

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081922\
 Data File : BF129930.D
 Acq On : 20 Aug 2022 02:23
 Operator : CG\JU
 Sample : N4213-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-209

Quant Time: Aug 20 07:59:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 20 07:47:33 2022
 Response via : Initial Calibration

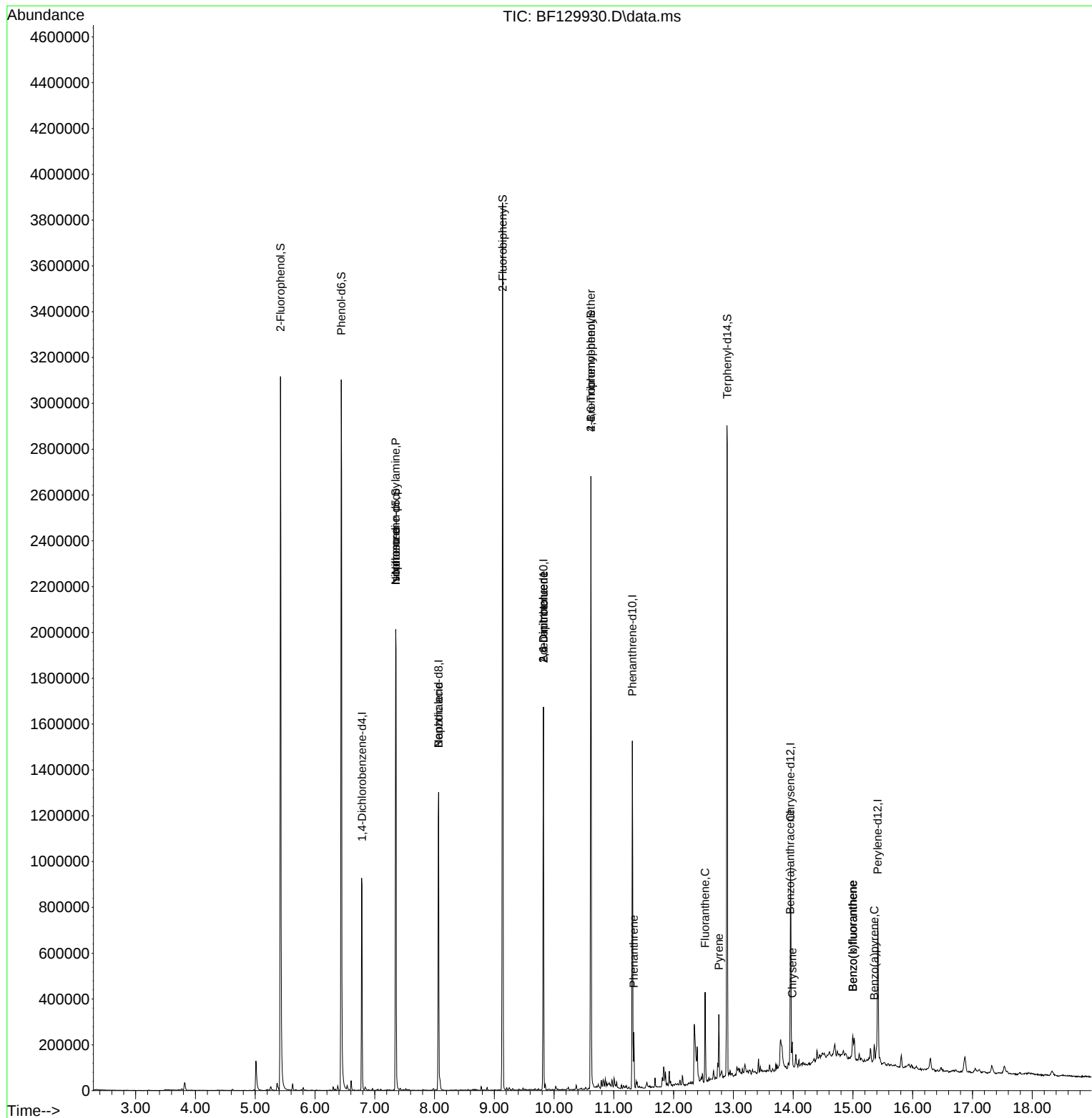
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	143756	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	583850	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	306450	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	501934	20.000	ng	0.00
76) Chrysene-d12	13.957	240	273001	20.000	ng	0.00
86) Perylene-d12	15.415	264	275136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	883876	101.800	ng	0.00
7) Phenol-d6	6.440	99	1129510	103.883	ng	0.00
23) Nitrobenzene-d5	7.351	82	694417	63.669	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	297918	96.862	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	1142145	56.606	ng	0.00
79) Terphenyl-d14	12.898	244	995695	60.687	ng	0.00
Target Compounds						
9) Benzaldehyde	6.340	77	438	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	93481	13.602	ng	# 77
25) Isophorone	7.351	82	694409	36.992	ng	# 65
32) Benzoic acid	8.069	122	86	2.181	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	41351	8.677	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	41351	6.684	ng	# 18
67) 4-Bromophenyl-phenylether	10.616	248	18647	3.172	ng	# 1
71) Phenanthrene	11.333	178	78965	2.817	ng	98
75) Fluoranthene	12.527	202	131738	4.592	ng	99
77) Benzidine	12.898	184	13407	Below Cal	#	92
78) Pyrene	12.757	202	103882	4.379	ng	100
81) Benzo(a)anthracene	13.951	228	40521	2.158	ng	96
83) Chrysene	13.986	228	42230	2.402	ng	98
88) Benzo(b)fluoranthene	14.998	252	70738	3.755	ng	99
89) Benzo(k)fluoranthene	14.998	252	70738	3.915	ng	98
90) Benzo(a)pyrene	15.357	252	35903	2.420	ng	# 97

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

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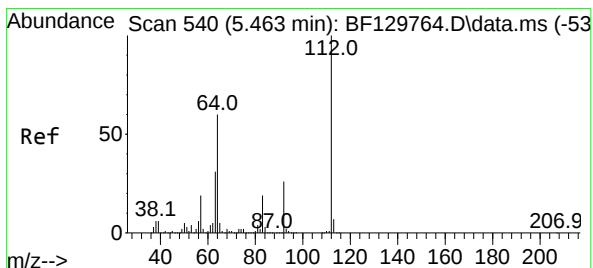
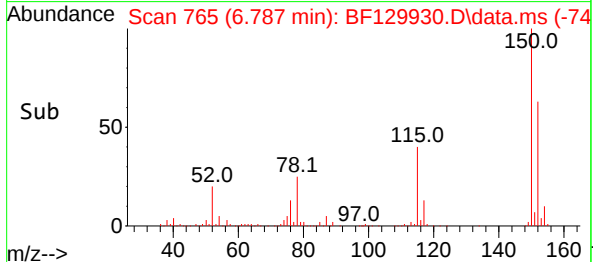
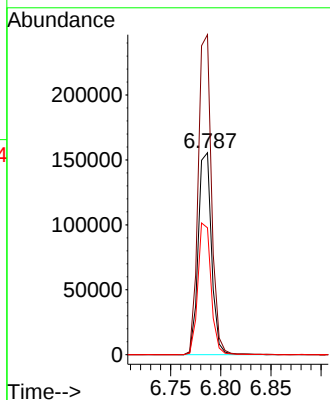
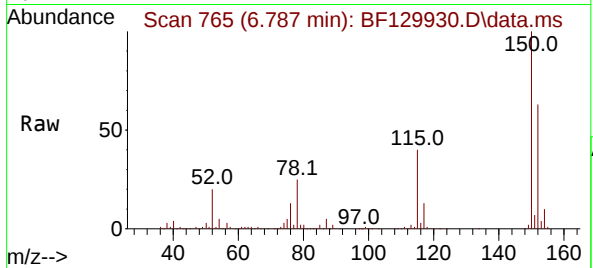




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

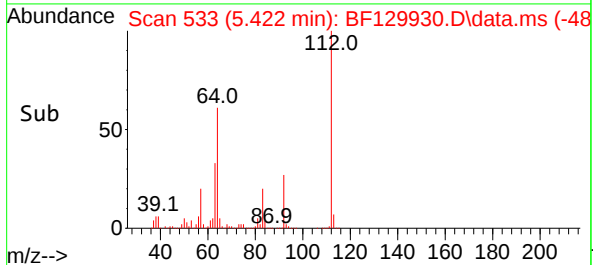
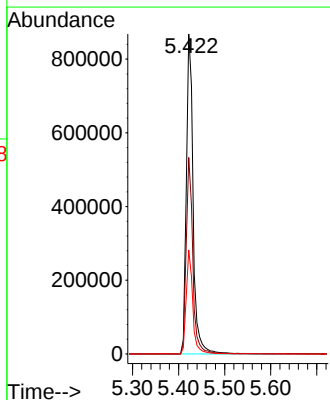
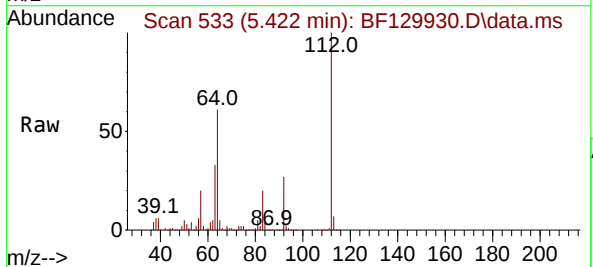
Instrument :
BNA_F
ClientSampleId :
VNJ-209

Tgt Ion:152 Resp: 143756
Ion Ratio Lower Upper
152 100
150 158.4 126.9 190.3
115 62.8 53.4 80.0



#5
2-Fluorophenol
Concen: 101.800 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.000 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion:112 Resp: 883876
Ion Ratio Lower Upper
112 100
64 61.4 47.6 71.4
63 32.5 24.6 37.0

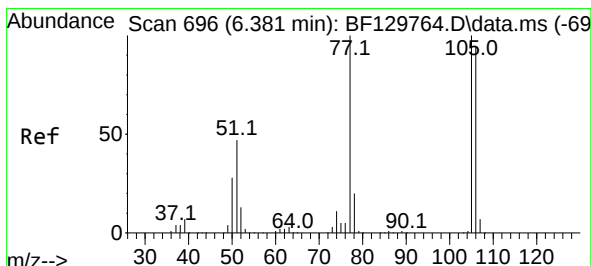
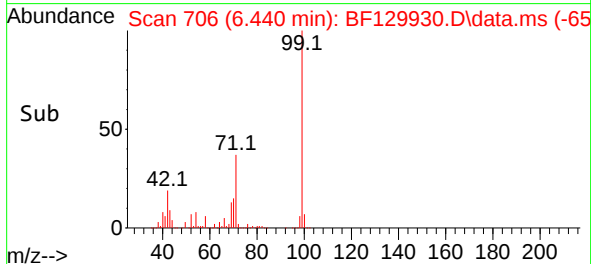
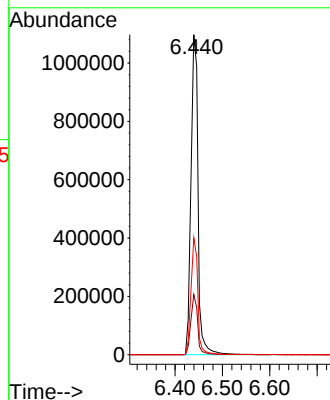
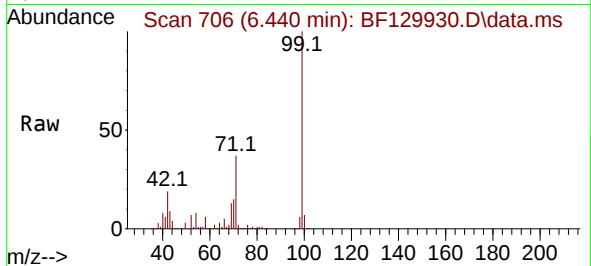




#7
Phenol-d6
Concen: 103.883 ng
RT: 6.440 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

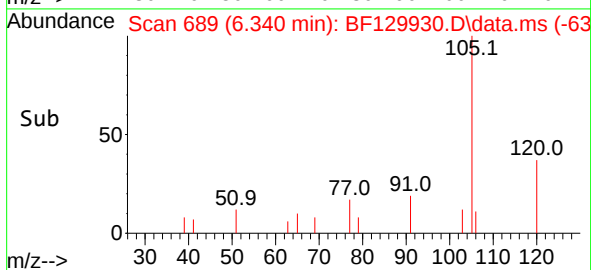
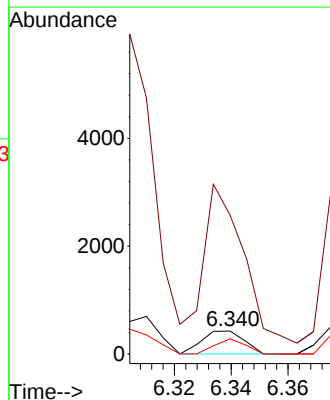
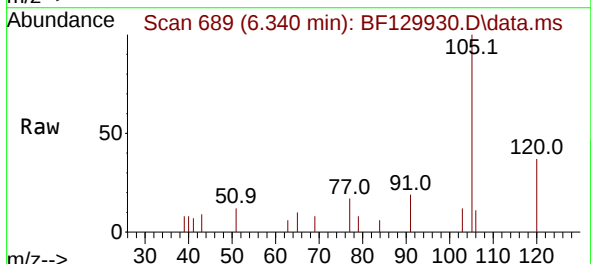
Instrument :
BNA_F
ClientSampleId :
VNJ-209

Tgt Ion: 99 Resp: 1129510
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.4
71 36.5 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.340 min Scan# 689
Delta R.T. -0.006 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion: 77 Resp: 438
Ion Ratio Lower Upper
77 100
105 604.0 80.3 120.3#
106 65.3 74.3 114.3#

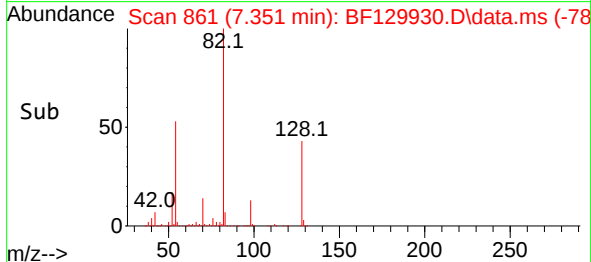
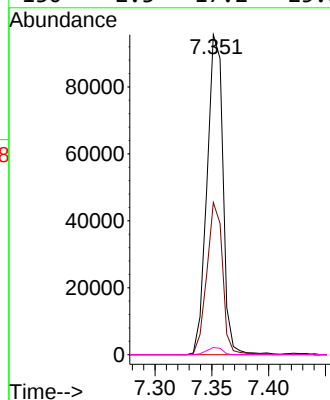
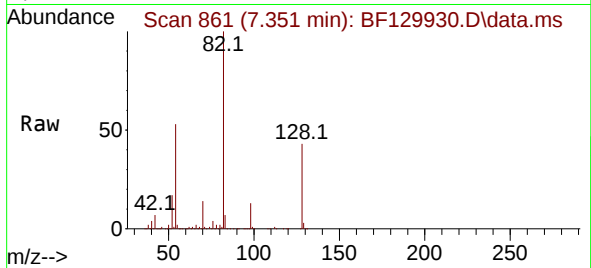




#19
n-Nitroso-di-n-propylamine
Concen: 13.602 ng
RT: 7.351 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

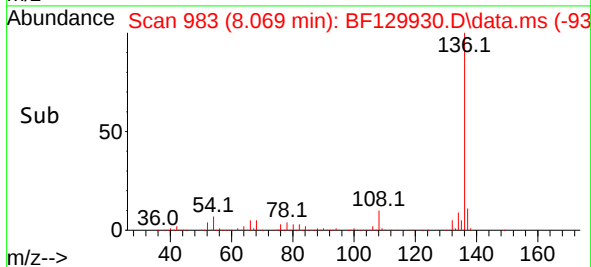
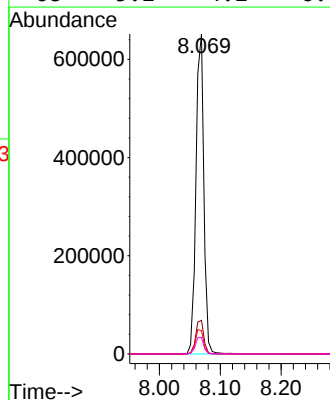
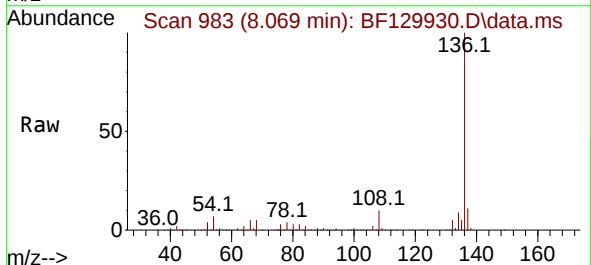
Instrument :
BNA_F
ClientSampleId :
VNJ-209

Tgt Ion: 70 Resp: 93481
Ion Ratio Lower Upper
70 100
42 47.6 47.6 71.4#
101 0.0 8.1 12.1#
130 2.3 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion:136 Resp: 583850
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 7.3 6.2 9.2
68 5.2 4.2 6.4

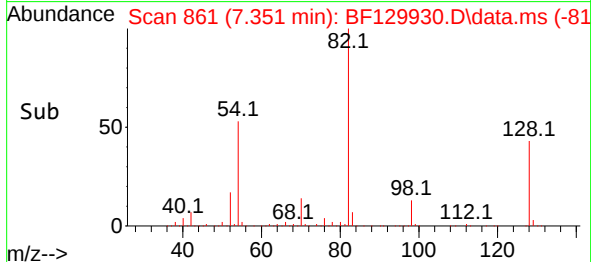
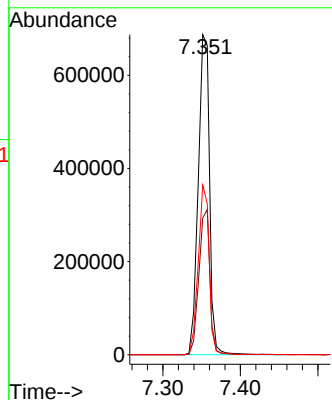
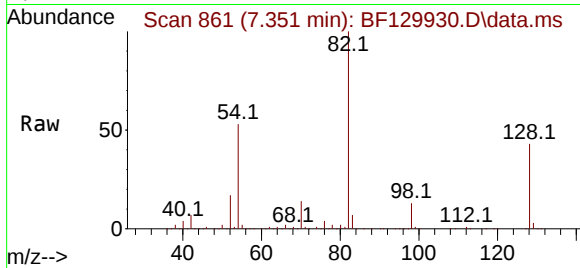




#23
Nitrobenzene-d5
Concen: 63.669 ng
RT: 7.351 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

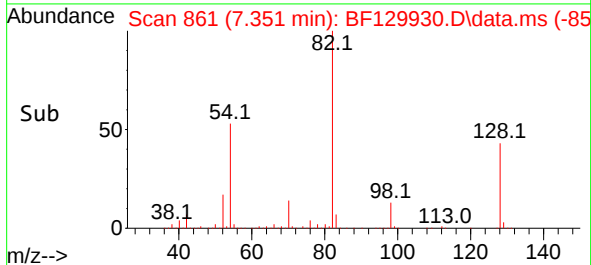
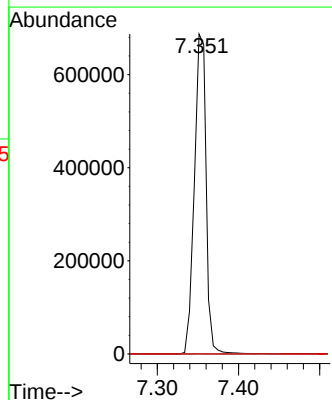
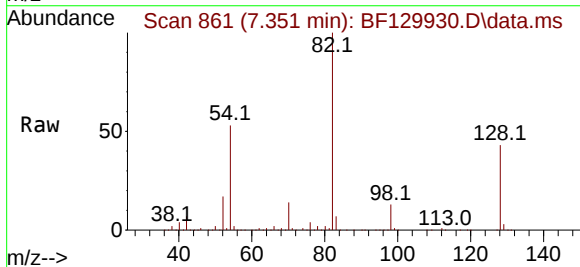
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ClientSampleId :
VNJ-209

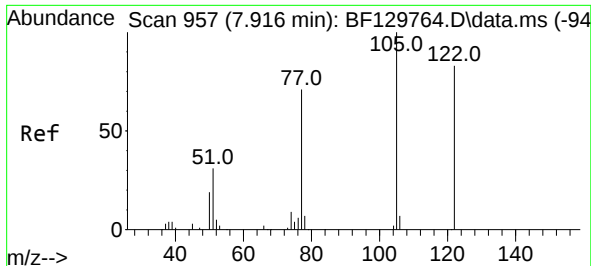
Tgt Ion: 82 Resp: 694417
Ion Ratio Lower Upper
82 100
128 42.8 36.1 54.1
54 53.0 40.0 60.0



#25
Isophorone
Concen: 36.992 ng
RT: 7.351 min Scan# 861
Delta R.T. -0.265 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion: 82 Resp: 694409
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

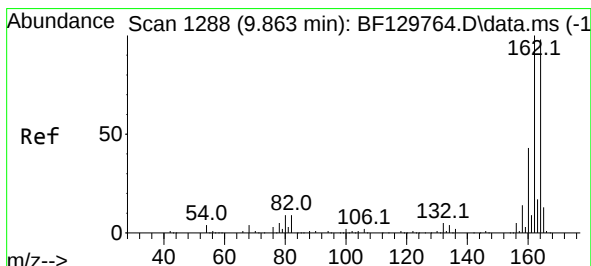
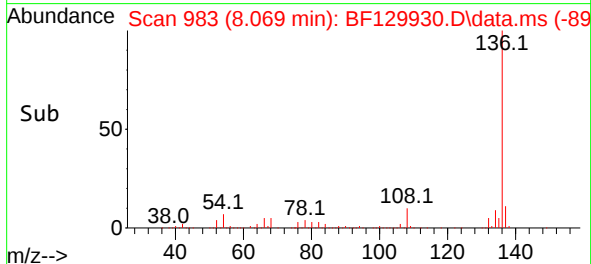
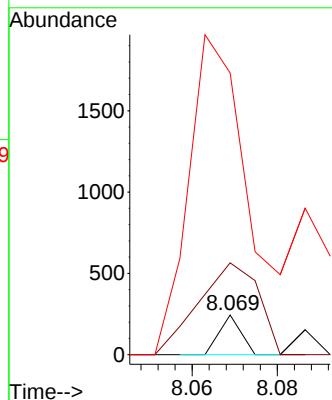
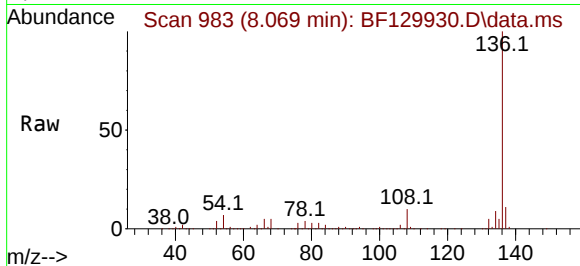




#32
Benzoic acid
Concen: 2.181 ng
RT: 8.069 min Scan# 91
Delta R.T. 0.194 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

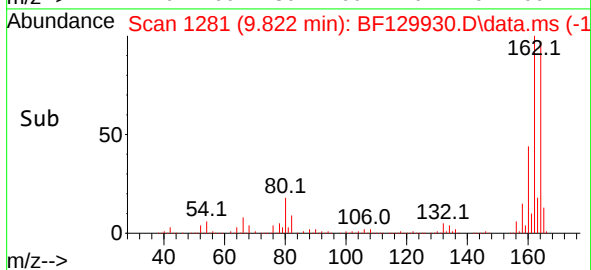
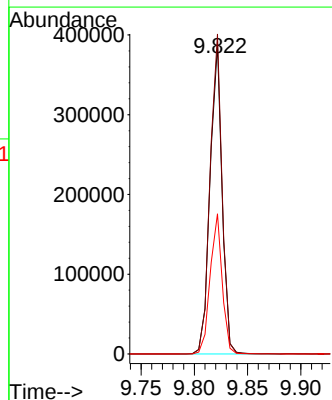
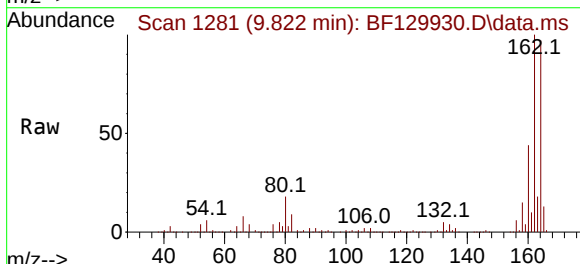
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ClientSampleId :
VNJ-209

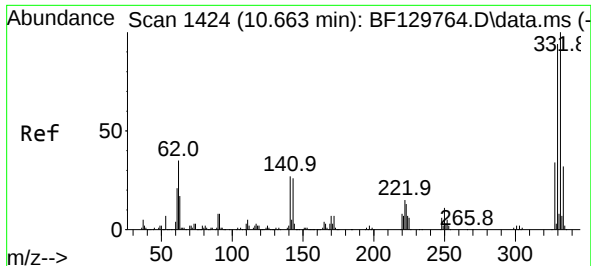
Tgt Ion:122 Resp: 86
Ion Ratio Lower Upper
122 100
105 231.6 99.9 139.9#
77 710.2 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion:164 Resp: 306450
Ion Ratio Lower Upper
164 100
162 103.5 82.0 123.0
160 45.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 96.862 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF129930.D

Acq: 20 Aug 2022 02:23

Instrument :

BNA_F

ClientSampleId :

VNJ-209

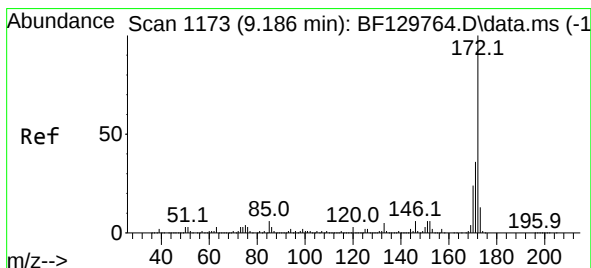
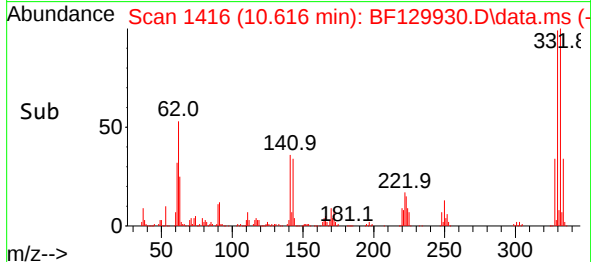
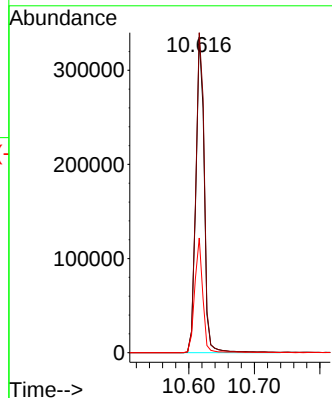
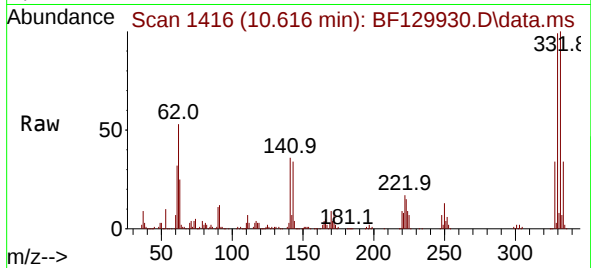
Tgt Ion:330 Resp: 297918

Ion Ratio Lower Upper

330 100

332 103.0 82.6 124.0

141 34.9 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 56.606 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF129930.D

Acq: 20 Aug 2022 02:23

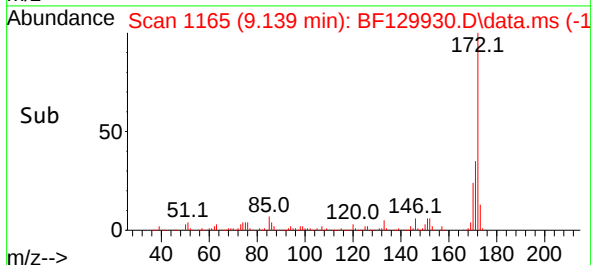
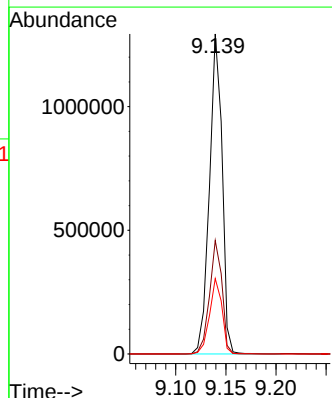
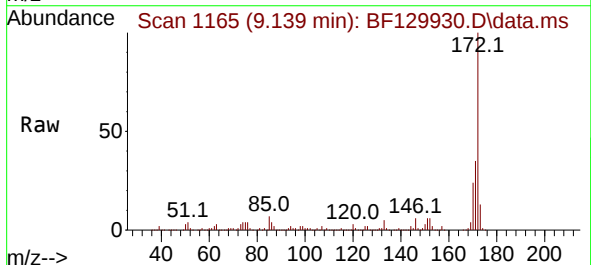
Tgt Ion:172 Resp: 1142145

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.6 19.1 28.7

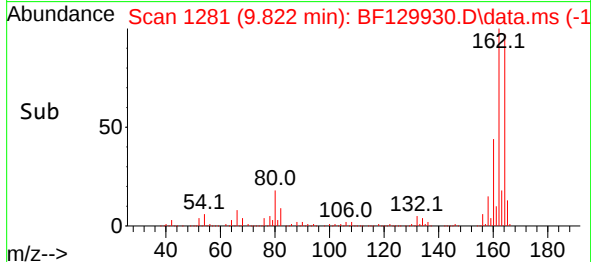
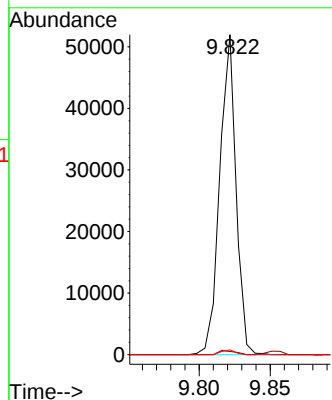
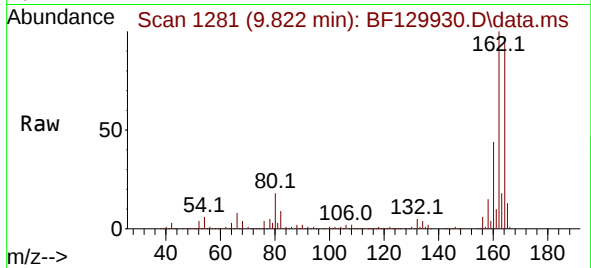




#51
2,6-Dinitrotoluene
Concen: 8.677 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

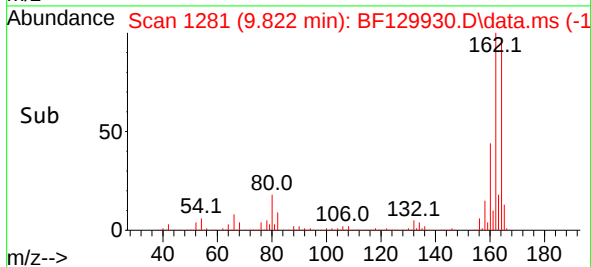
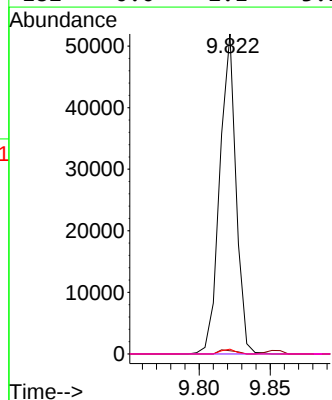
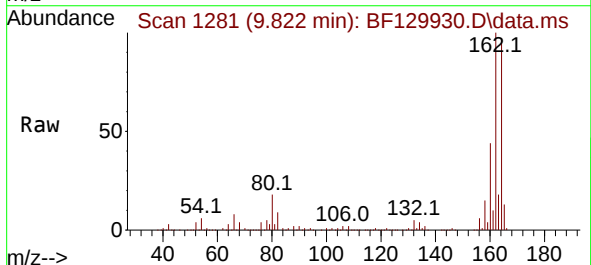
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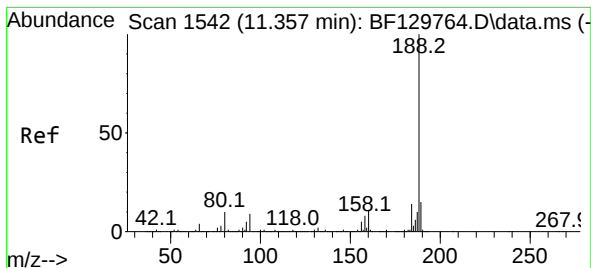
Tgt Ion:165 Resp: 41351
Ion Ratio Lower Upper
165 100
63 1.0 47.8 71.8#
89 1.5 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.684 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.212 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion:165 Resp: 41351
Ion Ratio Lower Upper
165 100
63 1.0 48.4 72.6#
89 1.5 62.3 93.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129930.D

Acq: 20 Aug 2022 02:23

Instrument :

BNA_F

ClientSampleId :

VNJ-209

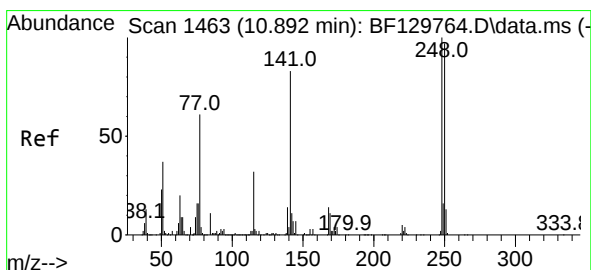
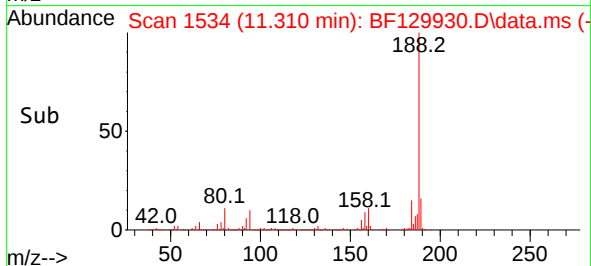
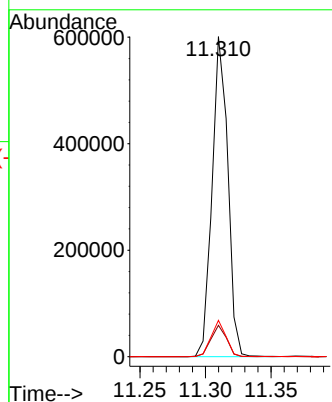
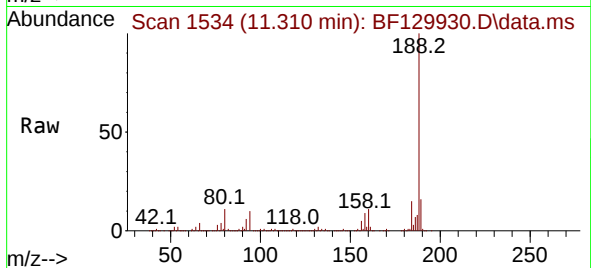
Tgt Ion:188 Resp: 501934

Ion Ratio Lower Upper

188 100

94 9.8 7.4 11.2

80 11.4 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.172 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.235 min

Lab File: BF129930.D

Acq: 20 Aug 2022 02:23

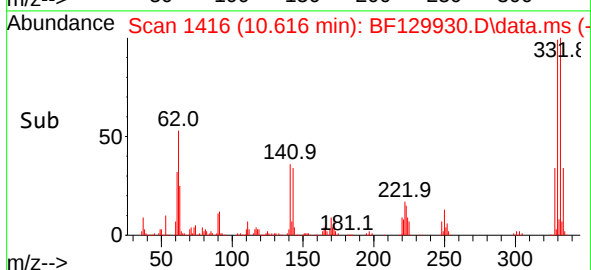
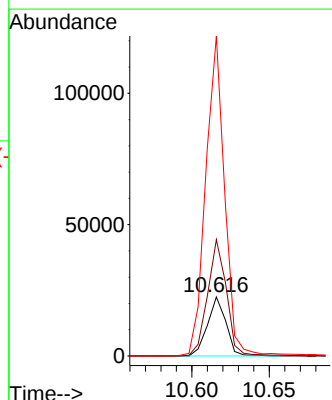
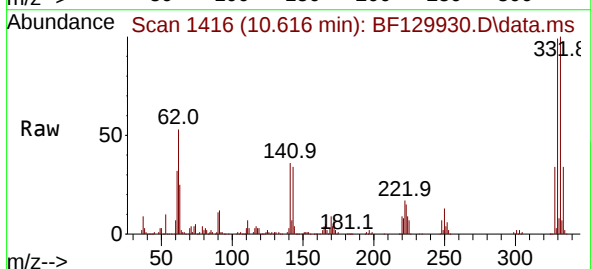
Tgt Ion:248 Resp: 18647

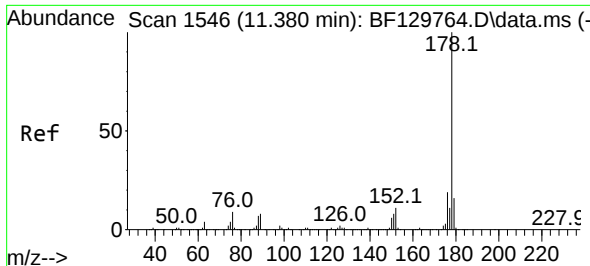
Ion Ratio Lower Upper

248 100

250 197.1 77.8 116.6#

141 542.0 66.2 99.2#

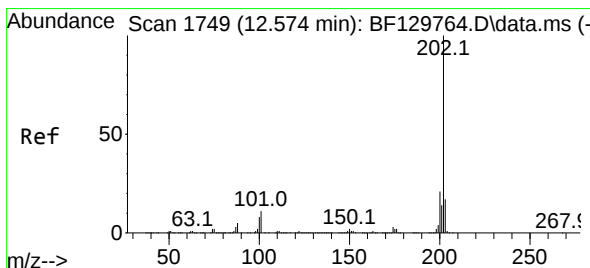
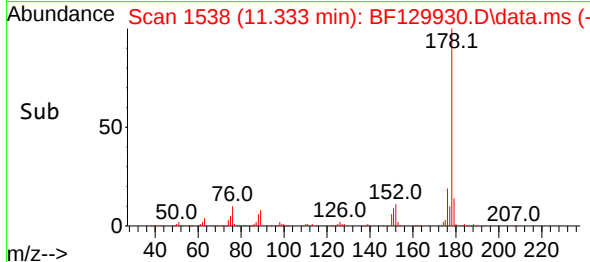
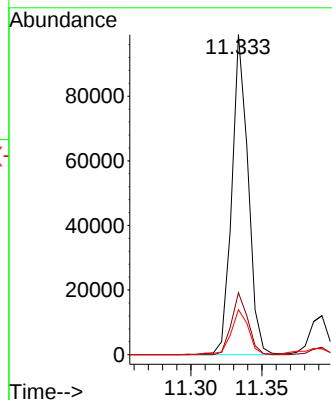
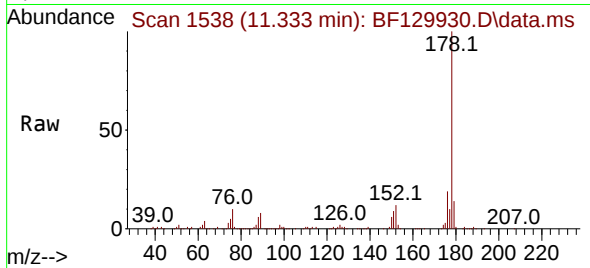




#71
Phenanthrene
Concen: 2.817 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

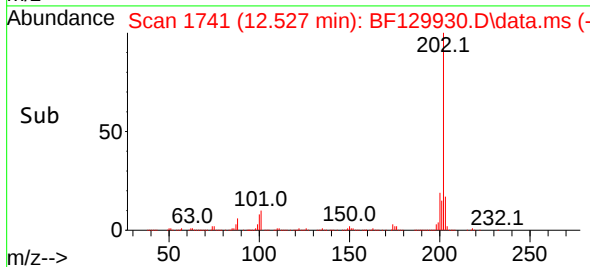
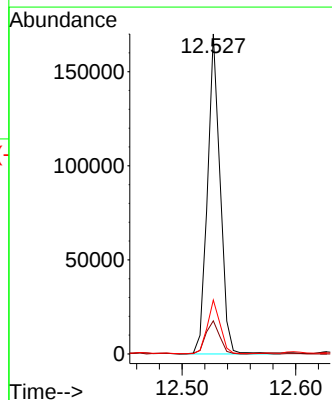
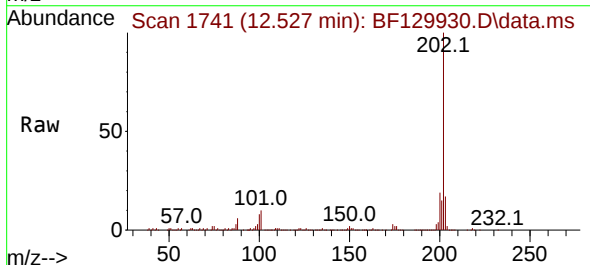
Instrument :
BNA_F
ClientSampleId :
VNJ-209

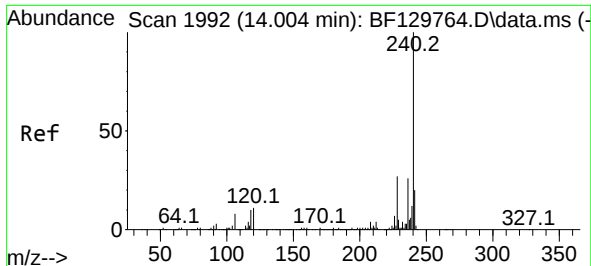
Tgt Ion:178 Resp: 78965
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 14.1 12.5 18.7



#75
Fluoranthene
Concen: 4.592 ng
RT: 12.527 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion:202 Resp: 131738
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.7
203 16.8 0.0 37.5

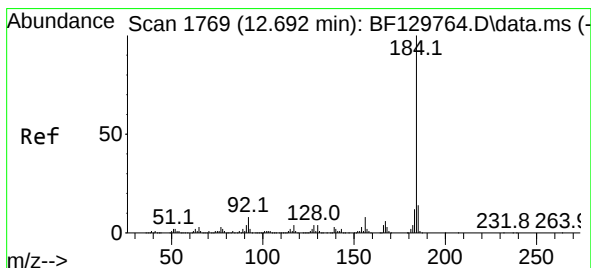
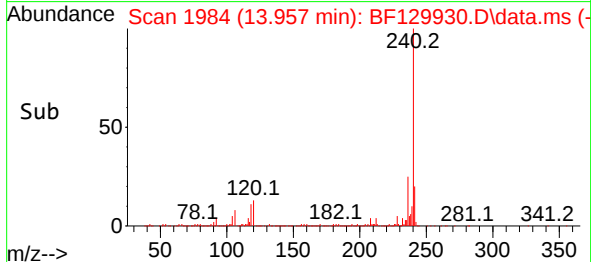
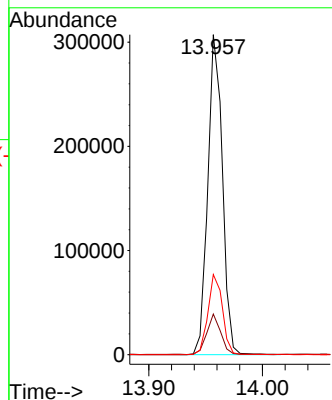
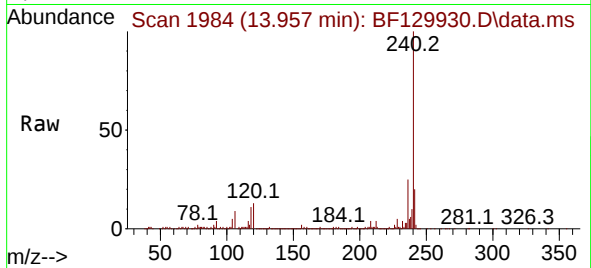




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

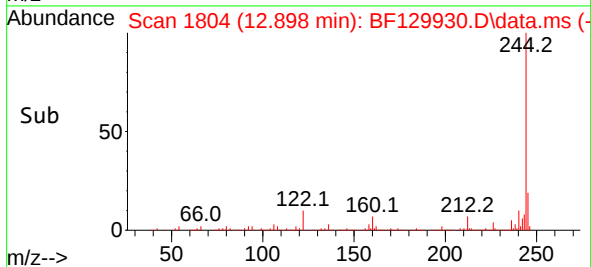
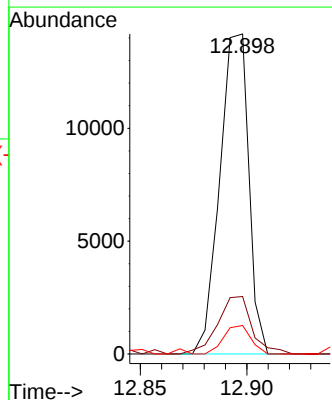
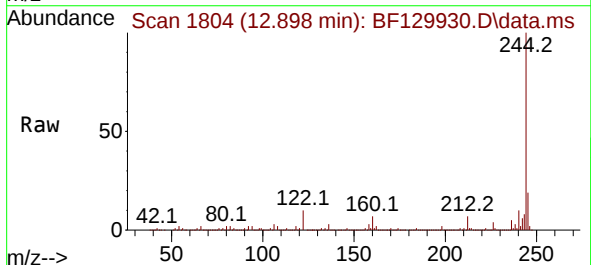
Instrument :
BNA_F
ClientSampleId :
VNJ-209

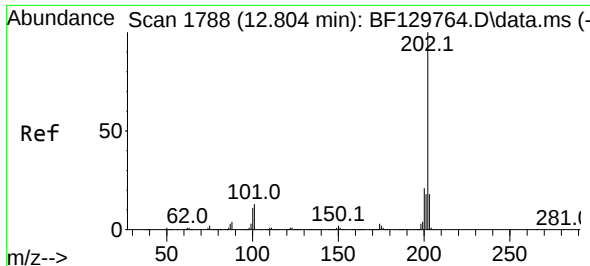
Tgt Ion:240 Resp: 273001
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 25.0 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.898 min Scan# 1804
Delta R.T. 0.241 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion:184 Resp: 13407
Ion Ratio Lower Upper
184 100
185 18.0 11.4 17.2#
183 8.9 9.4 14.2#

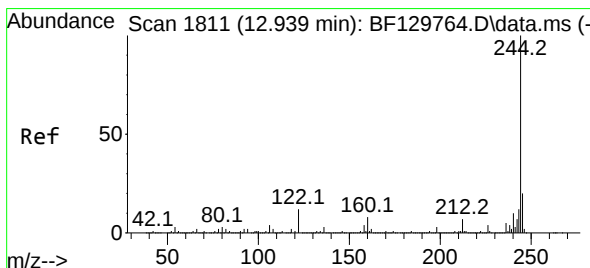
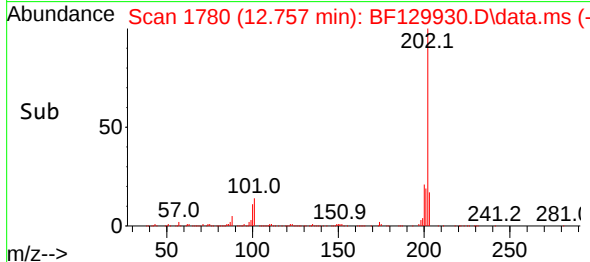
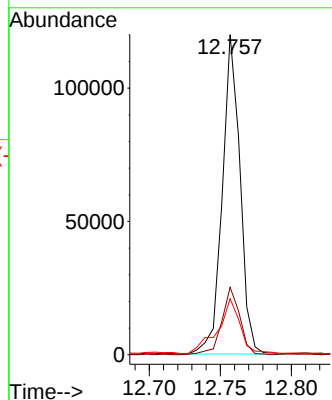
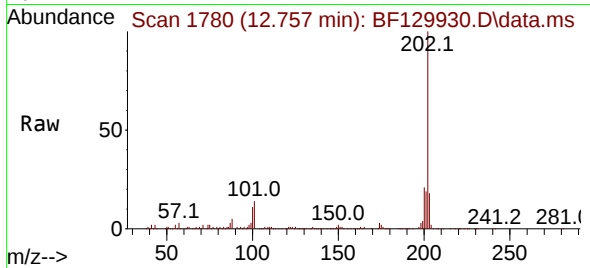




#78
Pyrene
Concen: 4.379 ng
RT: 12.757 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

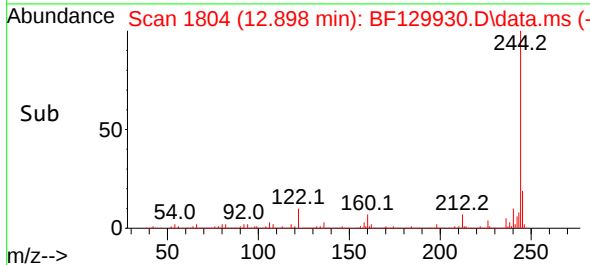
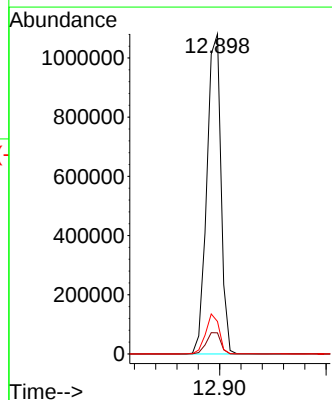
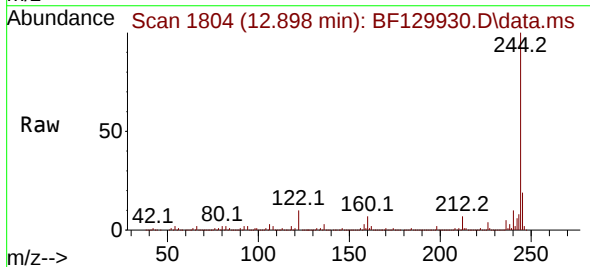
Instrument :
BNA_F
ClientSampleId :
VNJ-209

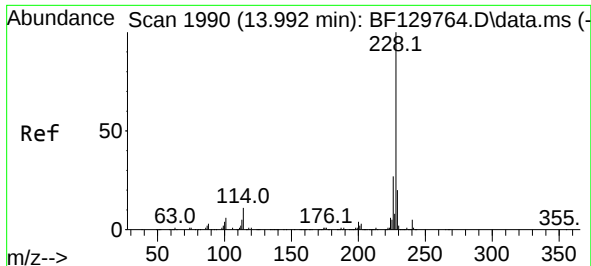
Tgt Ion:202 Resp: 103882
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 17.5 14.1 21.1



#79
Terphenyl-d14
Concen: 60.687 ng
RT: 12.898 min Scan# 1804
Delta R.T. 0.000 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion:244 Resp: 995695
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 10.2 9.9 14.9

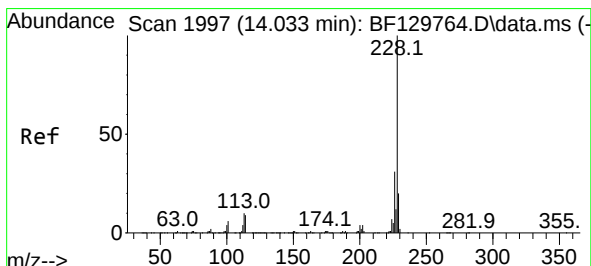
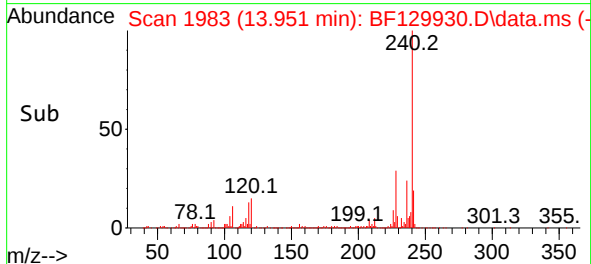
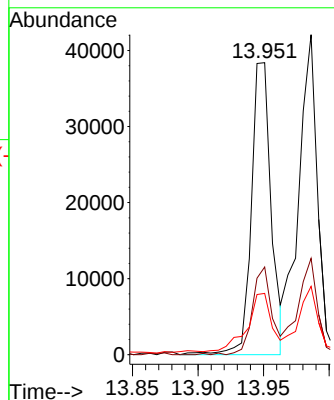
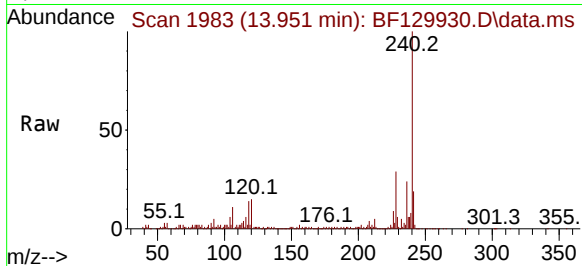




#81
Benzo(a)anthracene
Concen: 2.158 ng
RT: 13.951 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

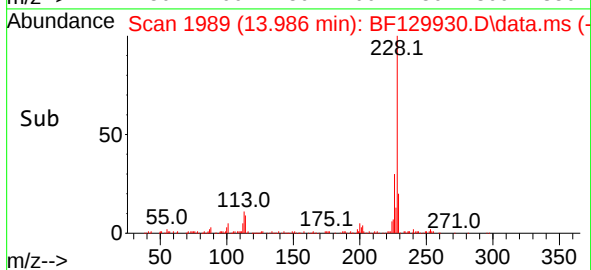
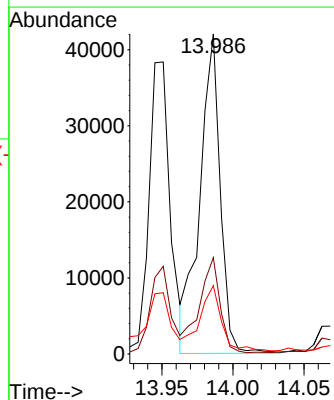
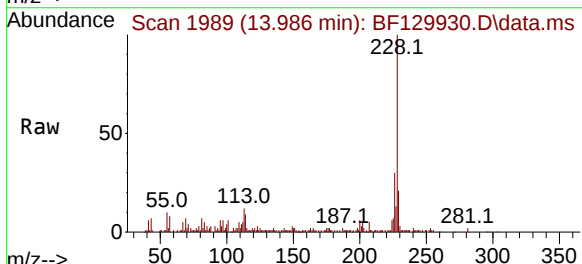
Instrument :
BNA_F
ClientSampleId :
VNJ-209

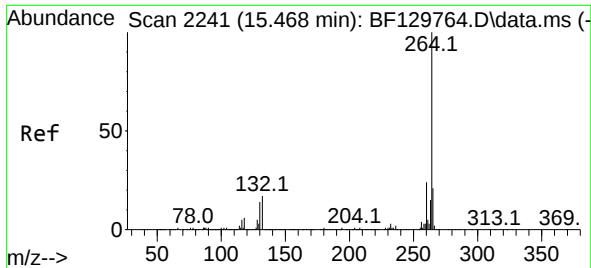
Tgt Ion:228 Resp: 40521
Ion Ratio Lower Upper
228 100
226 30.0 21.4 32.0
229 21.0 16.1 24.1



#83
Chrysene
Concen: 2.402 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF129930.D
Acq: 20 Aug 2022 02:23

Tgt Ion:228 Resp: 42230
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 21.4 15.9 23.9

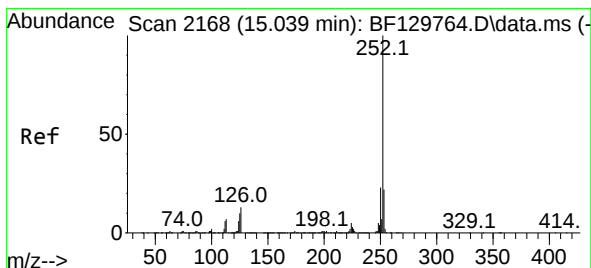
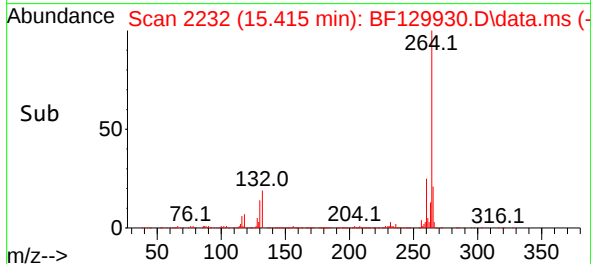
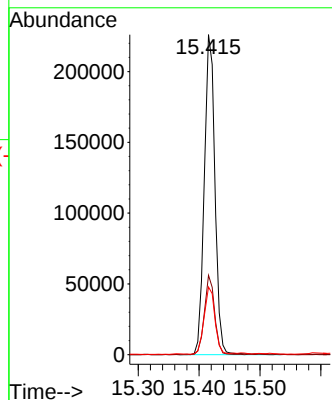
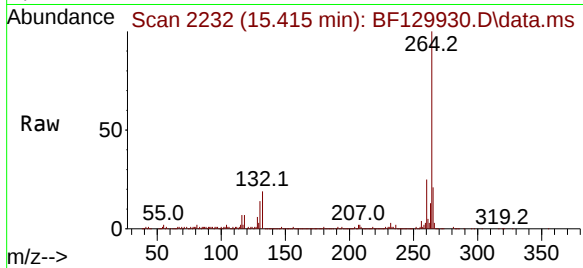




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF129930.D
 Acq: 20 Aug 2022 02:23

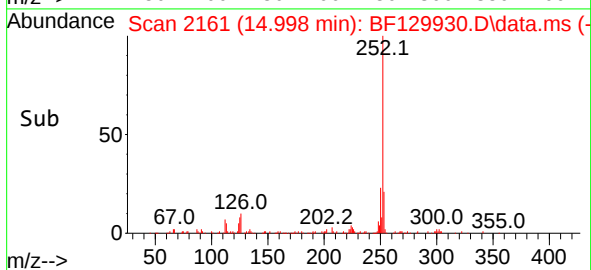
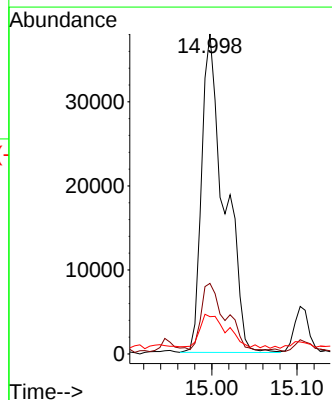
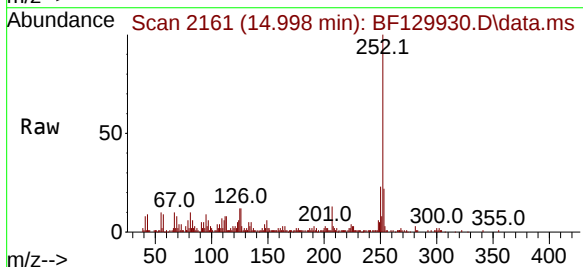
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-209

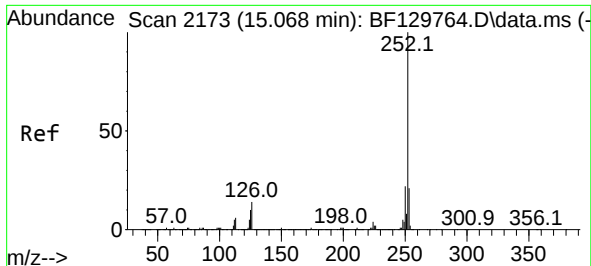
Tgt Ion:264 Resp: 275136
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.1 28.7
 265 21.1 16.7 25.1



#88
 Benzo(b)fluoranthene
 Concen: 3.755 ng
 RT: 14.998 min Scan# 2161
 Delta R.T. 0.000 min
 Lab File: BF129930.D
 Acq: 20 Aug 2022 02:23

Tgt Ion:252 Resp: 70738
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 11.7 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 3.915 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF129930.D

Acq: 20 Aug 2022 02:23

Instrument :

BNA_F

ClientSampleId :

VNJ-209

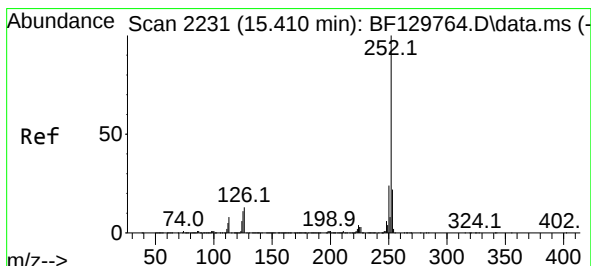
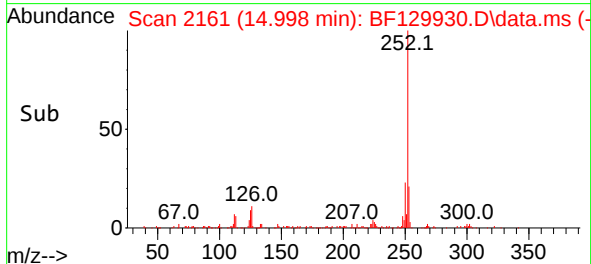
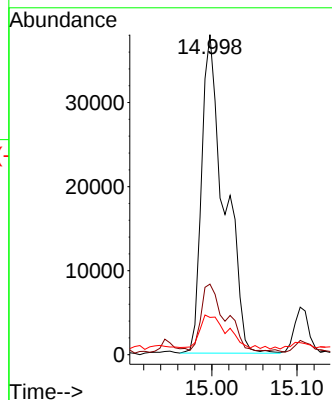
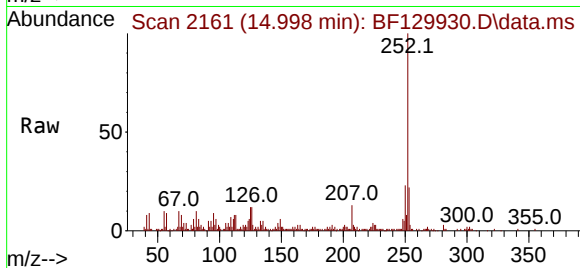
Tgt Ion:252 Resp: 70738

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 11.7 8.3 12.5



#90

Benzo(a)pyrene

Concen: 2.420 ng

RT: 15.357 min Scan# 2222

Delta R.T. 0.000 min

Lab File: BF129930.D

Acq: 20 Aug 2022 02:23

Tgt Ion:252 Resp: 35903

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 14.3 8.8 13.2#

