

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061621\
 Data File : BF124344.D
 Acq On : 16 Jun 2021 14:00
 Operator : JU/CG
 Sample : M2691-02 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-208

Quant Time: Jun 16 14:29:12 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

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

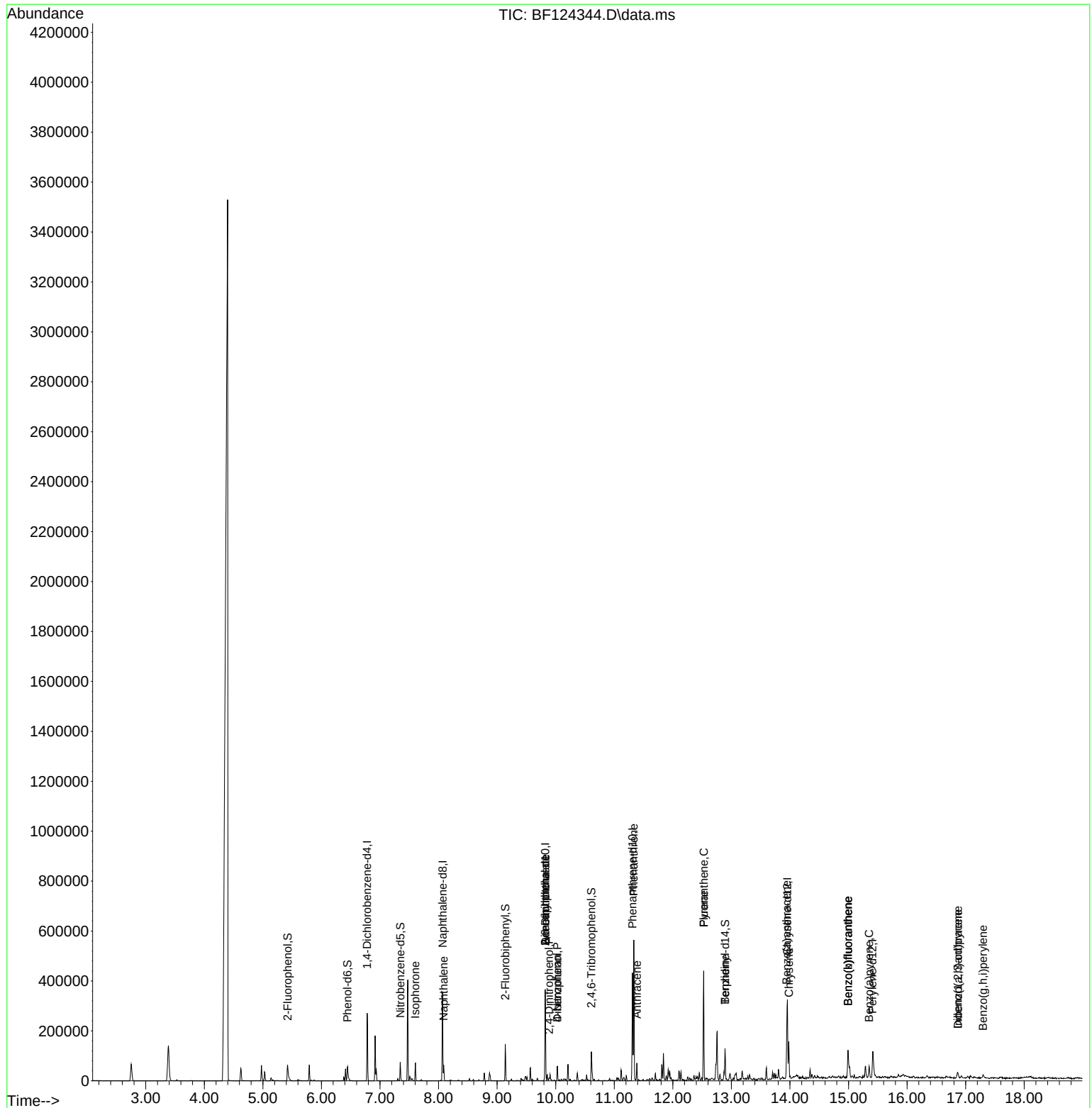
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	34481	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	129970	20.000	ng	# 0.00
39) Acenaphthene-d10	9.821	164	51327	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	134709	20.000	ng	0.00
76) Chrysene-d12	13.957	240	82531	20.000	ng	0.00
86) Perylene-d12	15.409	264	21461	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	19954	8.711	ng	0.00
7) Phenol-d6	6.445	99	7840	2.546	ng	0.00
23) Nitrobenzene-d5	7.345	82	19327	5.898	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	9523	13.096	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	34676	8.501	ng	-0.01
79) Terphenyl-d14	12.892	244	34628	5.761	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.604	82	20706	3.506	ng	# 82
31) Naphthalene	8.086	128	21638	2.785	ng	94
50) Dimethylphthalate	9.821	163	17280	4.069	ng	# 1
51) 2,6-Dinitrotoluene	9.821	165	6400	6.573	ng	# 13
54) 2,4-Dinitrophenol	9.886	184	133	3.767	ng	# 9
55) Dibenzofuran	10.027	168	16848	3.215	ng	96
56) 4-Nitrophenol	10.027	139	7325	11.247	ng	# 1
71) Phenanthrene	11.333	178	176924	21.025	ng	97
72) Anthracene	11.386	178	24120	2.846	ng	96
75) Fluoranthene	12.527	202	150630	17.053	ng	97
77) Benzidine	12.892	184	695	4.391	ng	# 68
78) Pyrene	12.527	202	150630	19.007	ng	99
81) Benzo(a)anthracene	13.945	228	52583	8.746	ng	97
83) Chrysene	13.980	228	50128	8.642	ng	92
87) Indeno(1,2,3-cd)pyrene	16.868	276	11546	10.215	ng	# 87
88) Benzo(b)fluoranthene	14.992	252	62413	37.438	ng	# 97
89) Benzo(k)fluoranthene	14.992	252	62413	39.547	ng	# 98
90) Benzo(a)pyrene	15.351	252	19513	13.476	ng	# 89
91) Dibenzo(a,h)anthracene	16.868	278	5532	7.488	ng	# 82
92) Benzo(g,h,i)perylene	17.297	276	8897	9.252	ng	# 83

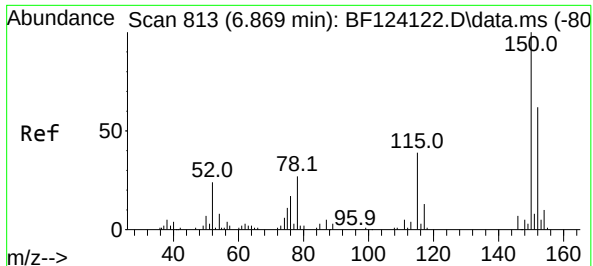
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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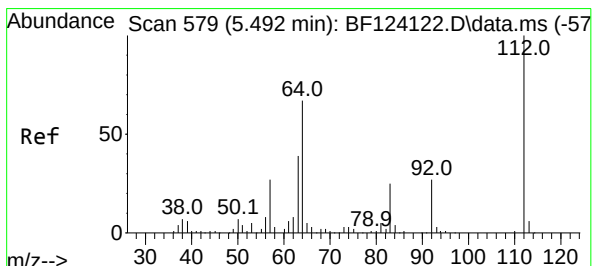
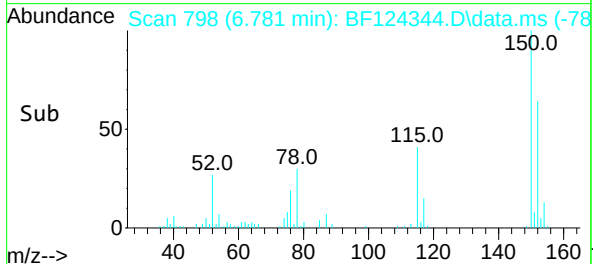
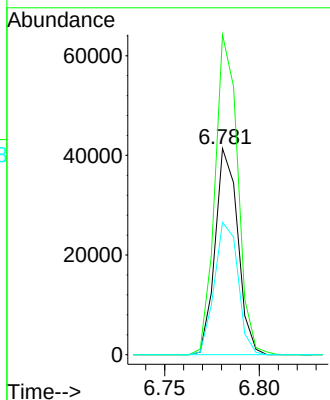
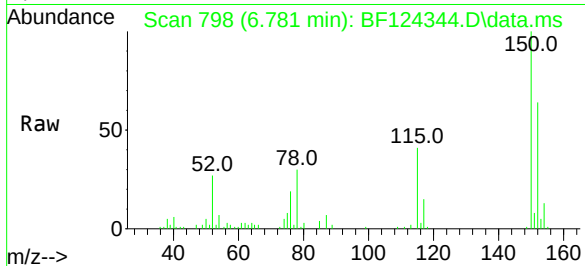




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

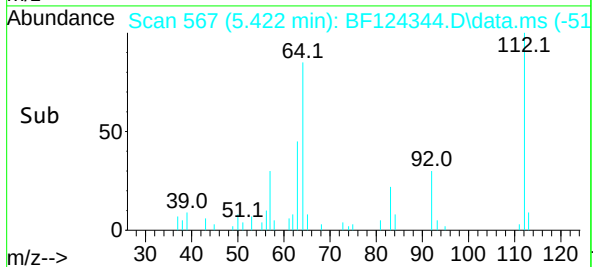
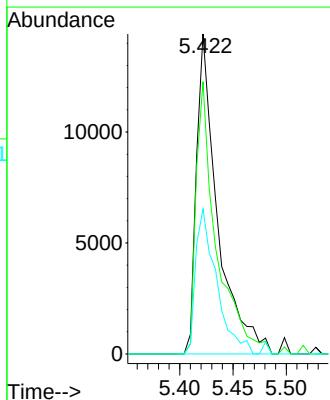
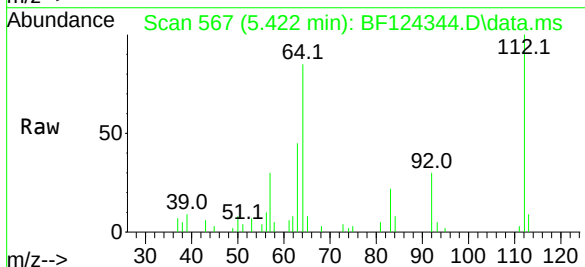
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

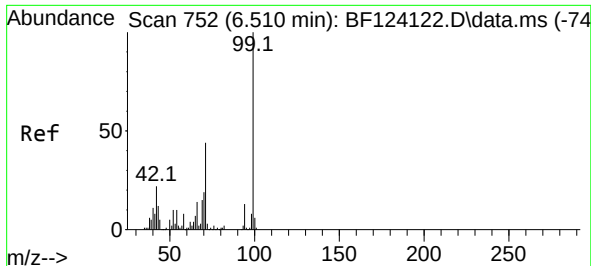
Tgt Ion:152 Resp: 34481
Ion Ratio Lower Upper
152 100
150 155.2 127.0 190.6
115 64.2 54.3 81.5



#5
2-Fluorophenol
Concen: 8.711 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion:112 Resp: 19954
Ion Ratio Lower Upper
112 100
64 85.1 61.4 92.0
63 45.3 33.0 49.4

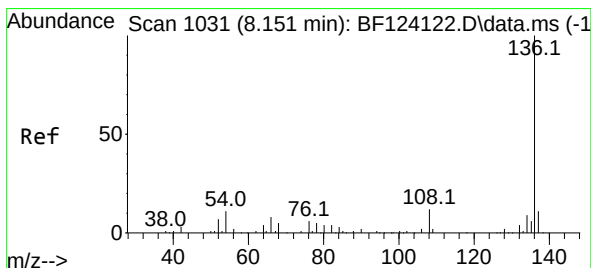
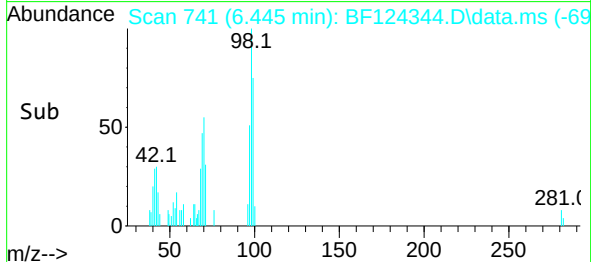
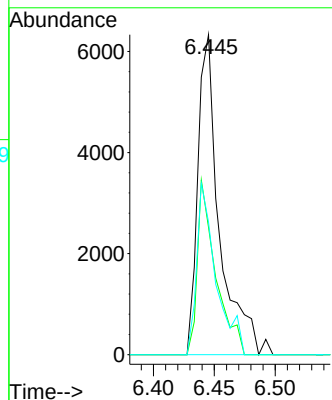
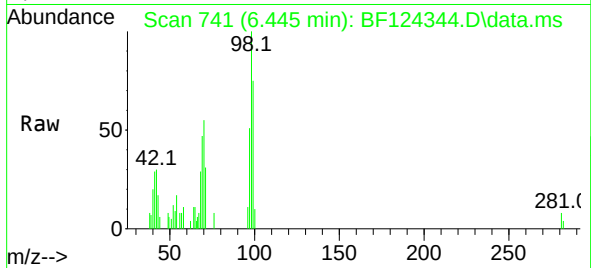




#7
Phenol-d6
Concen: 2.546 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

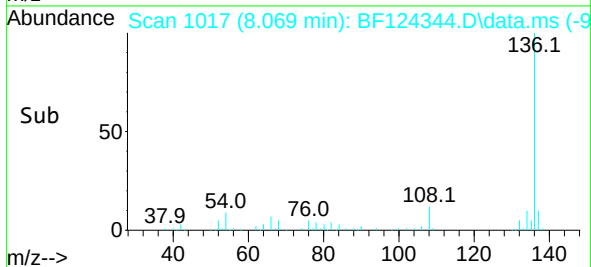
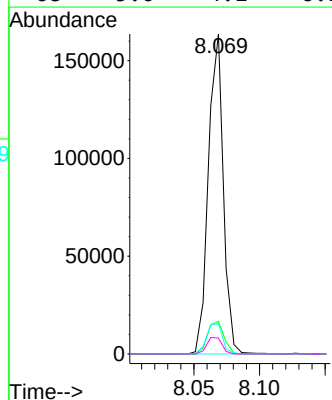
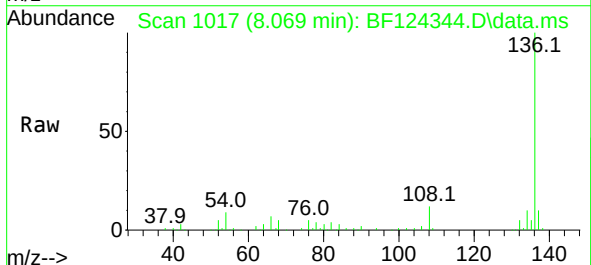
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

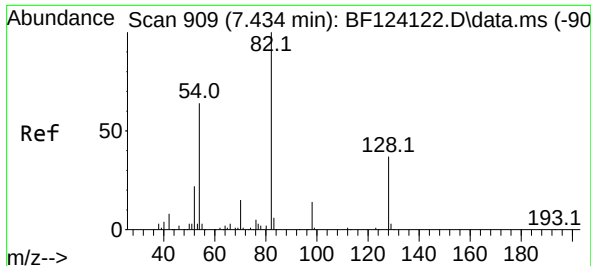
Tgt Ion: 99 Resp: 7840
Ion Ratio Lower Upper
99 100
42 39.8 19.8 29.8#
71 41.5 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion: 136 Resp: 129970
Ion Ratio Lower Upper
136 100
137 10.2 8.7 13.1
54 9.5 9.8 14.6#
68 5.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 5.898 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF124344.D

Acq: 16 Jun 2021 14:00

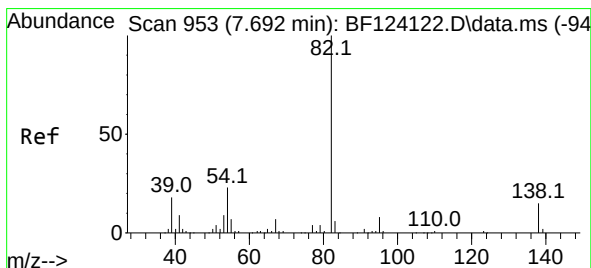
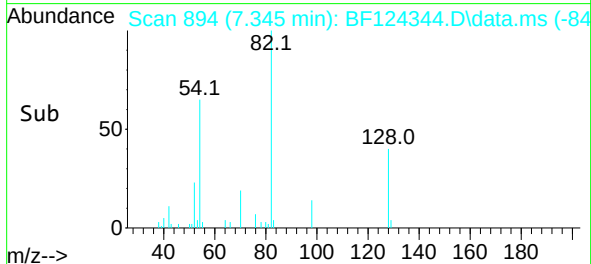
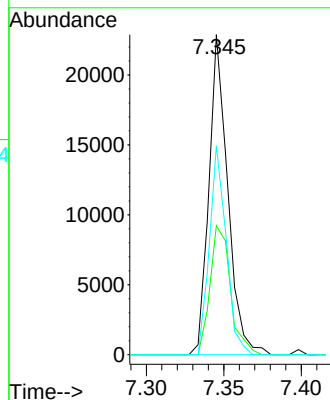
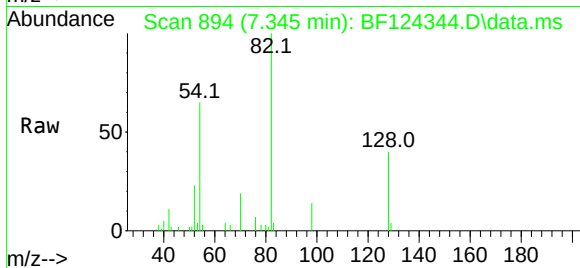
Instrument :

BNA_F

ClientSampleId :

RO-VNJ-208

Tgt Ion:	82	Resp:	19327
Ion	Ratio	Lower	Upper
82	100		
128	40.4	29.4	44.2
54	65.3	54.1	81.1



#25

Isophorone

Concen: 3.506 ng

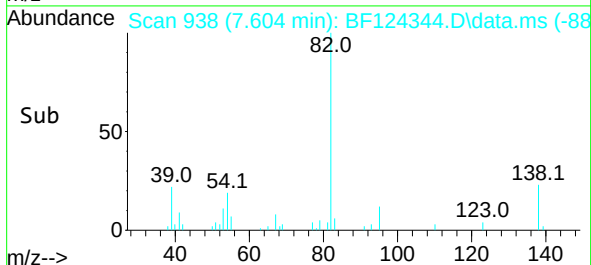
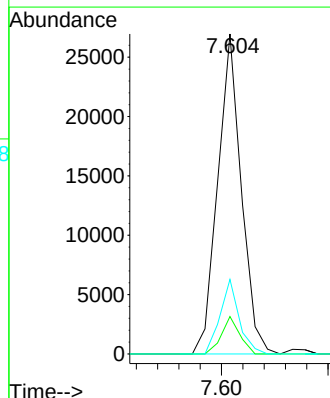
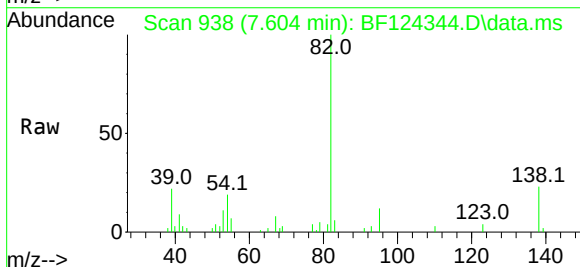
RT: 7.604 min Scan# 938

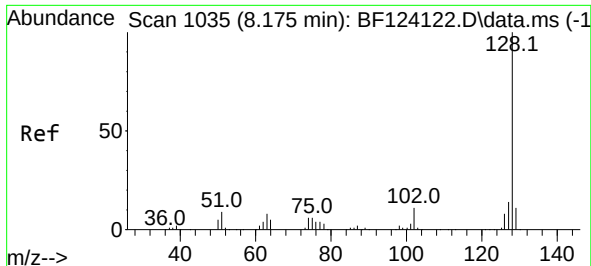
Delta R.T. -0.012 min

Lab File: BF124344.D

Acq: 16 Jun 2021 14:00

Tgt Ion:	82	Resp:	20706
Ion	Ratio	Lower	Upper
82	100		
95	11.7	5.8	8.6#
138	23.3	11.8	17.8#

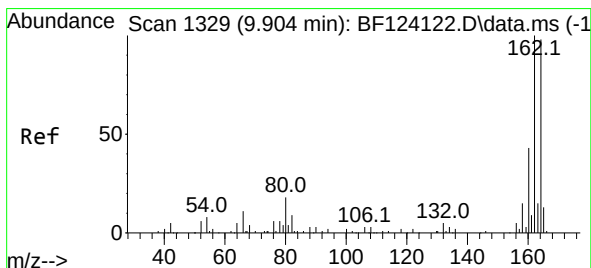
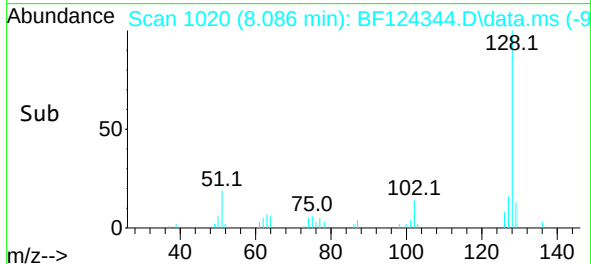
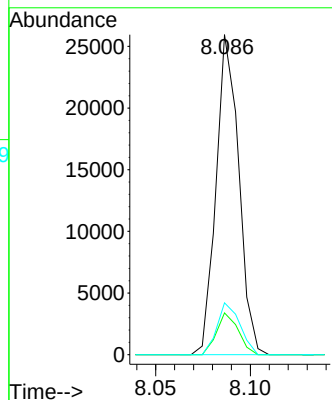
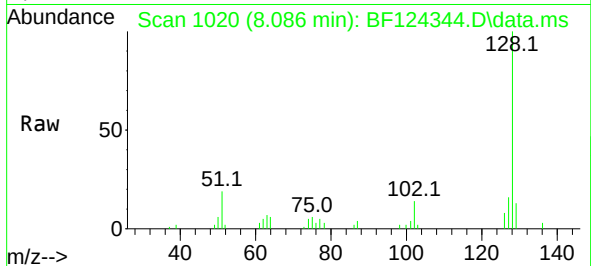




#31
Naphthalene
Concen: 2.785 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

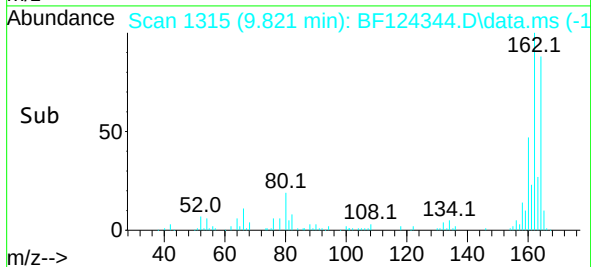
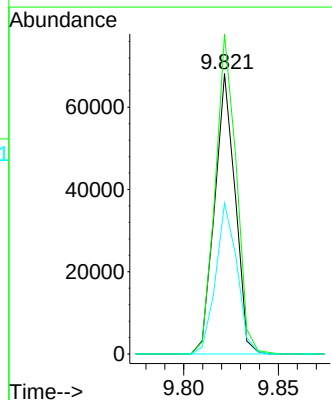
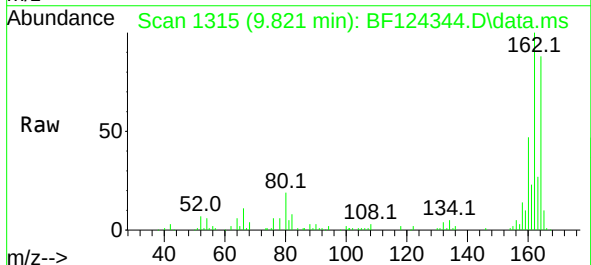
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

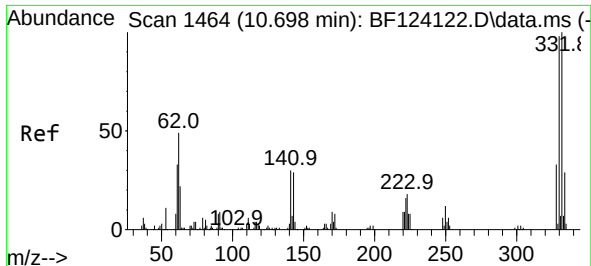
Tgt Ion:128 Resp: 21638
Ion Ratio Lower Upper
128 100
129 13.1 8.9 13.3
127 16.2 10.8 16.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.821 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

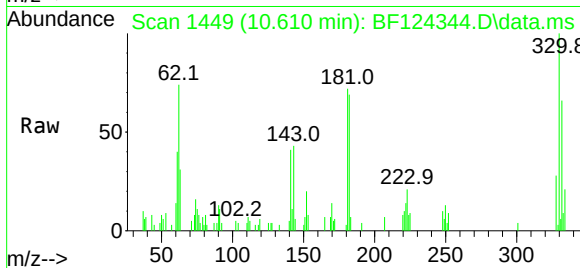
Tgt Ion:164 Resp: 51327
Ion Ratio Lower Upper
164 100
162 114.2 80.7 121.1
160 53.8 37.3 55.9



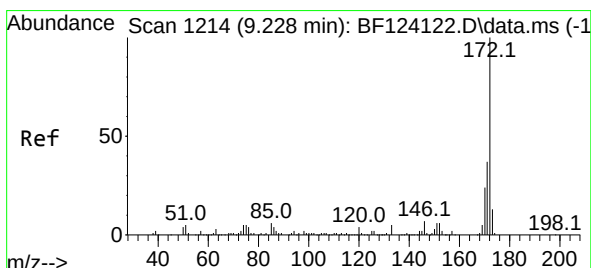
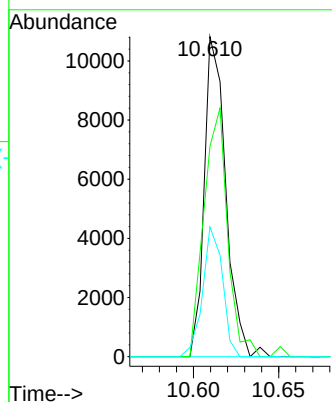
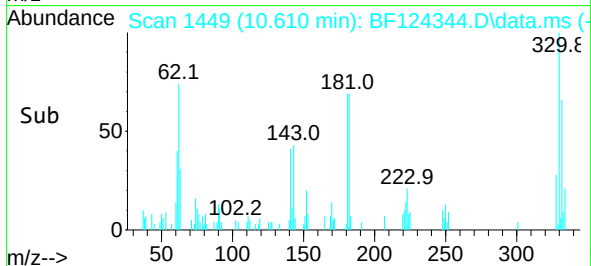


#42
2,4,6-Tribromophenol
Concen: 13.096 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

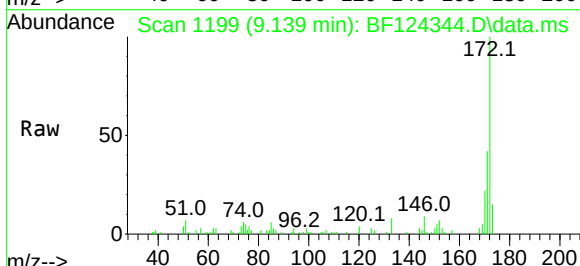
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208



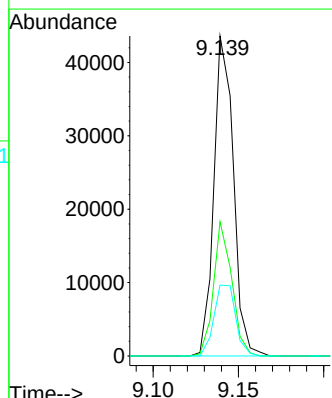
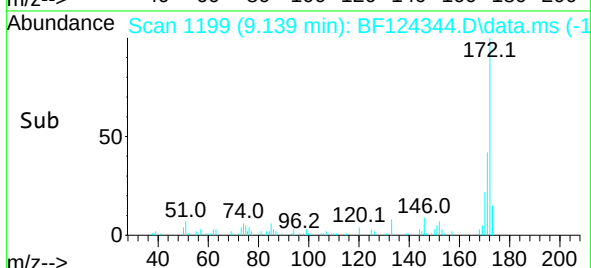
Tgt Ion: 330 Resp: 9523
Ion Ratio Lower Upper
330 100
332 85.1 77.1 115.7
141 37.4 27.9 41.9

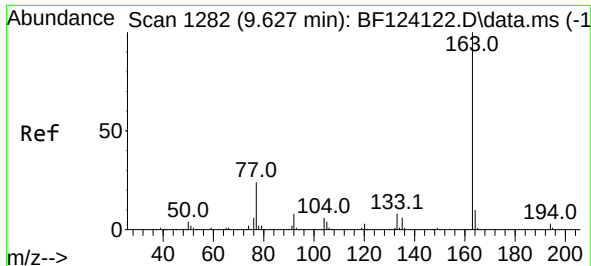


#45
2-Fluorobiphenyl
Concen: 8.501 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00



Tgt Ion: 172 Resp: 34676
Ion Ratio Lower Upper
172 100
171 42.0 28.1 42.1
170 22.2 19.2 28.8

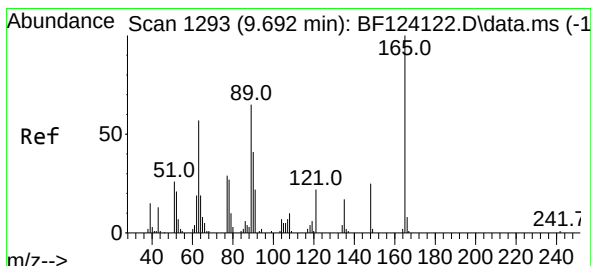
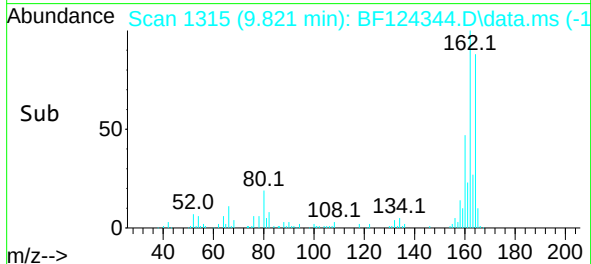
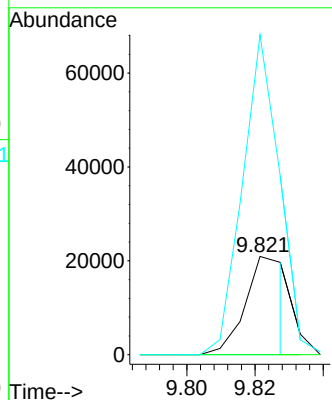
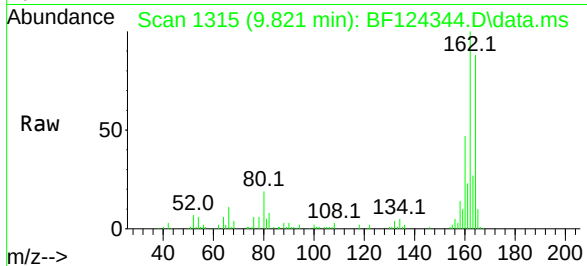




#50
Dimethylphthalate
Concen: 4.069 ng
RT: 9.821 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

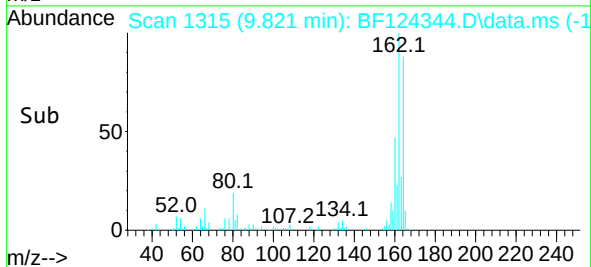
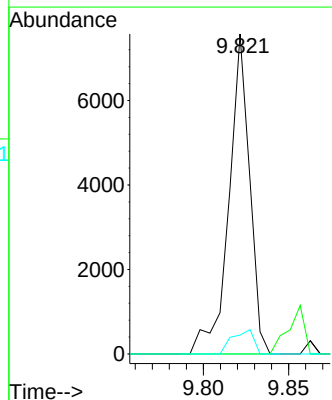
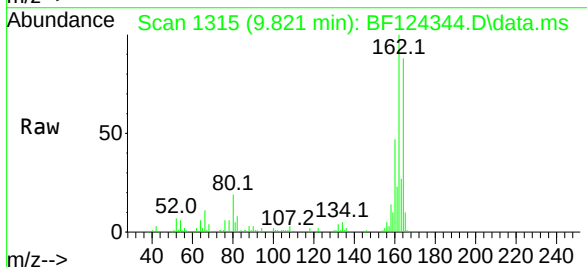
Instrument :
BNA_F
ClientSampled :
RO-VNJ-208

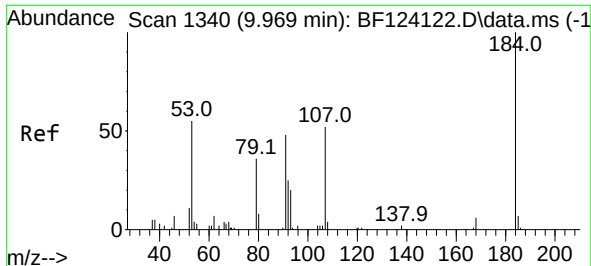
Tgt Ion:163 Resp: 17280
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 325.9 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 6.573 ng
RT: 9.821 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion:165 Resp: 6400
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 5.9 58.8 88.2#

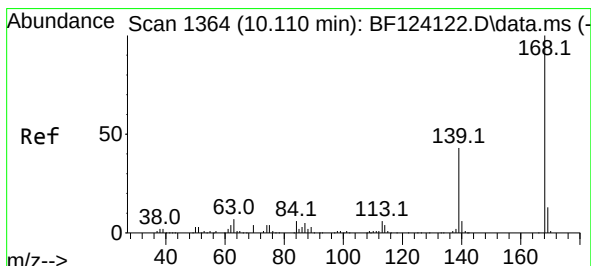
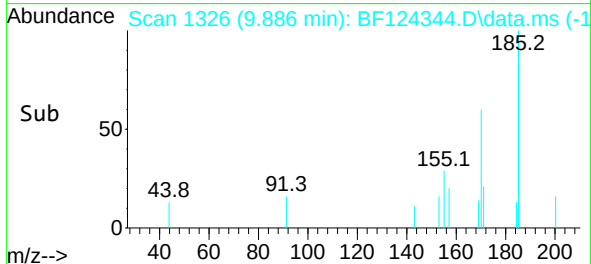
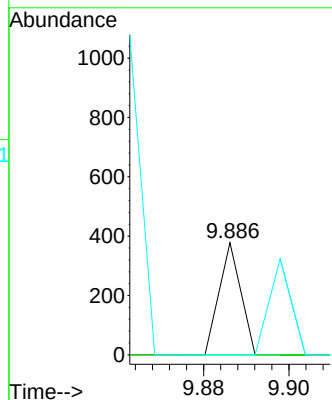
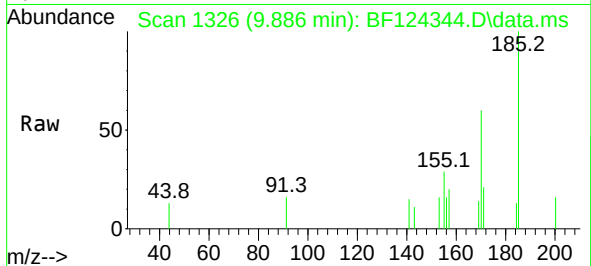




#54
2,4-Dinitrophenol
Concen: 3.767 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.024 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

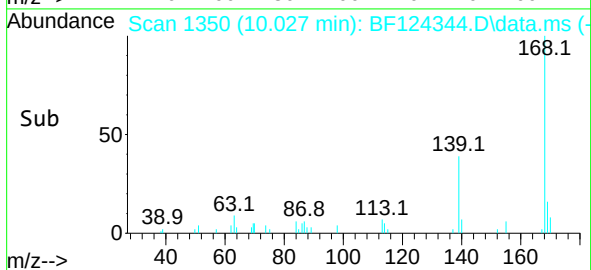
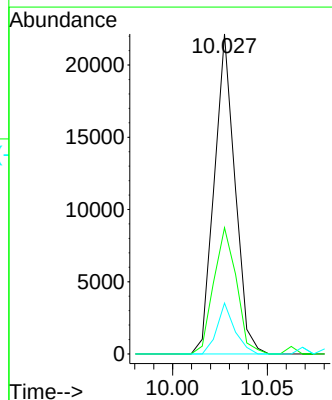
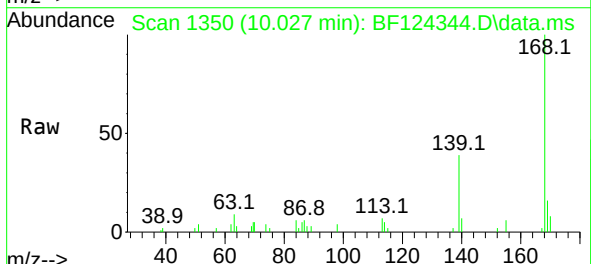
Instrument :
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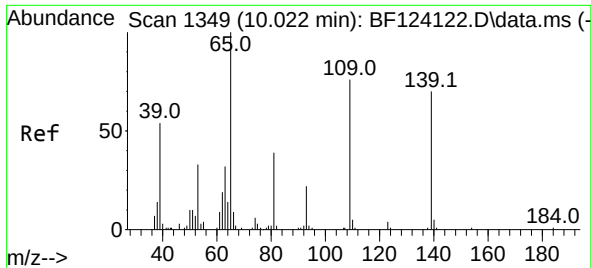
Tgt Ion:184 Resp: 133
Ion Ratio Lower Upper
184 100
63 0.0 73.5 110.3#
154 0.0 52.5 78.7#



#55
Dibenzofuran
Concen: 3.215 ng
RT: 10.027 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion:168 Resp: 16848
Ion Ratio Lower Upper
168 100
139 39.4 33.2 49.8
169 15.9 10.8 16.2

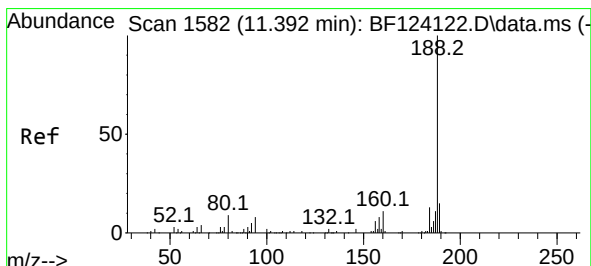
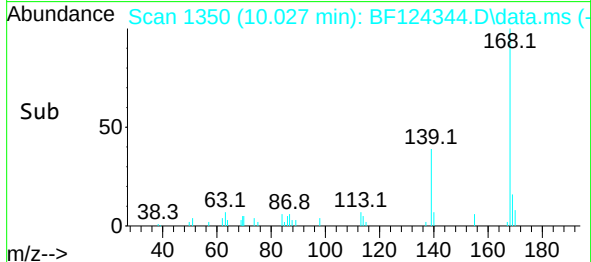
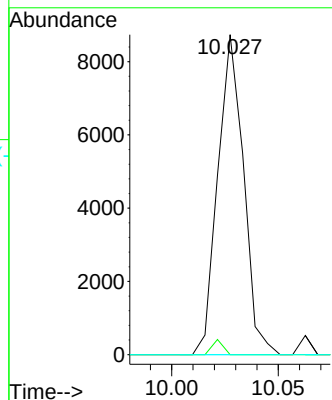
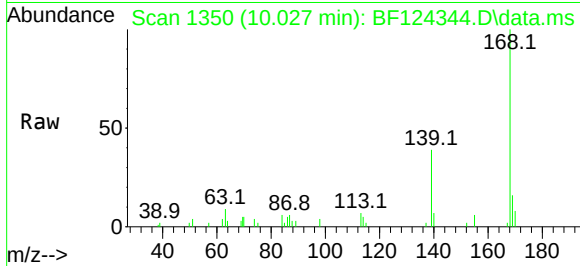




#56
4-Nitrophenol
Concen: 11.247 ng
RT: 10.027 min Scan# 1350
Delta R.T. 0.047 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

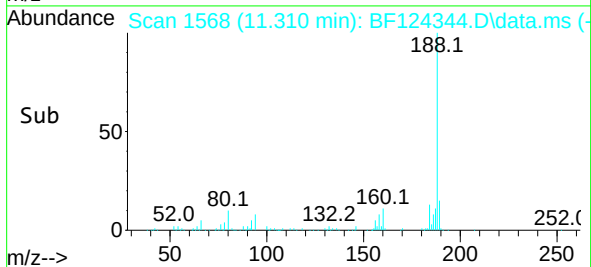
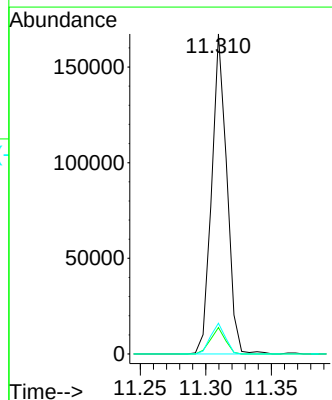
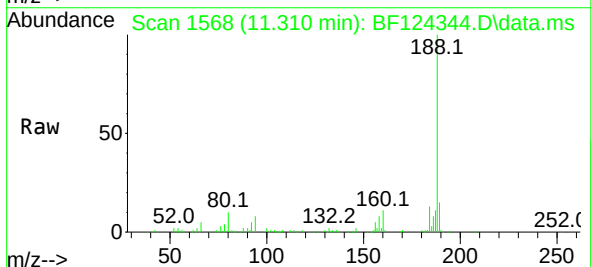
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

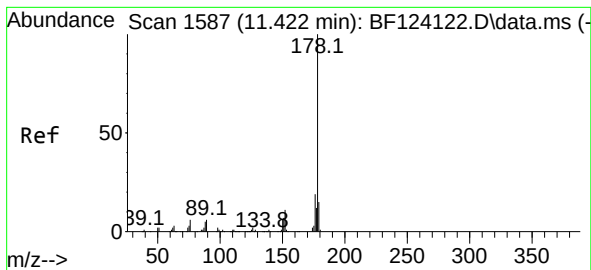
Tgt Ion:139 Resp: 7325
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion:188 Resp: 134709
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 9.6 8.2 12.2

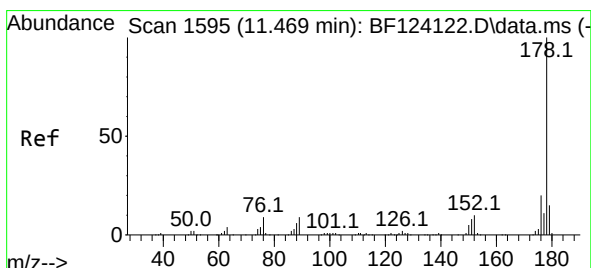
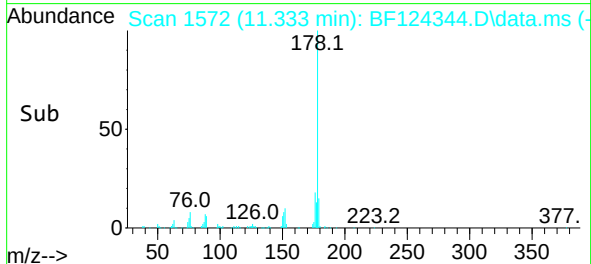
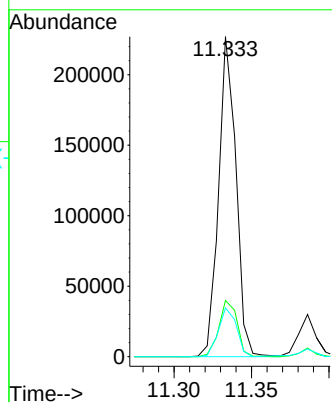
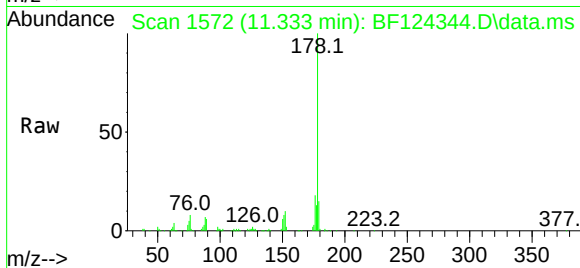




#71
Phenanthrene
Concen: 21.025 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

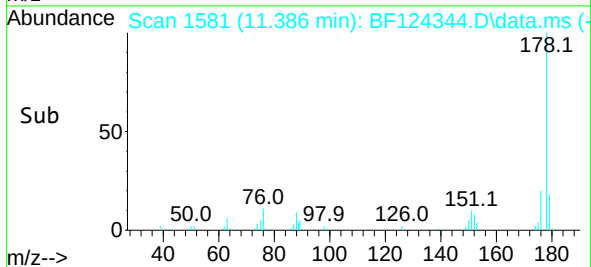
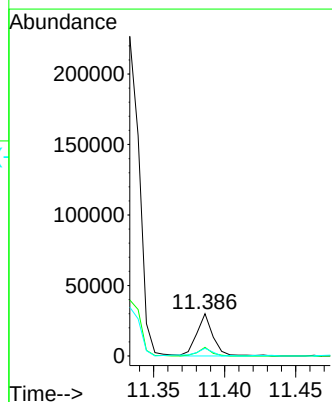
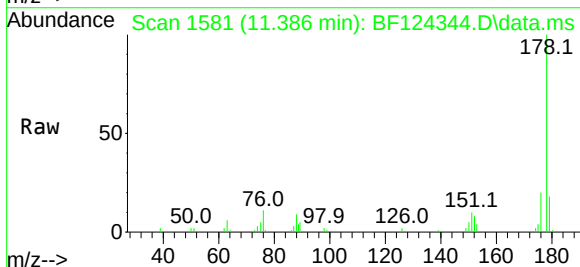
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

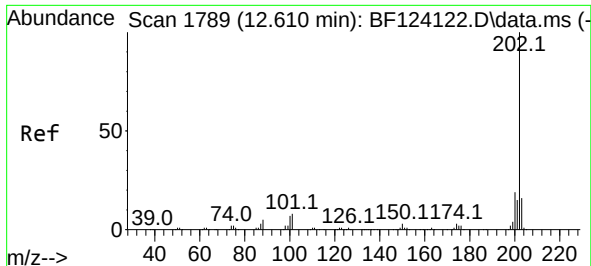
Tgt Ion:178 Resp: 176924
Ion Ratio Lower Upper
178 100
176 17.5 15.6 23.4
179 15.3 12.5 18.7



#72
Anthracene
Concen: 2.846 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion:178 Resp: 24120
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.0
179 18.3 12.6 18.8

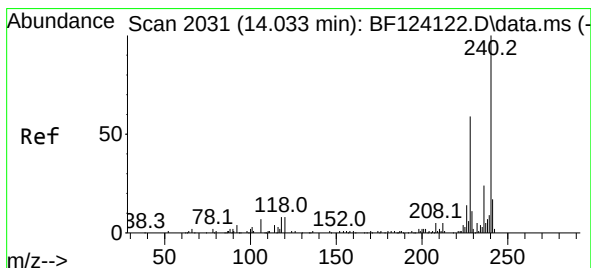
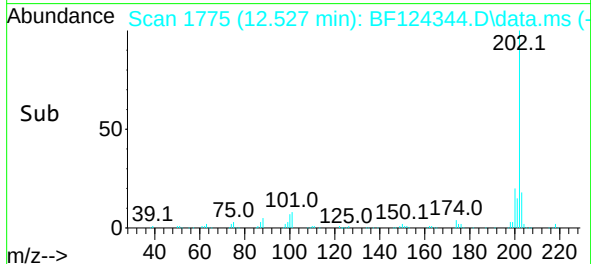
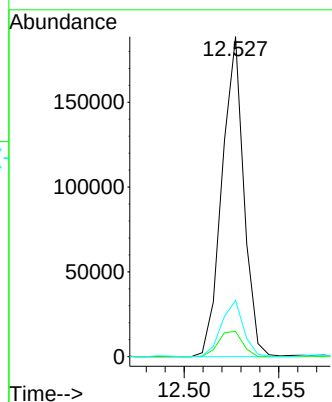
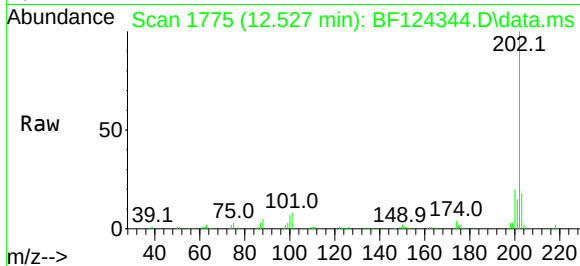




#75
Fluoranthene
Concen: 17.053 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

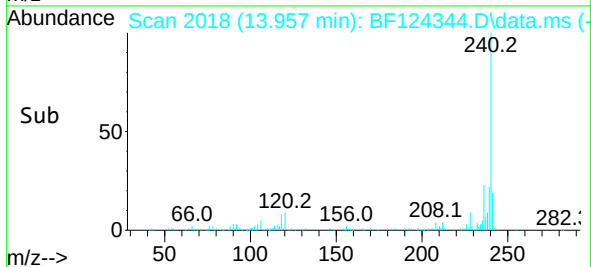
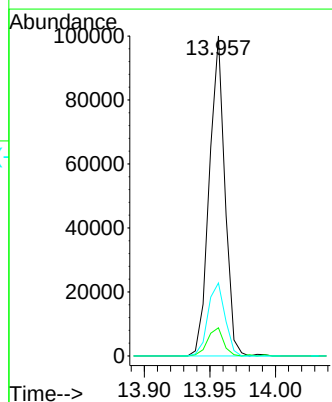
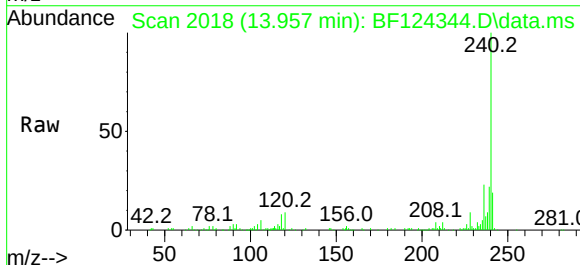
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

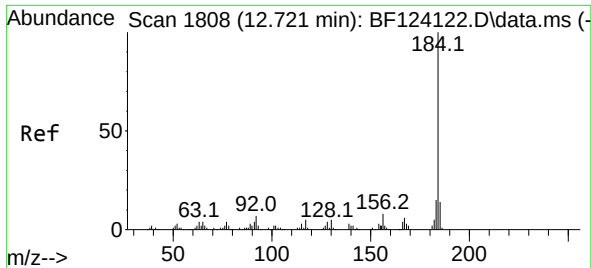
Tgt Ion:202 Resp: 150630
Ion Ratio Lower Upper
202 100
101 7.9 0.0 30.9
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion:240 Resp: 82531
Ion Ratio Lower Upper
240 100
120 8.8 7.2 10.8
236 22.8 19.0 28.4

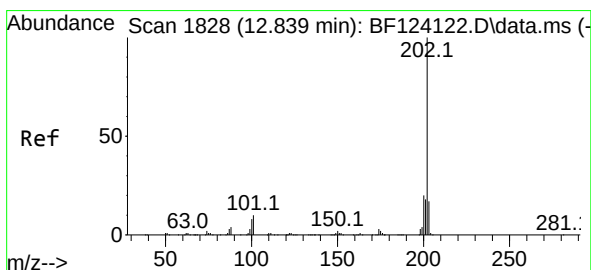
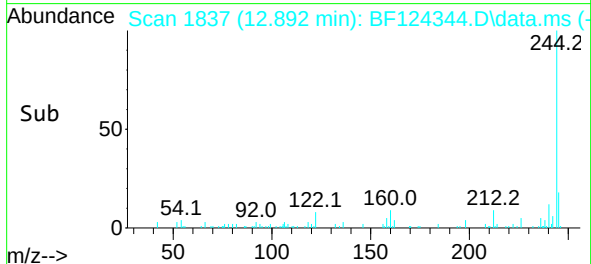
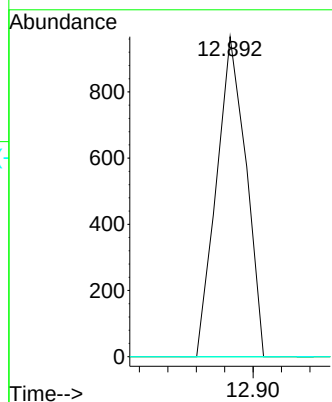
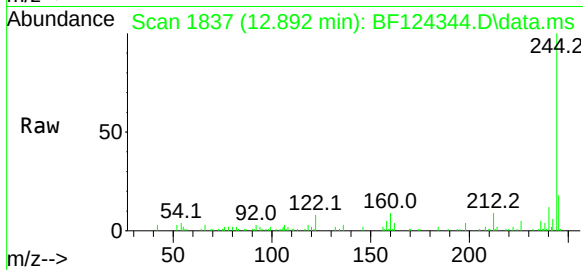




#77
Benzidine
Concen: 4.391 ng
RT: 12.892 min Scan# 1837
Delta R.T. 0.194 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

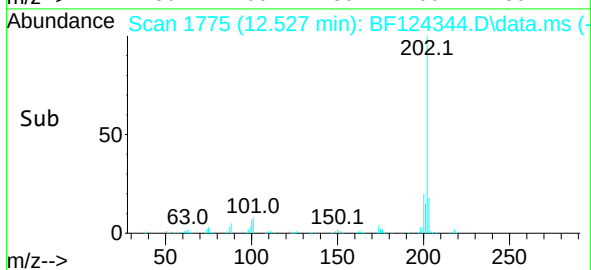
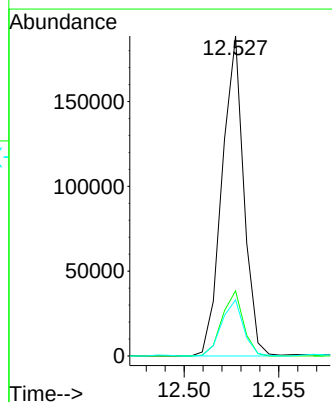
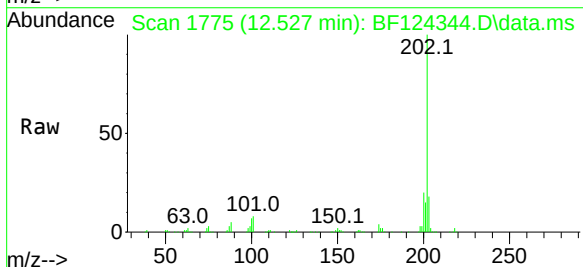
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

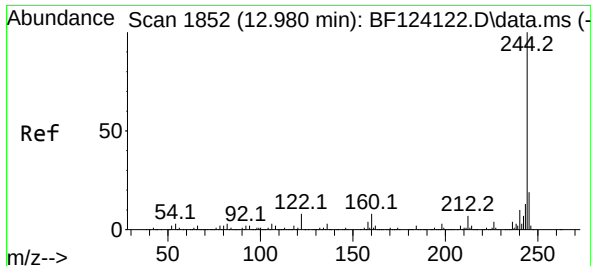
Tgt Ion:184 Resp: 695
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 19.007 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.235 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion:202 Resp: 150630
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.5 14.8 22.2

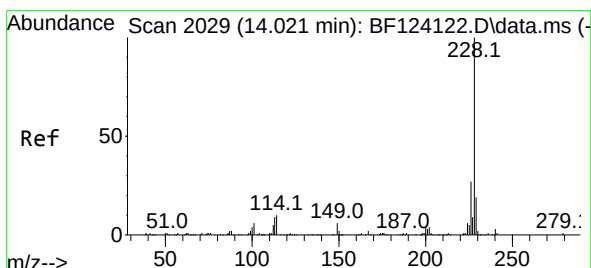
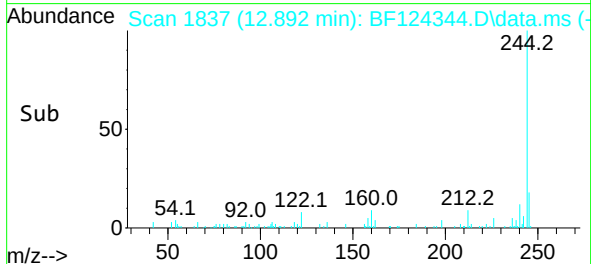
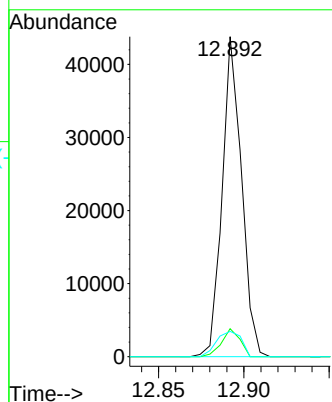
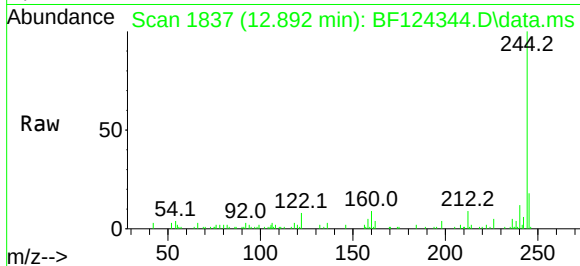




#79
 Terphenyl-d14
 Concen: 5.761 ng
 RT: 12.892 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF124344.D
 Acq: 16 Jun 2021 14:00

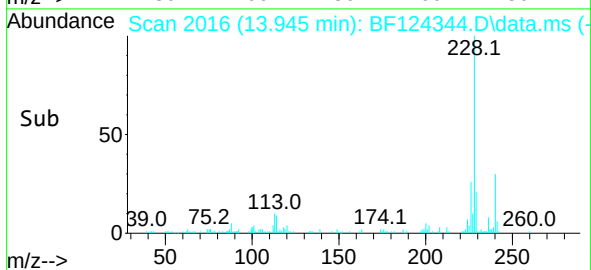
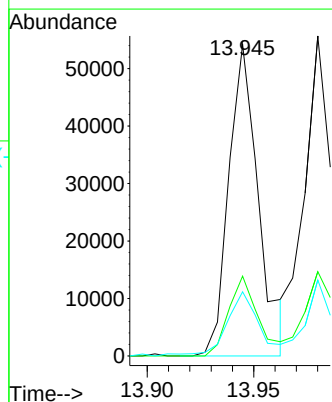
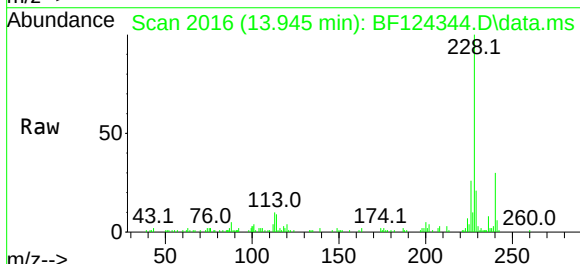
Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-208

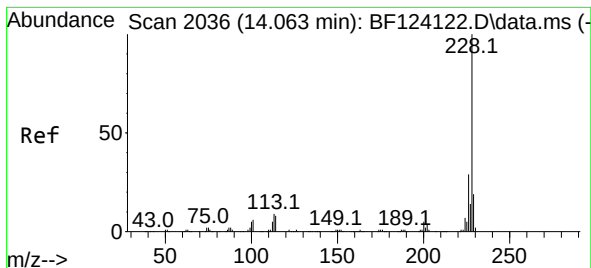
Tgt Ion:244 Resp: 34628
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.7 8.5#
 122 7.9 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 8.746 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF124344.D
 Acq: 16 Jun 2021 14:00

Tgt Ion:228 Resp: 52583
 Ion Ratio Lower Upper
 228 100
 226 25.6 22.4 33.6
 229 20.6 16.0 24.0





#83

Chrysene

Concen: 8.642 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF124344.D

Acq: 16 Jun 2021 14:00

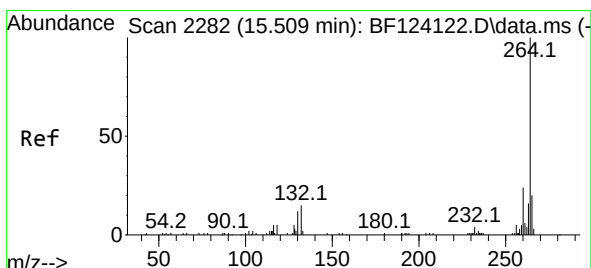
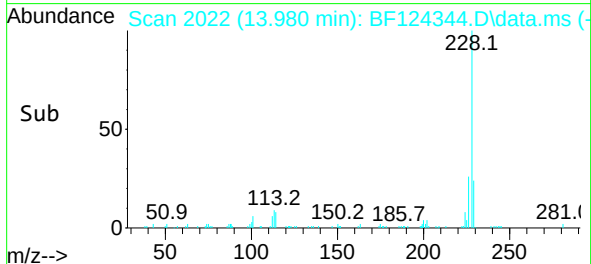
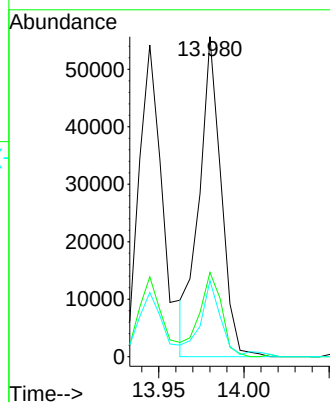
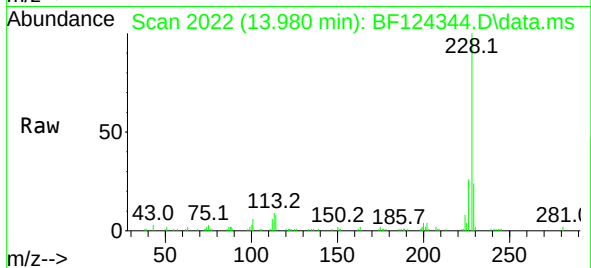
Tgt Ion:228 Resp: 50128

Ion Ratio Lower Upper

228 100

226 26.3 24.3 36.5

229 23.8 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2265

Delta R.T. -0.006 min

Lab File: BF124344.D

Acq: 16 Jun 2021 14:00

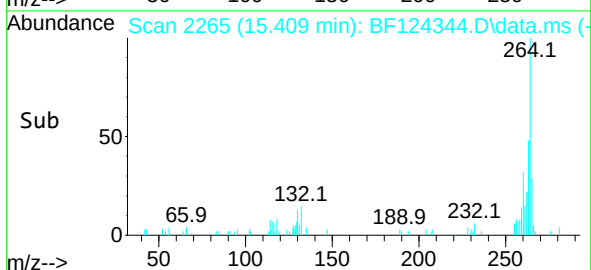
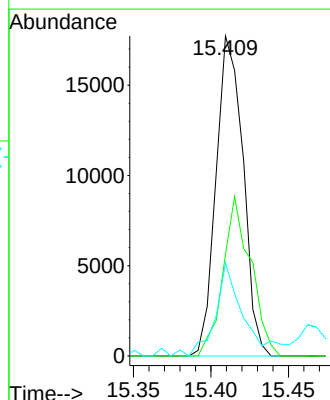
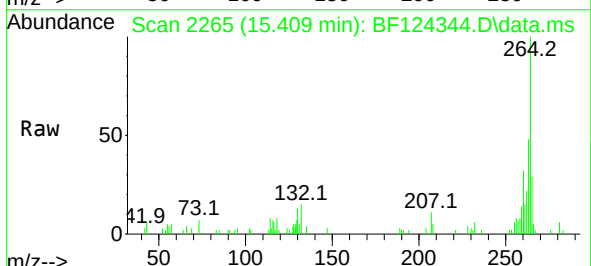
Tgt Ion:264 Resp: 21461

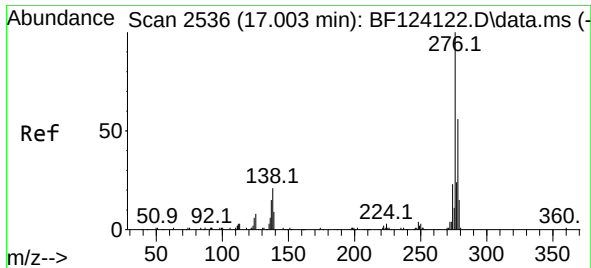
Ion Ratio Lower Upper

264 100

260 31.8 18.7 28.1#

265 29.1 17.8 26.8#

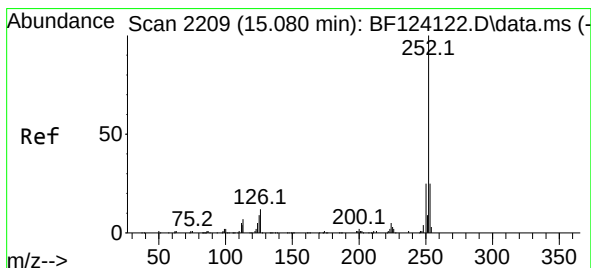
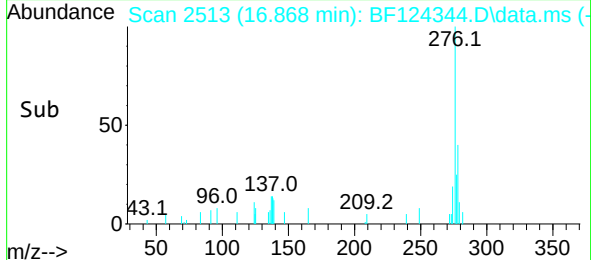
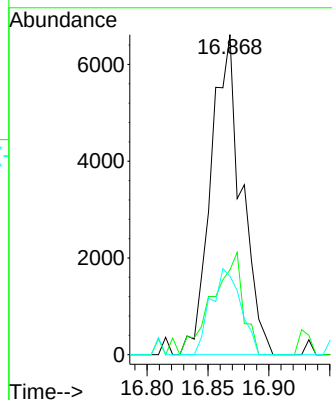
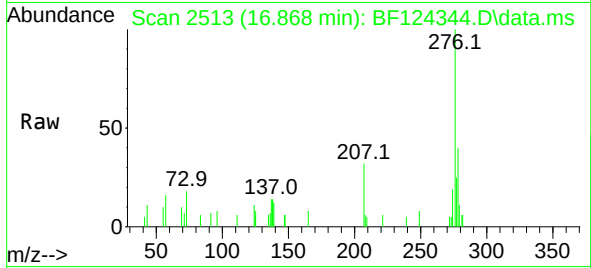




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.215 ng
RT: 16.868 min Scan# 2513
Delta R.T. -0.006 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

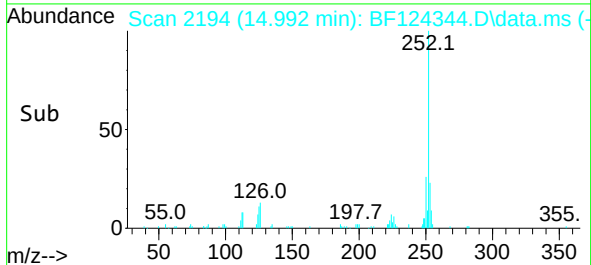
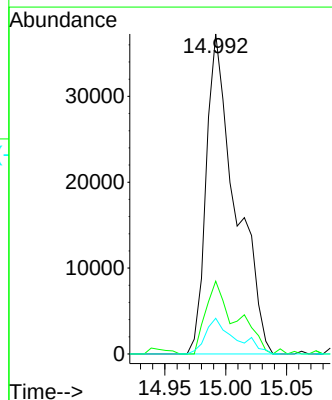
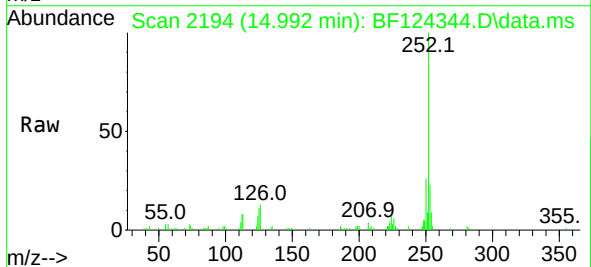
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

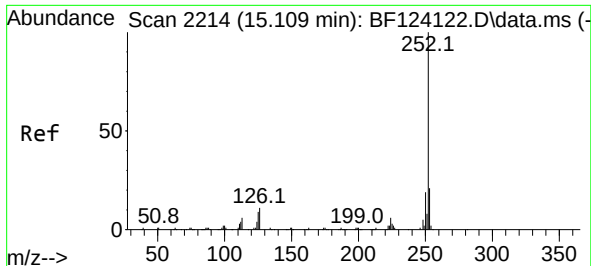
Tgt Ion:276 Resp: 11546
Ion Ratio Lower Upper
276 100
138 32.9 16.2 24.2#
277 26.2 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 37.438 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion:252 Resp: 62413
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 11.2 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 39.547 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.035 min

Lab File: BF124344.D

Acq: 16 Jun 2021 14:00

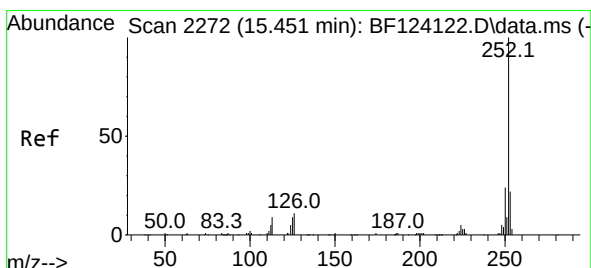
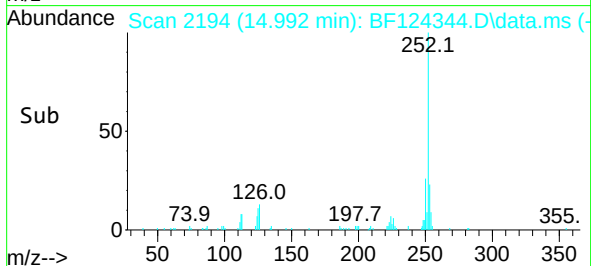
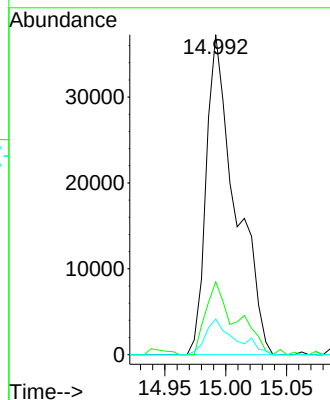
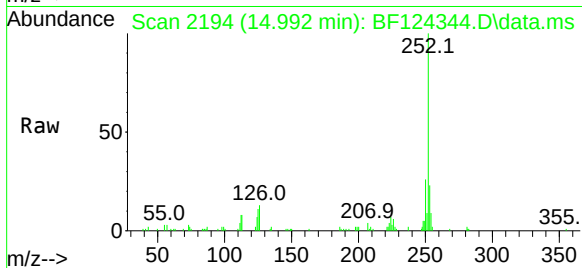
Tgt Ion:252	Resp:	62413
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.9 26.9
125	11.2	7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

RO-VNJ-208



#90

Benzo(a)pyrene

Concen: 13.476 ng

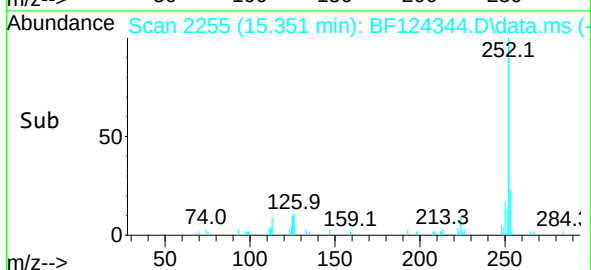
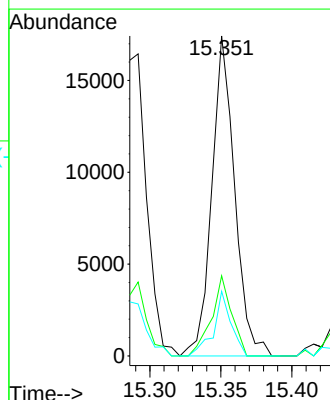
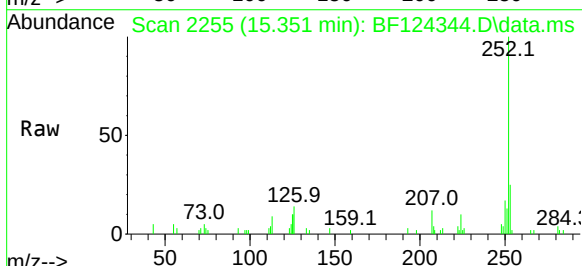
RT: 15.351 min Scan# 2255

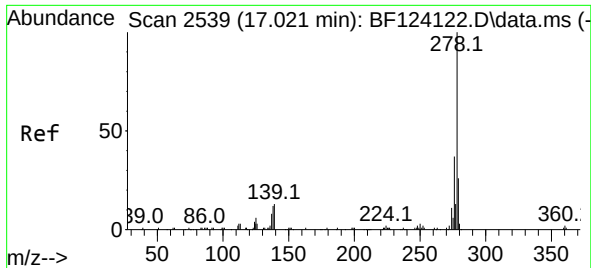
Delta R.T. -0.006 min

Lab File: BF124344.D

Acq: 16 Jun 2021 14:00

Tgt Ion:252	Resp:	19513
Ion Ratio	Lower	Upper
252	100	
253	25.1	18.4 27.6
125	20.2	8.0 12.0#

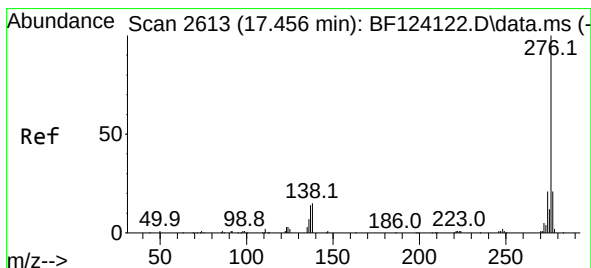
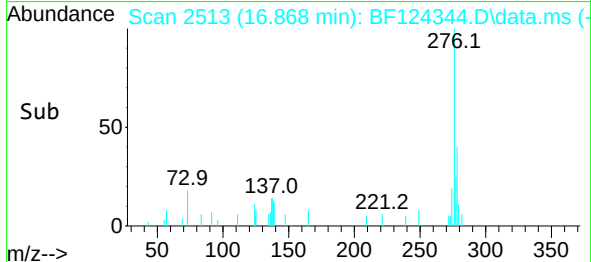
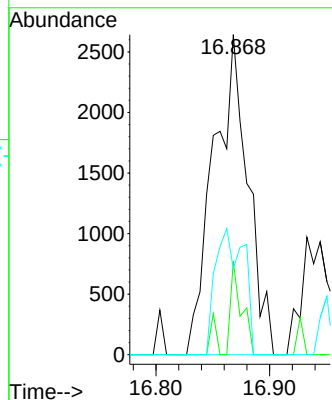
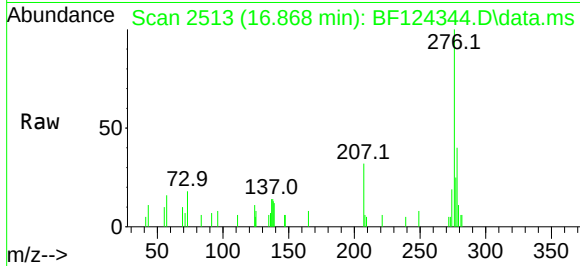




#91
Dibenzo(a,h)anthracene
Concen: 7.488 ng
RT: 16.868 min Scan# 2513
Delta R.T. -0.018 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-208

Tgt Ion:278 Resp: 5532
Ion Ratio Lower Upper
278 100
139 29.2 10.2 15.2#
279 26.9 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 9.252 ng
RT: 17.297 min Scan# 2586
Delta R.T. -0.018 min
Lab File: BF124344.D
Acq: 16 Jun 2021 14:00

Tgt Ion:276 Resp: 8897
Ion Ratio Lower Upper
276 100
277 23.6 18.2 27.2
138 33.2 13.8 20.6#

