

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127104.D
 Acq On : 28 Feb 2022 17:16
 Operator : CG\JU
 Sample : N1679-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-221

Quant Time: Mar 01 01:39:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

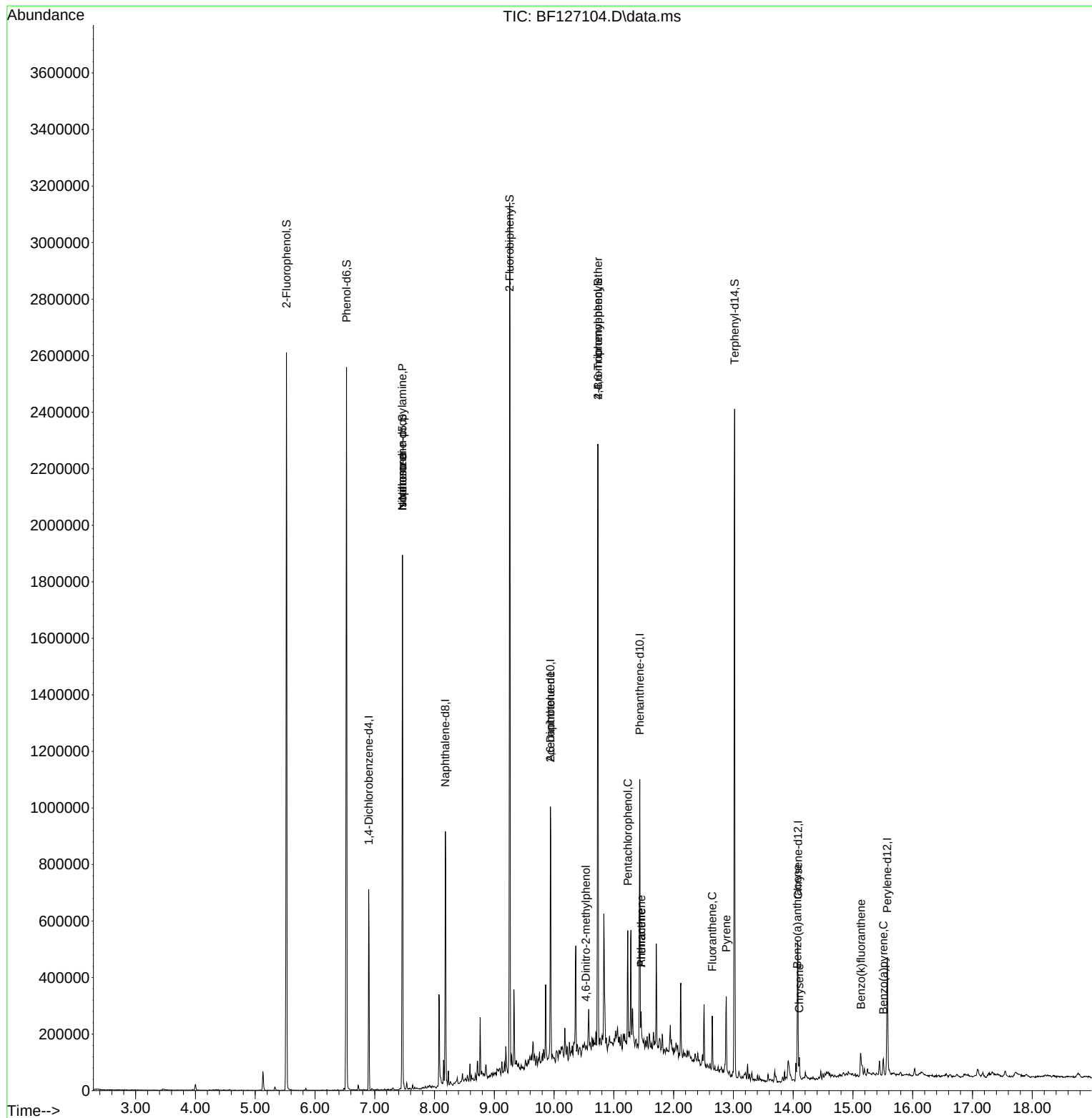
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	90956	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	360432	20.000	ng	#-0.01
39) Acenaphthene-d10	9.939	164	179288	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	293370	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	157988	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	175290	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	643673	109.376	ng	0.00
7) Phenol-d6	6.528	99	818590	103.086	ng	-0.01
23) Nitrobenzene-d5	7.463	82	584907	73.249	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	226958	109.947	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	898165	73.749	ng	-0.01
79) Terphenyl-d14	13.021	244	740118	68.866	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	82268	16.078	ng	# 79
25) Isophorone	7.463	82	585004	44.273	ng	# 69
51) 2,6-Dinitrotoluene	9.939	165	24929	9.561	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.533	198	3555	2.062	ng	# 76
67) 4-Bromophenyl-phenylether	10.733	248	14315	4.367	ng	# 1
70) Pentachlorophenol	11.233	266	38243	19.854	ng	94
71) Phenanthrene	11.457	178	33258	2.025	ng	97
72) Anthracene	11.457	178	33258	2.035	ng	96
75) Fluoranthene	12.645	202	64200	4.118	ng	94
78) Pyrene	12.880	202	62384	4.545	ng	99
81) Benzo(a)anthracene	14.068	228	26258	2.465	ng	94
83) Chrysene	14.104	228	32449	3.240	ng	97
89) Benzo(k)fluoranthene	15.133	252	57823	5.092	ng	# 96
90) Benzo(a)pyrene	15.509	252	26580	2.890	ng	# 93

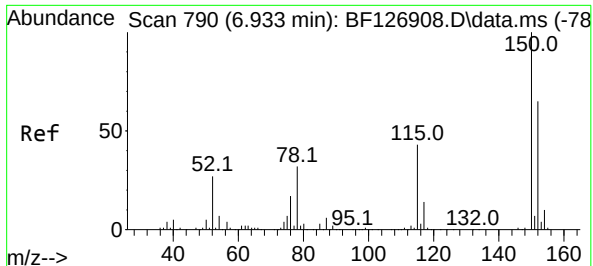
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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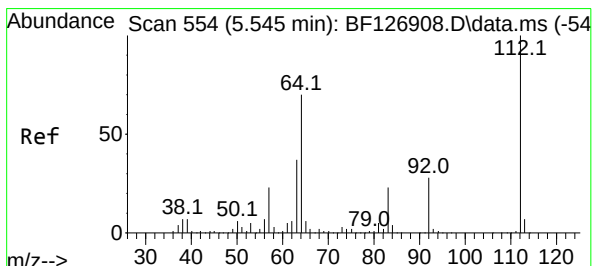
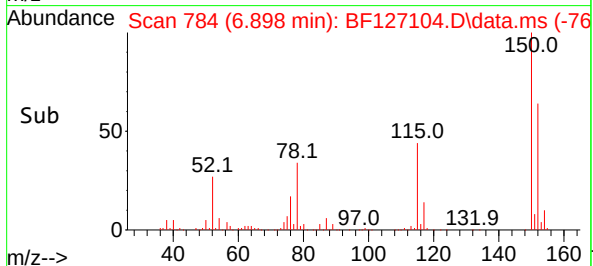
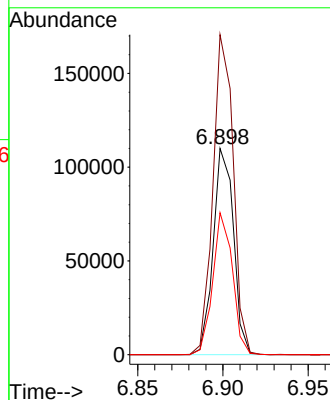
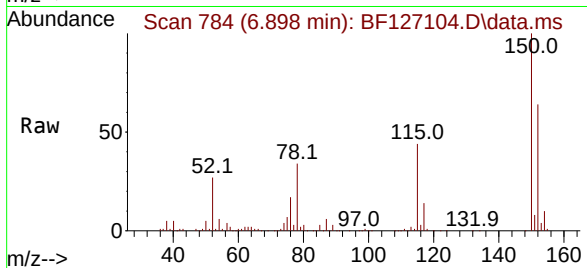




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

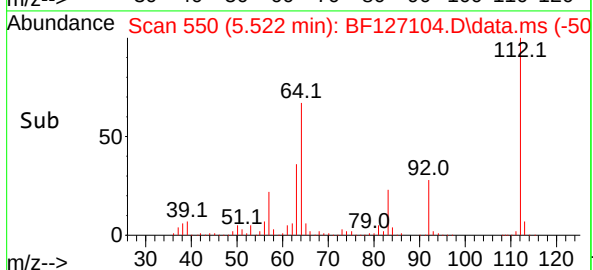
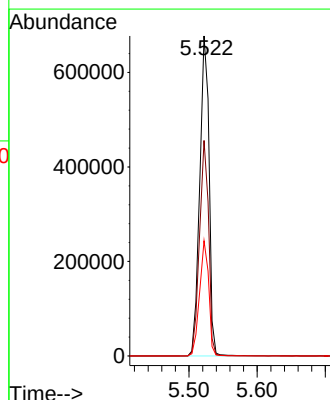
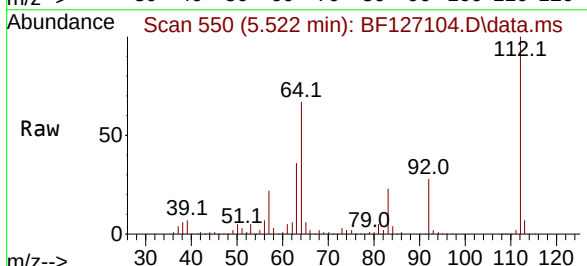
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-221

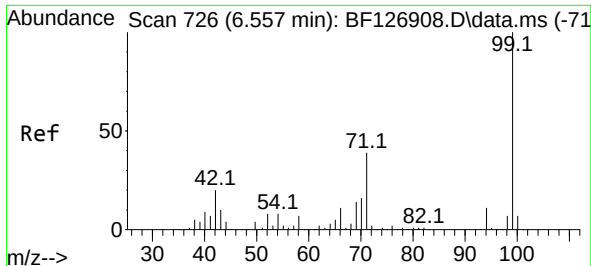
Tgt Ion:152 Resp: 90956
Ion Ratio Lower Upper
152 100
150 155.2 128.1 192.1
115 68.9 56.7 85.1



#5
2-Fluorophenol
Concen: 109.376 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

Tgt Ion:112 Resp: 643673
Ion Ratio Lower Upper
112 100
64 67.4 49.5 74.3
63 36.0 23.9 35.9#

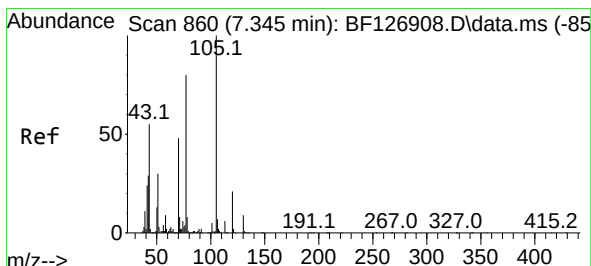
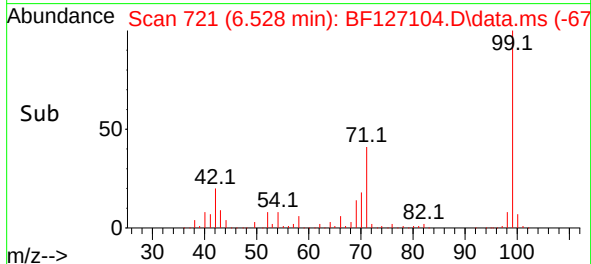
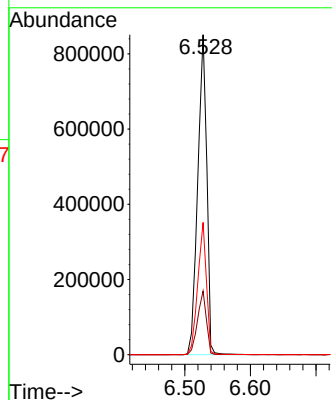
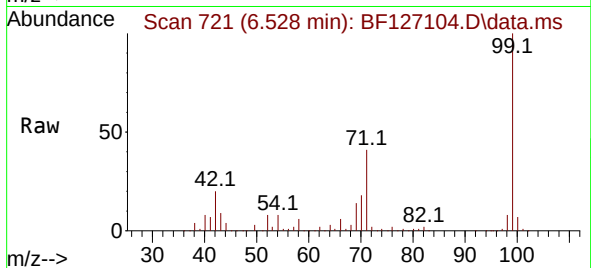




#7
Phenol-d6
Concen: 103.086 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

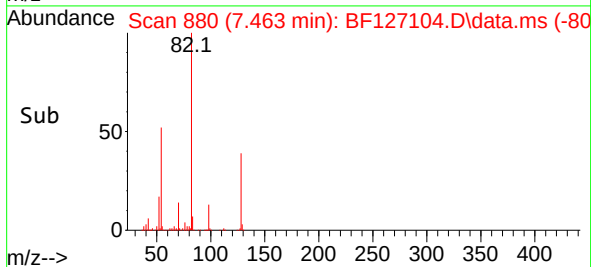
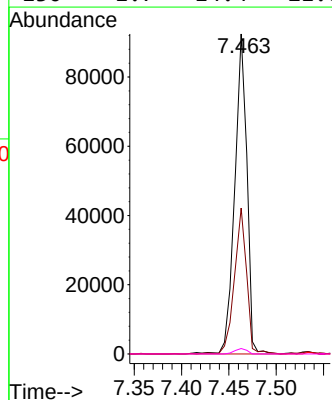
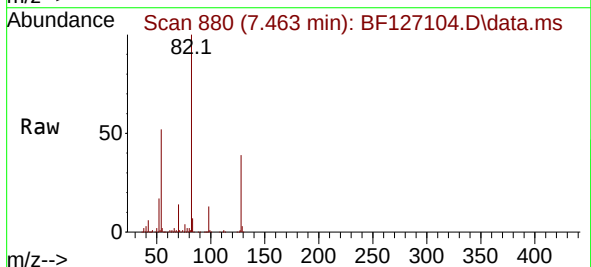
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-221

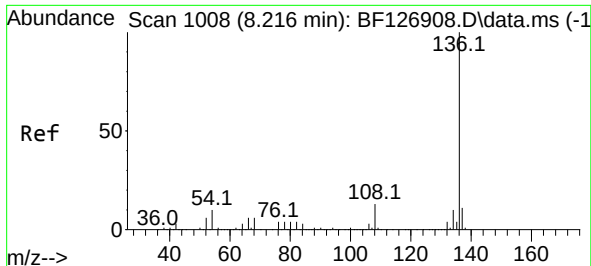
Tgt Ion: 99 Resp: 818590
Ion Ratio Lower Upper
99 100
42 19.9 14.2 21.4
71 41.3 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 16.078 ng
RT: 7.463 min Scan# 880
Delta R.T. 0.141 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

Tgt Ion: 70 Resp: 82268
Ion Ratio Lower Upper
70 100
42 45.6 45.8 68.8#
101 0.0 6.9 10.3#
130 1.7 14.4 21.6#

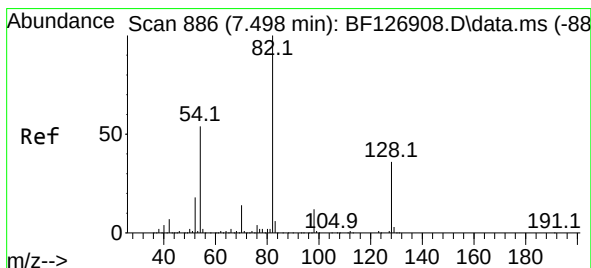
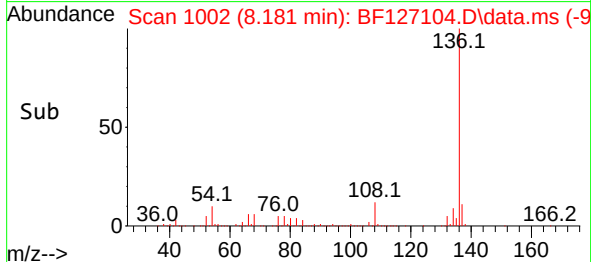
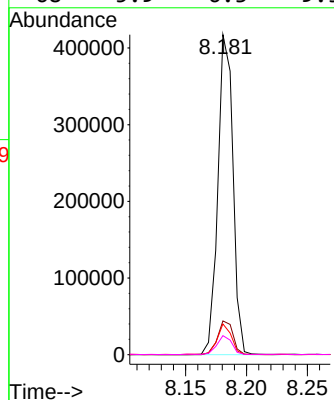
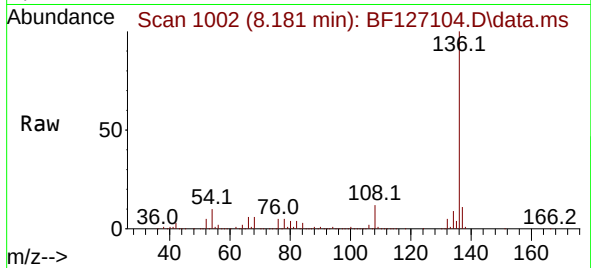




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.012 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

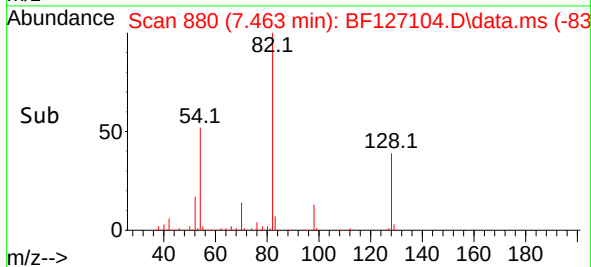
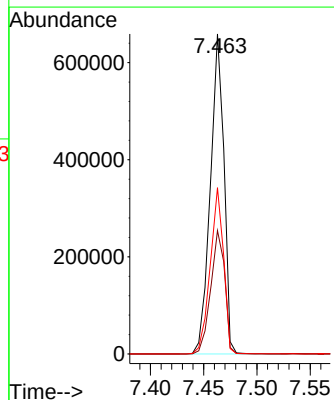
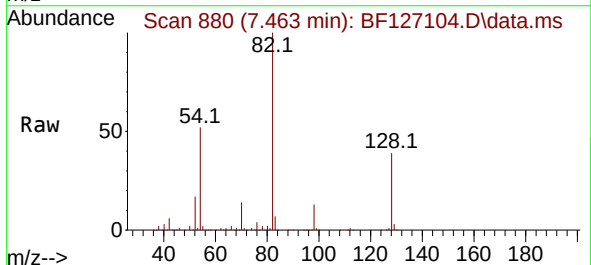
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-221

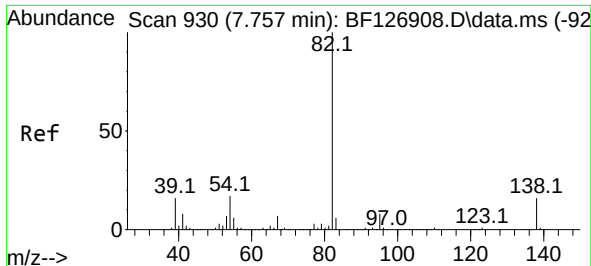
Tgt Ion:136 Resp: 360432
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.6 7.8 11.6
68 5.9 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 73.249 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

Tgt Ion: 82 Resp: 584907
Ion Ratio Lower Upper
82 100
128 38.5 32.7 49.1
54 52.0 41.7 62.5

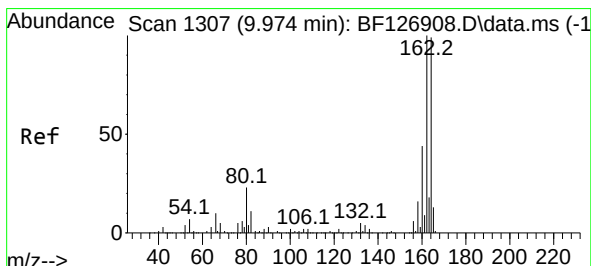
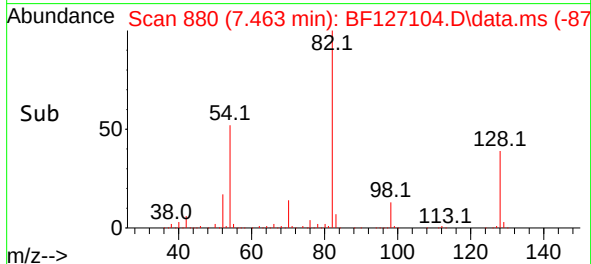
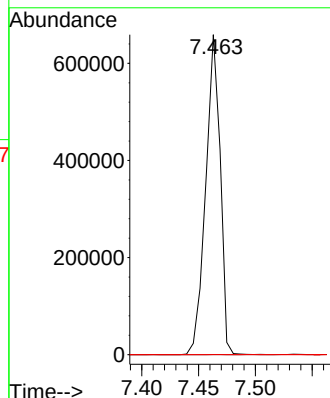
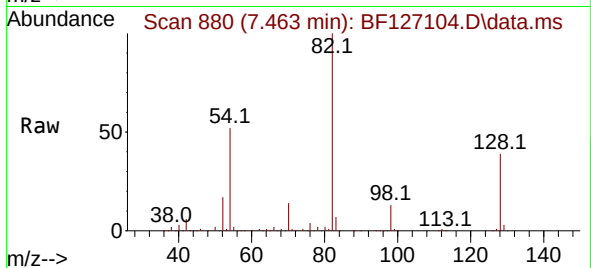




#25
Isophorone
Concen: 44.273 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

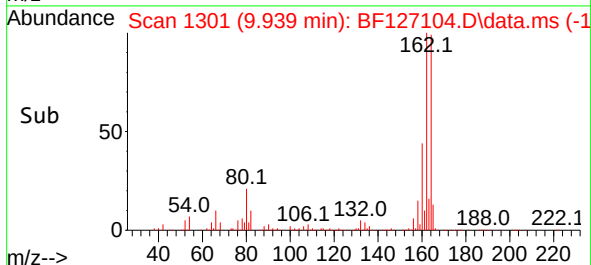
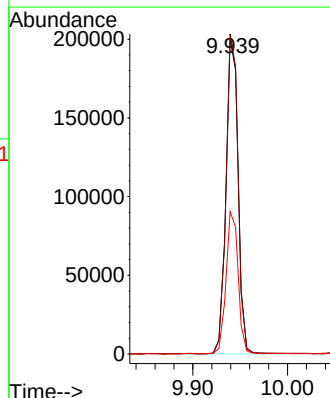
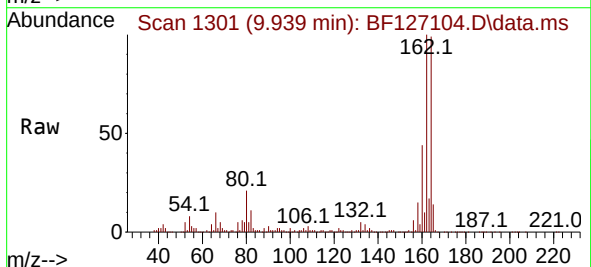
Instrument :
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ClientSampleId :
RO-VNJ-221

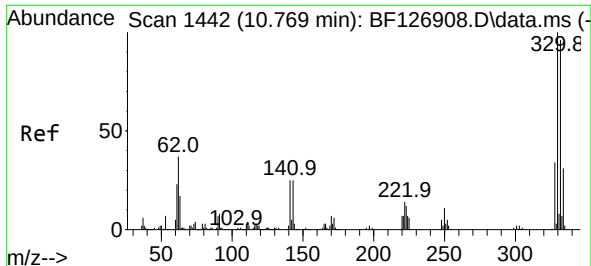
Tgt Ion: 82 Resp: 585004
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

Tgt Ion:164 Resp: 179288
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 45.2 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 109.947 ng

RT: 10.733 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

Instrument :

BNA_F

ClientSampleId :

RO-VNJ-221

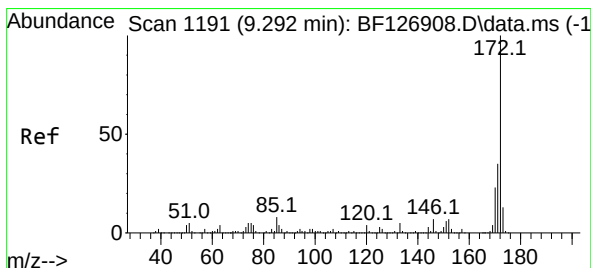
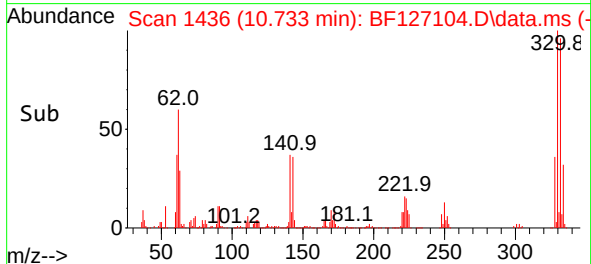
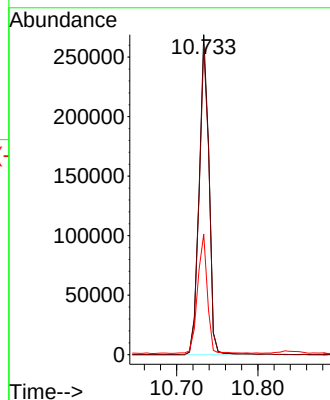
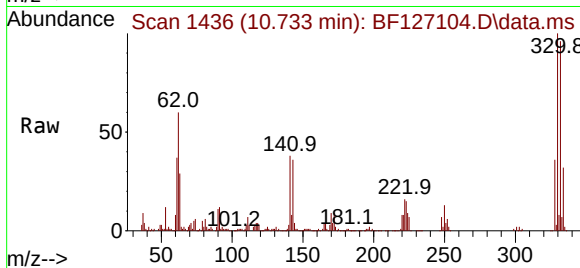
Tgt Ion:330 Resp: 226958

Ion Ratio Lower Upper

330 100

332 97.2 76.0 114.0

141 37.0 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 73.749 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

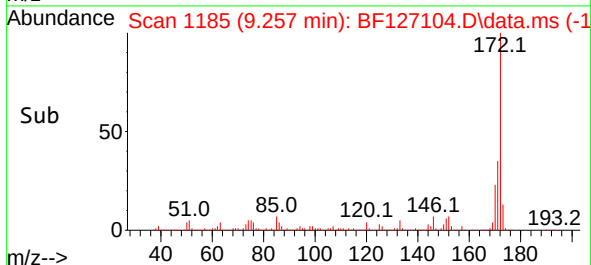
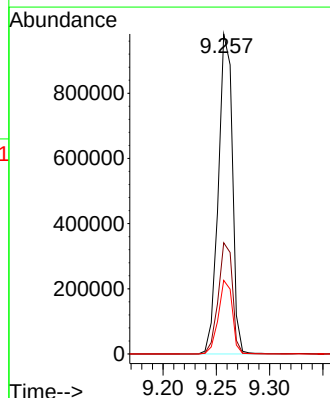
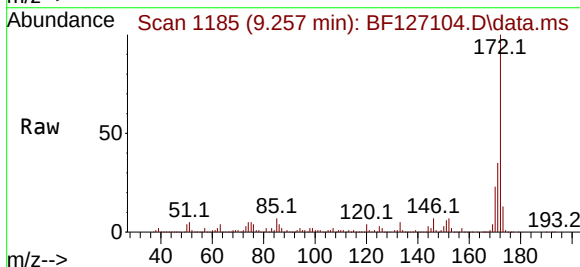
Tgt Ion:172 Resp: 898165

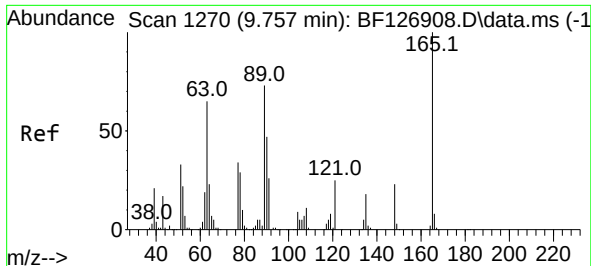
Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 23.0 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.561 ng

RT: 9.939 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

Instrument :

BNA_F

ClientSampleId :

RO-VNJ-221

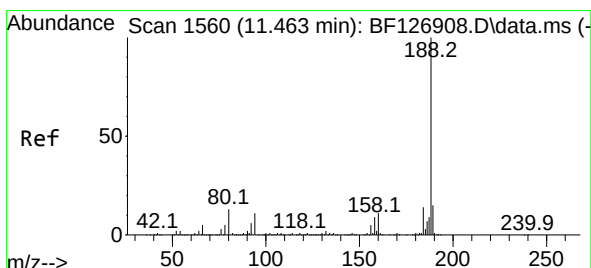
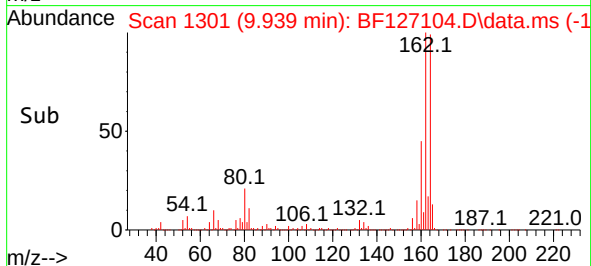
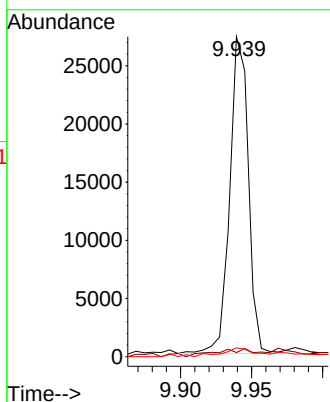
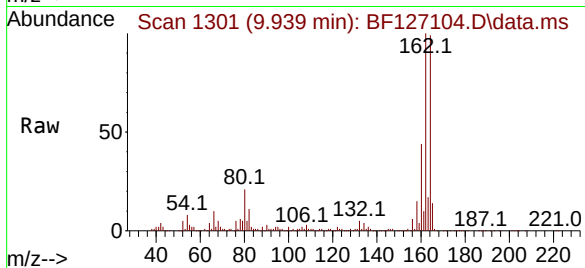
Tgt Ion:165 Resp: 24929

Ion Ratio Lower Upper

165 100

63 1.3 48.4 72.6#

89 2.7 50.5 75.7#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.433 min Scan# 1555

Delta R.T. -0.012 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

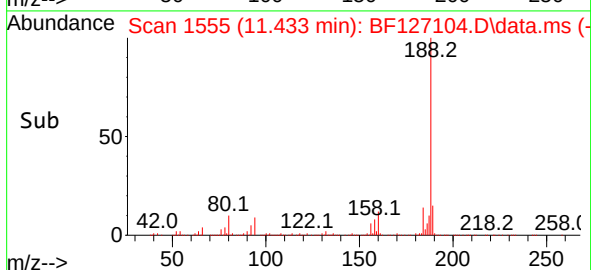
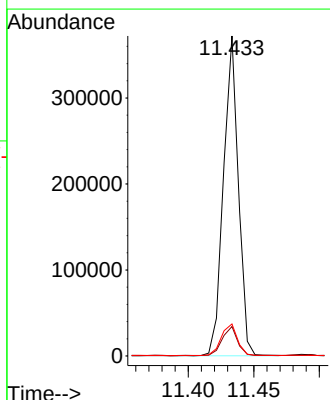
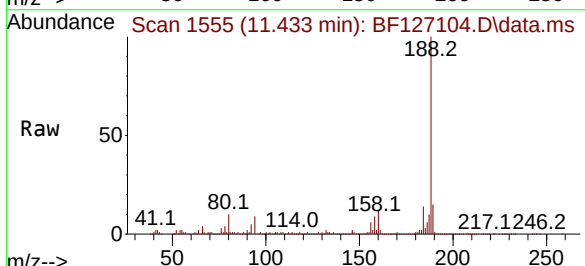
Tgt Ion:188 Resp: 293370

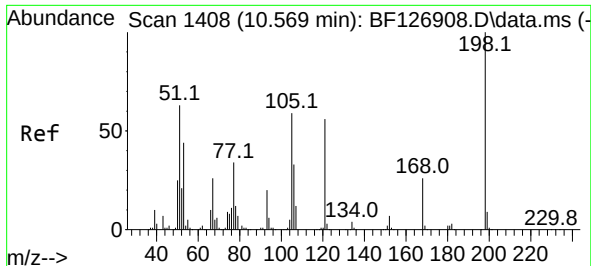
Ion Ratio Lower Upper

188 100

94 9.2 10.1 15.1#

80 10.0 11.8 17.6#

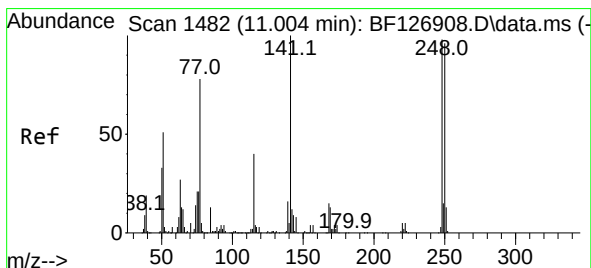
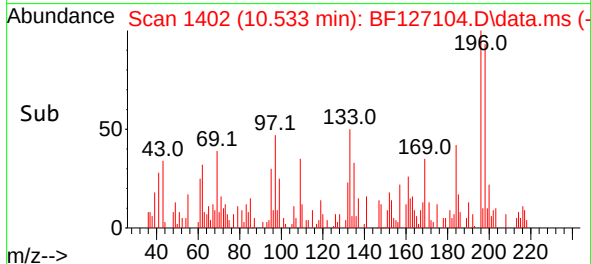
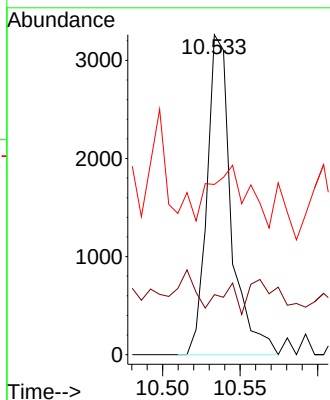
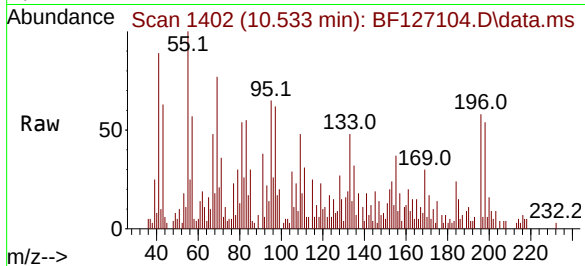




#65
4,6-Dinitro-2-methylphenol
Concen: 2.062 ng
RT: 10.533 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

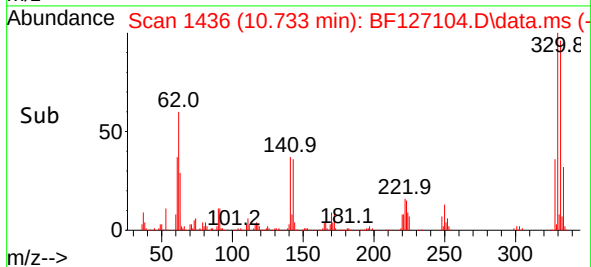
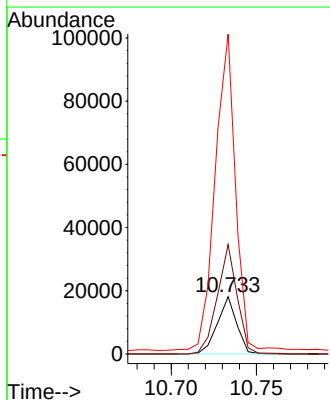
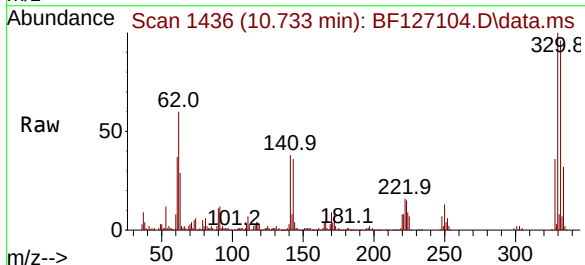
Instrument :
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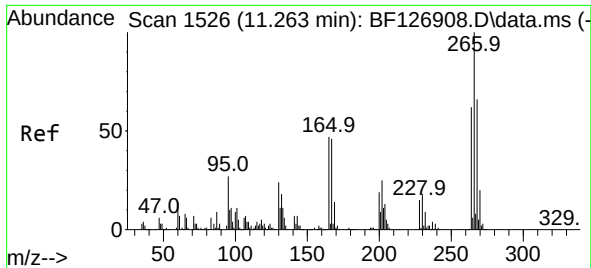
Tgt Ion:198 Resp: 3555
Ion Ratio Lower Upper
198 100
51 18.7 32.0 72.0#
105 53.2 32.7 72.7



#67
4-Bromophenyl-phenylether
Concen: 4.367 ng
RT: 10.733 min Scan# 1436
Delta R.T. -0.253 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

Tgt Ion:248 Resp: 14315
Ion Ratio Lower Upper
248 100
250 190.6 76.2 114.4#
141 558.2 66.2 99.4#

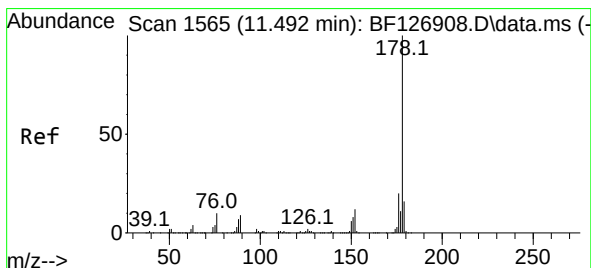
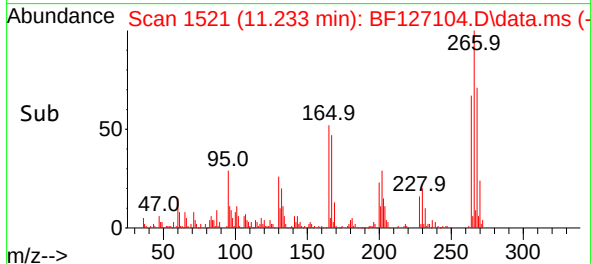
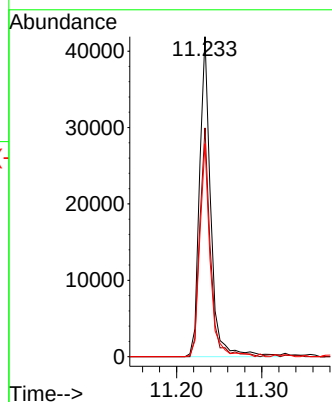
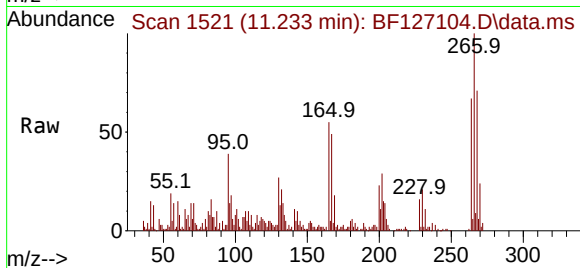




#70
 Pentachlorophenol
 Concen: 19.854 ng
 RT: 11.233 min Scan# 1521
 Delta R.T. -0.006 min
 Lab File: BF127104.D
 Acq: 28 Feb 2022 17:16

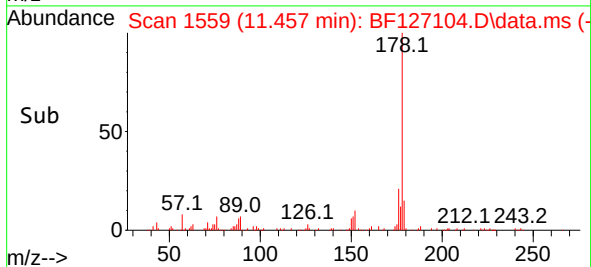
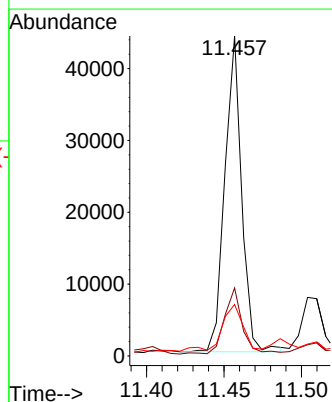
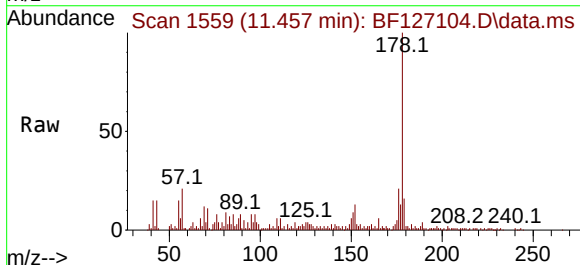
Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-221

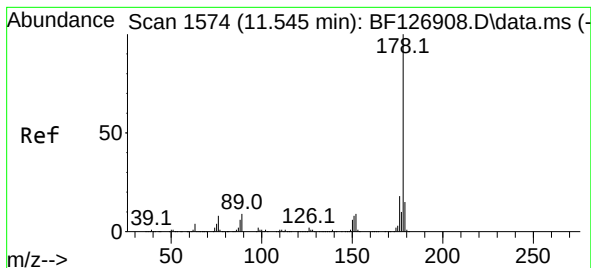
Tgt Ion:266 Resp: 38243
 Ion Ratio Lower Upper
 266 100
 268 71.5 52.3 78.5
 264 66.6 50.4 75.6



#71
 Phenanthrene
 Concen: 2.025 ng
 RT: 11.457 min Scan# 1559
 Delta R.T. -0.012 min
 Lab File: BF127104.D
 Acq: 28 Feb 2022 17:16

Tgt Ion:178 Resp: 33258
 Ion Ratio Lower Upper
 178 100
 176 21.3 15.7 23.5
 179 16.1 12.3 18.5





#72

Anthracene

Concen: 2.035 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.065 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

Instrument :

BNA_F

ClientSampleId :

RO-VNJ-221

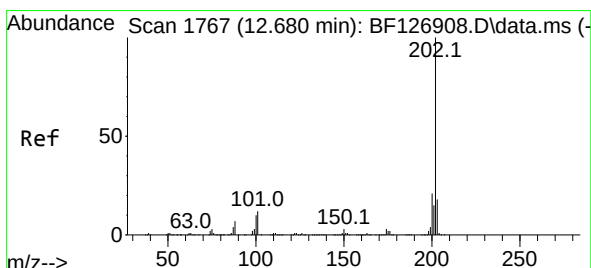
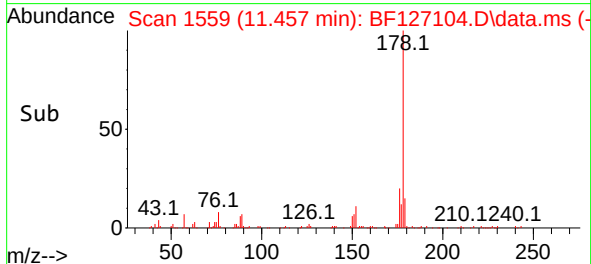
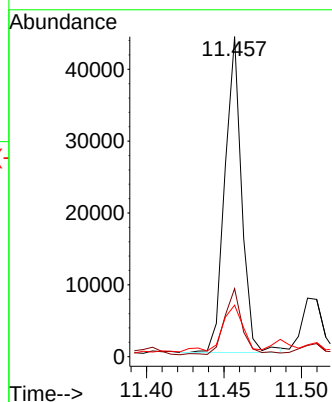
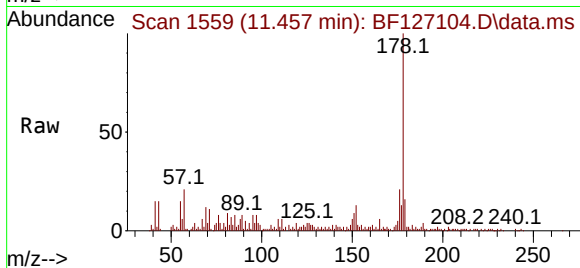
Tgt Ion:178 Resp: 33258

Ion Ratio Lower Upper

178 100

176 21.3 15.0 22.6

179 16.1 12.5 18.7



#75

Fluoranthene

Concen: 4.118 ng

RT: 12.645 min Scan# 1761

Delta R.T. -0.012 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

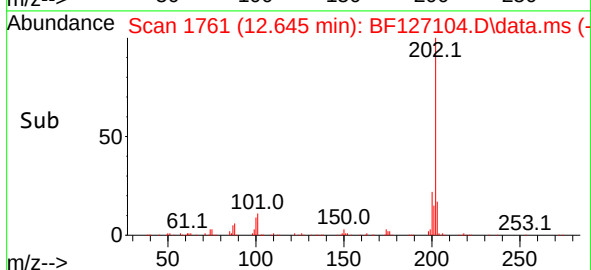
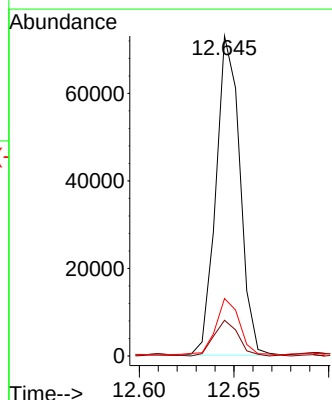
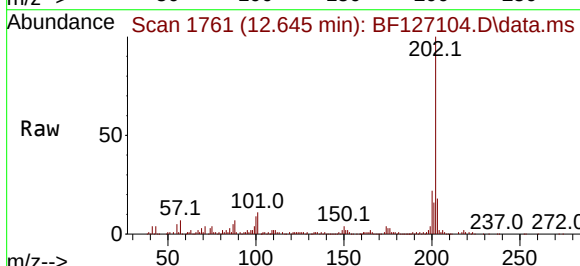
Tgt Ion:202 Resp: 64200

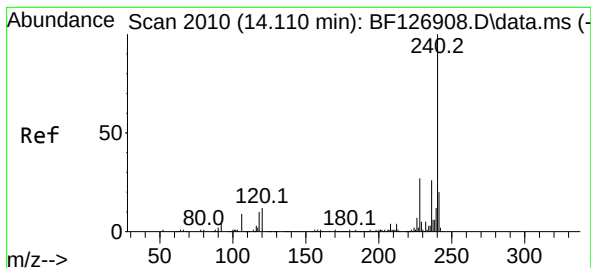
Ion Ratio Lower Upper

202 100

101 11.2 0.0 35.7

203 18.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

Instrument :

BNA_F

ClientSampleId :

RO-VNJ-221

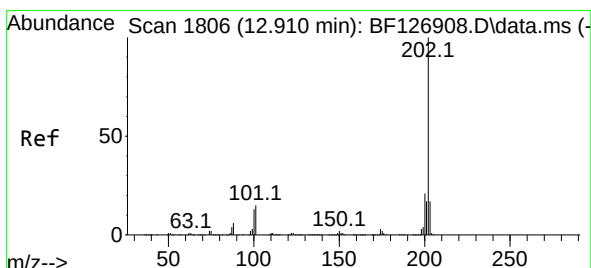
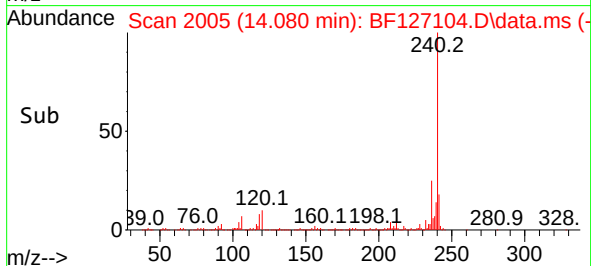
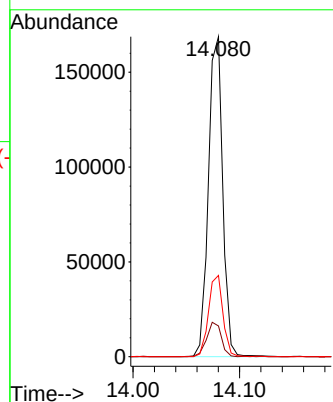
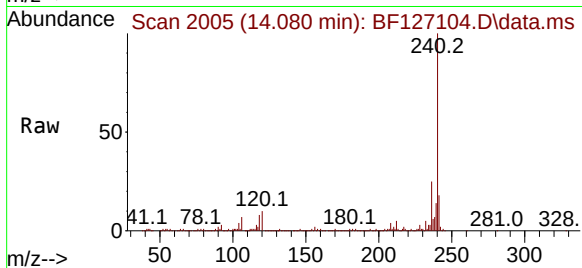
Tgt Ion:240 Resp: 157988

Ion Ratio Lower Upper

240 100

120 9.6 14.4 21.6#

236 25.4 20.5 30.7



#78

Pyrene

Concen: 4.545 ng

RT: 12.880 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

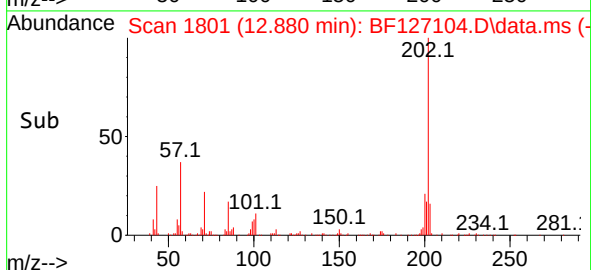
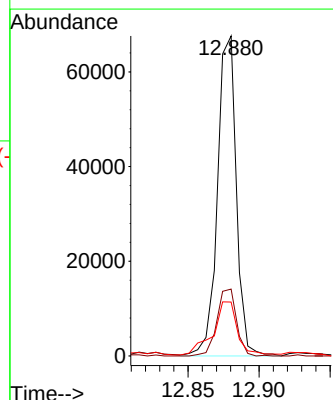
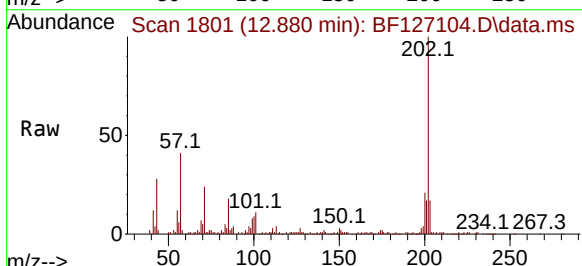
Tgt Ion:202 Resp: 62384

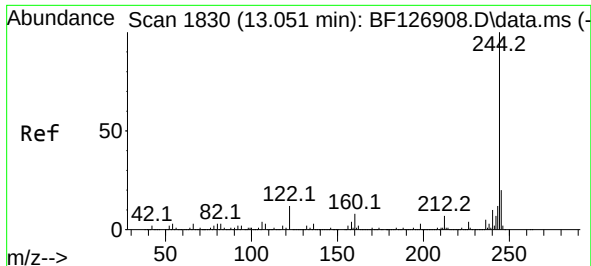
Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

203 16.8 13.8 20.8

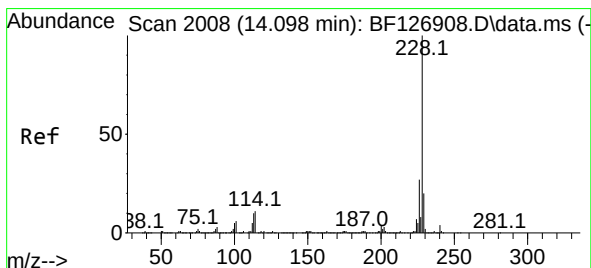
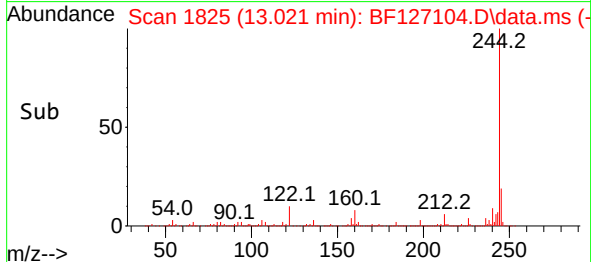
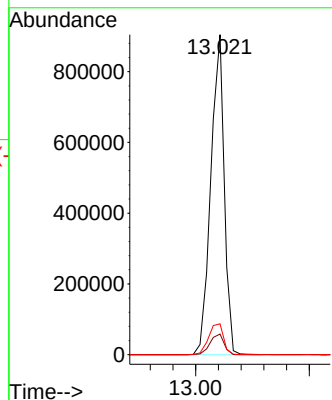
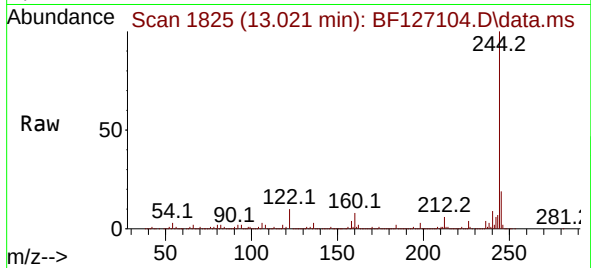




#79
 Terphenyl-d14
 Concen: 68.866 ng
 RT: 13.021 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: BF127104.D
 Acq: 28 Feb 2022 17:16

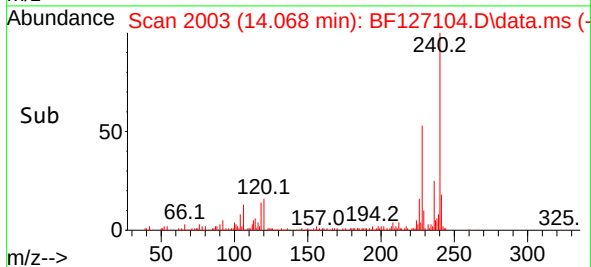
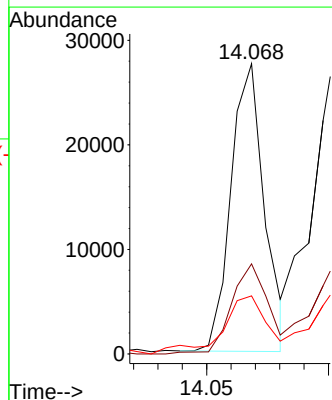
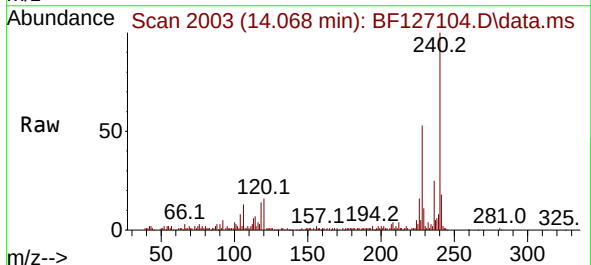
Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-221

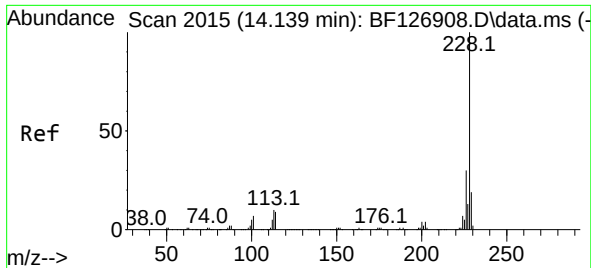
Tgt Ion:244 Resp: 740118
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 9.6 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 2.465 ng
 RT: 14.068 min Scan# 2003
 Delta R.T. -0.012 min
 Lab File: BF127104.D
 Acq: 28 Feb 2022 17:16

Tgt Ion:228 Resp: 26258
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.4 32.0
 229 20.0 15.4 23.2

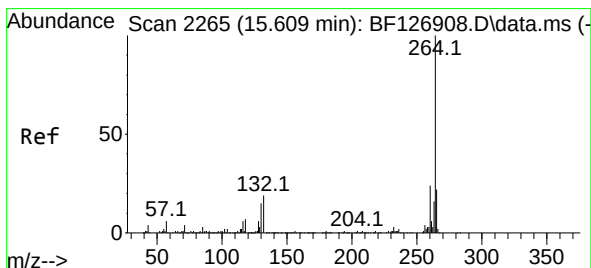
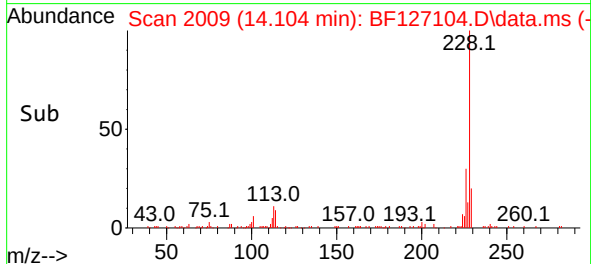
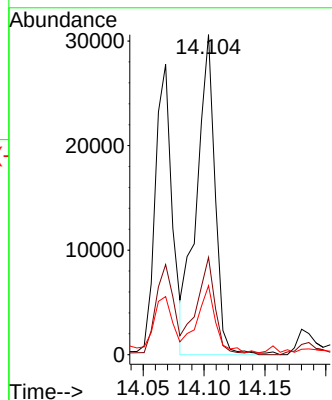
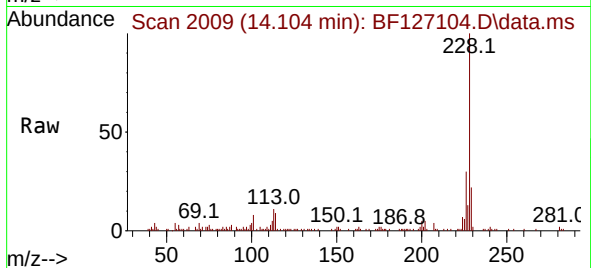




#83
Chrysene
Concen: 3.240 ng
RT: 14.104 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

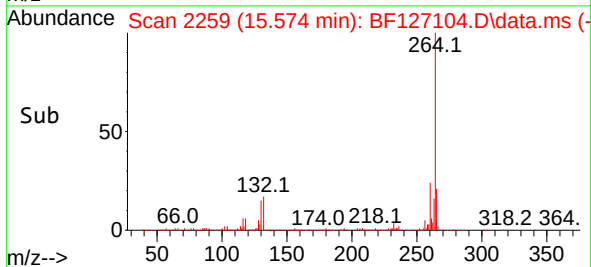
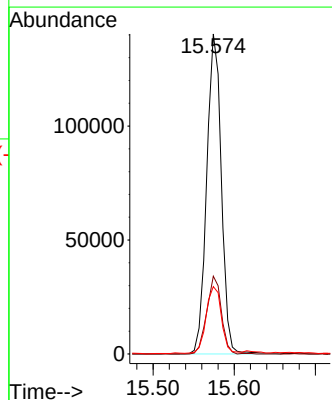
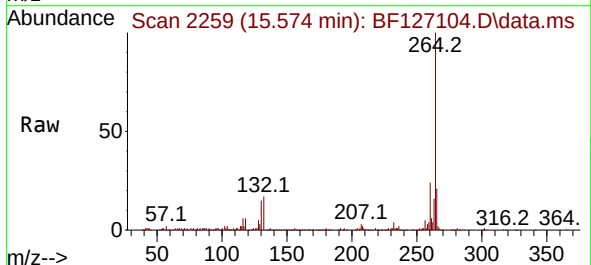
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-221

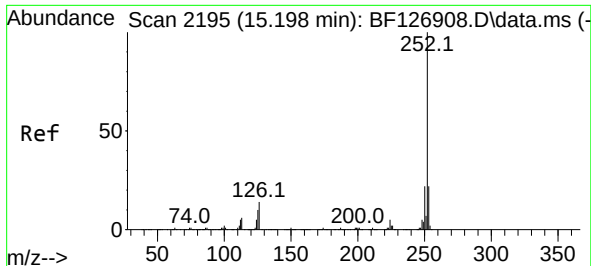
Tgt Ion:228 Resp: 32449
Ion Ratio Lower Upper
228 100
226 30.4 23.7 35.5
229 21.6 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF127104.D
Acq: 28 Feb 2022 17:16

Tgt Ion:264 Resp: 175290
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.0 17.4 26.2





#89

Benzo(k)fluoranthene

Concen: 5.092 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

Instrument :

BNA_F

ClientSampleId :

RO-VNJ-221

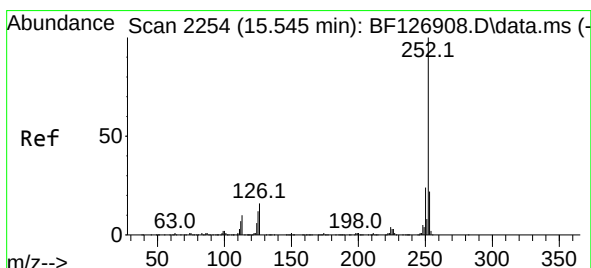
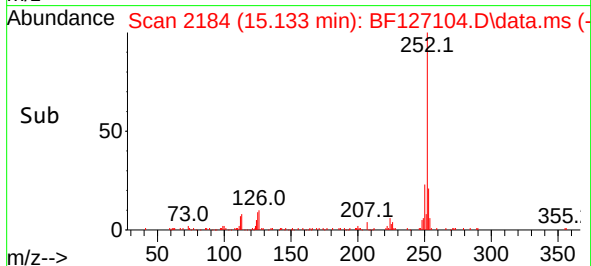
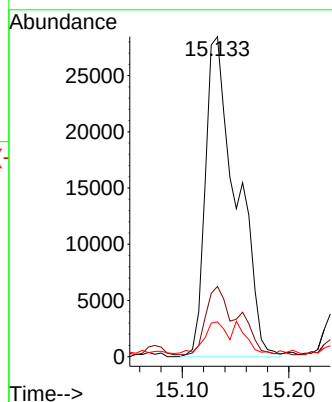
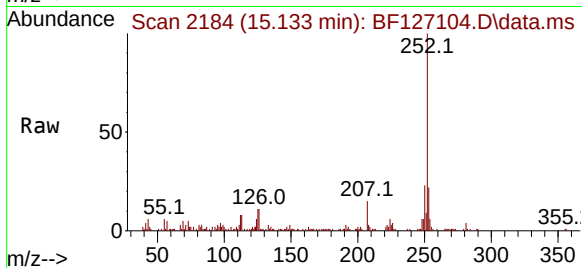
Tgt Ion:252 Resp: 57823

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.9 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 2.890 ng

RT: 15.509 min Scan# 2248

Delta R.T. -0.012 min

Lab File: BF127104.D

Acq: 28 Feb 2022 17:16

Tgt Ion:252 Resp: 26580

Ion Ratio Lower Upper

252 100

253 24.5 17.1 25.7

125 12.8 13.0 19.6#

