

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071124\
 Data File : BF138535.D
 Acq On : 11 Jul 2024 21:23
 Operator : CG\JU
 Sample : P3208-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

Quant Time: Jul 12 01:14:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

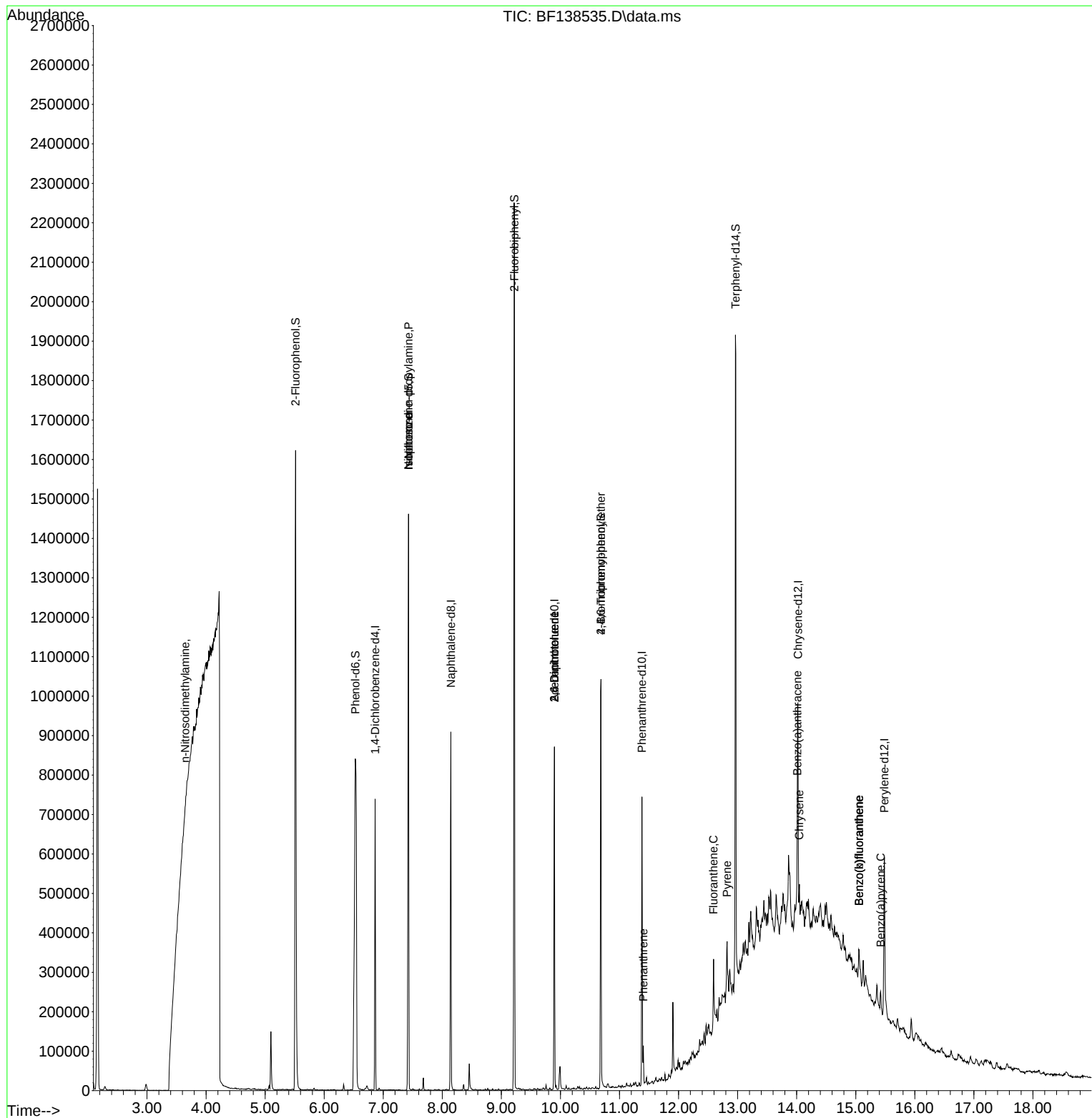
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	89569	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	349463	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	167446	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	237928	20.000	ng	0.00
76) Chrysene-d12	14.021	240	181182	20.000	ng	0.00
86) Perylene-d12	15.486	264	186132	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	515199	91.097	ng	0.02
7) Phenol-d6	6.528	99	674560	89.661	ng	0.02
23) Nitrobenzene-d5	7.428	82	424791	59.681	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	113622	72.604	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	706854	65.976	ng	0.00
79) Terphenyl-d14	12.968	244	552500	49.679	ng	0.00
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.645	42	157343	39.130	ng	# 1
19) n-Nitroso-di-n-propyla...	7.428	70	56274	12.105	ng	# 74
25) Isophorone	7.428	82	424786	34.752	ng	# 67
51) 2,6-Dinitrotoluene	9.898	165	21474	8.614	ng	# 24
57) 2,4-Dinitrotoluene	9.898	165	21474	6.657	ng	# 19
67) 4-Bromophenyl-phenylether	10.686	248	8070	3.300	ng	# 1
71) Phenanthrene	11.404	178	28696	2.387	ng	98
75) Fluoranthene	12.592	202	59458	4.848	ng	99
78) Pyrene	12.821	202	59032	3.210	ng	99
81) Benzo(a)anthracene	14.009	228	30271	2.490	ng	94
83) Chrysene	14.045	228	35432	3.081	ng	97
88) Benzo(b)fluoranthene	15.056	252	57758	5.510	ng	# 88
89) Benzo(k)fluoranthene	15.056	252	57758	5.650	ng	# 88
90) Benzo(a)pyrene	15.421	252	25202	2.737	ng	# 91

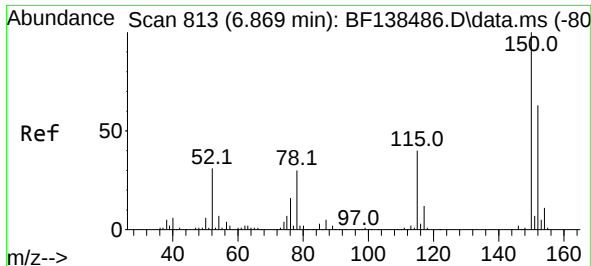
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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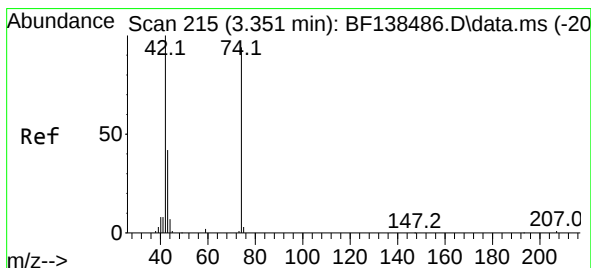
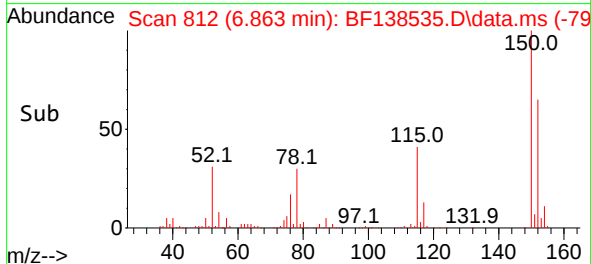
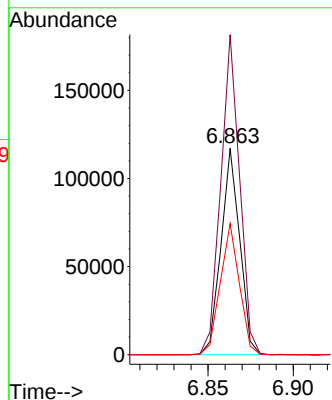
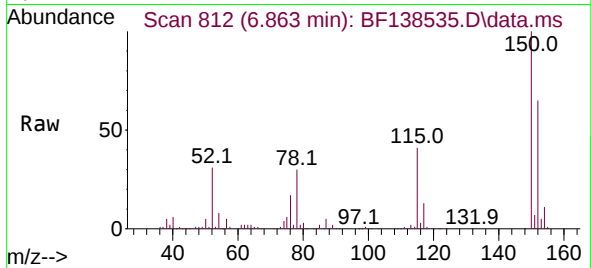




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

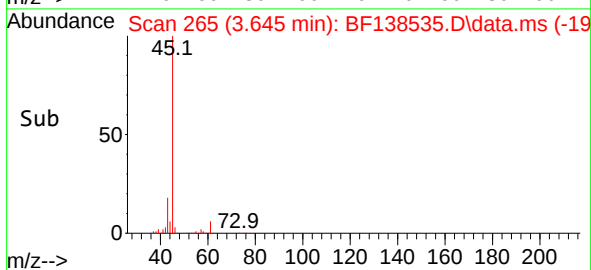
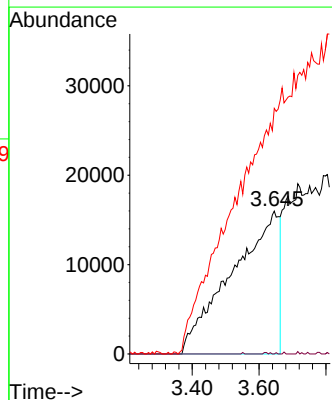
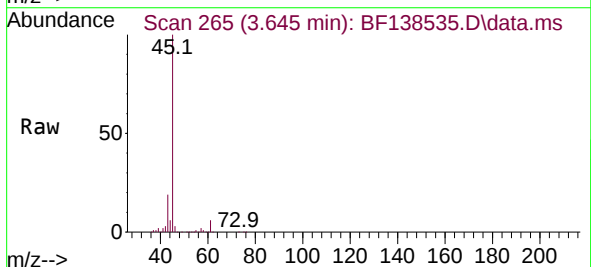
Instrument :
BNA_F
ClientSampleId :
VNJ-207

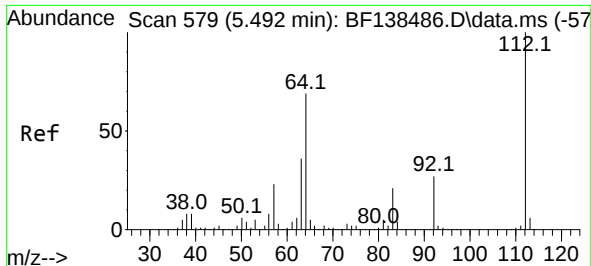
Tgt Ion:152 Resp: 89569
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.4
115 63.5 50.3 75.5



#4
n-Nitrosodimethylamine
Concen: 39.130 ng
RT: 3.645 min Scan# 265
Delta R.T. 0.294 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

Tgt Ion: 42 Resp: 157343
Ion Ratio Lower Upper
42 100
74 0.0 75.0 112.6#
44 171.9 5.4 8.2#

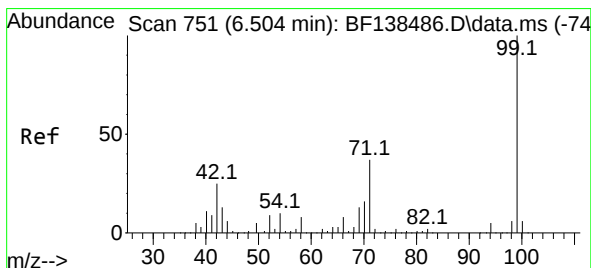
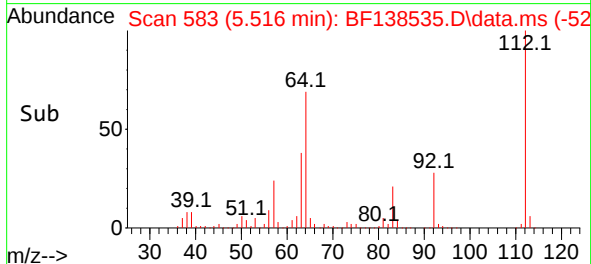
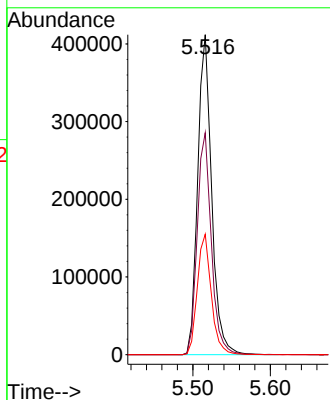
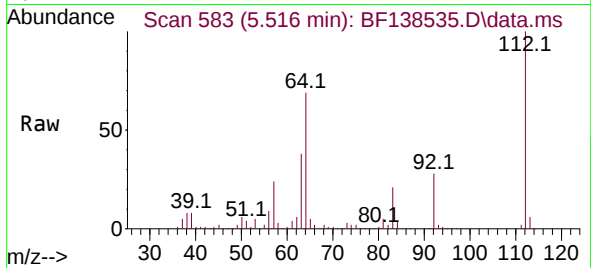




#5
2-Fluorophenol
Concen: 91.097 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.023 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

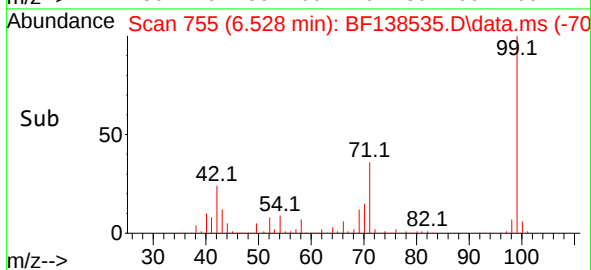
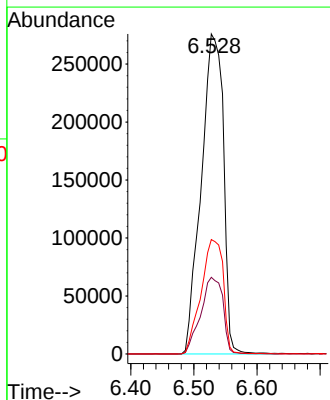
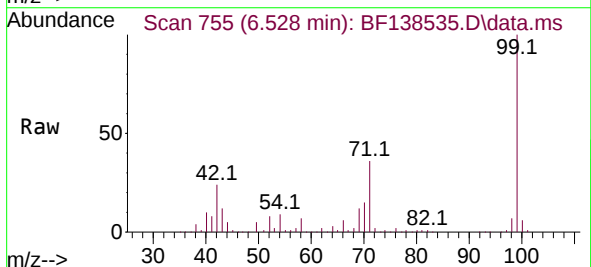
Instrument :
BNA_F
ClientSampleId :
VNJ-207

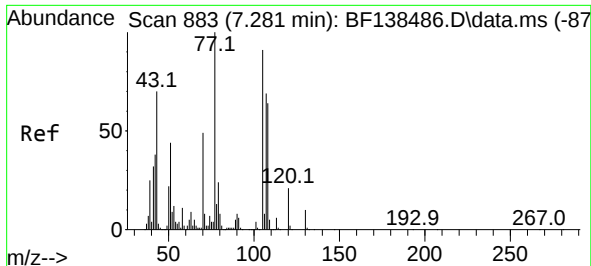
Tgt Ion:112 Resp: 515199
Ion Ratio Lower Upper
112 100
64 69.4 55.1 82.7
63 37.6 29.0 43.6



#7
Phenol-d6
Concen: 89.661 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.023 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

Tgt Ion: 99 Resp: 674560
Ion Ratio Lower Upper
99 100
42 24.0 19.7 29.5
71 35.7 29.9 44.9

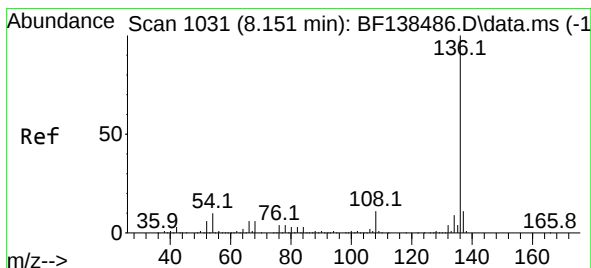
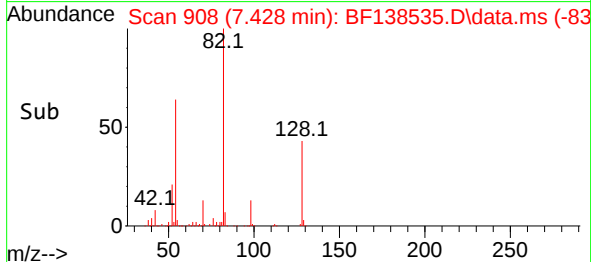
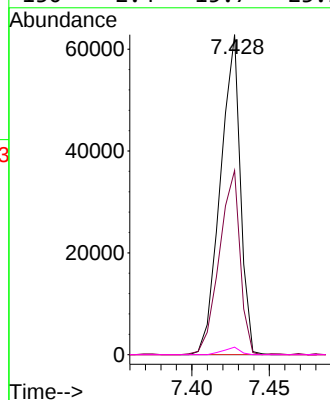
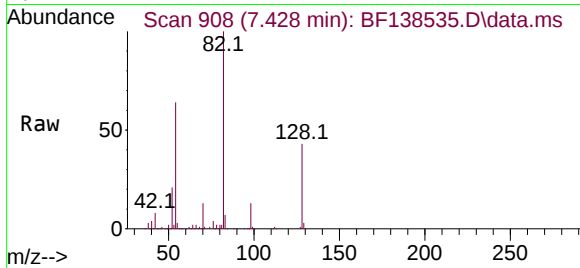




#19
n-Nitroso-di-n-propylamine
Concen: 12.105 ng
RT: 7.428 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

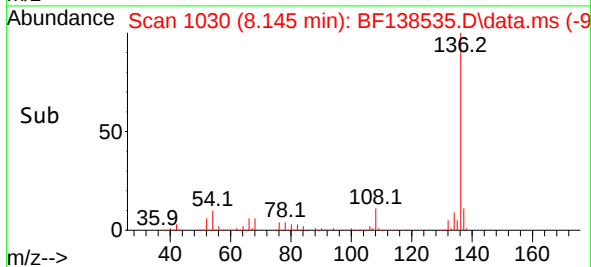
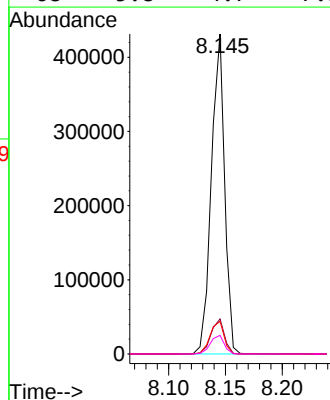
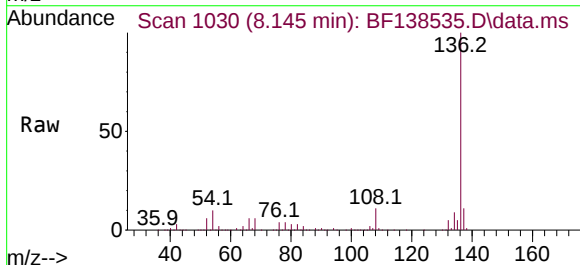
Instrument :
BNA_F
ClientSampleId :
VNJ-207

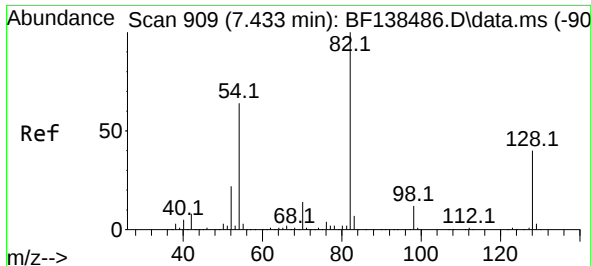
Tgt Ion: 70 Resp: 56274
Ion Ratio Lower Upper
70 100
42 57.6 62.4 93.6#
101 0.0 7.2 10.8#
130 2.4 15.7 23.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

Tgt Ion:136 Resp: 349463
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.2 8.1 12.1
68 5.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 59.681 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

Instrument :

BNA_F

ClientSampleId :

VNJ-207

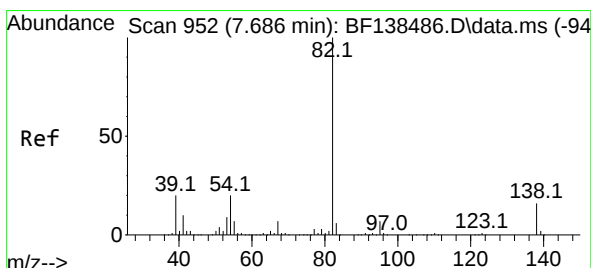
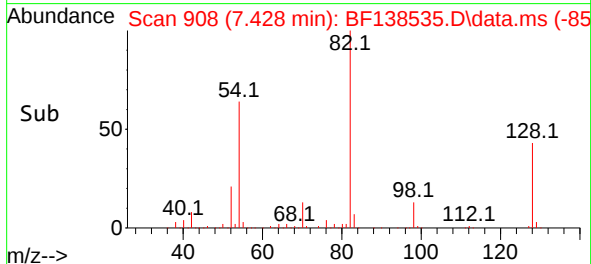
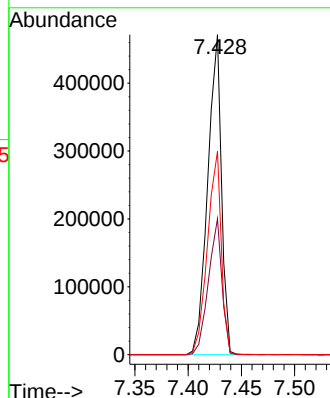
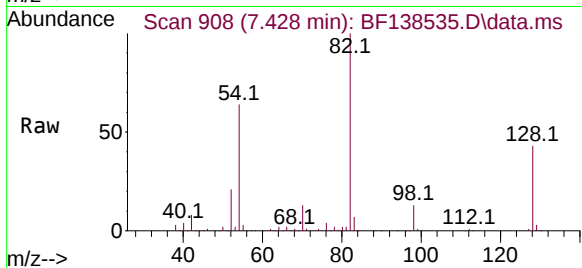
Tgt Ion: 82 Resp: 424791

Ion Ratio Lower Upper

82 100

128 42.5 32.3 48.5

54 63.5 51.4 77.0



#25

Isophorone

Concen: 34.752 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.259 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

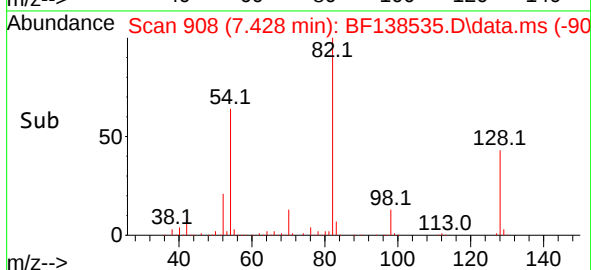
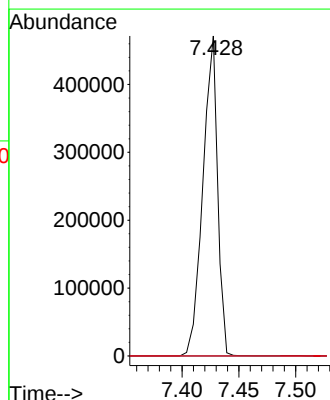
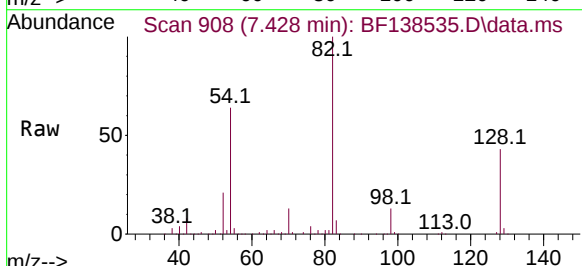
Tgt Ion: 82 Resp: 424786

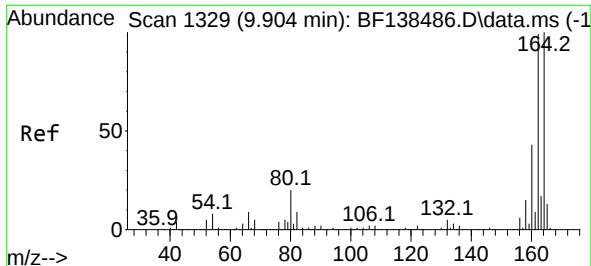
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 12.8 19.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

Instrument :

BNA_F

ClientSampleId :

VNJ-207

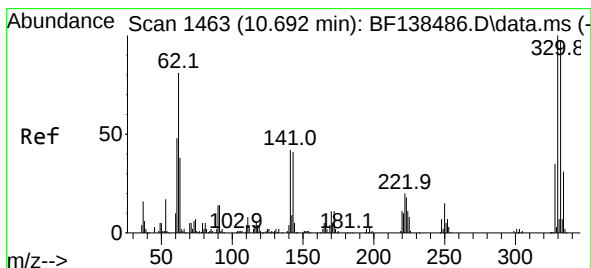
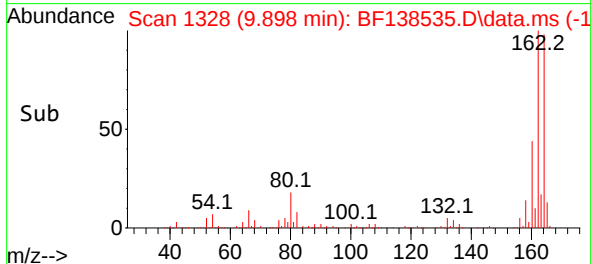
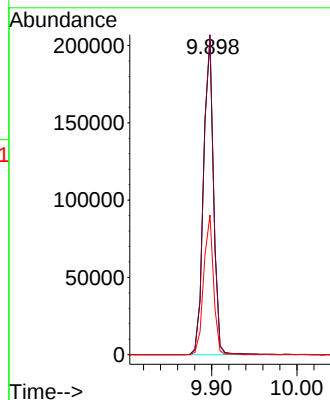
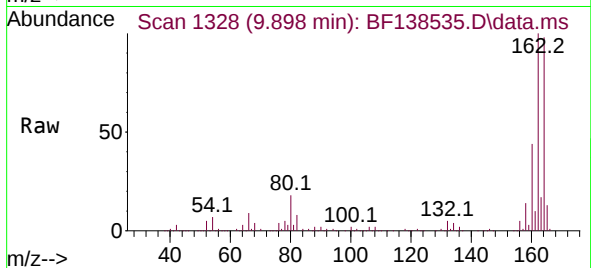
Tgt Ion:164 Resp: 167446

Ion Ratio Lower Upper

164 100

162 101.9 79.0 118.6

160 44.4 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 72.604 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

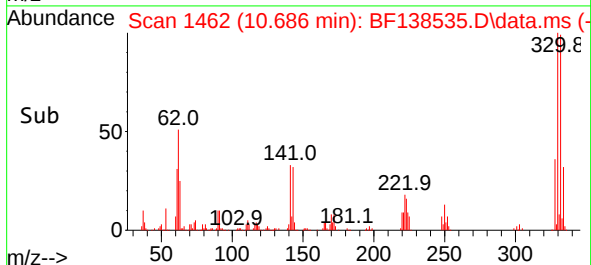
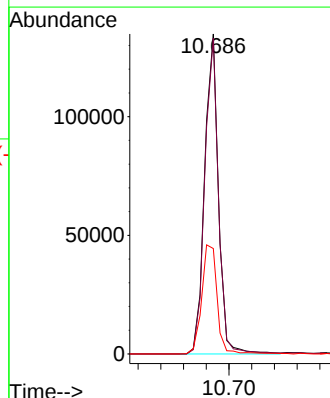
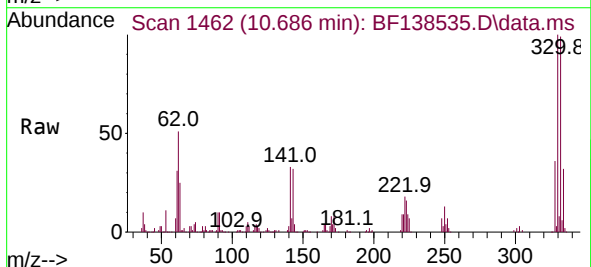
Tgt Ion:330 Resp: 113622

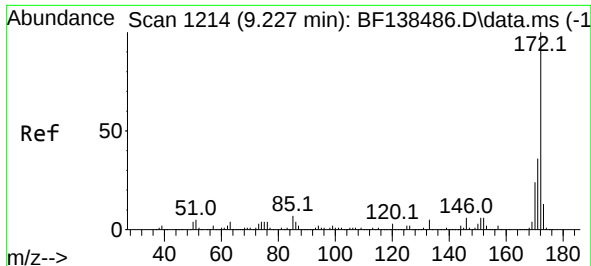
Ion Ratio Lower Upper

330 100

332 98.4 76.8 115.2

141 38.3 29.4 44.2





#45

2-Fluorobiphenyl

Concen: 65.976 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

Instrument :

BNA_F

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VNJ-207

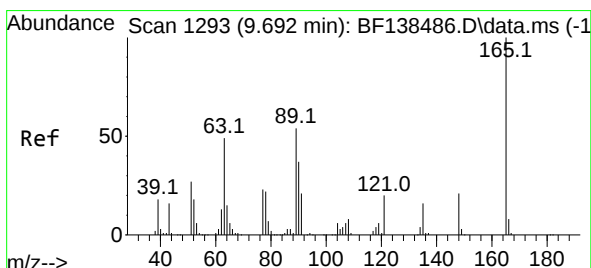
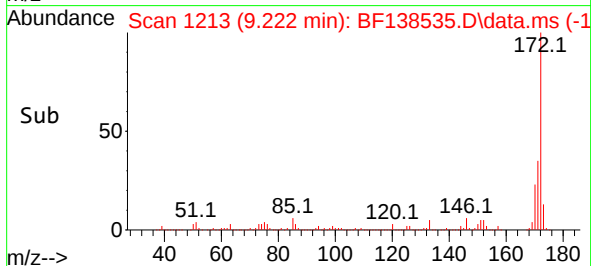
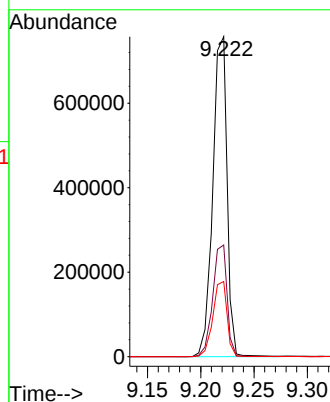
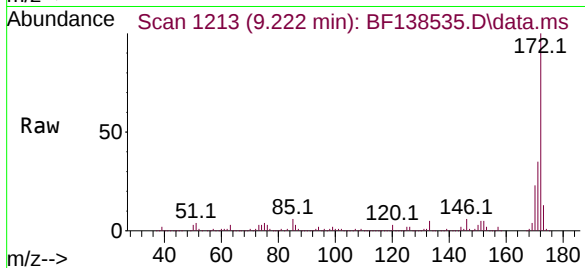
Tgt Ion:172 Resp: 706854

Ion Ratio Lower Upper

172 100

171 34.9 28.9 43.3

170 23.5 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.614 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.206 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

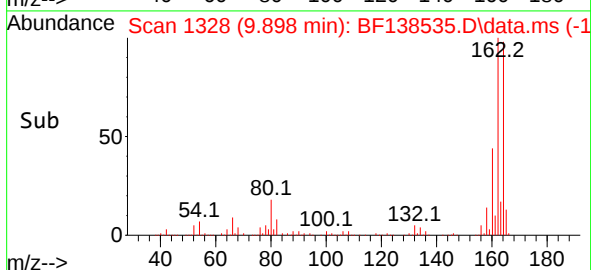
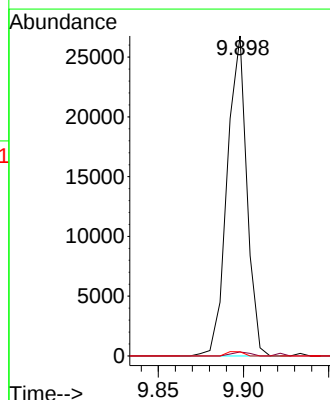
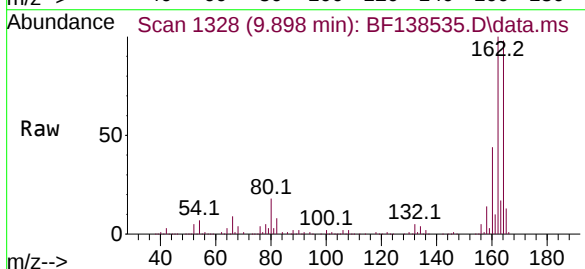
Tgt Ion:165 Resp: 21474

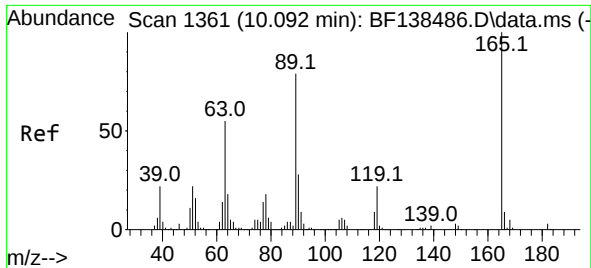
Ion Ratio Lower Upper

165 100

63 1.3 48.1 72.1#

89 1.3 43.0 64.6#

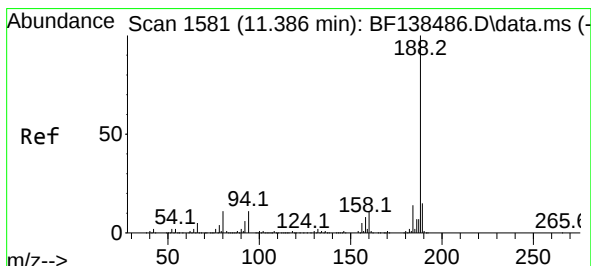
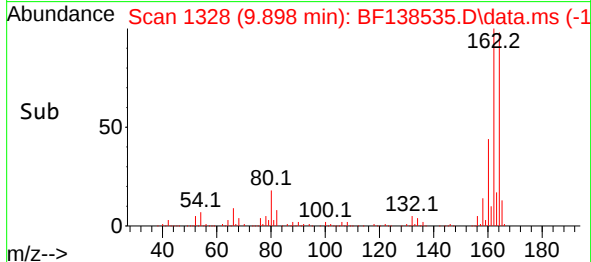
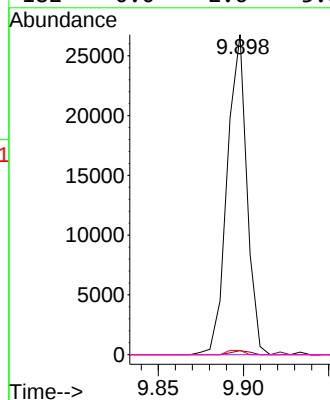
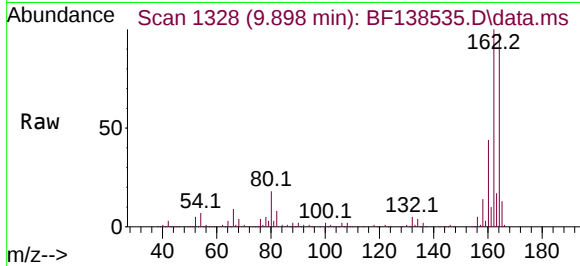




#57
2,4-Dinitrotoluene
Concen: 6.657 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

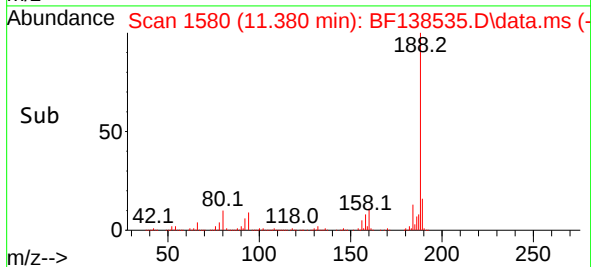
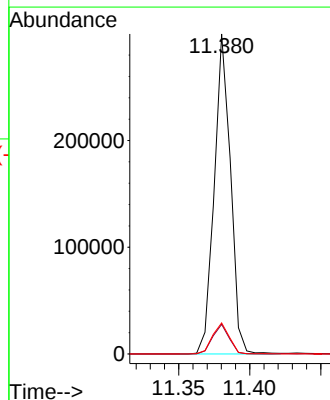
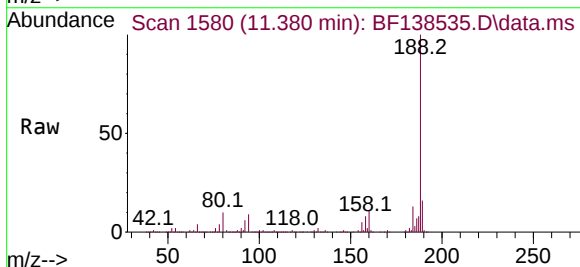
Instrument :
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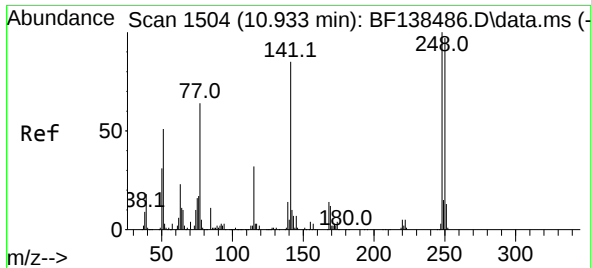
Tgt Ion:165 Resp: 21474
Ion Ratio Lower Upper
165 100
63 1.3 44.6 66.8#
89 1.3 63.4 95.2#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

Tgt Ion:188 Resp: 237928
Ion Ratio Lower Upper
188 100
94 9.2 8.7 13.1
80 9.7 9.0 13.4

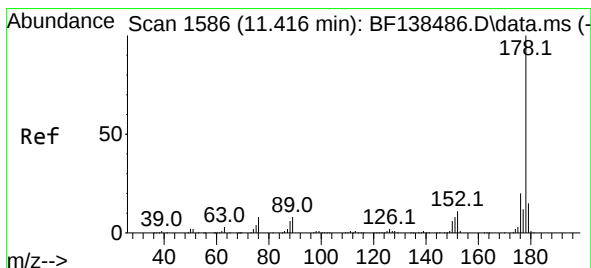
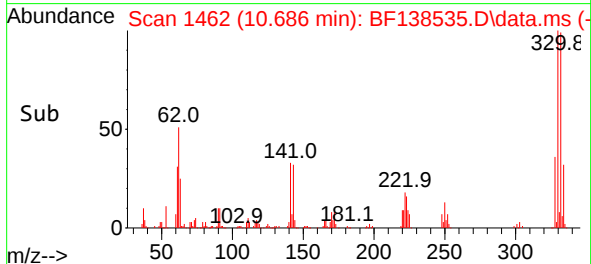
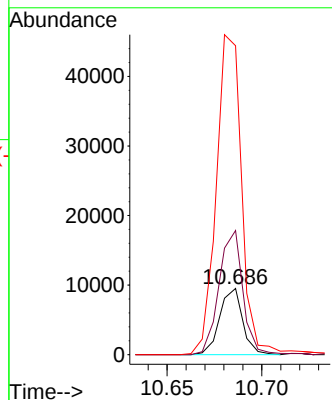
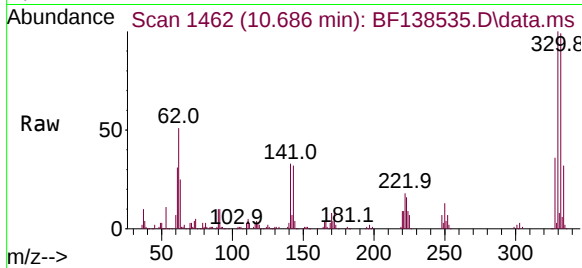




#67
4-Bromophenyl-phenylether
Concen: 3.300 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

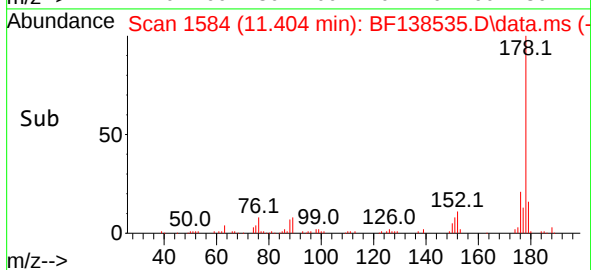
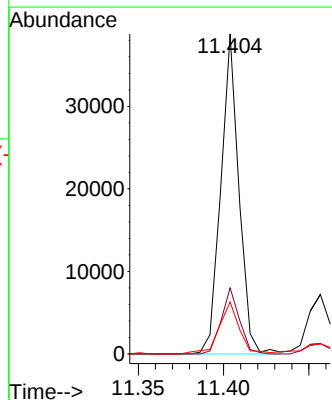
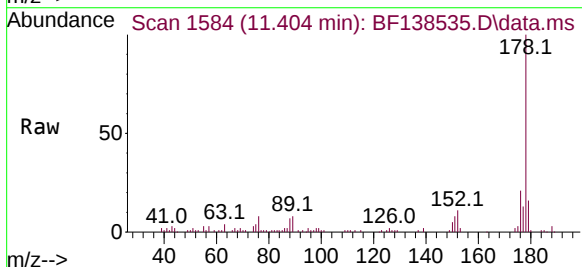
Instrument :
BNA_F
ClientSampleId :
VNJ-207

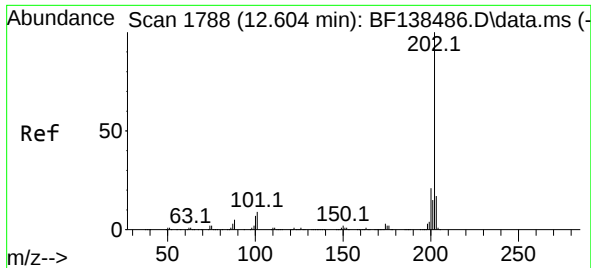
Tgt Ion:248 Resp: 8070
Ion Ratio Lower Upper
248 100
250 187.5 77.9 116.9#
141 466.8 67.7 101.5#



#71
Phenanthrene
Concen: 2.387 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

Tgt Ion:178 Resp: 28696
Ion Ratio Lower Upper
178 100
176 20.7 15.7 23.5
179 16.2 12.2 18.2

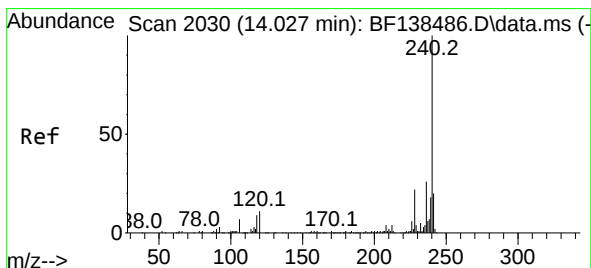
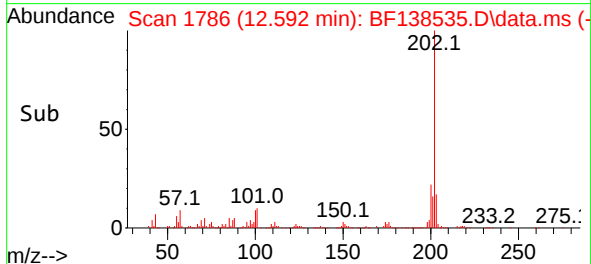
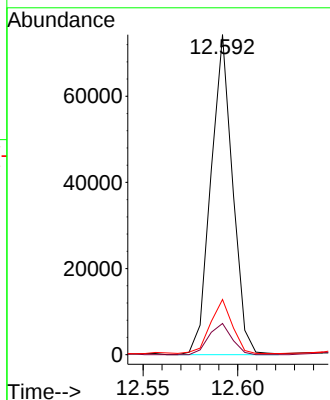
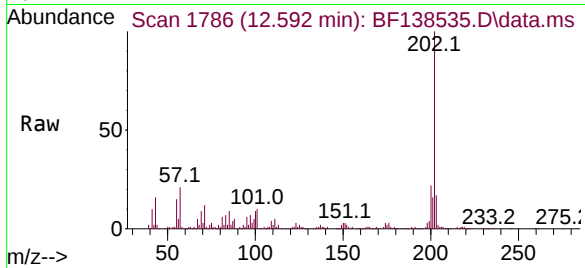




#75
Fluoranthene
Concen: 4.848 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

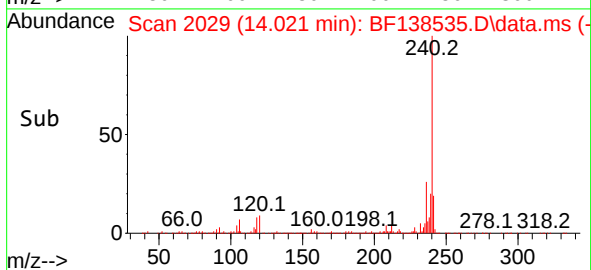
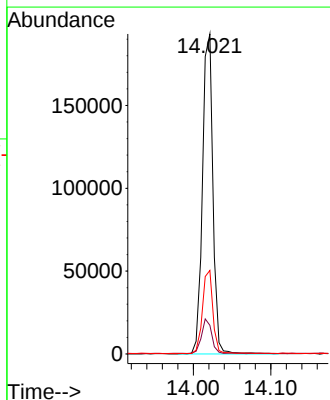
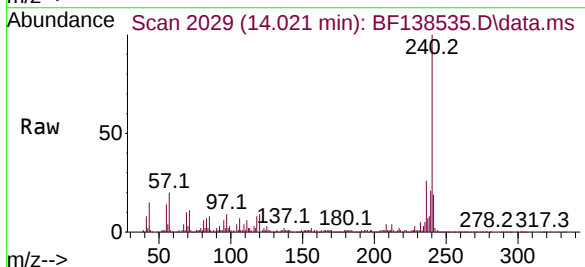
Instrument :
BNA_F
ClientSampleId :
VNJ-207

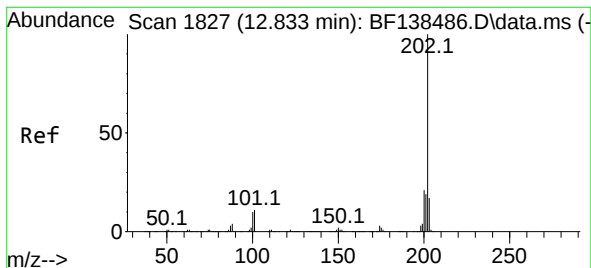
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.2
203	17.2	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138535.D
Acq: 11 Jul 2024 21:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.6	12.8
236	26.1	21.0	31.6





#78

Pyrene

Concen: 3.210 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

Instrument :

BNA_F

ClientSampleId :

VNJ-207

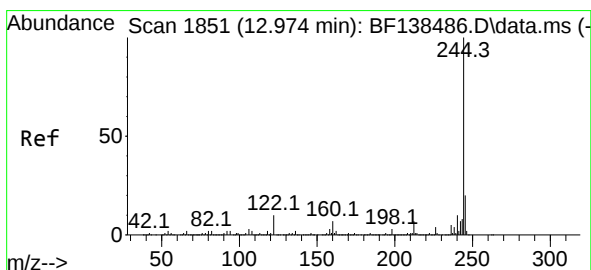
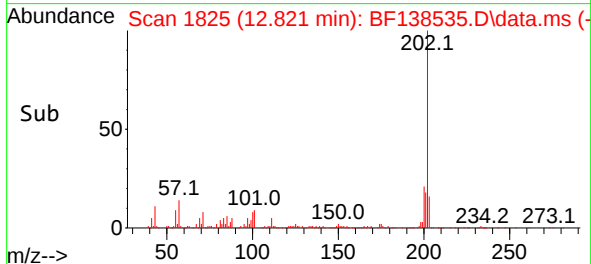
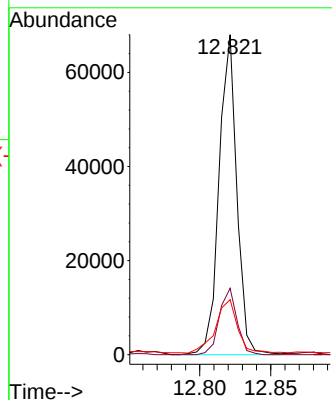
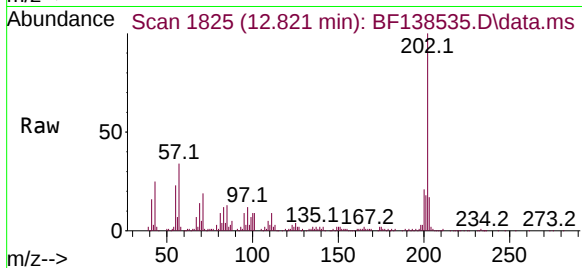
Tgt Ion:202 Resp: 59032

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

203 17.2 13.7 20.5



#79

Terphenyl-d14

Concen: 49.679 ng

RT: 12.968 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

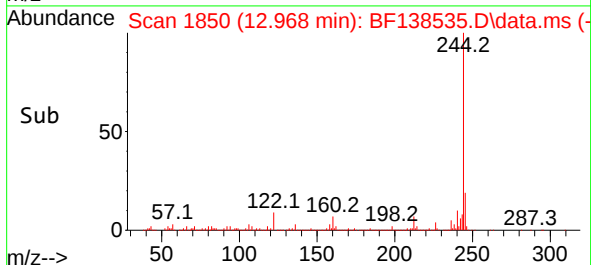
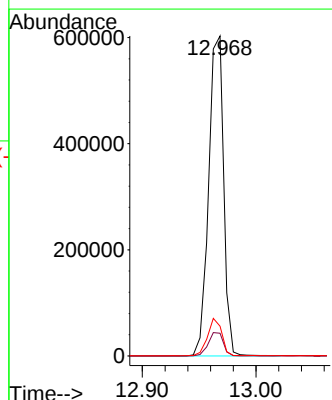
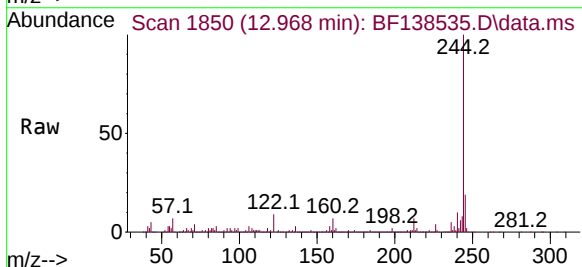
Tgt Ion:244 Resp: 552500

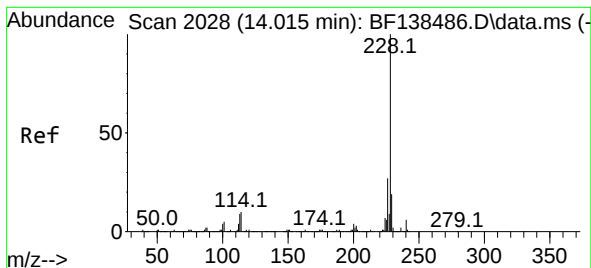
Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 9.3 7.8 11.8





#81

Benzo(a)anthracene

Concen: 2.490 ng

RT: 14.009 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

Instrument :

BNA_F

ClientSampleId :

VNJ-207

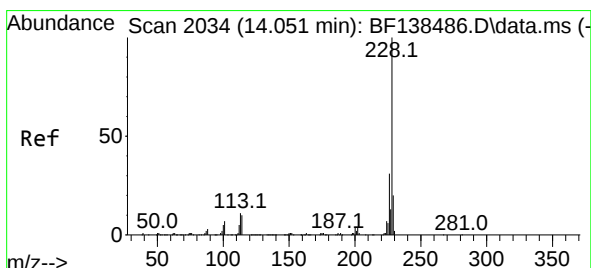
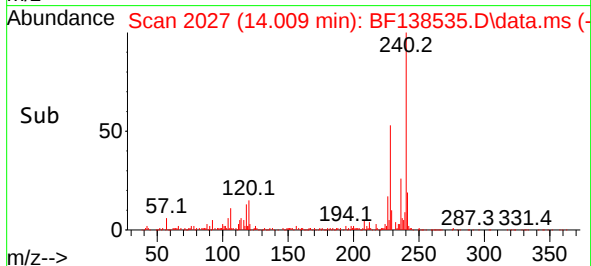
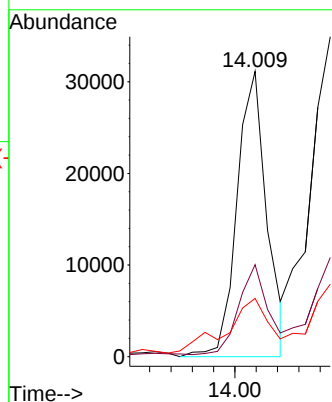
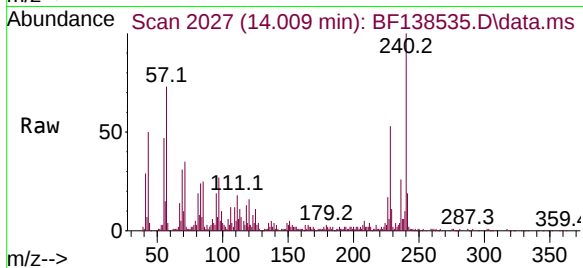
Tgt Ion:228 Resp: 30271

Ion Ratio Lower Upper

228 100

226 32.3 21.9 32.9

229 20.4 15.5 23.3



#83

Chrysene

Concen: 3.081 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

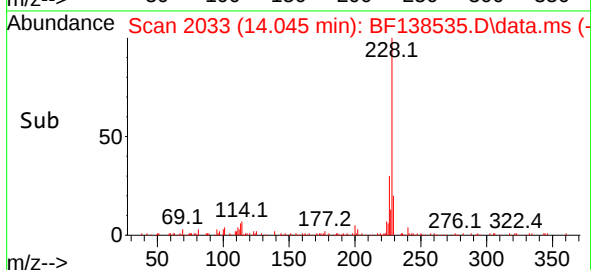
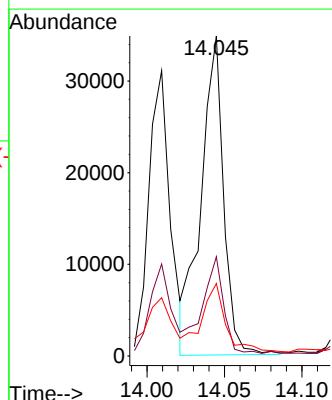
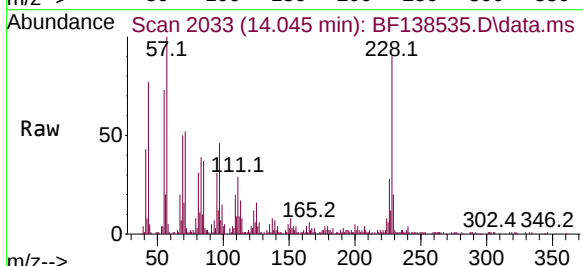
Tgt Ion:228 Resp: 35432

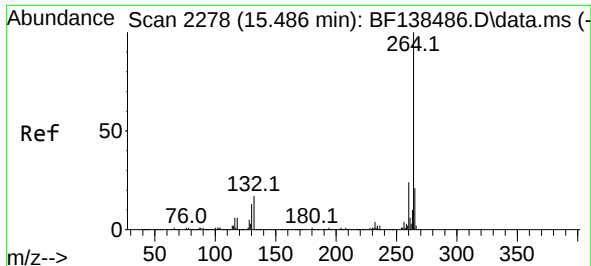
Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

229 22.7 16.0 24.0

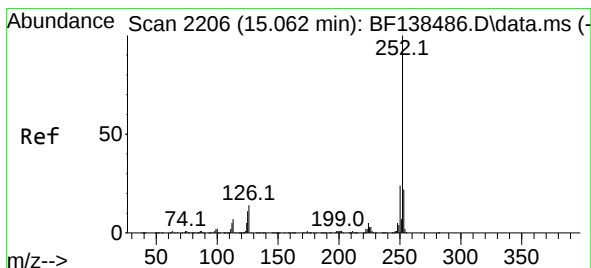
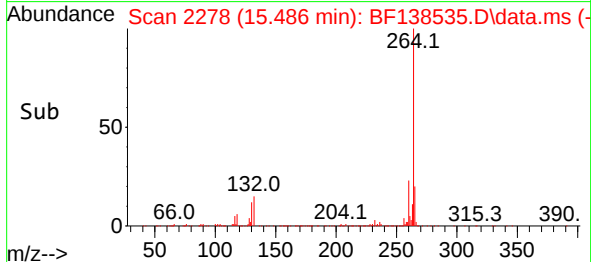
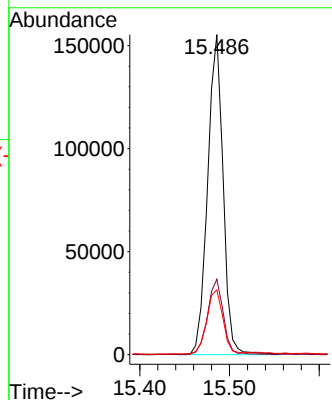
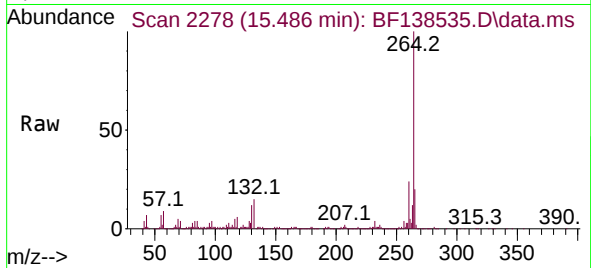




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.486 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF138535.D
 Acq: 11 Jul 2024 21:23

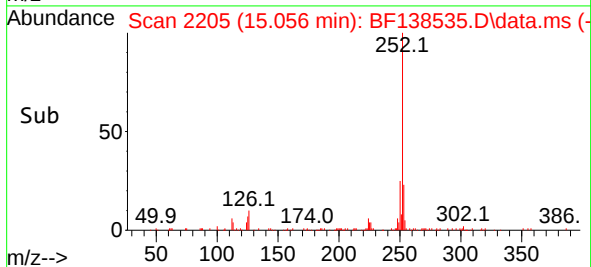
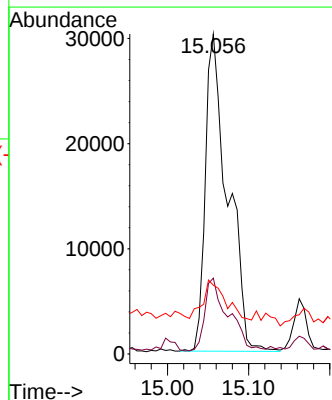
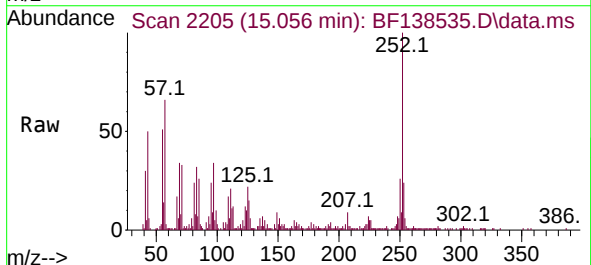
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

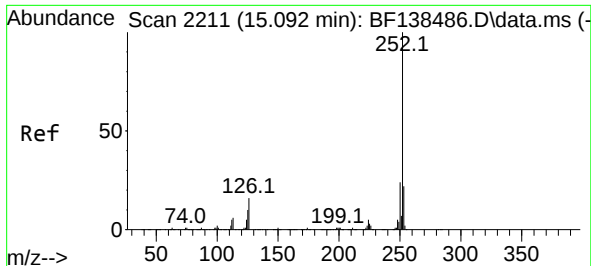
Tgt Ion:264 Resp: 186132
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 20.2 17.0 25.4



#88
 Benzo(b)fluoranthene
 Concen: 5.510 ng
 RT: 15.056 min Scan# 2205
 Delta R.T. -0.006 min
 Lab File: BF138535.D
 Acq: 11 Jul 2024 21:23

Tgt Ion:252 Resp: 57758
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.3 25.9
 125 21.5 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 5.650 ng

RT: 15.056 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

Instrument :

BNA_F

ClientSampleId :

VNJ-207

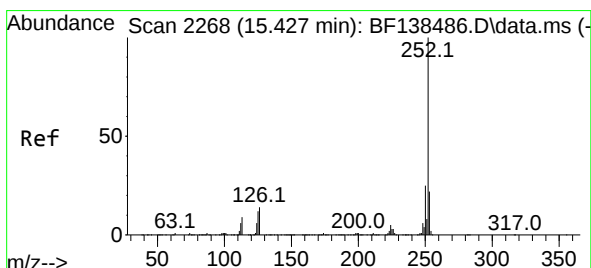
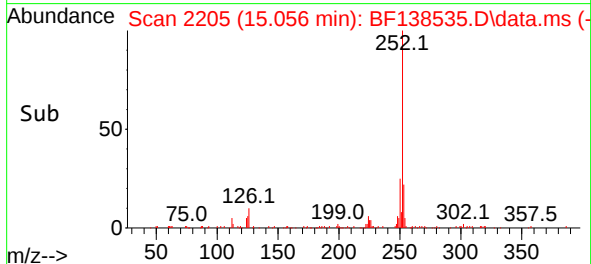
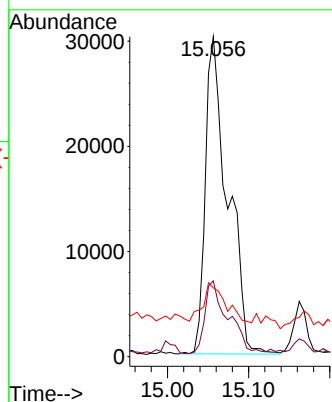
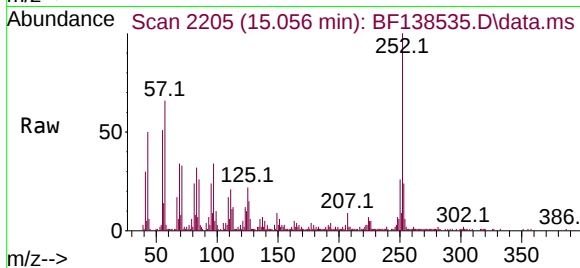
Tgt Ion:252 Resp: 57758

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 21.5 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 2.737 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.006 min

Lab File: BF138535.D

Acq: 11 Jul 2024 21:23

Tgt Ion:252 Resp: 25202

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 21.4 9.4 14.2#

