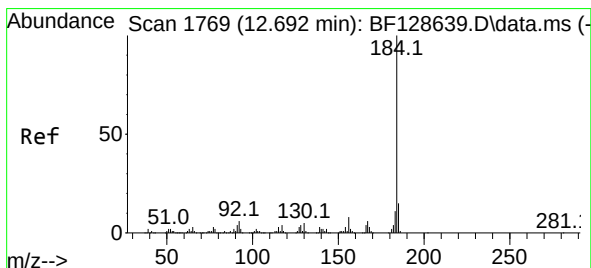
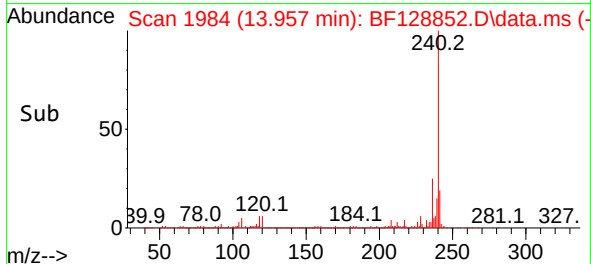
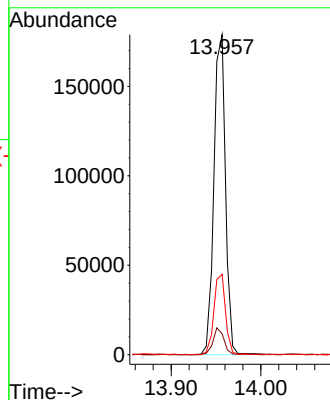
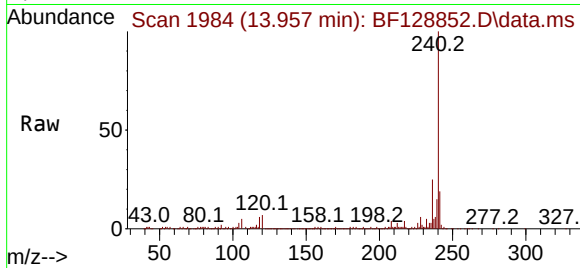




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

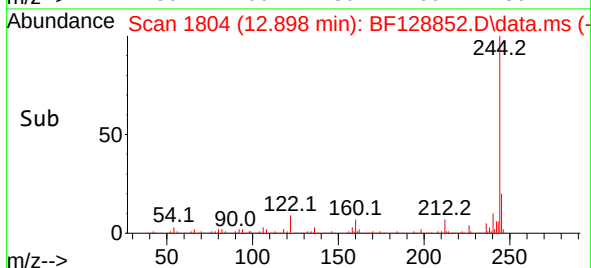
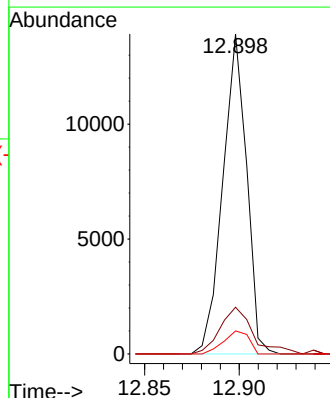
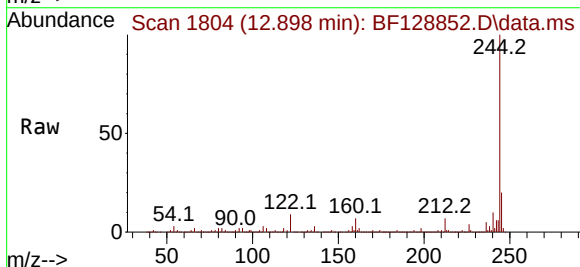
Instrument :
BNA_F
ClientSampleId :
VNJ-211

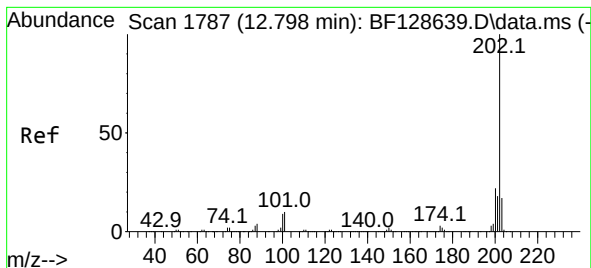
Tgt Ion:240 Resp: 160932
Ion Ratio Lower Upper
240 100
120 6.5 8.9 13.3#
236 25.1 20.8 31.2



#77
Benzidine
Concen: 3.785 ng
RT: 12.898 min Scan# 1804
Delta R.T. 0.247 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion:184 Resp: 12144
Ion Ratio Lower Upper
184 100
185 14.6 11.9 17.9
183 7.2 9.3 13.9#





#78

Pyrene

Concen: 11.363 ng

RT: 12.751 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128852.D

Acq: 17 Jun 2022 14:09

Instrument :

BNA_F

ClientSampleId :

VNJ-211

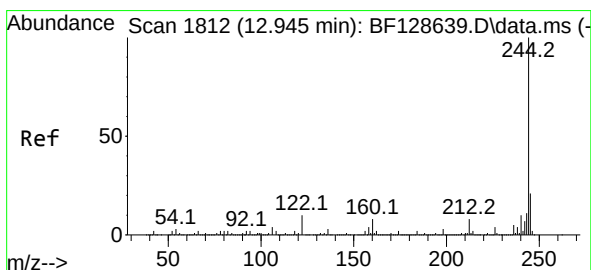
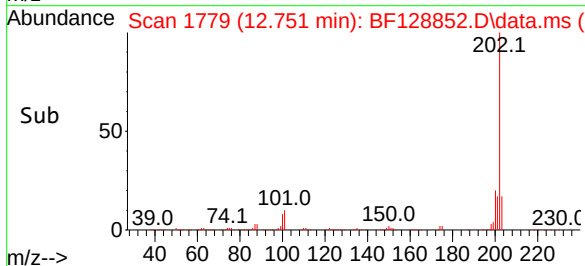
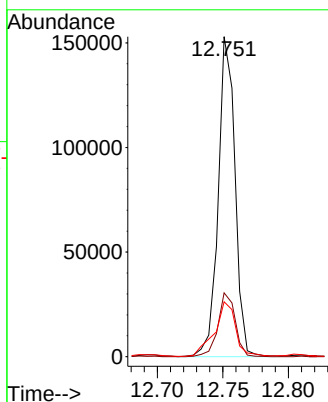
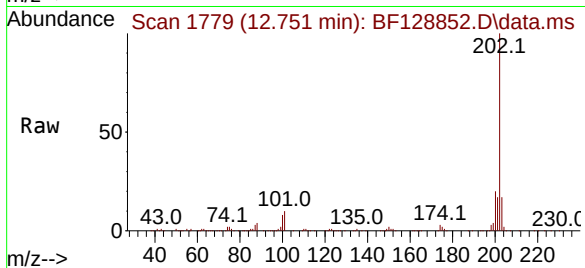
Tgt Ion:202 Resp: 136057

Ion Ratio Lower Upper

202 100

200 20.0 17.7 26.5

203 17.1 14.6 21.8



#79

Terphenyl-d14

Concen: 94.064 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128852.D

Acq: 17 Jun 2022 14:09

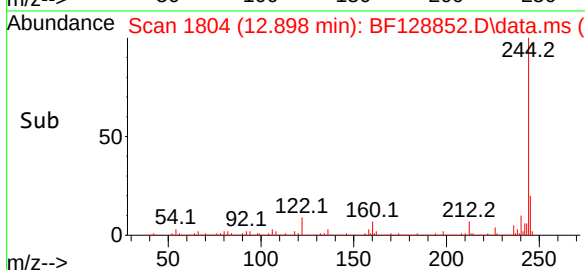
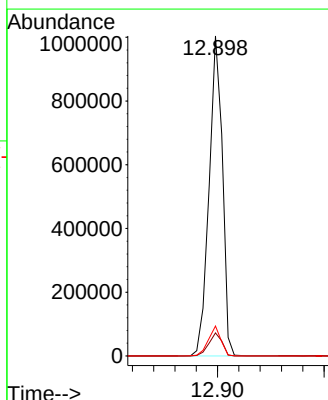
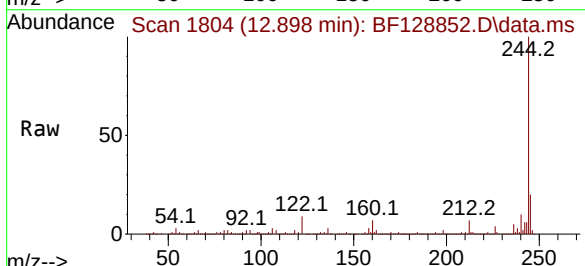
Tgt Ion:244 Resp: 871176

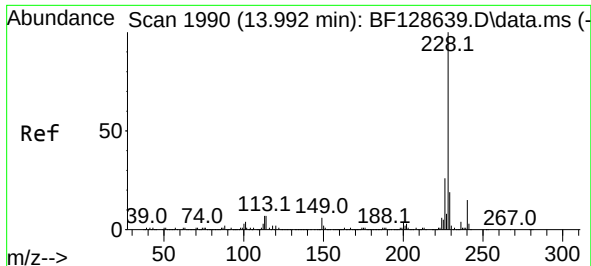
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 9.3 8.8 13.2

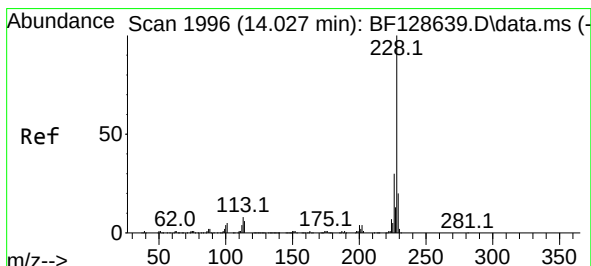
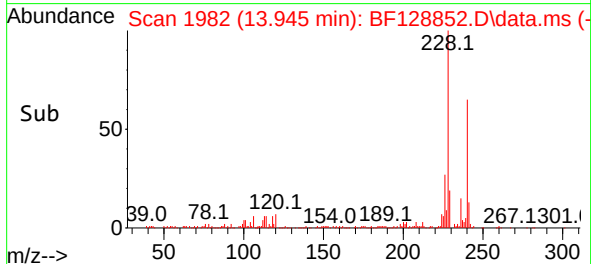
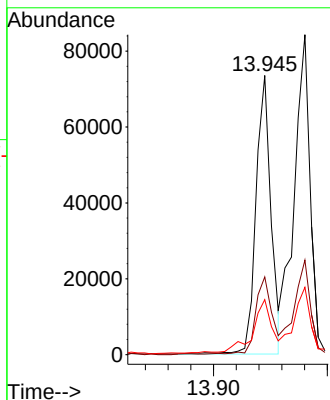
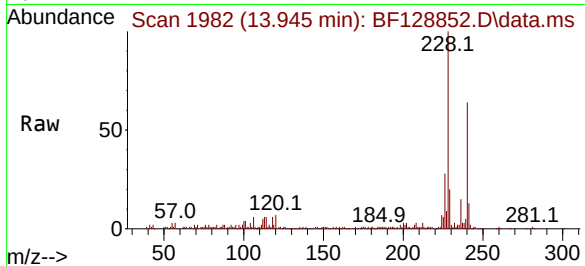




#81
Benzo(a)anthracene
Concen: 6.699 ng
RT: 13.945 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

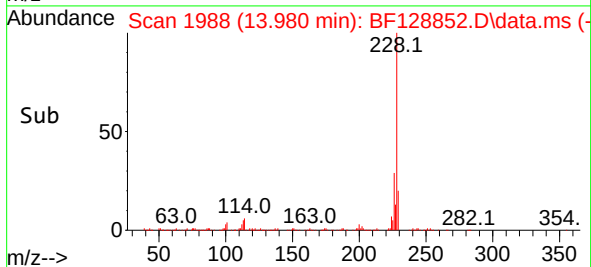
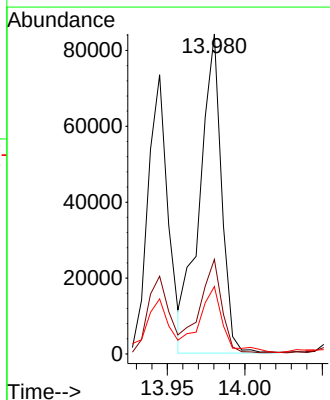
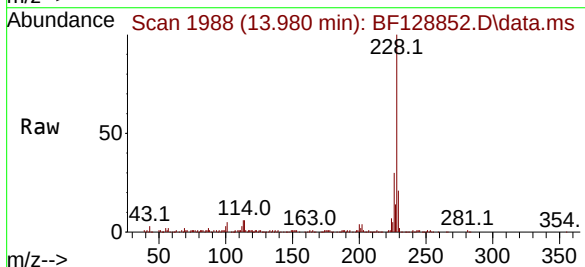
Instrument :
BNA_F
ClientSampleId :
VNJ-211

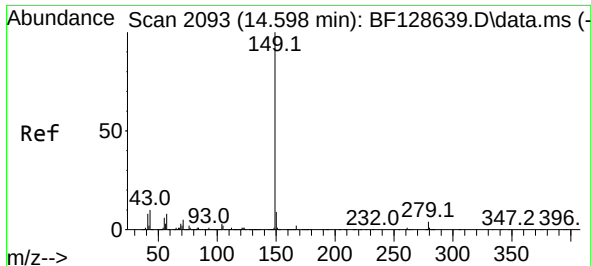
Tgt Ion:228 Resp: 67200
Ion Ratio Lower Upper
228 100
226 27.8 22.1 33.1
229 19.7 15.8 23.8



#83
Chrysene
Concen: 8.660 ng
RT: 13.980 min Scan# 1988
Delta R.T. -0.012 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion:228 Resp: 82818
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 21.0 15.9 23.9

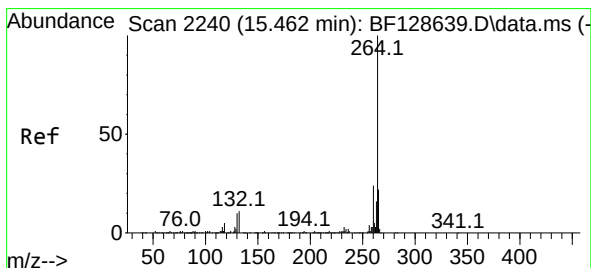
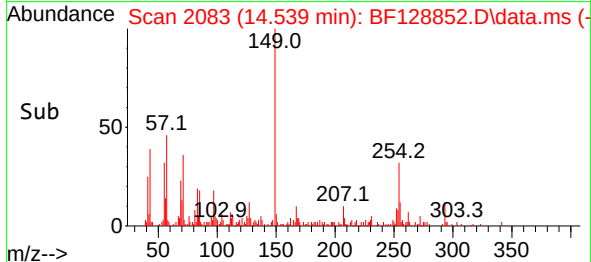
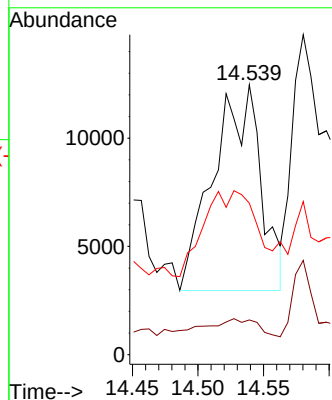
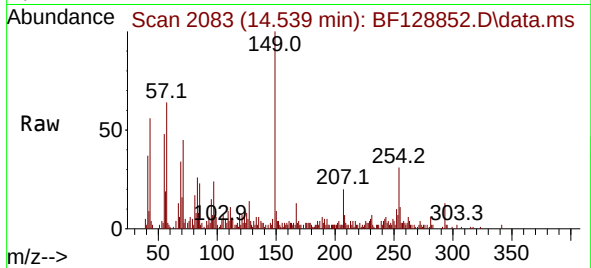




#85
Di-n-octyl phthalate
Concen: 2.423 ng
RT: 14.539 min Scan# 2093
Delta R.T. -0.012 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

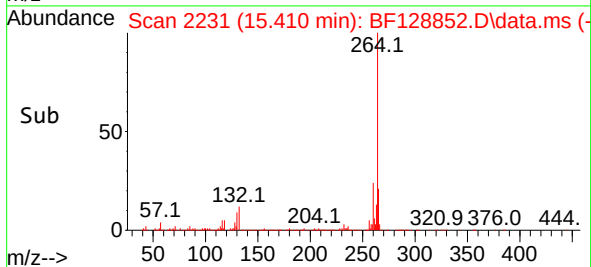
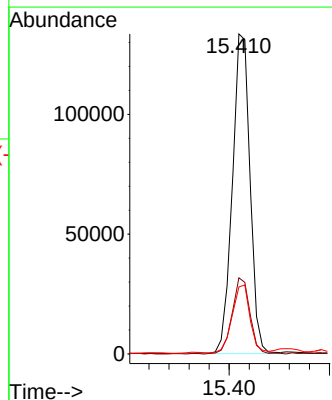
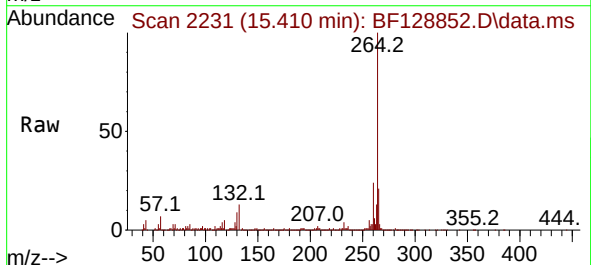
Instrument :
BNA_F
ClientSampleId :
VNJ-211

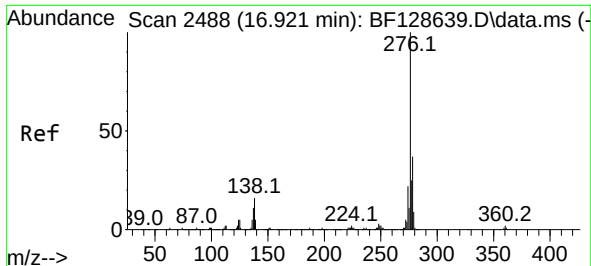
Tgt Ion:149 Resp: 23857
Ion Ratio Lower Upper
149 100
167 8.7 1.3 1.9#
43 0.0 9.2 13.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2231
Delta R.T. -0.006 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion:264 Resp: 162823
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 21.0 17.2 25.8

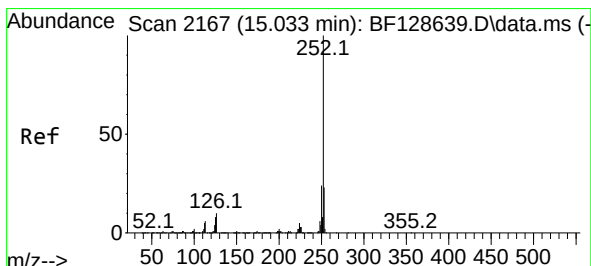
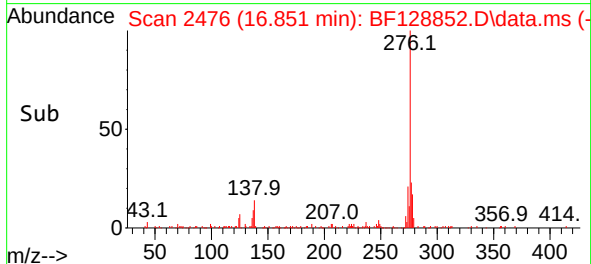
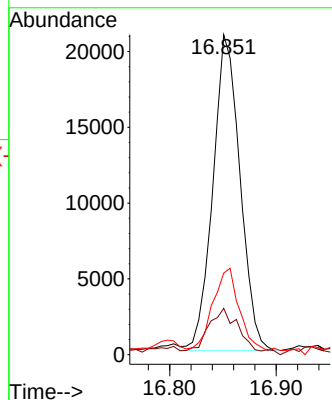
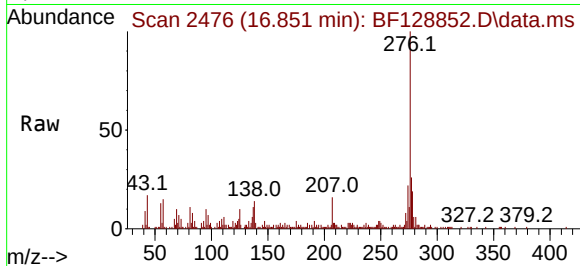




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.751 ng
RT: 16.851 min Scan# 2488
Delta R.T. -0.012 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

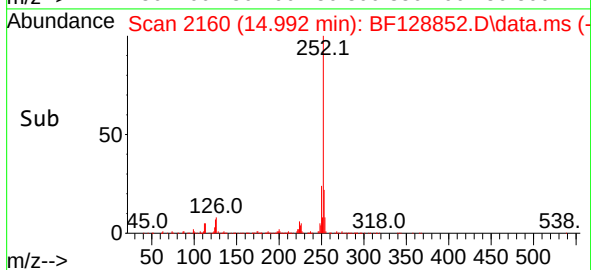
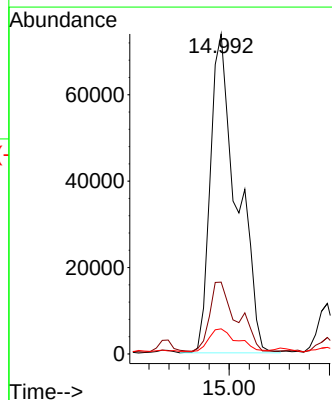
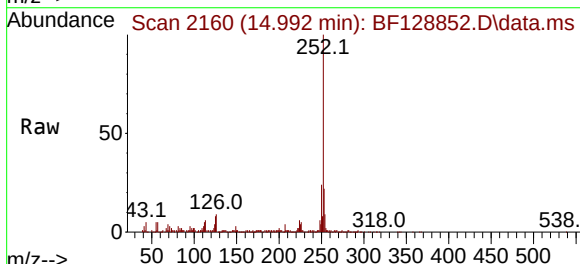
Instrument :
BNA_F
ClientSampleId :
VNJ-211

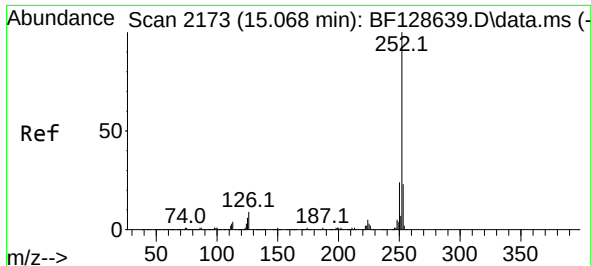
Tgt Ion:276 Resp: 36815
Ion Ratio Lower Upper
276 100
138 17.1 21.1 31.7#
277 30.2 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 13.064 ng
RT: 14.992 min Scan# 2160
Delta R.T. 0.000 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion:252 Resp: 135918
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 7.8 8.0 12.0#

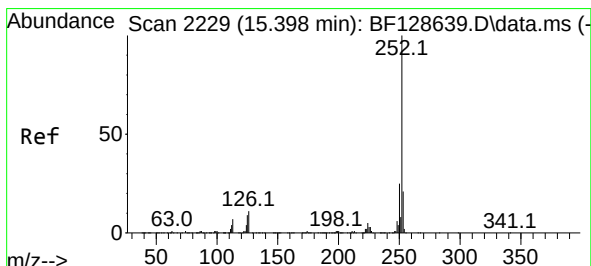
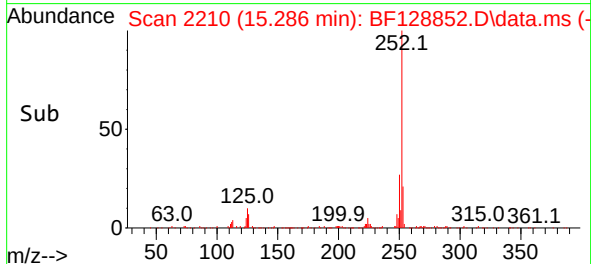
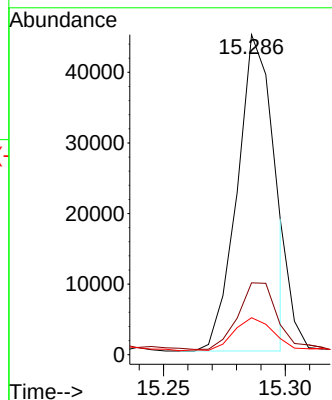
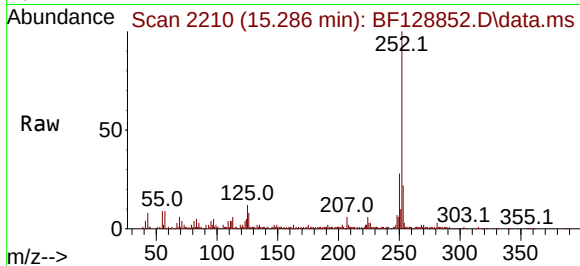




#89
Benzo(k)fluoranthene
Concen: 4.831 ng
RT: 15.286 min Scan# 2173
Delta R.T. 0.259 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

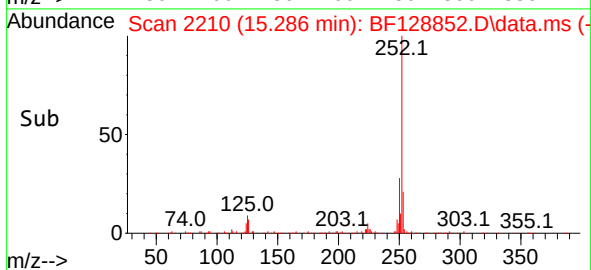
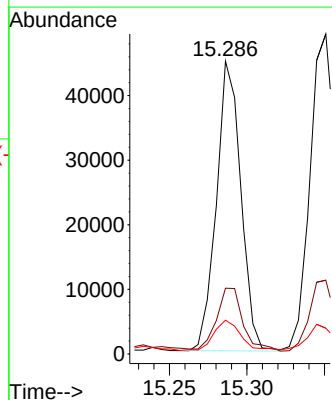
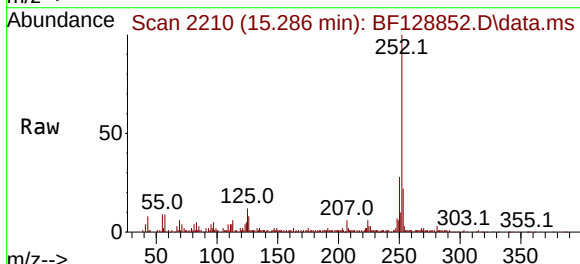
Instrument :
BNA_F
ClientSampleId :
VNJ-211

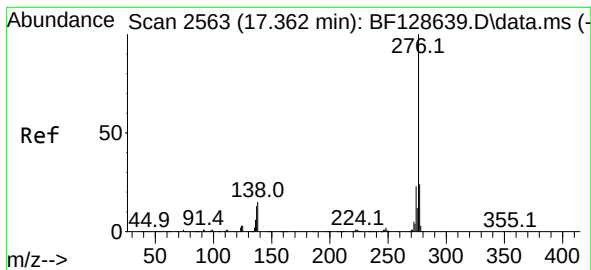
Tgt Ion:252 Resp: 47284
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.6 8.3 12.5



#90
Benzo(a)pyrene
Concen: 6.014 ng
RT: 15.286 min Scan# 2210
Delta R.T. -0.070 min
Lab File: BF128852.D
Acq: 17 Jun 2022 14:09

Tgt Ion:252 Resp: 49181
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 11.6 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.160 ng

RT: 17.286 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128852.D

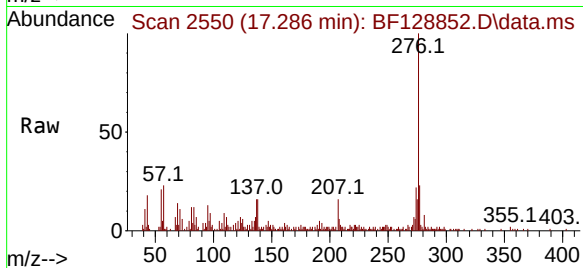
Acq: 17 Jun 2022 14:09

Instrument :

BNA_F

ClientSampleId :

VNJ-211



Tgt Ion:276 Resp: 33560

Ion Ratio Lower Upper

276 100

277 22.9 19.1 28.7

138 15.7 18.0 27.0#

