

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140478.D
 Acq On : 19 Nov 2024 17:17
 Operator : RC/JU
 Sample : P4857-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226

Quant Time: Nov 19 17:48:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	148219	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	533496	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	257888	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	374999	20.000	ng	0.00
76) Chrysene-d12	14.045	240	248092	20.000	ng	0.00
86) Perylene-d12	15.533	264	197088	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	745922	85.925	ng	0.01
7) Phenol-d6	6.510	99	972663	82.699	ng	0.00
23) Nitrobenzene-d5	7.434	82	628355	61.367	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	188512	73.508	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1083099	67.515	ng	0.00
79) Terphenyl-d14	12.980	244	820434	57.402	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	83296	11.726	ng	# 75
25) Isophorone	7.434	82	619196	34.121	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	34510	9.005	ng	# 23
52) Acenaphthene	9.939	154	183696	12.578	ng	99
55) Dibenzofuran	10.110	168	205947	9.961	ng	98
56) 4-Nitrophenol	10.110	139	75392	25.683	ng	# 6
58) Fluorene	10.457	166	307533	18.829	ng	98
63) Azobenzene	10.616	77	55446	3.265	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	12116	3.232	ng	# 1
71) Phenanthrene	11.422	178	1366655	77.581	ng	100
72) Anthracene	11.475	178	183257	10.615	ng	98
75) Fluoranthene	12.616	202	1171016	59.252	ng	99
78) Pyrene	12.845	202	764056	36.005	ng	99
81) Benzo(a)anthracene	14.033	228	243156	14.913	ng	98
83) Chrysene	14.069	228	185746	12.485	ng	98
84) Bis(2-ethylhexyl)phtha...	14.016	149	25277	2.323	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.027	276	42569	3.497	ng	97
88) Benzo(b)fluoranthene	15.098	252	216814	16.817	ng	97
89) Benzo(k)fluoranthene	15.098	252	216814	20.586	ng	# 96
90) Benzo(a)pyrene	15.468	252	85356	8.525	ng	98
92) Benzo(g,h,i)perylene	17.486	276	39902	3.878	ng	95

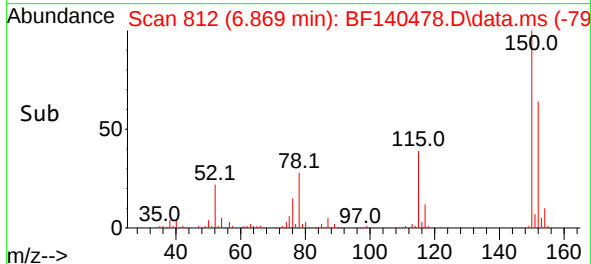
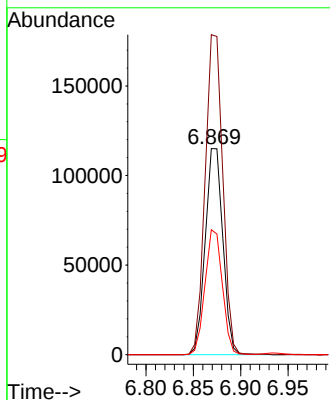
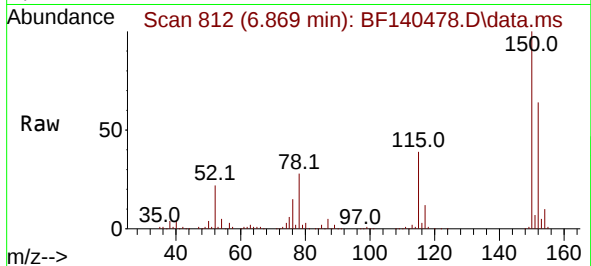
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

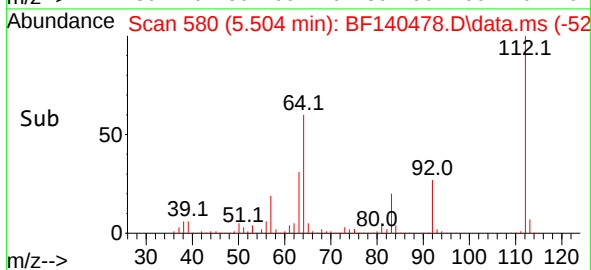
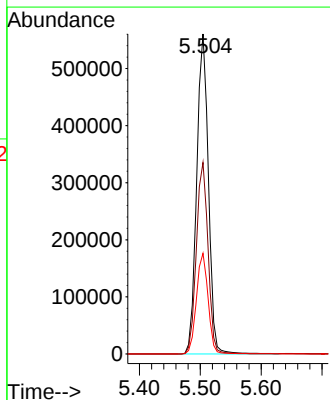
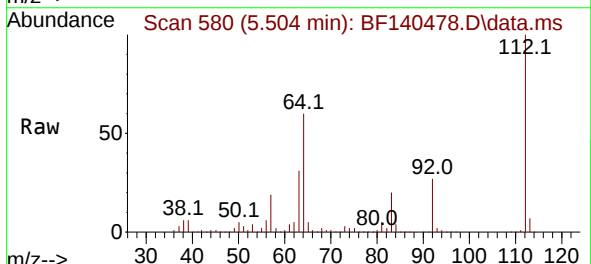
Instrument :
BNA_F
ClientSampleId :
VNJ-226

Tgt Ion:152 Resp: 148219
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.0
115 60.6 47.4 71.2



#5
2-Fluorophenol
Concen: 85.925 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

Tgt Ion:112 Resp: 745922
Ion Ratio Lower Upper
112 100
64 59.8 49.2 73.8
63 31.4 25.6 38.4

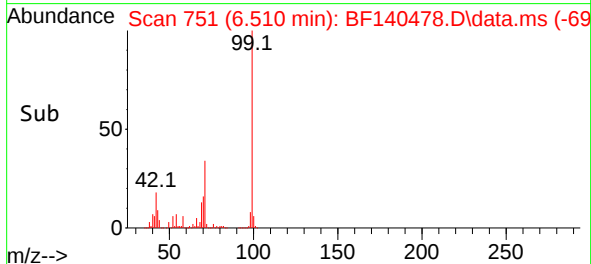
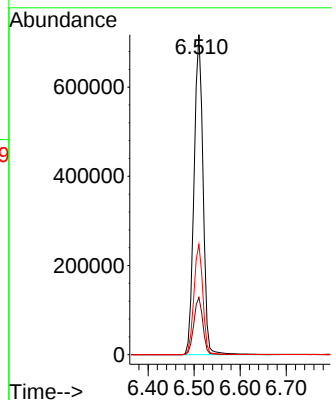
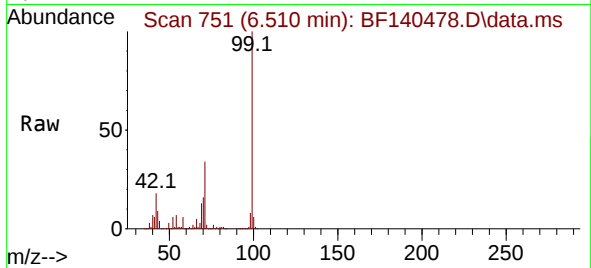




#7
Phenol-d6
Concen: 82.699 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

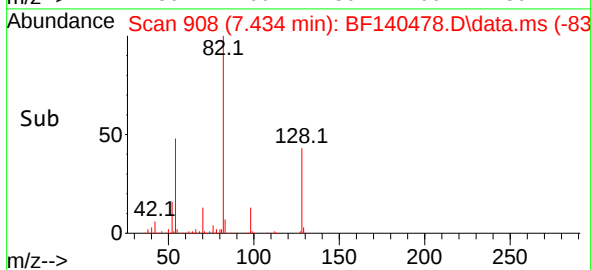
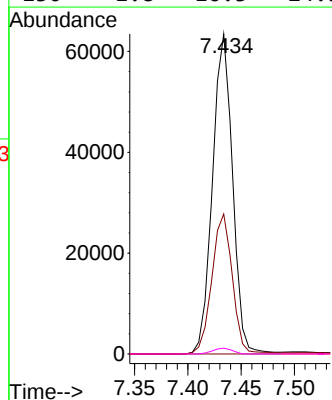
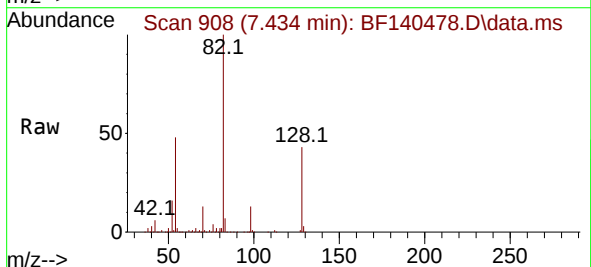
Instrument :
BNA_F
ClientSampleId :
VNJ-226

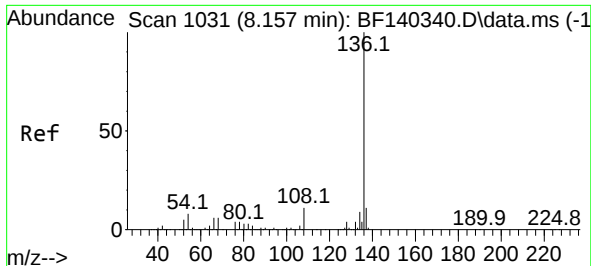
Tgt Ion: 99 Resp: 972663
Ion Ratio Lower Upper
99 100
42 17.9 15.1 22.7
71 34.5 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.726 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

Tgt Ion: 70 Resp: 83296
Ion Ratio Lower Upper
70 100
42 43.7 46.8 70.2#
101 0.0 7.5 11.3#
130 1.8 16.3 24.5#

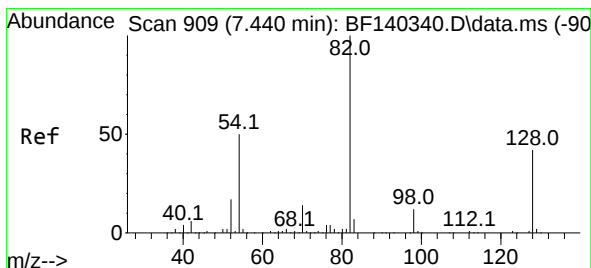
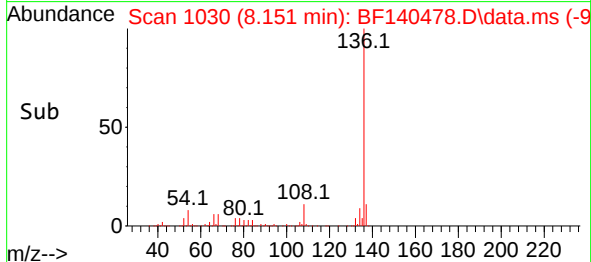
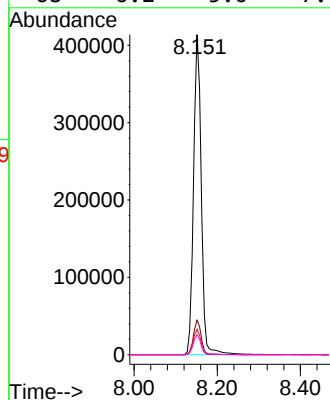
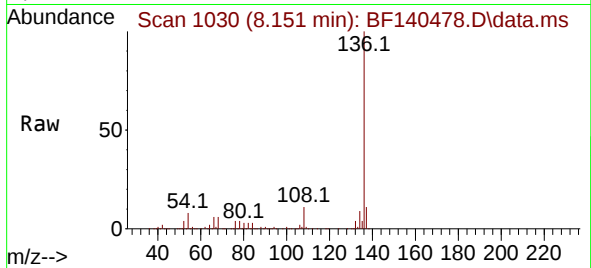




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

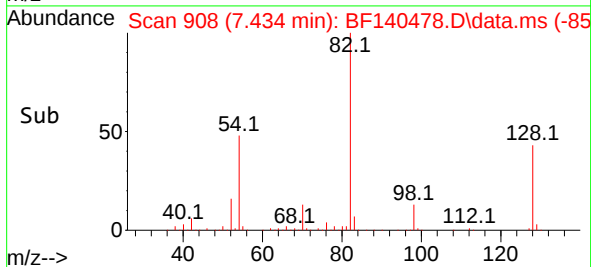
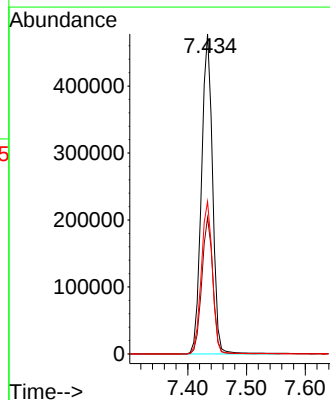
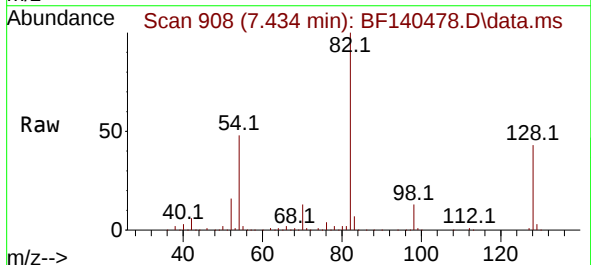
Instrument :
BNA_F
ClientSampleId :
VNJ-226

Tgt Ion:136 Resp: 533496
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.9 6.5 9.7
68 6.2 5.0 7.6



#23
Nitrobenzene-d5
Concen: 61.367 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

Tgt Ion: 82 Resp: 628355
Ion Ratio Lower Upper
82 100
128 42.7 33.3 49.9
54 47.6 39.8 59.8

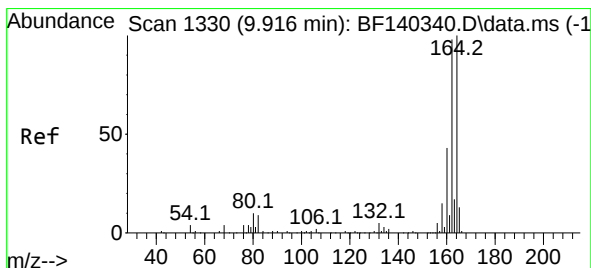
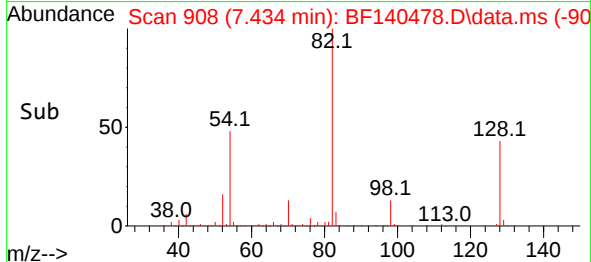
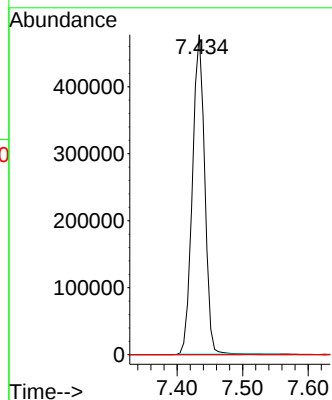
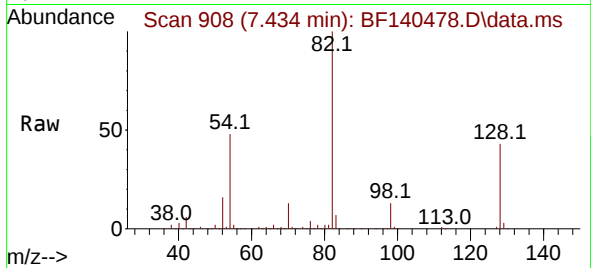




#25
Isophorone
Concen: 34.121 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

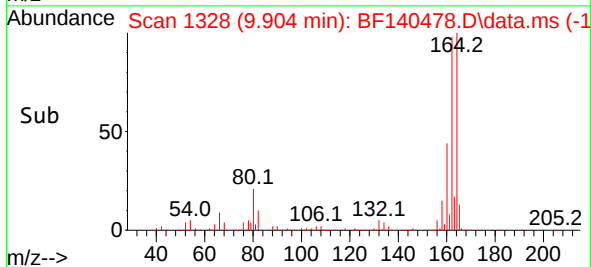
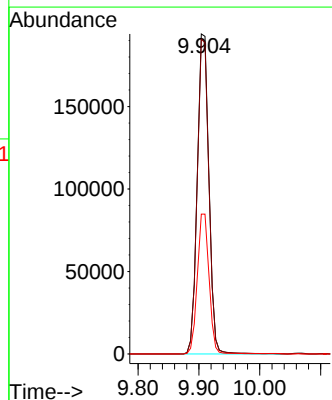
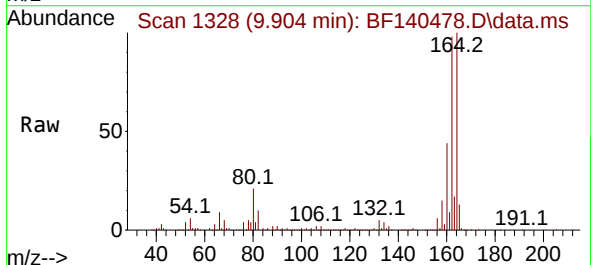
Instrument :
BNA_F
ClientSampleId :
VNJ-226

Tgt Ion: 82 Resp: 619196
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

Tgt Ion:164 Resp: 257888
Ion Ratio Lower Upper
164 100
162 98.4 79.8 119.8
160 43.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 73.508 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

Instrument :

BNA_F

ClientSampleId :

VNJ-226

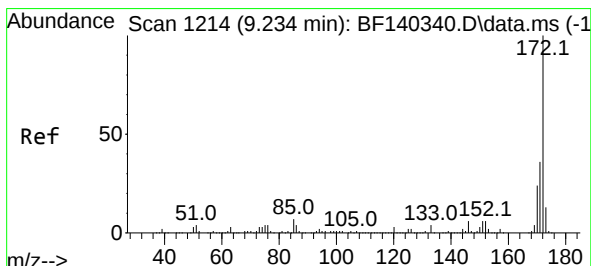
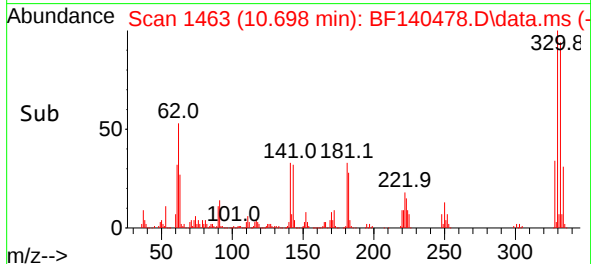
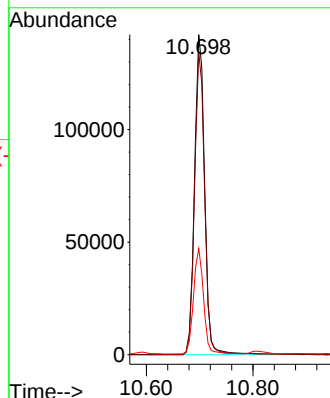
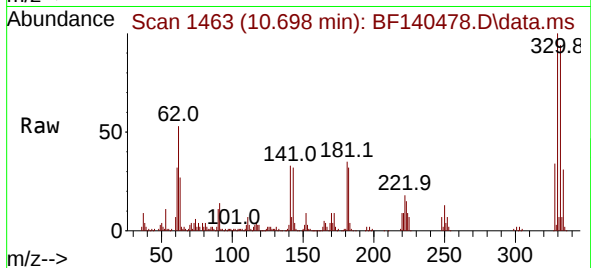
Tgt Ion:330 Resp: 188512

Ion Ratio Lower Upper

330 100

332 93.9 75.9 113.9

141 32.7 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 67.515 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

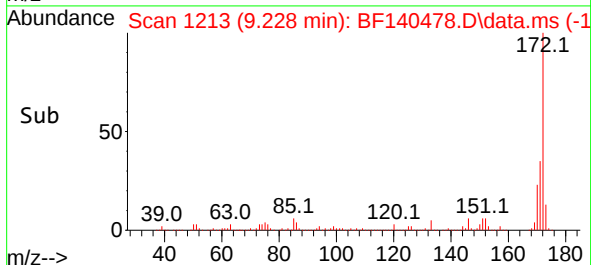
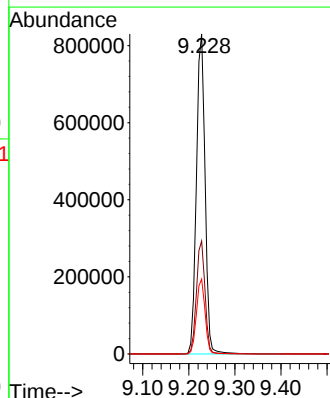
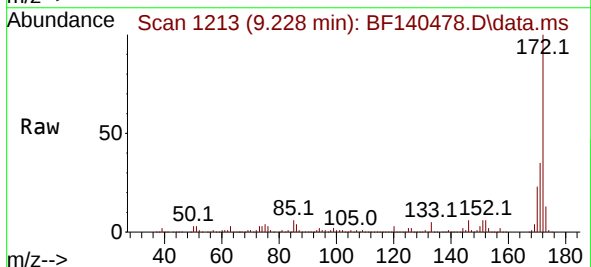
Tgt Ion:172 Resp: 1083099

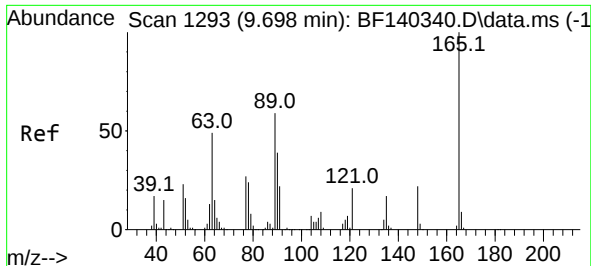
Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.4 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.005 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

Instrument :

BNA_F

ClientSampleId :

VNJ-226

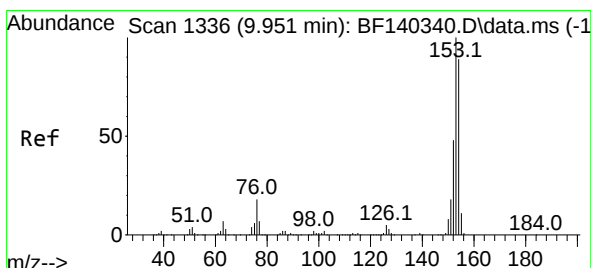
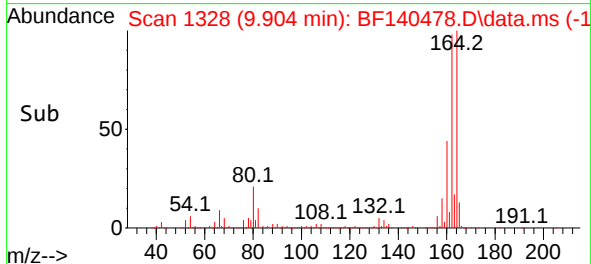
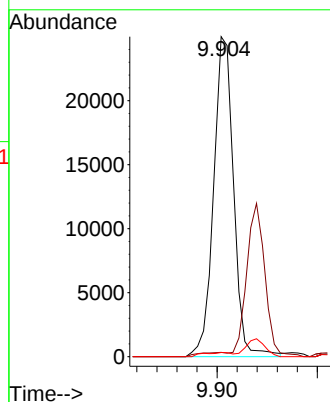
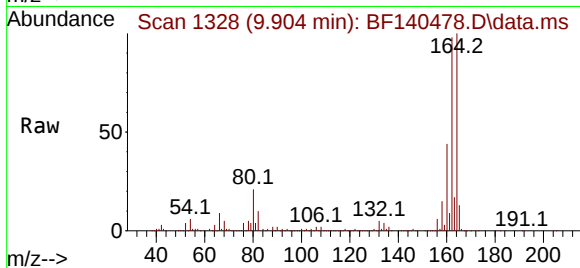
Tgt Ion:165 Resp: 34510

Ion Ratio Lower Upper

165 100

63 1.3 47.6 71.4#

89 1.3 48.1 72.1#



#52

Acenaphthene

Concen: 12.578 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.012 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

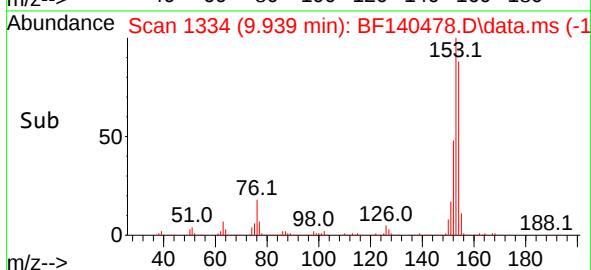
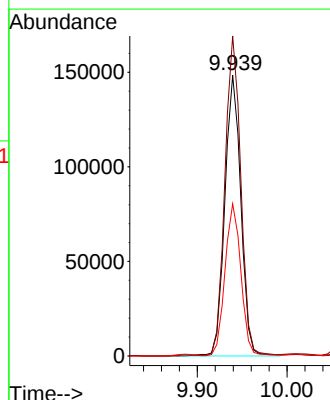
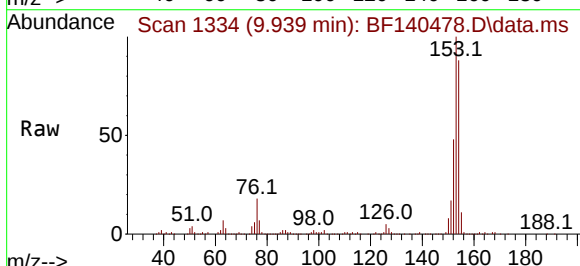
Tgt Ion:154 Resp: 183696

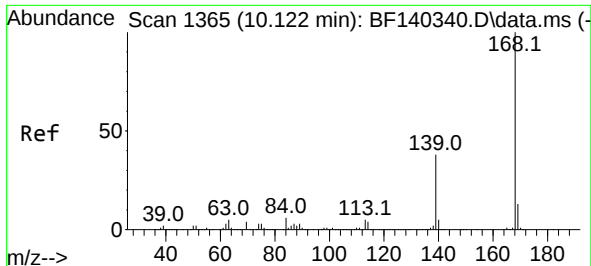
Ion Ratio Lower Upper

154 100

153 114.0 89.8 134.8

152 54.2 42.6 64.0

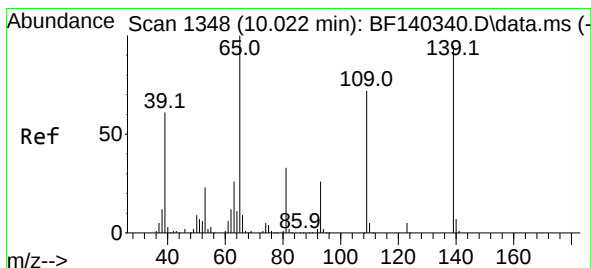
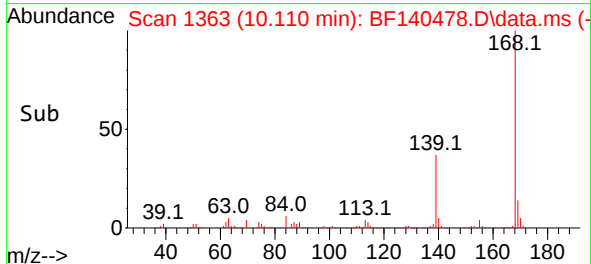
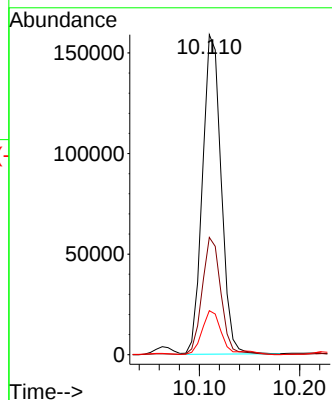
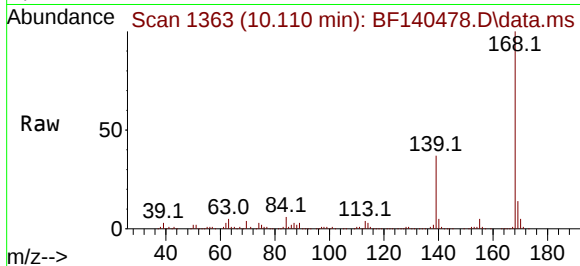




#55
Dibenzenofuran
Concen: 9.961 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

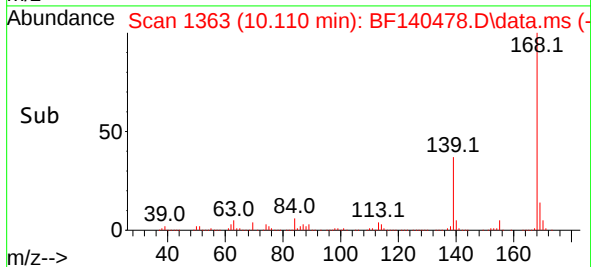
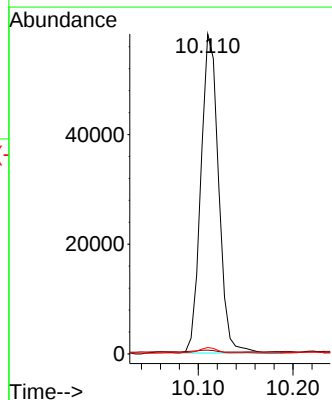
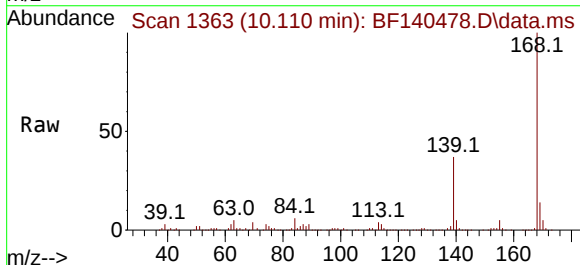
Instrument :
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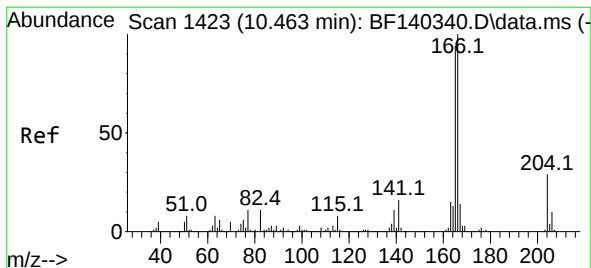
Tgt Ion:168 Resp: 205947
Ion Ratio Lower Upper
168 100
139 36.7 30.8 46.2
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 25.683 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.088 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

Tgt Ion:139 Resp: 75392
Ion Ratio Lower Upper
139 100
109 1.2 54.5 94.5#
65 2.0 84.4 124.4#





#58

Fluorene

Concen: 18.829 ng

RT: 10.457 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

Instrument :

BNA_F

ClientSampleId :

VNJ-226

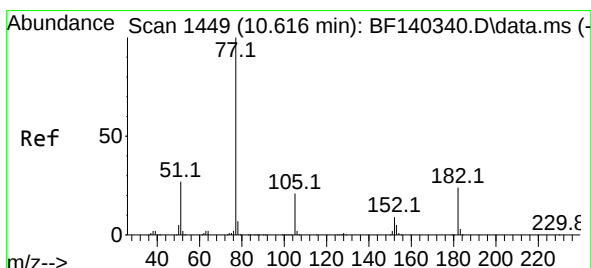
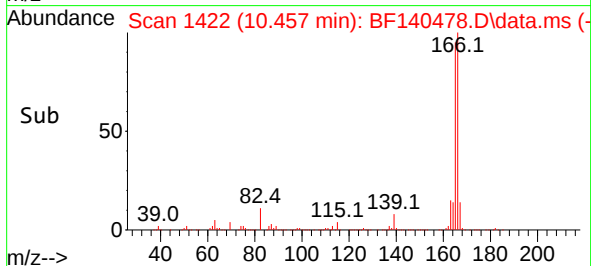
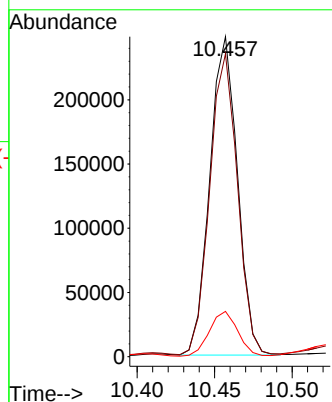
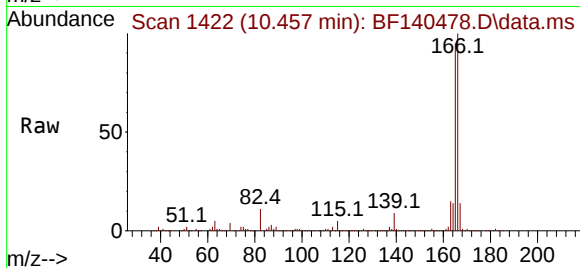
Tgt Ion:166 Resp: 307533

Ion Ratio Lower Upper

166 100

165 94.6 73.9 110.9

167 14.2 10.9 16.3



#63

Azobenzene

Concen: 3.265 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

Tgt Ion: 77 Resp: 55446

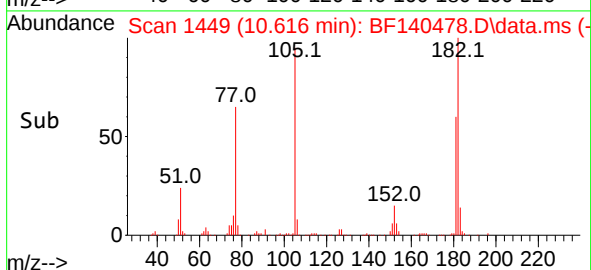
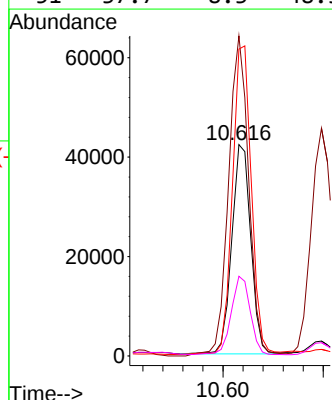
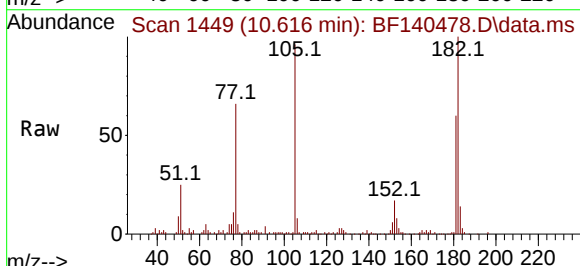
Ion Ratio Lower Upper

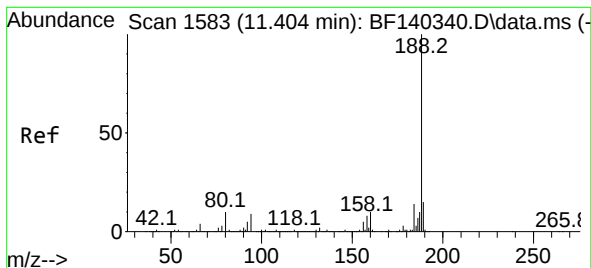
77 100

182 151.3 4.6 44.6#

105 145.2 0.9 40.9#

51 37.7 8.3 48.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

Instrument :

BNA_F

ClientSampleId :

VNJ-226

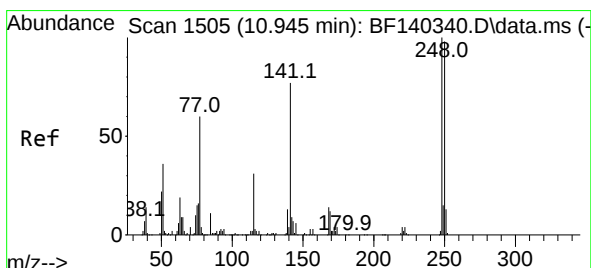
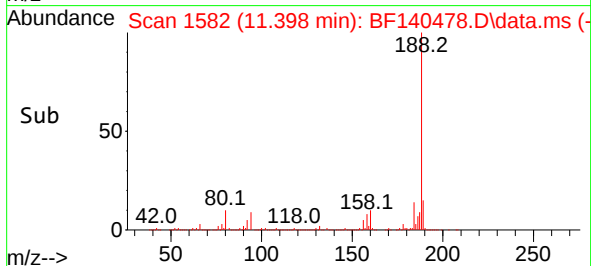
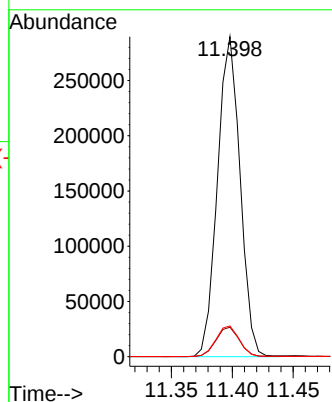
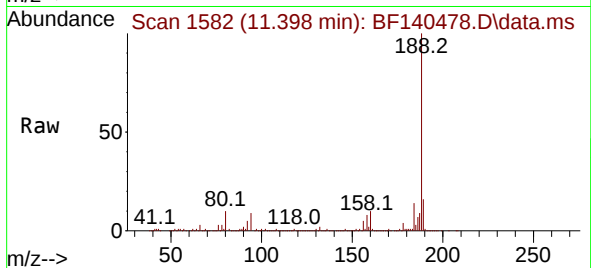
Tgt Ion:188 Resp: 374999

Ion Ratio Lower Upper

188 100

94 9.2 7.6 11.4

80 9.6 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 3.232 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

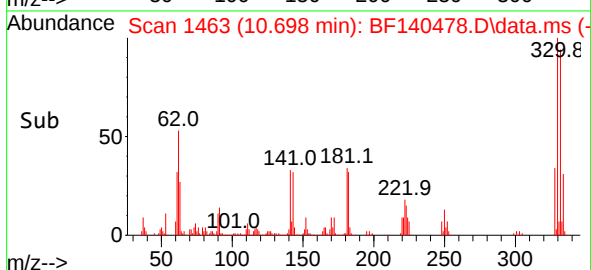
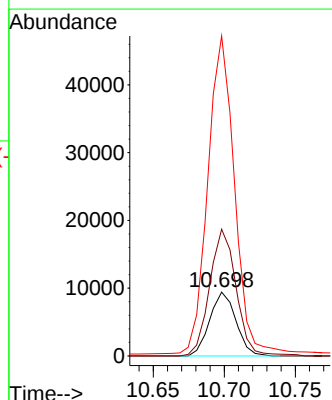
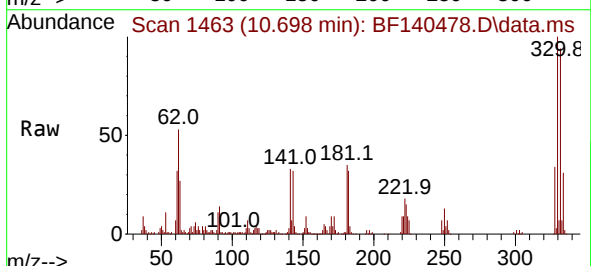
Tgt Ion:248 Resp: 12116

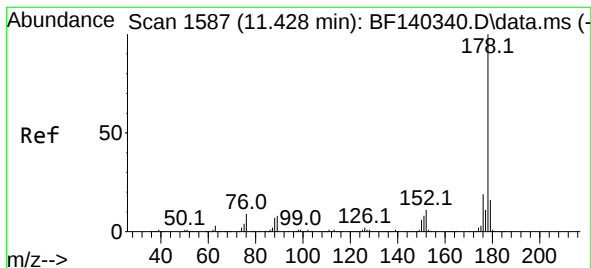
Ion Ratio Lower Upper

248 100

250 198.4 77.9 116.9#

141 500.8 61.8 92.6#





#71

Phenanthrene

Concen: 77.581 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

Instrument :

BNA_F

ClientSampleId :

VNJ-226

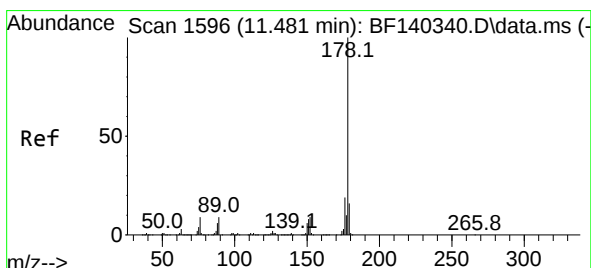
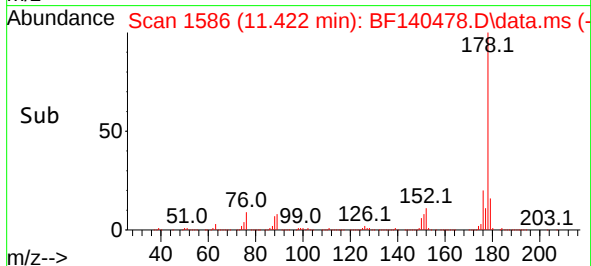
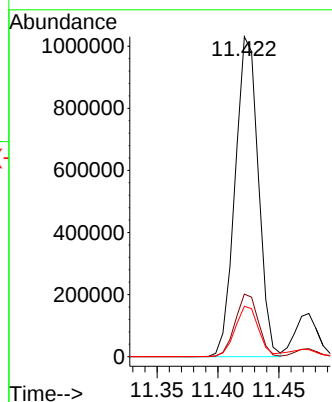
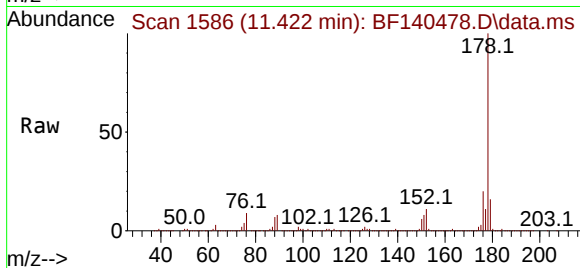
Tgt Ion:178 Resp: 1366655

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.8 12.4 18.6



#72

Anthracene

Concen: 10.615 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

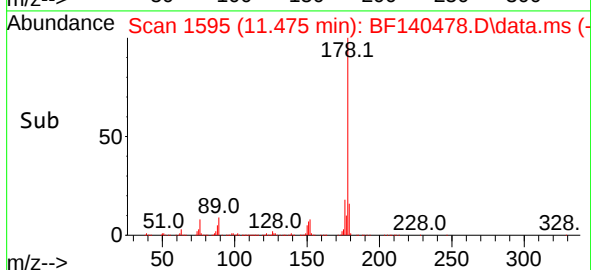
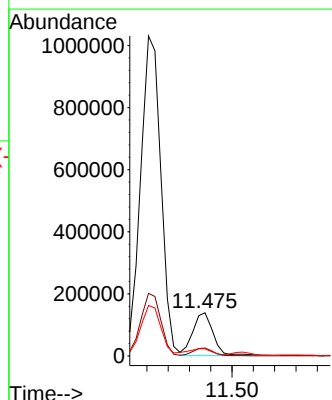
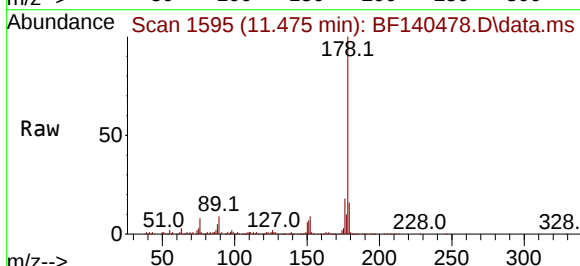
Tgt Ion:178 Resp: 183257

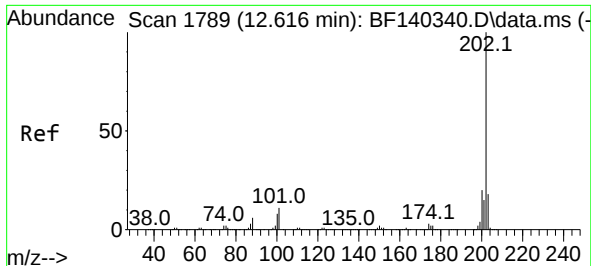
Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 16.2 12.6 18.8

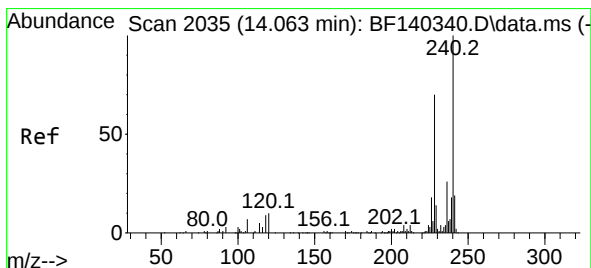
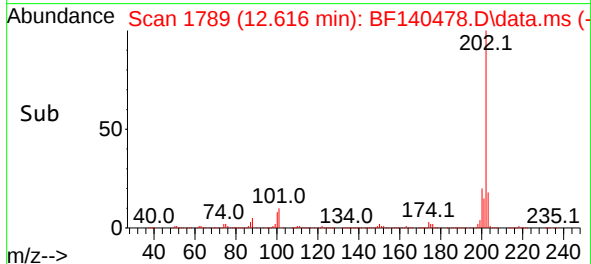
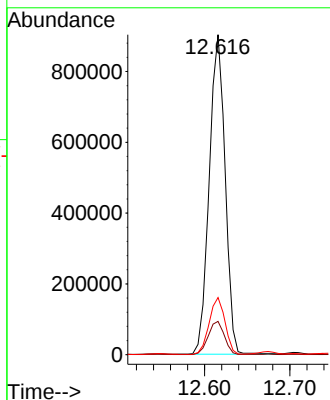
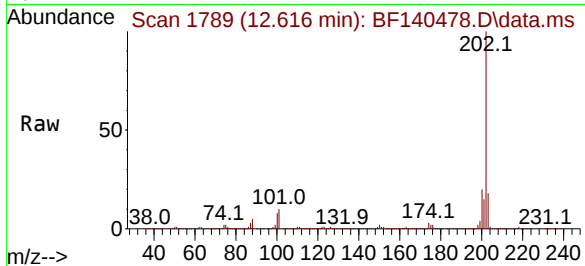




#75
Fluoranthene
Concen: 59.252 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

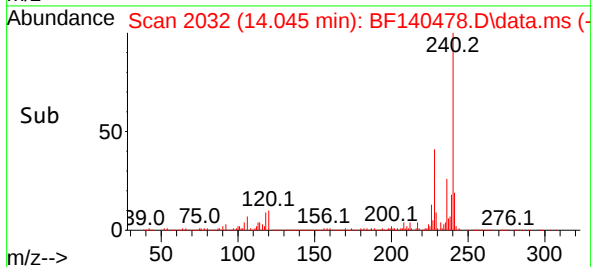
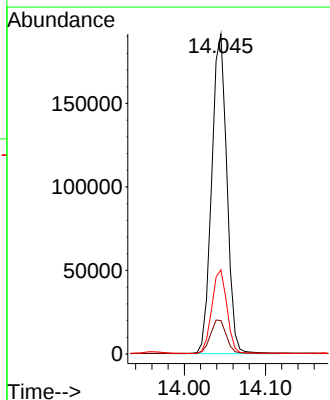
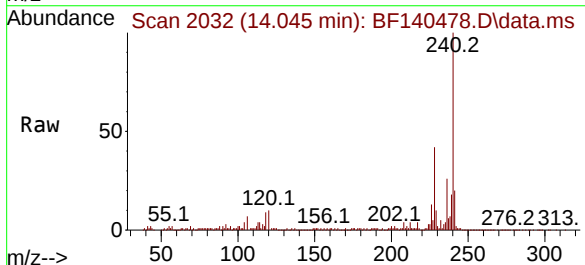
Instrument :
BNA_F
ClientSampleId :
VNJ-226

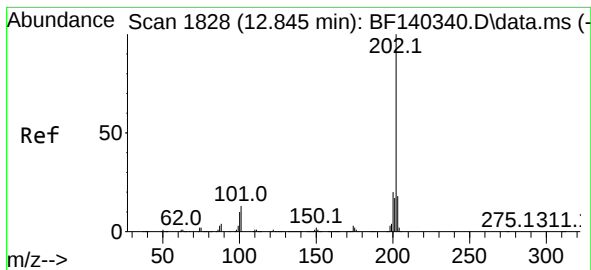
Tgt Ion:202 Resp: 1171016
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.7
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

Tgt Ion:240 Resp: 248092
Ion Ratio Lower Upper
240 100
120 10.4 8.8 13.2
236 26.3 20.9 31.3





#78

Pyrene

Concen: 36.005 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

Instrument :

BNA_F

ClientSampleId :

VNJ-226

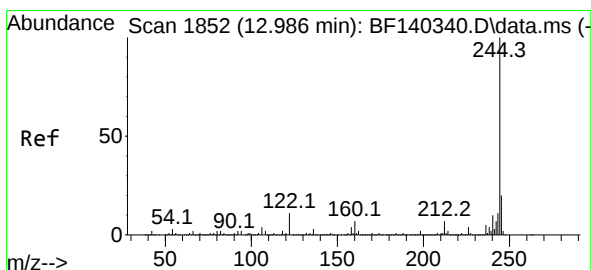
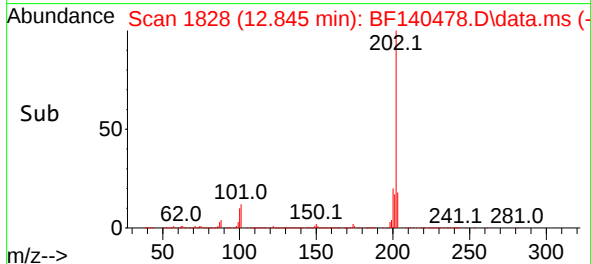
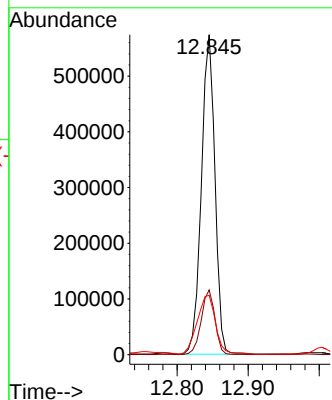
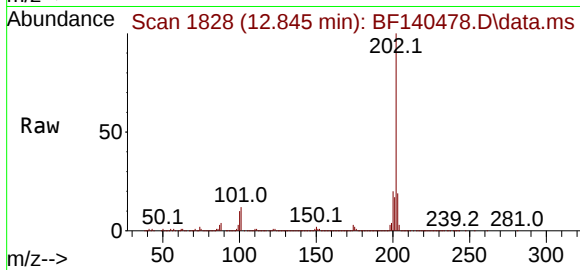
Tgt Ion:202 Resp: 764056

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

203 18.6 14.2 21.4



#79

Terphenyl-d14

Concen: 57.402 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

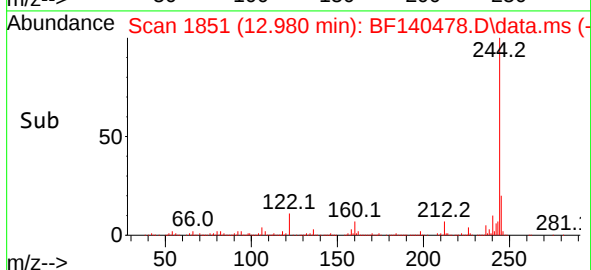
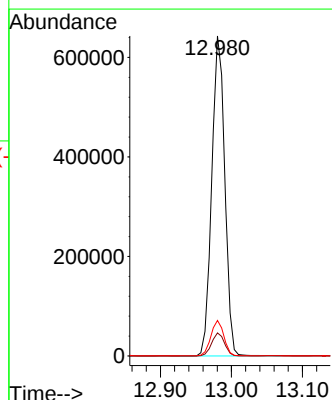
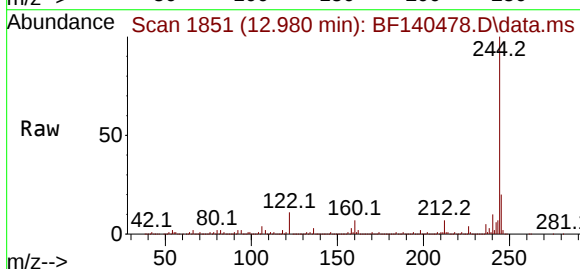
Tgt Ion:244 Resp: 820434

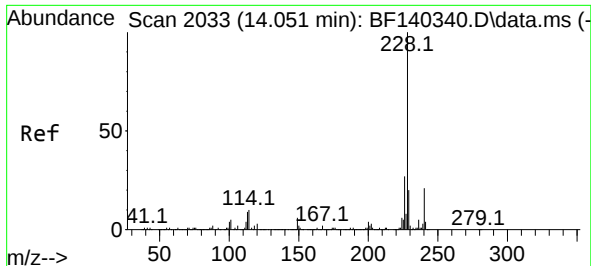
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 11.1 8.8 13.2

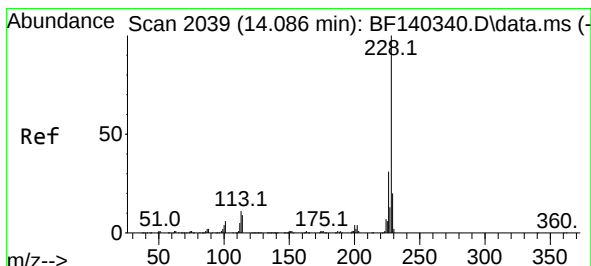
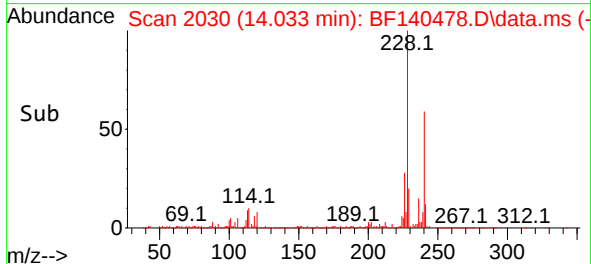
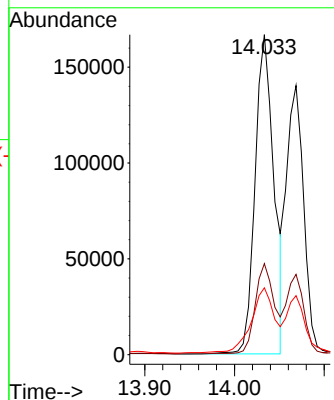
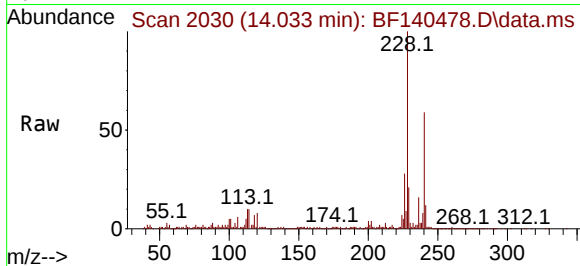




#81
Benzo(a)anthracene
Concen: 14.913 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

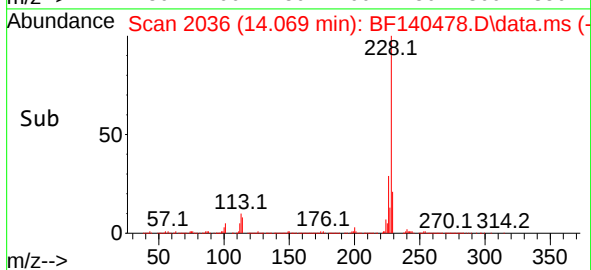
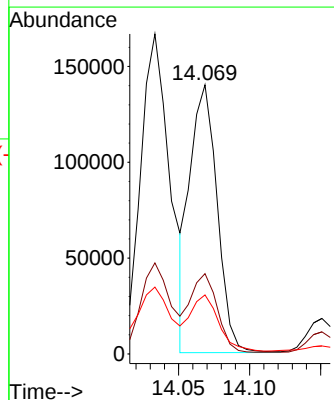
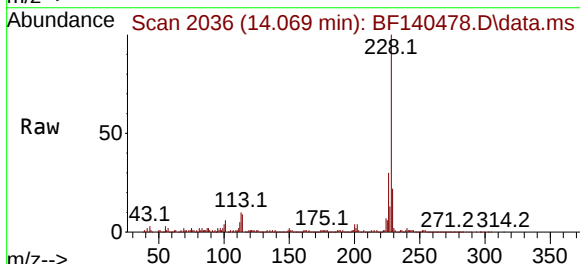
Instrument :
BNA_F
ClientSampleId :
VNJ-226

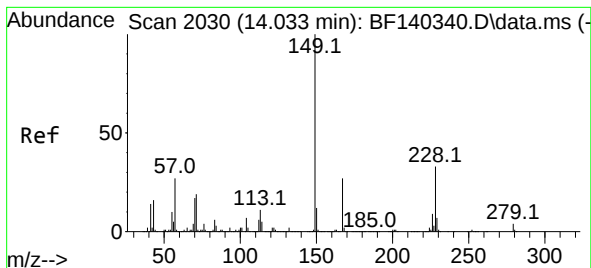
Tgt Ion:228 Resp: 243156
Ion Ratio Lower Upper
228 100
226 28.5 22.2 33.4
229 20.9 15.8 23.6



#83
Chrysene
Concen: 12.485 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

Tgt Ion:228 Resp: 185746
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 21.9 16.0 24.0

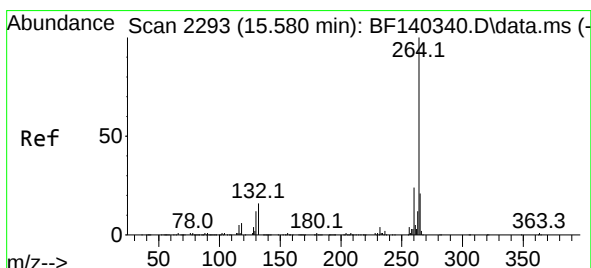
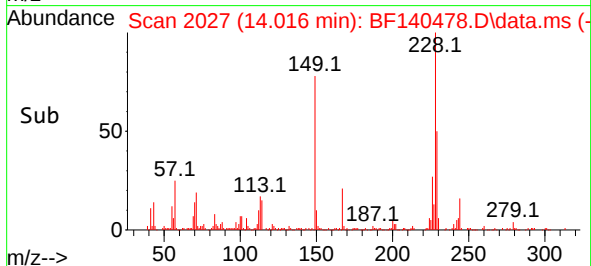
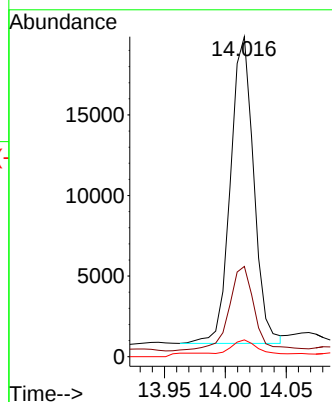
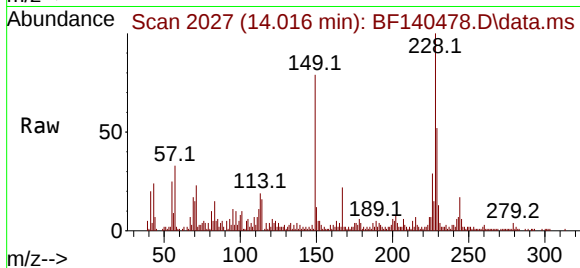




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.323 ng
RT: 14.016 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

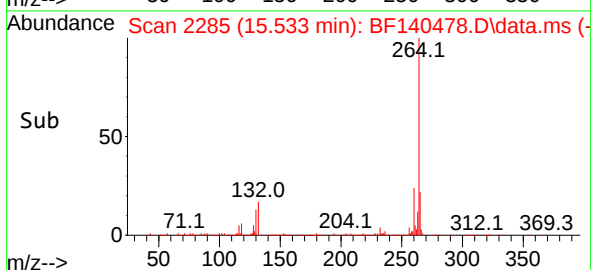
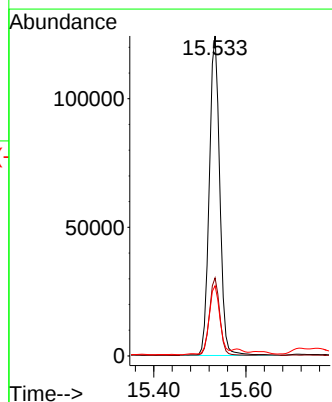
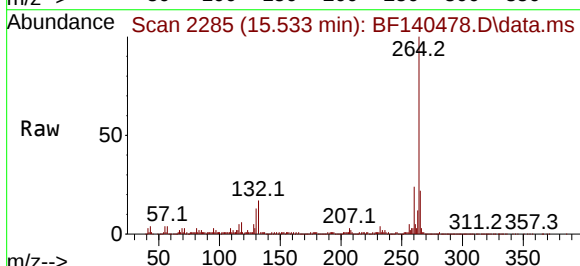
Instrument :
BNA_F
ClientSampleId :
VNJ-226

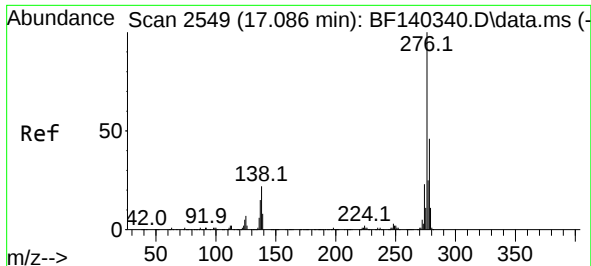
Tgt Ion:149 Resp: 25277
Ion Ratio Lower Upper
149 100
167 28.2 21.4 32.0
279 5.2 3.0 4.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.024 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

Tgt Ion:264 Resp: 197088
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.9 17.1 25.7

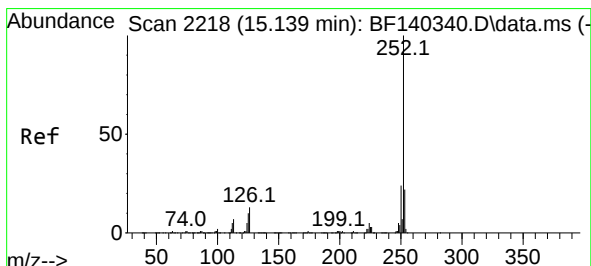
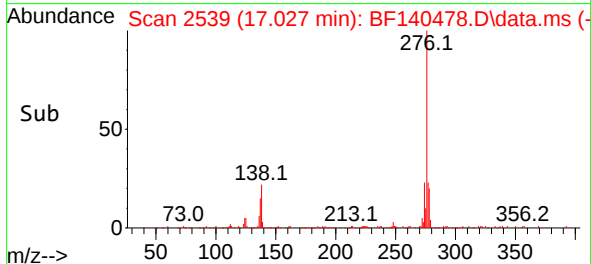
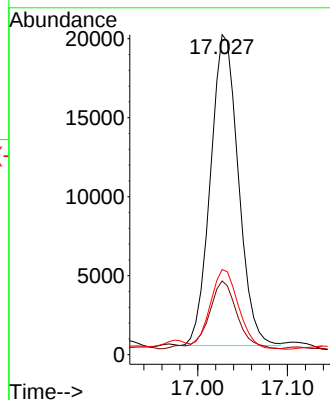
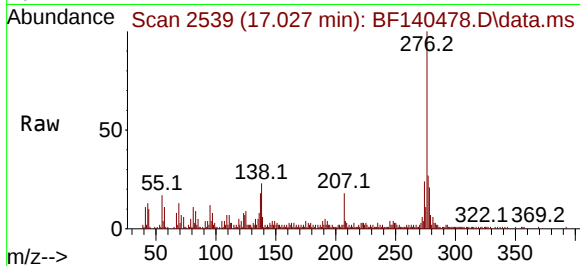




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.497 ng
RT: 17.027 min Scan# 2111
Delta R.T. -0.029 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

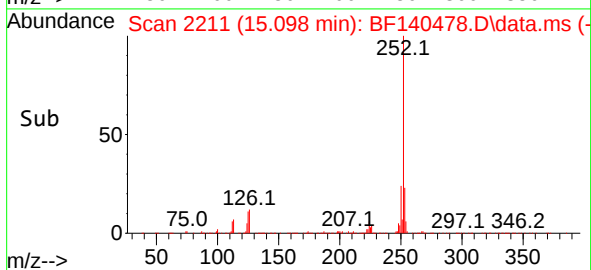
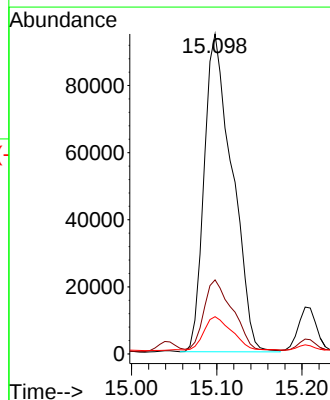
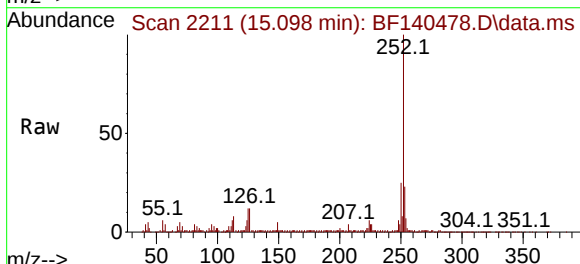
Instrument :
BNA_F
ClientSampleId :
VNJ-226

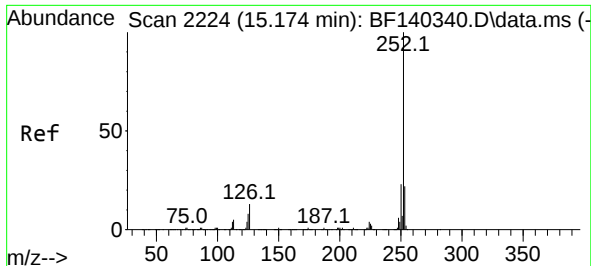
Tgt Ion:276 Resp: 42569
Ion Ratio Lower Upper
276 100
138 22.0 18.8 28.2
277 26.2 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 16.817 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.018 min
Lab File: BF140478.D
Acq: 19 Nov 2024 17:17

Tgt Ion:252 Resp: 216814
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.7 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 20.586 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

Instrument :

BNA_F

ClientSampleId :

VNJ-226

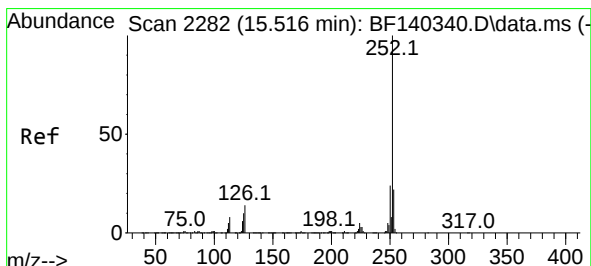
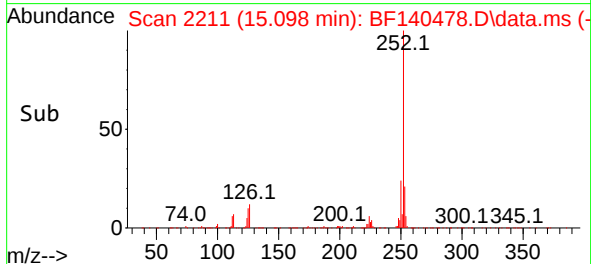
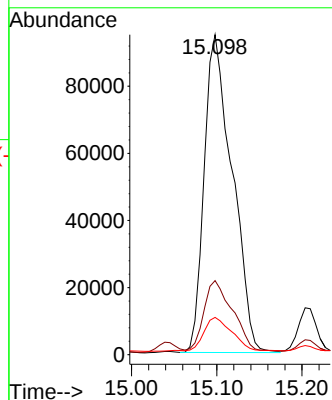
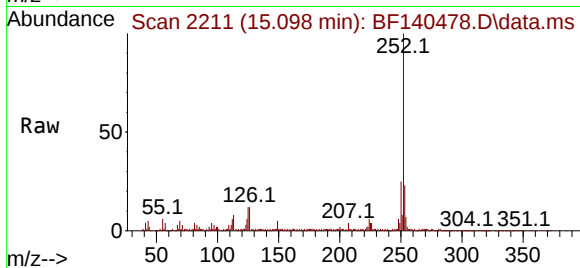
Tgt Ion:252 Resp: 216814

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 11.7 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 8.525 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.024 min

Lab File: BF140478.D

Acq: 19 Nov 2024 17:17

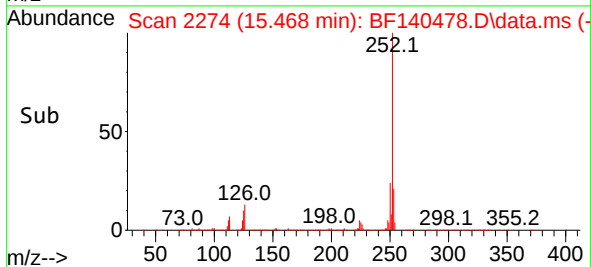
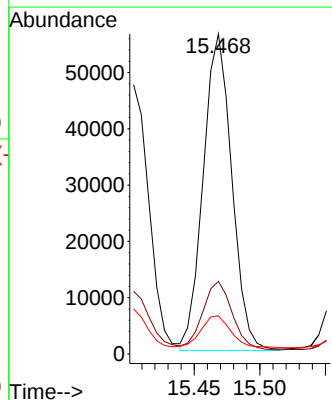
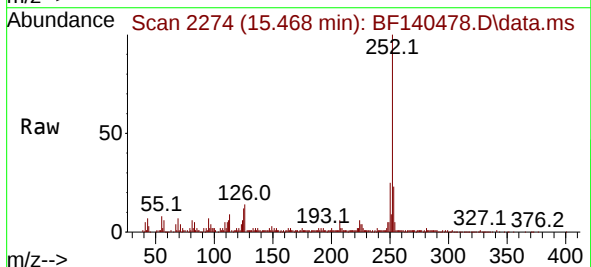
Tgt Ion:252 Resp: 85356

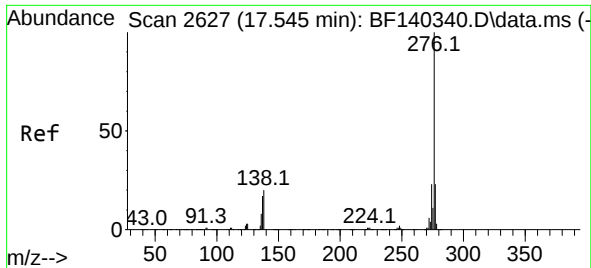
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 11.9 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.878 ng
 RT: 17.486 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF140478.D
 Acq: 19 Nov 2024 17:17

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226

Tgt Ion:	276	Resp:	39902
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.6	28.0
138	22.4	16.0	24.0

