

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140480.D
 Acq On : 19 Nov 2024 18:10
 Operator : RC/JU
 Sample : P4889-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228

Quant Time: Nov 20 00:10:28 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)

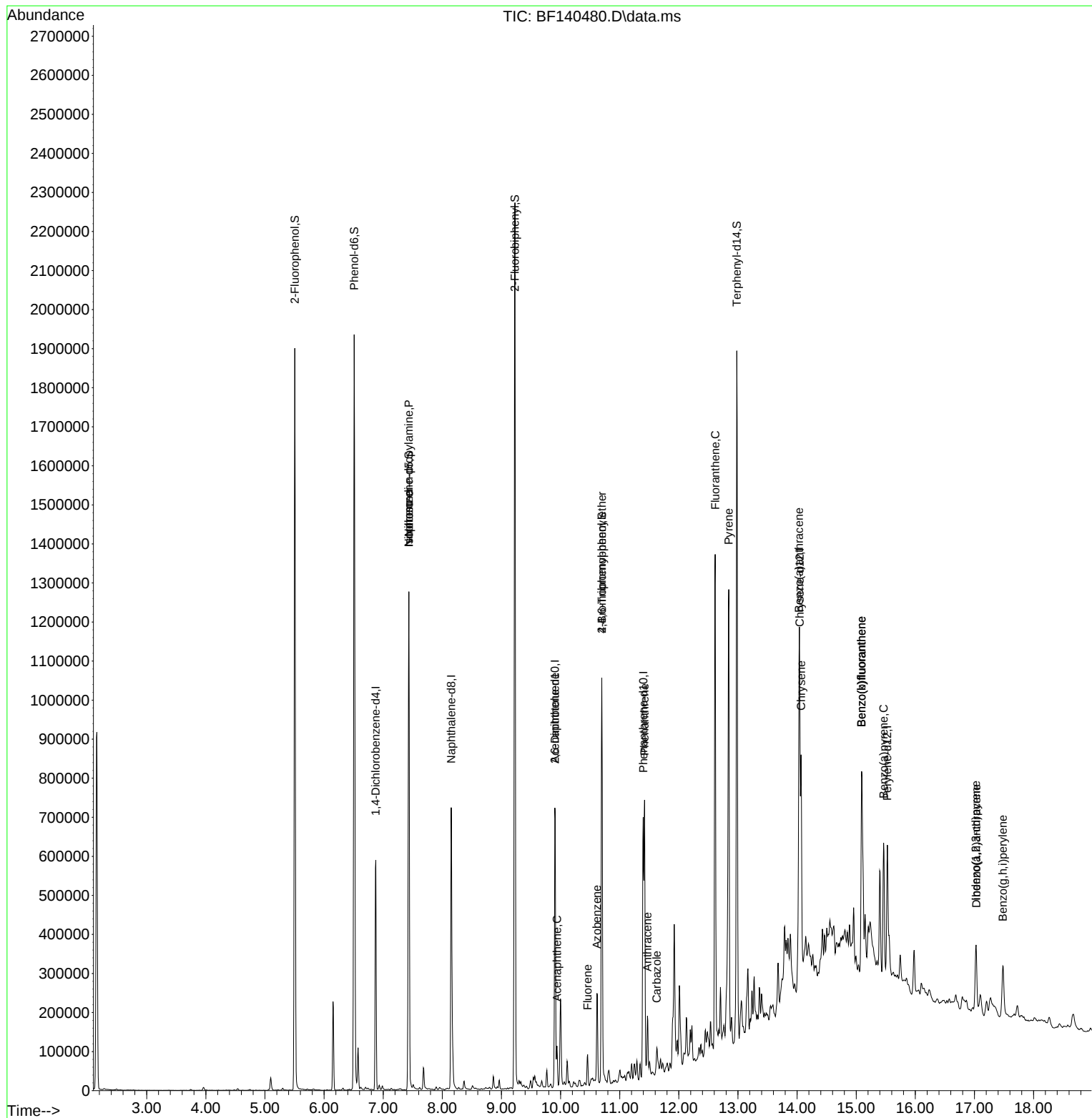
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	128086	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	463803	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	222443	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	352579	20.000	ng	0.00
76) Chrysene-d12	14.045	240	228634	20.000	ng	0.00
86) Perylene-d12	15.527	264	189698	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	711749	94.876	ng	0.01
7) Phenol-d6	6.510	99	935548	92.047	ng	0.00
23) Nitrobenzene-d5	7.434	82	601219	67.540	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	173503	78.436	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1035348	74.822	ng	0.00
79) Terphenyl-d14	12.980	244	856301	65.010	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	78999	12.869	ng	# 78
25) Isophorone	7.434	82	595783	37.764	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	29521	8.931	ng	# 23
52) Acenaphthene	9.939	154	30449	2.417	ng	98
58) Fluorene	10.457	166	32778	2.327	ng	97
63) Azobenzene	10.616	77	59819	4.083	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	11528	3.271	ng	# 1
71) Phenanthrene	11.422	178	368737	22.263	ng	100
72) Anthracene	11.469	178	92547	5.701	ng	97
73) Carbazole	11.627	167	35084	2.189	ng	99
75) Fluoranthene	12.616	202	739382	39.791	ng	99
78) Pyrene	12.845	202	692601	35.415	ng	100
81) Benzo(a)anthracene	14.033	228	339896	22.620	ng	97
83) Chrysene	14.068	228	297464	21.696	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	124599	10.633	ng	96
88) Benzo(b)fluoranthene	15.092	252	450970	36.342	ng	98
89) Benzo(k)fluoranthene	15.092	252	450970	44.486	ng	97
90) Benzo(a)pyrene	15.462	252	202486	21.012	ng	97
91) Dibenzo(a,h)anthracene	17.033	278	29334	3.028	ng	# 84
92) Benzo(g,h,i)perylene	17.480	276	120546	12.173	ng	96

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

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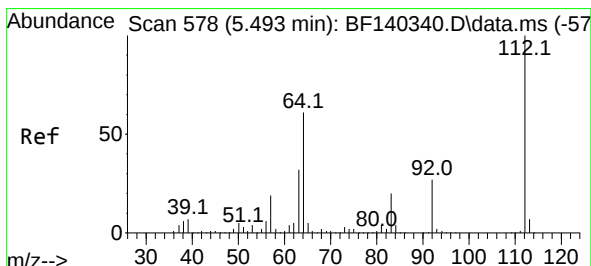
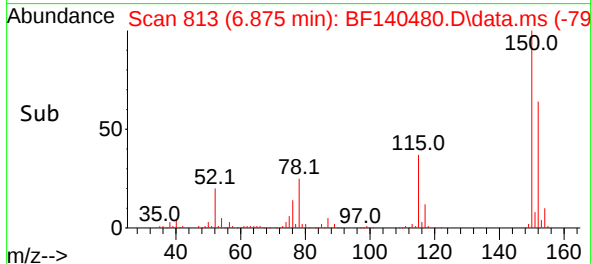
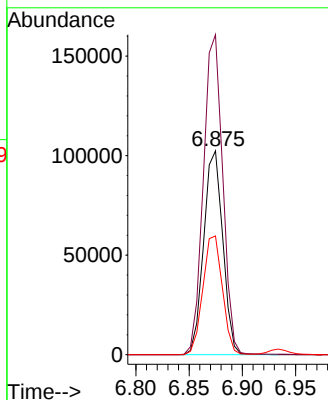
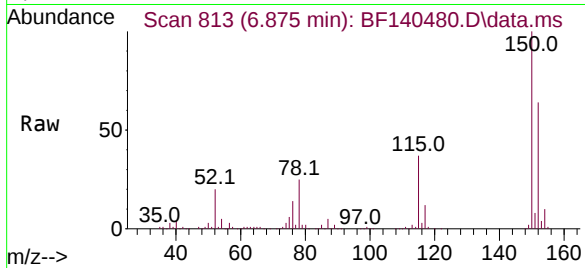




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

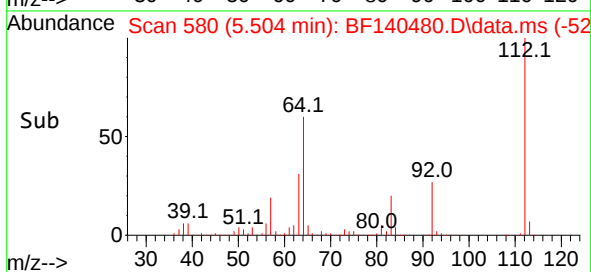
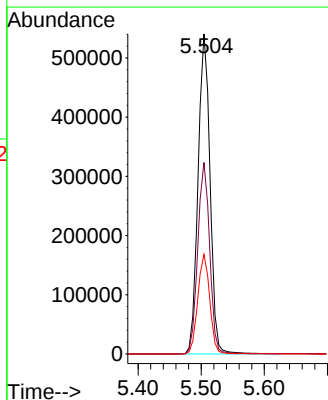
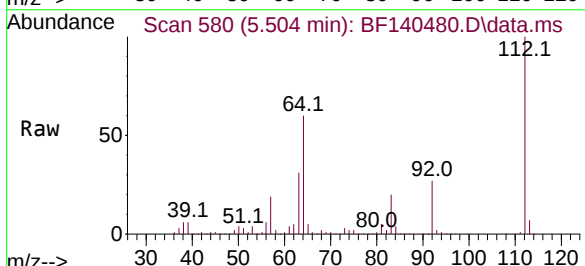
Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:152 Resp: 128086
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.0
115 58.2 47.4 71.2



#5
2-Fluorophenol
Concen: 94.876 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:112 Resp: 711749
Ion Ratio Lower Upper
112 100
64 59.8 49.2 73.8
63 31.1 25.6 38.4

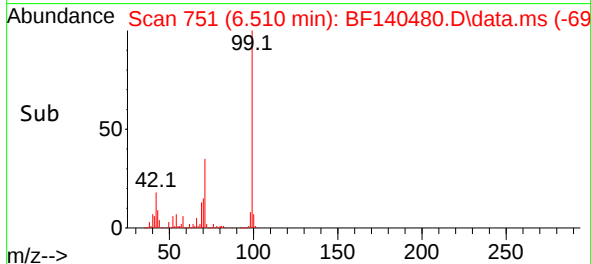
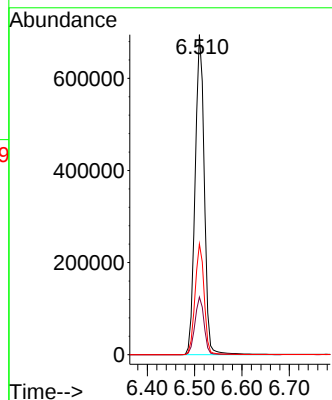
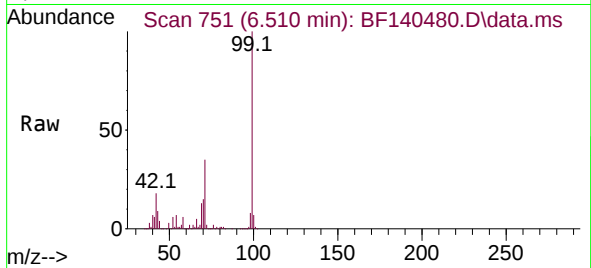




#7
Phenol-d6
Concen: 92.047 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

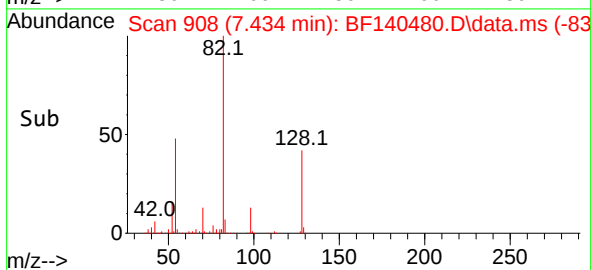
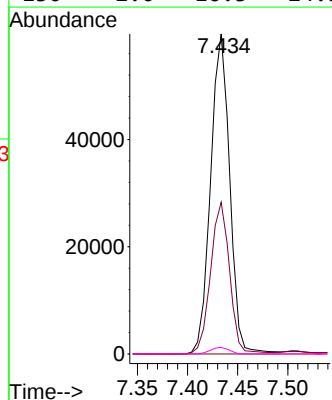
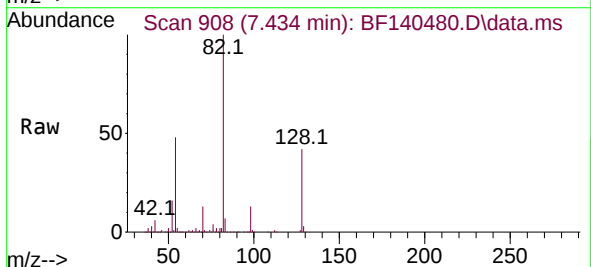
Instrument :
BNA_F
ClientSampleId :
VNJ-228

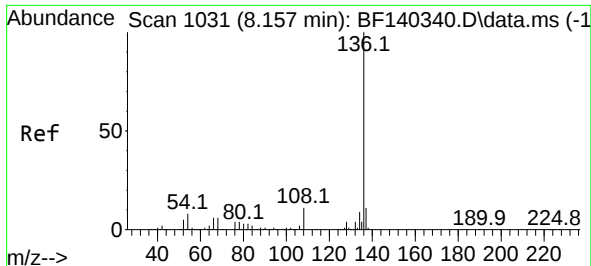
Tgt Ion: 99 Resp: 935548
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 34.6 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.869 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion: 70 Resp: 78999
Ion Ratio Lower Upper
70 100
42 47.4 46.8 70.2
101 0.0 7.5 11.3#
130 2.0 16.3 24.5#

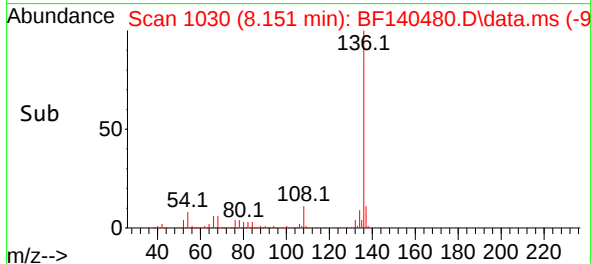
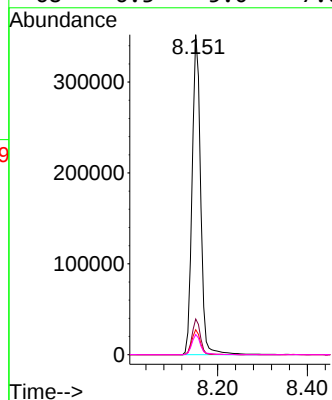
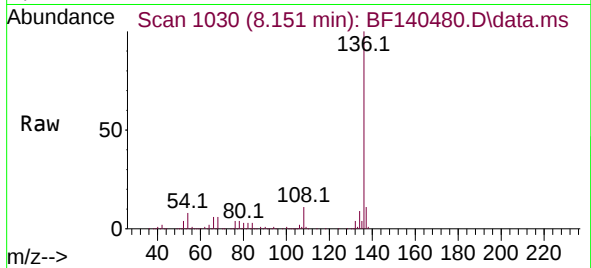




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

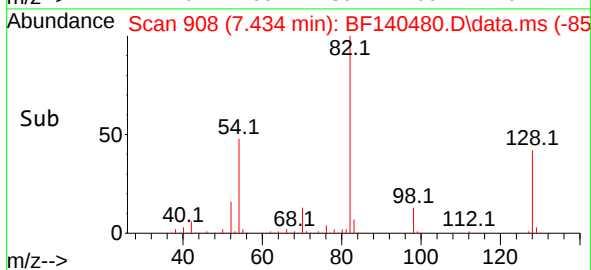
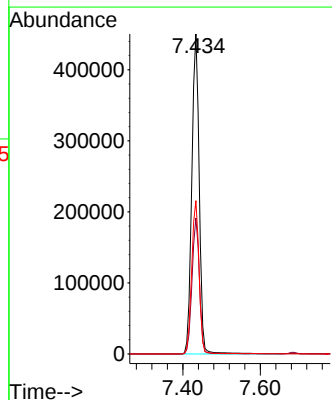
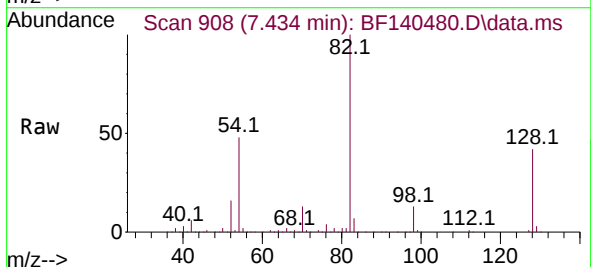
Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:136 Resp: 463803
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.8 6.5 9.7
68 6.3 5.0 7.6



#23
Nitrobenzene-d5
Concen: 67.540 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion: 82 Resp: 601219
Ion Ratio Lower Upper
82 100
128 42.5 33.3 49.9
54 47.9 39.8 59.8

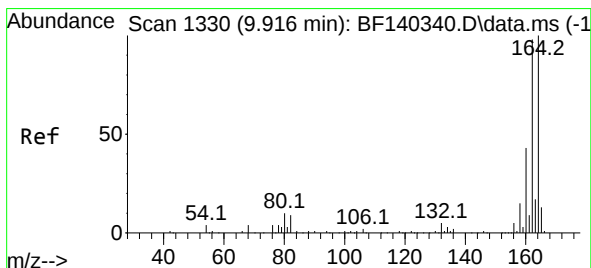
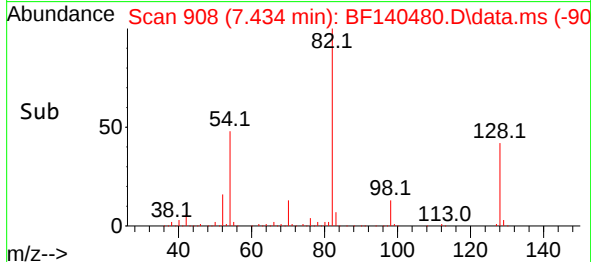
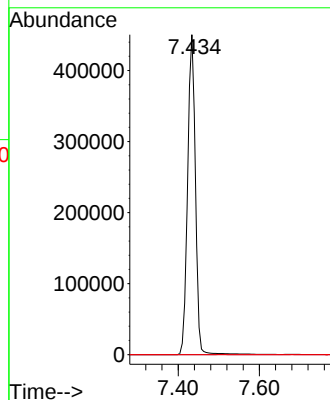
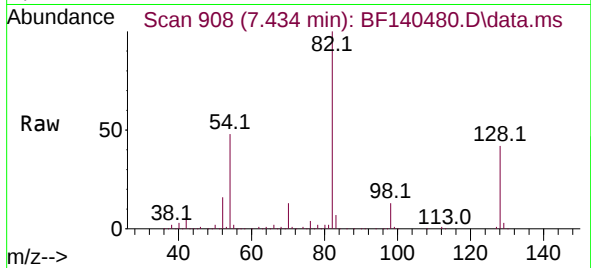




#25
Isophorone
Concen: 37.764 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

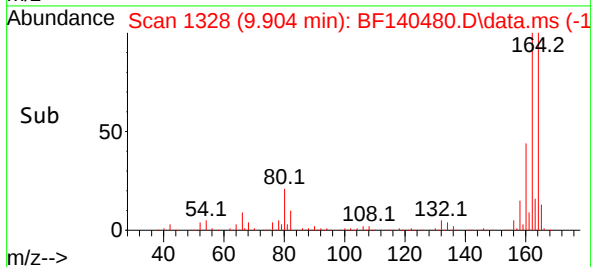
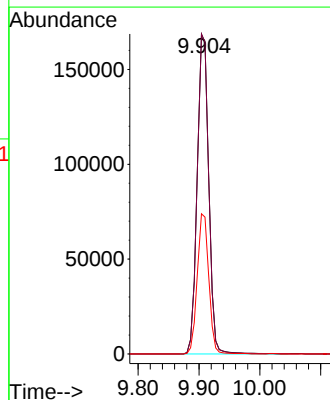
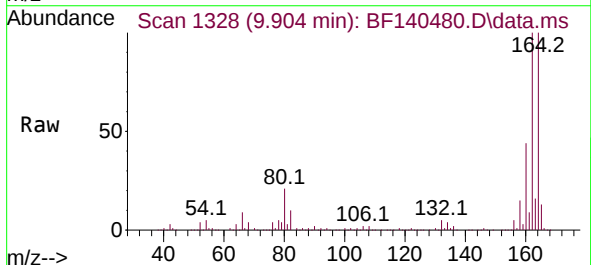
Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion: 82 Resp: 595783
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: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion: 164 Resp: 222443
Ion Ratio Lower Upper
164 100
162 100.1 79.8 119.8
160 43.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 78.436 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-228

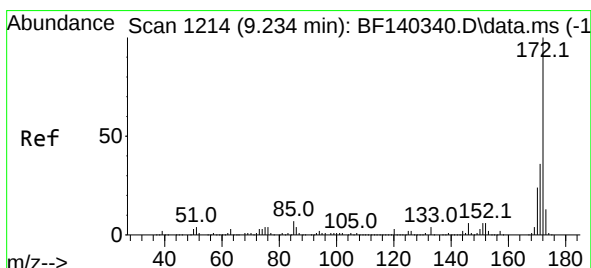
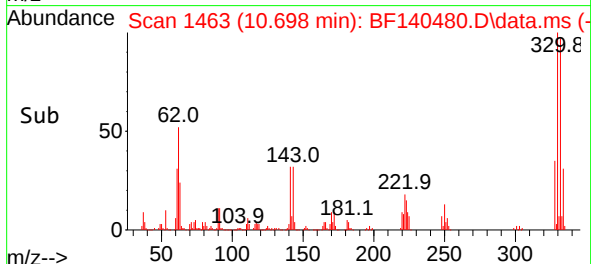
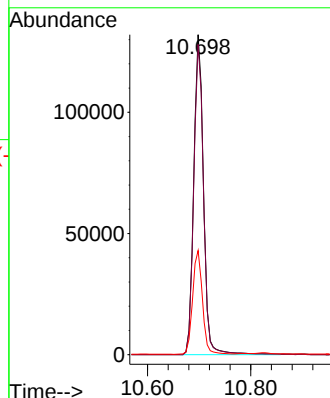
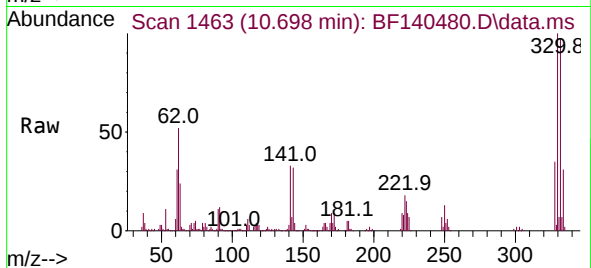
Tgt Ion:330 Resp: 173503

Ion Ratio Lower Upper

330 100

332 97.4 75.9 113.9

141 32.5 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 74.822 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

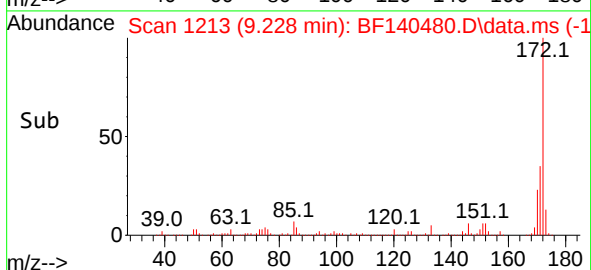
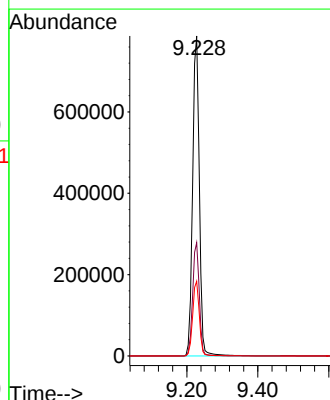
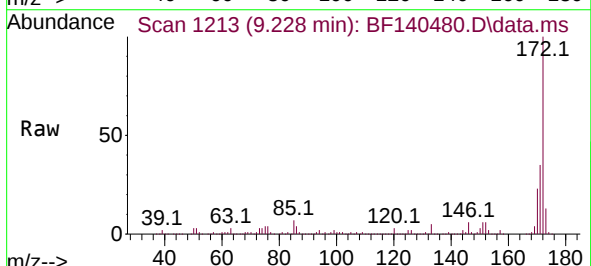
Tgt Ion:172 Resp: 1035348

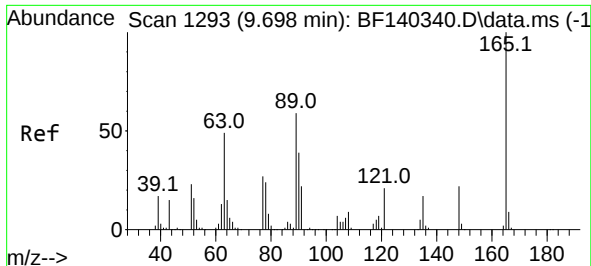
Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

170 23.4 19.1 28.7

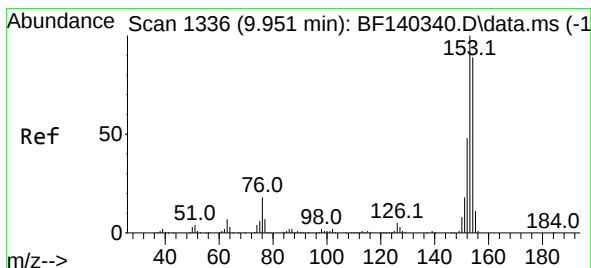
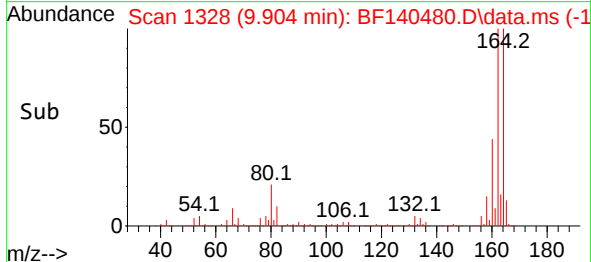
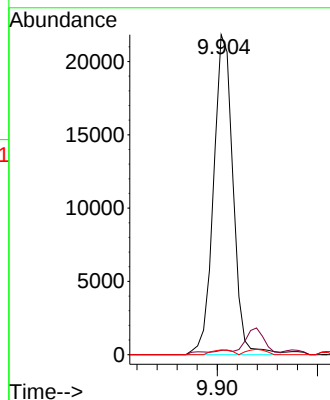
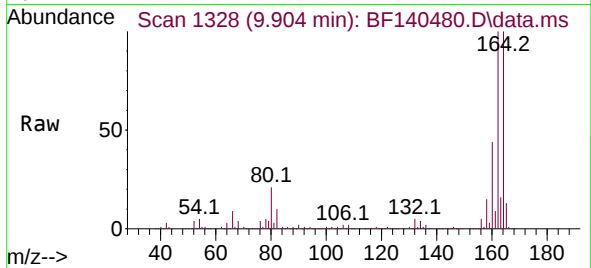




#51
2,6-Dinitrotoluene
Concen: 8.931 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

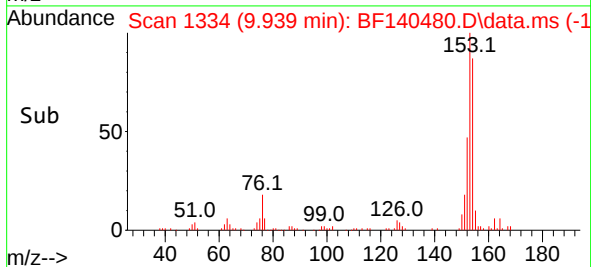
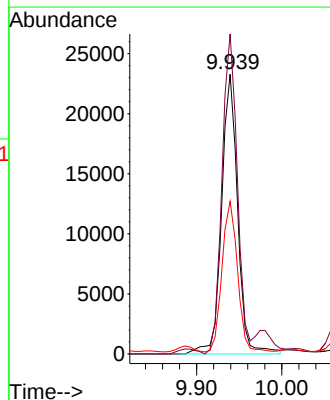
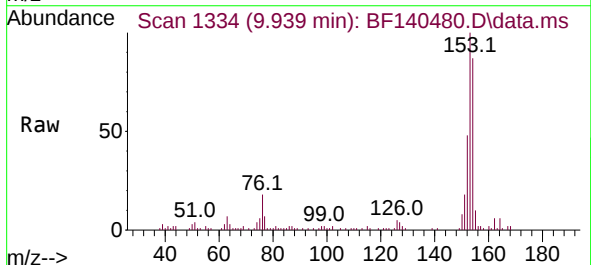
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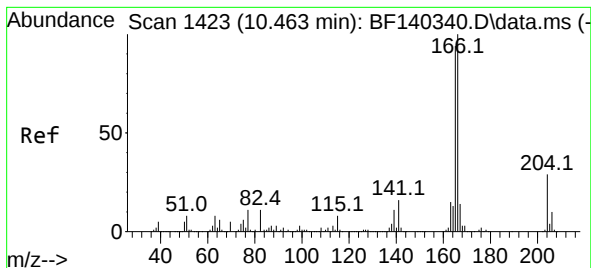
Tgt Ion:165 Resp: 29521
Ion Ratio Lower Upper
165 100
63 1.4 47.6 71.4#
89 1.5 48.1 72.1#



#52
Acenaphthene
Concen: 2.417 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:154 Resp: 30449
Ion Ratio Lower Upper
154 100
153 114.4 89.8 134.8
152 54.6 42.6 64.0





#58

Fluorene

Concen: 2.327 ng

RT: 10.457 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-228

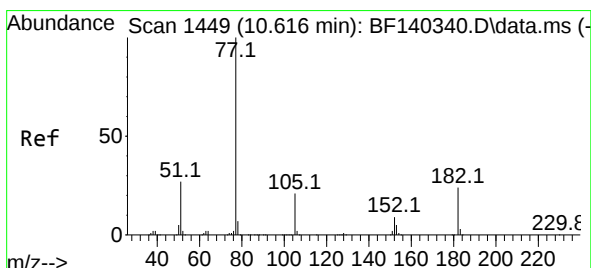
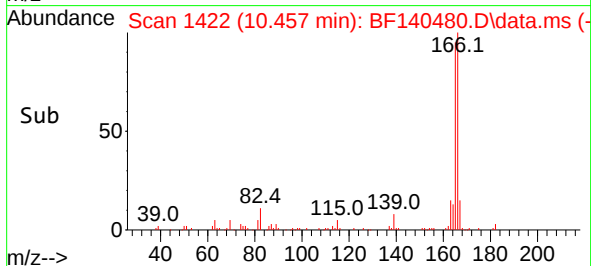
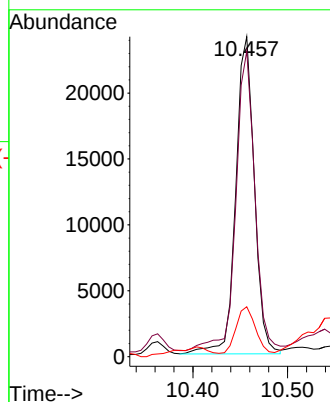
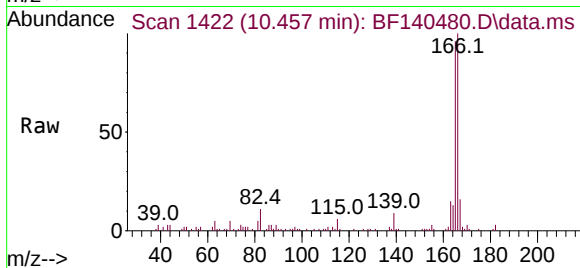
Tgt Ion:166 Resp: 32778

Ion Ratio Lower Upper

166 100

165 95.5 73.9 110.9

167 15.6 10.9 16.3



#63

Azobenzene

Concen: 4.083 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

Tgt Ion: 77 Resp: 59819

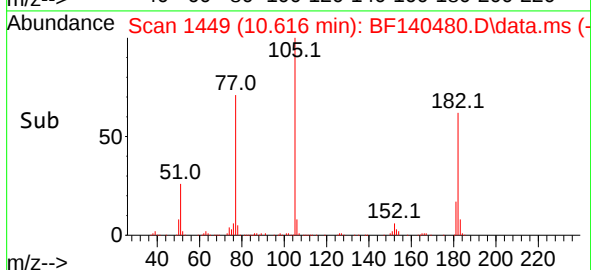
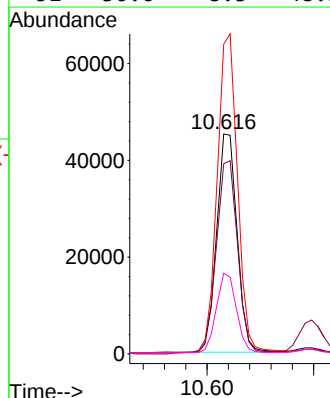
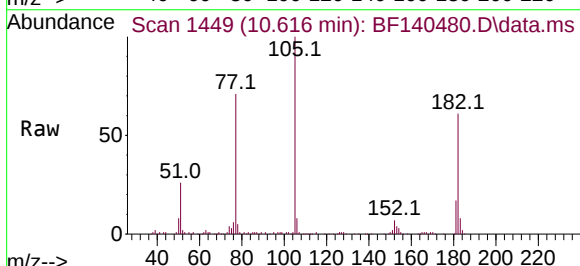
Ion Ratio Lower Upper

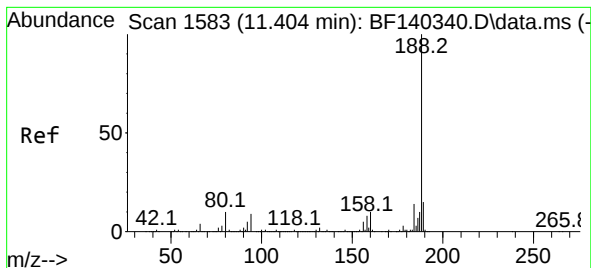
77 100

182 86.5 4.6 44.6#

105 140.8 0.9 40.9#

51 36.6 8.3 48.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-228

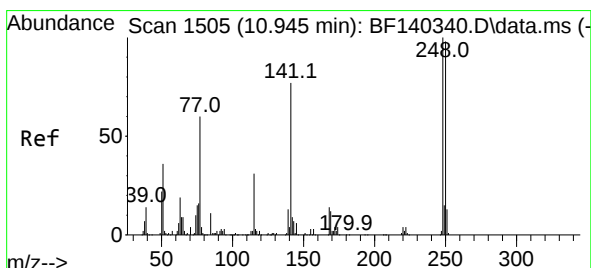
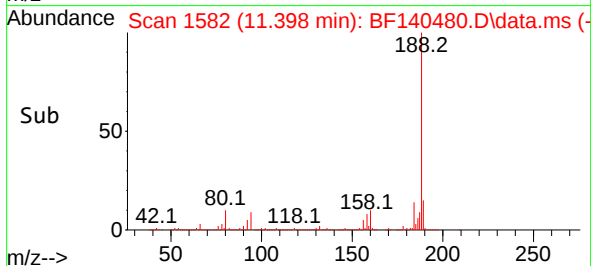
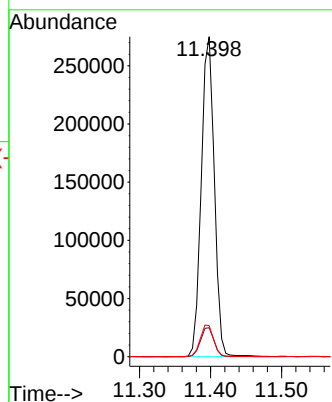
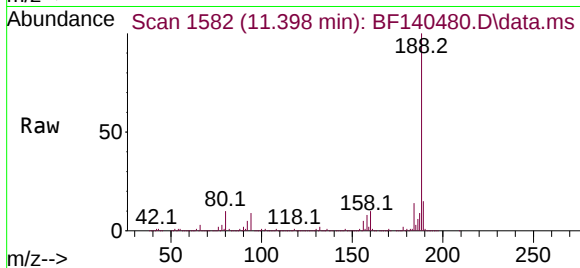
Tgt Ion:188 Resp: 352579

Ion Ratio Lower Upper

188 100

94 9.0 7.6 11.4

80 9.7 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 3.271 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

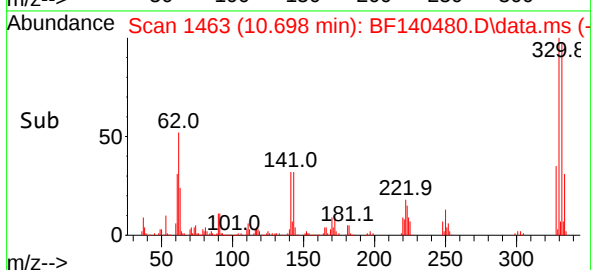
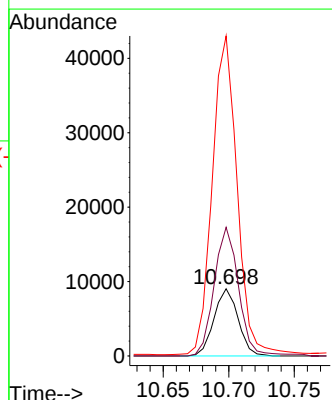
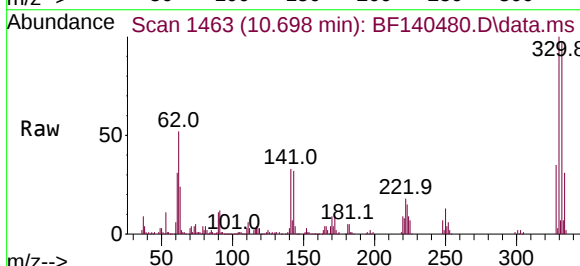
Tgt Ion:248 Resp: 11528

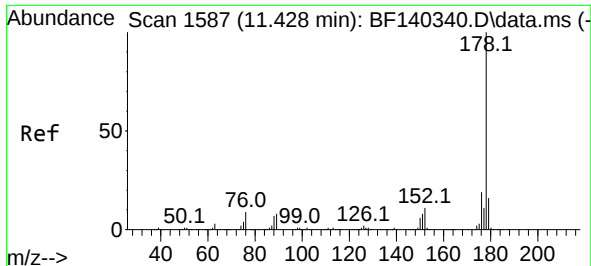
Ion Ratio Lower Upper

248 100

250 191.5 77.9 116.9#

141 476.3 61.8 92.6#

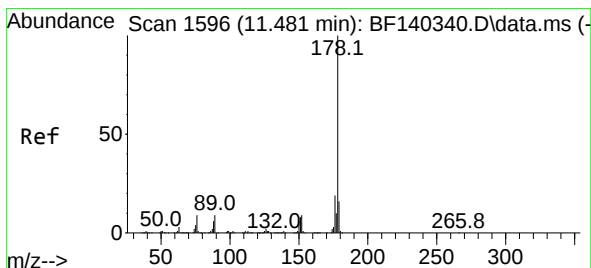
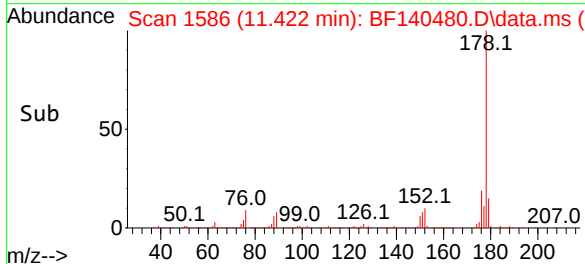
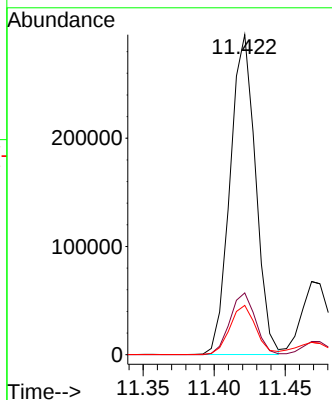
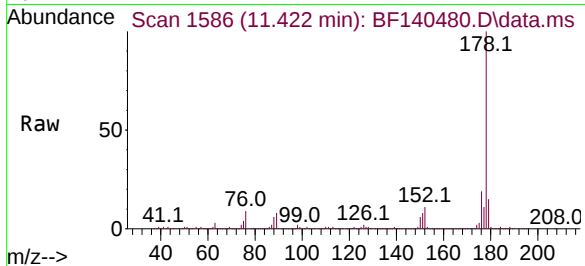




#71
Phenanthrene
Concen: 22.263 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

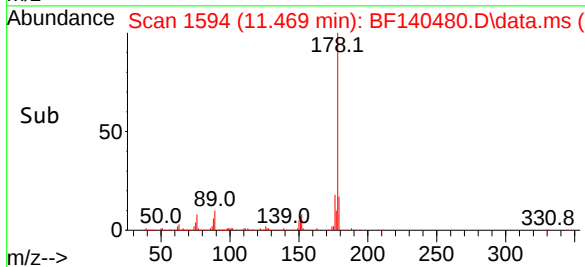
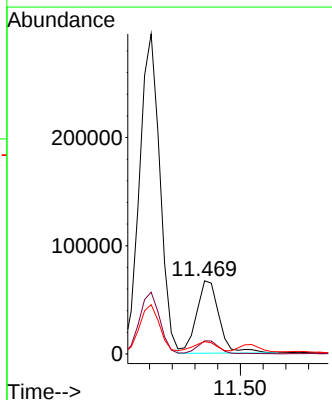
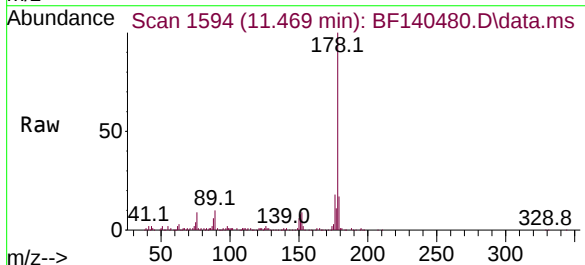
Instrument :
BNA_F
ClientSampleId :
VNJ-228

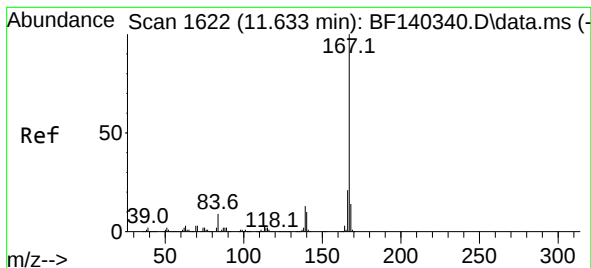
Tgt Ion:178 Resp: 368737
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.4 12.4 18.6



#72
Anthracene
Concen: 5.701 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:178 Resp: 92547
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 16.8 12.6 18.8





#73

Carbazole

Concen: 2.189 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-228

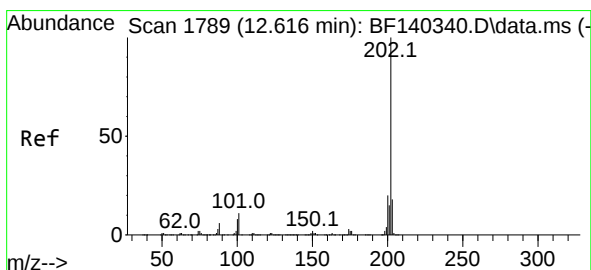
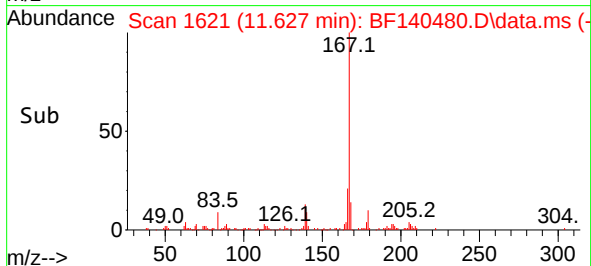
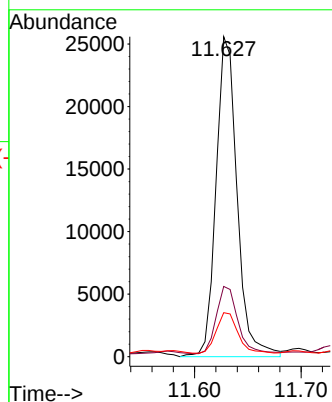
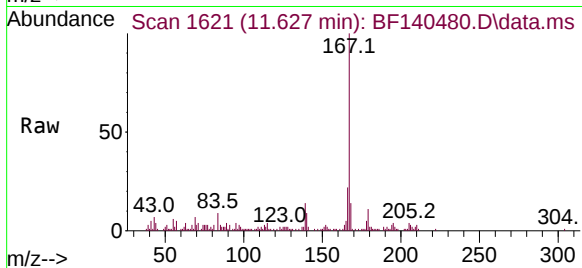
Tgt Ion:167 Resp: 35084

Ion Ratio Lower Upper

167 100

166 21.9 17.2 25.8

139 13.8 10.4 15.6



#75

Fluoranthene

Concen: 39.791 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.000 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

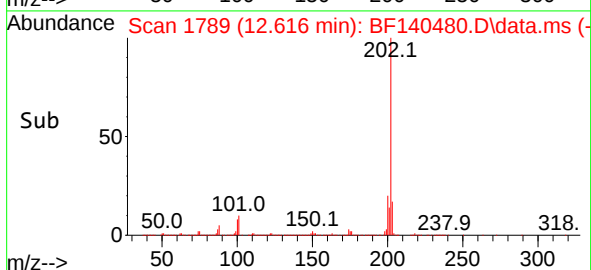
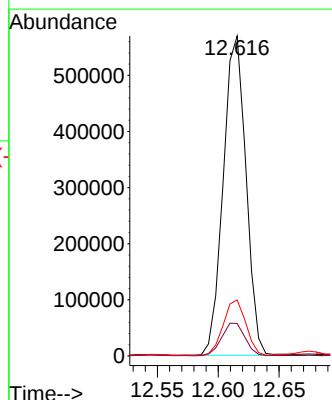
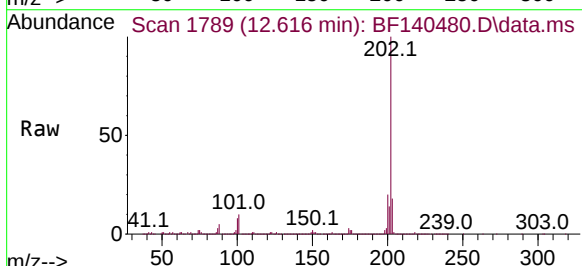
Tgt Ion:202 Resp: 739382

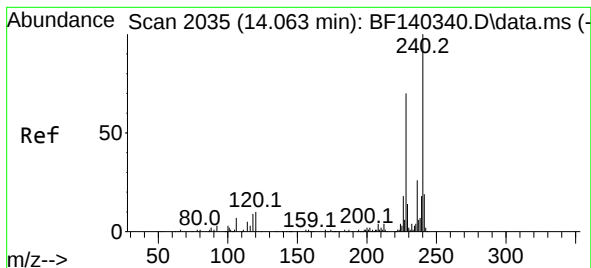
Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.7

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-228

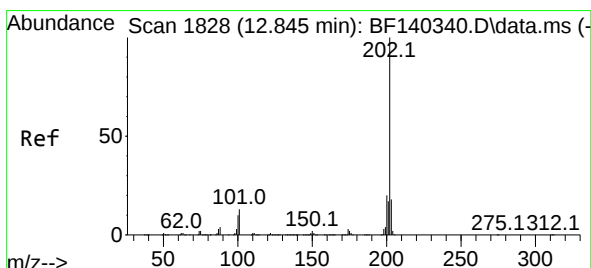
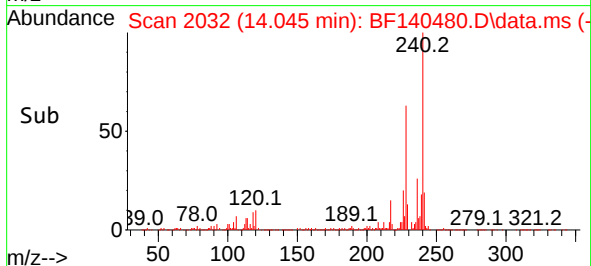
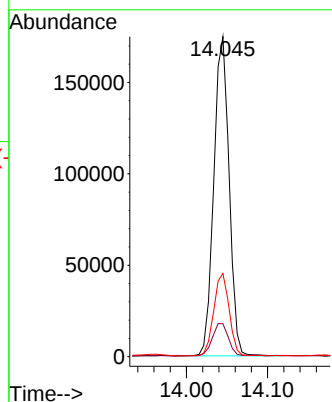
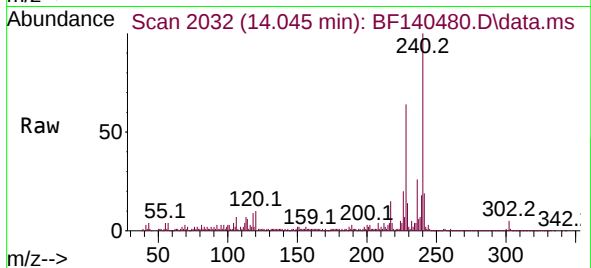
Tgt Ion:240 Resp: 228634

Ion Ratio Lower Upper

240 100

120 10.3 8.8 13.2

236 26.0 20.9 31.3



#78

Pyrene

Concen: 35.415 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

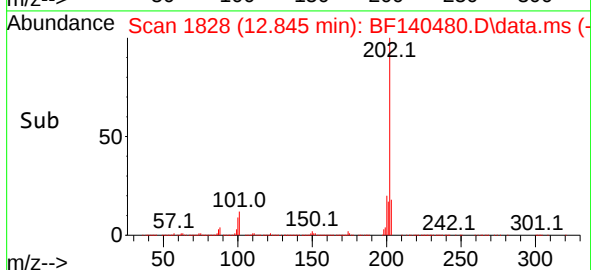
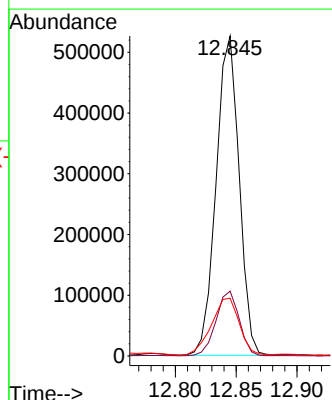
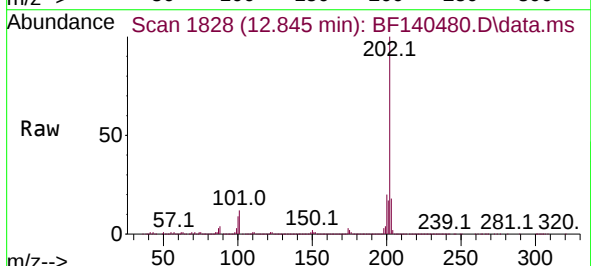
Tgt Ion:202 Resp: 692601

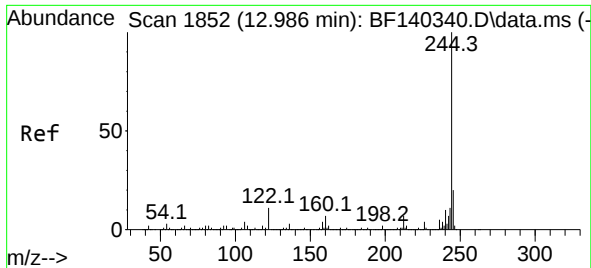
Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 18.1 14.2 21.4

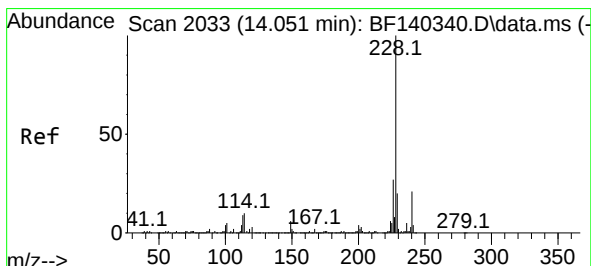
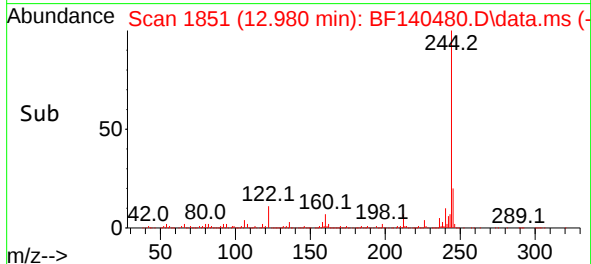
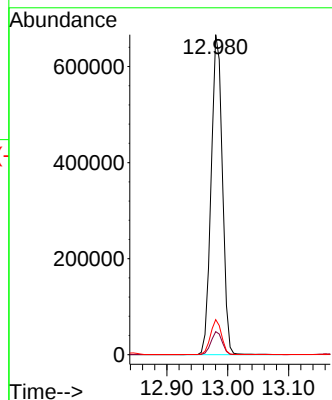
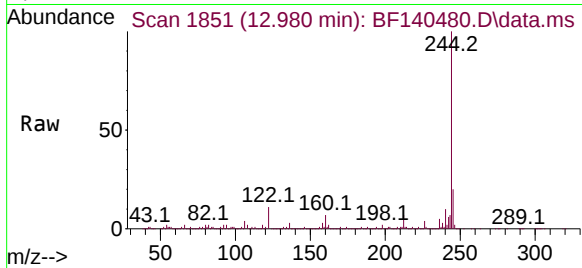




#79
 Terphenyl-d14
 Concen: 65.010 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF140480.D
 Acq: 19 Nov 2024 18:10

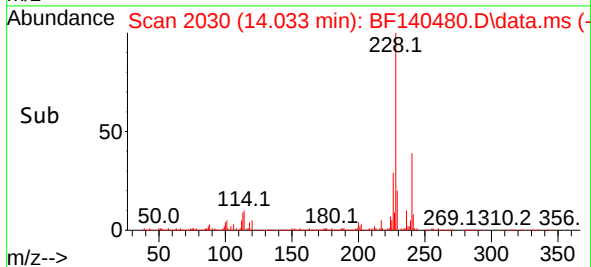
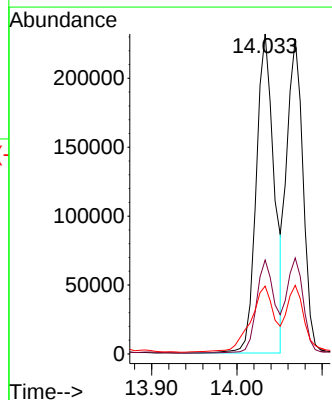
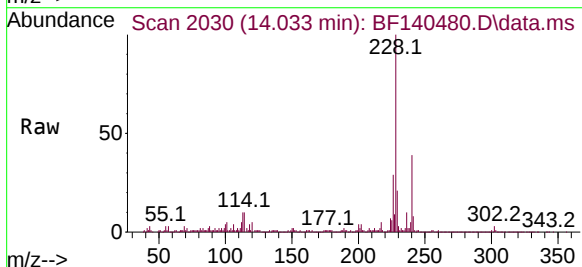
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228

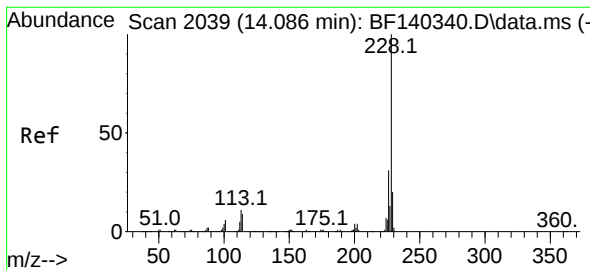
Tgt Ion:244 Resp: 856301
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 10.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 22.620 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140480.D
 Acq: 19 Nov 2024 18:10

Tgt Ion:228 Resp: 339896
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.2 33.4
 229 21.2 15.8 23.6





#83

Chrysene

Concen: 21.696 ng

RT: 14.068 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-228

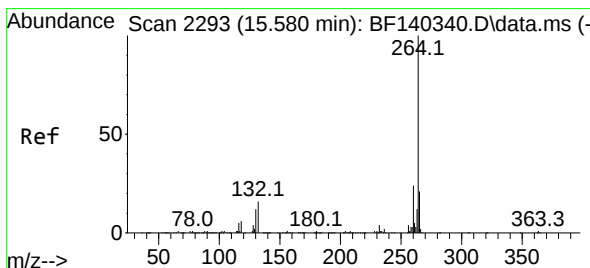
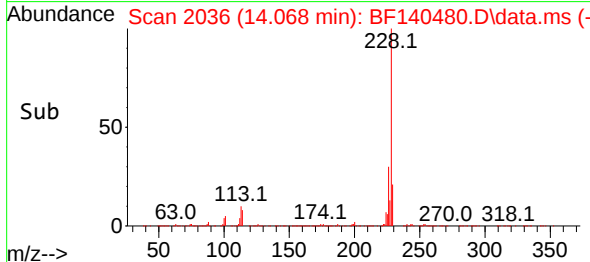
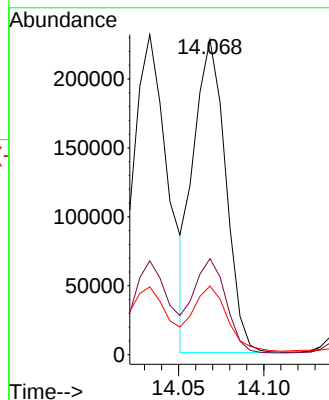
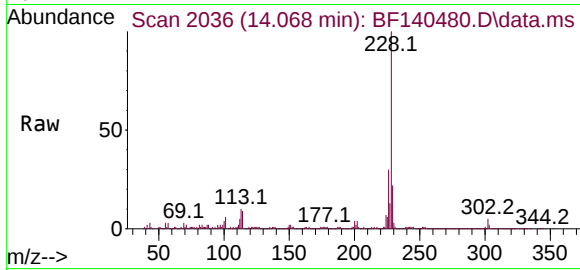
Tgt Ion:228 Resp: 297464

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 21.8 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. -0.030 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

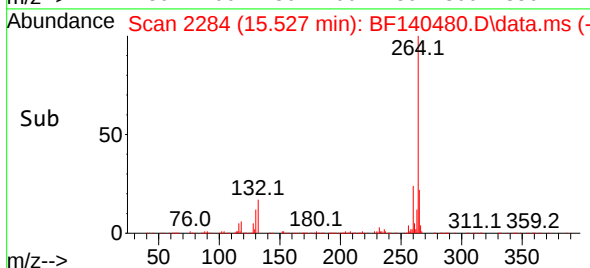
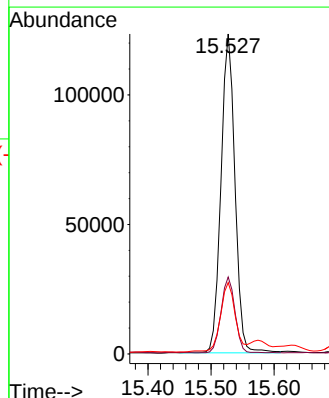
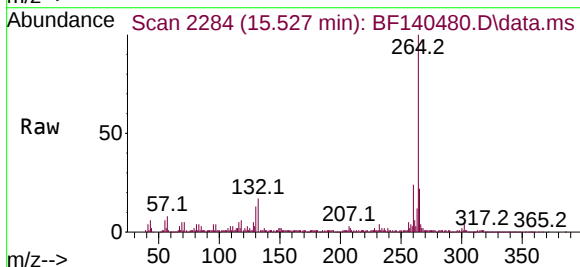
Tgt Ion:264 Resp: 189698

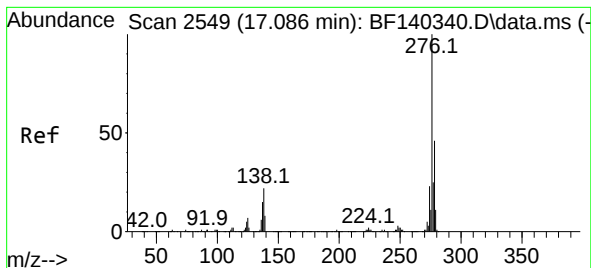
Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.633 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-228

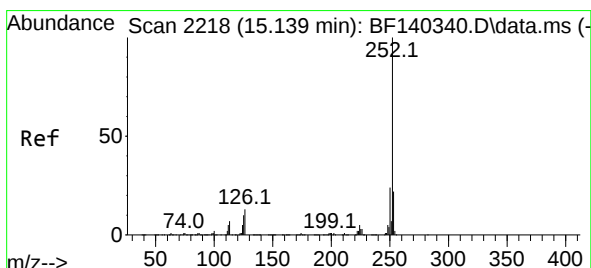
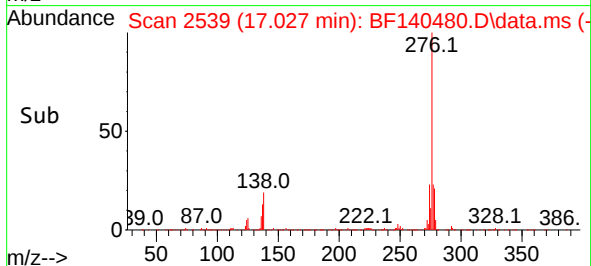
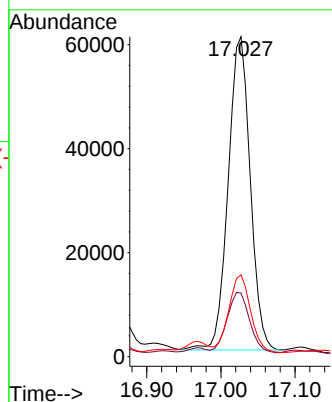
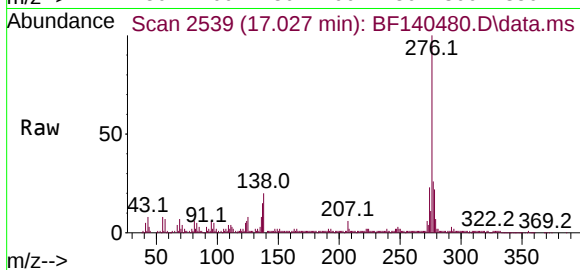
Tgt Ion:276 Resp: 124599

Ion Ratio Lower Upper

276 100

138 19.6 18.8 28.2

277 24.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 36.342 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.024 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

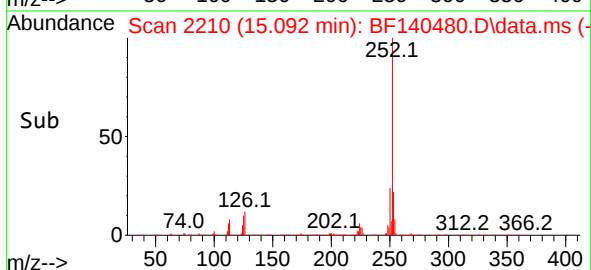
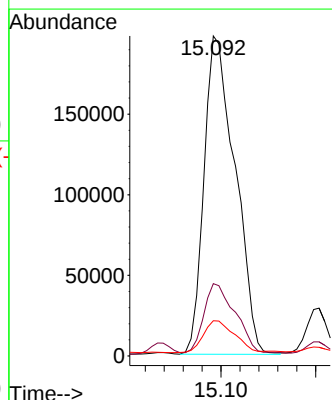
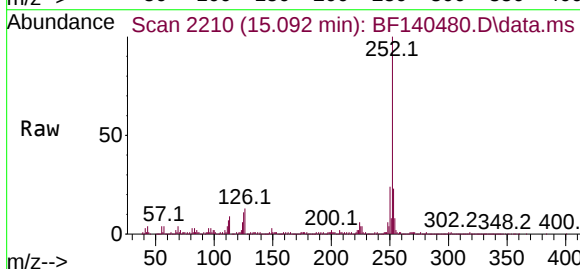
Tgt Ion:252 Resp: 450970

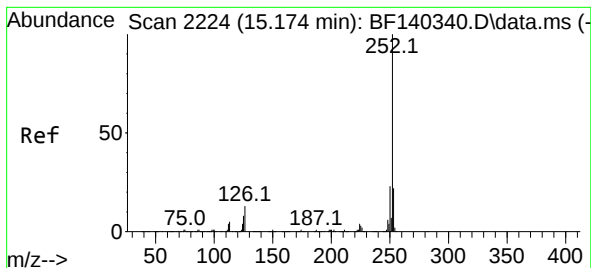
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 44.486 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.059 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

Instrument :

BNA_F

ClientSampleId :

VNJ-228

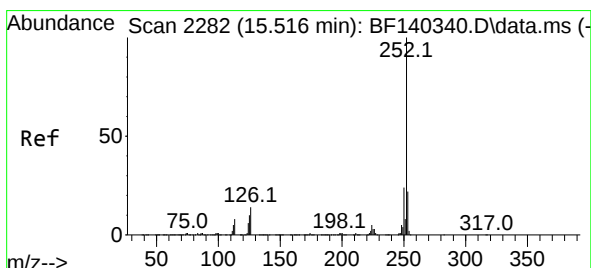
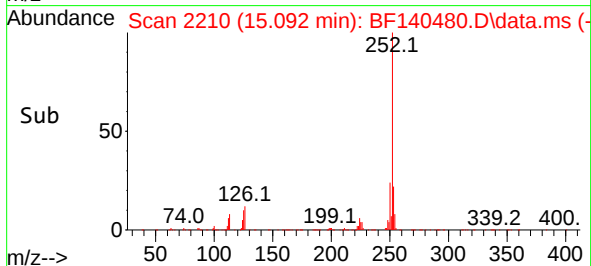
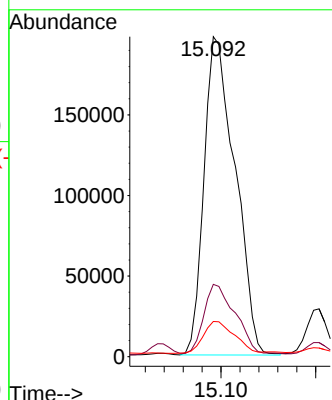
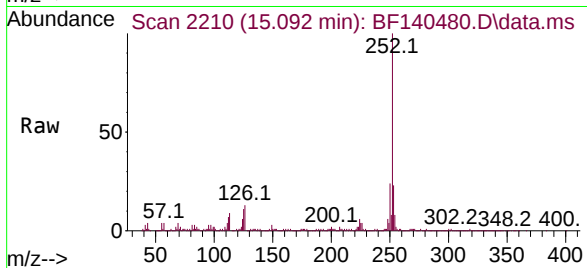
Tgt Ion:252 Resp: 450970

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 11.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 21.012 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.030 min

Lab File: BF140480.D

Acq: 19 Nov 2024 18:10

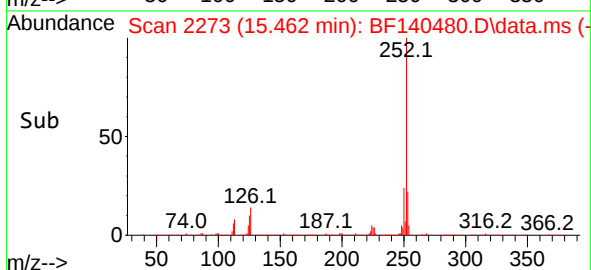
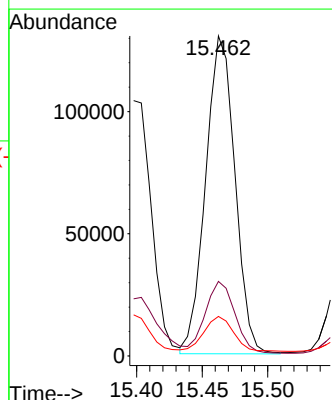
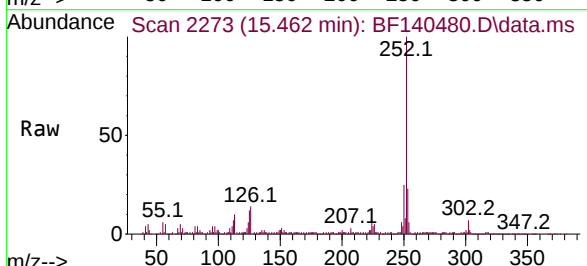
Tgt Ion:252 Resp: 202486

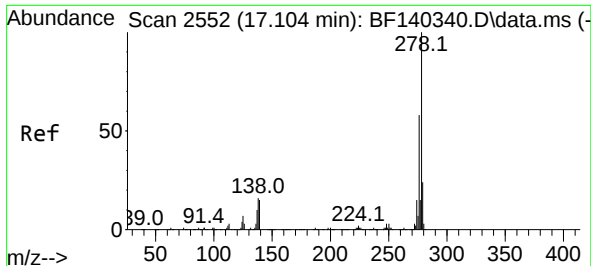
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 12.4 8.4 12.6

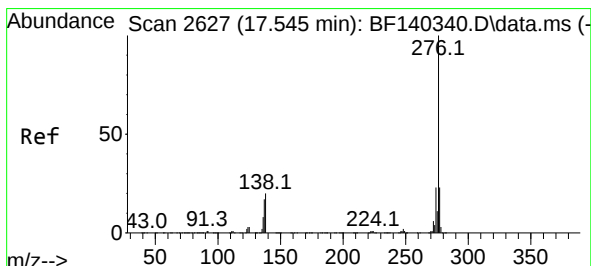
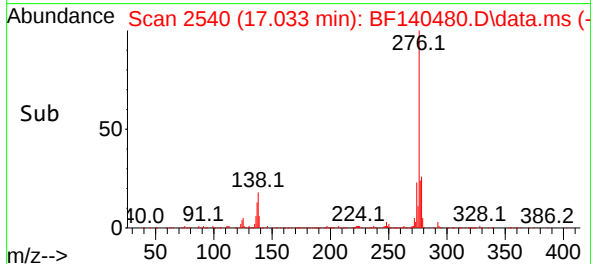
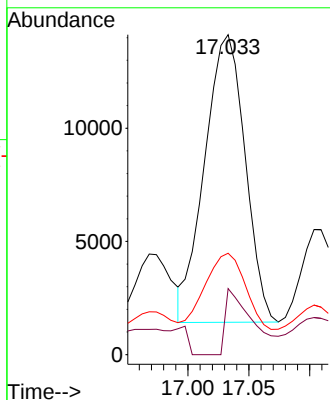
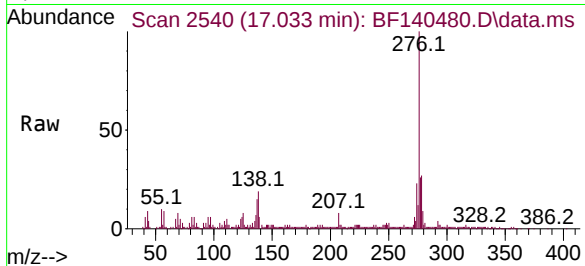




#91
Dibenzo(a,h)anthracene
Concen: 3.028 ng
RT: 17.033 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:278 Resp: 29334
Ion Ratio Lower Upper
278 100
139 20.7 11.8 17.8#
279 31.7 18.9 28.3#



#92
Benzo(g,h,i)perylene
Concen: 12.173 ng
RT: 17.480 min Scan# 2616
Delta R.T. -0.035 min
Lab File: BF140480.D
Acq: 19 Nov 2024 18:10

Tgt Ion:276 Resp: 120546
Ion Ratio Lower Upper
276 100
277 25.7 18.6 28.0
138 20.9 16.0 24.0

