

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030322\
 Data File : BF127183.D
 Acq On : 03 Mar 2022 20:56
 Operator : CG\JU
 Sample : N1713-03RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-235

Quant Time: Mar 04 02:15:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

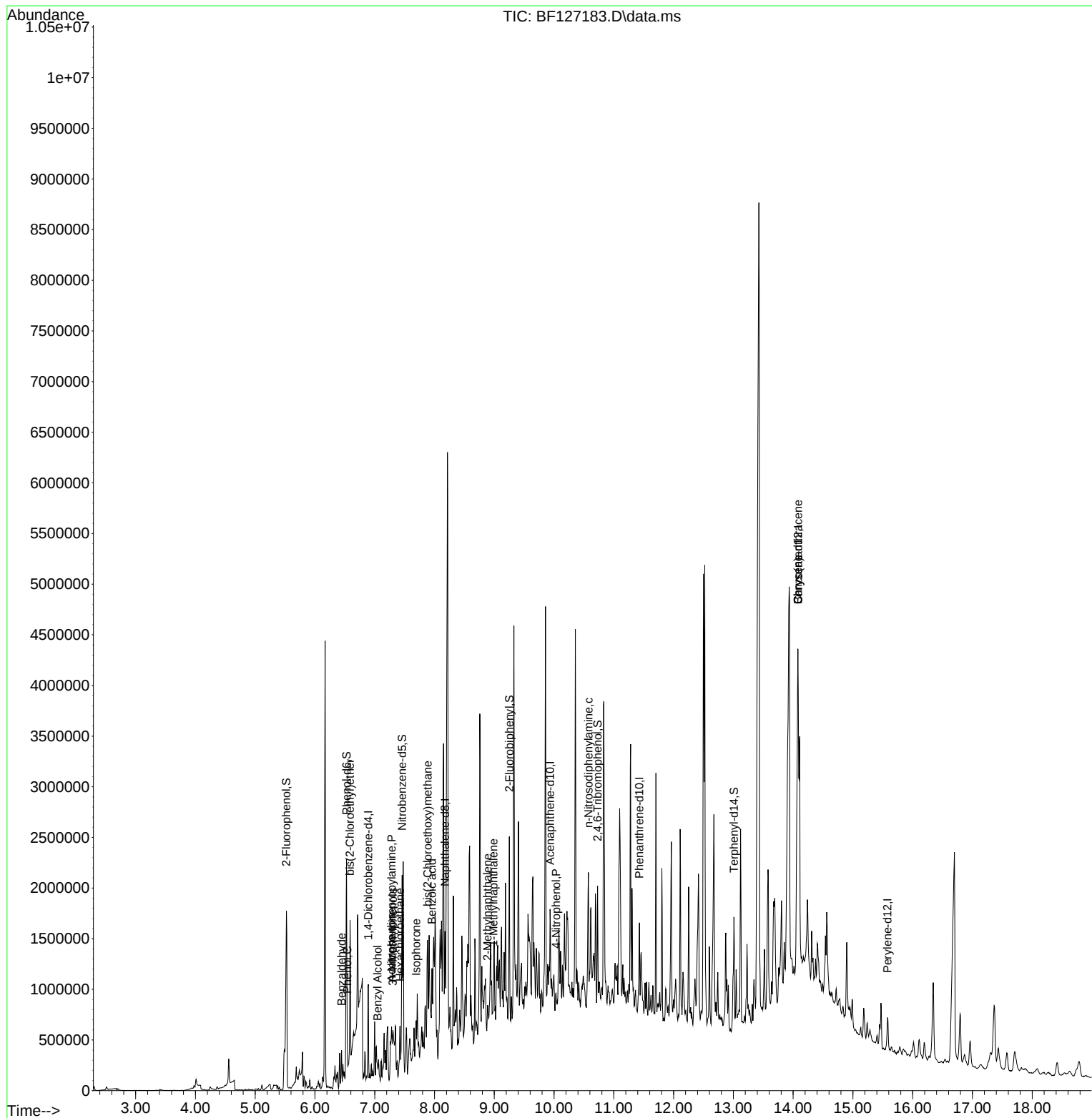
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	102174	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	386348	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	160385	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	230117	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	157532	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	137433	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	608474	92.043	ng	0.01
7) Phenol-d6	6.528	99	735326	82.433	ng	0.00
23) Nitrobenzene-d5	7.457	82	504675	58.962	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	124587	67.468	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	436605	40.075	ng	0.00
79) Terphenyl-d14	13.010	244	291561	27.208	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.446	77	54485	10.034	ng	# 71
10) Phenol	6.540	94	48444	5.375	ng	83
11) bis(2-Chloroethyl)ether	6.587	93	281759	39.856	ng	# 22
15) Benzyl Alcohol	7.045	79	45693	6.080	ng	94
18) Hexachloroethane	7.422	117	16438	5.528	ng	# 1
19) n-Nitroso-di-n-propyla...	7.281	70	30152	5.246	ng	# 57
20) 3+4-Methylphenols	7.304	107	47209	5.924	ng	# 73
22) Acetophenone	7.281	105	58475	5.748	ng	# 56
25) Isophorone	7.692	82	42813	3.023	ng	# 1
28) bis(2-Chloroethoxy)met...	7.887	93	32325	3.765	ng	# 1
32) Benzoic acid	7.957	122	37131	9.257	ng	# 77
37) 2-Methylnaphthalene	8.887	142	48864	3.734	ng	86
38) 1-Methylnaphthalene	8.987	142	28401	2.266	ng	93
56) 4-Nitrophenol	10.034	139	4268	2.027	ng	# 1
66) n-Nitrosodiphenylamine	10.575	169	18729	2.482	ng	# 82
81) Benzo(a)anthracene	14.080	228	28050	2.641	ng	# 80
83) Chrysene	14.080	228	28050	2.809	ng	# 77

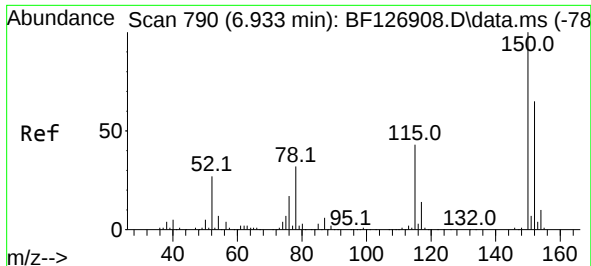
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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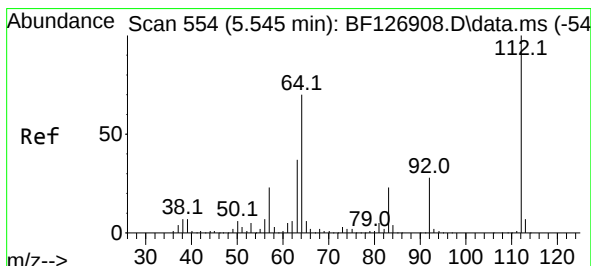
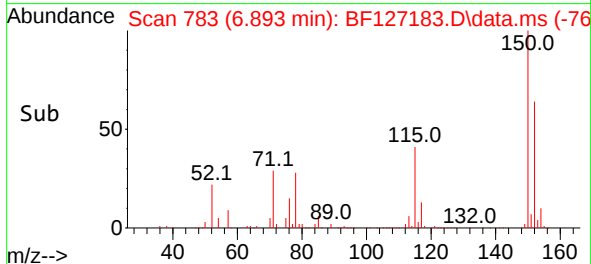
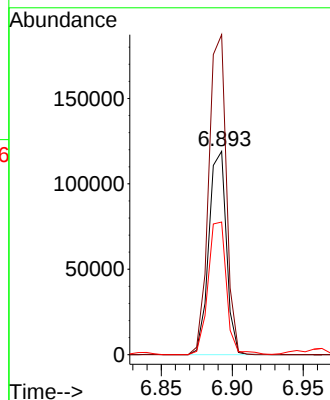
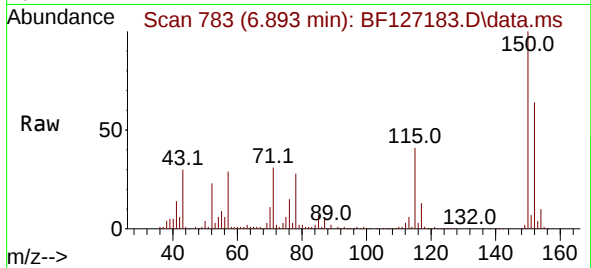




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

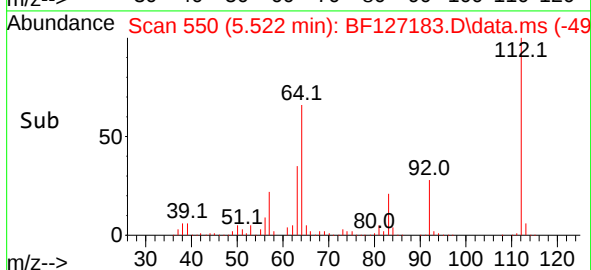
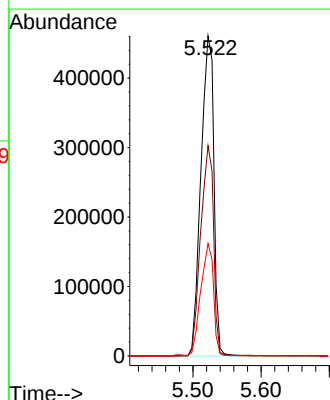
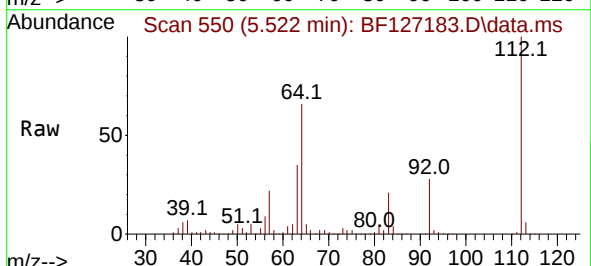
Instrument :
BNA_F
ClientSampleId :
VNJ-235

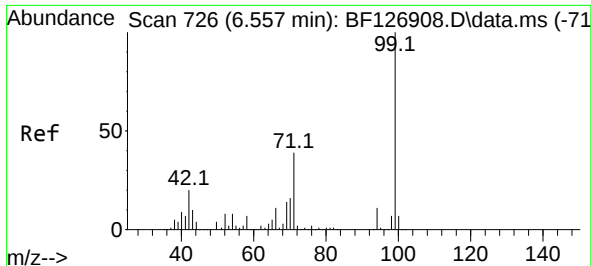
Tgt Ion:152 Resp: 102174
Ion Ratio Lower Upper
152 100
150 157.3 128.1 192.1
115 65.2 56.7 85.1



#5
2-Fluorophenol
Concen: 92.043 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.012 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

Tgt Ion:112 Resp: 608474
Ion Ratio Lower Upper
112 100
64 65.7 49.5 74.3
63 35.1 23.9 35.9





#7

Phenol-d6

Concen: 82.433 ng

RT: 6.528 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-235

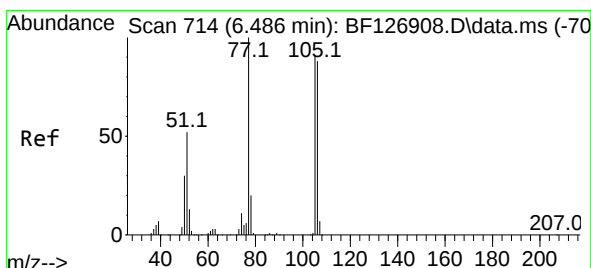
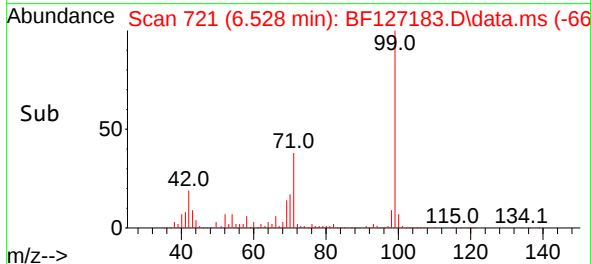
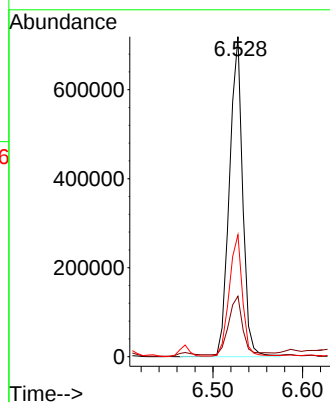
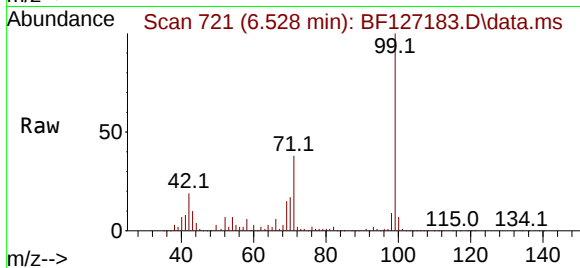
Tgt Ion: 99 Resp: 735326

Ion Ratio Lower Upper

99 100

42 18.9 14.2 21.4

71 38.1 24.3 36.5#



#9

Benzaldehyde

Concen: 10.034 ng

RT: 6.446 min Scan# 707

Delta R.T. 0.000 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

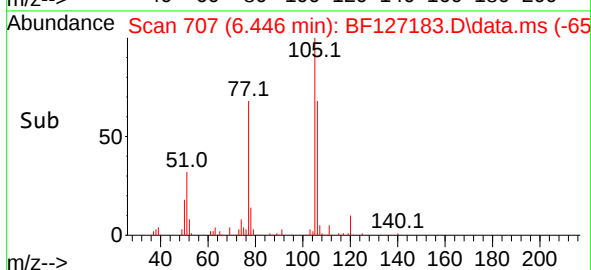
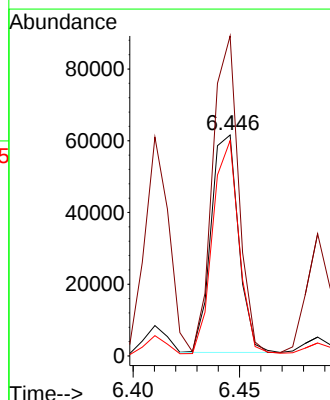
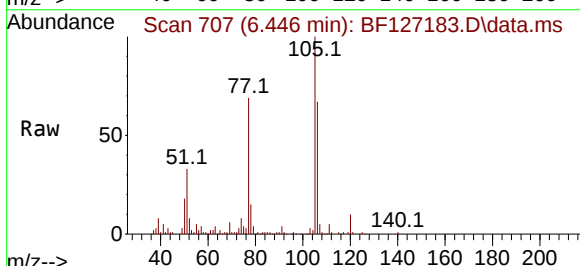
Tgt Ion: 77 Resp: 54485

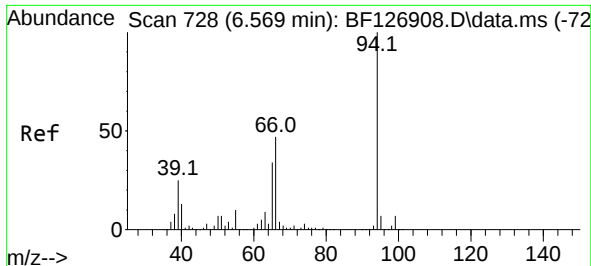
Ion Ratio Lower Upper

77 100

105 144.8 74.9 114.9#

106 97.5 72.4 112.4

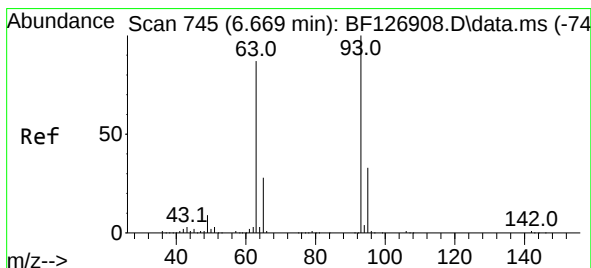
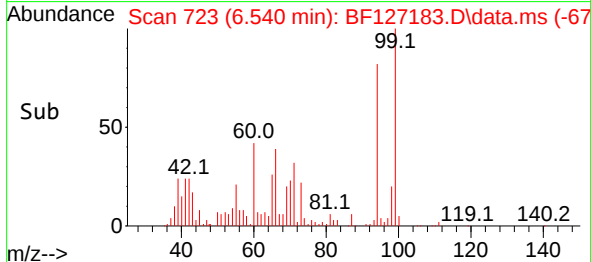
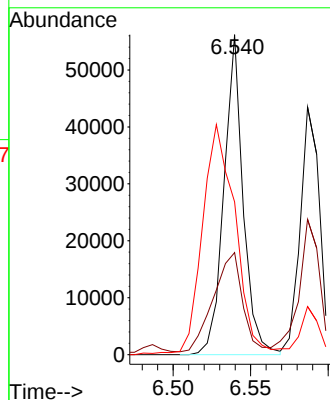
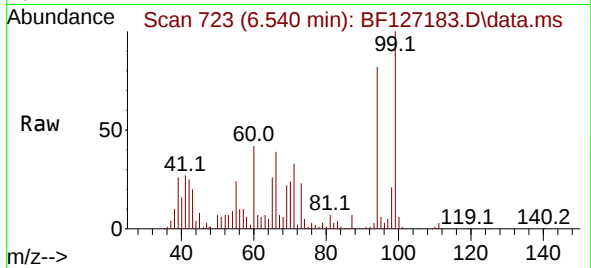




#10
Phenol
Concen: 5.375 ng
RT: 6.540 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

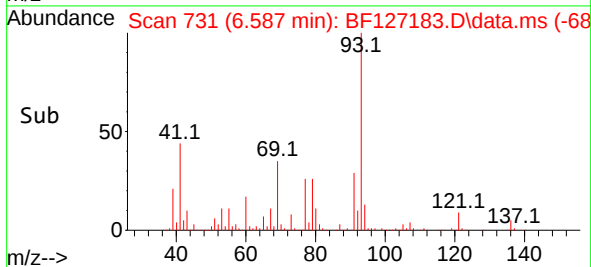
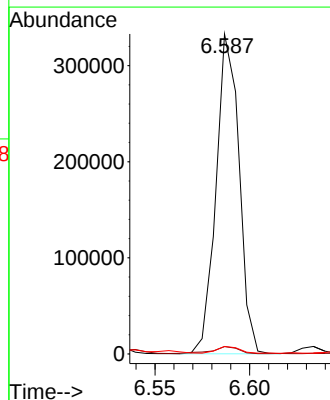
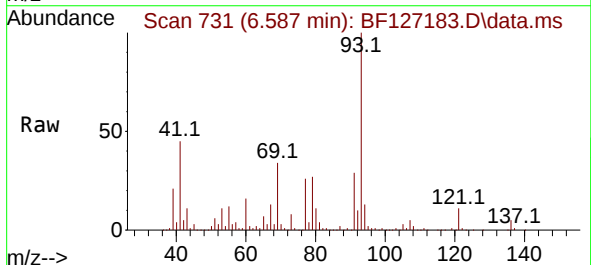
Instrument :
BNA_F
ClientSampleId :
VNJ-235

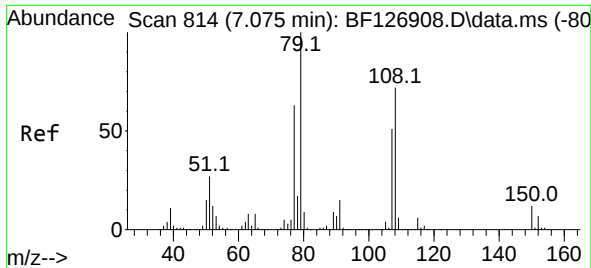
Tgt Ion: 94 Resp: 48444
Ion Ratio Lower Upper
94 100
65 31.9 7.2 47.2
66 47.7 14.5 54.5



#11
bis(2-Chloroethyl)ether
Concen: 39.856 ng
RT: 6.587 min Scan# 731
Delta R.T. -0.041 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

Tgt Ion: 93 Resp: 281759
Ion Ratio Lower Upper
93 100
63 2.3 60.5 100.5#
95 2.4 12.9 52.9#

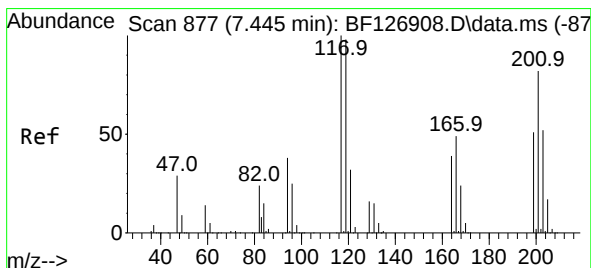
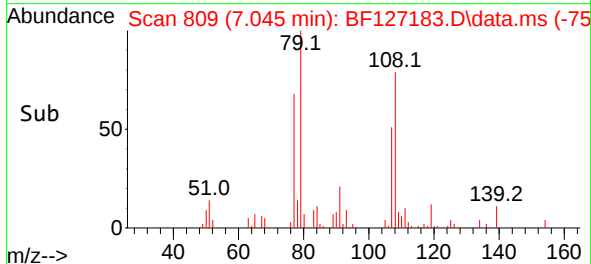
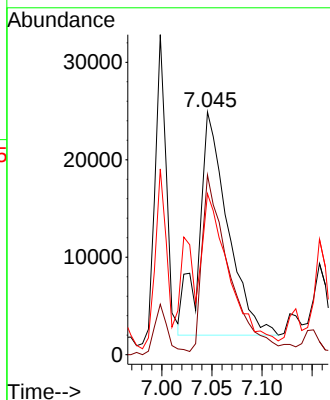
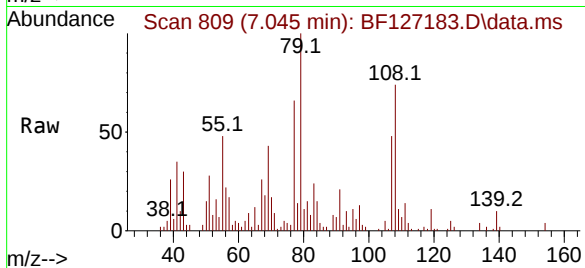




#15
Benzyl Alcohol
Concen: 6.080 ng
RT: 7.045 min Scan# 809
Delta R.T. 0.012 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

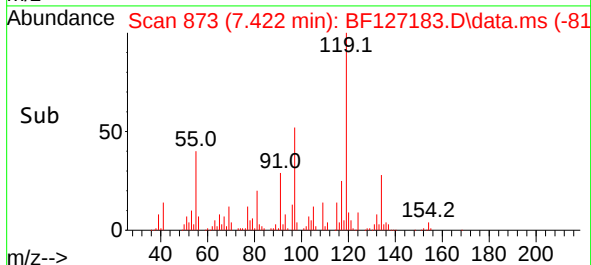
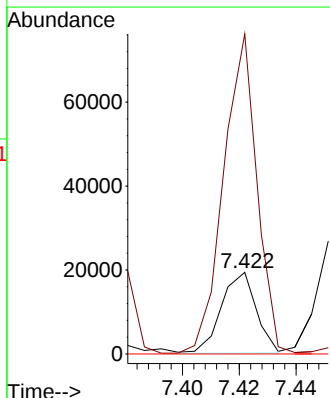
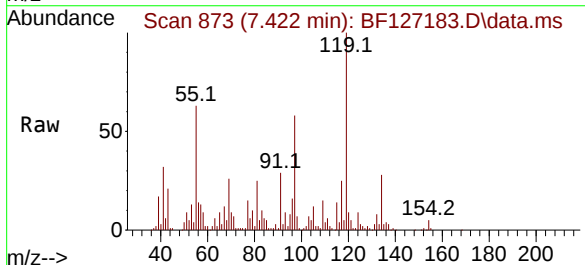
Instrument :
BNA_F
ClientSampleId :
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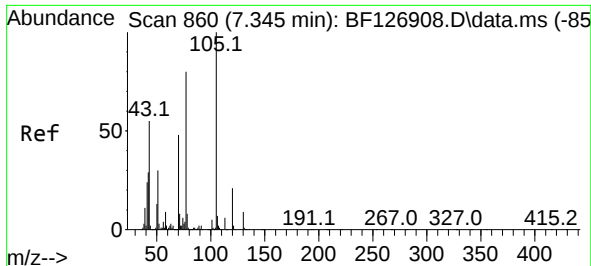
Tgt Ion: 79 Resp: 45693
Ion Ratio Lower Upper
79 100
108 74.0 63.2 94.8
77 66.3 49.4 74.2



#18
Hexachloroethane
Concen: 5.528 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.018 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

Tgt Ion: 117 Resp: 16438
Ion Ratio Lower Upper
117 100
119 392.3 75.4 113.0#
201 0.0 56.8 85.2#





#19

n-Nitroso-di-n-propylamine

Concen: 5.246 ng

RT: 7.281 min Scan# 849

Delta R.T. -0.023 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-235

Tgt Ion: 70 Resp: 30152

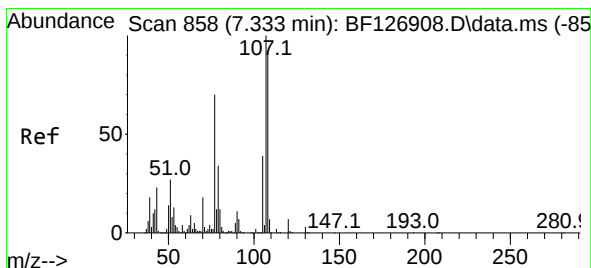
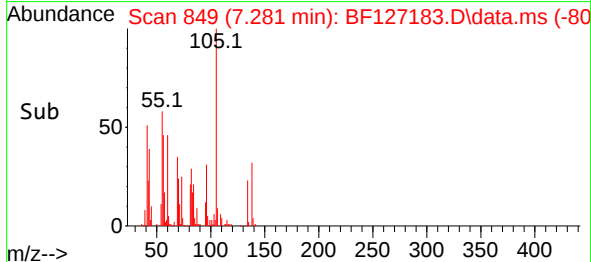
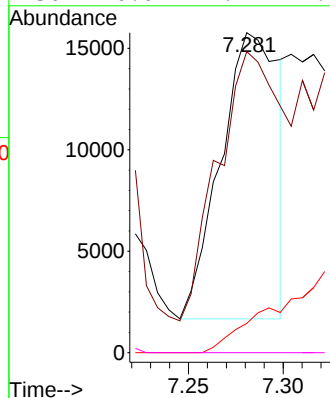
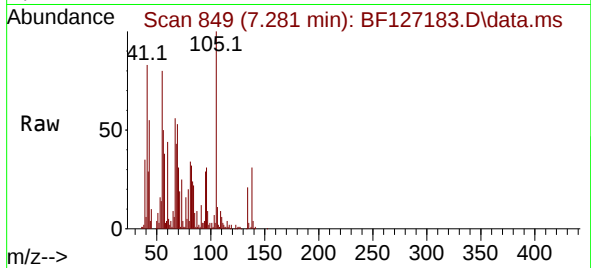
Ion Ratio Lower Upper

70 100

42 94.1 45.8 68.8#

101 9.2 6.9 10.3

130 0.0 14.4 21.6#



#20

3+4-Methylphenols

Concen: 5.924 ng

RT: 7.304 min Scan# 853

Delta R.T. 0.006 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Tgt Ion: 107 Resp: 47209

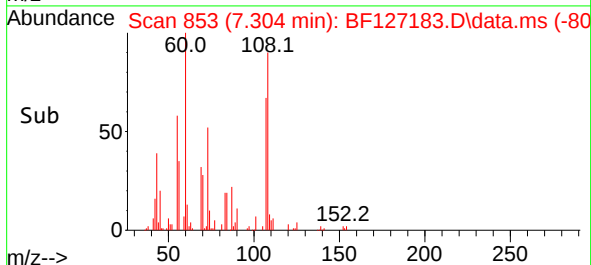
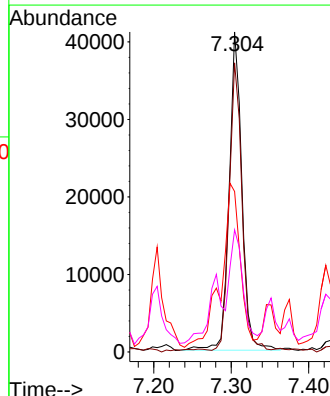
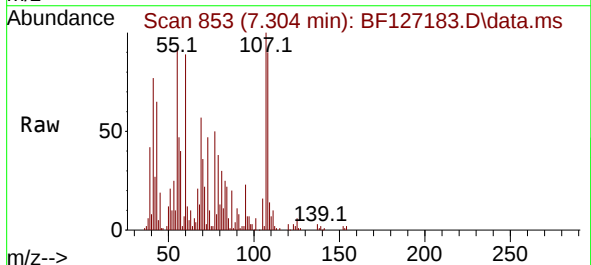
Ion Ratio Lower Upper

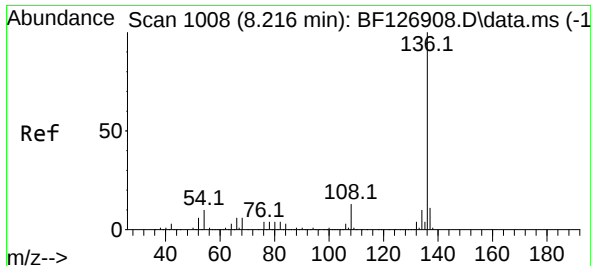
107 100

108 90.3 72.4 112.4

77 50.2 83.8 123.8#

79 38.1 8.5 48.5

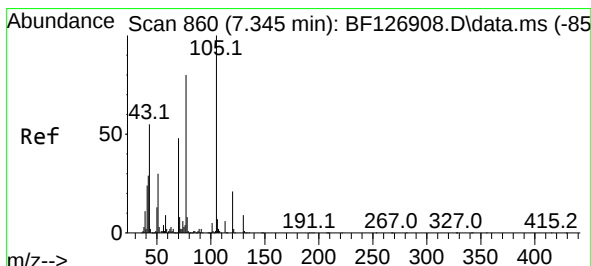
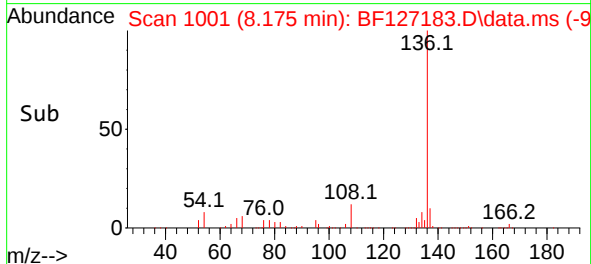
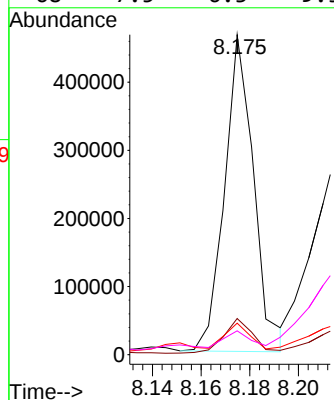
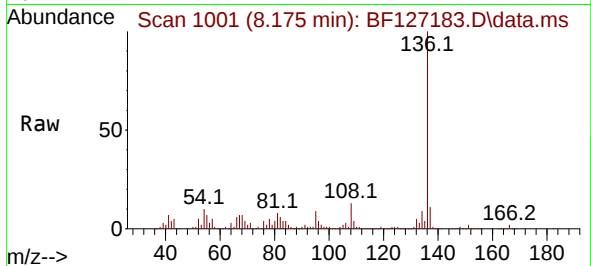




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

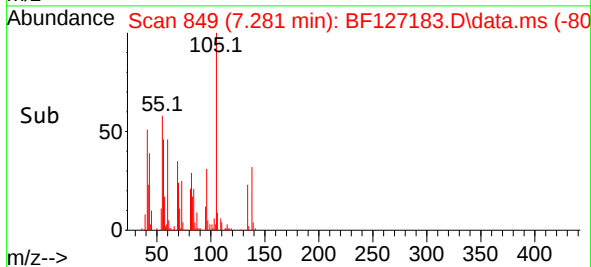
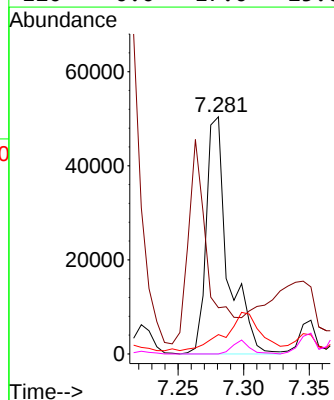
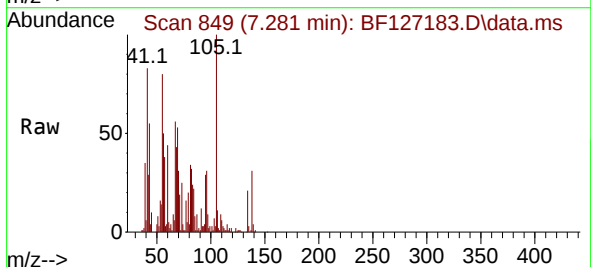
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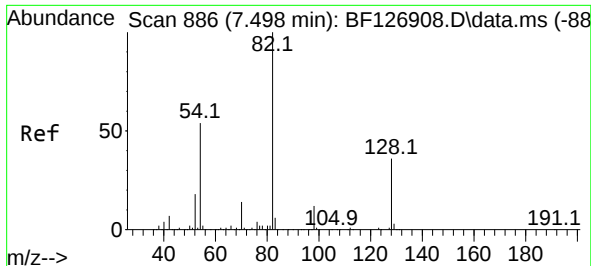
Tgt Ion:136 Resp: 386348
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.8 7.8 11.6
68 7.5 6.3 9.5



#22
Acetophenone
Concen: 5.748 ng
RT: 7.281 min Scan# 849
Delta R.T. -0.023 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

Tgt Ion:105 Resp: 58475
Ion Ratio Lower Upper
105 100
71 19.5 5.4 8.0#
51 8.1 27.4 41.0#
120 0.0 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 58.962 ng

RT: 7.457 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-235

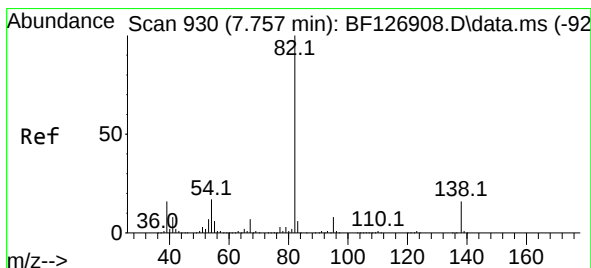
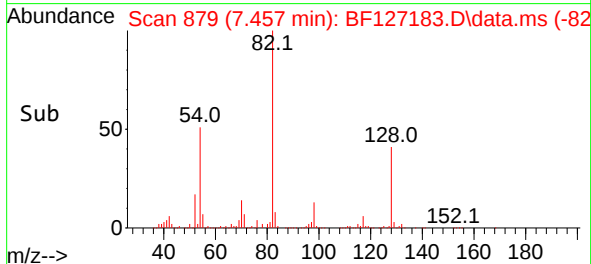
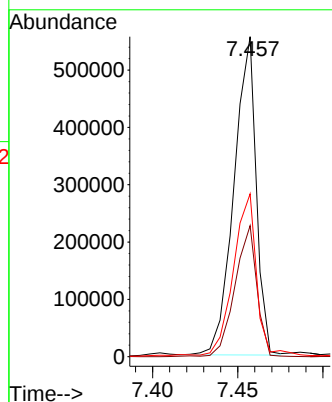
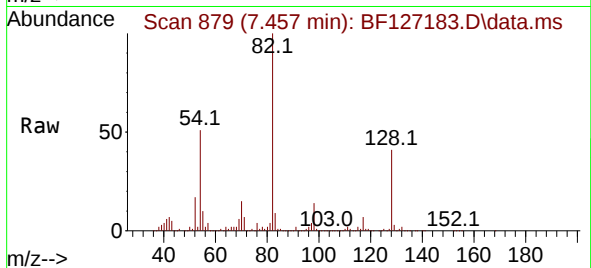
Tgt Ion: 82 Resp: 504675

Ion Ratio Lower Upper

82 100

128 41.0 32.7 49.1

54 50.9 41.7 62.5



#25

Isophorone

Concen: 3.023 ng

RT: 7.692 min Scan# 919

Delta R.T. -0.023 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

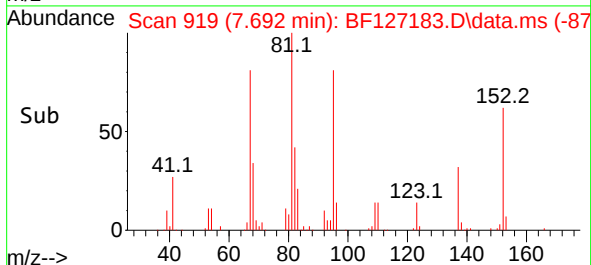
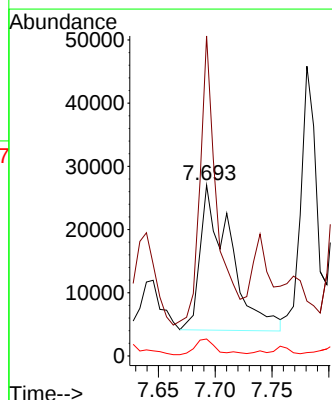
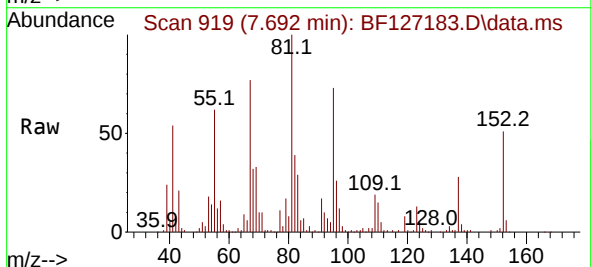
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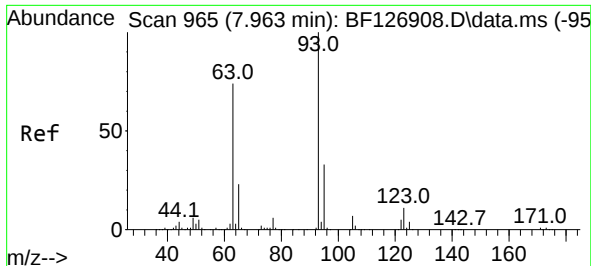
Ion Ratio Lower Upper

82 100

95 187.3 5.0 7.4#

138 9.9 12.3 18.5#

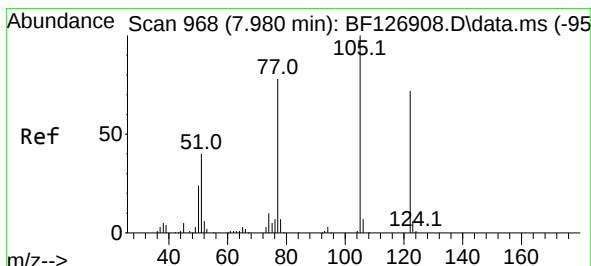
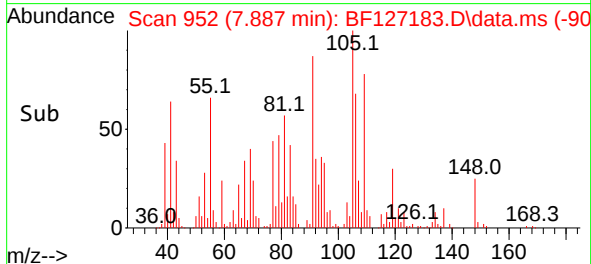
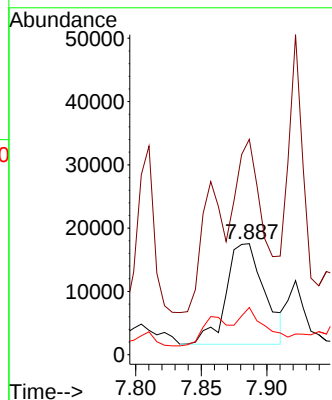
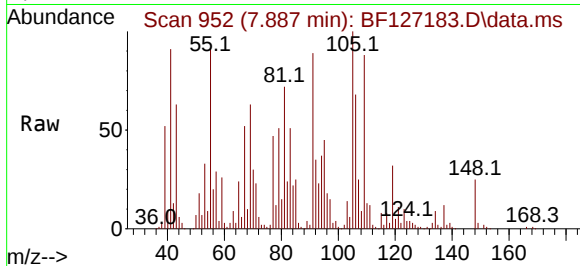




#28
bis(2-Chloroethoxy)methane
Concen: 3.765 ng
RT: 7.887 min Scan# 91
Delta R.T. -0.035 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

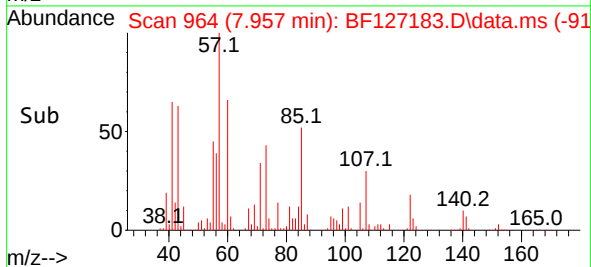
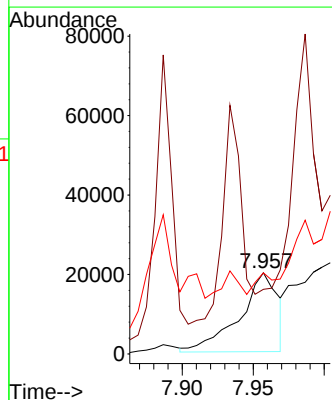
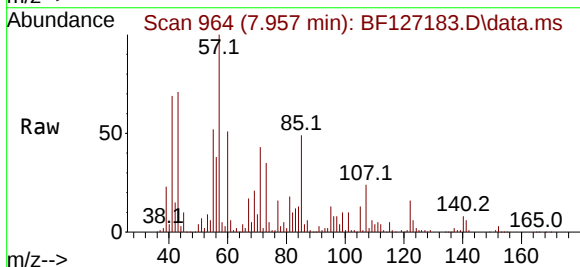
Instrument :
BNA_F
ClientSampleId :
VNJ-235

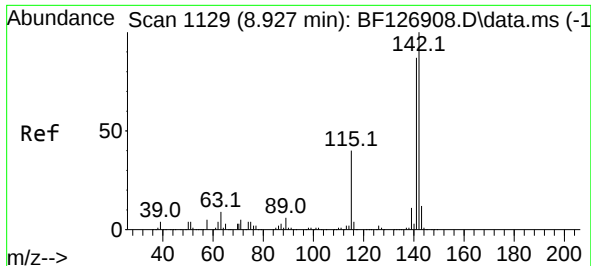
Tgt Ion: 93 Resp: 32325
Ion Ratio Lower Upper
93 100
95 194.0 25.4 38.2#
123 42.6 8.9 13.3#



#32
Benzoic acid
Concen: 9.257 ng
RT: 7.957 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

Tgt Ion:122 Resp: 37131
Ion Ratio Lower Upper
122 100
105 79.8 101.0 141.0#
77 100.0 74.5 114.5





#37

2-Methylnaphthalene

Concen: 3.734 ng

RT: 8.887 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Instrument :

BNA_F

ClientSampleId :

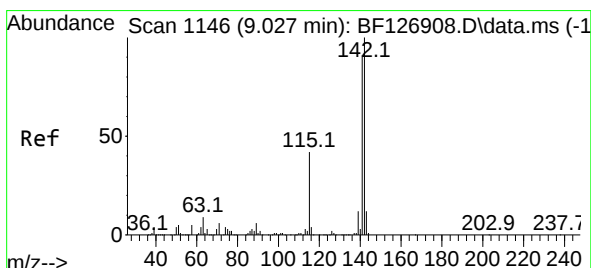
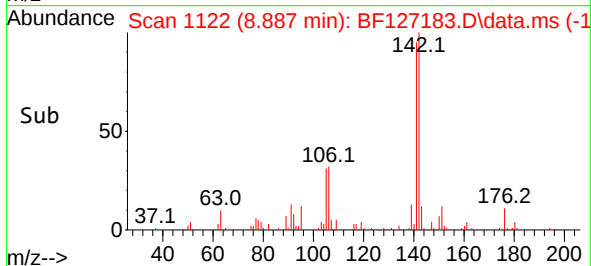
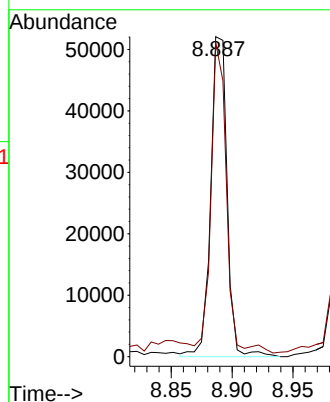
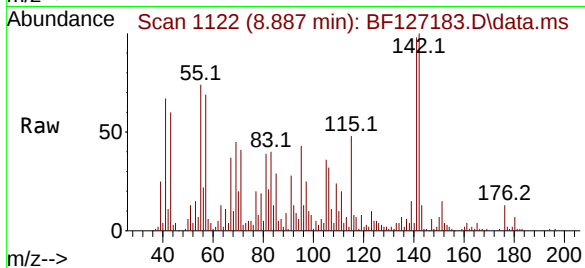
VNJ-235

Tgt Ion:142 Resp: 48864

Ion Ratio Lower Upper

142 100

141 98.1 68.6 102.8



#38

1-Methylnaphthalene

Concen: 2.266 ng

RT: 8.987 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF127183.D

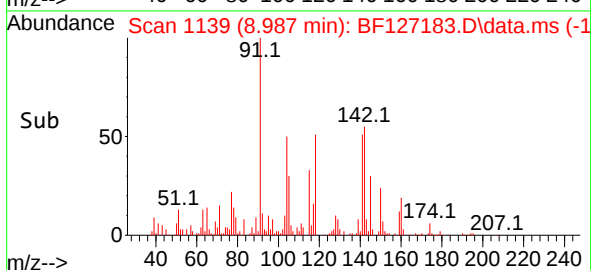
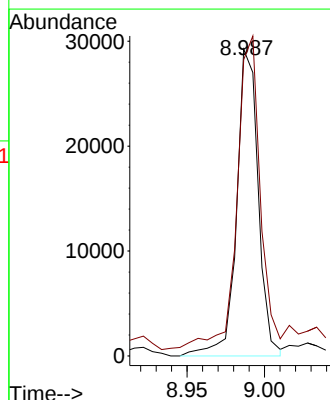
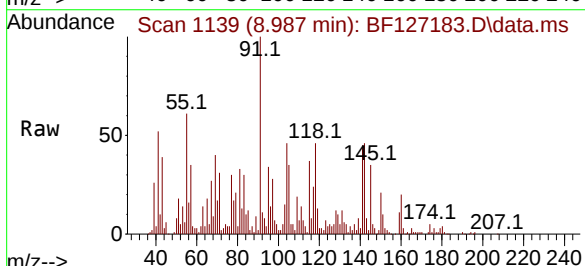
Acq: 03 Mar 2022 20:56

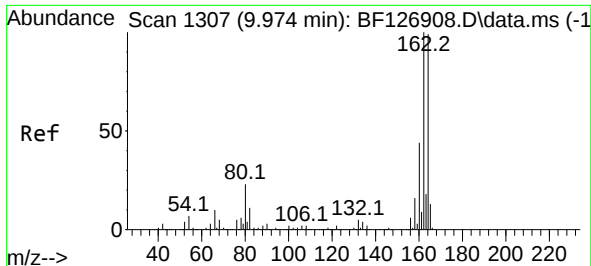
Tgt Ion:142 Resp: 28401

Ion Ratio Lower Upper

142 100

141 96.7 72.1 108.1

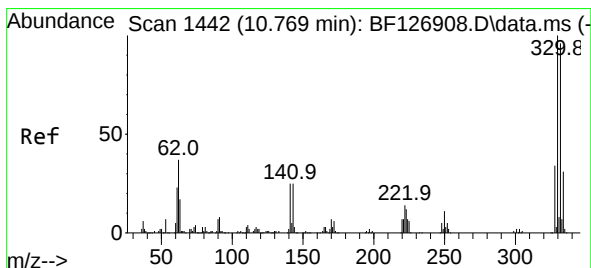
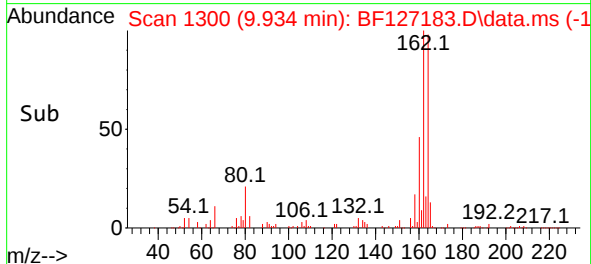
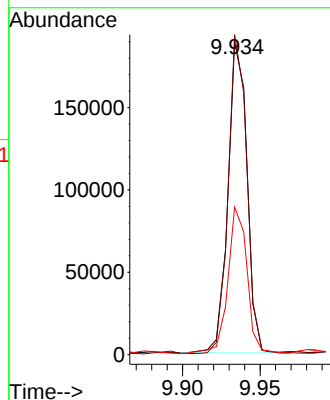
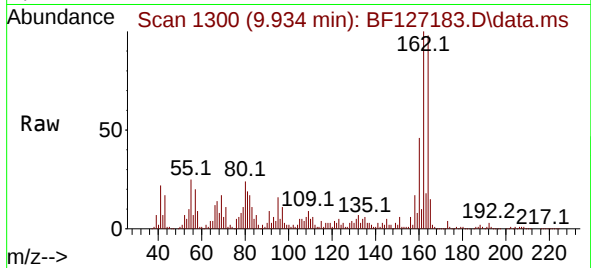




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

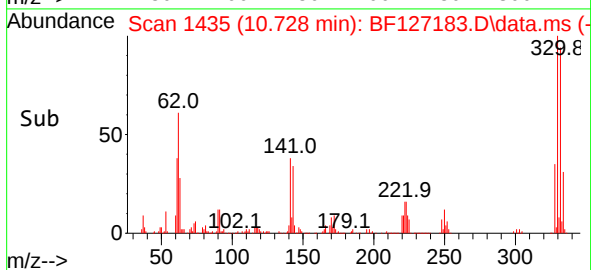
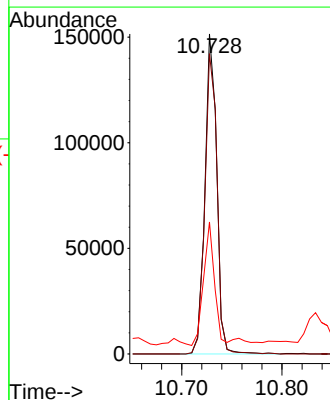
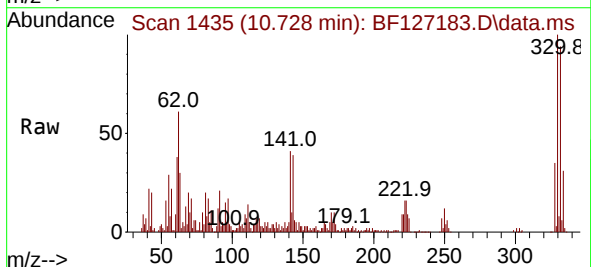
Instrument :
BNA_F
ClientSampleId :
VNJ-235

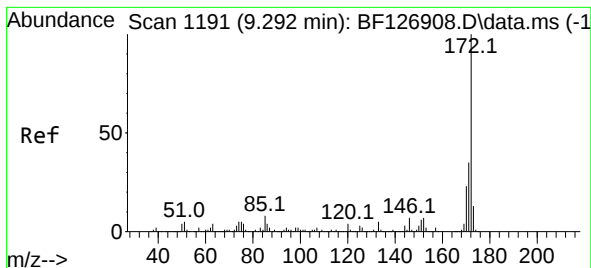
Tgt Ion:164 Resp: 160385
Ion Ratio Lower Upper
164 100
162 102.3 81.4 122.0
160 47.2 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 67.468 ng
RT: 10.728 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF127183.D
Acq: 03 Mar 2022 20:56

Tgt Ion:330 Resp: 124587
Ion Ratio Lower Upper
330 100
332 97.4 76.0 114.0
141 35.7 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 40.075 ng

RT: 9.251 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-235

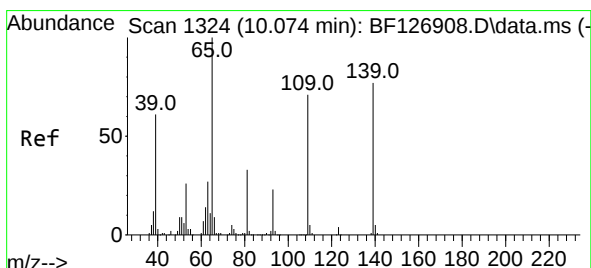
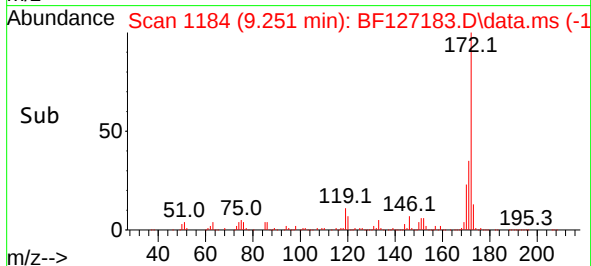
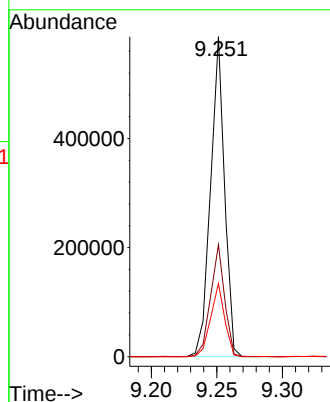
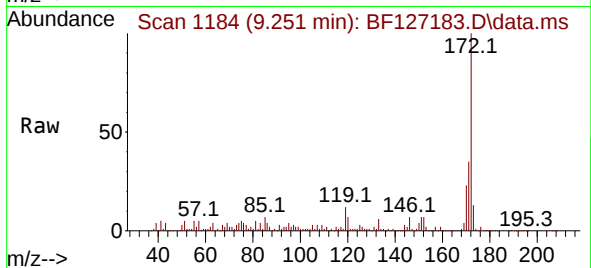
Tgt Ion:172 Resp: 436605

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 22.9 19.0 28.6



#56

4-Nitrophenol

Concen: 2.027 ng

RT: 10.034 min Scan# 1317

Delta R.T. -0.018 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

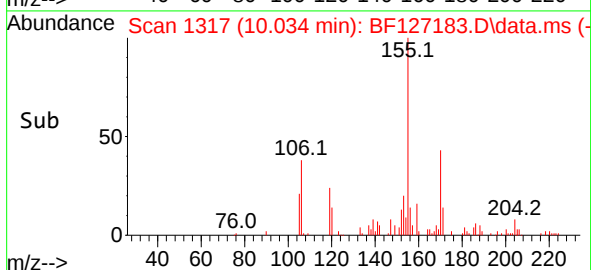
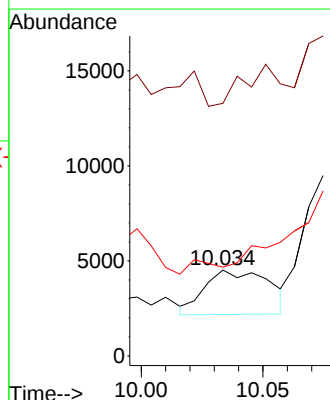
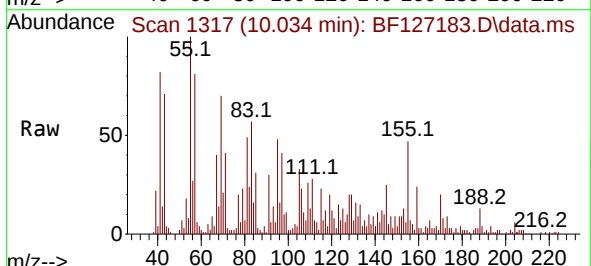
Tgt Ion:139 Resp: 4268

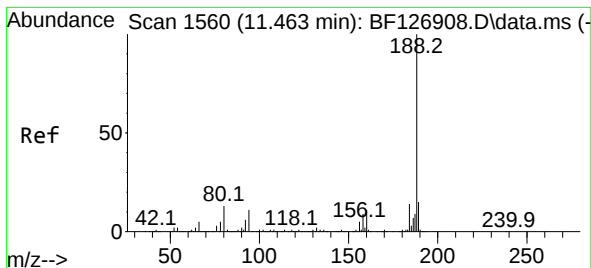
Ion Ratio Lower Upper

139 100

109 293.9 44.1 84.1#

65 103.3 85.5 125.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-235

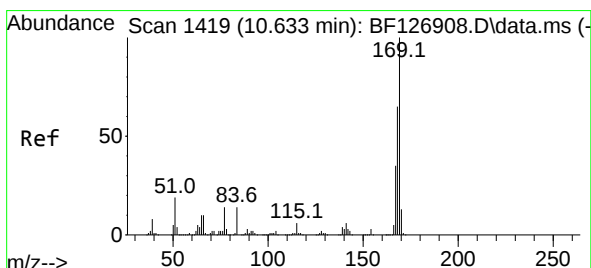
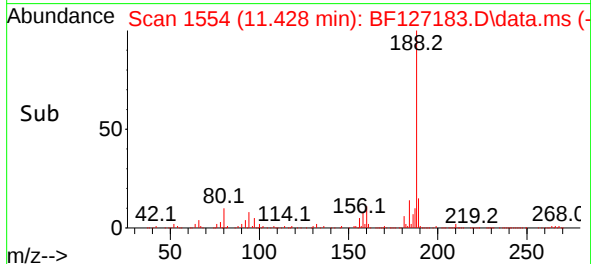
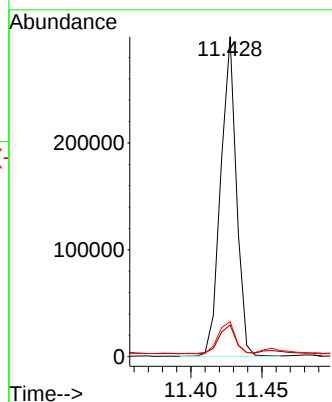
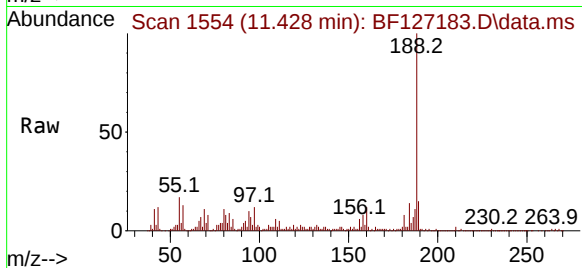
Tgt Ion:188 Resp: 230117

Ion Ratio Lower Upper

188 100

94 9.9 10.1 15.1#

80 11.0 11.8 17.6#



#66

n-Nitrosodiphenylamine

Concen: 2.482 ng

RT: 10.575 min Scan# 1409

Delta R.T. -0.023 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

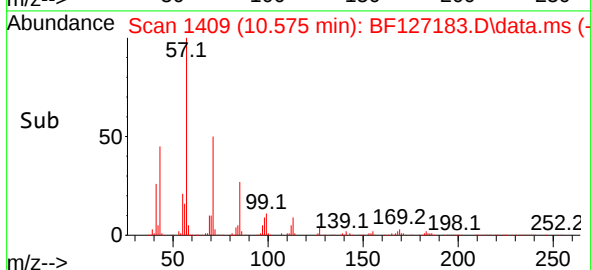
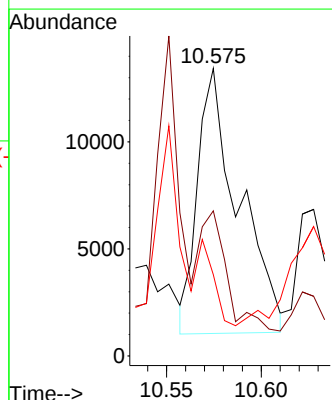
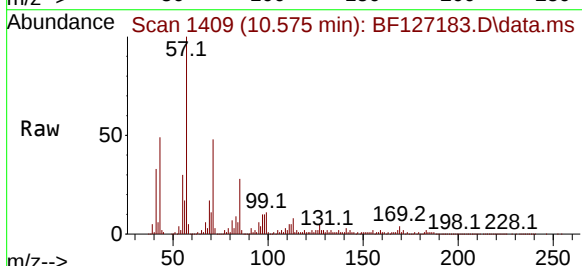
Tgt Ion:169 Resp: 18729

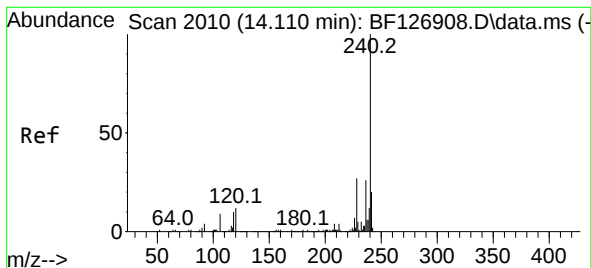
Ion Ratio Lower Upper

169 100

168 50.5 53.4 80.0#

167 28.3 29.4 44.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-235

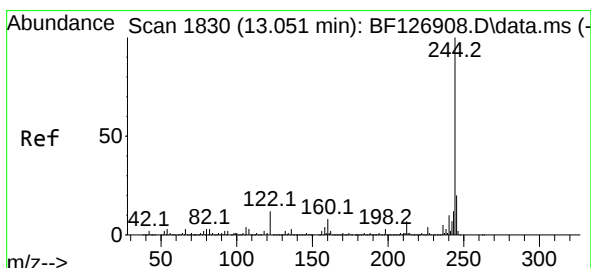
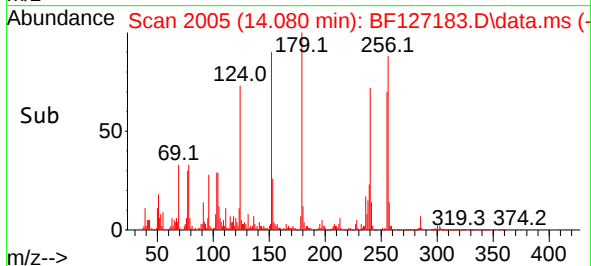
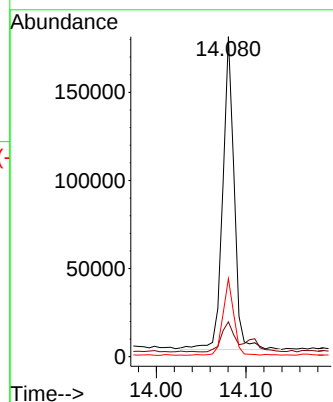
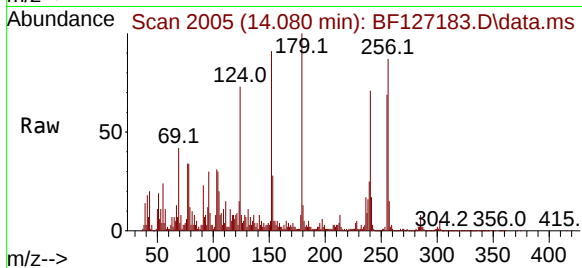
Tgt Ion:240 Resp: 157532

Ion Ratio Lower Upper

240 100

120 10.9 14.4 21.6#

236 24.4 20.5 30.7



#79

Terphenyl-d14

Concen: 27.208 ng

RT: 13.010 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

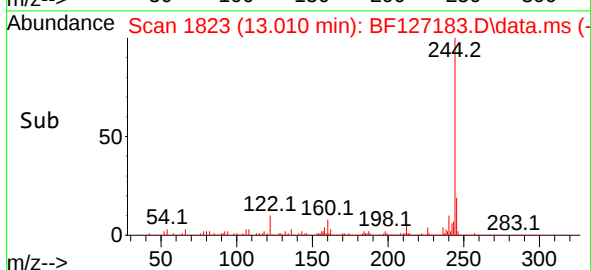
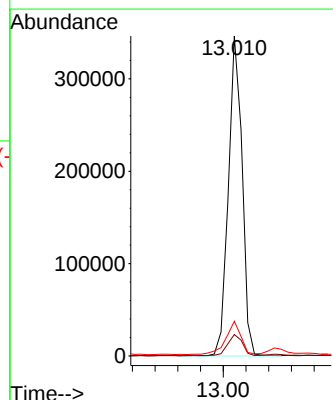
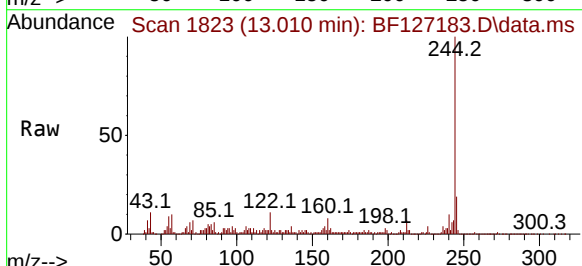
Tgt Ion:244 Resp: 291561

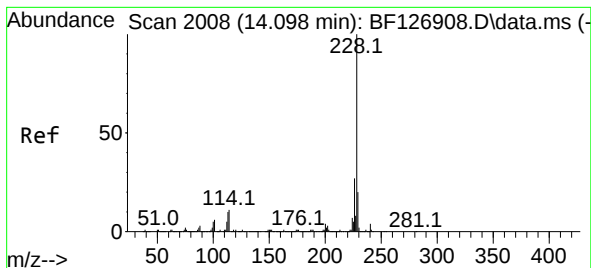
Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.4

122 10.8 13.3 19.9#





#81

Benzo(a)anthracene

Concen: 2.641 ng

RT: 14.080 min Scan# 2005

Delta R.T. 0.018 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-235

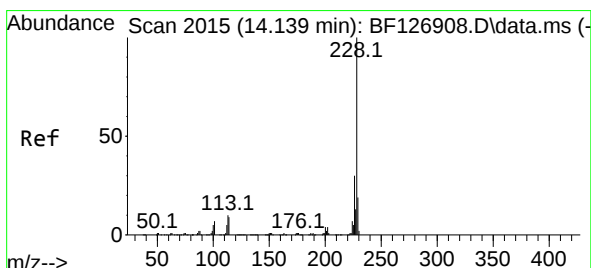
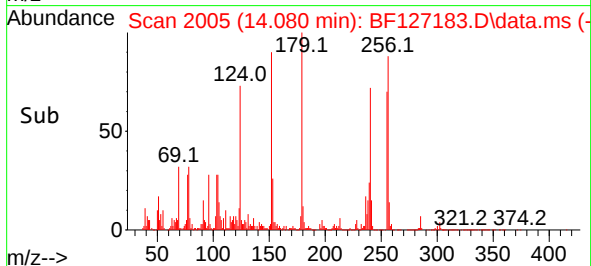
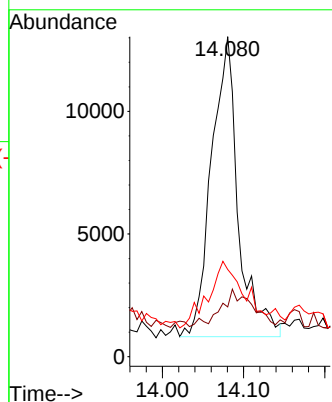
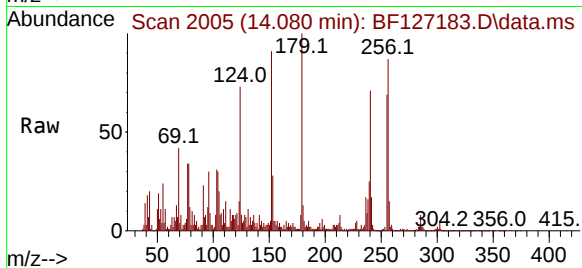
Tgt Ion:228 Resp: 28050

Ion Ratio Lower Upper

228 100

226 15.6 21.4 32.0#

229 27.3 15.4 23.2#



#83

Chrysene

Concen: 2.809 ng

RT: 14.080 min Scan# 2005

Delta R.T. -0.023 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

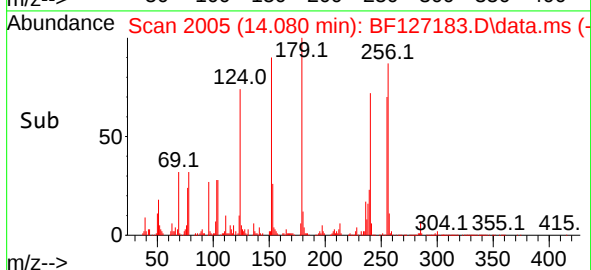
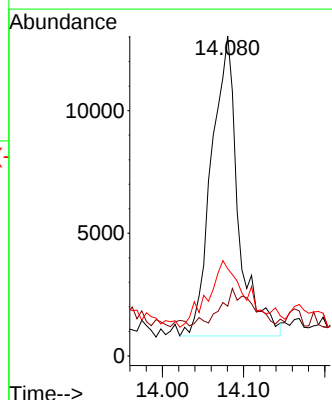
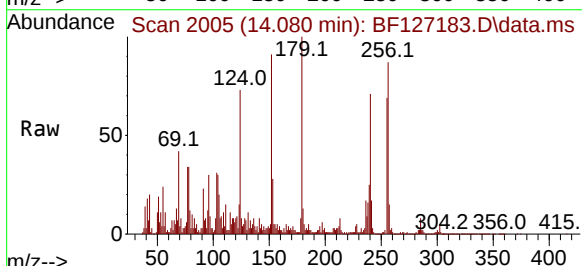
Tgt Ion:228 Resp: 28050

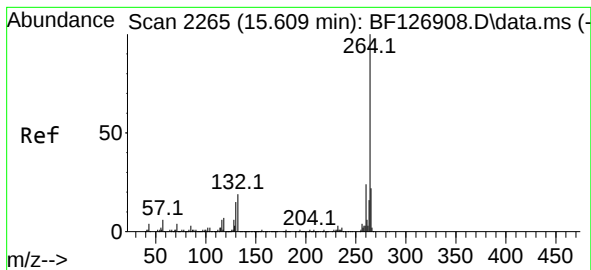
Ion Ratio Lower Upper

228 100

226 15.6 23.7 35.5#

229 27.3 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF127183.D

Acq: 03 Mar 2022 20:56

Instrument :

BNA_F

ClientSampleId :

VNJ-235

Tgt Ion:264 Resp: 137433

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.1 17.4 26.2

