

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
 Data File : BF138832.D
 Acq On : 07 Aug 2024 04:42
 Operator : RC/JU
 Sample : P3362-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220DL

Quant Time: Aug 07 05:04:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

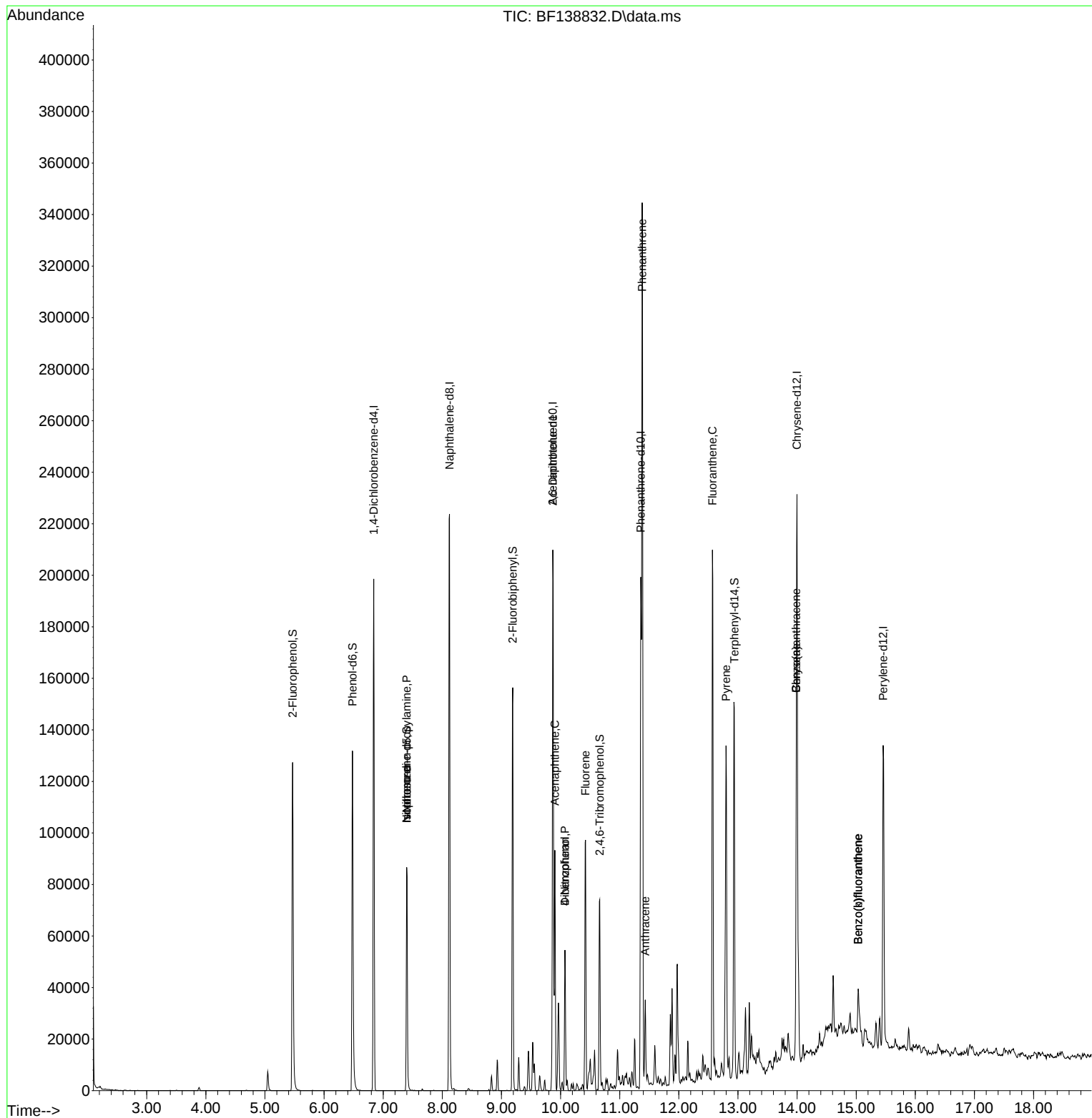
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	38690	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	138438	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	60875	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	96301	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	83753	20.000	ng	0.00
86) Perylene-d12	15.457	264	64163	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	47343	18.889	ng	0.00
7) Phenol-d6	6.481	99	61943	18.408	ng	0.00
23) Nitrobenzene-d5	7.398	82	37570	13.268	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	8665	17.377	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	66902	16.513	ng	-0.01
79) Terphenyl-d14	12.939	244	67688	13.531	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	5496	2.704	ng	# 75
25) Isophorone	7.398	82	37570	7.770	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	8663	9.862	ng	# 19
52) Acenaphthene	9.904	154	27071	8.008	ng	99
55) Dibenzofuran	10.075	168	26721	5.599	ng	95
56) 4-Nitrophenol	10.075	139	11545	21.141	ng	# 1
58) Fluorene	10.422	166	38539	10.141	ng	99
71) Phenanthrene	11.380	178	173675	35.024	ng	99
72) Anthracene	11.433	178	17858	3.656	ng	97
75) Fluoranthene	12.569	202	114809	24.801	ng	98
78) Pyrene	12.798	202	73204	9.283	ng	98
81) Benzo(a)anthracene	13.986	228	23186	4.020	ng	97
83) Chrysene	13.986	228	23186	4.456	ng	95
88) Benzo(b)fluoranthene	15.033	252	15961	4.013	ng	97
89) Benzo(k)fluoranthene	15.033	252	15961	4.635	ng	96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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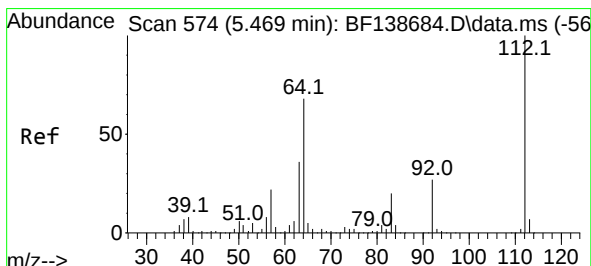
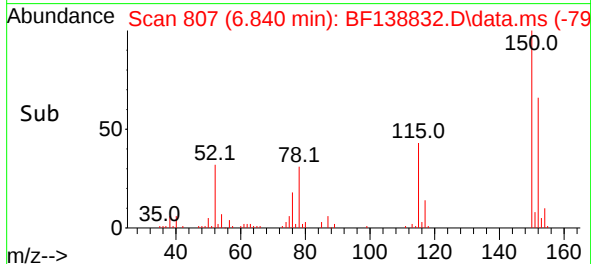
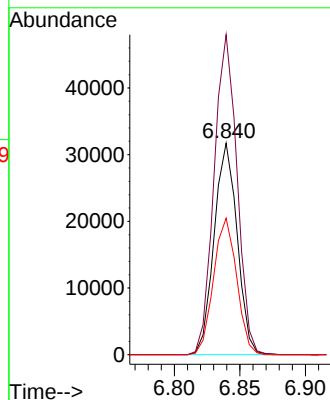
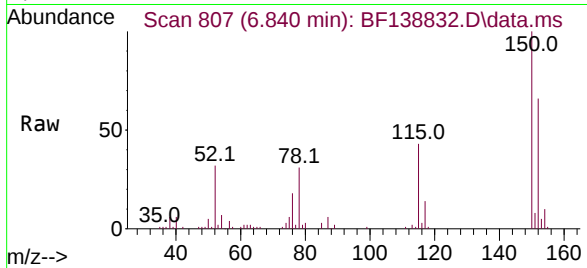




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

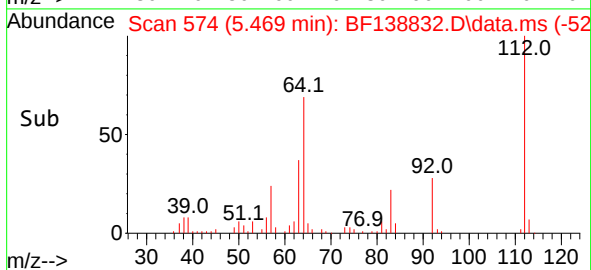
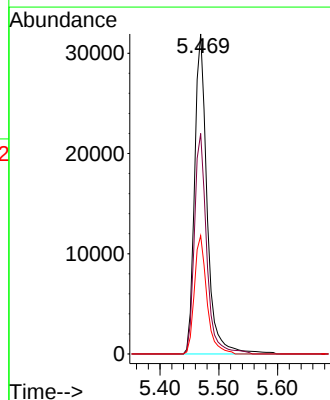
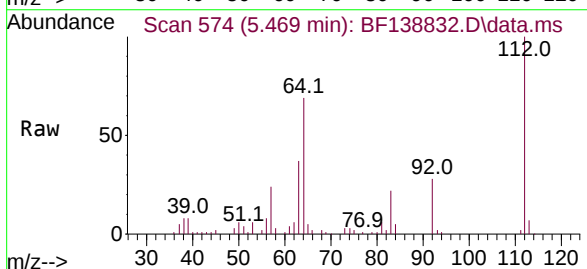
Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

Tgt Ion:152 Resp: 38690
Ion Ratio Lower Upper
152 100
150 151.3 126.0 189.0
115 64.6 51.7 77.5



#5
2-Fluorophenol
Concen: 18.889 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Tgt Ion:112 Resp: 47343
Ion Ratio Lower Upper
112 100
64 68.9 54.2 81.4
63 36.9 28.7 43.1

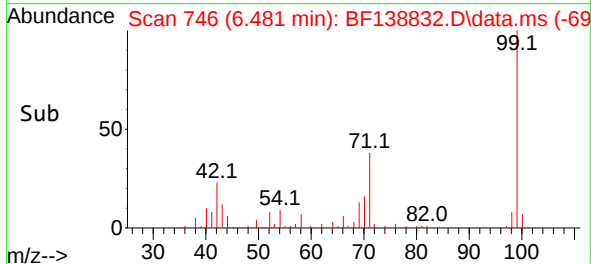
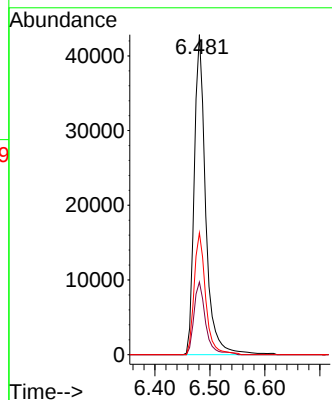
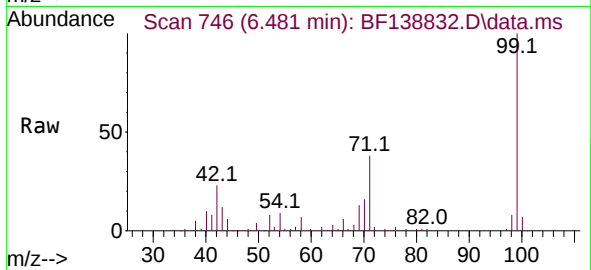




#7
Phenol-d6
Concen: 18.408 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

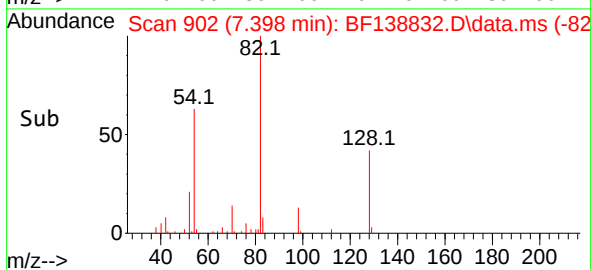
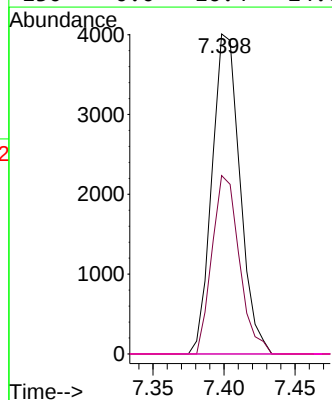
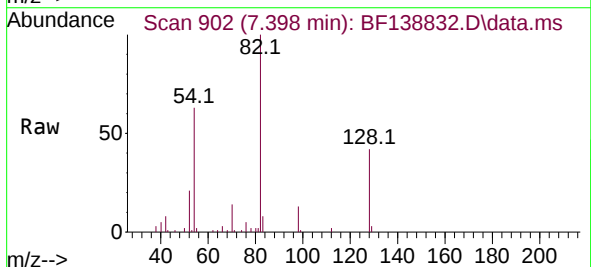
Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

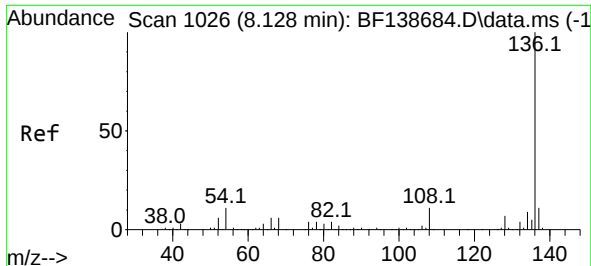
Tgt Ion: 99 Resp: 61943
Ion Ratio Lower Upper
99 100
42 22.7 17.4 26.0
71 38.1 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 2.704 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

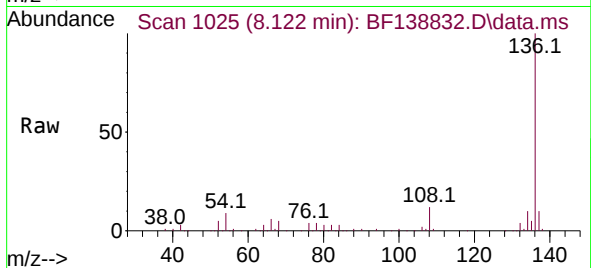
Tgt Ion: 70 Resp: 5496
Ion Ratio Lower Upper
70 100
42 55.8 57.4 86.0#
101 0.0 7.5 11.3#
130 0.0 16.4 24.6#



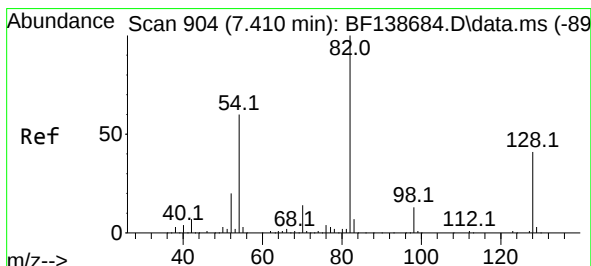
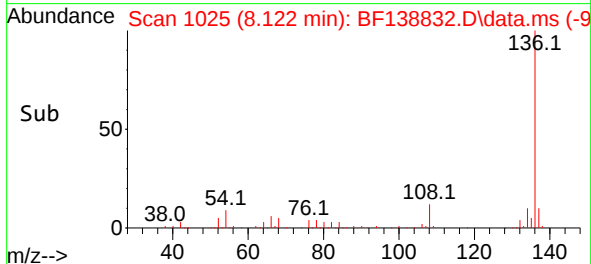
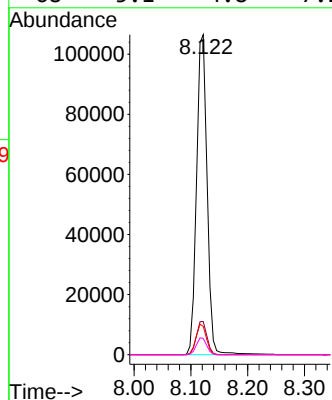


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

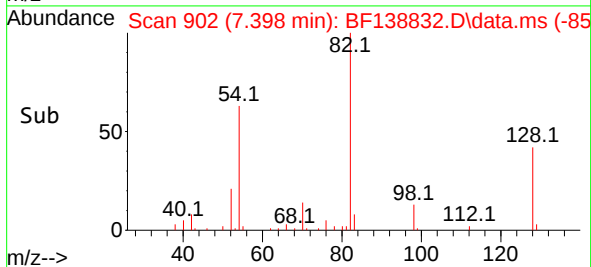
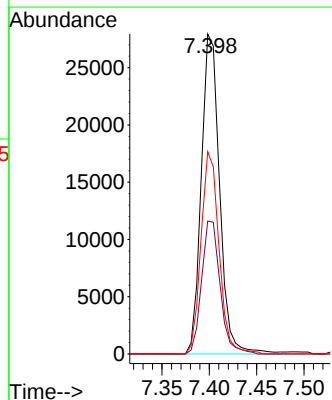
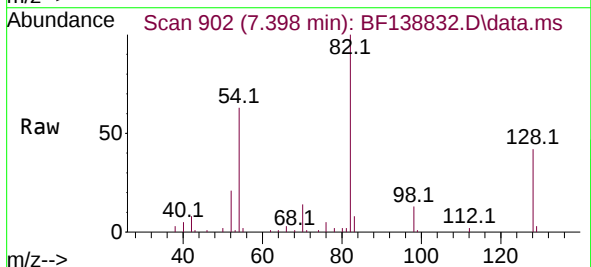


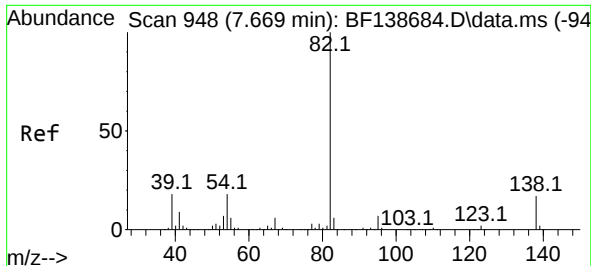
Tgt Ion:136 Resp: 138438
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 8.9 8.6 12.8
68 5.1 4.8 7.2



#23
Nitrobenzene-d5
Concen: 13.268 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Tgt Ion: 82 Resp: 37570
Ion Ratio Lower Upper
82 100
128 41.5 32.8 49.2
54 63.2 48.3 72.5

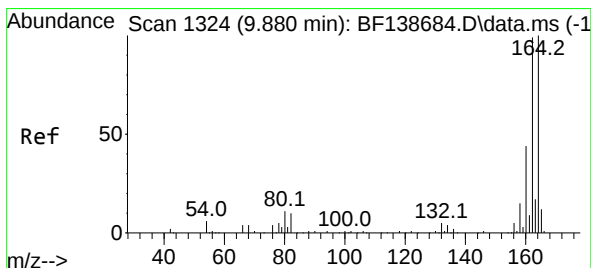
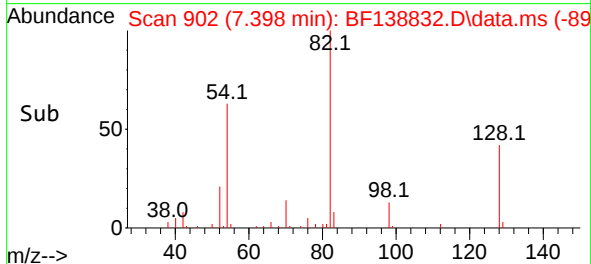
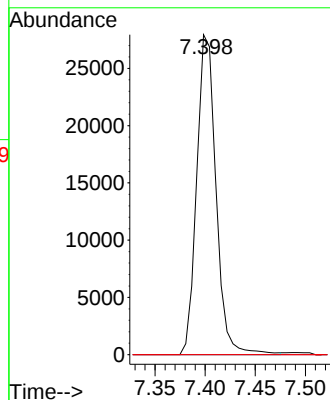
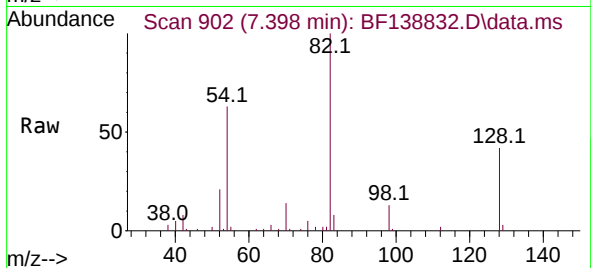




#25
Isophorone
Concen: 7.770 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

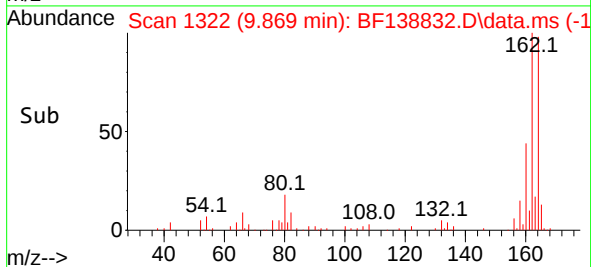
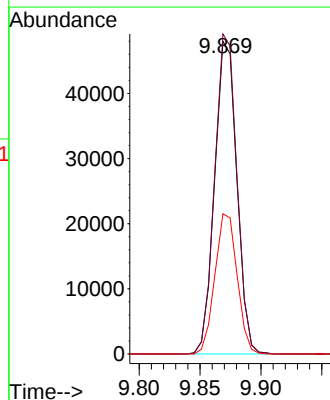
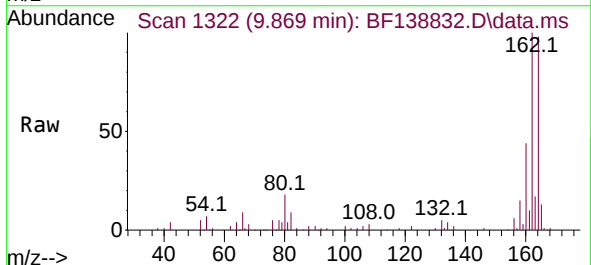
Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

Tgt Ion: 82 Resp: 37570
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Tgt Ion:164 Resp: 60875
Ion Ratio Lower Upper
164 100
162 102.3 79.4 119.0
160 44.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 17.377 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL

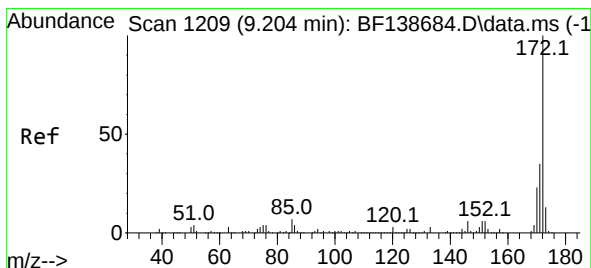
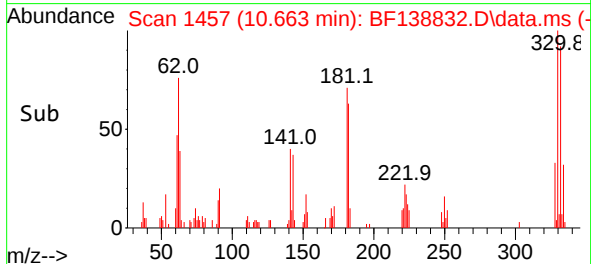
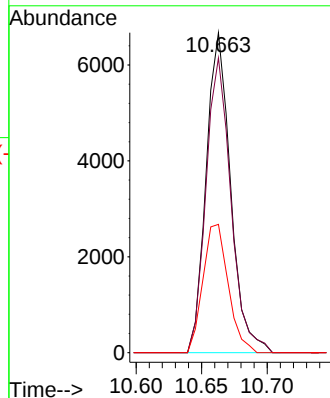
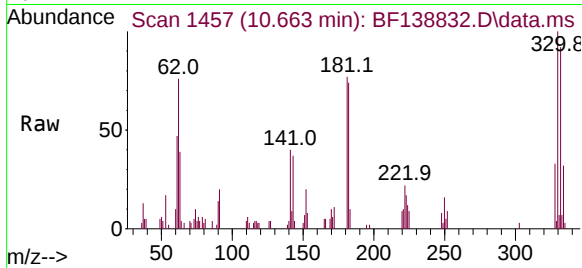
Tgt Ion:330 Resp: 8665

Ion Ratio Lower Upper

330 100

332 94.0 76.4 114.6

141 41.5 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 16.513 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

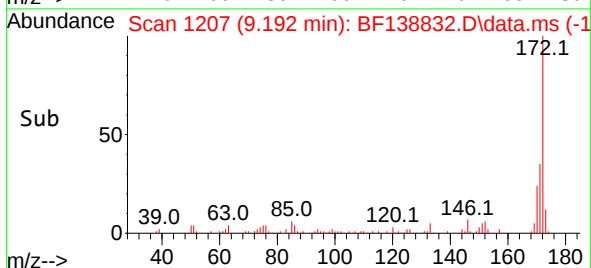
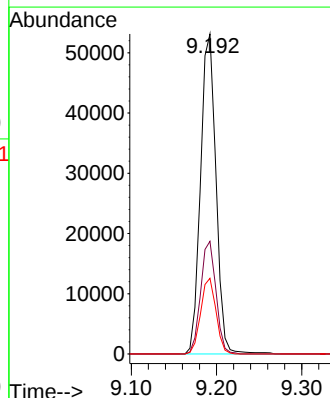
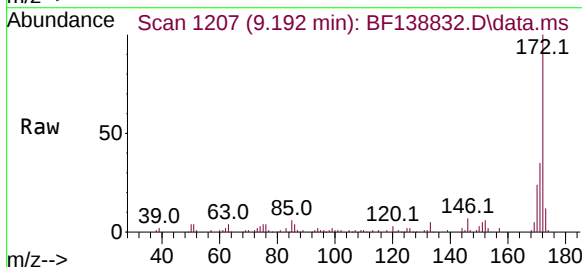
Tgt Ion:172 Resp: 66902

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.6 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.862 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL

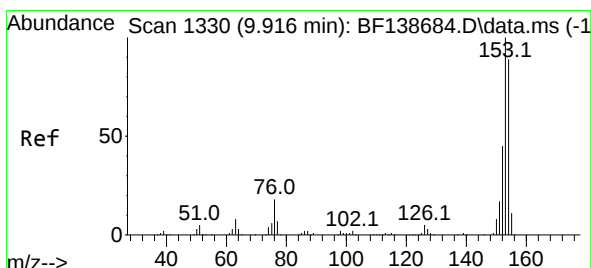
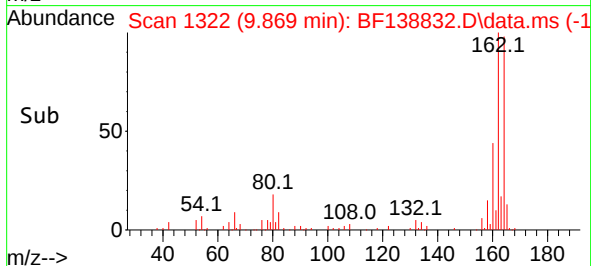
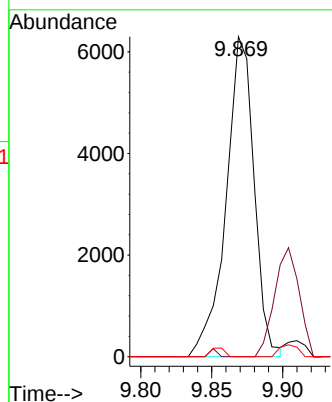
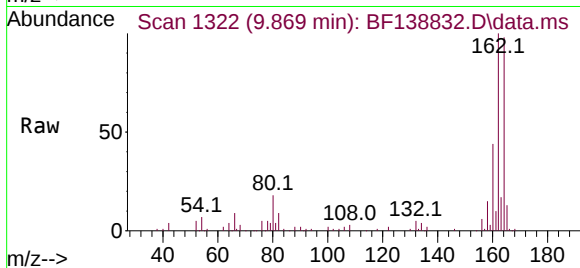
Tgt Ion:165 Resp: 8663

Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#



#52

Acenaphthene

Concen: 8.008 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

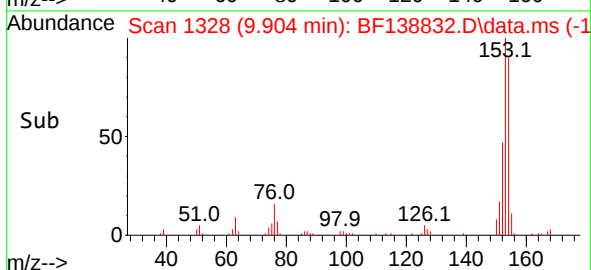
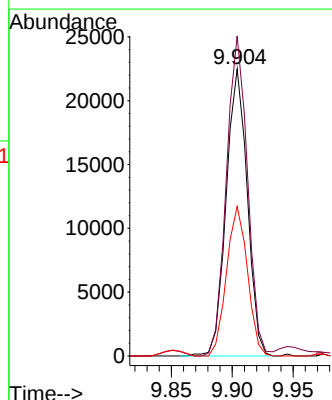
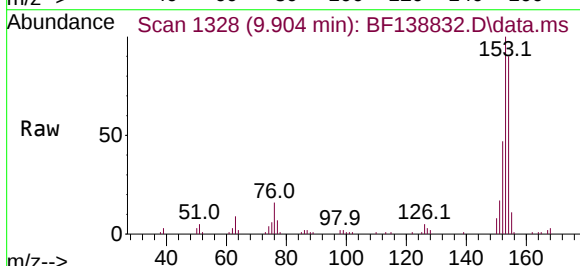
Tgt Ion:154 Resp: 27071

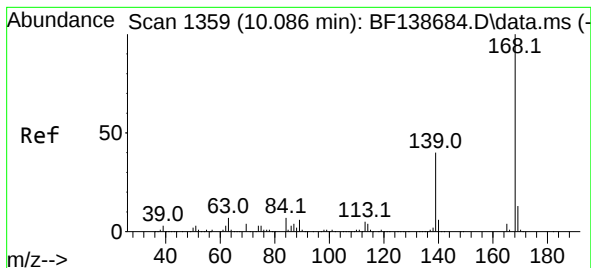
Ion Ratio Lower Upper

154 100

153 111.5 89.9 134.9

152 52.1 40.6 60.8





#55

Dibenzofuran

Concen: 5.599 ng

RT: 10.075 min Scan# 1357

Delta R.T. -0.012 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL

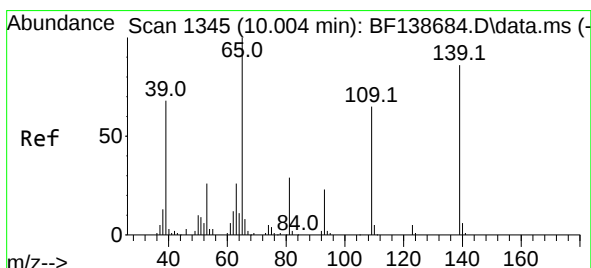
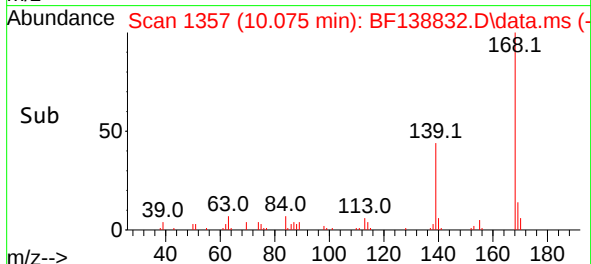
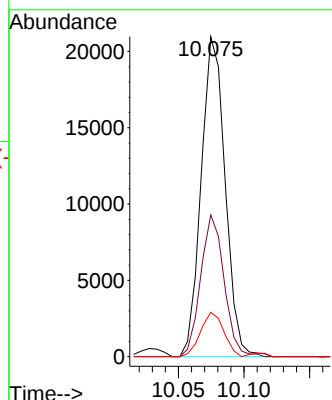
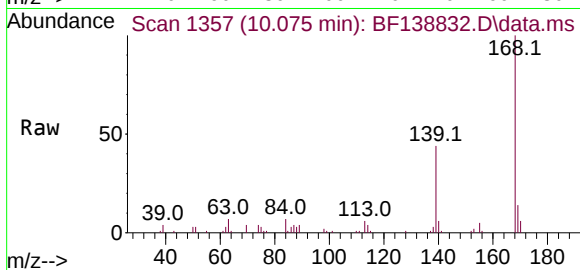
Tgt Ion:168 Resp: 26721

Ion Ratio Lower Upper

168 100

139 44.3 32.6 49.0

169 13.8 10.7 16.1



#56

4-Nitrophenol

Concen: 21.141 ng

RT: 10.075 min Scan# 1357

Delta R.T. 0.071 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

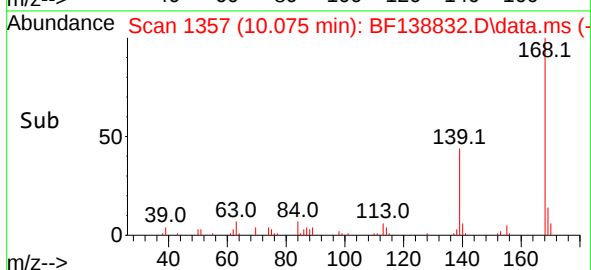
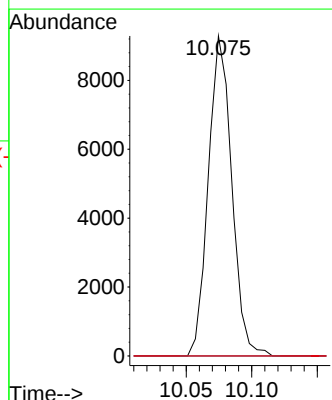
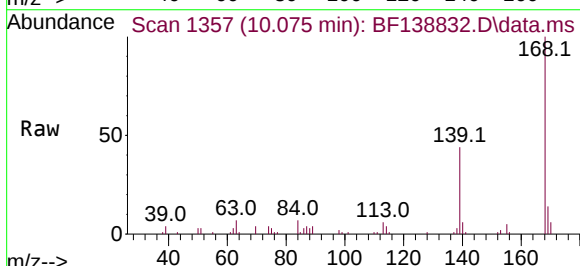
Tgt Ion:139 Resp: 11545

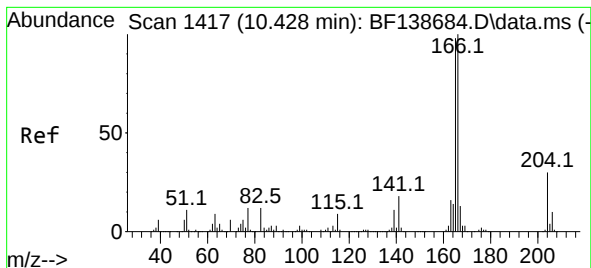
Ion Ratio Lower Upper

139 100

109 0.0 55.5 95.5#

65 0.0 96.7 136.7#





#58

Fluorene

Concen: 10.141 ng

RT: 10.422 min Scan# 1417

Delta R.T. -0.006 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL

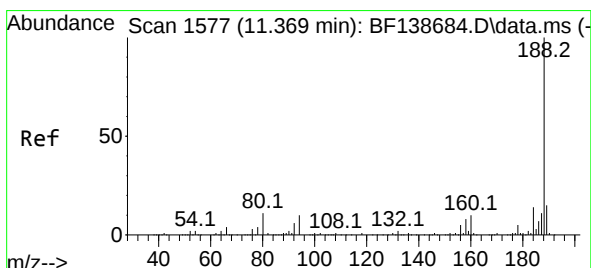
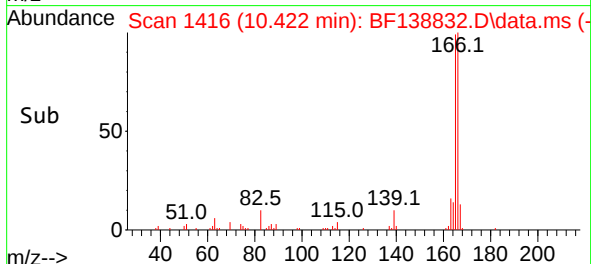
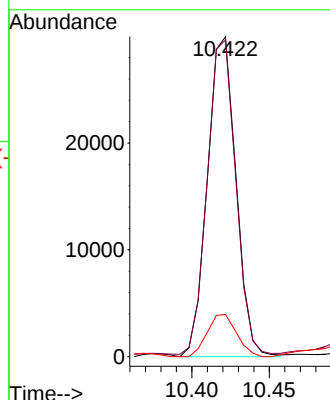
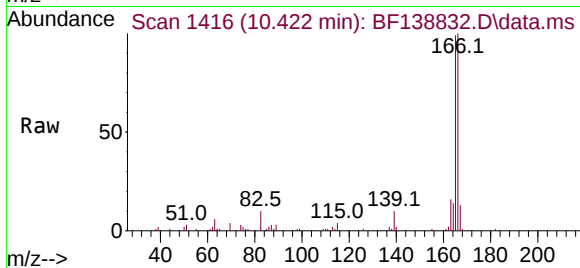
Tgt Ion:166 Resp: 38539

Ion Ratio Lower Upper

166 100

165 99.0 78.4 117.6

167 13.2 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

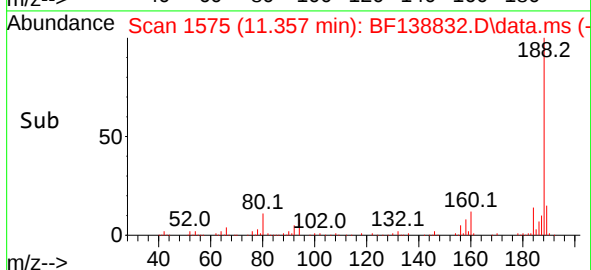
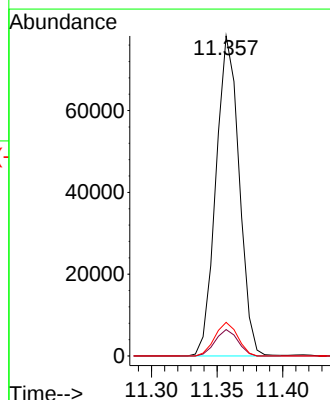
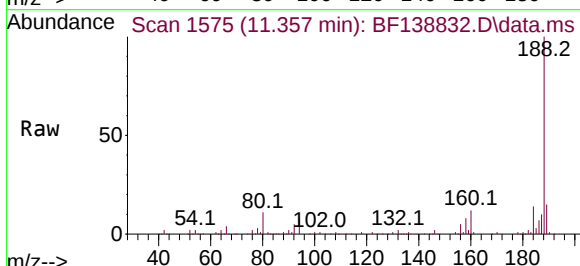
Tgt Ion:188 Resp: 96301

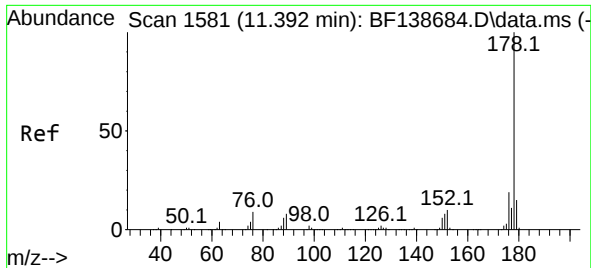
Ion Ratio Lower Upper

188 100

94 8.3 7.6 11.4

80 10.5 8.6 12.8

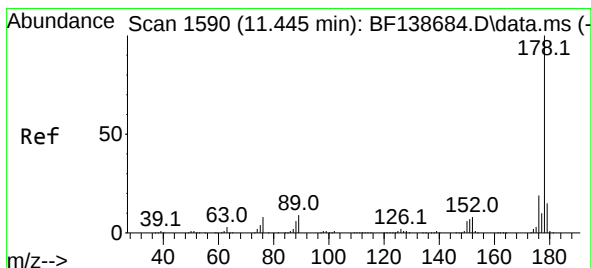
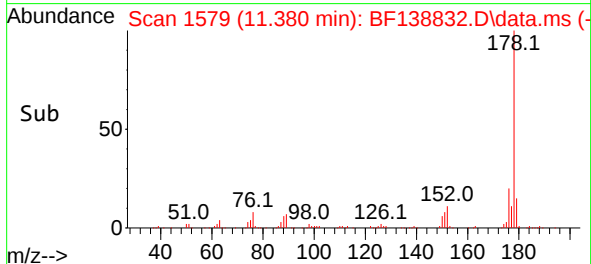
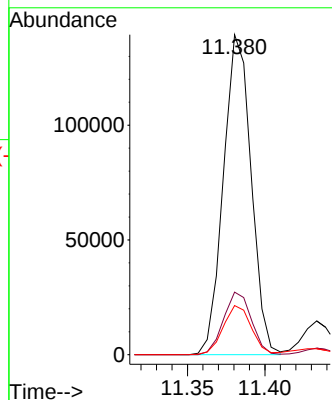
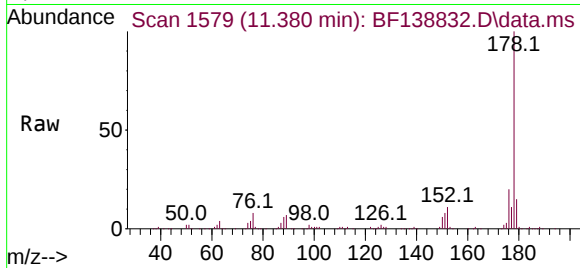




#71
Phenanthrene
Concen: 35.024 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

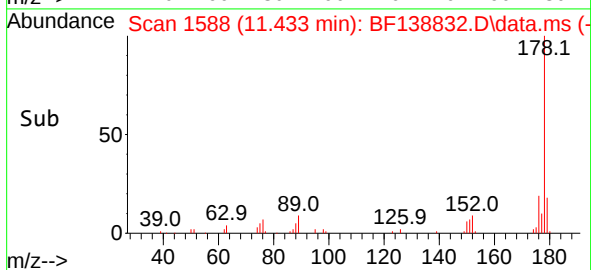
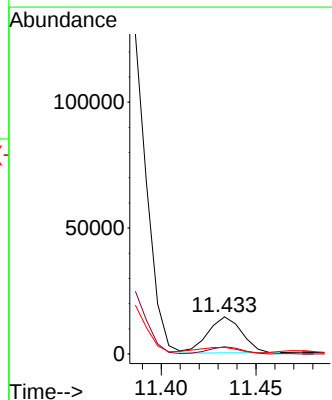
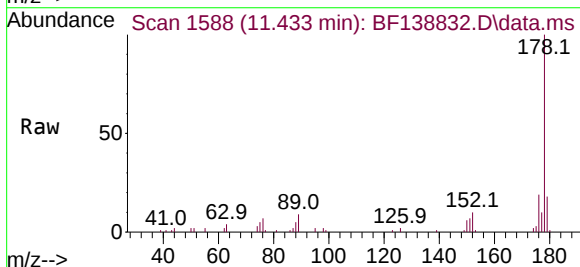
Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

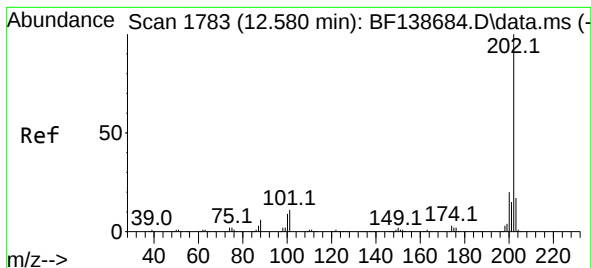
Tgt Ion:178 Resp: 173675
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.4 12.2 18.2



#72
Anthracene
Concen: 3.656 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Tgt Ion:178 Resp: 17858
Ion Ratio Lower Upper
178 100
176 19.3 14.9 22.3
179 17.7 12.4 18.6

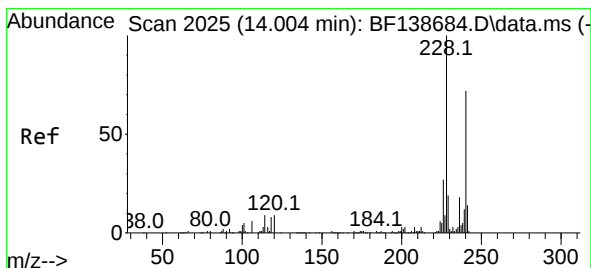
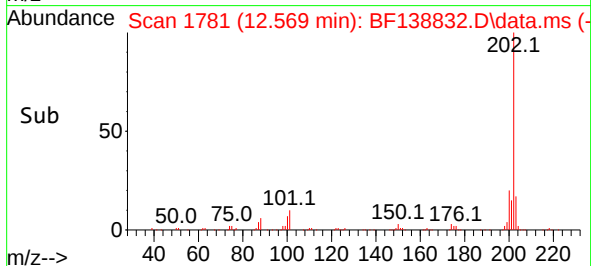
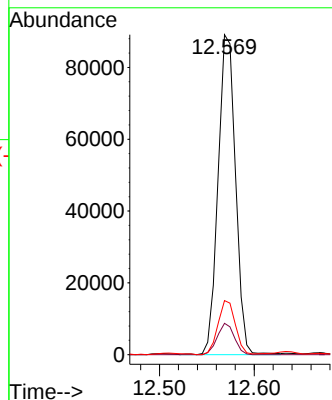
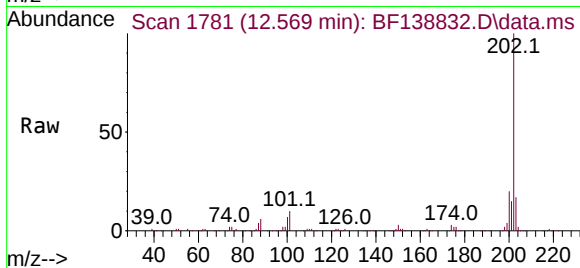




#75
Fluoranthene
Concen: 24.801 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

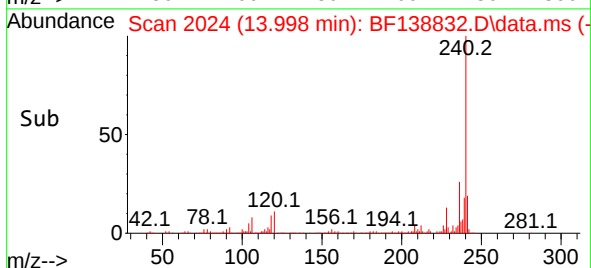
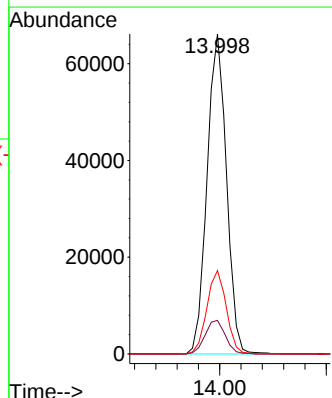
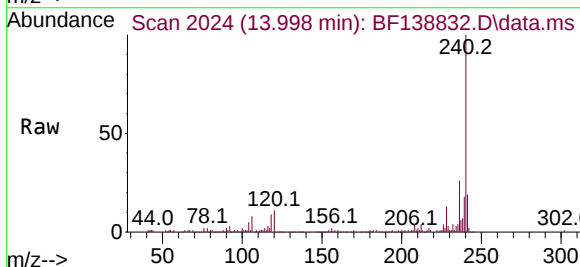
Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

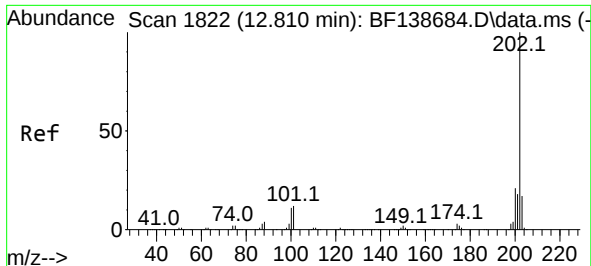
Tgt Ion:202 Resp: 114809
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.2
203 16.9 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Tgt Ion:240 Resp: 83753
Ion Ratio Lower Upper
240 100
120 10.5 10.2 15.4
236 26.0 19.8 29.8

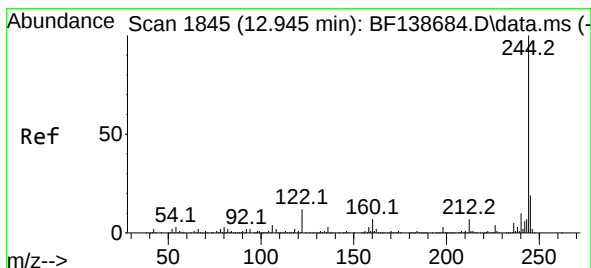
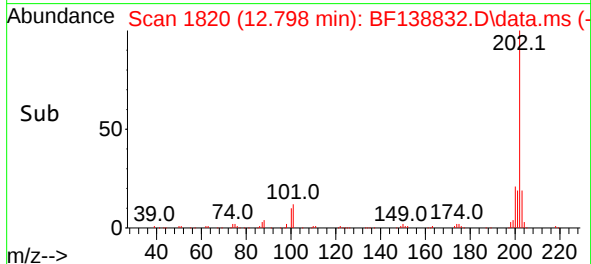
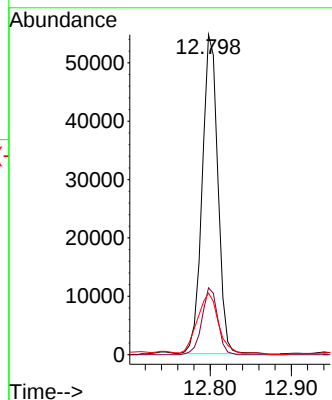
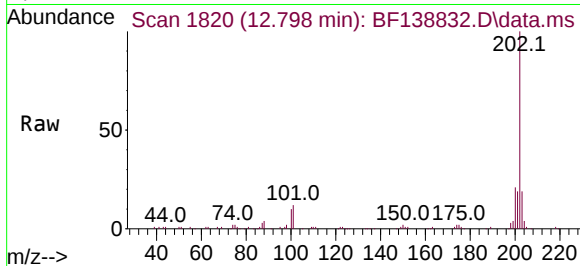




#78
Pyrene
Concen: 9.283 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

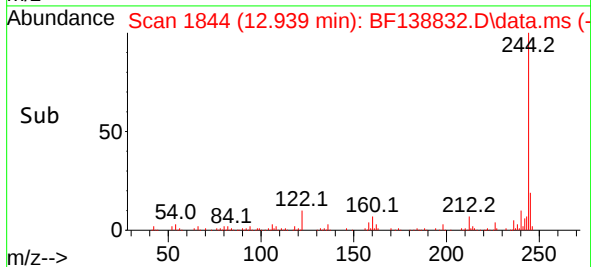
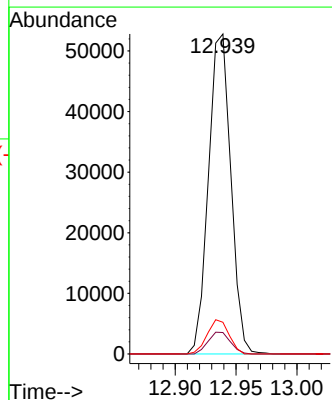
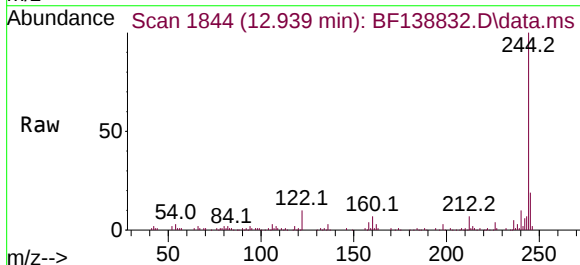
Instrument :
BNA_F
ClientSampleId :
VNJ-220DL

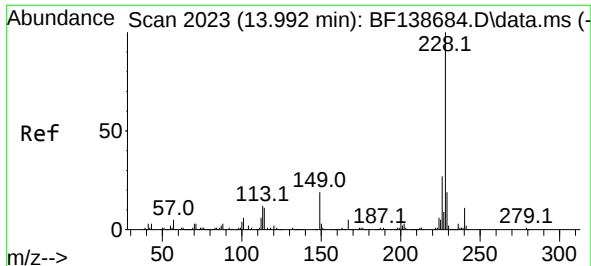
Tgt Ion:202 Resp: 73204
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 19.2 13.8 20.6



#79
Terphenyl-d14
Concen: 13.531 ng
RT: 12.939 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BF138832.D
Acq: 07 Aug 2024 04:42

Tgt Ion:244 Resp: 67688
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 9.9 9.6 14.4





#81

Benzo(a)anthracene

Concen: 4.020 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL

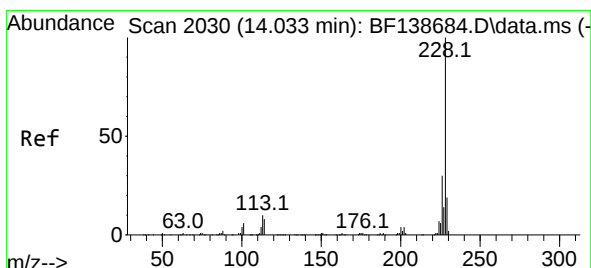
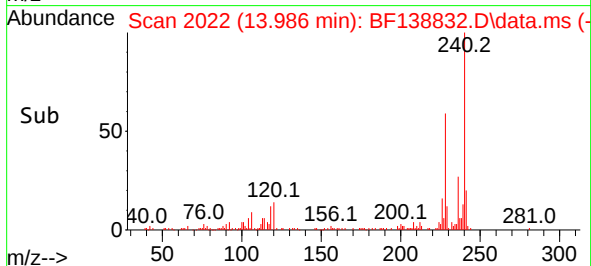
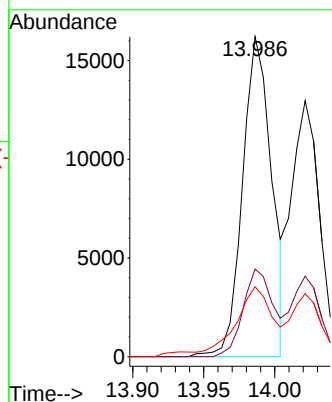
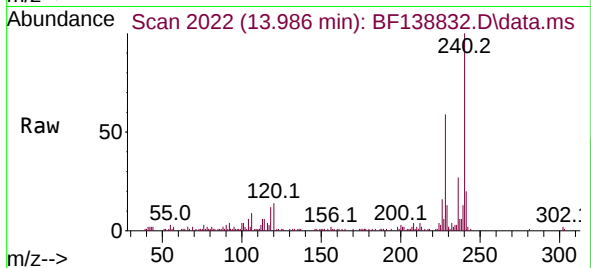
Tgt Ion:228 Resp: 23186

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

229 21.9 15.4 23.0



#83

Chrysene

Concen: 4.456 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.047 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

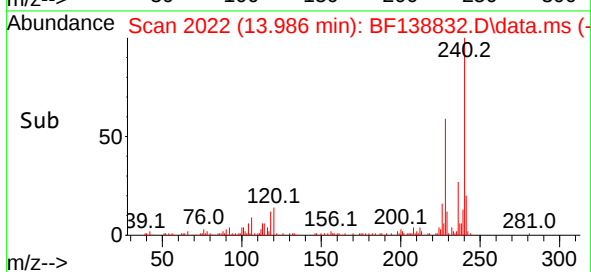
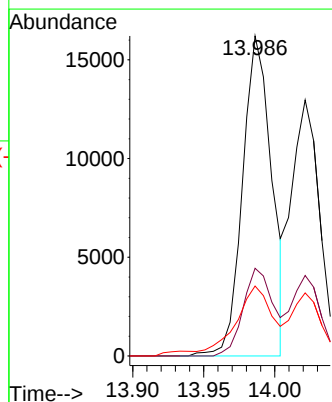
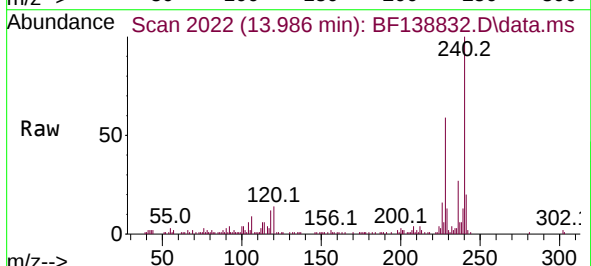
Tgt Ion:228 Resp: 23186

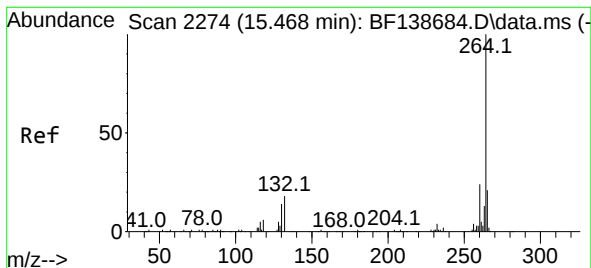
Ion Ratio Lower Upper

228 100

226 27.4 23.7 35.5

229 21.9 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL

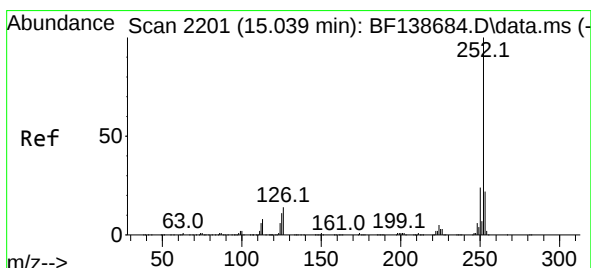
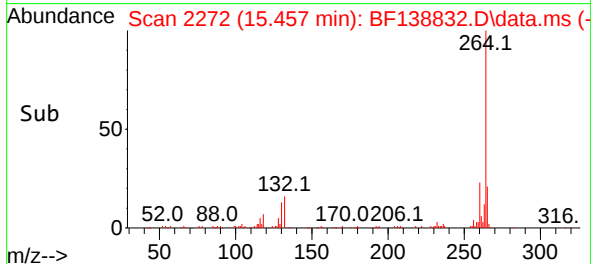
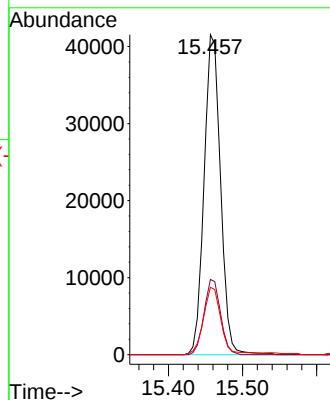
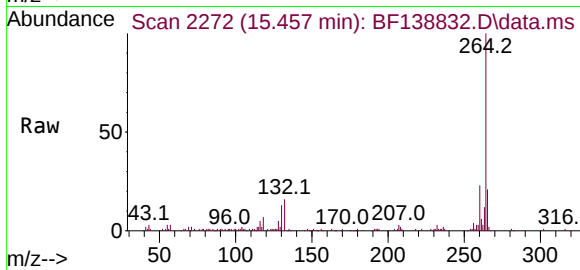
Tgt Ion:264 Resp: 64163

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.013 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF138832.D

Acq: 07 Aug 2024 04:42

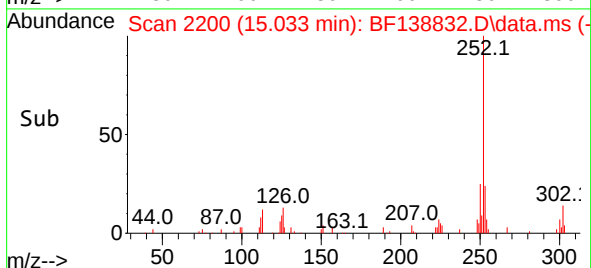
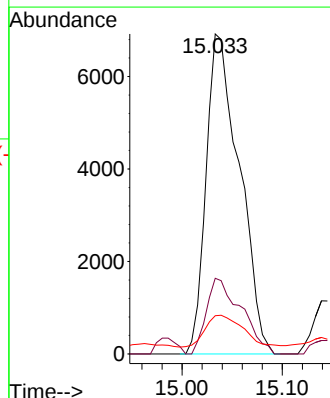
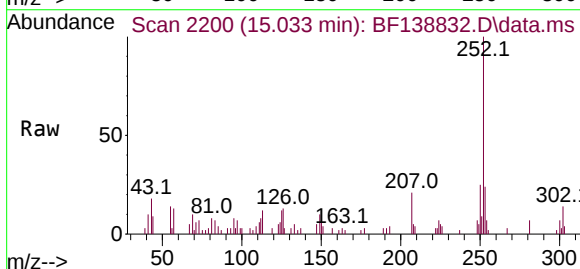
Tgt Ion:252 Resp: 15961

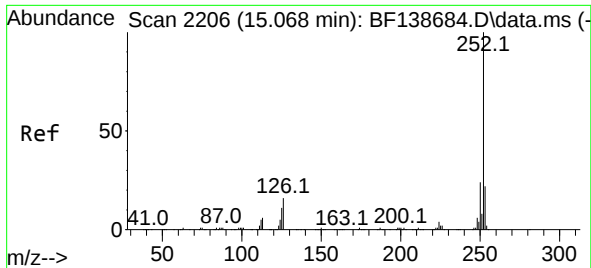
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 11.9 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 4.635 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138832.D

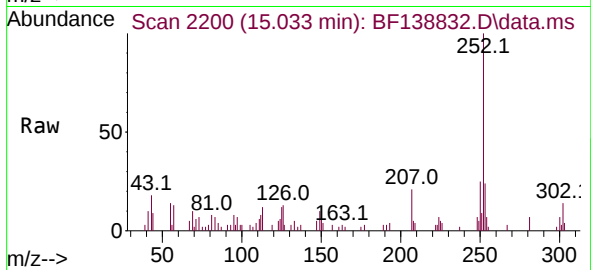
Acq: 07 Aug 2024 04:42

Instrument :

BNA_F

ClientSampleId :

VNJ-220DL



Tgt Ion:252 Resp: 15961

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 11.9 8.6 13.0

