

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119614.D
 Acq On : 28 Mar 2020 14:03
 Operator : CG/JU
 Sample : L2040-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-350

Quant Time: Mar 29 23:17:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

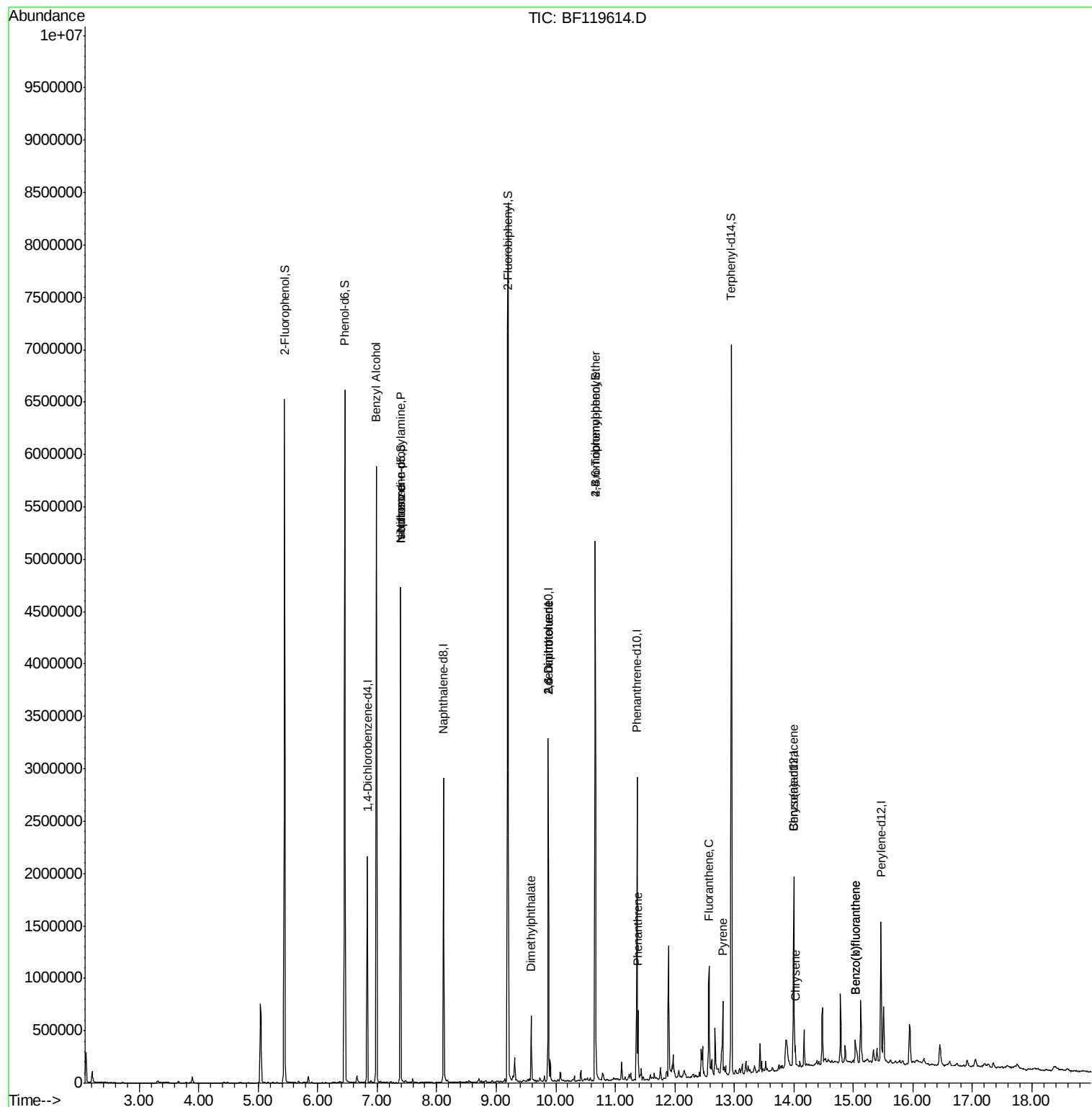
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	307200	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1156974	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	590553	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1037424	20.00	ng	0.00
76) Chrysene-d12	14.00	240	604558	20.00	ng	-0.02
87) Perylene-d12	15.46	264	626151	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1699819	88.08	ng	0.00
7) Phenol-d6	6.46	99	2394145	97.12	ng	0.00
23) Nitrobenzene-d5	7.39	82	1488113	69.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	613253	100.66	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2672538	67.04	ng	0.00
79) Terphenyl-d14	12.95	244	2440284	79.08	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	6.99	79	37852	2.04	ng	# 49
19) n-Nitroso-di-n-propylamine	7.39	70	195670	13.17	ng	# 74
25) Isophorone	7.39	82	1475880	34.18	ng	# 65
50) Dimethylphthalate	9.59	163	220261	5.25	ng	99
51) 2,6-Dinitrotoluene	9.87	165	78563	8.74	ng	# 26
57) 2,4-Dinitrotoluene	9.87	165	78563	6.94	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	37610	3.18	ng	# 1
71) Phenanthrene	11.39	178	242927	4.52	ng	97
75) Fluoranthene	12.57	202	412036	7.08	ng	96
78) Pyrene	12.80	202	307892	6.21	ng	95
81) Benzo(a)anthracene	13.99	228	88637	2.25	ng	99
83) Chrysene	14.03	228	87304	2.15	ng	96
88) Benzo(b)fluoranthene	15.03	252	159677	3.82	ng	98
89) Benzo(k)fluoranthene	15.03	252	159677	4.01	ng	98

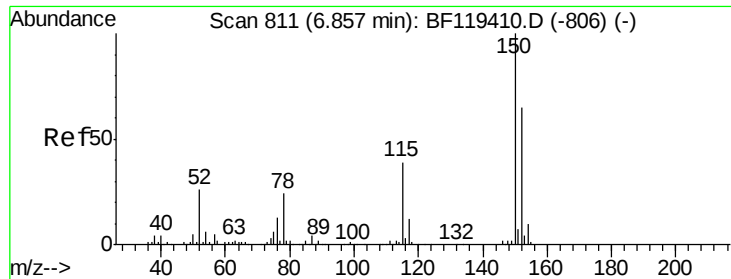
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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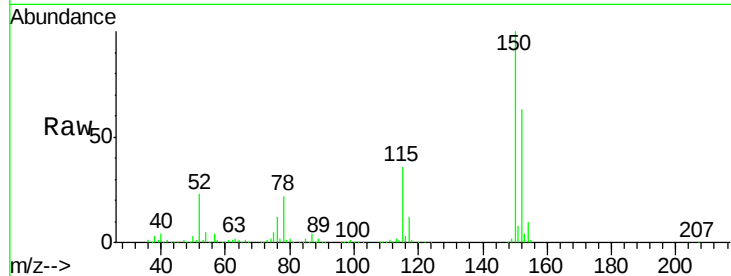


#1

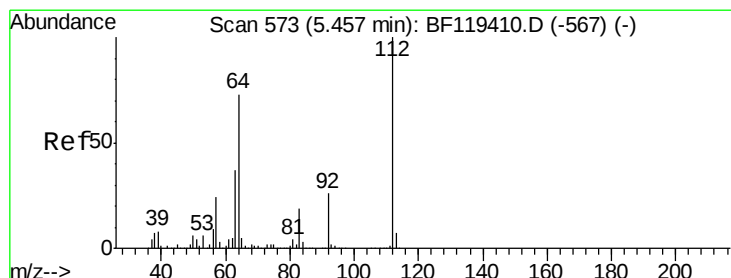
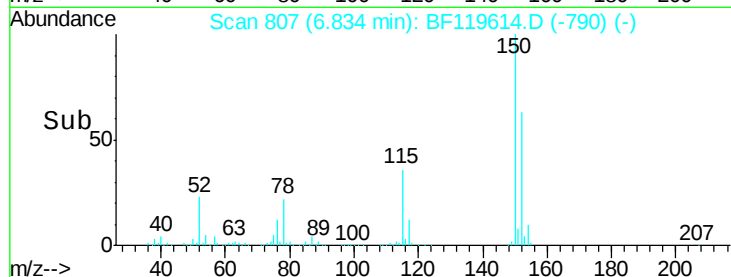
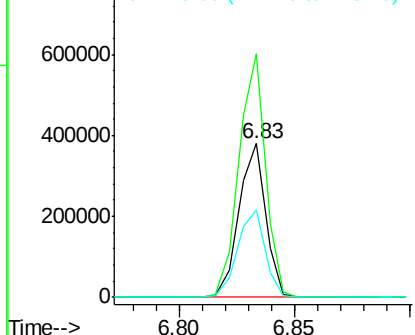
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Instrument :
BNA_F
ClientSampleId :
RO-350

Tgt Ion:152 Resp: 307200
Ion Ratio Lower Upper
152 100
150 158.2 124.5 186.7
115 56.7 49.6 74.4



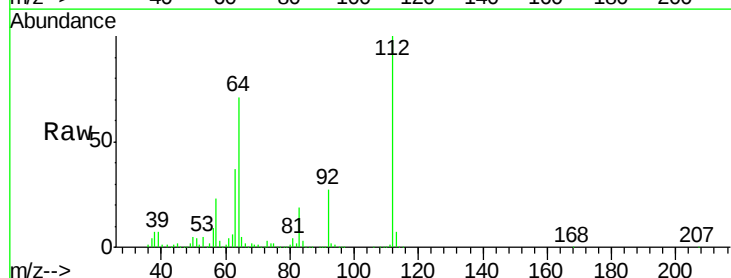
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



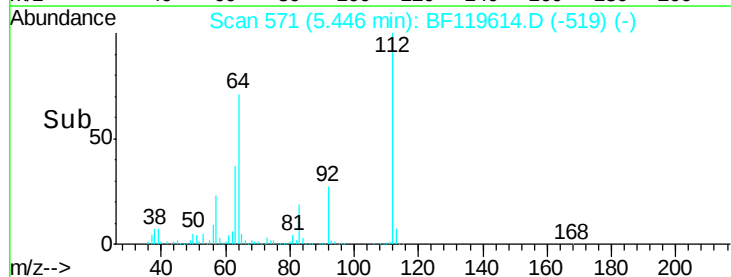
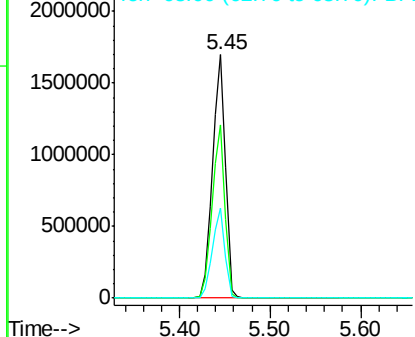
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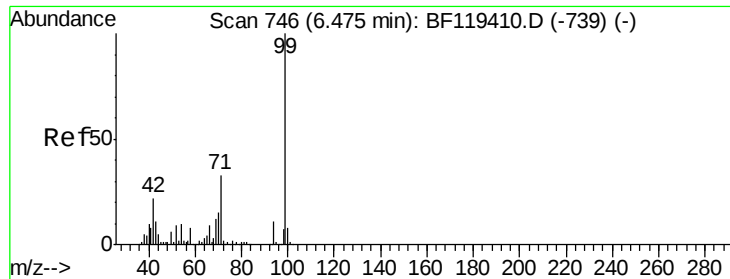
2-Fluorophenol
Concen: 88.08 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Tgt Ion:112 Resp: 1699819
Ion Ratio Lower Upper
112 100
64 71.1 56.7 85.1
63 37.0 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.12 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

Instrument :

BNA_F

ClientSampleId :

RO-350

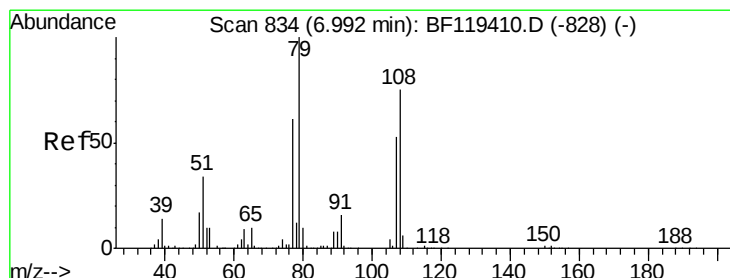
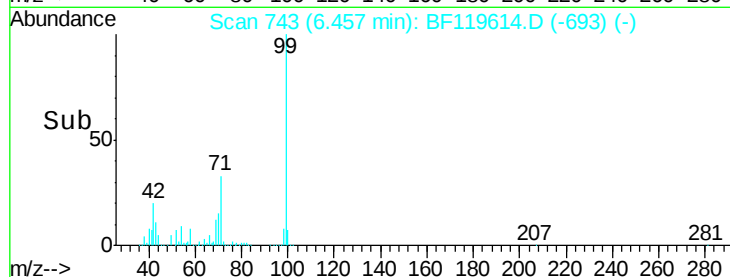
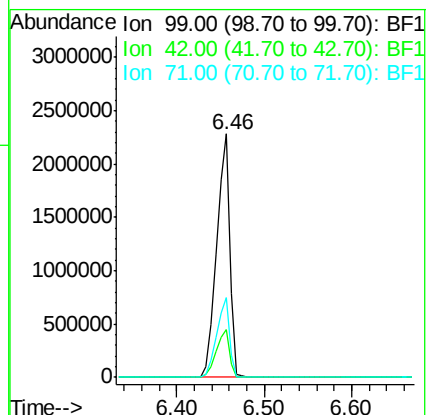
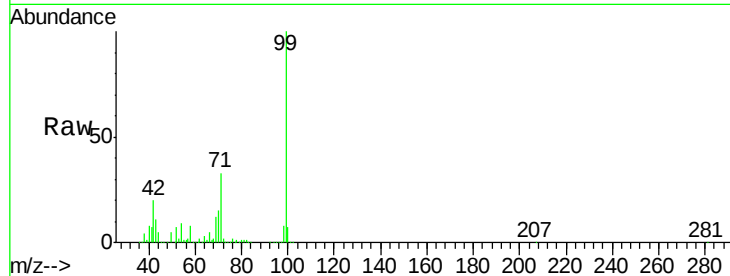
Tgt Ion: 99 Resp: 2394145

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

71 32.5 26.4 39.6



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

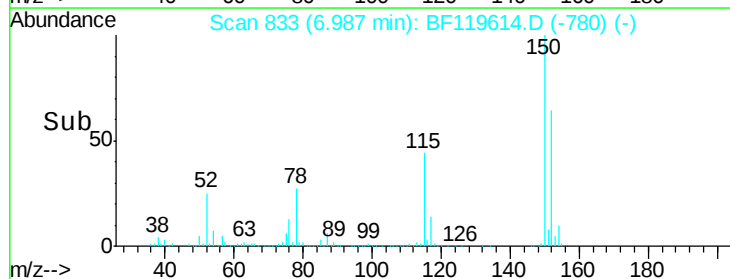
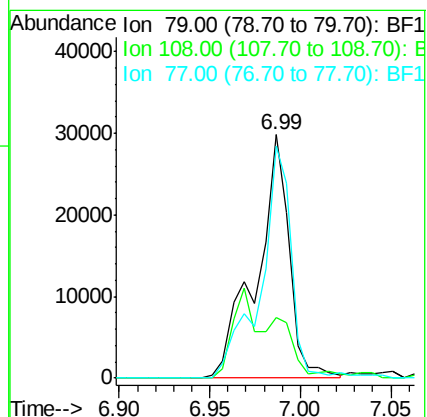
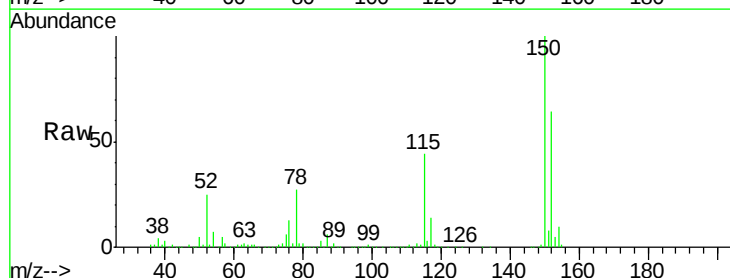
Tgt Ion: 79 Resp: 37852

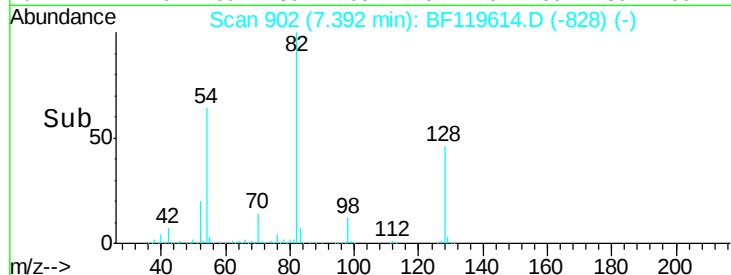
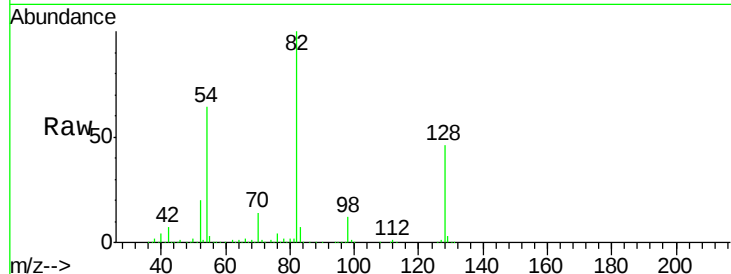
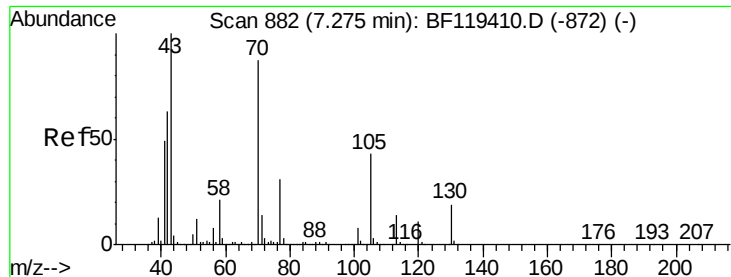
Ion Ratio Lower Upper

79 100

108 25.0 60.6 90.8#

77 95.1 50.2 75.2#

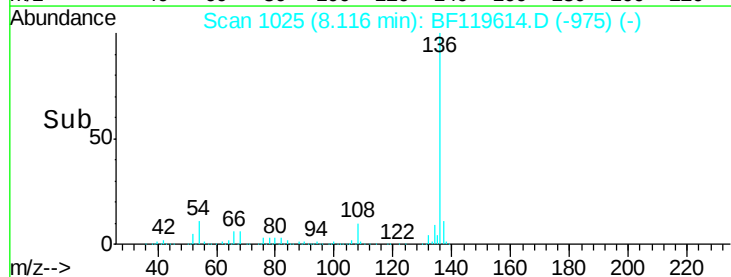
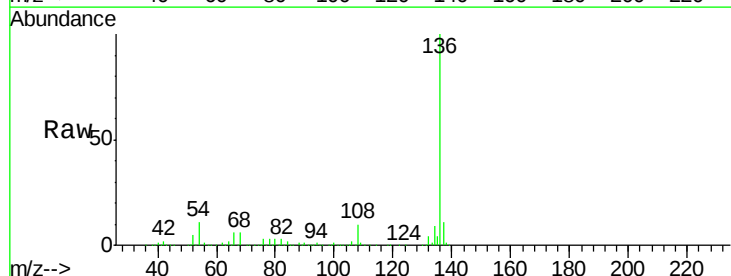
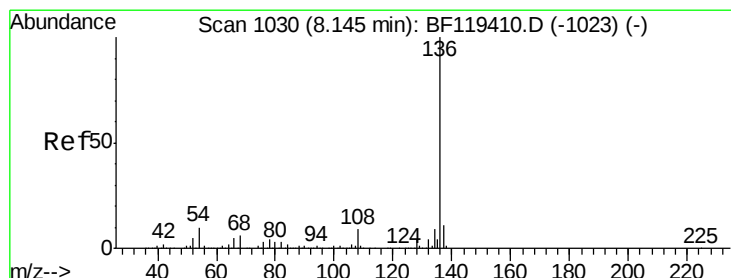
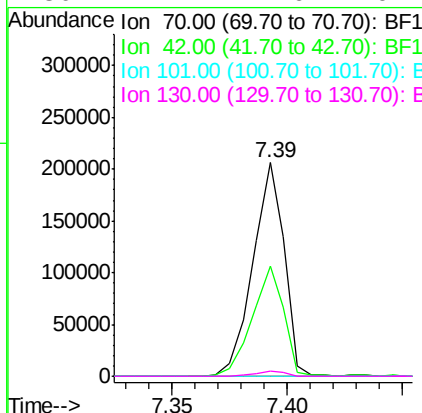




#19
n-Nitroso-di-n-propylamine
Concen: 13.17 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.14 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

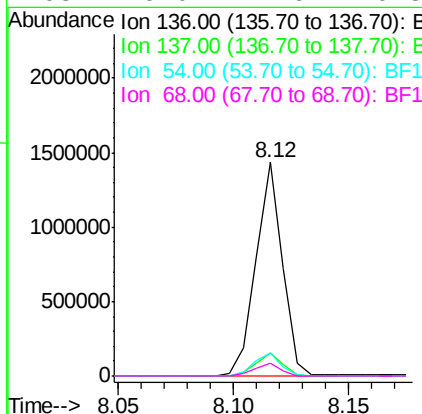
Instrument :
BNA_F
ClientSampleId :
RO-350

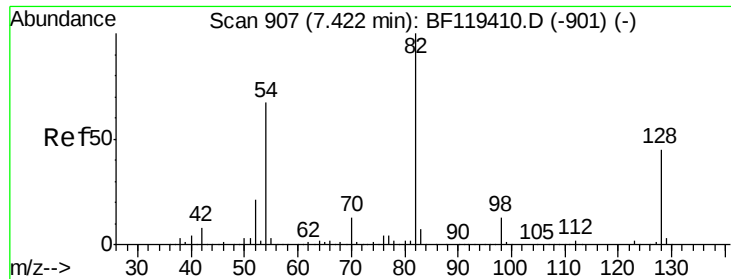
Tgt Ion: 70 Resp: 195670
Ion Ratio Lower Upper
70 100
42 51.5 54.5 81.7#
101 0.0 7.6 11.4#
130 2.1 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Tgt Ion: 136 Resp: 1156974
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 10.7 9.1 13.7
68 6.0 4.6 6.8

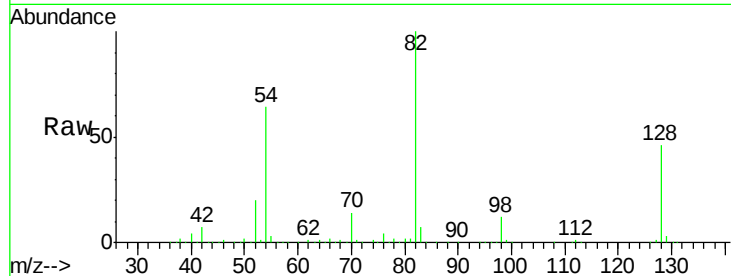




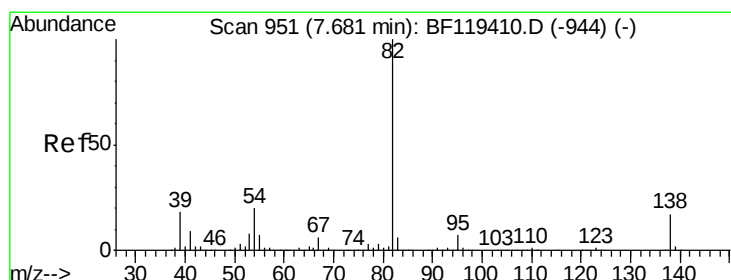
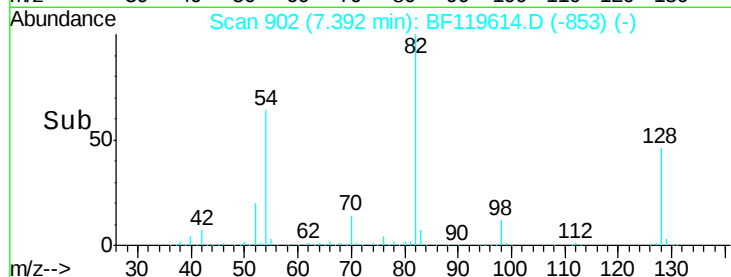
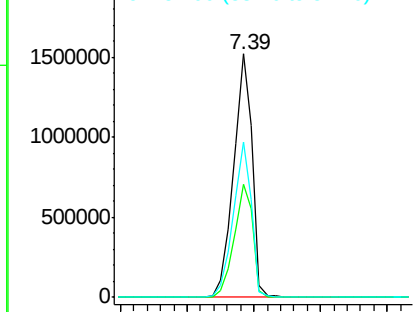
#23
 Nitrobenzene-d5
 Concen: 69.90 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Instrument :
 BNA_F
 ClientSampleId :
 RO-350

Tgt Ion: 82 Resp: 1488113
 Ion Ratio Lower Upper
 82 100
 128 46.3 36.3 54.5
 54 63.8 50.6 75.8

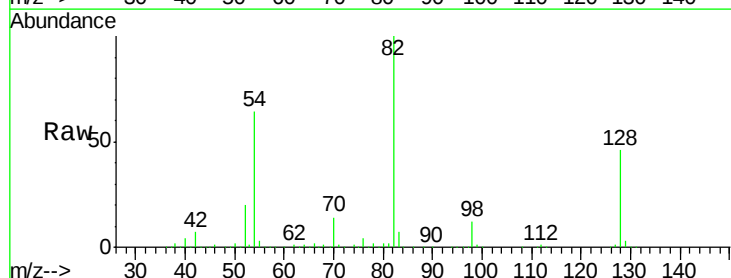


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

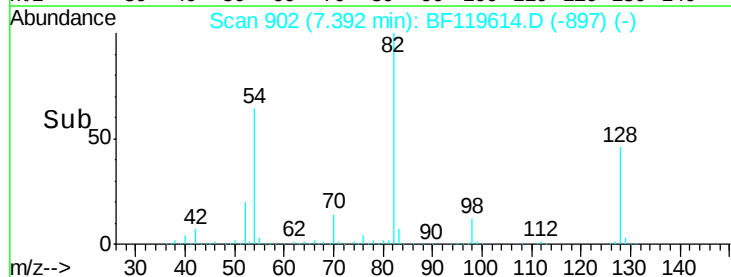
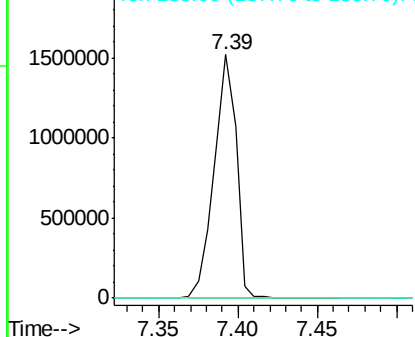


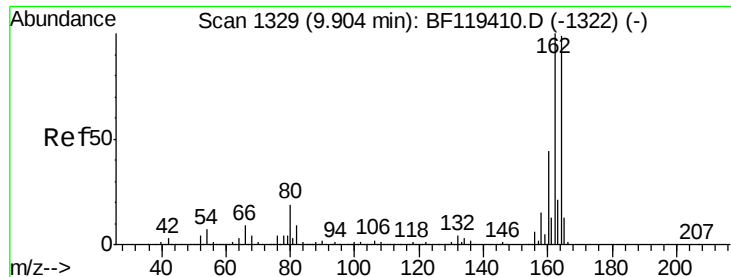
#25
 Isophorone
 Concen: 34.18 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.27 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Tgt Ion: 82 Resp: 1475880
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.6#
 138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

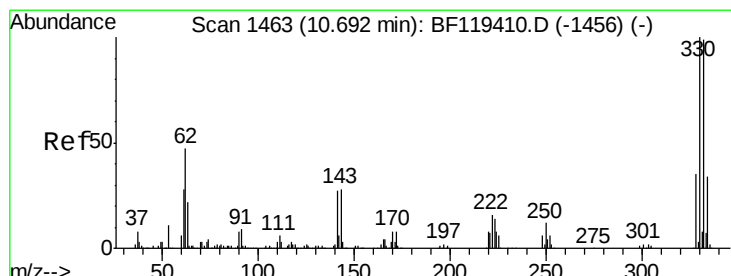
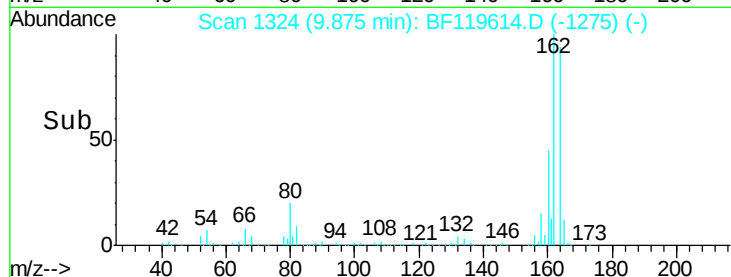
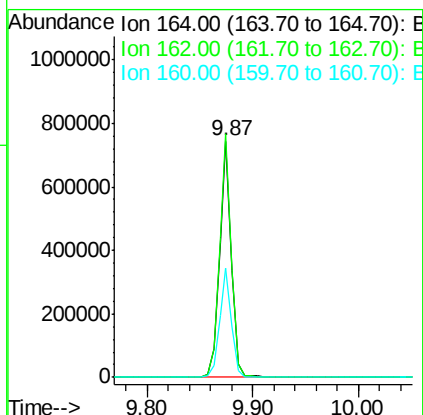
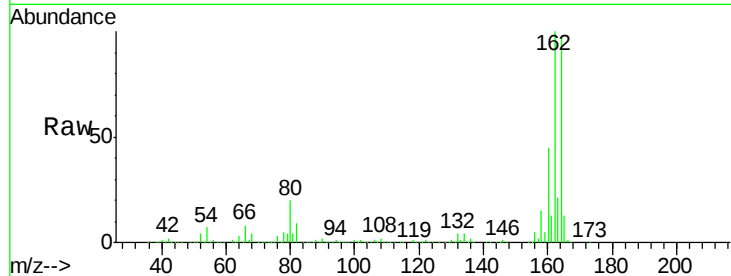




#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

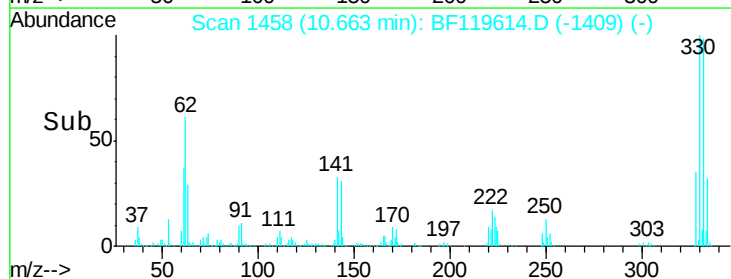
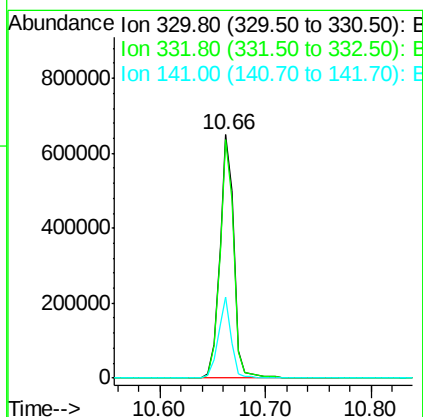
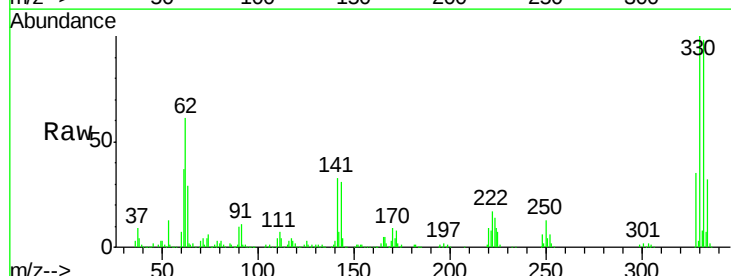
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 ClientSampleId :
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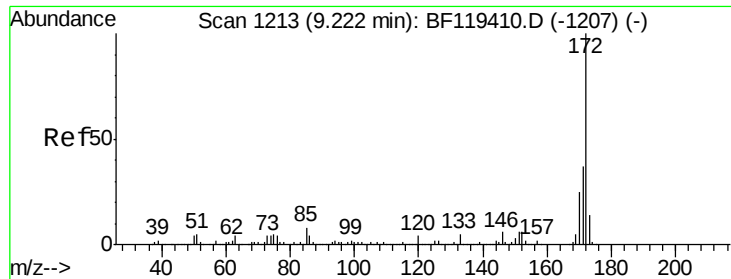
Tgt Ion:164 Resp: 590553
 Ion Ratio Lower Upper
 164 100
 162 103.1 80.6 121.0
 160 46.2 35.7 53.5



#42
 2,4,6-Tribromophenol
 Concen: 100.66 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Tgt Ion:330 Resp: 613253
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.7 113.5
 141 31.5 25.4 38.0

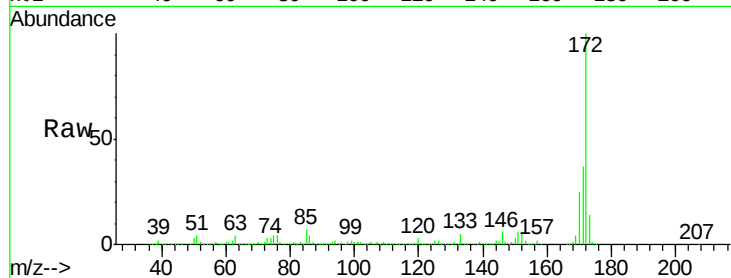




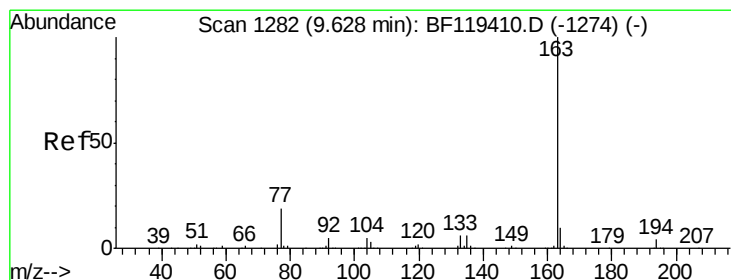
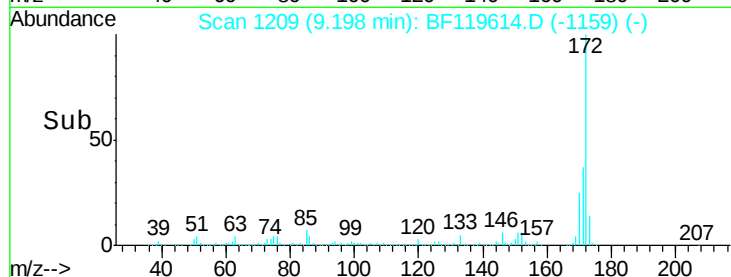
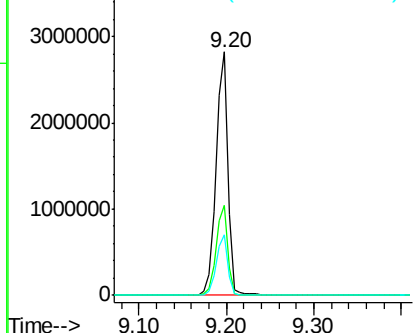
#45
 2-Fluorobiphenyl
 Concen: 67.04 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Instrument :
 BNA_F
 ClientSampleId :
 RO-350

Tgt Ion:172 Resp: 2672538
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.6 44.4
 170 24.8 20.2 30.2

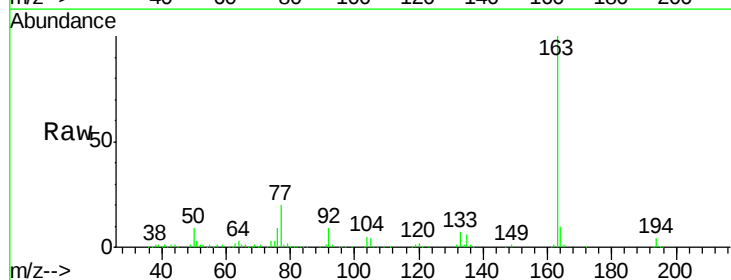


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

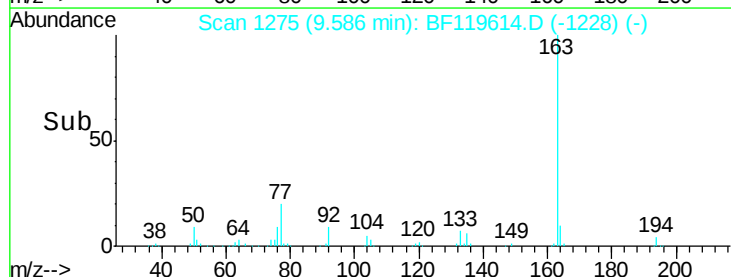
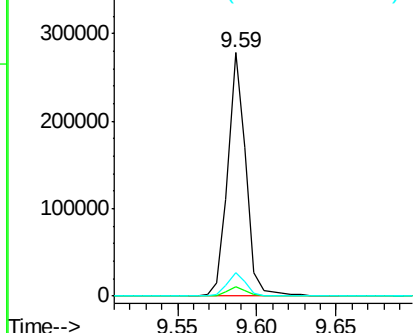


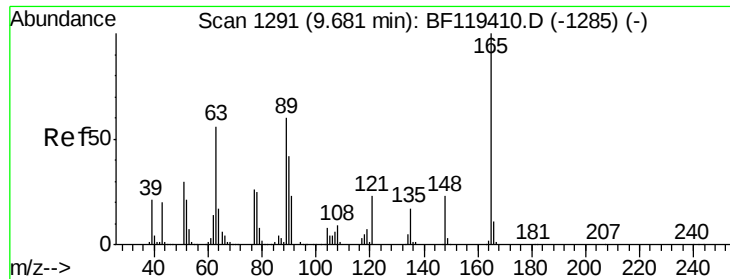
#50
 Dimethylphthalate
 Concen: 5.25 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Tgt Ion:163 Resp: 220261
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.1 4.7
 164 9.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

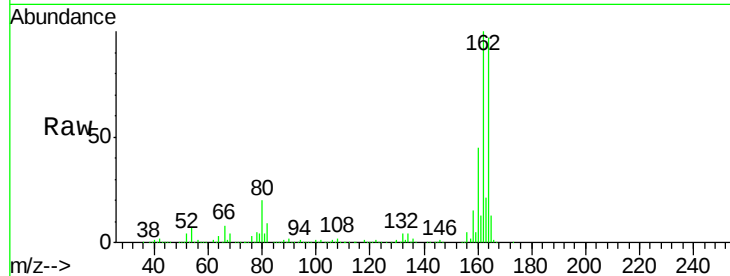




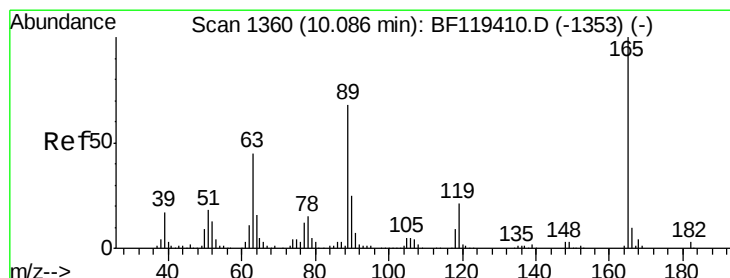
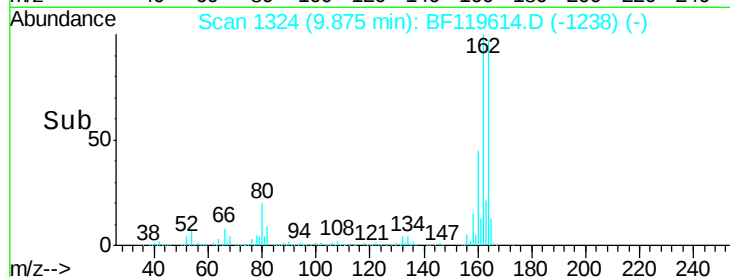
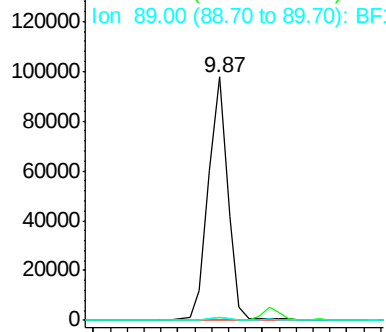
#51
 2,6-Dinitrotoluene
 Concen: 8.74 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Instrument :
 BNA_F
 ClientSampleId :
 RO-350

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	45.0	67.4#
89	1.1	41.5	62.3#

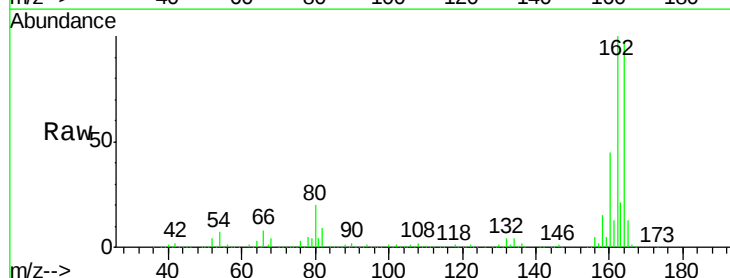


Abundance Ion 165.00 (164.70 to 165.70): E

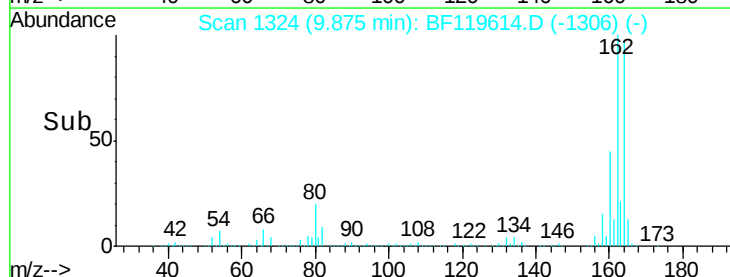
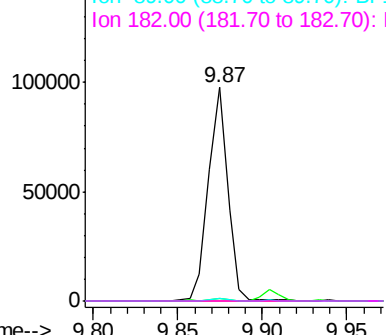


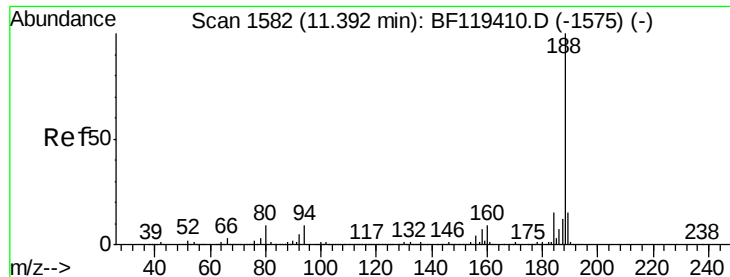
#57
 2,4-Dinitrotoluene
 Concen: 6.94 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.19 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.6	64.0#
89	1.1	61.0	91.4#
182	0.0	2.2	3.2#



Abundance Ion 165.00 (164.70 to 165.70): E

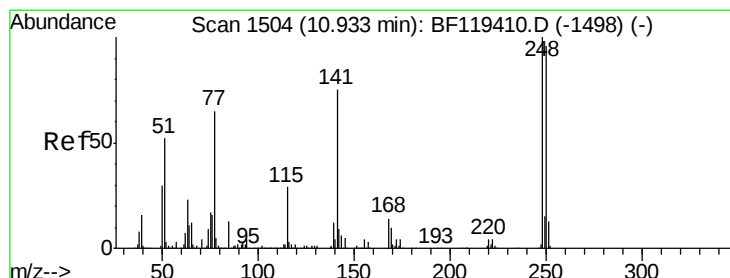
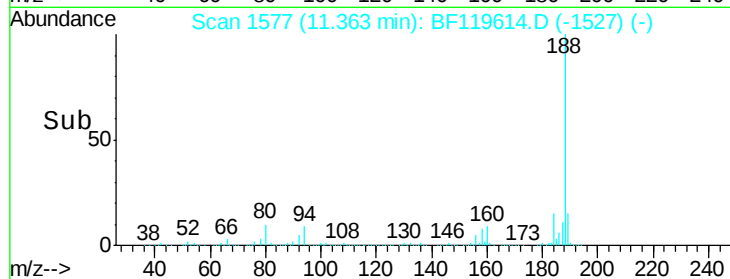
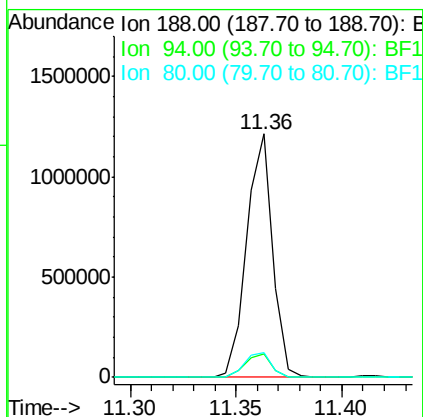
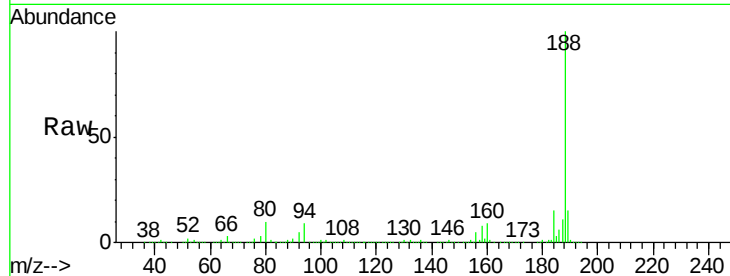




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

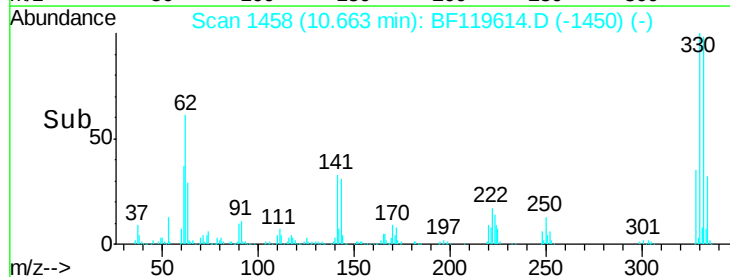
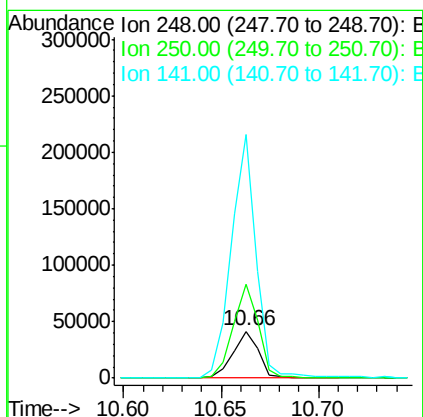
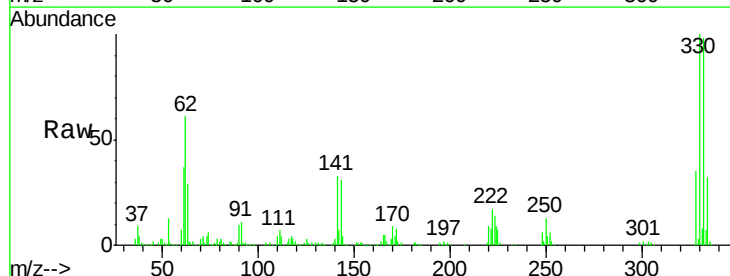
Instrument :
BNA_F
ClientSampleId :
RO-350

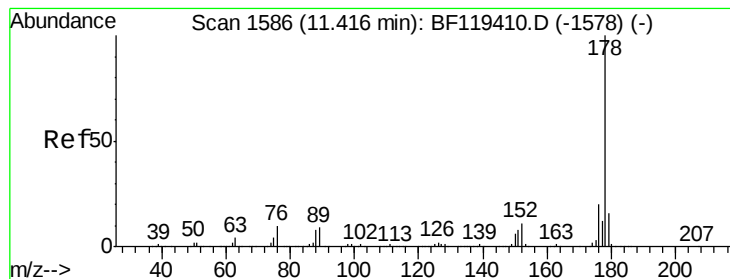
Tgt Ion:188 Resp: 1037424
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 10.1 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 3.18 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Tgt Ion:248 Resp: 37610
Ion Ratio Lower Upper
248 100
250 201.5 77.3 115.9#
141 523.7 58.6 87.8#





#71

Phenanthrene

Concen: 4.52 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

Instrument :

BNA_F

ClientSampleId :

RO-350

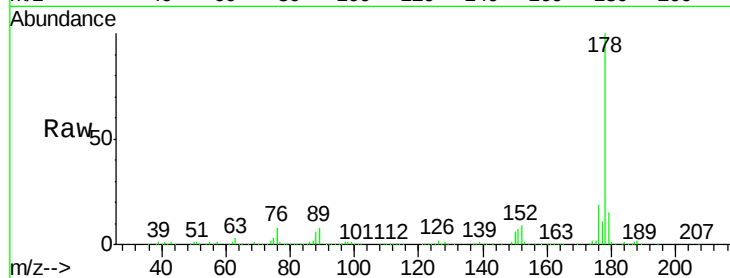
Tgt Ion:178 Resp: 242927

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

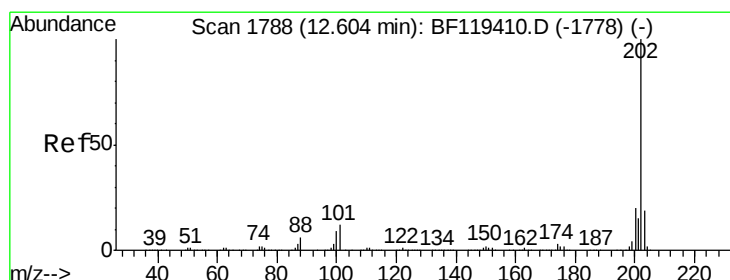
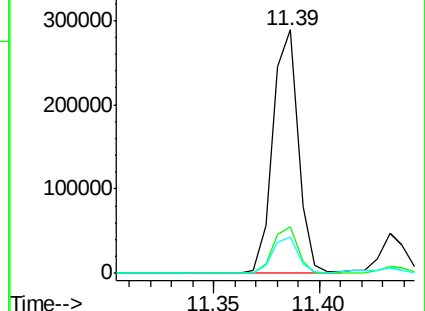
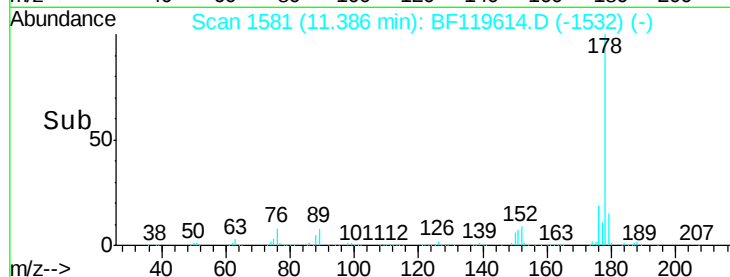
179 14.7 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 7.08 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

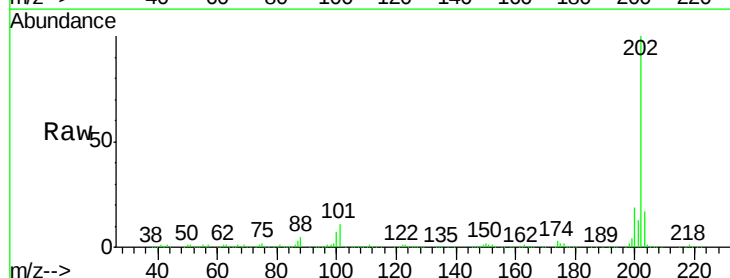
Tgt Ion:202 Resp: 412036

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.2

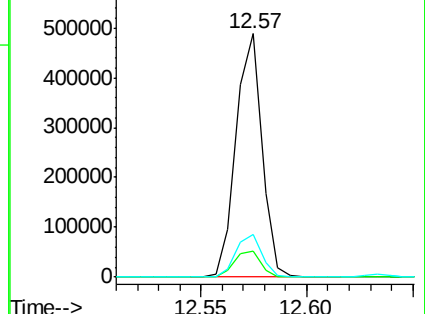
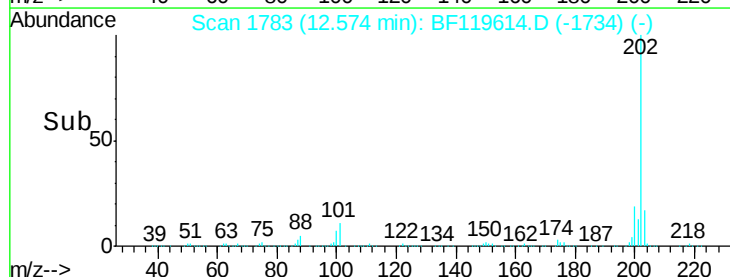
203 17.3 0.0 38.8

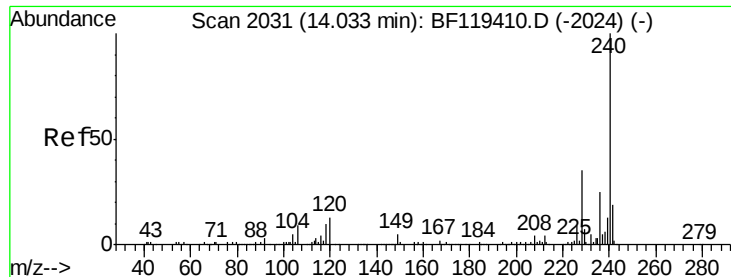


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

Instrument :

BNA_F

ClientSampleId :

RO-350

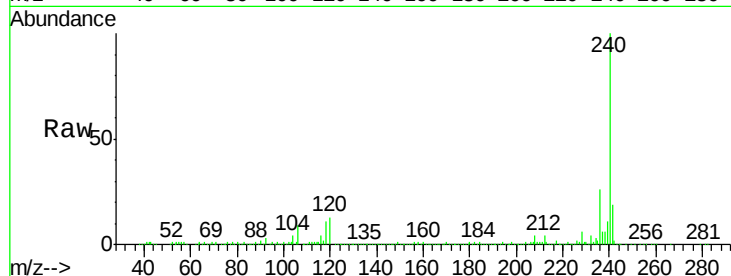
Tgt Ion:240 Resp: 604558

Ion Ratio Lower Upper

240 100

120 13.2 10.6 15.8

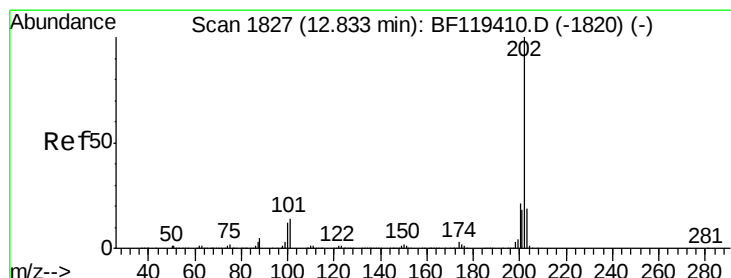
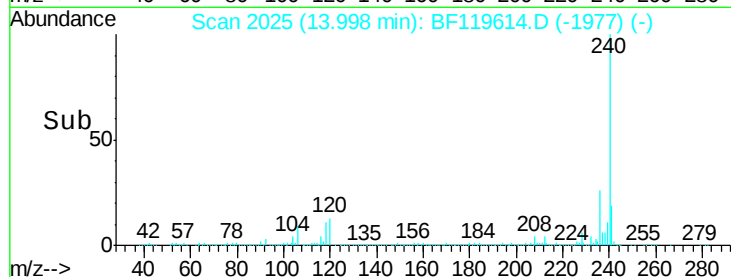
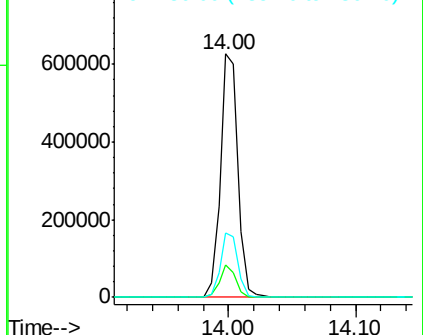
236 26.2 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 6.21 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

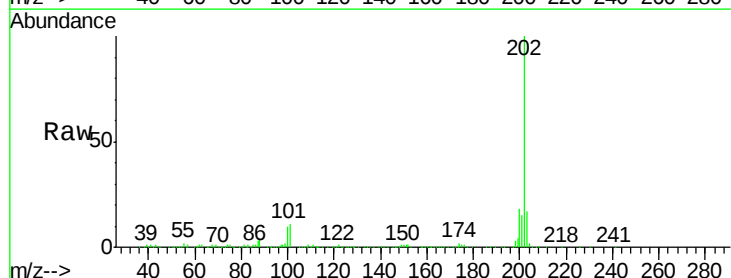
Tgt Ion:202 Resp: 307892

Ion Ratio Lower Upper

202 100

200 18.4 16.8 25.2

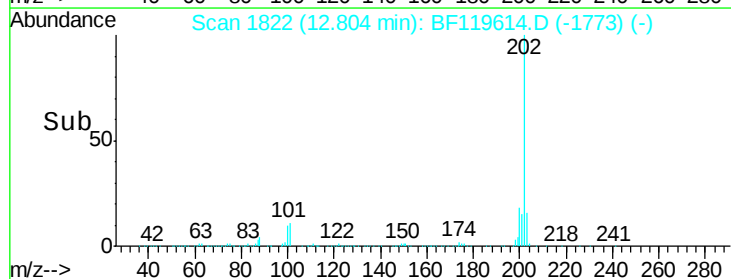
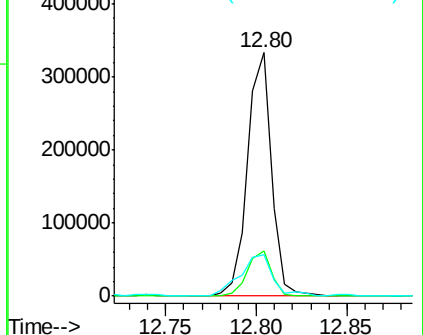
203 16.9 15.1 22.7

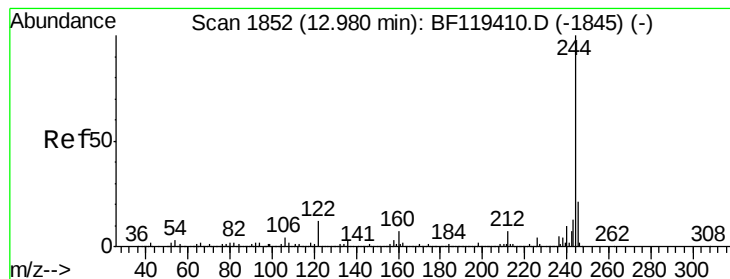


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.08 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

Instrument :

BNA_F

ClientSampleId :

RO-350

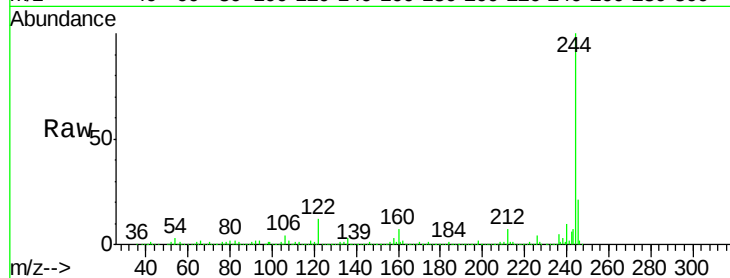
Tgt Ion:244 Resp: 2440284

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

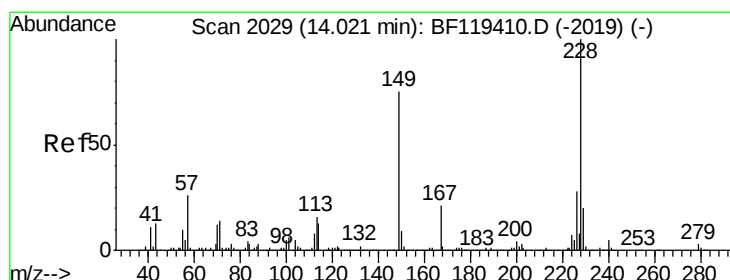
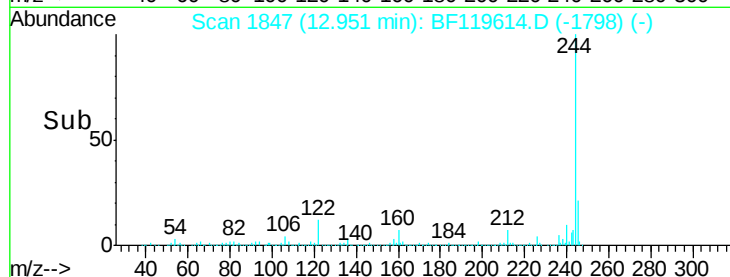
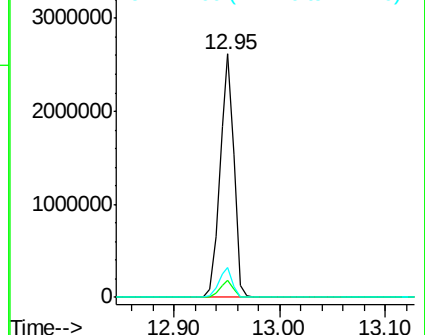
122 12.3 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.25 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

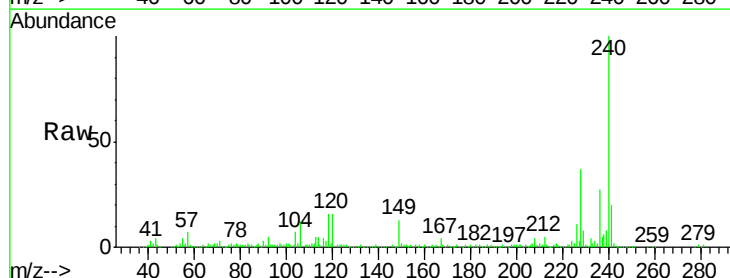
Tgt Ion:228 Resp: 88637

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

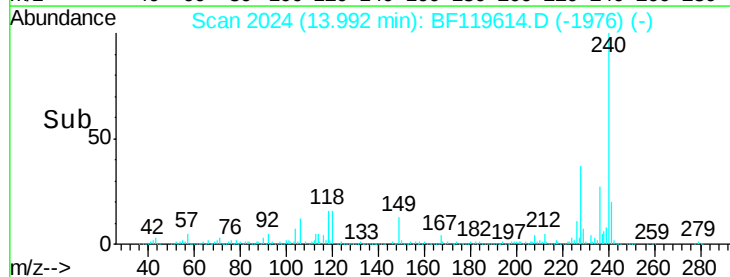
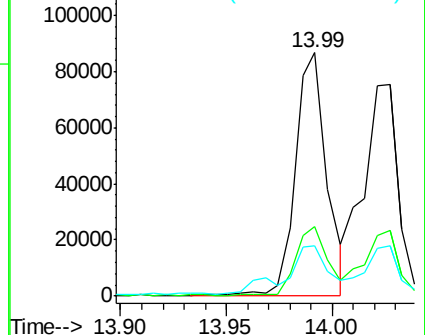
229 20.4 16.2 24.4

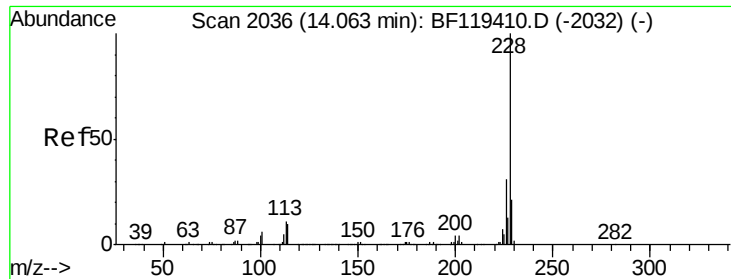


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

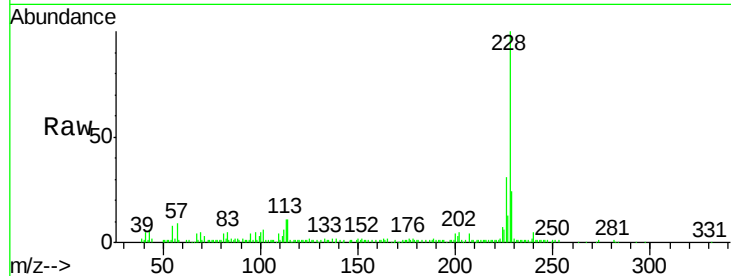




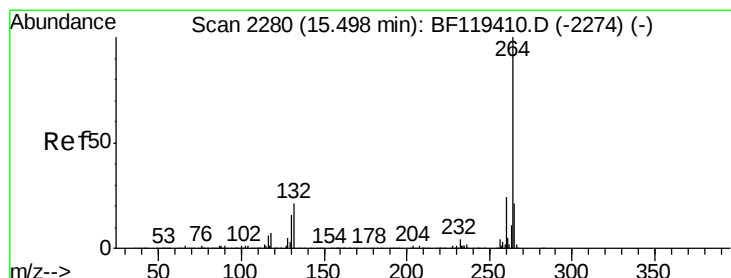
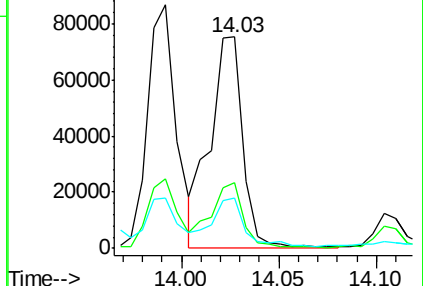
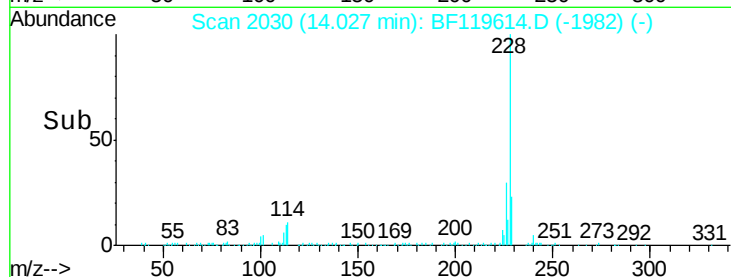
#83
Chrysene
Concen: 2.15 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Instrument :
BNA_F
ClientSampleId :
RO-350

Tgt Ion: 228 Resp: 87304
Ion Ratio Lower Upper
228 100
226 30.9 25.4 38.0
229 24.0 16.6 24.8

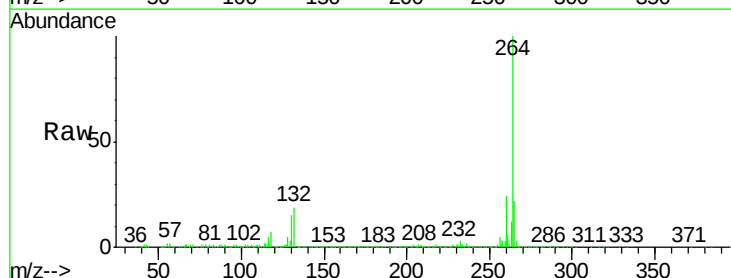


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

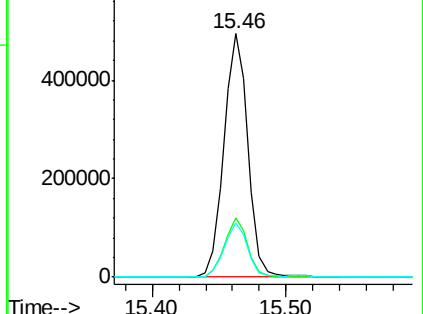
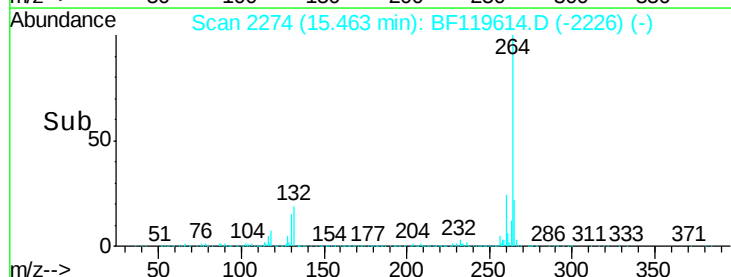


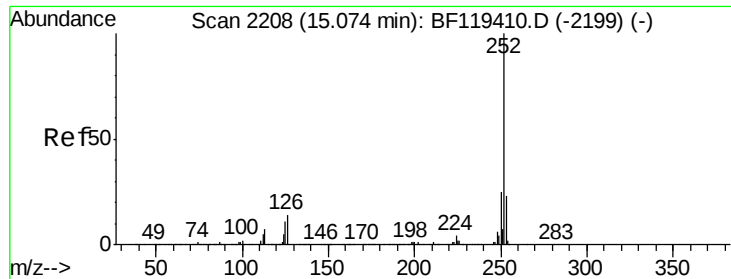
#87
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Tgt Ion: 264 Resp: 626151
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.1 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

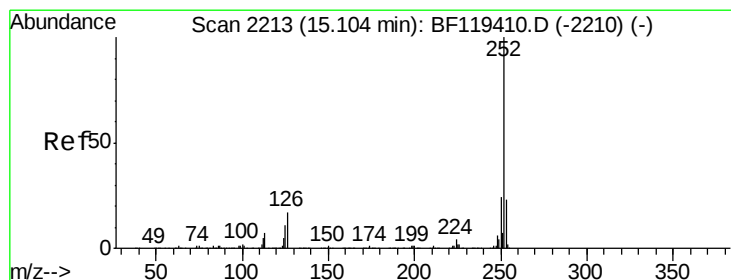
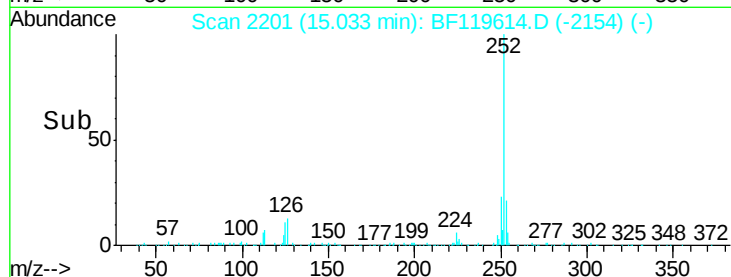
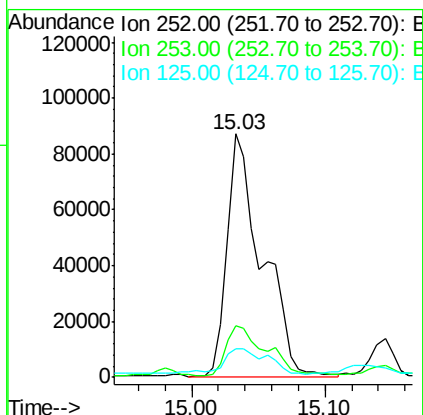
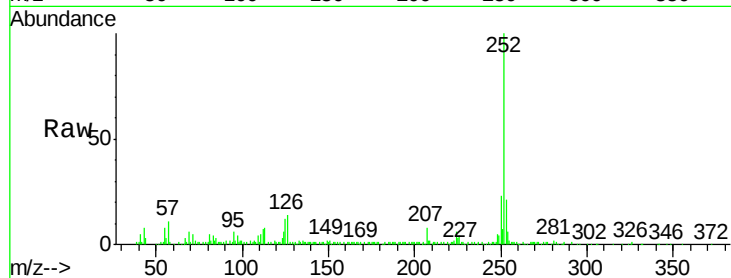




#88
Benzo(b)fluoranthene
Concen: 3.82 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Instrument :
BNA_F
ClientSampleId :
RO-350

Tgt Ion:252 Resp: 159677
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 11.7 7.9 11.9



#89
Benzo(k)fluoranthene
Concen: 4.01 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.05 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Tgt Ion:252 Resp: 159677
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.6
125 11.7 8.4 12.6

