

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072021\
 Data File : BF124631.D
 Acq On : 20 Jul 2021 15:22
 Operator : JU/CG
 Sample : M3056-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-239

Quant Time: Jul 20 15:43:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 20 13:36:28 2021
 Response via : Initial Calibration

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

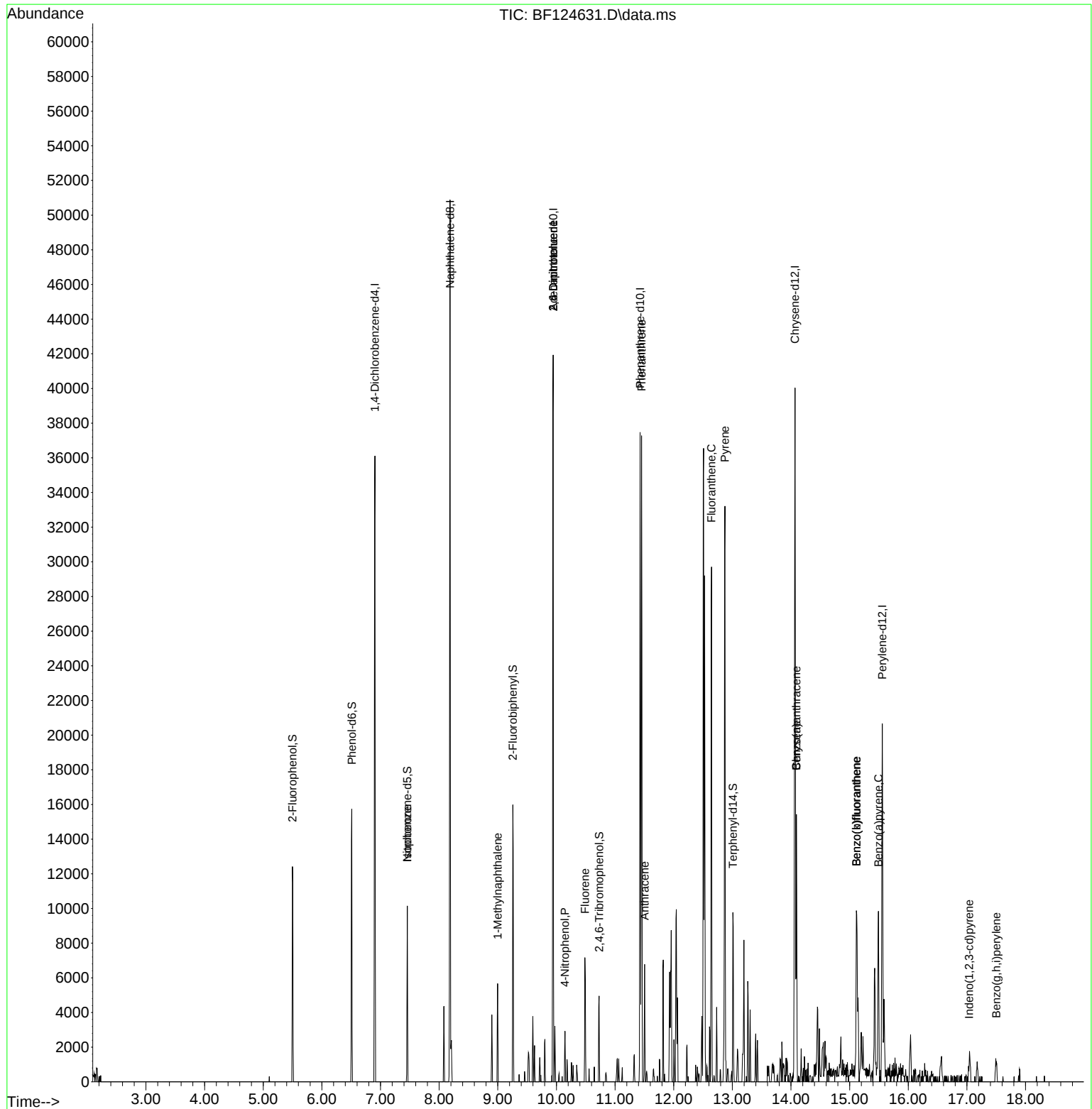
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	5683	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	21217	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	8882	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	13931	20.000	ng	0.00
76) Chrysene-d12	14.068	240	12428	20.000	ng	# 0.00
86) Perylene-d12	15.556	264	10364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	3965	12.088	ng	-0.02
7) Phenol-d6	6.510	99	4859	12.177	ng	-0.02
23) Nitrobenzene-d5	7.457	82	2688	7.998	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	632	9.144	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	5882	9.657	ng	-0.01
79) Terphenyl-d14	13.010	244	4995	6.749	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.457	82	2688	4.357	ng	# 59
38) 1-Methylnaphthalene	8.998	142	1792	2.577	ng	88
51) 2,6-Dinitrotoluene	9.945	165	1192	9.785	ng	# 26
56) 4-Nitrophenol	10.145	139	344	3.040	ng	# 10
57) 2,4-Dinitrotoluene	9.945	165	1192	7.147	ng	# 18
58) Fluorene	10.486	166	2322	3.869	ng	90
71) Phenanthrene	11.451	178	14294	18.807	ng	97
72) Anthracene	11.504	178	3031	3.975	ng	97
75) Fluoranthene	12.645	202	13056	17.026	ng	95
78) Pyrene	12.874	202	15320	14.837	ng	96
81) Benzo(a)anthracene	14.092	228	6900	8.371	ng	95
83) Chrysene	14.092	228	6900	8.739	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	2069	3.442	ng	# 60
88) Benzo(b)fluoranthene	15.115	252	9229	12.406	ng	# 89
89) Benzo(k)fluoranthene	15.115	252	9229	13.522	ng	# 88
90) Benzo(a)pyrene	15.492	252	4953	8.066	ng	98
92) Benzo(g,h,i)perylene	17.503	276	1914	3.832	ng	# 47

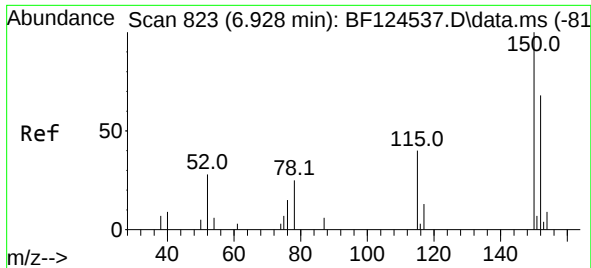
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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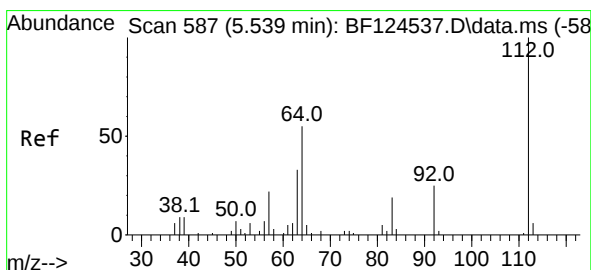
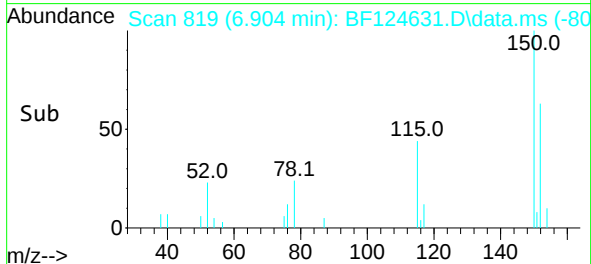
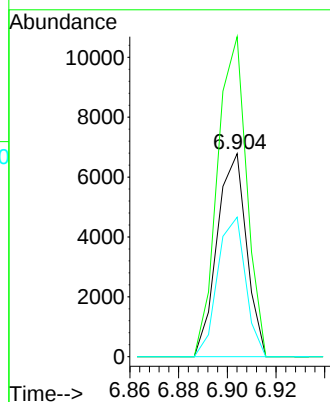
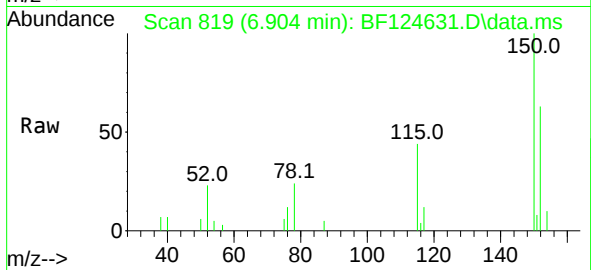




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

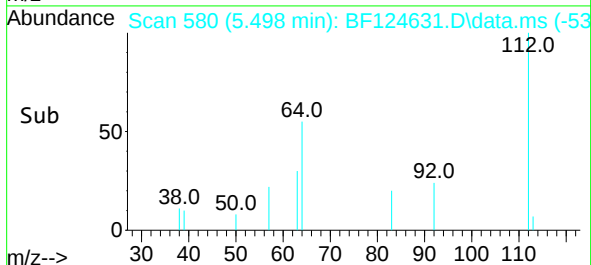
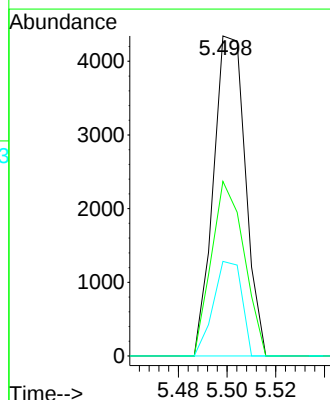
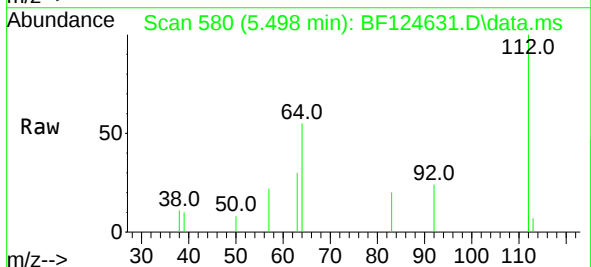
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BNA_F
ClientSampleId :
RO-VNJ-239

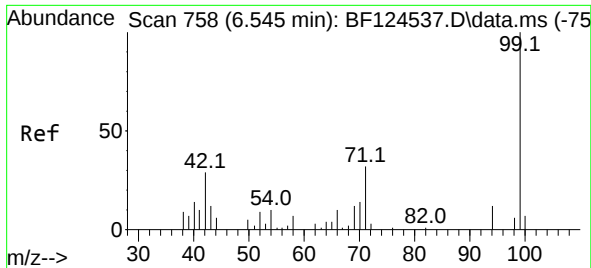
Tgt Ion:152 Resp: 5683
Ion Ratio Lower Upper
152 100
150 157.7 117.6 176.4
115 68.7 47.1 70.7



#5
2-Fluorophenol
Concen: 12.088 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.024 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:112 Resp: 3965
Ion Ratio Lower Upper
112 100
64 54.6 44.2 66.2
63 29.6 26.2 39.2

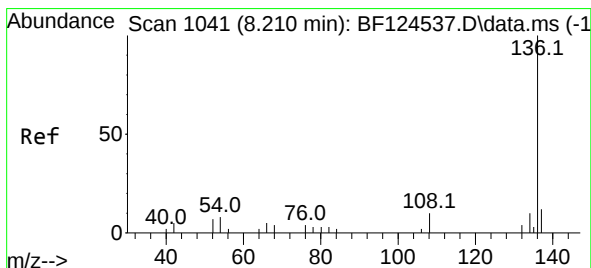
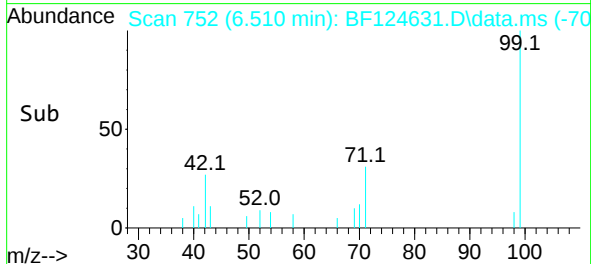
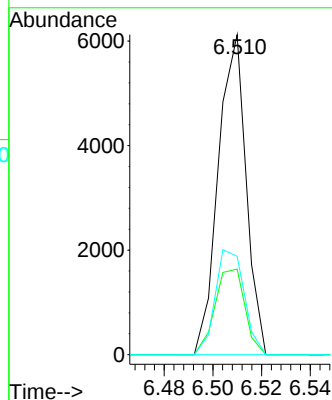
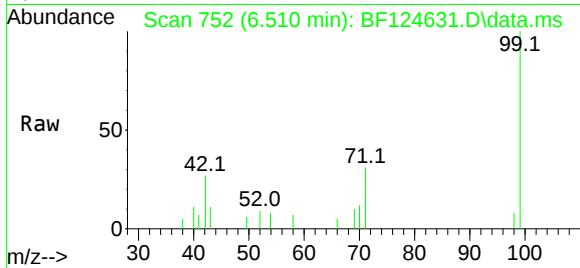




#7
Phenol-d6
Concen: 12.177 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.018 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

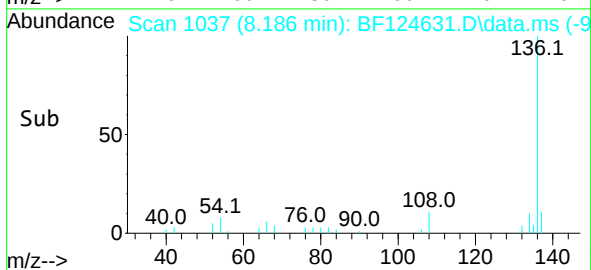
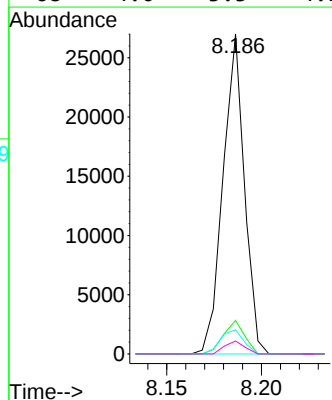
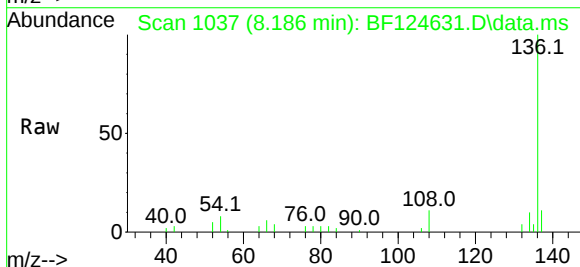
Instrument :
BNA_F
ClientSampled :
RO-VNJ-239

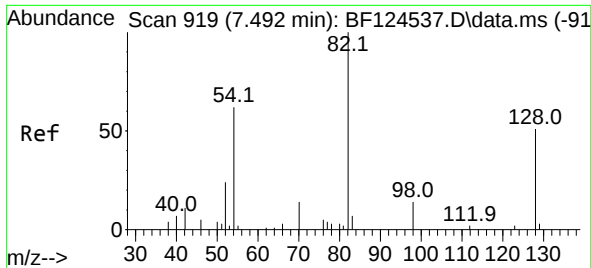
Tgt Ion:	99	Resp:	4859
Ion	Ratio	Lower	Upper
99	100		
42	26.8	23.5	35.3
71	30.7	25.6	38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:	136	Resp:	21217
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	7.6	6.4	9.6
68	4.0	3.3	4.9

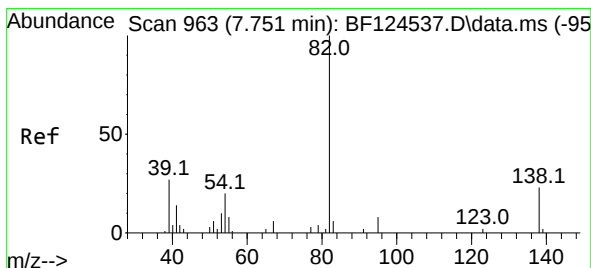
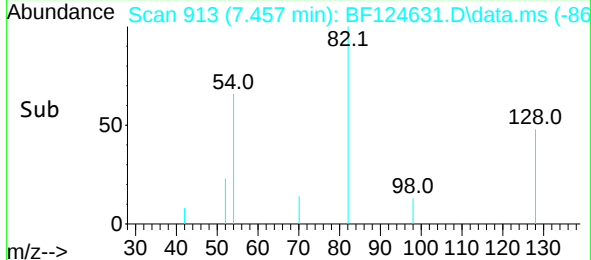
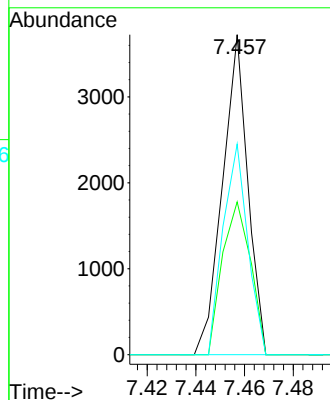
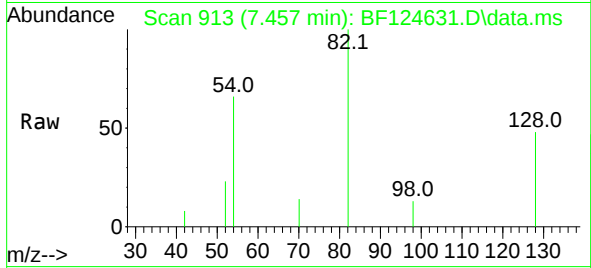




#23
Nitrobenzene-d5
Concen: 7.998 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.018 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

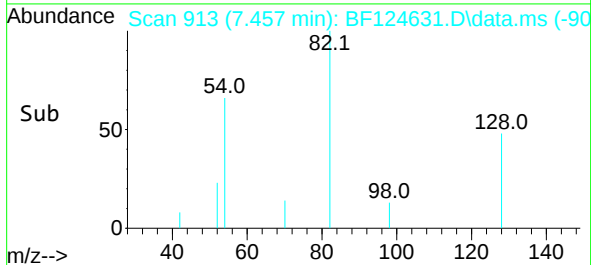
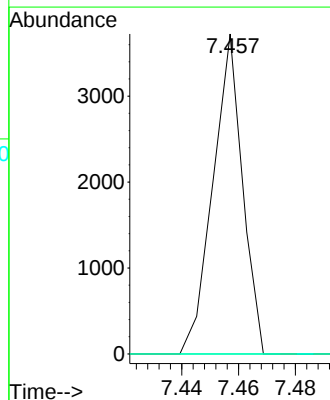
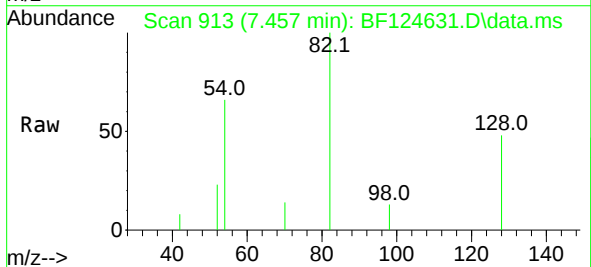
Instrument :
BNA_F
ClientSampled :
RO-VNJ-239

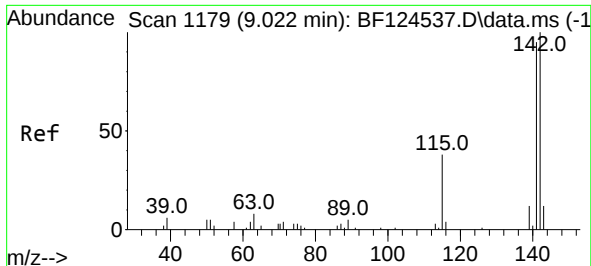
Tgt Ion: 82 Resp: 2688
Ion Ratio Lower Upper
82 100
128 47.8 40.6 60.8
54 65.8 49.6 74.4



#25
Isophorone
Concen: 4.357 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.276 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 82 Resp: 2688
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#

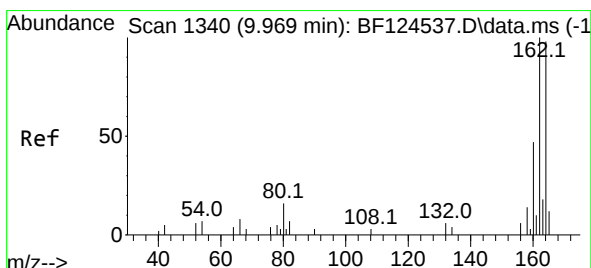
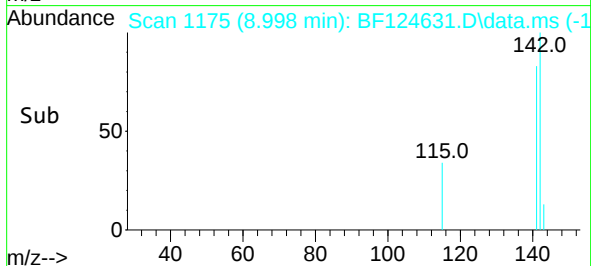
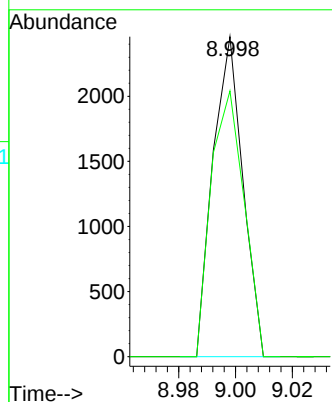
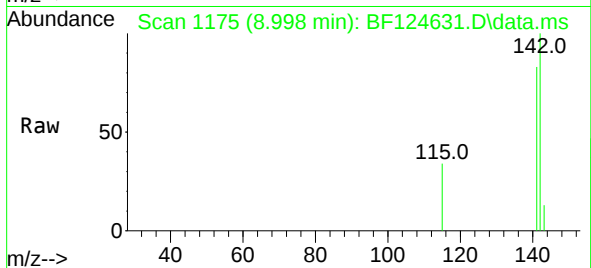




#38
1-Methylnaphthalene
Concen: 2.577 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

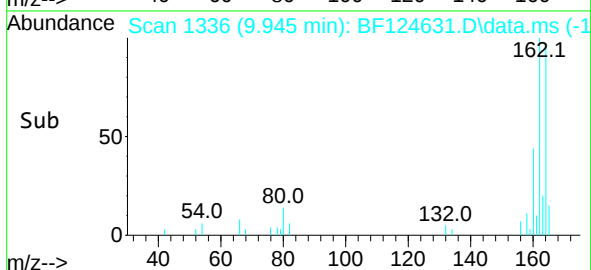
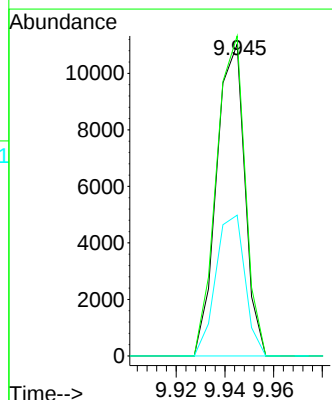
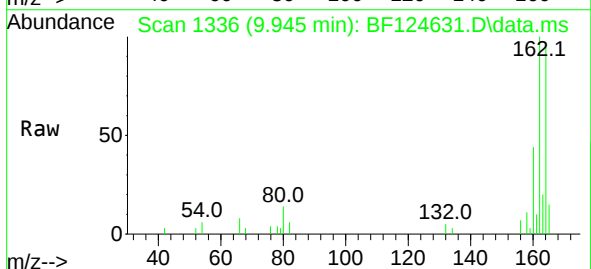
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239

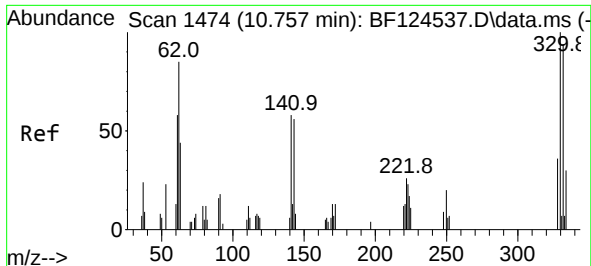
Tgt Ion:142 Resp: 1792
Ion Ratio Lower Upper
142 100
141 83.0 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

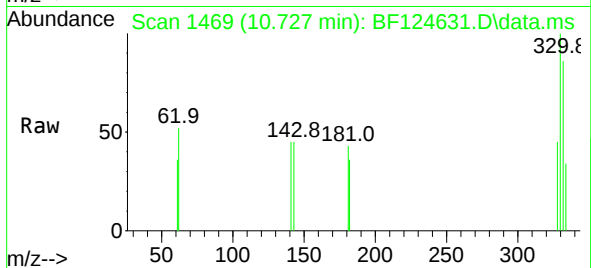
Tgt Ion:164 Resp: 8882
Ion Ratio Lower Upper
164 100
162 102.7 81.3 121.9
160 45.2 38.0 57.0



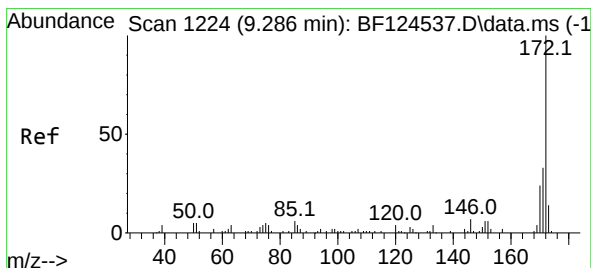
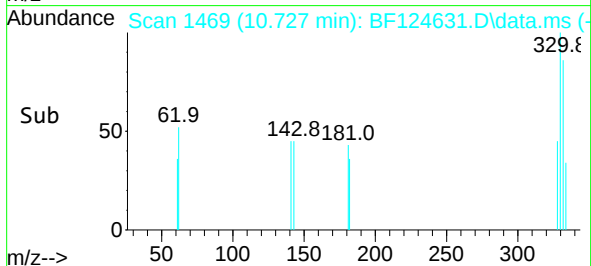
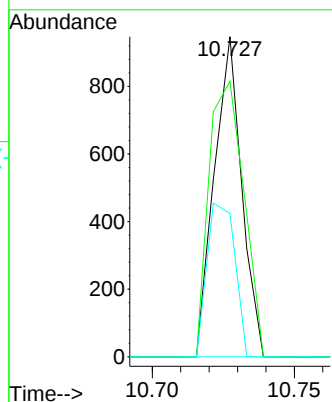


#42
2,4,6-Tribromophenol
Concen: 9.144 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239

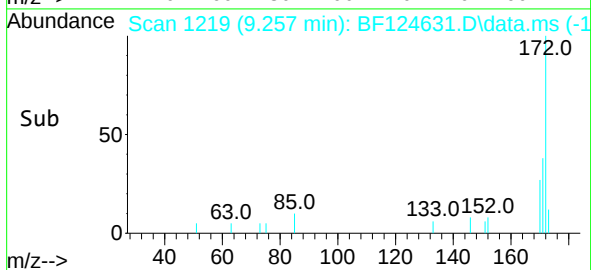
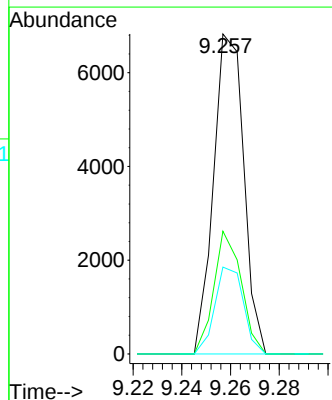
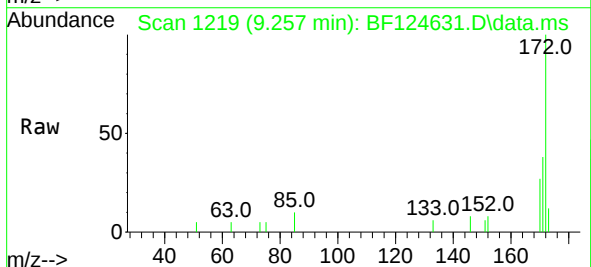


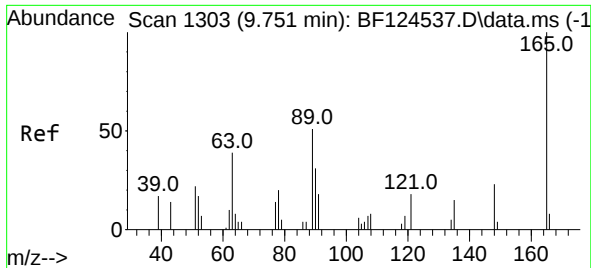
Tgt Ion: 330 Resp: 632
Ion Ratio Lower Upper
330 100
332 109.5 76.2 114.4
141 49.1 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 9.657 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 172 Resp: 5882
Ion Ratio Lower Upper
172 100
171 38.3 26.5 39.7
170 27.2 18.8 28.2

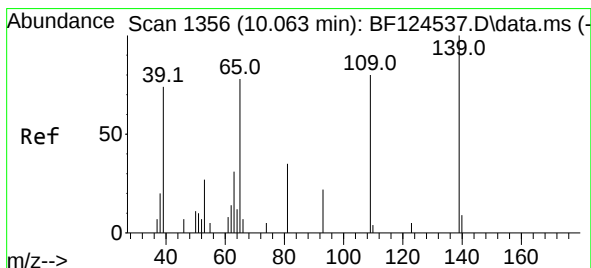
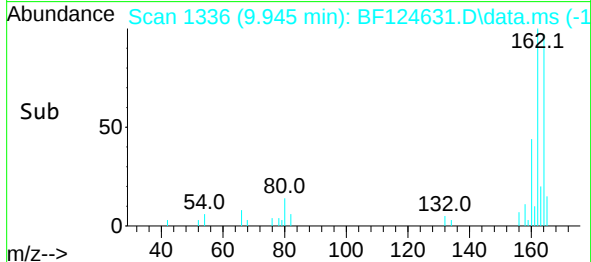
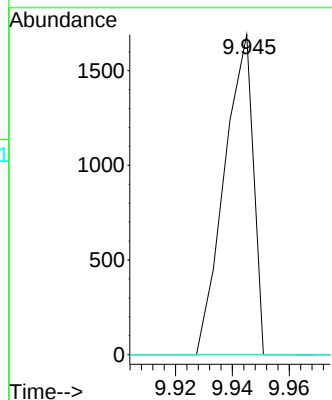
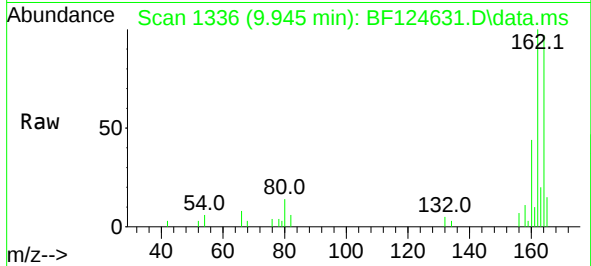




#51
2,6-Dinitrotoluene
Concen: 9.785 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.212 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

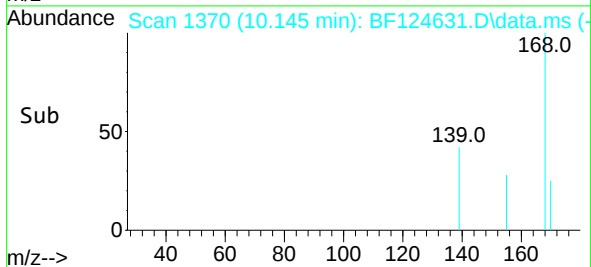
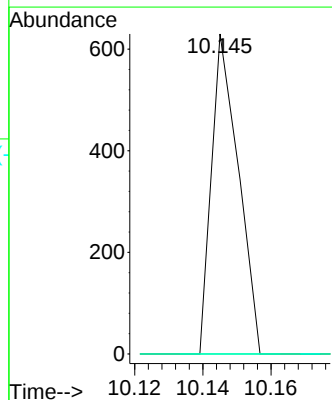
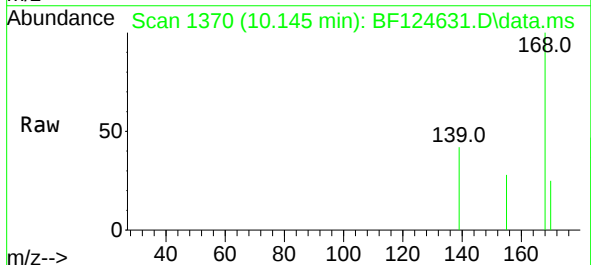
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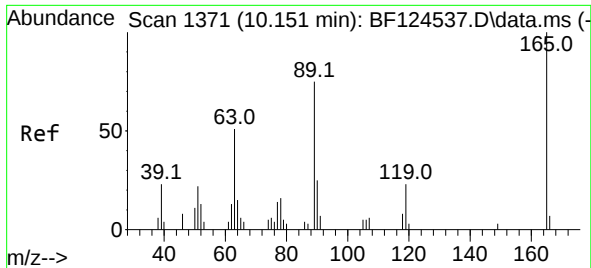
Tgt Ion:165 Resp: 1192
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#56
4-Nitrophenol
Concen: 3.040 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.100 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:139 Resp: 344
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 0.0 58.4 98.4#

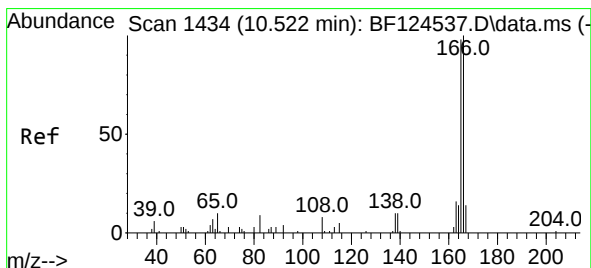
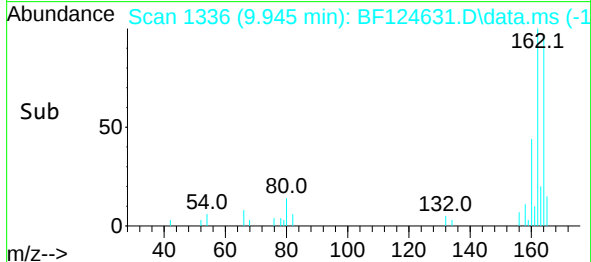
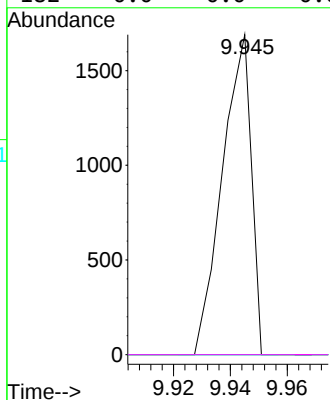
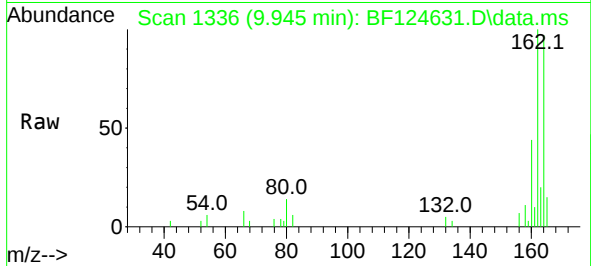




#57
2,4-Dinitrotoluene
Concen: 7.147 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.188 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

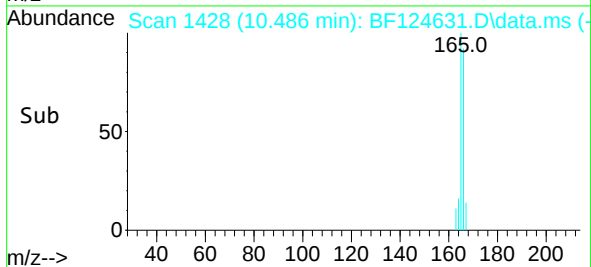
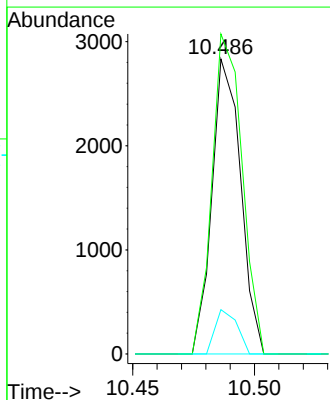
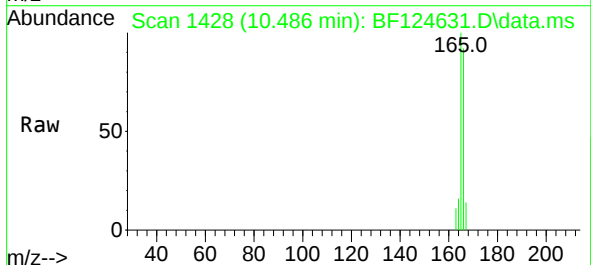
Instrument :
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RO-VNJ-239

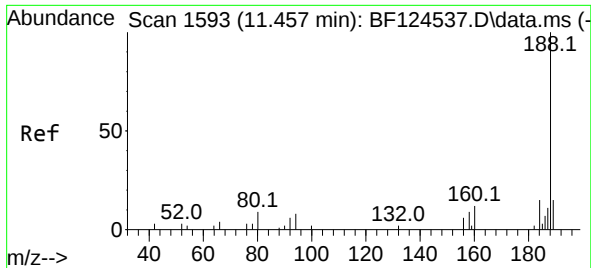
Tgt Ion:	165	Resp:	1192
Ion Ratio	Lower	Upper	
165	100		
63	0.0	40.9	61.3#
89	0.0	59.7	89.5#
182	0.0	0.0	0.0



#58
Fluorene
Concen: 3.869 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:	166	Resp:	2322
Ion Ratio	Lower	Upper	
166	100		
165	108.5	78.1	117.1
167	15.0	11.1	16.7

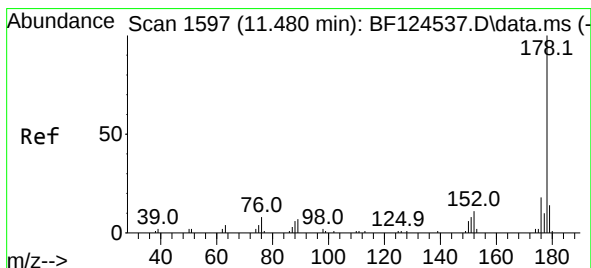
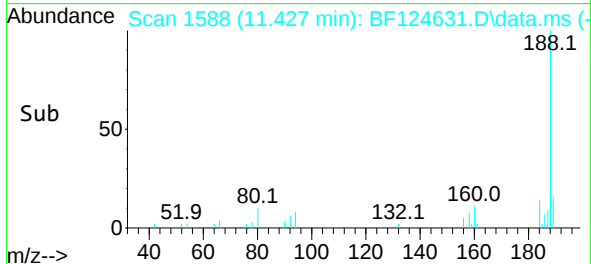
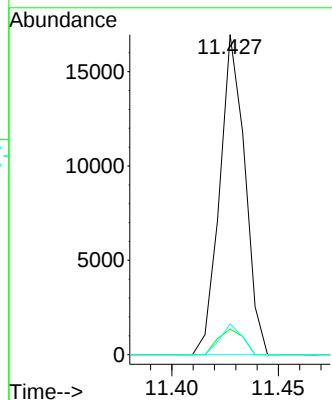
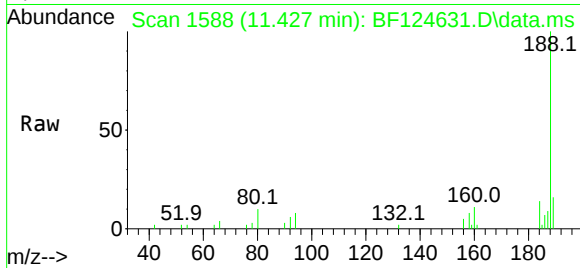




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

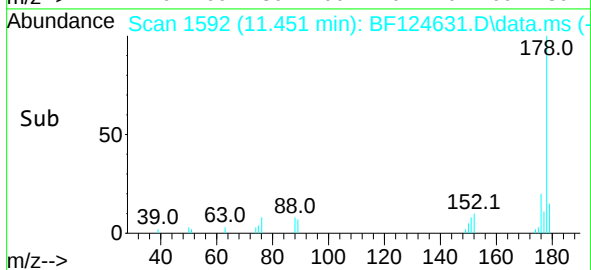
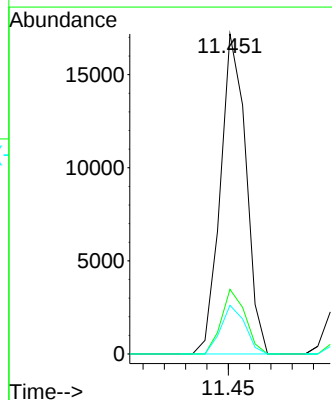
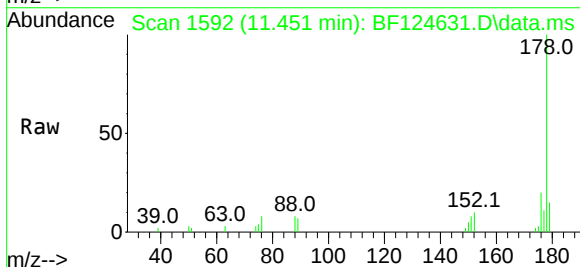
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239

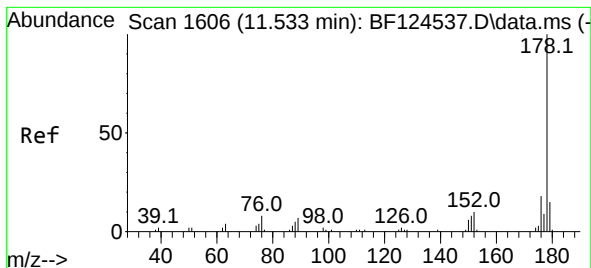
Tgt Ion:188 Resp: 13931
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 9.6 7.5 11.3



#71
Phenanthrene
Concen: 18.807 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:178 Resp: 14294
Ion Ratio Lower Upper
178 100
176 20.2 14.7 22.1
179 15.2 11.5 17.3

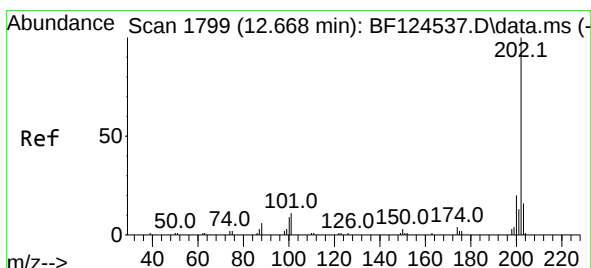
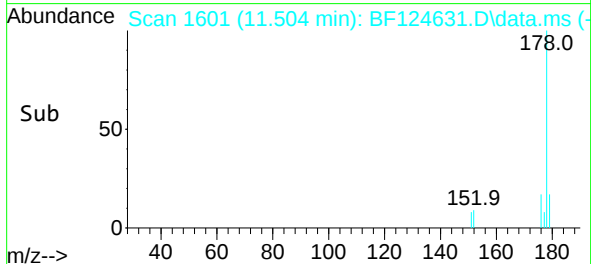
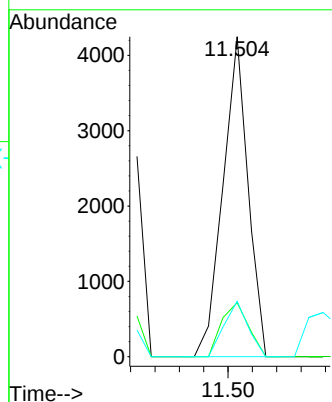
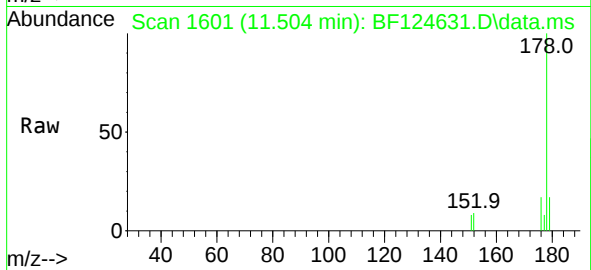




#72
 Anthracene
 Concen: 3.975 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. -0.012 min
 Lab File: BF124631.D
 Acq: 20 Jul 2021 15:22

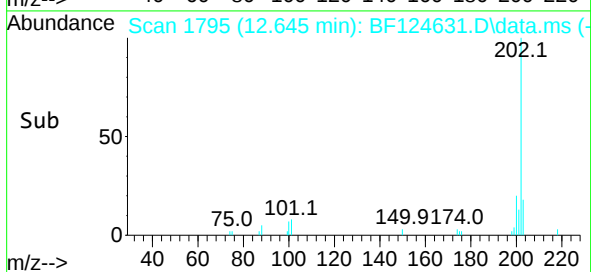
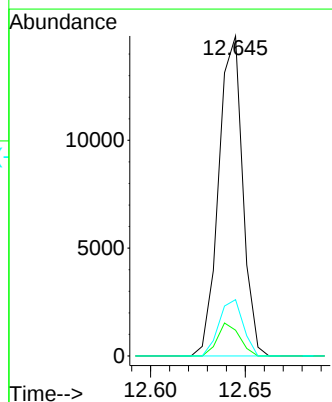
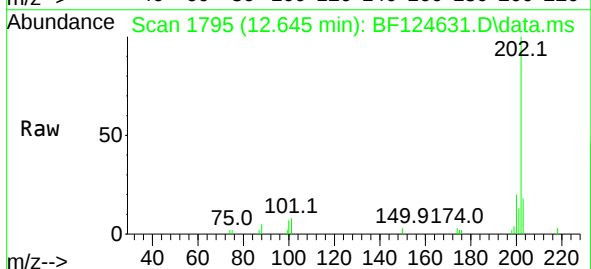
Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-239

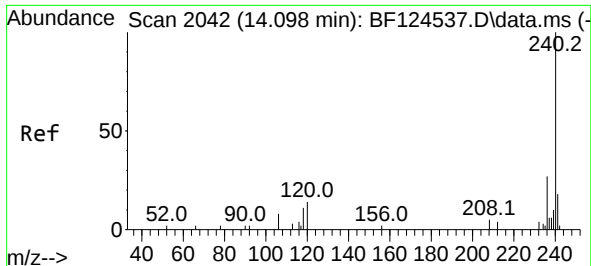
Tgt Ion:178 Resp: 3031
 Ion Ratio Lower Upper
 178 100
 176 16.9 14.3 21.5
 179 17.3 12.2 18.4



#75
 Fluoranthene
 Concen: 17.026 ng
 RT: 12.645 min Scan# 1795
 Delta R.T. -0.006 min
 Lab File: BF124631.D
 Acq: 20 Jul 2021 15:22

Tgt Ion:202 Resp: 13056
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 30.7
 203 17.6 0.0 36.3

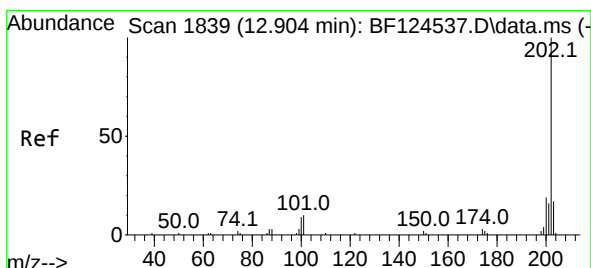
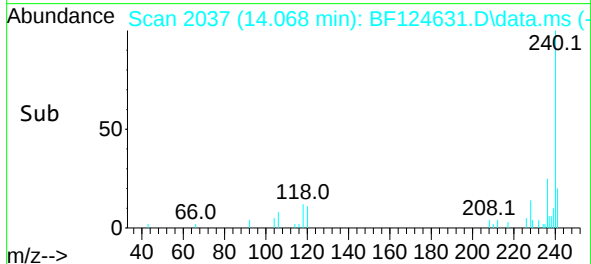
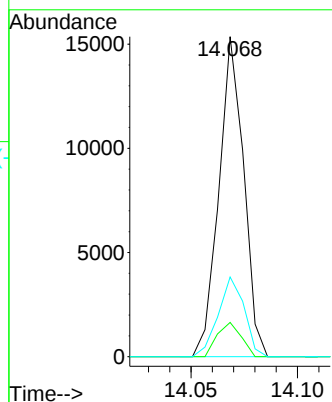
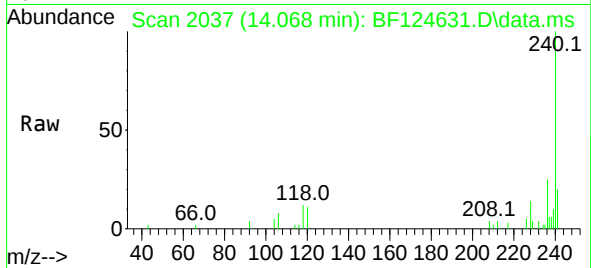




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

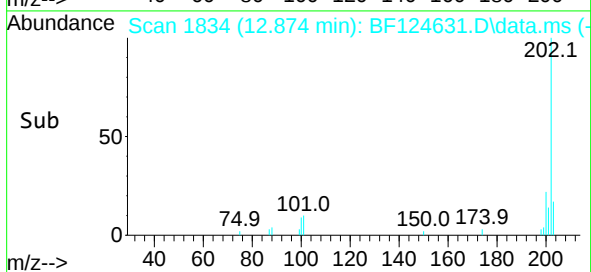
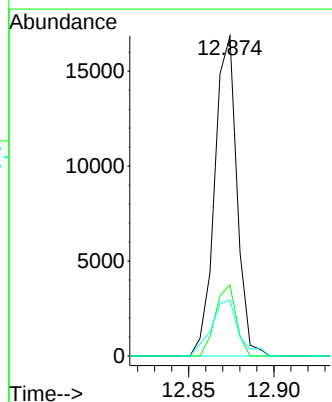
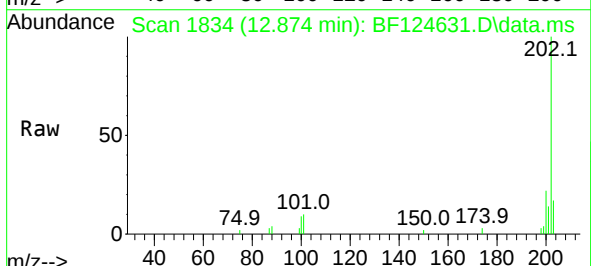
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239

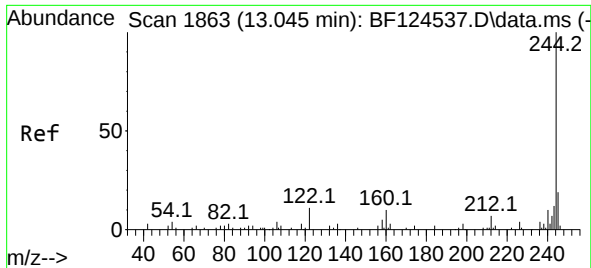
Tgt Ion:240 Resp: 12428
Ion Ratio Lower Upper
240 100
120 10.7 10.8 16.2#
236 24.9 21.6 32.4



#78
Pyrene
Concen: 14.837 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

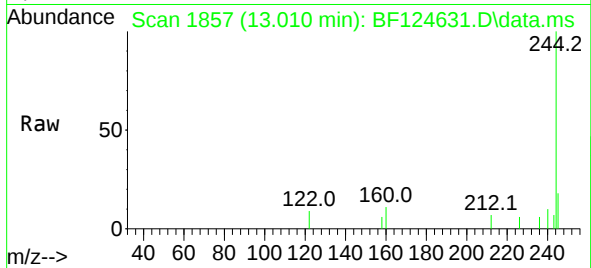
Tgt Ion:202 Resp: 15320
Ion Ratio Lower Upper
202 100
200 22.2 15.3 22.9
203 17.4 13.4 20.0



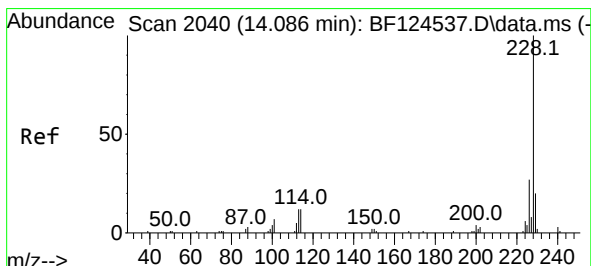
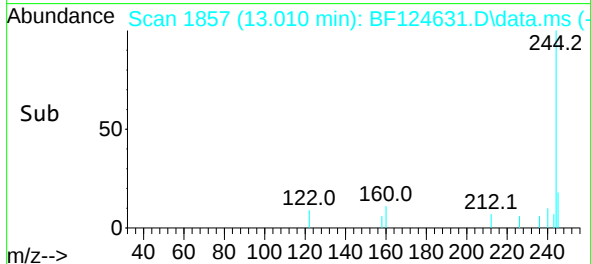
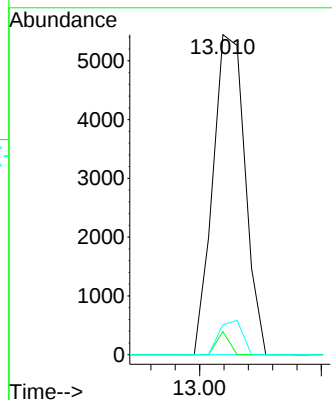


#79
 Terphenyl-d14
 Concen: 6.749 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.012 min
 Lab File: BF124631.D
 Acq: 20 Jul 2021 15:22

Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-239

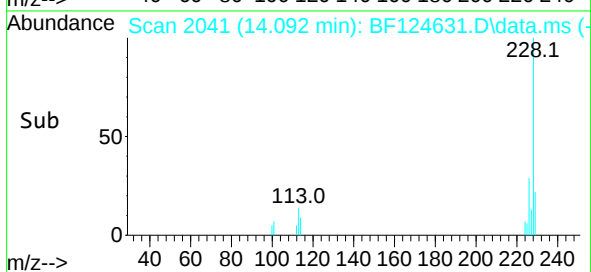
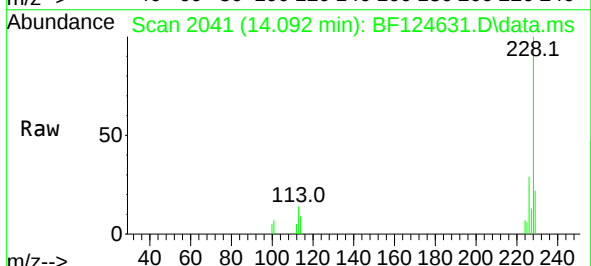
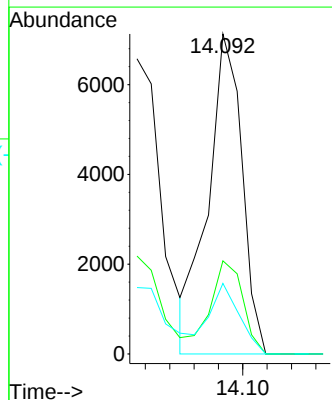


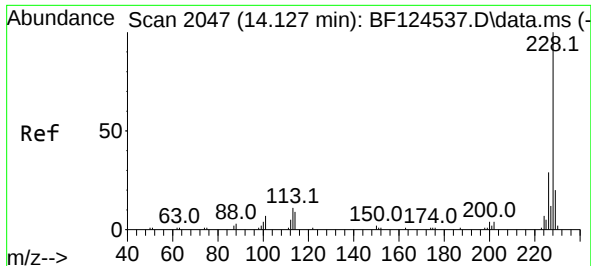
Tgt Ion:244	Resp:	4995
Ion Ratio	Lower	Upper
244	100	
212	7.2	5.9 8.9
122	9.4	9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 8.371 ng
 RT: 14.092 min Scan# 2041
 Delta R.T. 0.029 min
 Lab File: BF124631.D
 Acq: 20 Jul 2021 15:22

Tgt Ion:228	Resp:	6900
Ion Ratio	Lower	Upper
228	100	
226	29.1	21.6 32.4
229	22.1	15.6 23.4

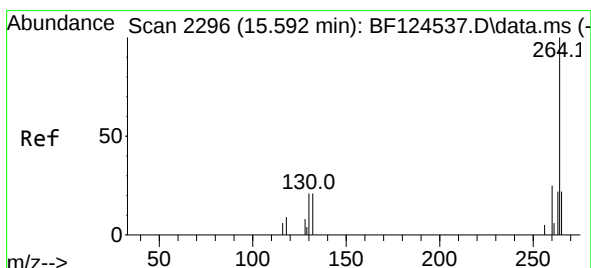
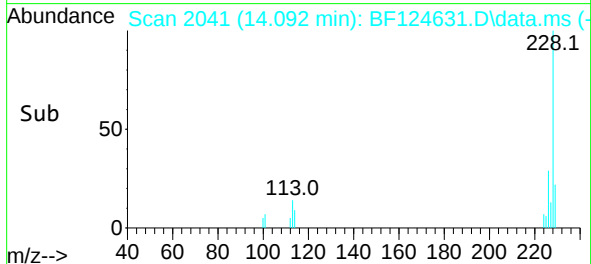
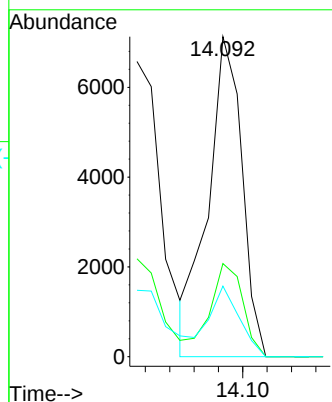
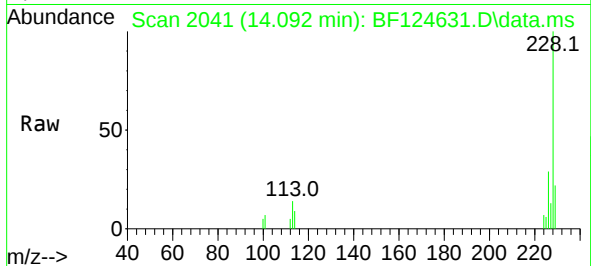




#83
Chrysene
Concen: 8.739 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

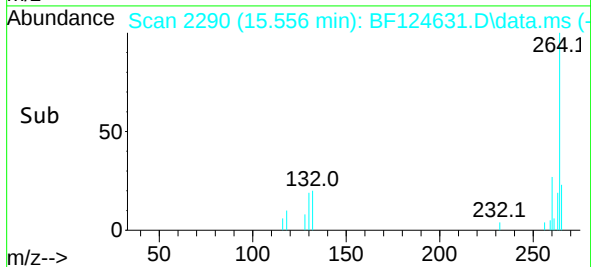
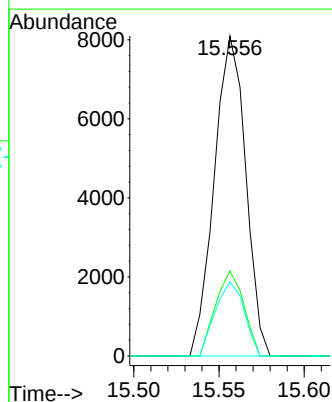
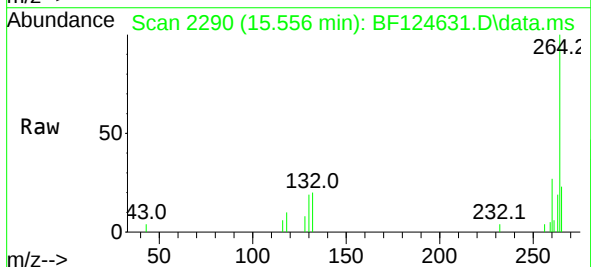
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239

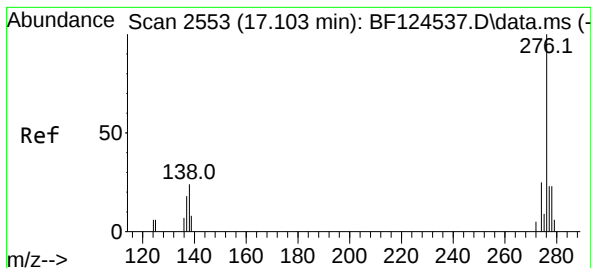
Tgt Ion:228	Resp: 6900		
Ion Ratio	Lower	Upper	
228 100			
226 29.1	22.6	34.0	
229 22.1	15.9	23.9	



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2290
Delta R.T. 0.000 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:264	Resp: 10364		
Ion Ratio	Lower	Upper	
264 100			
260 26.6	19.6	29.4	
265 23.2	17.2	25.8	





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.442 ng

RT: 17.039 min Scan# 2542

Delta R.T. -0.018 min

Lab File: BF124631.D

Acq: 20 Jul 2021 15:22

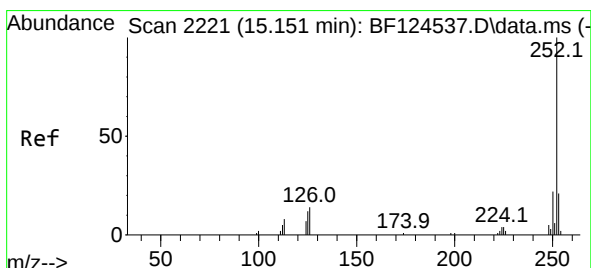
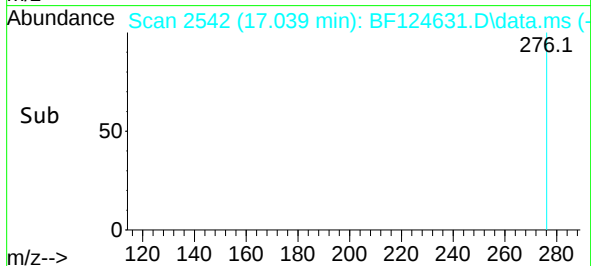
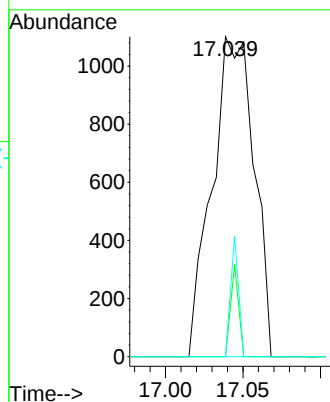
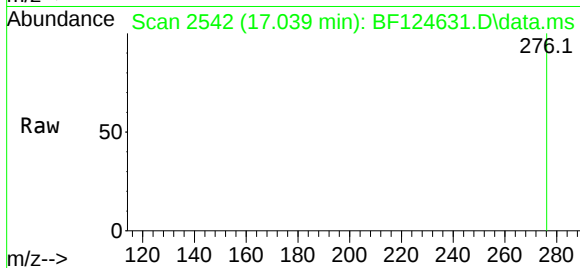
Tgt Ion:276 Resp: 2069

Ion Ratio Lower Upper

276 100

138 5.4 24.1 36.1#

277 7.1 18.8 28.2#



#88

Benzo(b)fluoranthene

Concen: 12.406 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF124631.D

Acq: 20 Jul 2021 15:22

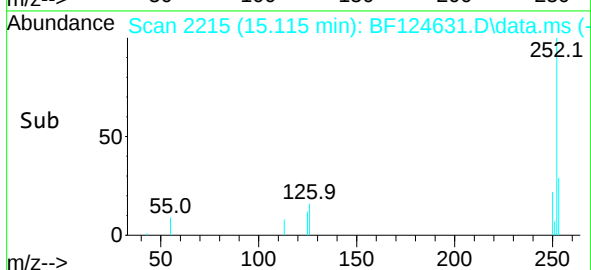
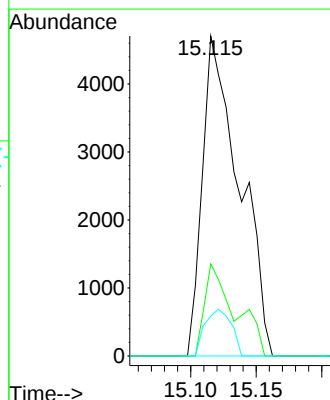
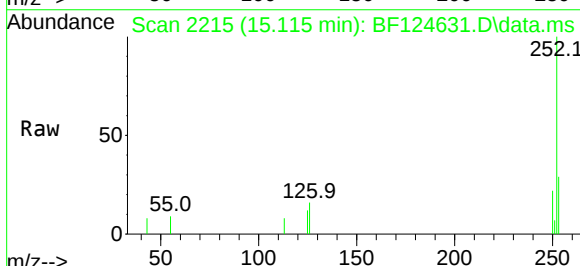
Tgt Ion:252 Resp: 9229

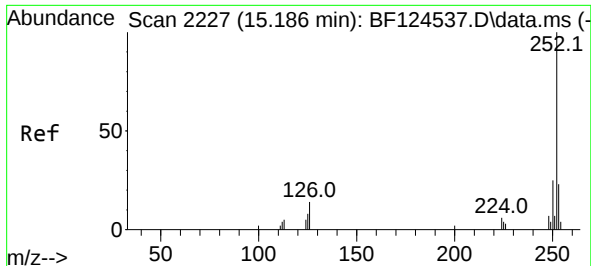
Ion Ratio Lower Upper

252 100

253 28.8 16.8 25.2#

125 12.5 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 13.522 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.041 min

Lab File: BF124631.D

Acq: 20 Jul 2021 15:22

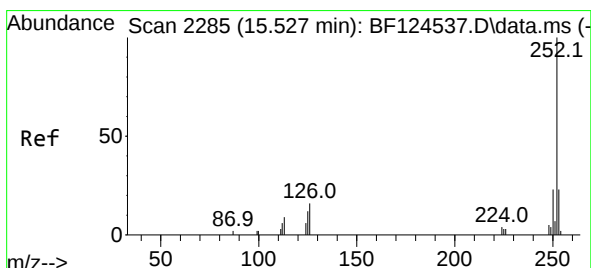
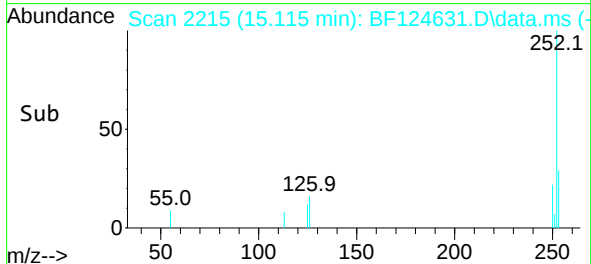
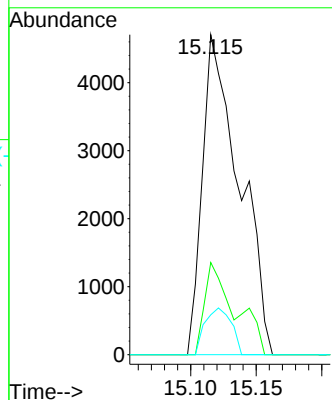
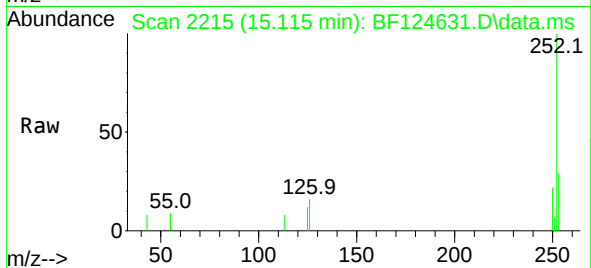
Instrument :

BNA_F

ClientSampleId :

RO-VNJ-239

Tgt Ion:252	Resp:	9229
Ion Ratio	Lower	Upper
252	100	
253	28.8	17.8 26.8#
125	12.5	7.2 10.8#



#90

Benzo(a)pyrene

Concen: 8.066 ng

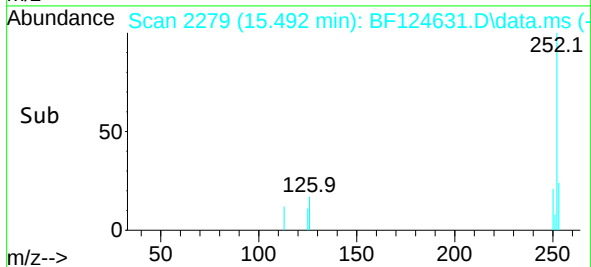
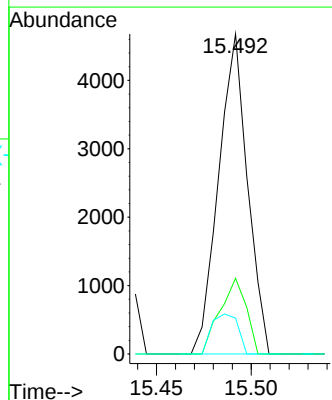
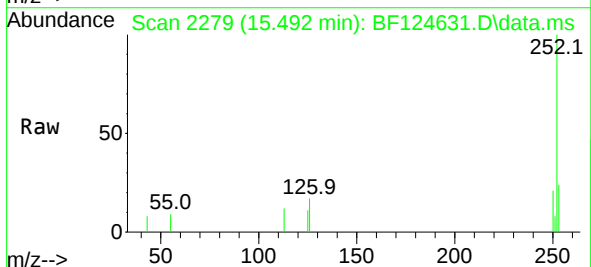
RT: 15.492 min Scan# 2279

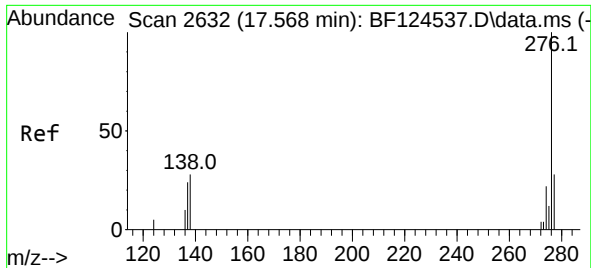
Delta R.T. -0.006 min

Lab File: BF124631.D

Acq: 20 Jul 2021 15:22

Tgt Ion:252	Resp:	4953
Ion Ratio	Lower	Upper
252	100	
253	23.7	18.4 27.6
125	11.2	9.9 14.9





#92

Benzo(g,h,i)perylene

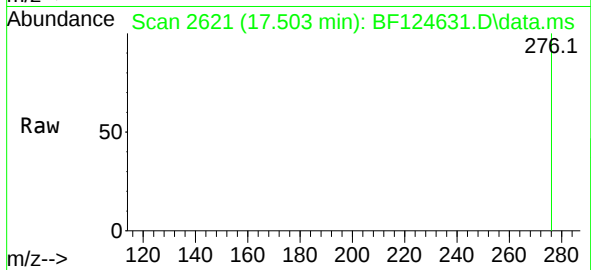
Concen: 3.832 ng

RT: 17.503 min Scan# 2621

Delta R.T. -0.012 min

Lab File: BF124631.D

Acq: 20 Jul 2021 15:22



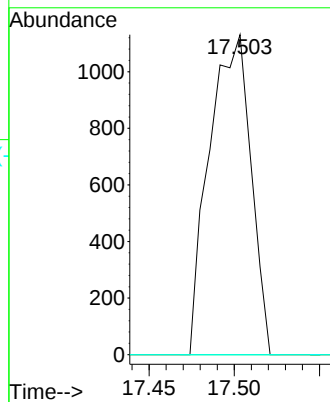
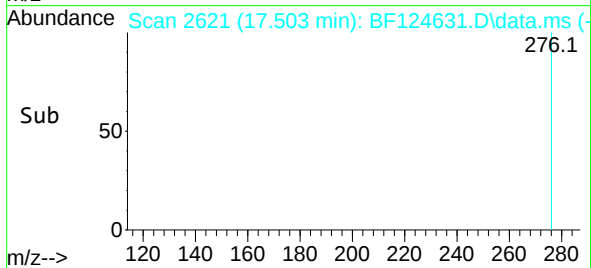
Tgt Ion: 276 Resp: 1914

Ion Ratio Lower Upper

276 100

277 0.0 22.0 33.0#

138 0.0 22.2 33.4#



Instrument :

BNA_F

ClientSampleId :

RO-VNJ-239