

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
 Data File : BF138255.D
 Acq On : 19 Jun 2024 19:58
 Operator : CG\JU
 Sample : P2955-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VK-1

Quant Time: Jun 20 01:11:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

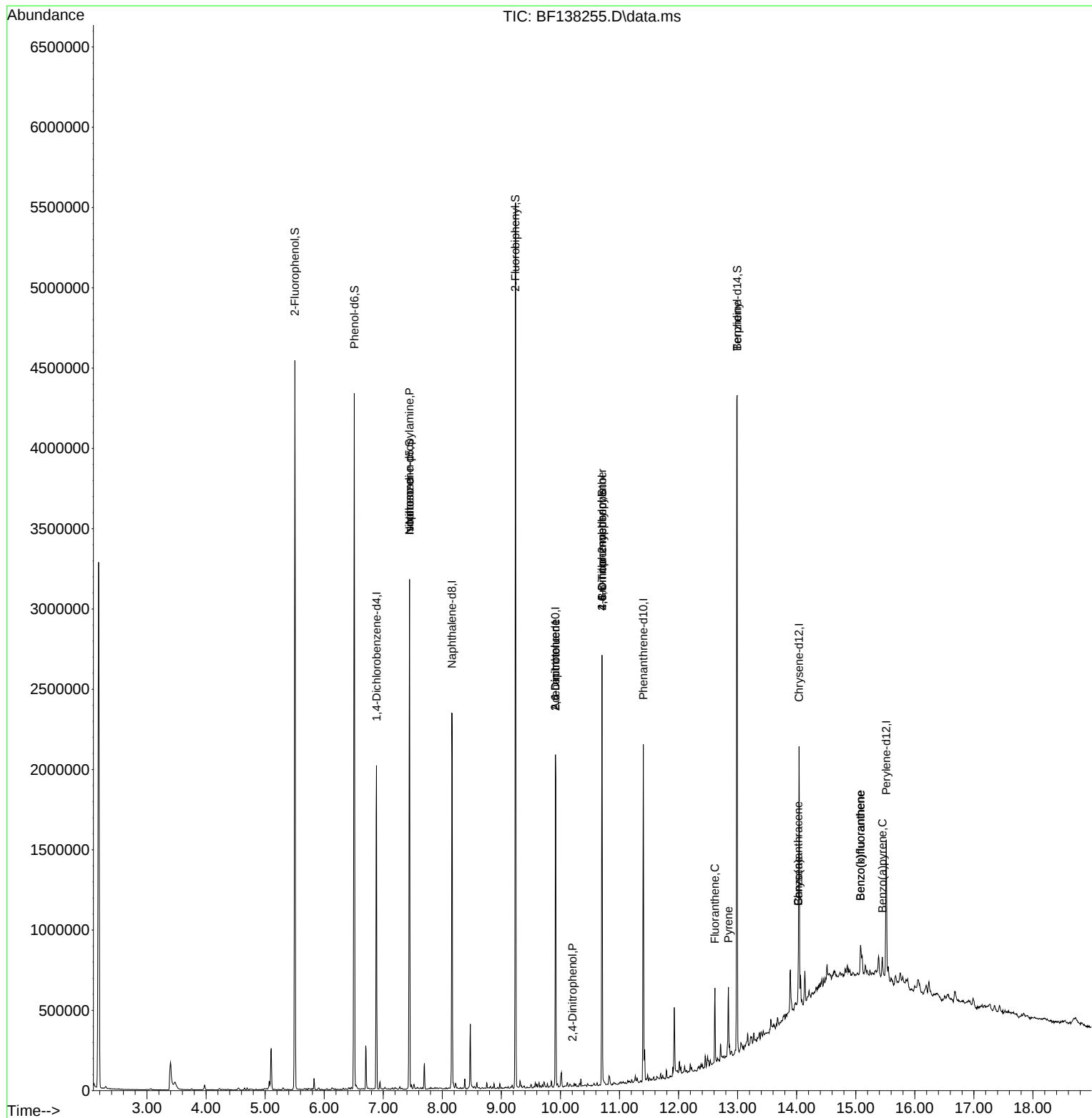
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	294041	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1010708	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	431408	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	697325	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	480283	20.000	ng	-0.01
86) Perylene-d12	15.515	264	404761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1294606	73.651	ng	0.00
7) Phenol-d6	6.510	99	1525684	68.450	ng	-0.01
23) Nitrobenzene-d5	7.445	82	922033	53.109	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	299871	69.823	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1518154	55.958	ng	-0.01
79) Terphenyl-d14	12.992	244	1507324	49.707	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	120880	9.149	ng	# 78
25) Isophorone	7.445	82	919963	29.295	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	57075	9.953	ng	# 25
54) 2,4-Dinitrophenol	10.204	184	201	4.299	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	57075	8.070	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	754	7.116	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	19179	2.441	ng	# 1
75) Fluoranthene	12.616	202	168418	4.789	ng	98
77) Benzidine	12.992	184	18496	3.329	ng	97
78) Pyrene	12.845	202	168543	4.068	ng	97
81) Benzo(a)anthracene	14.027	228	83777	2.719	ng	97
83) Chrysene	14.027	228	83777	2.852	ng	95
88) Benzo(b)fluoranthene	15.080	252	137120	5.745	ng	# 82
89) Benzo(k)fluoranthene	15.080	252	137120	5.862	ng	# 83
90) Benzo(a)pyrene	15.451	252	61976	3.022	ng	# 88

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

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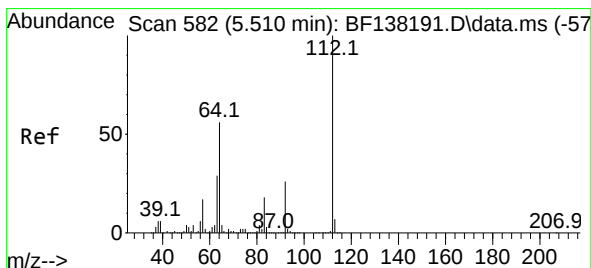
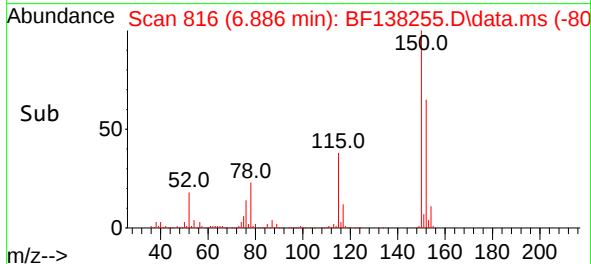
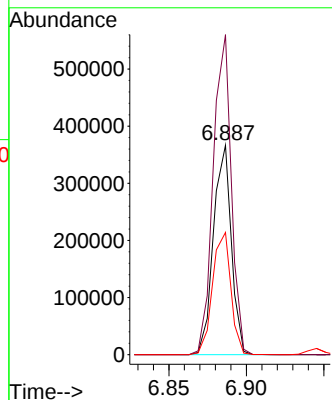
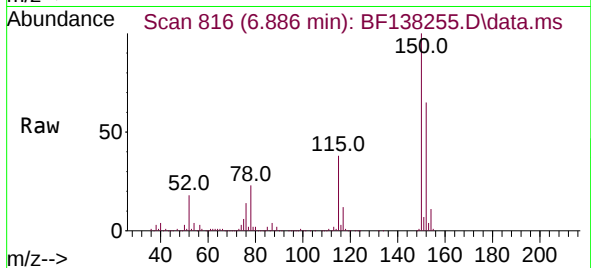




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

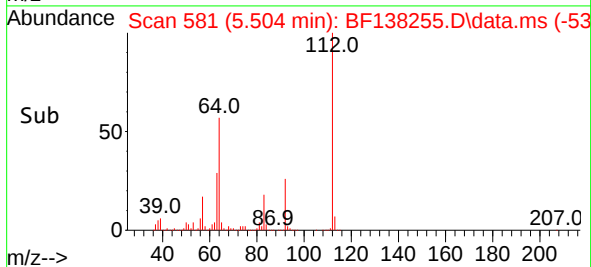
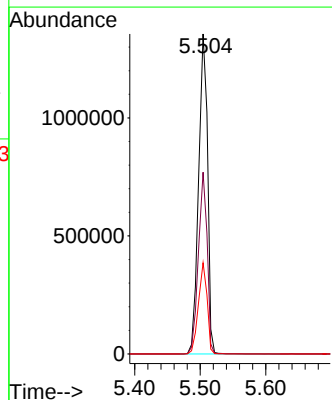
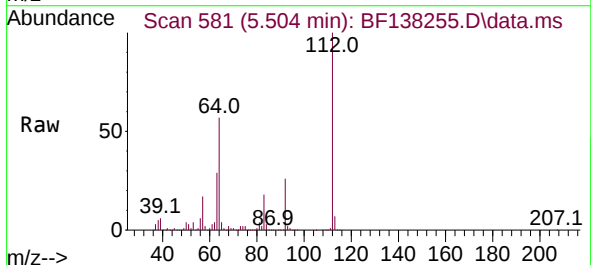
Instrument :
BNA_F
ClientSampleId :
VK-1

Tgt Ion:152 Resp: 294041
Ion Ratio Lower Upper
152 100
150 152.8 125.0 187.4
115 58.4 48.4 72.6



#5
2-Fluorophenol
Concen: 73.651 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

Tgt Ion:112 Resp: 1294606
Ion Ratio Lower Upper
112 100
64 56.8 45.2 67.8
63 28.5 22.9 34.3





#7

Phenol-d6

Concen: 68.450 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

Instrument :

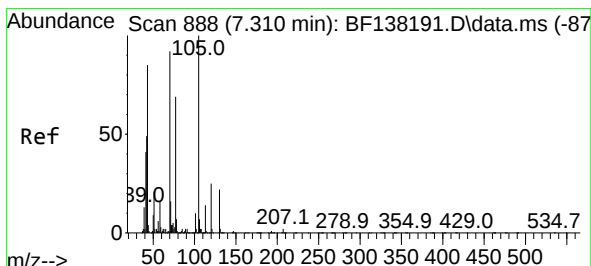
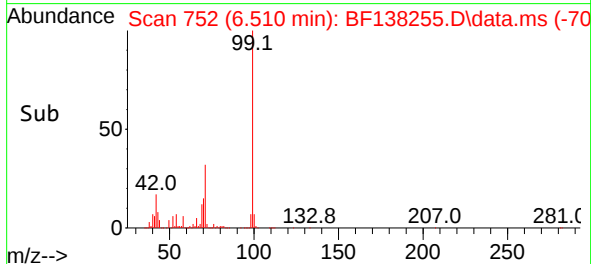
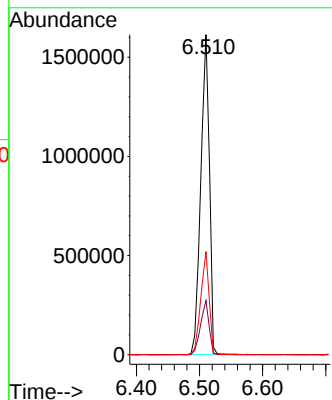
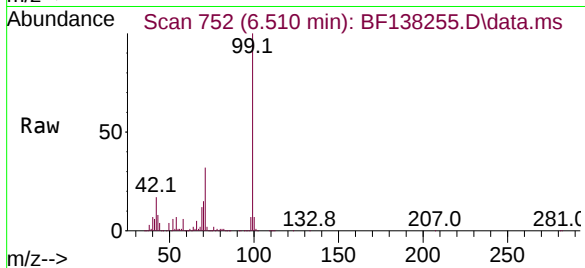
BNA_F

ClientSampleId :

VK-1

Tgt Ion: 99 Resp: 1525684

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.7	20.5
71	32.2	25.0	37.6



#19

n-Nitroso-di-n-propylamine

Concen: 9.149 ng

RT: 7.445 min Scan# 911

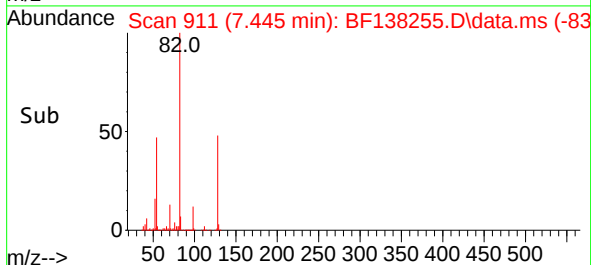
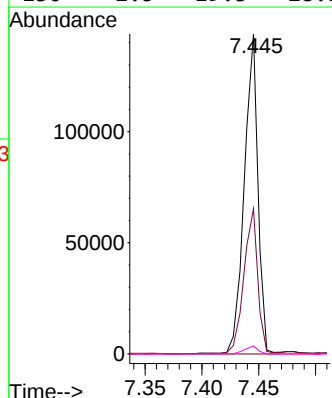
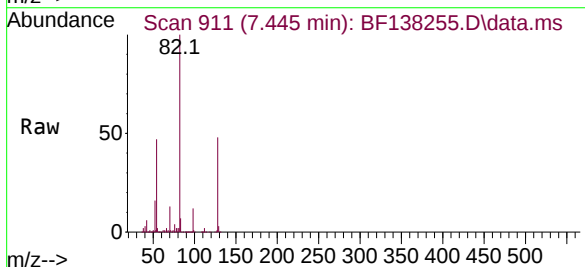
Delta R.T. 0.135 min

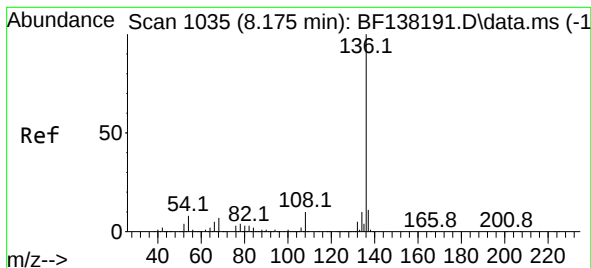
Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

Tgt Ion: 70 Resp: 120880

Ion	Ratio	Lower	Upper
70	100		
42	45.4	42.8	64.2
101	0.0	8.4	12.6#
130	2.5	19.3	28.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

Instrument :

BNA_F

ClientSampleId :

VK-1

Tgt Ion:136 Resp: 1010708

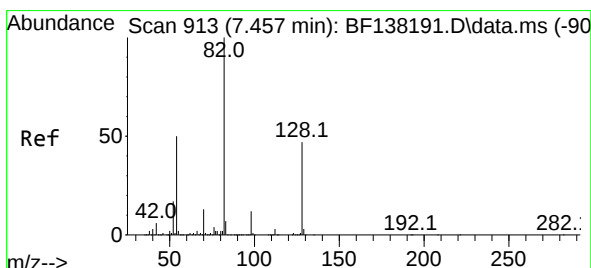
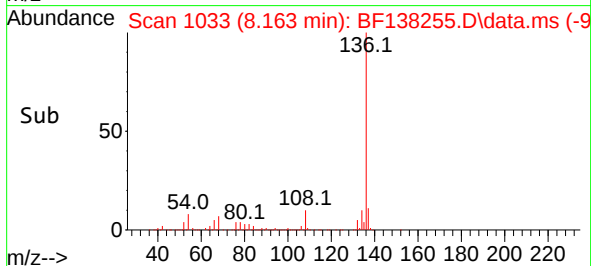
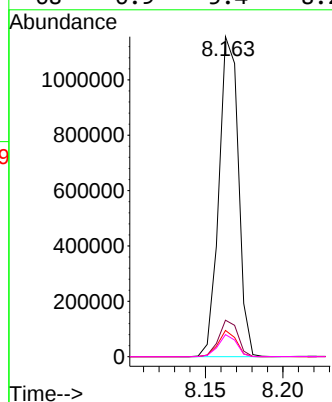
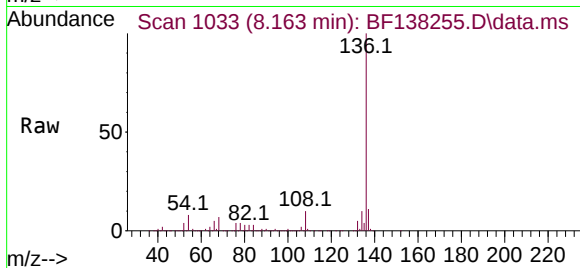
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.2 6.6 10.0

68 6.9 5.4 8.2



#23

Nitrobenzene-d5

Concen: 53.109 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

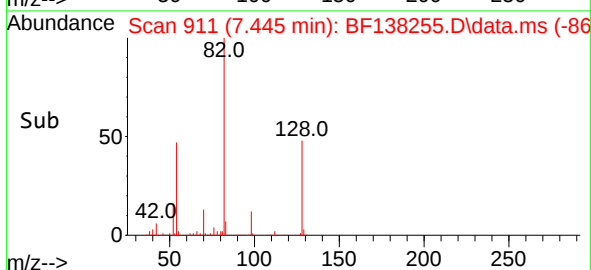
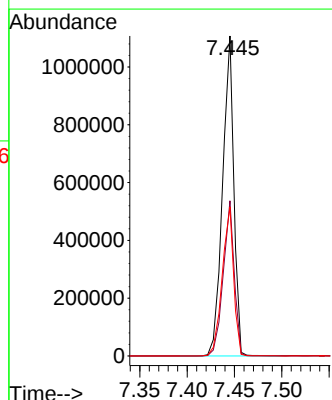
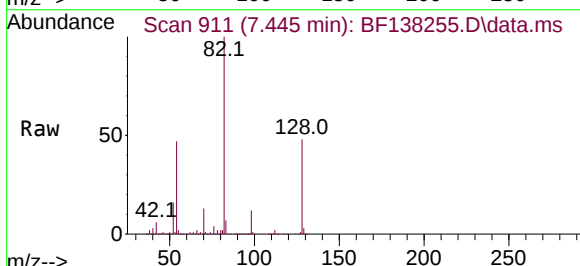
Tgt Ion: 82 Resp: 922033

Ion Ratio Lower Upper

82 100

128 48.5 37.2 55.8

54 46.6 39.8 59.6

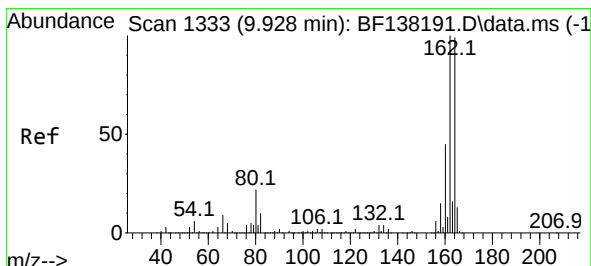
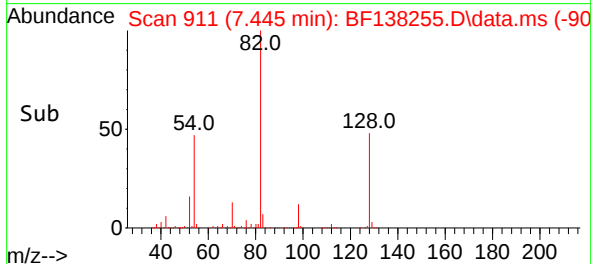
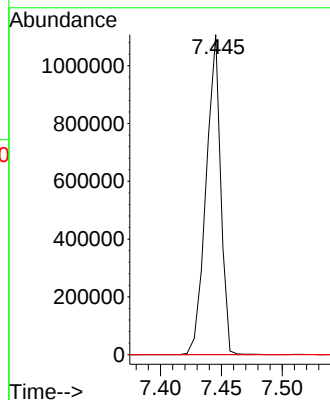
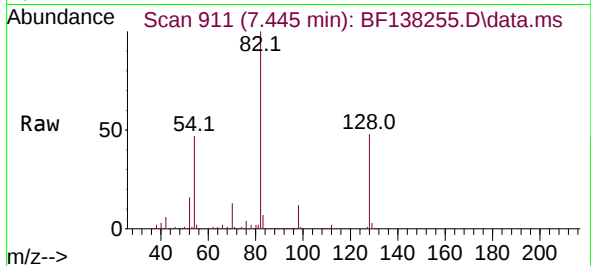




#25
Isophorone
Concen: 29.295 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

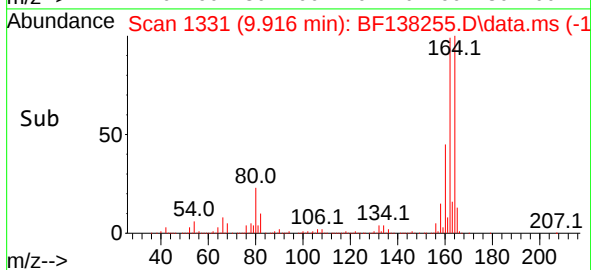
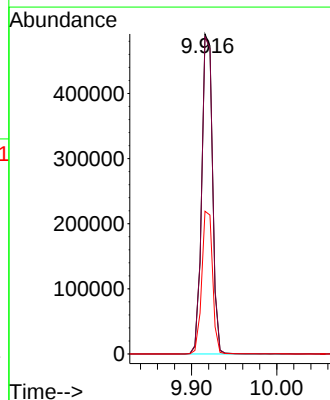
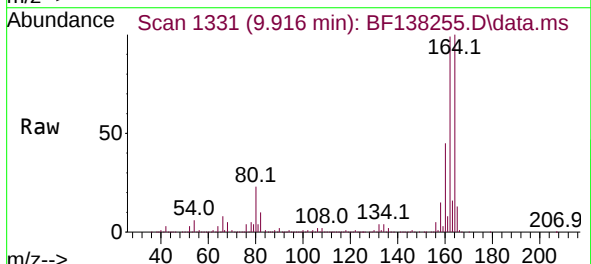
Instrument :
BNA_F
ClientSampleId :
VK-1

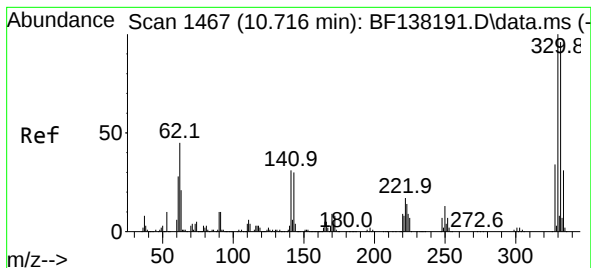
Tgt Ion: 82 Resp: 919963
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

Tgt Ion: 164 Resp: 431408
Ion Ratio Lower Upper
164 100
162 99.0 80.6 121.0
160 44.6 36.3 54.5



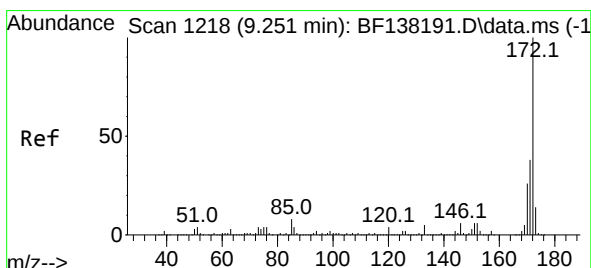
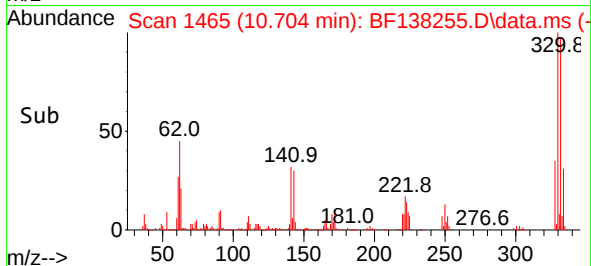
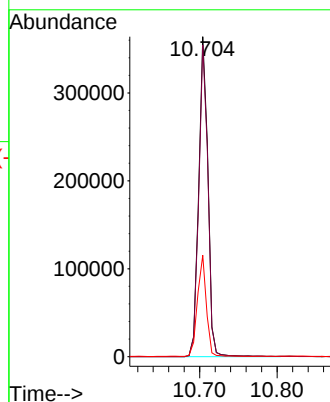
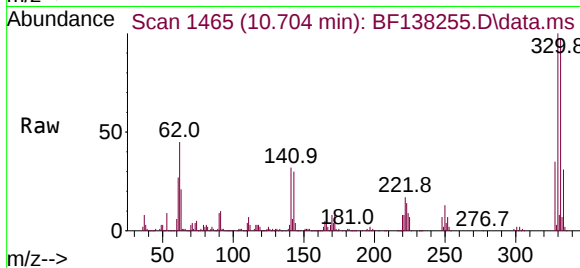


#42
 2,4,6-Tribromophenol
 Concen: 69.823 ng
 RT: 10.704 min Scan# 1465
 Delta R.T. -0.012 min
 Lab File: BF138255.D
 Acq: 19 Jun 2024 19:58

Instrument :
 BNA_F
 ClientSampleId :
 VK-1

Tgt Ion:330 Resp: 299871

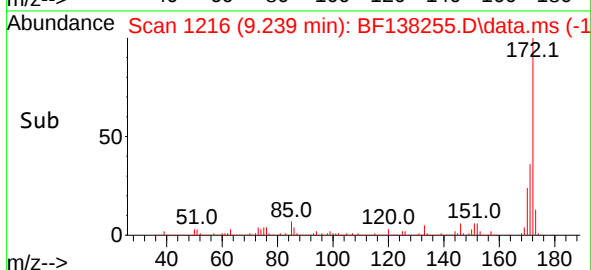
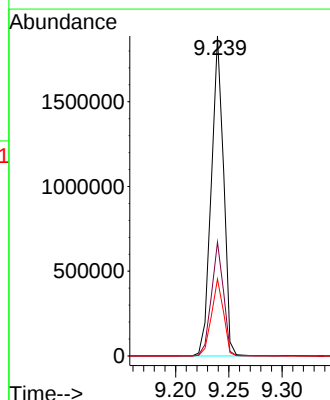
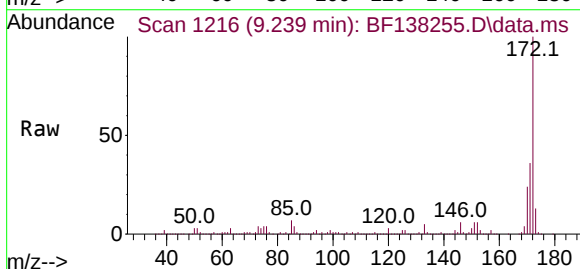
Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	30.3	23.9	35.9

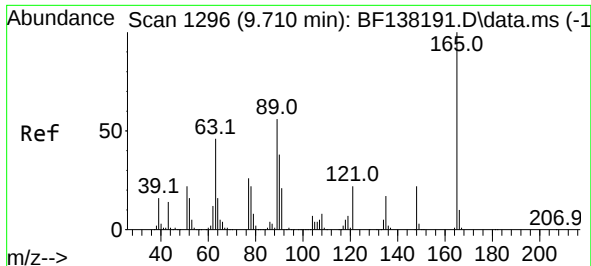


#45
 2-Fluorobiphenyl
 Concen: 55.958 ng
 RT: 9.239 min Scan# 1216
 Delta R.T. -0.012 min
 Lab File: BF138255.D
 Acq: 19 Jun 2024 19:58

Tgt Ion:172 Resp: 1518154

Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.3	45.5
170	24.1	20.6	30.8

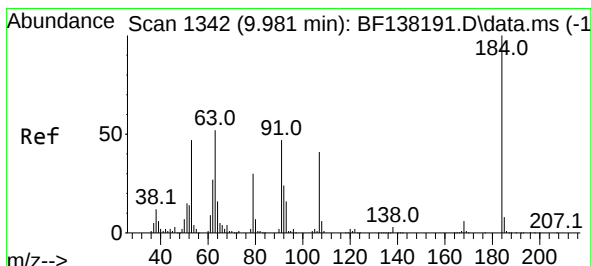
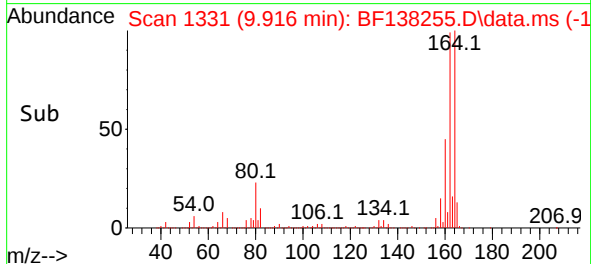
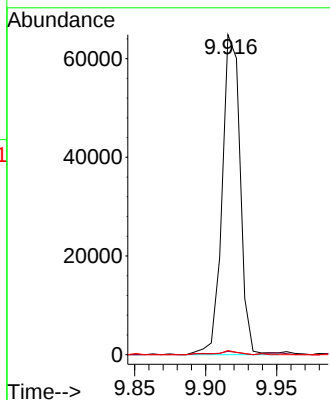
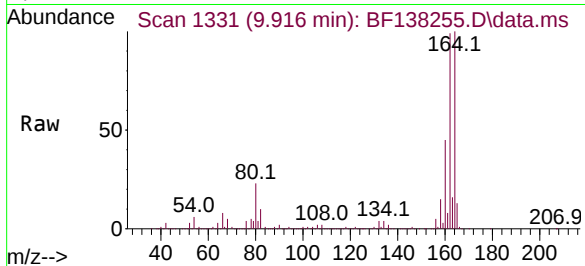




#51
2,6-Dinitrotoluene
Concen: 9.953 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

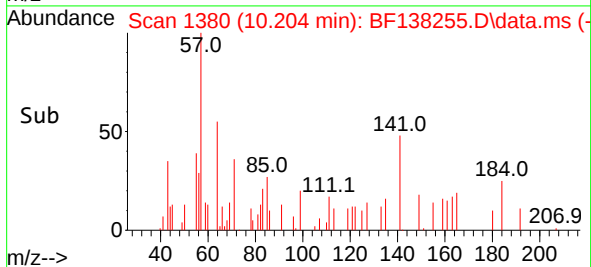
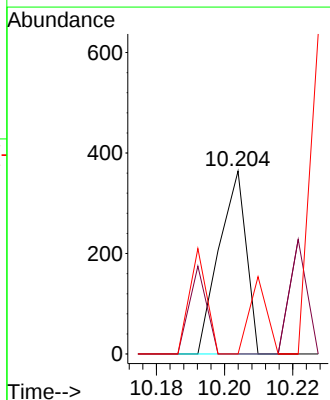
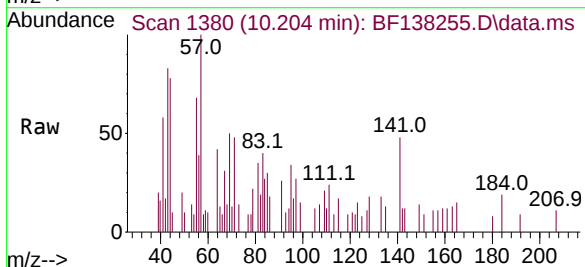
Instrument :
BNA_F
ClientSampleId :
VK-1

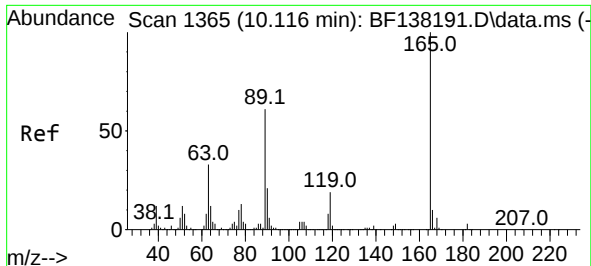
Tgt Ion:165 Resp: 57075
Ion Ratio Lower Upper
165 100
63 1.1 43.7 65.5#
89 1.3 44.9 67.3#



#54
2,4-Dinitrophenol
Concen: 4.299 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.223 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

Tgt Ion:184 Resp: 201
Ion Ratio Lower Upper
184 100
63 0.0 49.2 73.8#
154 0.0 46.7 70.1#

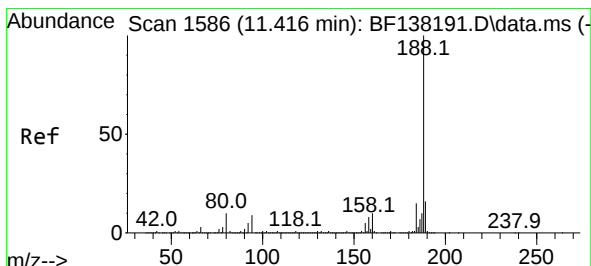
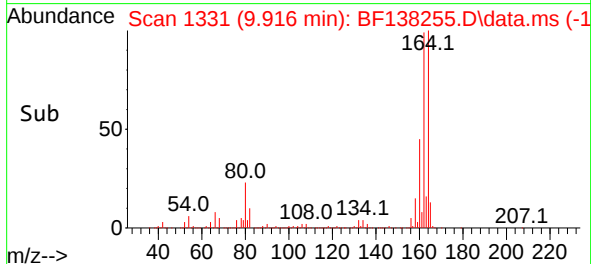
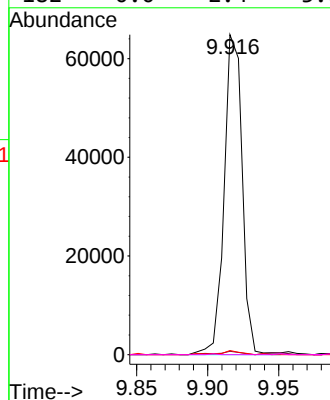
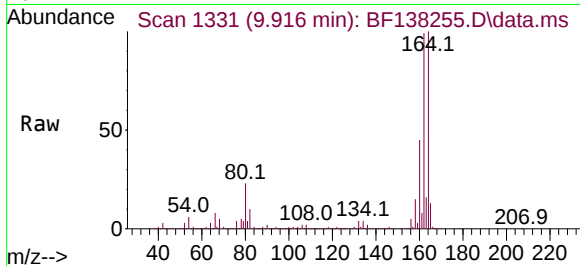




#57
2,4-Dinitrotoluene
Concen: 8.070 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

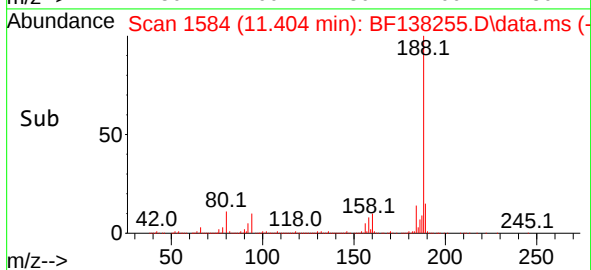
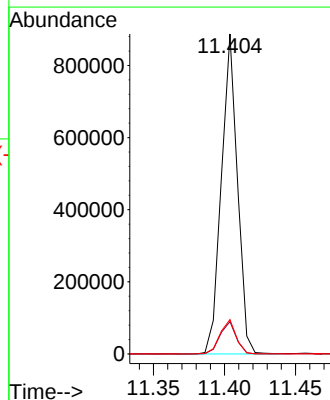
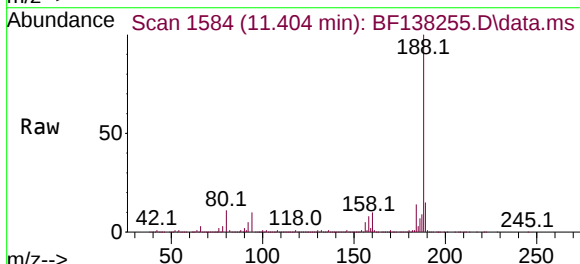
Instrument :
BNA_F
ClientSampleId :
VK-1

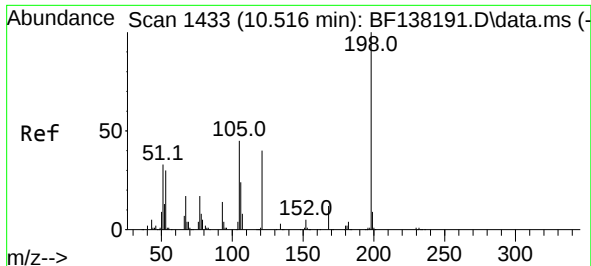
Tgt Ion:165 Resp: 57075
Ion Ratio Lower Upper
165 100
63 1.1 26.6 39.8#
89 1.3 48.7 73.1#
182 0.0 2.4 3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

Tgt Ion:188 Resp: 697325
Ion Ratio Lower Upper
188 100
94 10.1 7.6 11.4
80 10.8 8.1 12.1

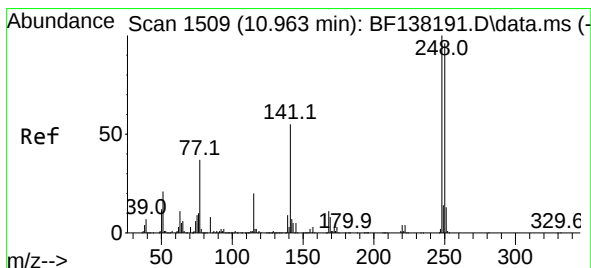
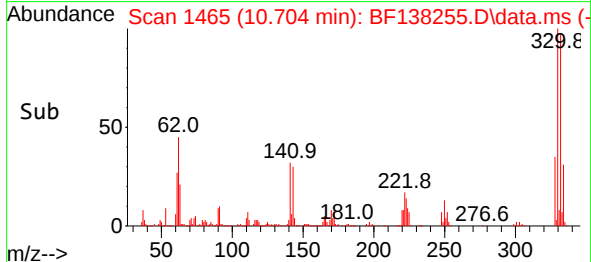
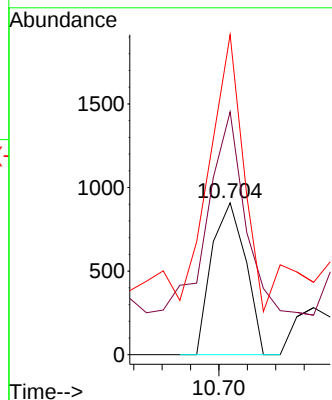
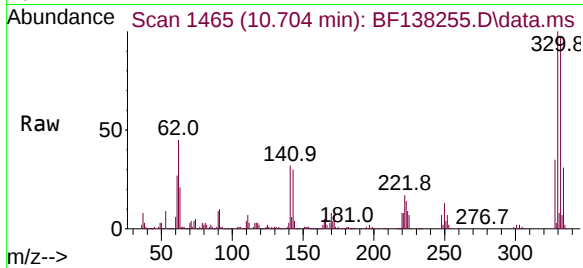




#65
4,6-Dinitro-2-methylphenol
Concen: 7.116 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.188 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

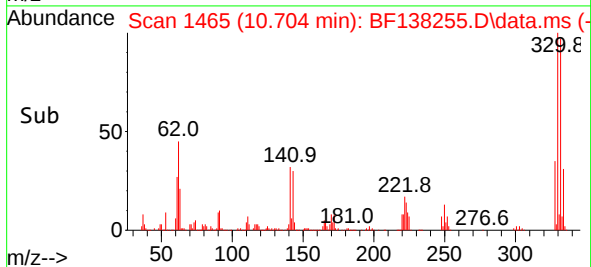
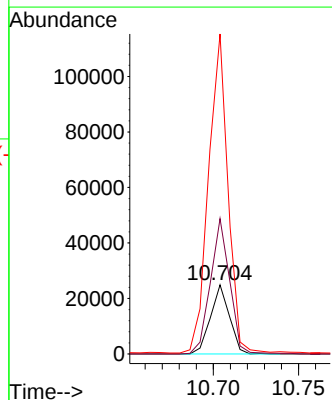
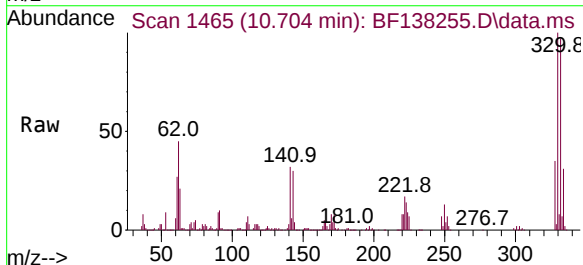
Instrument :
BNA_F
ClientSampleId :
VK-1

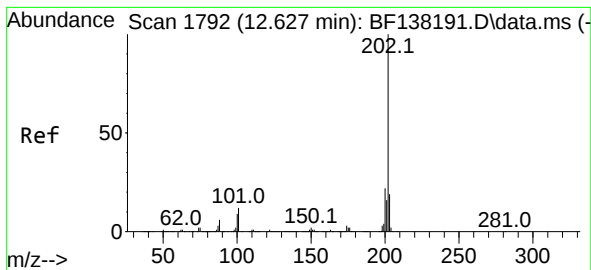
Tgt Ion:198 Resp: 754
Ion Ratio Lower Upper
198 100
51 160.0 26.9 66.9#
105 210.8 26.0 66.0#



#67
4-Bromophenyl-phenylether
Concen: 2.441 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138255.D
Acq: 19 Jun 2024 19:58

Tgt Ion:248 Resp: 19179
Ion Ratio Lower Upper
248 100
250 195.8 77.2 115.8#
141 462.8 44.1 66.1#





#75

Fluoranthene

Concen: 4.789 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

Instrument :

BNA_F

ClientSampleId :

VK-1

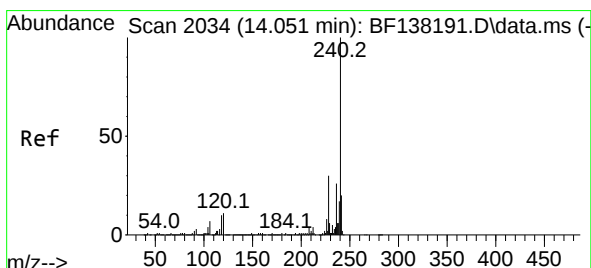
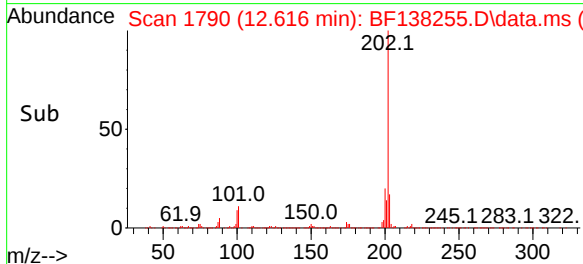
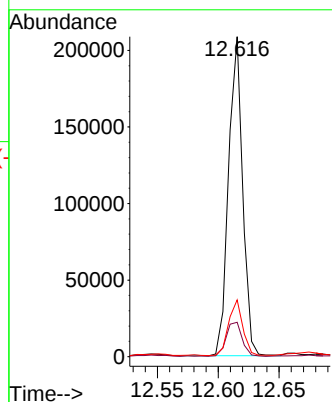
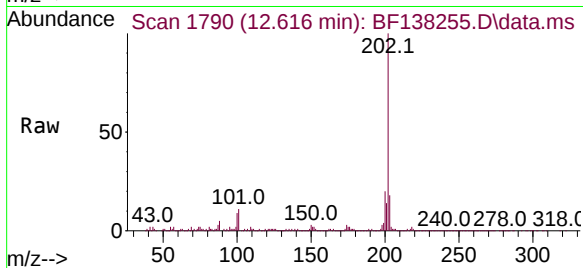
Tgt Ion:202 Resp: 168418

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.8

203 17.7 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

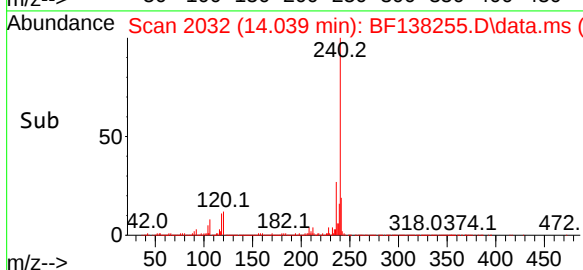
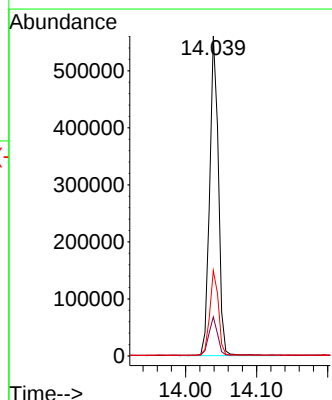
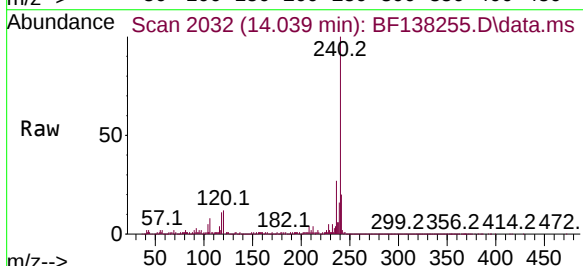
Tgt Ion:240 Resp: 480283

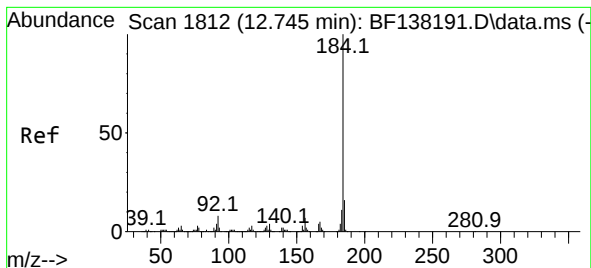
Ion Ratio Lower Upper

240 100

120 12.2 9.2 13.8

236 26.7 21.0 31.6





#77

Benzidine

Concen: 3.329 ng

RT: 12.992 min Scan# 1854

Delta R.T. 0.247 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

Instrument :

BNA_F

ClientSampleId :

VK-1

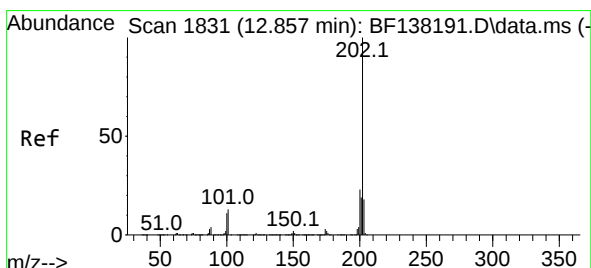
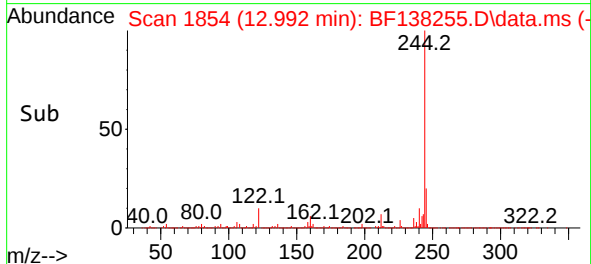
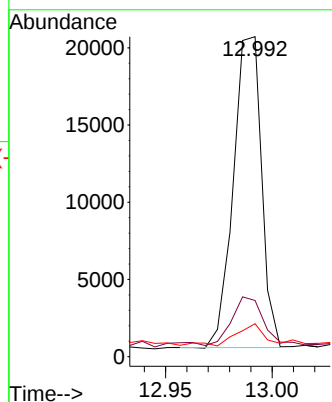
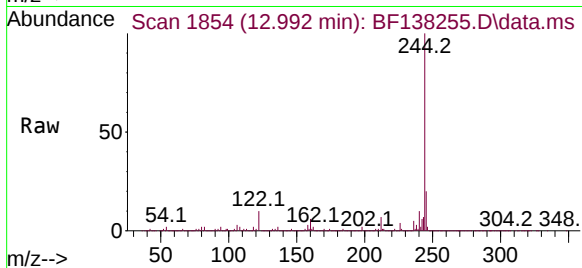
Tgt Ion:184 Resp: 18496

Ion Ratio Lower Upper

184 100

185 17.5 12.6 19.0

183 10.3 9.0 13.6



#78

Pyrene

Concen: 4.068 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

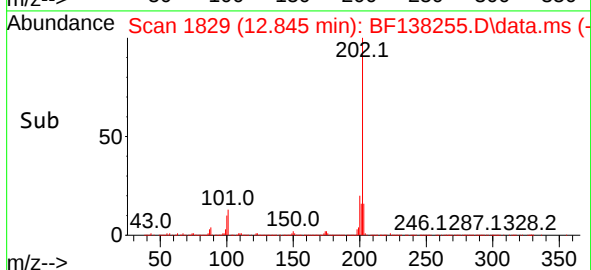
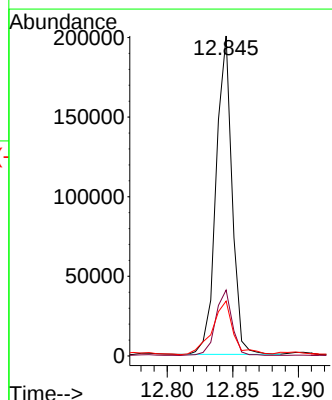
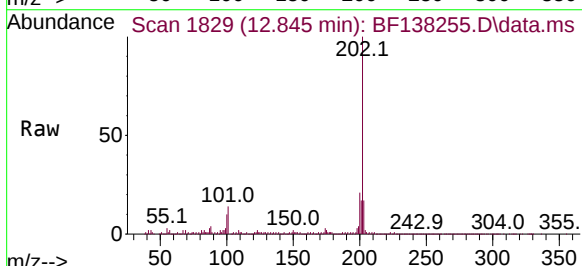
Tgt Ion:202 Resp: 168543

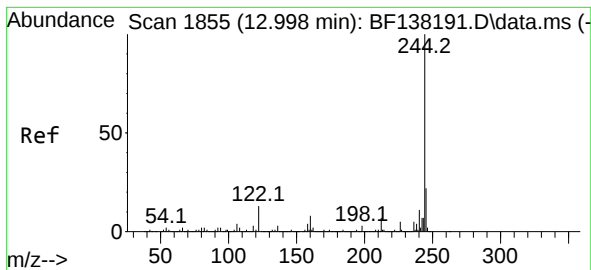
Ion Ratio Lower Upper

202 100

200 20.6 18.0 27.0

203 17.2 14.7 22.1





#79

Terphenyl-d14

Concen: 49.707 ng

RT: 12.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

Instrument :

BNA_F

ClientSampleId :

VK-1

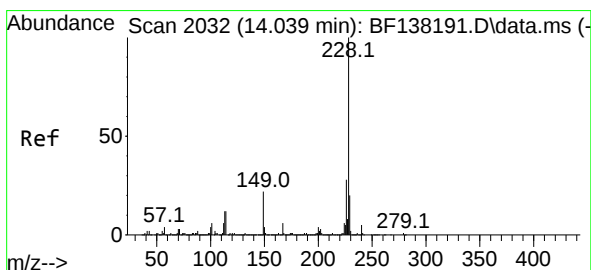
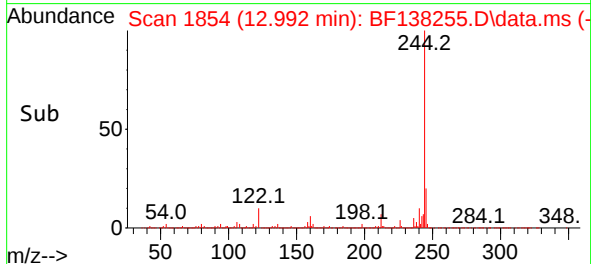
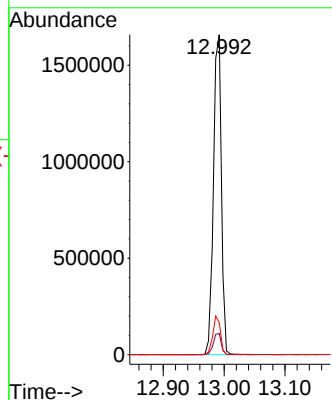
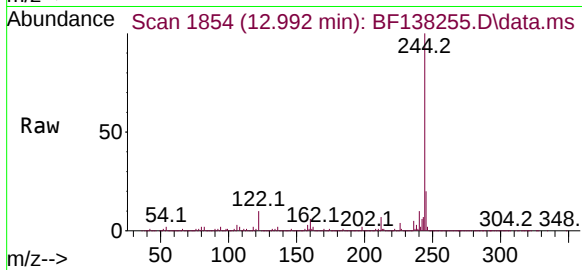
Tgt Ion:244 Resp: 1507324

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 10.0 10.6 15.8#



#81

Benzo(a)anthracene

Concen: 2.719 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

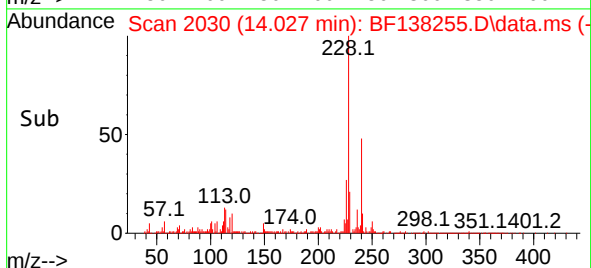
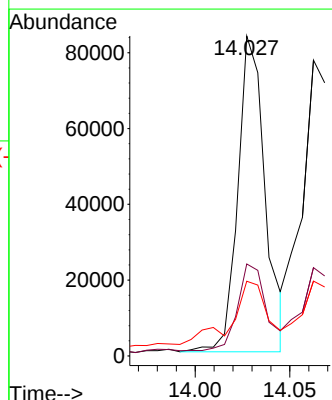
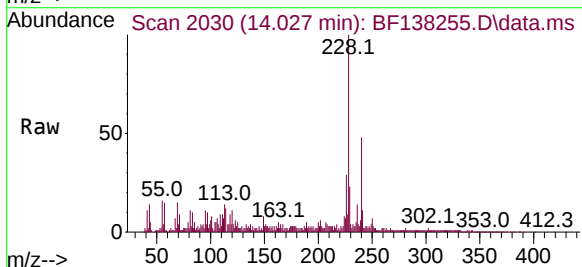
Tgt Ion:228 Resp: 83777

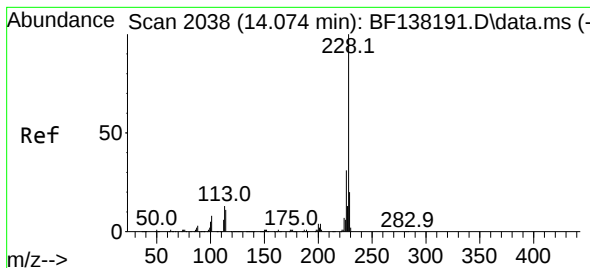
Ion Ratio Lower Upper

228 100

226 28.8 22.5 33.7

229 23.3 16.3 24.5





#83

Chrysene

Concen: 2.852 ng

RT: 14.027 min Scan# 2038

Delta R.T. -0.047 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

Instrument :

BNA_F

ClientSampleId :

VK-1

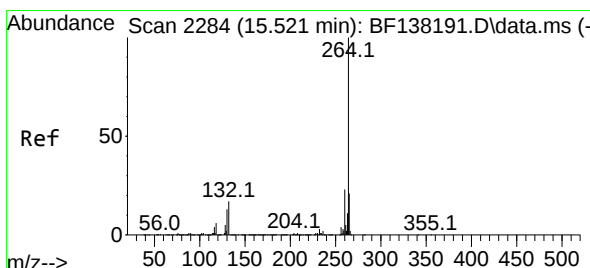
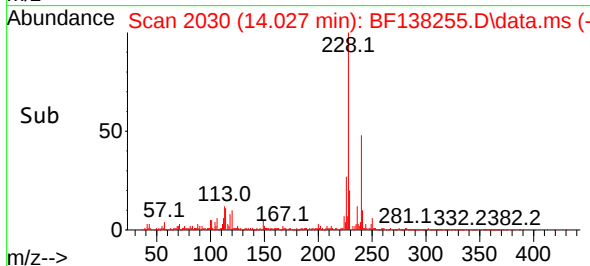
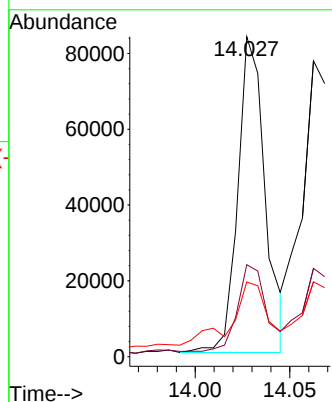
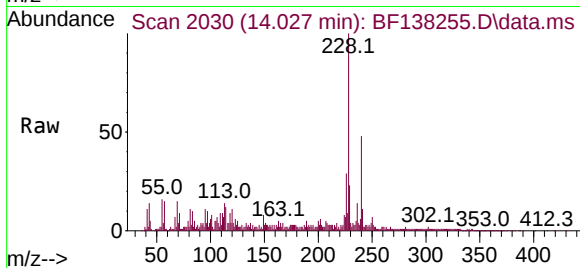
Tgt Ion:228 Resp: 83777

Ion Ratio Lower Upper

228 100

226 28.8 24.5 36.7

229 23.3 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

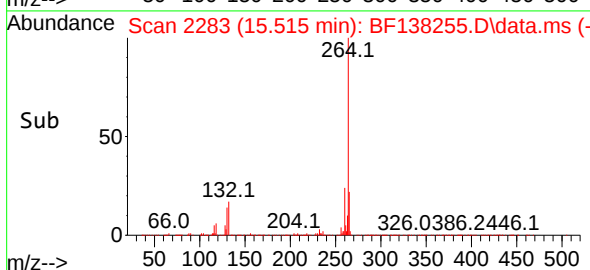
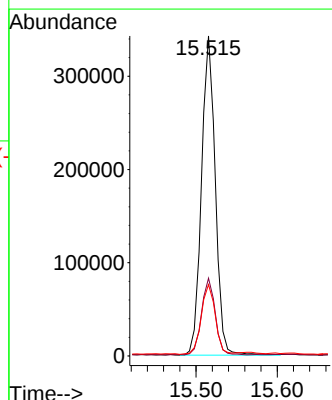
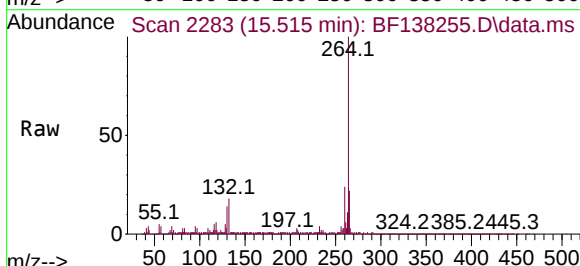
Tgt Ion:264 Resp: 404761

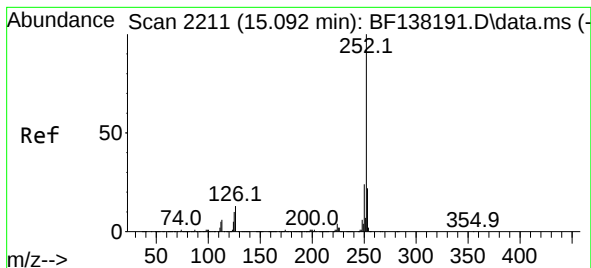
Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 22.3 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 5.745 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

Instrument :

BNA_F

ClientSampleId :

VK-1

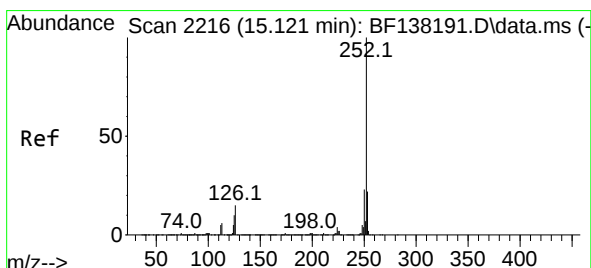
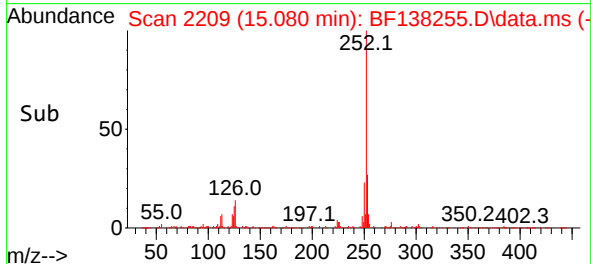
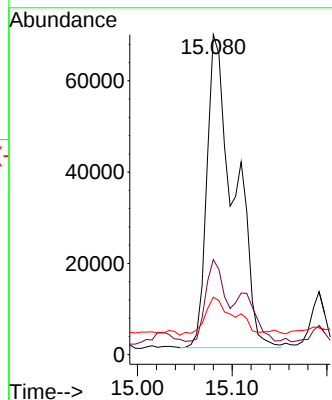
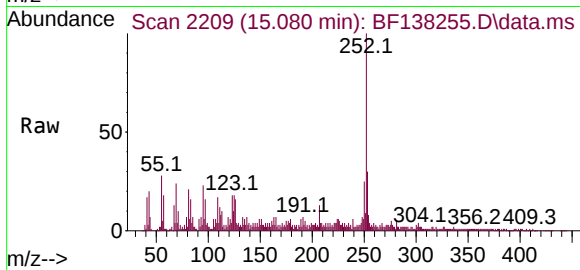
Tgt Ion:252 Resp: 137120

Ion Ratio Lower Upper

252 100

253 29.7 17.7 26.5#

125 18.0 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 5.862 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF138255.D

Acq: 19 Jun 2024 19:58

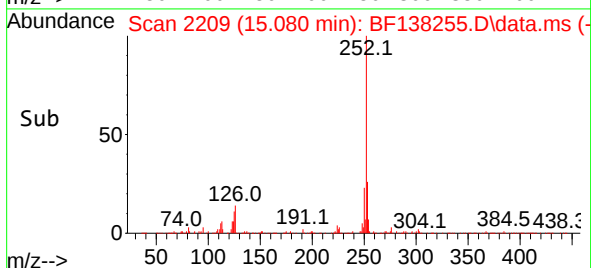
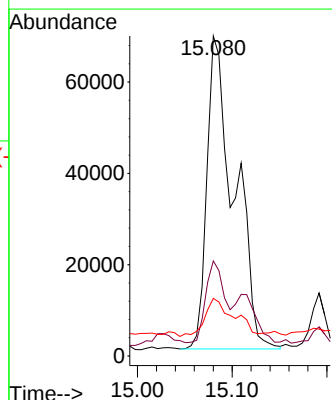
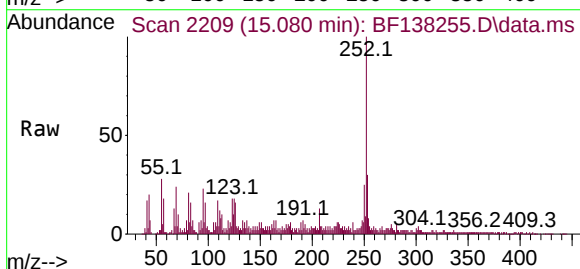
Tgt Ion:252 Resp: 137120

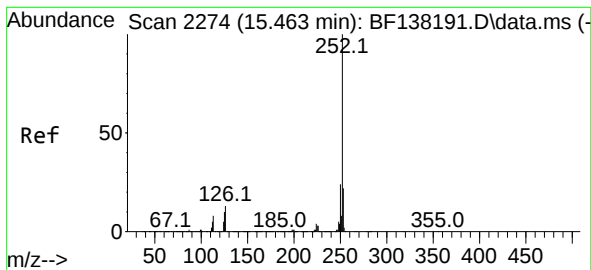
Ion Ratio Lower Upper

252 100

253 29.7 17.8 26.8#

125 18.0 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 3.022 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138255.D

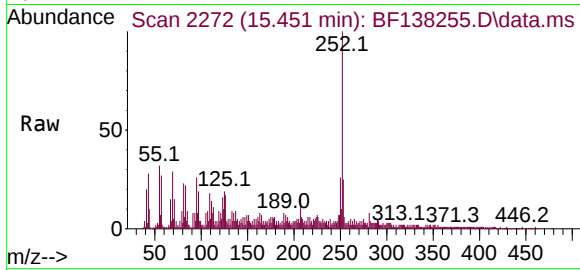
Acq: 19 Jun 2024 19:58

Instrument :

BNA_F

ClientSampleId :

VK-1



Tgt Ion:252 Resp: 61976

Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

125 19.2 8.2 12.2#

