

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134325.D
 Acq On : 17 Jul 2023 20:22
 Operator : CG\JU
 Sample : 03617-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Quant Time: Jul 18 01:16:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

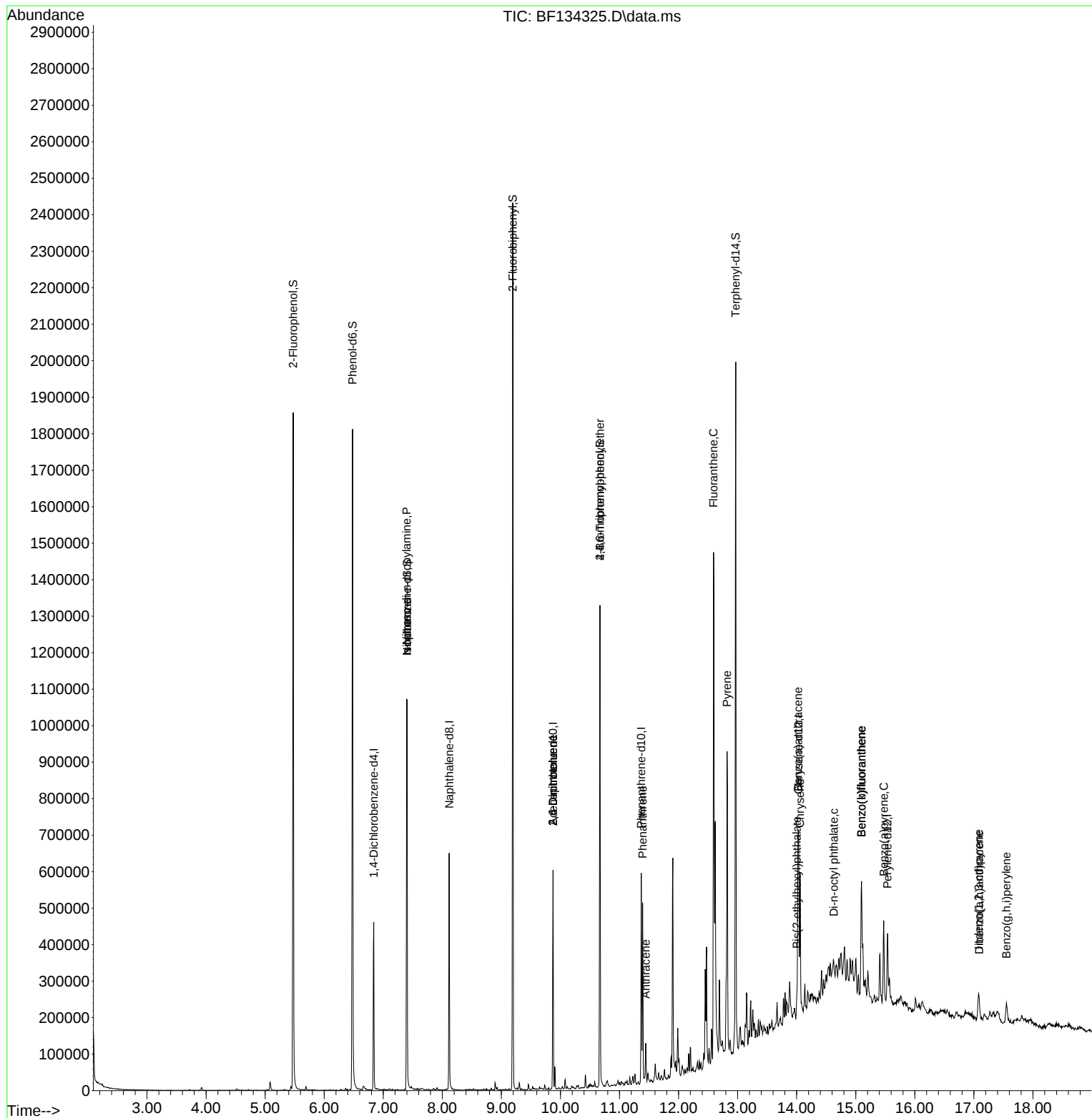
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	65149	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	238236	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	106468	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	186243	20.000	ng	0.00
76) Chrysene-d12	14.033	240	114667	20.000	ng	0.00
86) Perylene-d12	15.539	264	92770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	449786	115.487	ng	0.00
7) Phenol-d6	6.481	99	526385	109.900	ng	0.00
23) Nitrobenzene-d5	7.404	82	349335	79.044	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	151106	113.197	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	660658	90.217	ng	-0.01
79) Terphenyl-d14	12.969	244	643132	90.267	ng	0.00
Target Compounds						
9) Benzaldehyde	6.393	77	246	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	50335	16.571	ng	# 1
25) Isophorone	7.404	82	349331	43.492	ng	# 75
51) 2,6-Dinitrotoluene	9.875	165	13847	8.319	ng	# 64
57) 2,4-Dinitrotoluene	9.875	165	13847	6.299	ng	# 24
67) 4-Bromophenyl-phenylether	10.669	248	9096	4.595	ng	# 23
71) Phenanthrene	11.392	178	161690	17.245	ng	# 1
72) Anthracene	11.445	178	36692	3.763	ng	98
75) Fluoranthene	12.592	202	423771	41.808	ng	99
78) Pyrene	12.821	202	371666	34.828	ng	98
81) Benzo(a)anthracene	14.021	228	176652	22.214	ng	99
83) Chrysene	14.057	228	151168	19.626	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	9694	2.108	ng	# 95
85) Di-n-octyl phthalate	14.627	149	25349	3.751	ng	# 53
87) Indeno(1,2,3-cd)pyrene	17.080	276	59152	9.189	ng	94
88) Benzo(b)fluoranthene	15.098	252	222343	40.760	ng	100
89) Benzo(k)fluoranthene	15.098	252	222343	40.033	ng	99
90) Benzo(a)pyrene	15.474	252	105178	19.939	ng	97
91) Dibenzo(a,h)anthracene	17.092	278	14844	2.823	ng	# 88
92) Benzo(g,h,i)perylene	17.551	276	57414	10.589	ng	96

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

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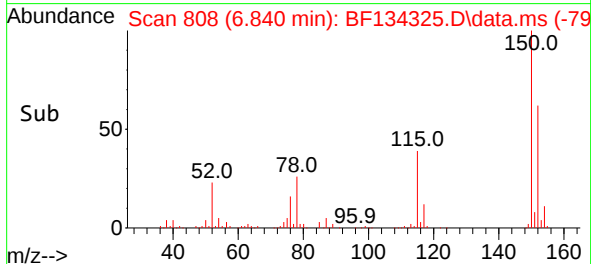
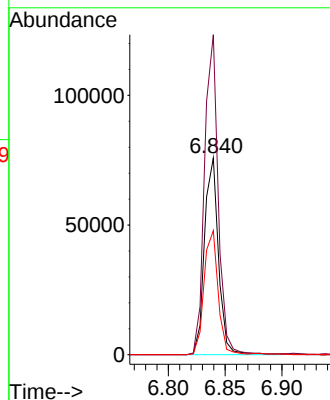
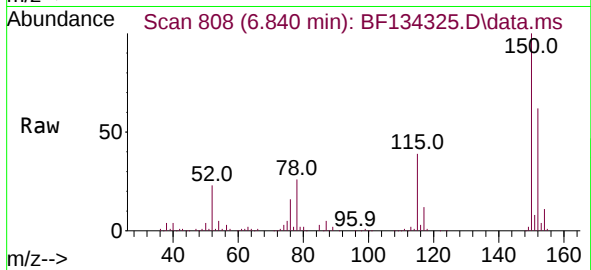




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

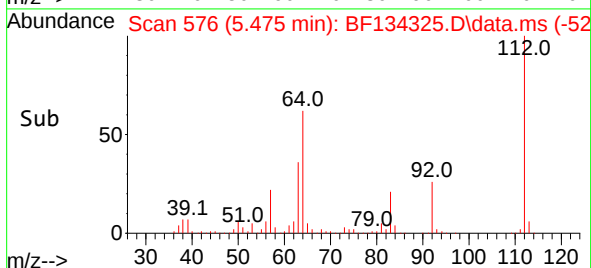
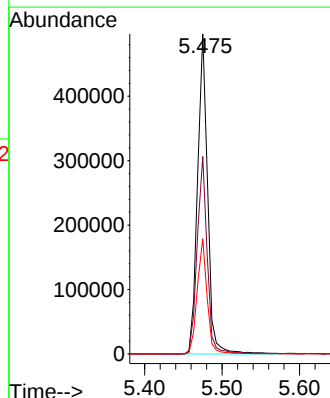
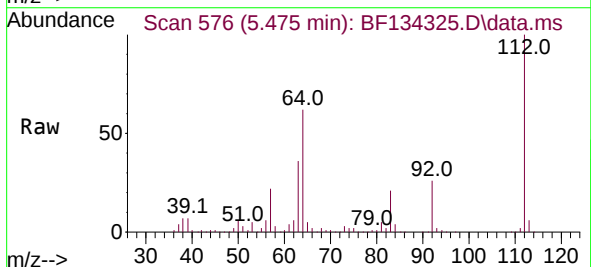
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:152 Resp: 65149
Ion Ratio Lower Upper
152 100
150 162.6 124.5 186.7
115 63.0 50.2 75.2



#5
2-Fluorophenol
Concen: 115.487 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Tgt Ion:112 Resp: 449786
Ion Ratio Lower Upper
112 100
64 61.7 52.1 78.1
63 36.0 28.6 42.8

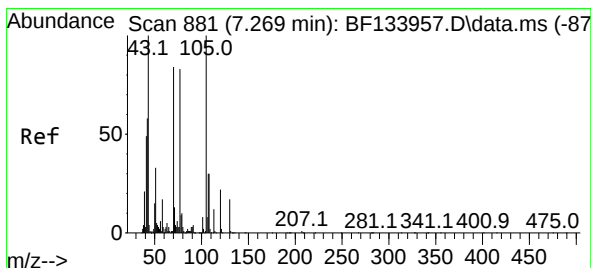
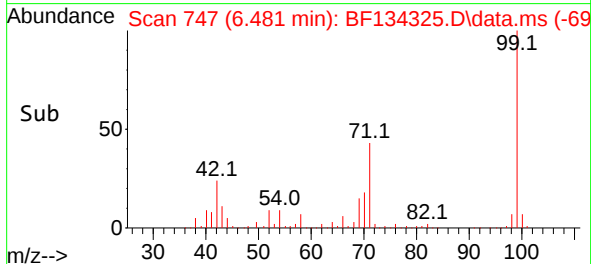
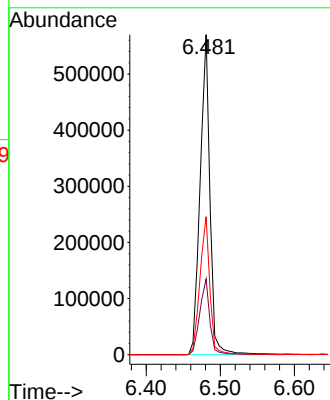
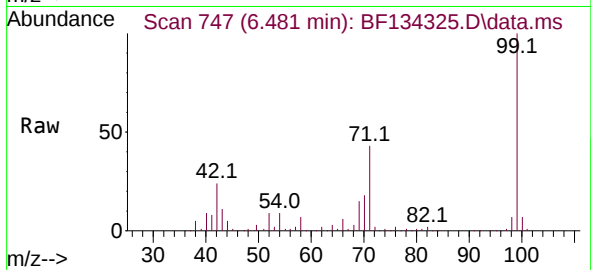




#7
Phenol-d6
Concen: 109.900 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

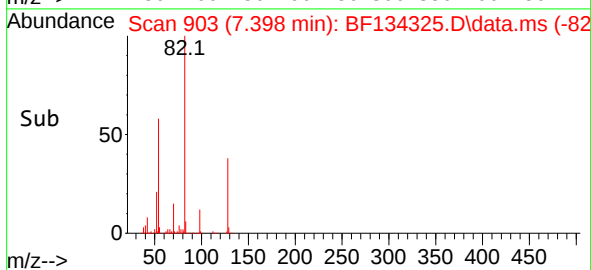
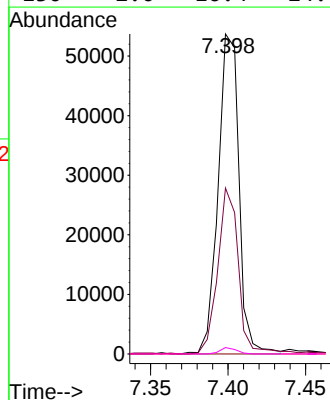
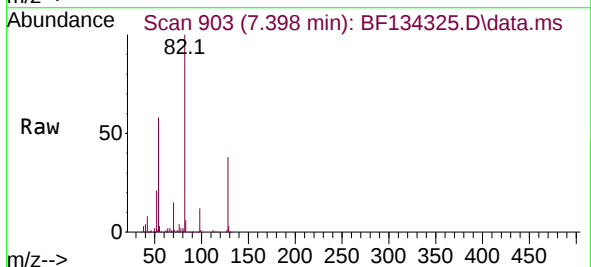
Instrument :
BNA_F
ClientSampleId :
VNJ-214

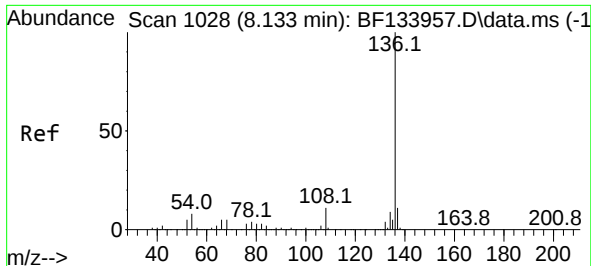
Tgt Ion: 99 Resp: 526385
Ion Ratio Lower Upper
99 100
42 23.7 19.8 29.6
71 43.1 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.571 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Tgt Ion: 70 Resp: 50335
Ion Ratio Lower Upper
70 100
42 51.8 54.7 82.1#
101 0.0 7.7 11.5#
130 2.0 16.4 24.6#



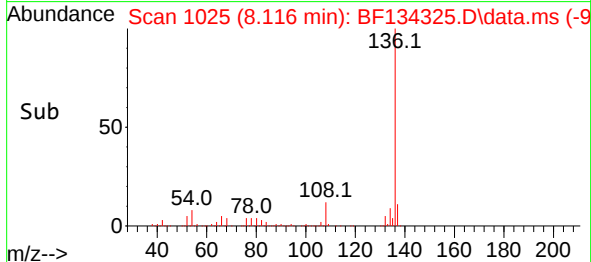
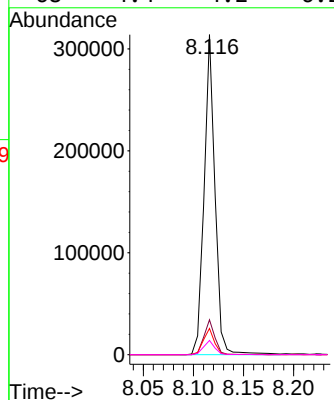
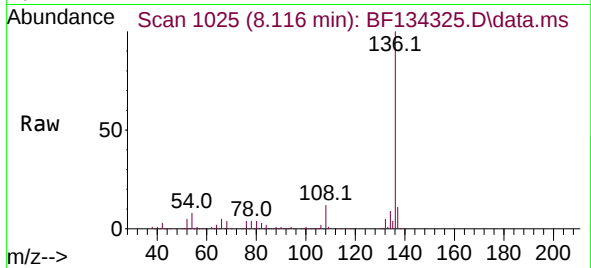


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:136 Resp: 238236

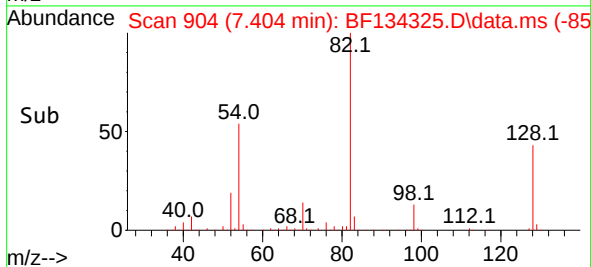
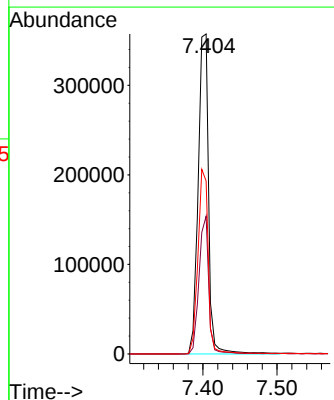
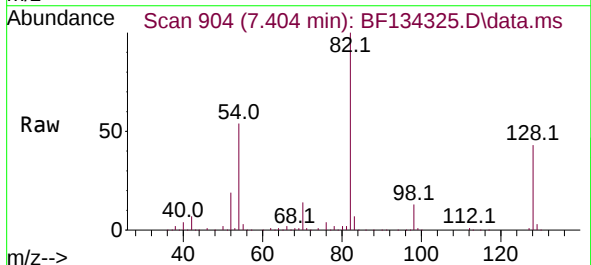
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.2	6.5	9.7
68	4.4	4.2	6.2



#23
Nitrobenzene-d5
Concen: 79.044 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Tgt Ion: 82 Resp: 349335

Ion	Ratio	Lower	Upper
82	100		
128	43.1	32.5	48.7
54	54.0	48.2	72.2

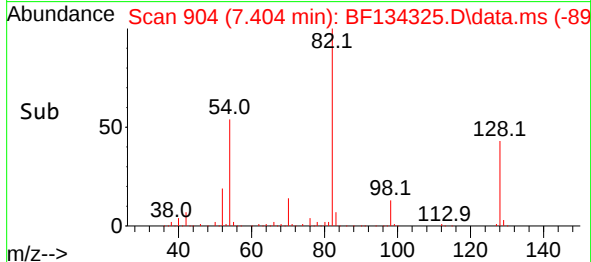
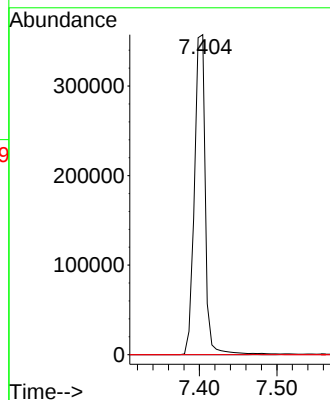
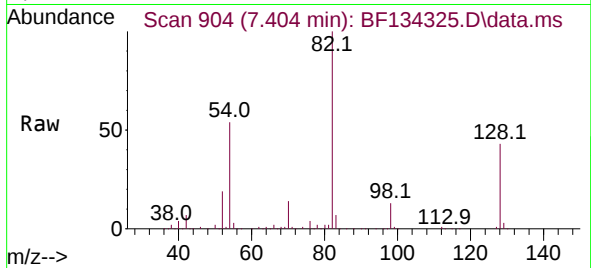




#25
Isophorone
Concen: 43.492 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

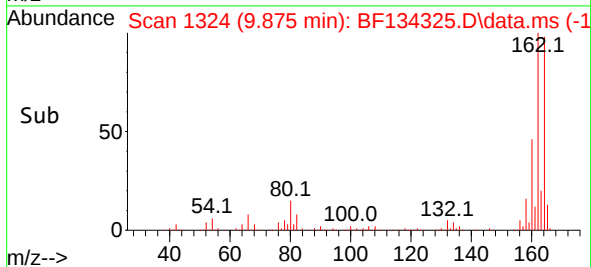
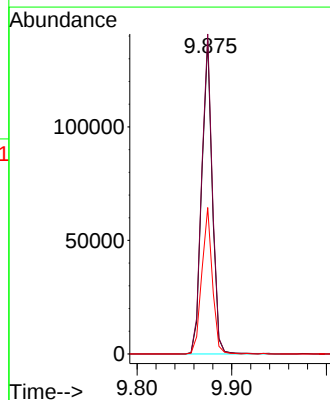
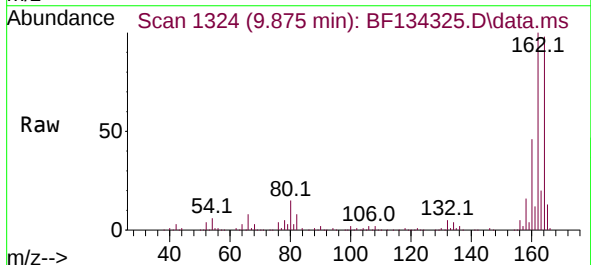
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion: 82 Resp: 349331
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Tgt Ion:164 Resp: 106468
Ion Ratio Lower Upper
164 100
162 102.1 80.0 120.0
160 46.7 35.9 53.9

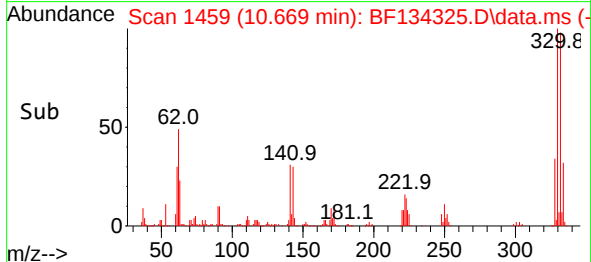
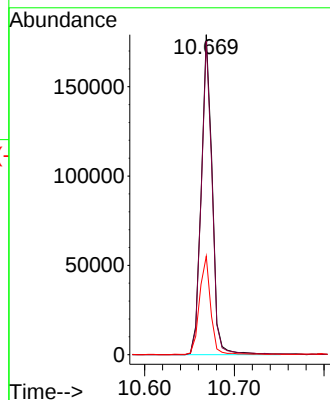
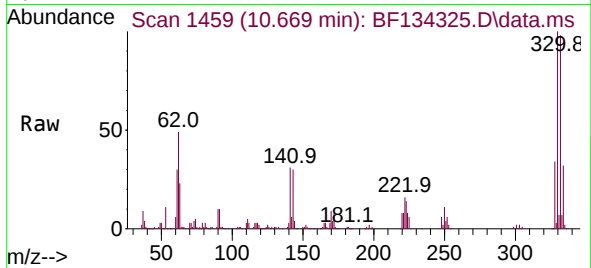




#42
2,4,6-Tribromophenol
Concen: 113.197 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

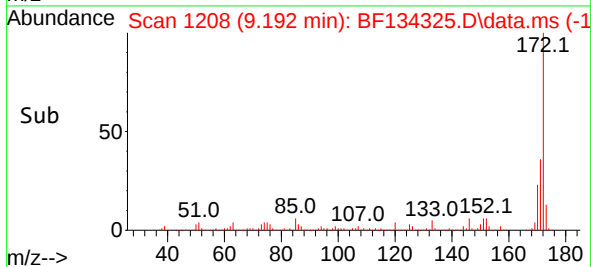
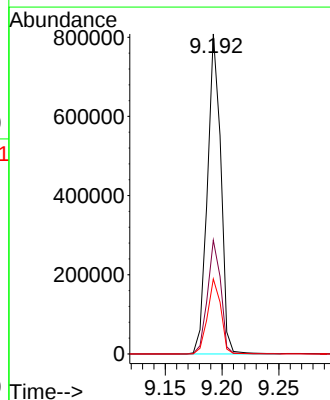
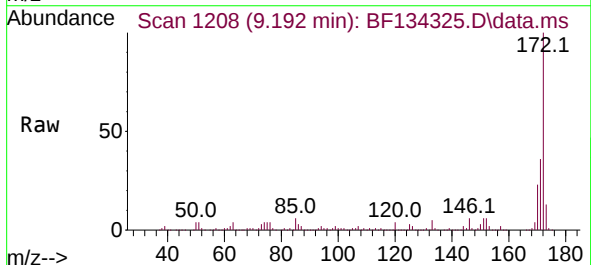
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:330 Resp: 151106
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 31.8 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 90.217 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Tgt Ion:172 Resp: 660658
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.5 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.319 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

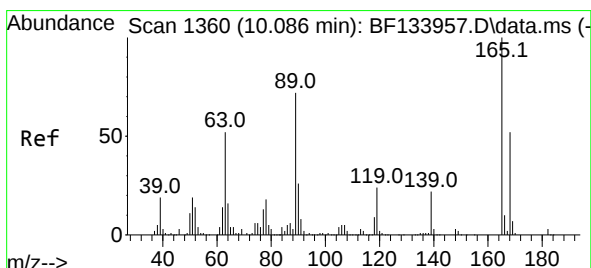
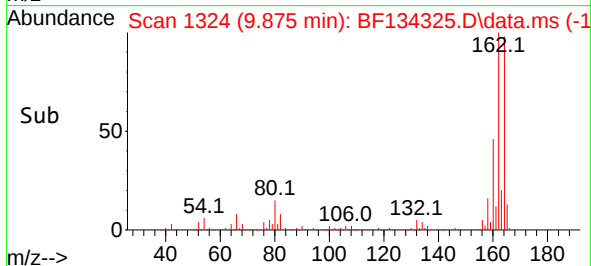
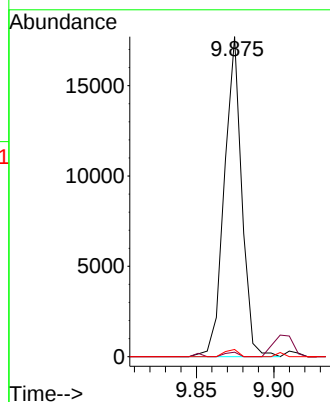
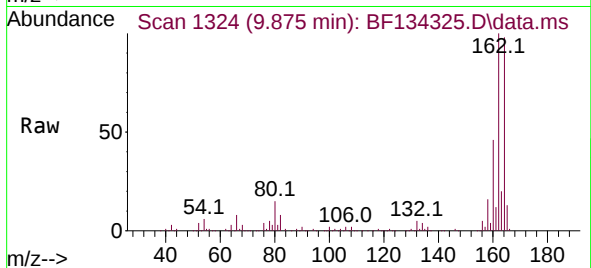
Tgt Ion:165 Resp: 13847

Ion Ratio Lower Upper

165 100

63 1.4 48.5 72.7#

89 2.2 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.299 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Tgt Ion:165 Resp: 13847

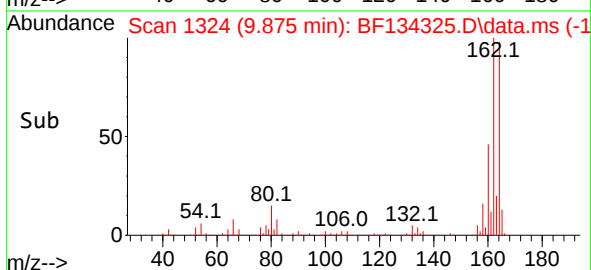
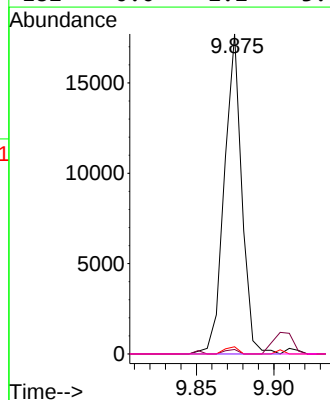
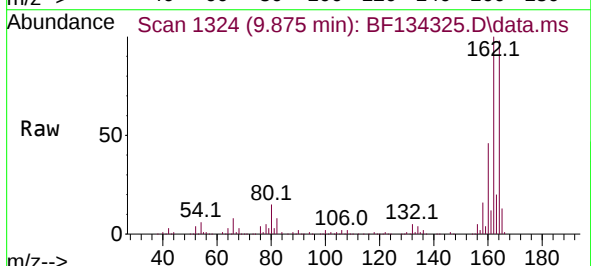
Ion Ratio Lower Upper

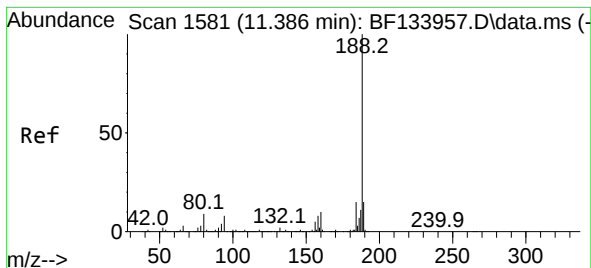
165 100

63 1.4 42.2 63.2#

89 2.2 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

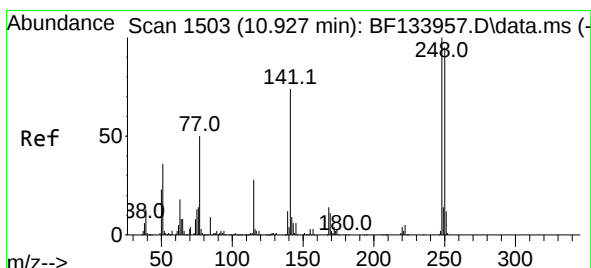
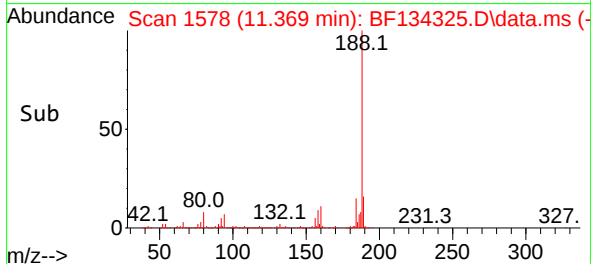
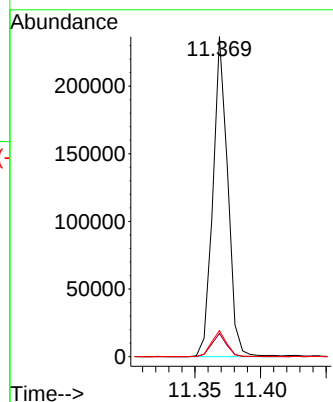
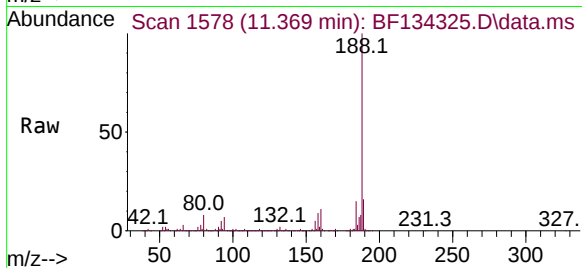
Tgt Ion:188 Resp: 186243

Ion Ratio Lower Upper

188 100

94 7.2 6.4 9.6

80 8.2 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.595 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

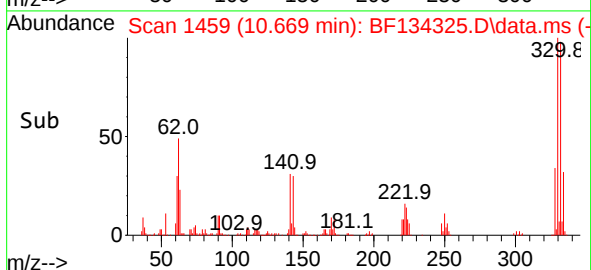
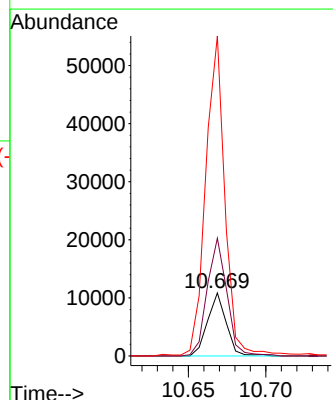
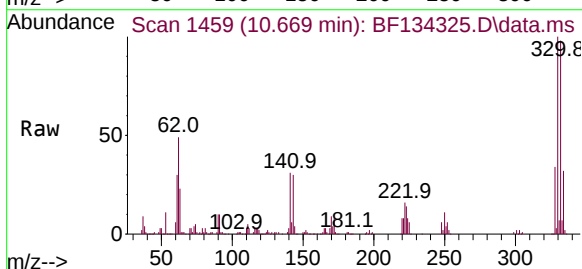
Tgt Ion:248 Resp: 9096

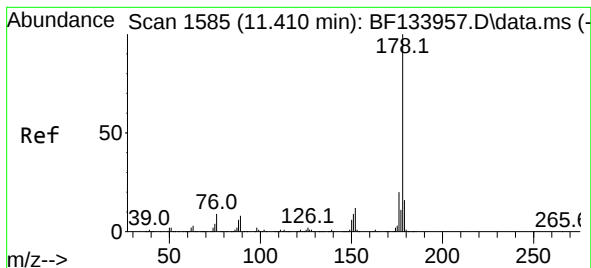
Ion Ratio Lower Upper

248 100

250 186.9 76.2 114.4#

141 508.2 59.0 88.4#





#71

Phenanthrene

Concen: 17.245 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

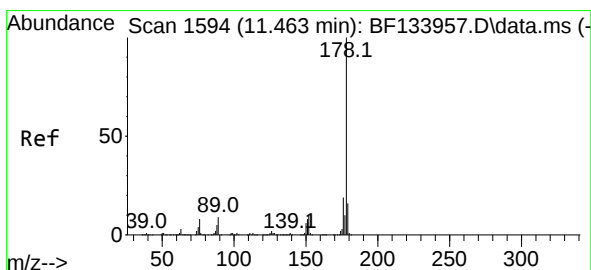
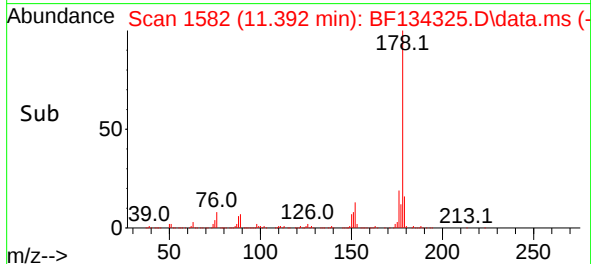
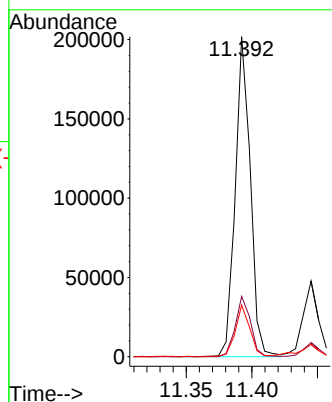
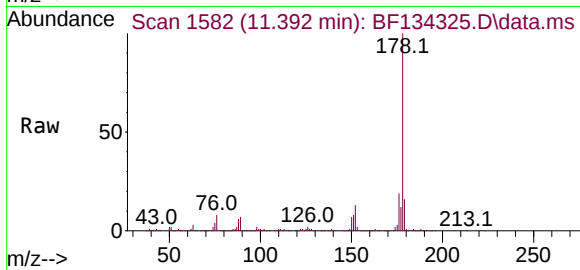
Tgt Ion:178 Resp: 161690

Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

179 16.2 12.4 18.6



#72

Anthracene

Concen: 3.763 ng

RT: 11.445 min Scan# 1591

Delta R.T. -0.012 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

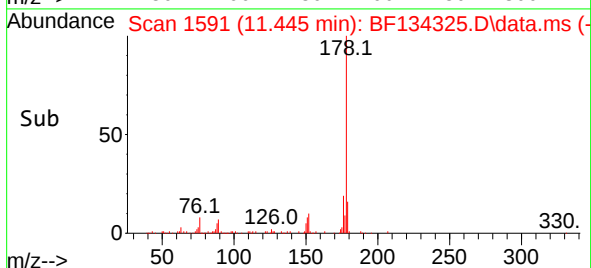
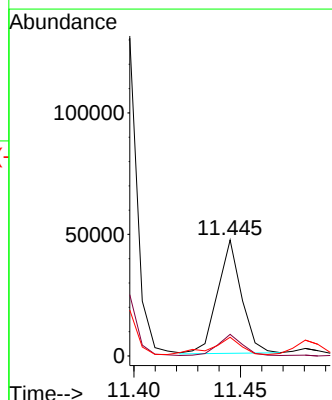
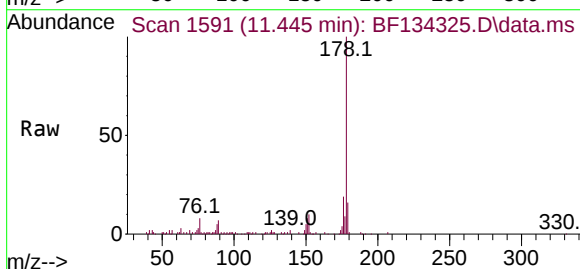
Tgt Ion:178 Resp: 36692

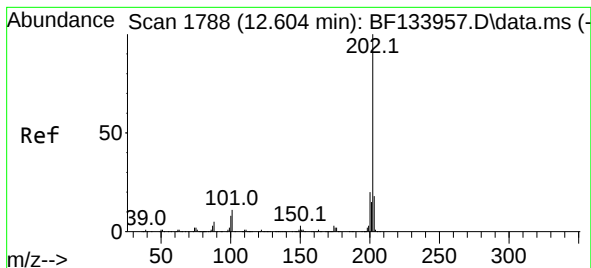
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 16.2 12.4 18.6





#75

Fluoranthene

Concen: 41.808 ng

RT: 12.592 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

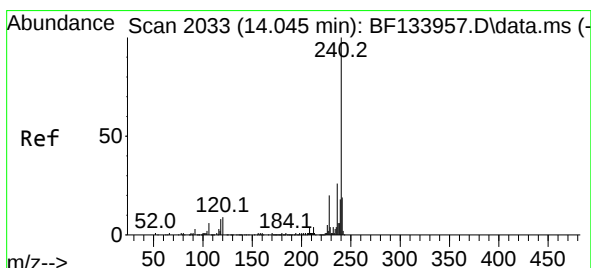
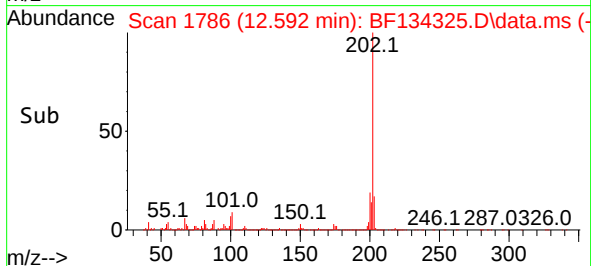
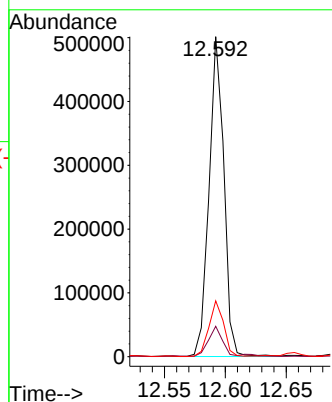
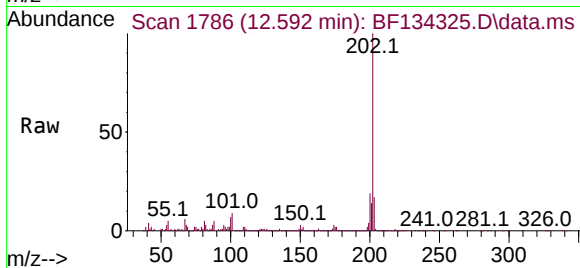
Tgt Ion:202 Resp: 423771

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.0

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

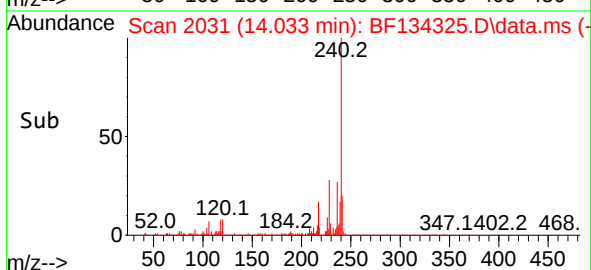
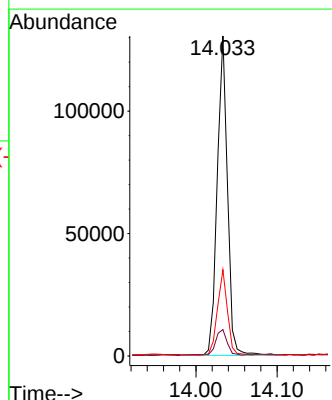
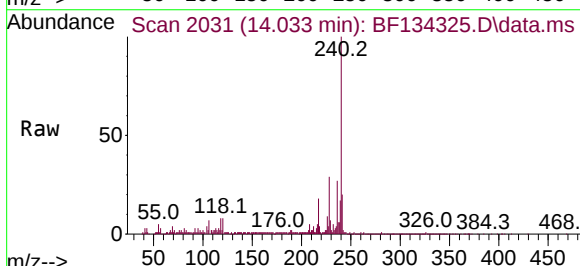
Tgt Ion:240 Resp: 114667

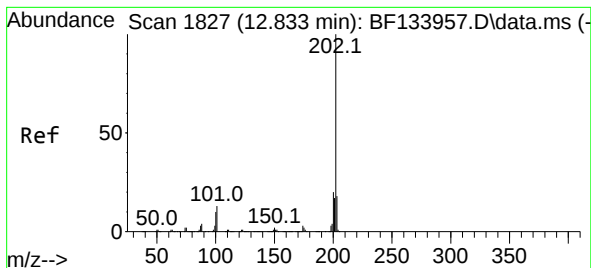
Ion Ratio Lower Upper

240 100

120 8.3 7.4 11.0

236 26.9 21.0 31.6





#78

Pyrene

Concen: 34.828 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

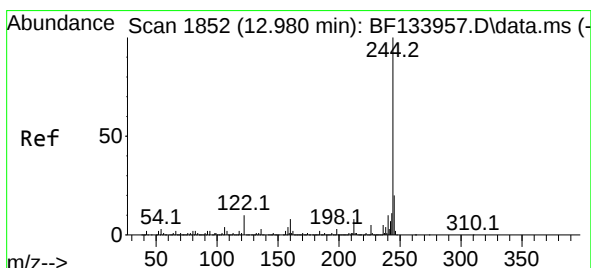
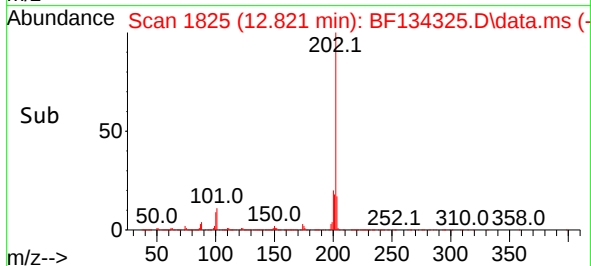
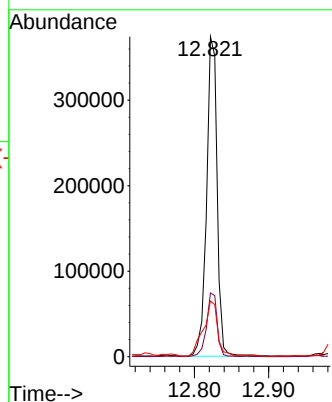
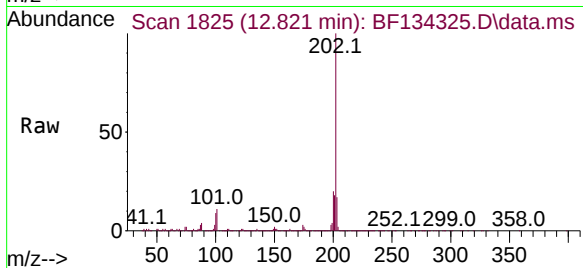
Tgt Ion:202 Resp: 371666

Ion Ratio Lower Upper

202 100

200 19.9 16.1 24.1

203 17.4 14.3 21.5



#79

Terphenyl-d14

Concen: 90.267 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

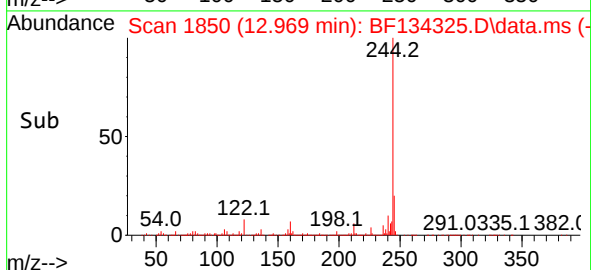
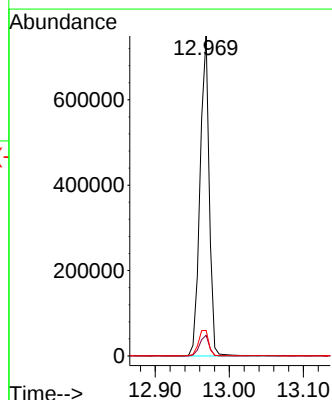
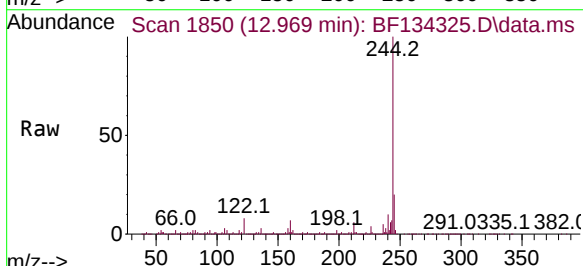
Tgt Ion:244 Resp: 643132

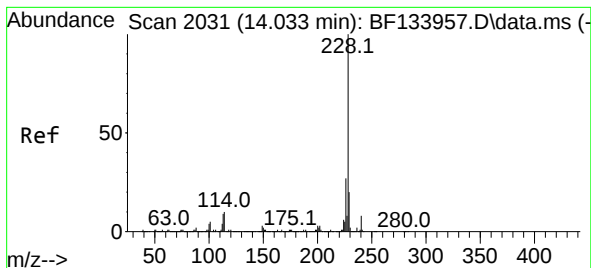
Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

122 8.0 8.3 12.5#





#81

Benzo(a)anthracene

Concen: 22.214 ng

RT: 14.021 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

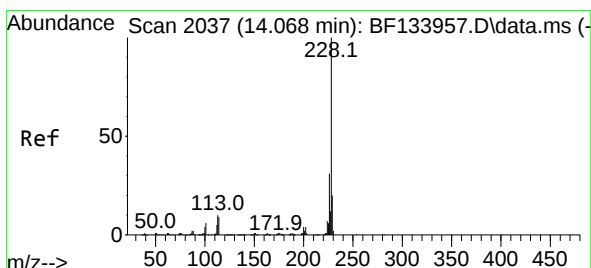
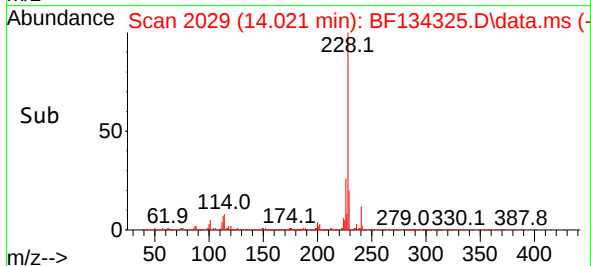
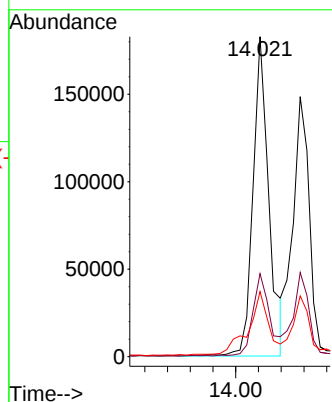
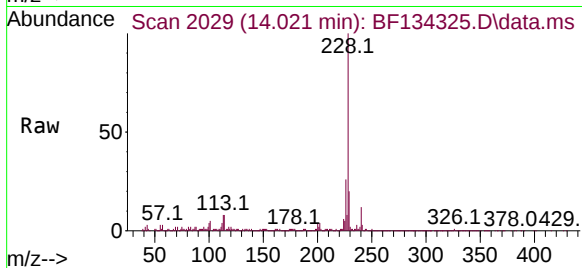
Tgt Ion:228 Resp: 176652

Ion Ratio Lower Upper

228 100

226 26.0 22.0 33.0

229 20.4 16.3 24.5



#83

Chrysene

Concen: 19.626 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

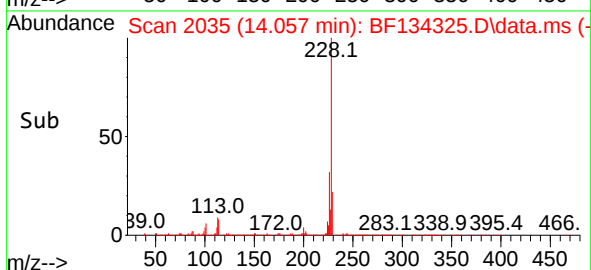
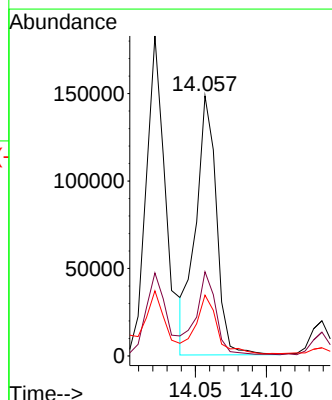
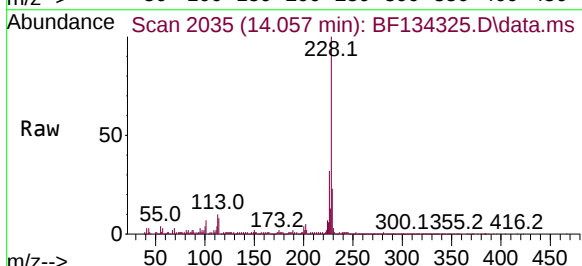
Tgt Ion:228 Resp: 151168

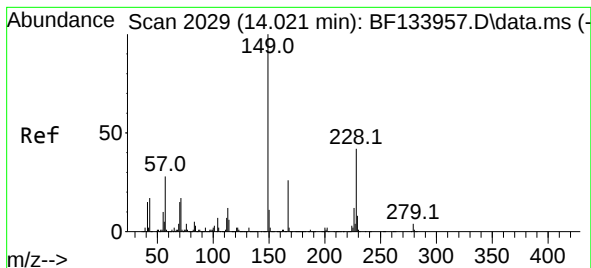
Ion Ratio Lower Upper

228 100

226 32.4 24.4 36.6

229 23.4 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.108 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

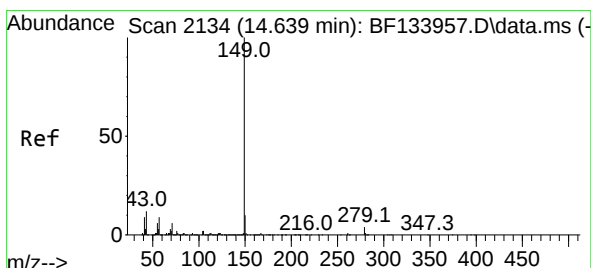
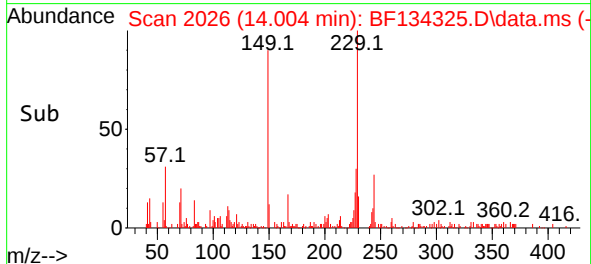
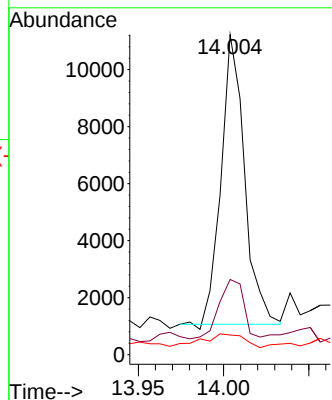
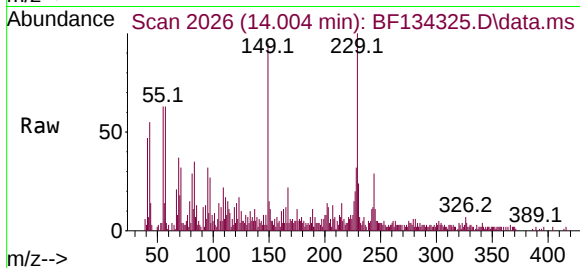
Tgt Ion:149 Resp: 9694

Ion Ratio Lower Upper

149 100

167 23.5 21.0 31.4

279 6.2 3.3 4.9#



#85

Di-n-octyl phthalate

Concen: 3.751 ng

RT: 14.627 min Scan# 2132

Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

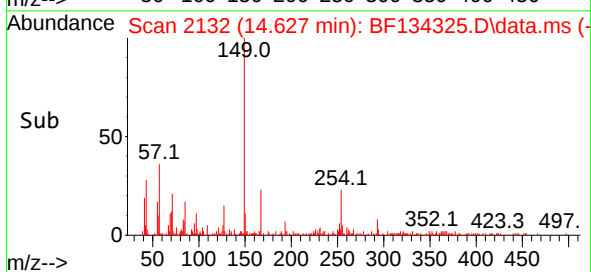
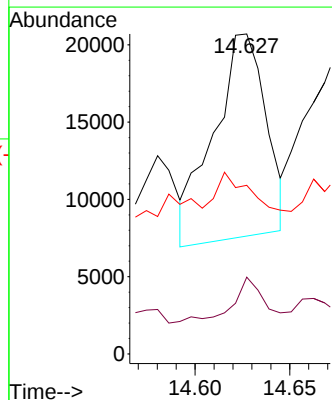
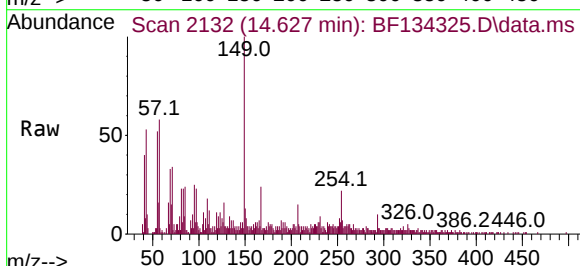
Tgt Ion:149 Resp: 25349

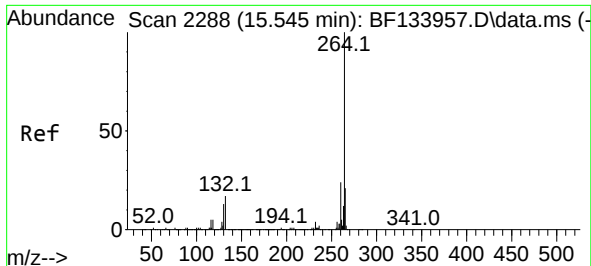
Ion Ratio Lower Upper

149 100

167 23.1 1.3 1.9#

43 28.6 9.0 13.4#

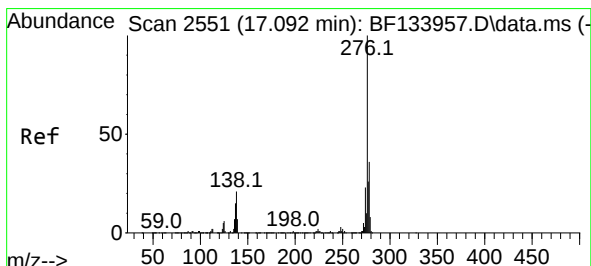
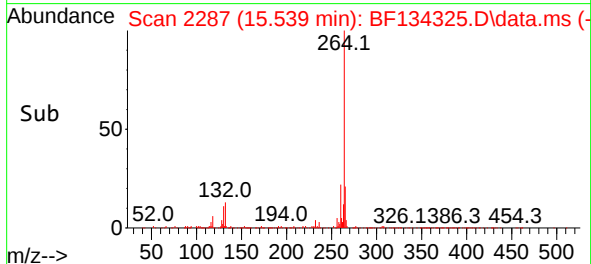
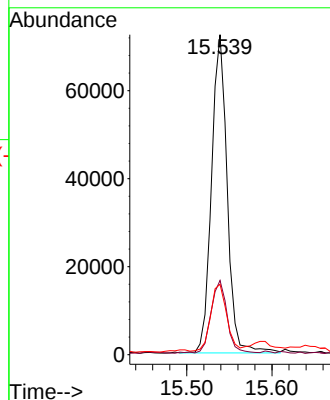
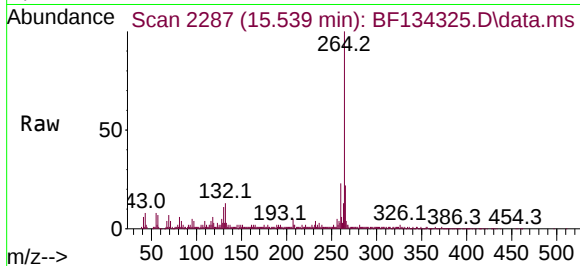




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

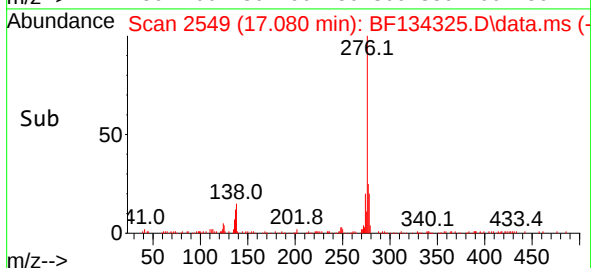
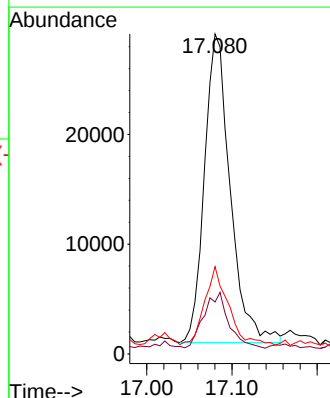
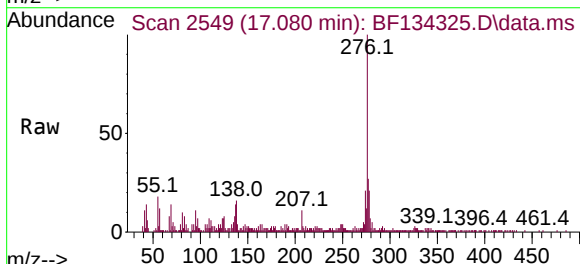
Instrument :
BNA_F
ClientSampleId :
VNJ-214

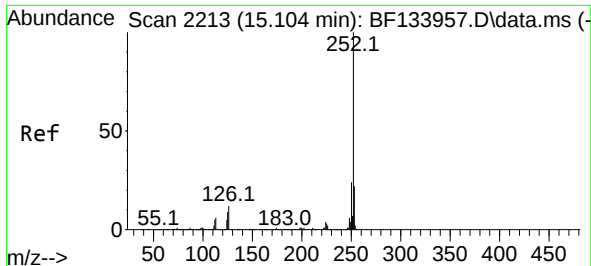
Tgt Ion:264 Resp: 92770
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 22.0 16.6 25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.189 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.018 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Tgt Ion:276 Resp: 59152
Ion Ratio Lower Upper
276 100
138 19.0 18.7 28.1
277 23.2 19.9 29.9

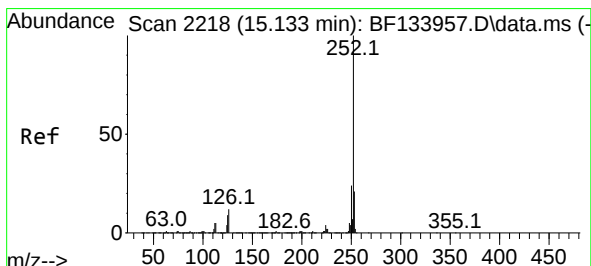
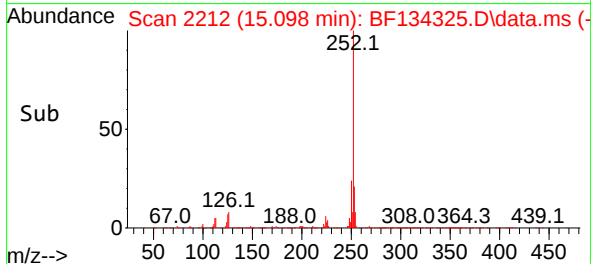
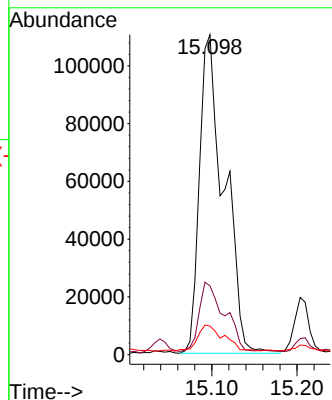
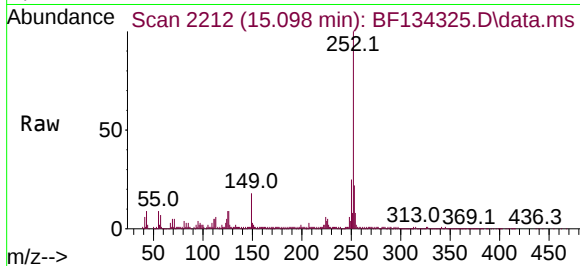




#88
Benzo(b)fluoranthene
Concen: 40.760 ng
RT: 15.098 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

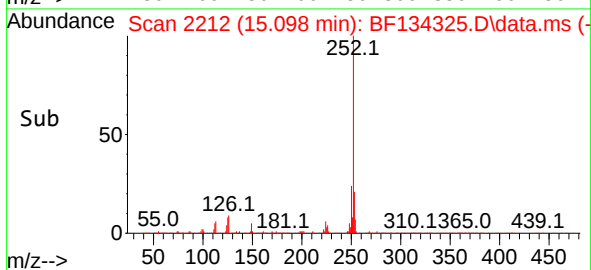
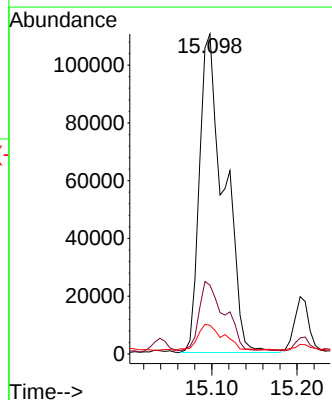
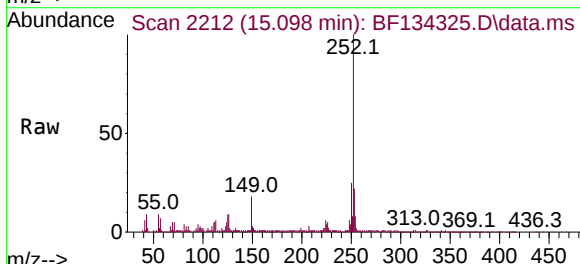
Instrument :
BNA_F
ClientSampleId :
VNJ-214

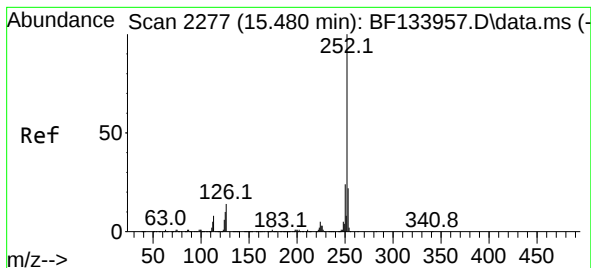
Tgt Ion:252 Resp: 222343
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 8.9 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 40.033 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.035 min
Lab File: BF134325.D
Acq: 17 Jul 2023 20:22

Tgt Ion:252 Resp: 222343
Ion Ratio Lower Upper
252 100
253 21.5 16.9 25.3
125 8.9 7.4 11.2





#90

Benzo(a)pyrene

Concen: 19.939 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214

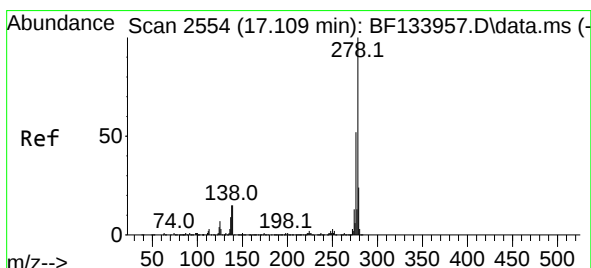
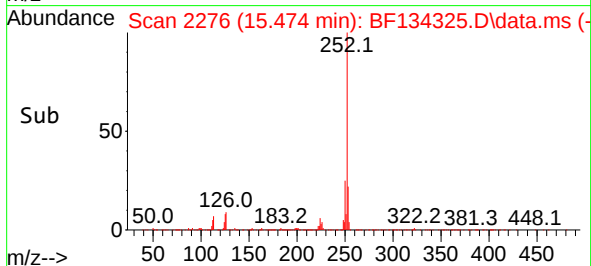
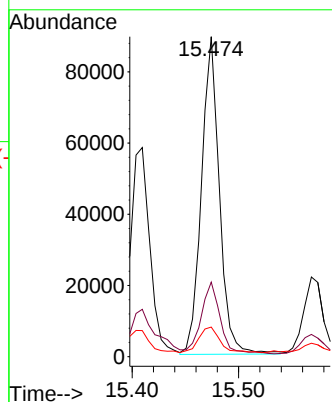
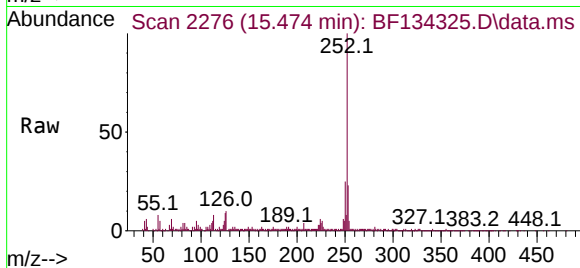
Tgt Ion:252 Resp: 105178

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 9.2 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 2.823 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.018 min

Lab File: BF134325.D

Acq: 17 Jul 2023 20:22

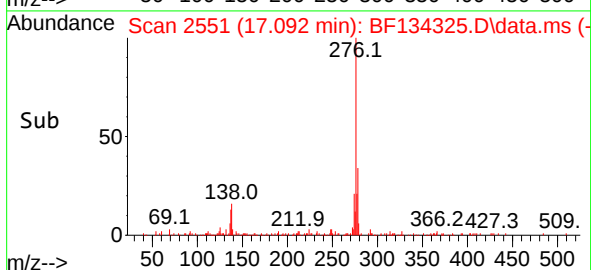
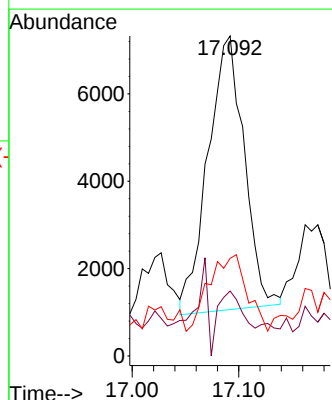
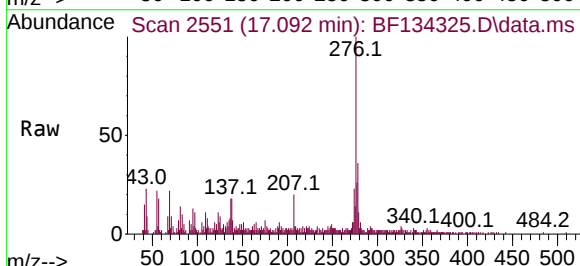
Tgt Ion:278 Resp: 14844

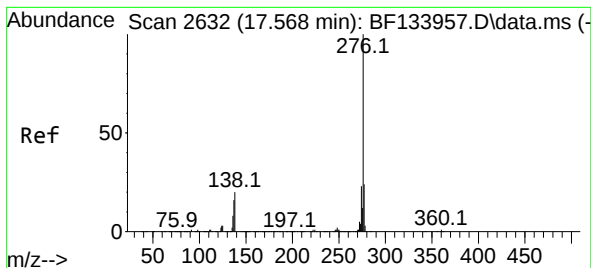
Ion Ratio Lower Upper

278 100

139 20.3 12.2 18.4#

279 30.5 19.4 29.2#





#92

Benzo(g,h,i)perylene

Concen: 10.589 ng

RT: 17.551 min Scan# 2

Delta R.T. -0.018 min

Lab File: BF134325.D

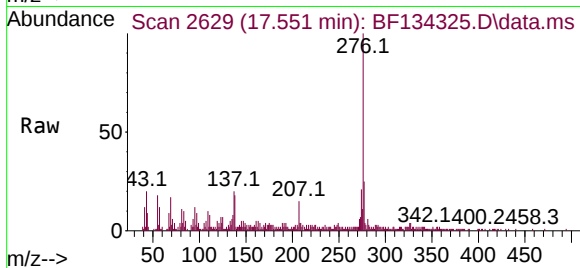
Acq: 17 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

VNJ-214



Tgt Ion:276 Resp: 57414

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.6

138 17.5 16.2 24.2

