

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 30 00:24:09 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

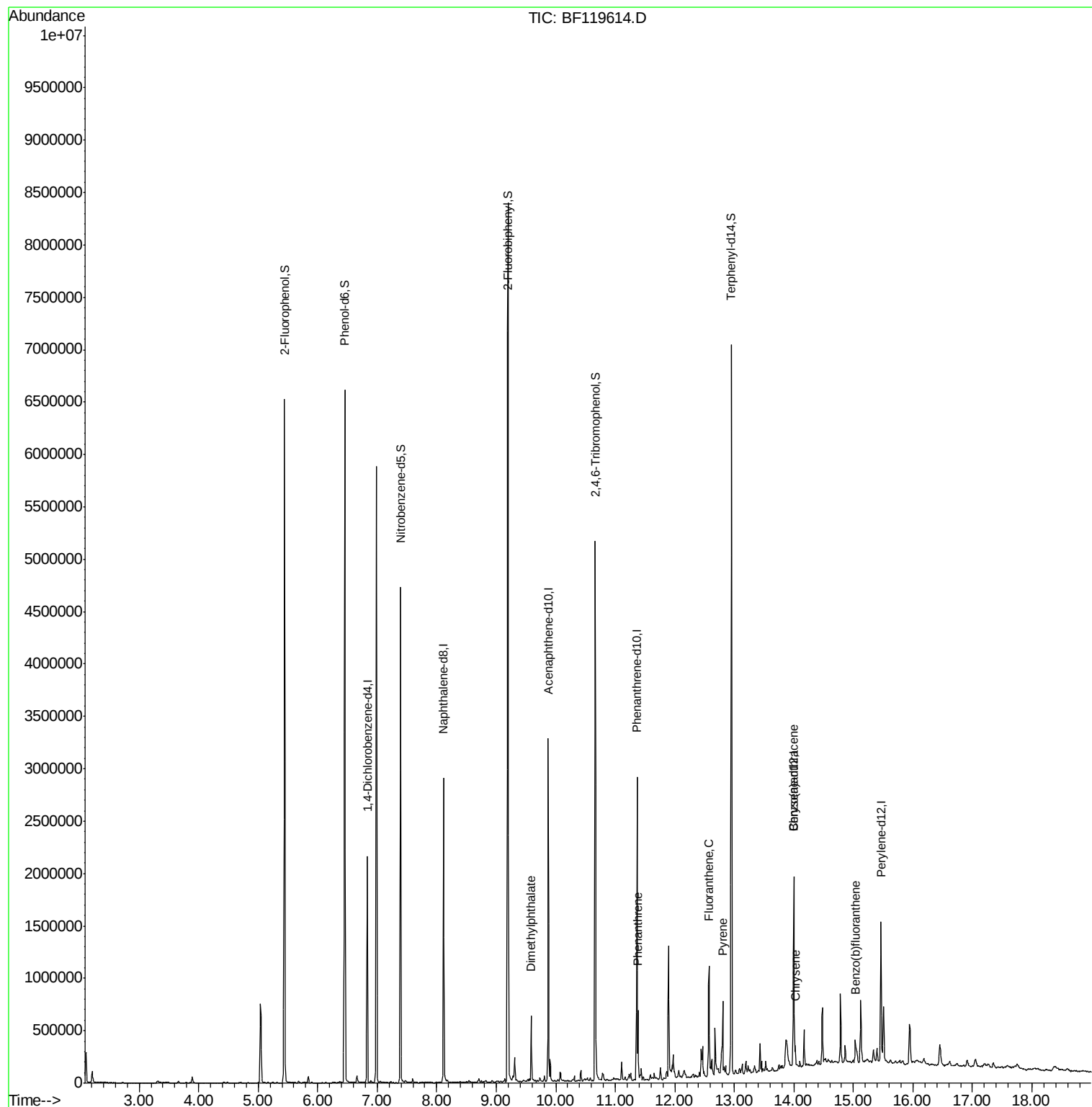
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	307200	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1156974	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	590553	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1037424	20.00	ng	0.00
76) Chrysene-d12	14.00	240	604558	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
50) Dimethylphthalate	9.59	163	220261	5.251	ng	99
71) Phenanthrene	11.39	178	242927	4.516	ng	97
75) Fluoranthene	12.57	202	412036	7.078	ng	96
78) Pyrene	12.80	202	307892	6.206	ng	95
81) Benzo(a)anthracene	13.99	228	88637	2.255	ng	99
83) Chrysene	14.03	228	87304	2.152	ng	96
88) Benzo(b)fluoranthene	15.03	252	117204m	2.802	ng	

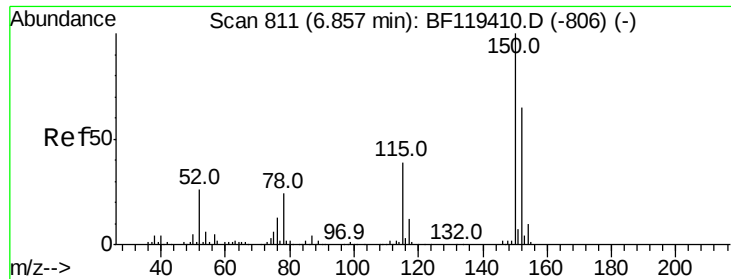
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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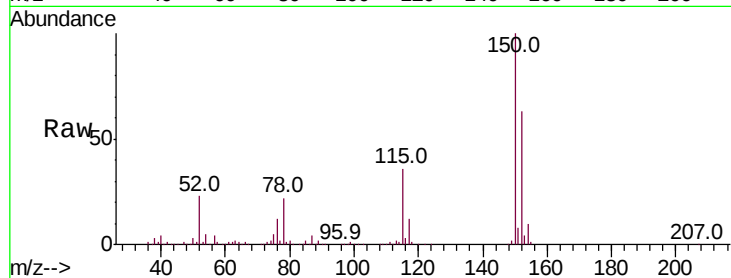


#1

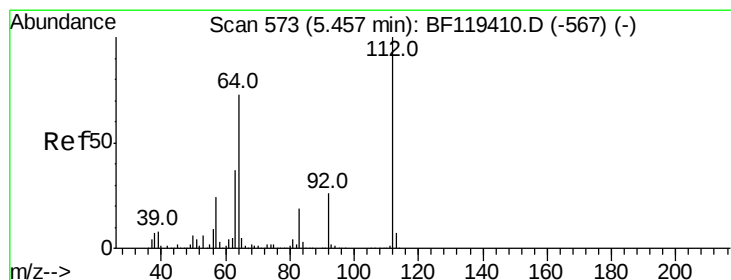
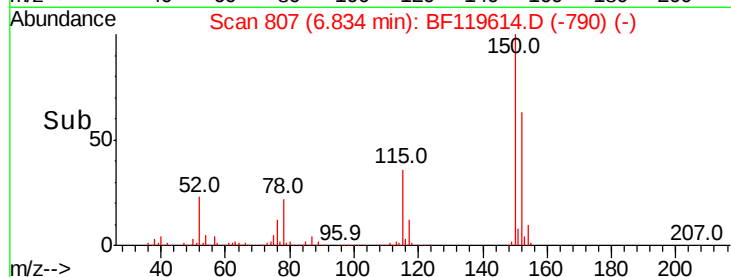
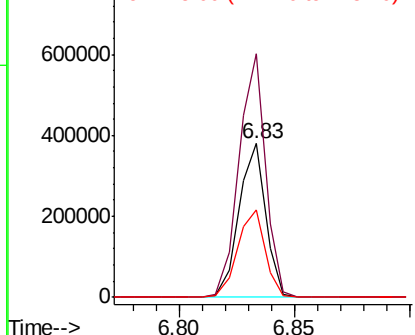
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Instrument :
 BNA_F
 ClientSampleId :
 RO-350

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



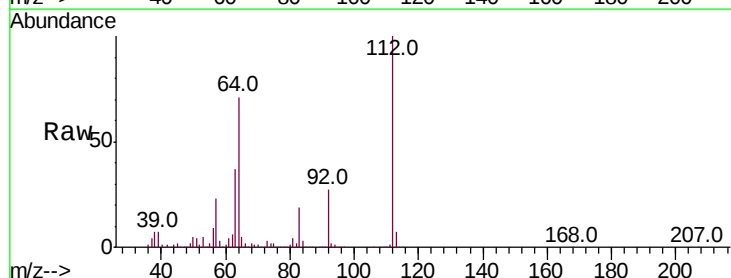
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



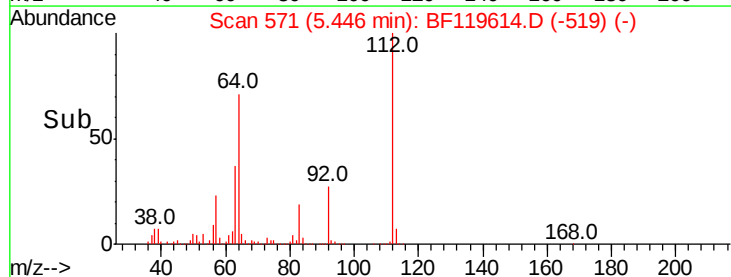
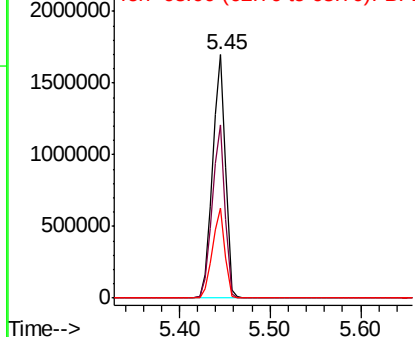
#5

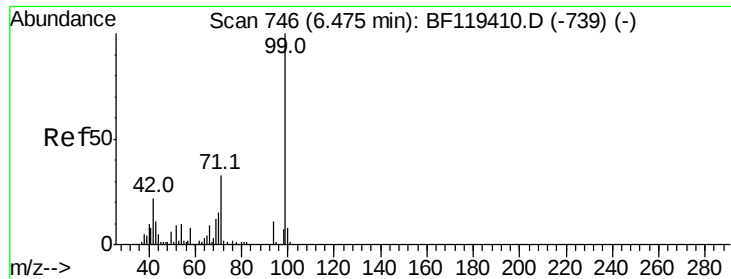
2-Fluorophenol
 Concen: 88.084 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

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: 97.120 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

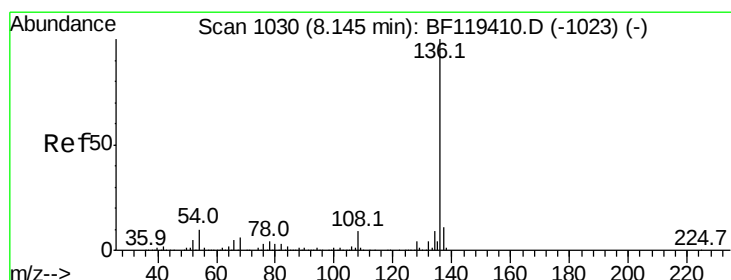
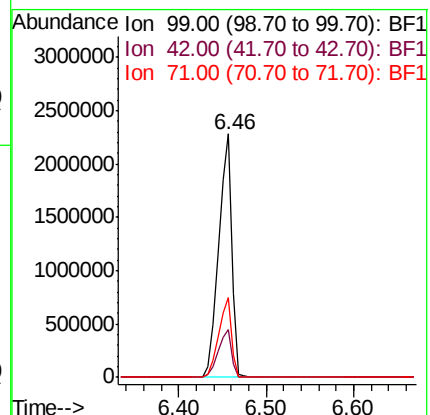
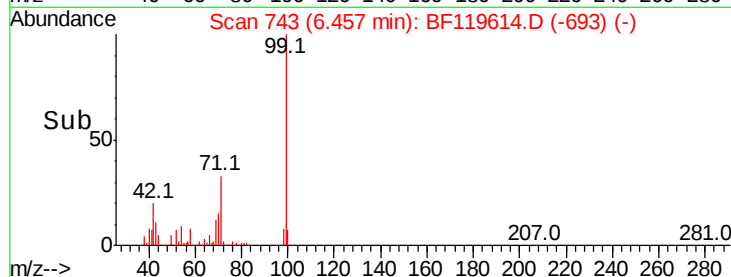
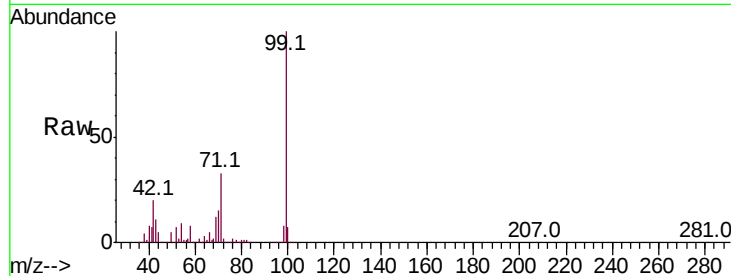
Tot Ion: 99 Resp: 2394145

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

71 32.5 26.4 39.6



#21

Naphthalene-d8

Concen: 20.000 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

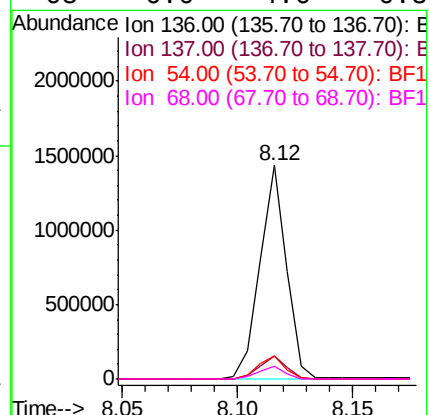
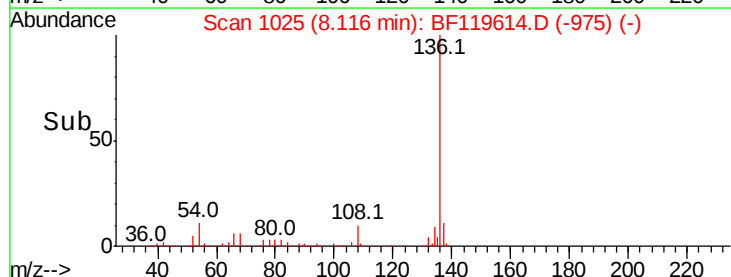
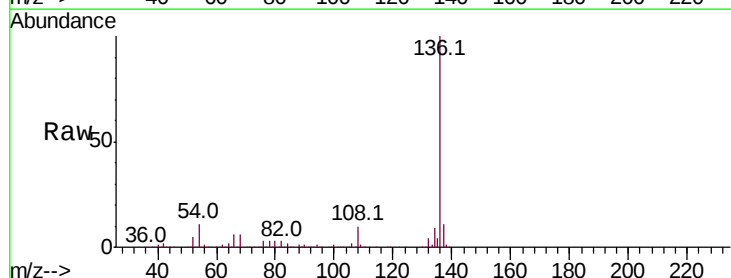
Ion Ratio Lower Upper

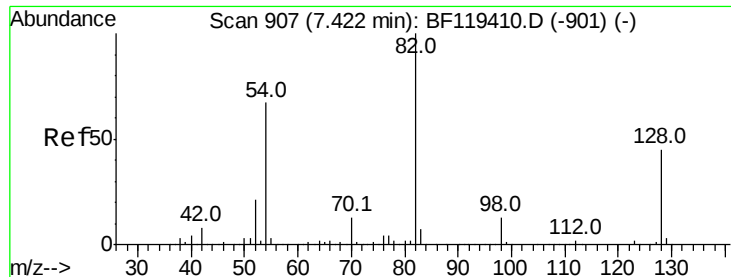
136 100

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: 69.903 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

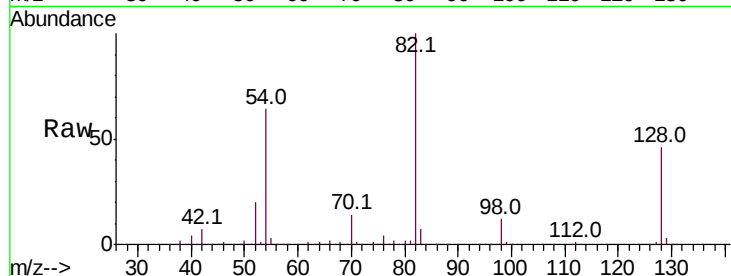
Tot Ion: 82 Resp: 1488113

Ion Ratio Lower Upper

82 100

128 46.3 36.3 54.5

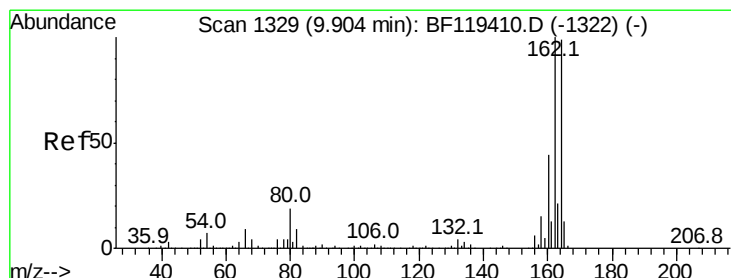
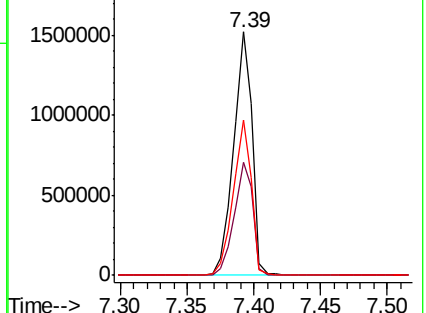
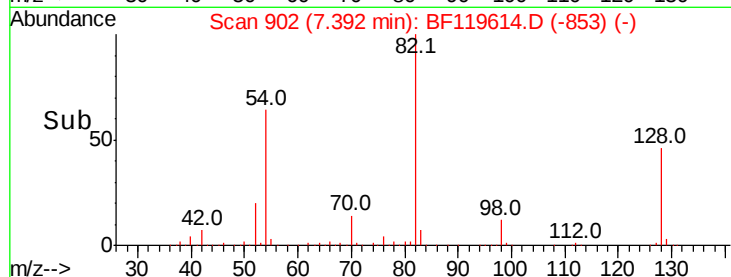
54 63.8 50.6 75.8



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

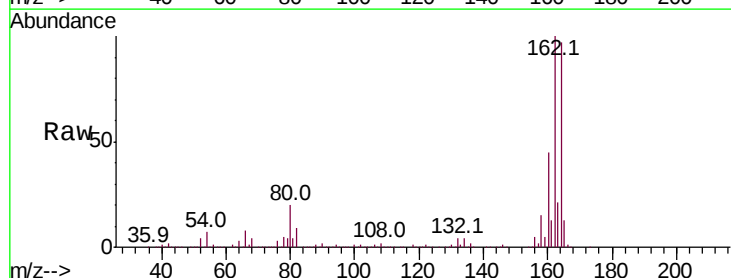
Tgt Ion:164 Resp: 590553

Ion Ratio Lower Upper

164 100

162 103.1 80.6 121.0

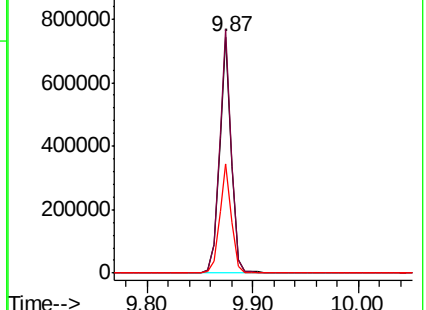
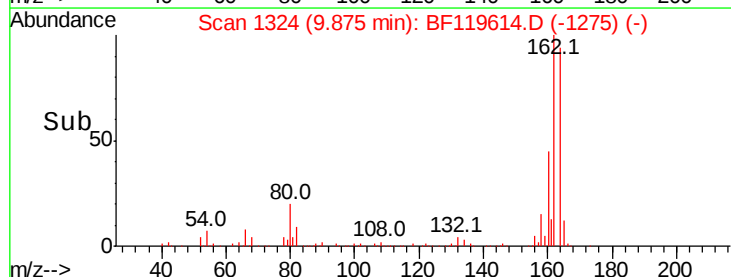
160 46.2 35.7 53.5

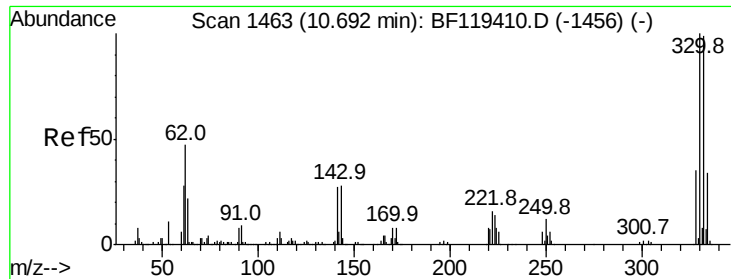


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

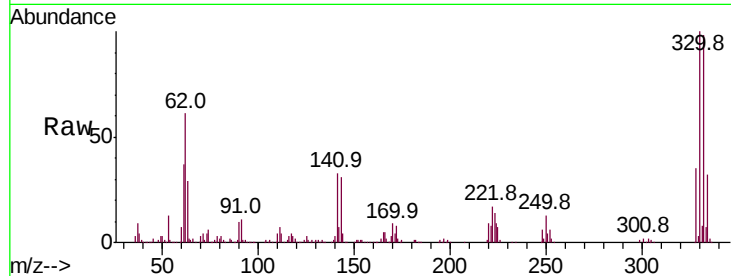




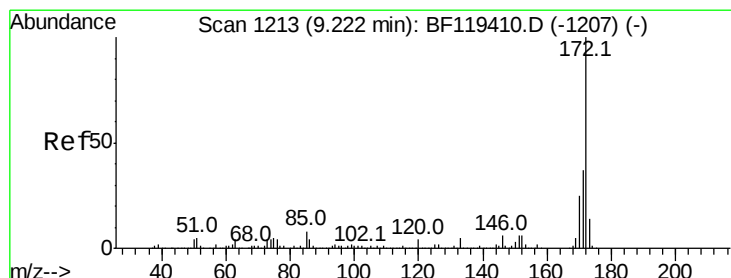
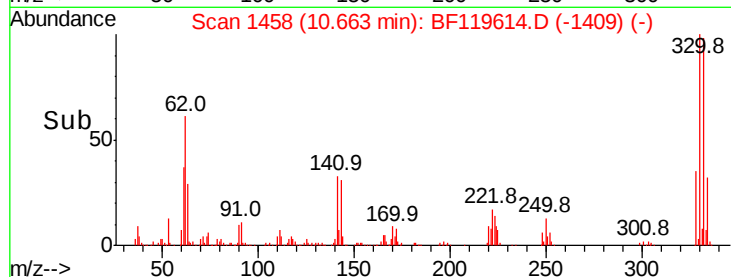
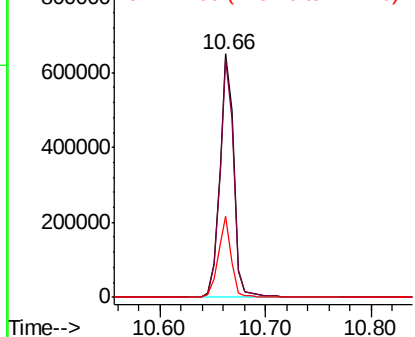
#42
 2,4,6-Tribromophenol
 Concen: 100.657 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Instrument :
 BNA_F
 ClientSampleId :
 RO-350

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

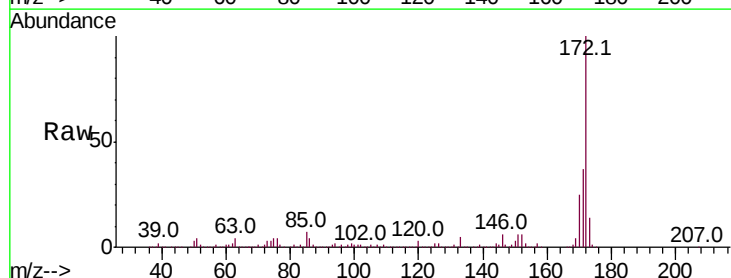


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

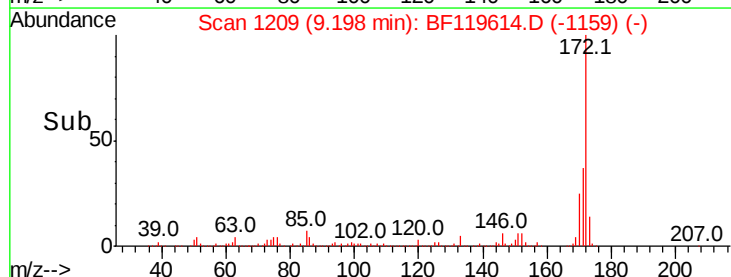
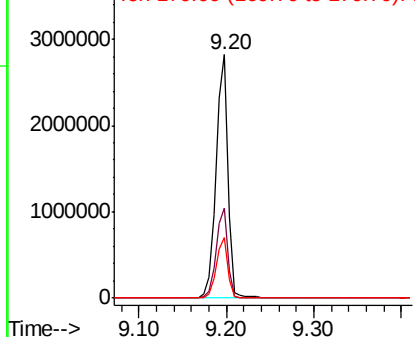


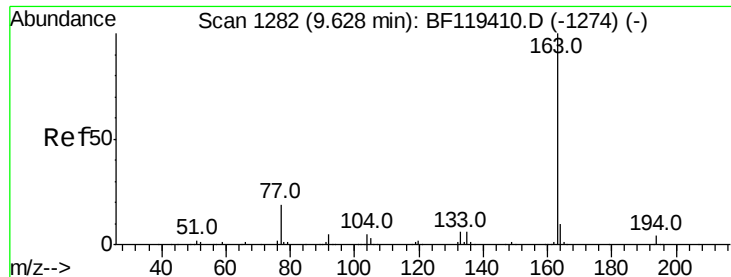
#45
 2-Fluorobiphenyl
 Concen: 67.044 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

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

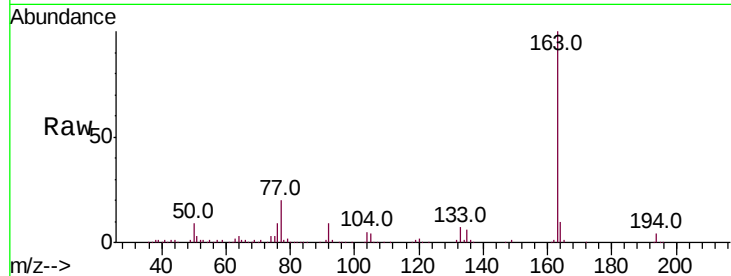




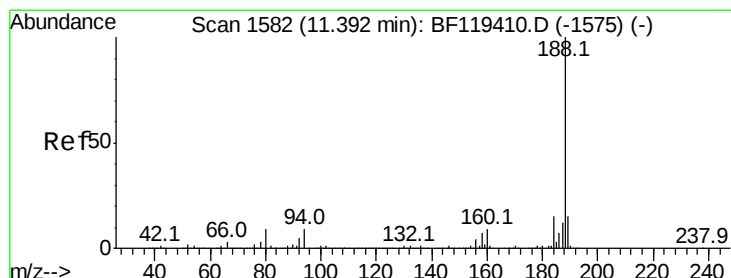
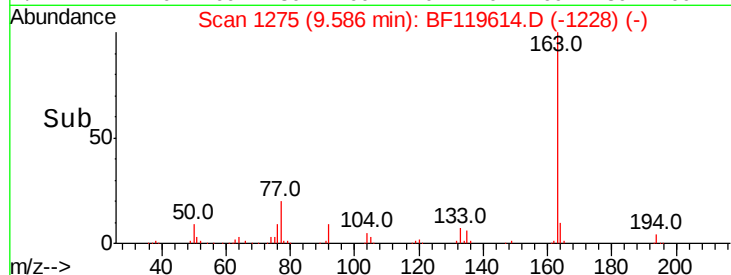
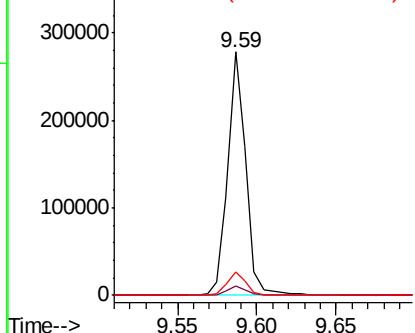
#50
Dimethylphthalate
Concen: 5.251 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Instrument :
BNA_F
ClientSampleId :
RO-350

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

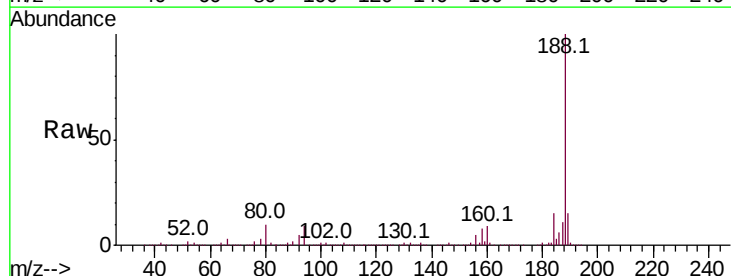


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

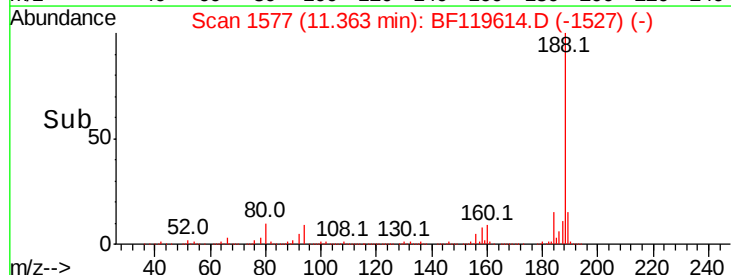
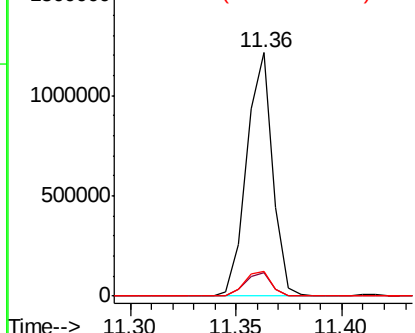


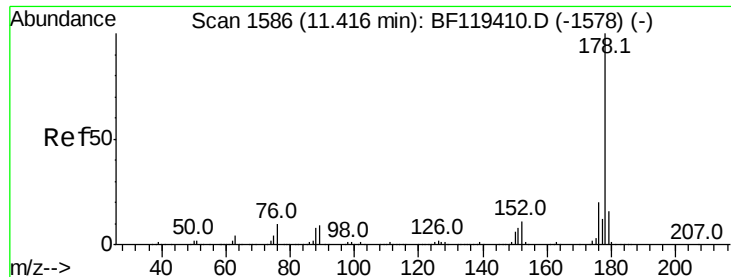
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

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



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

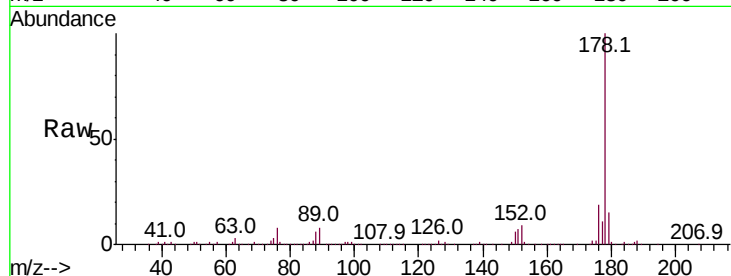




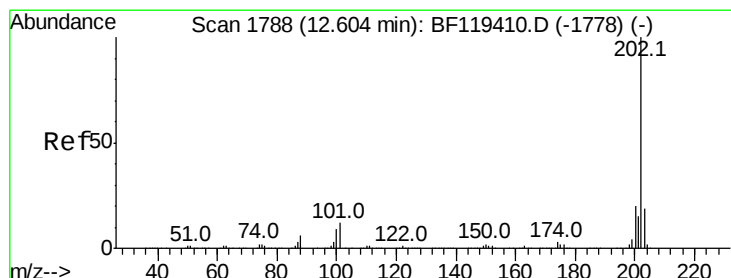
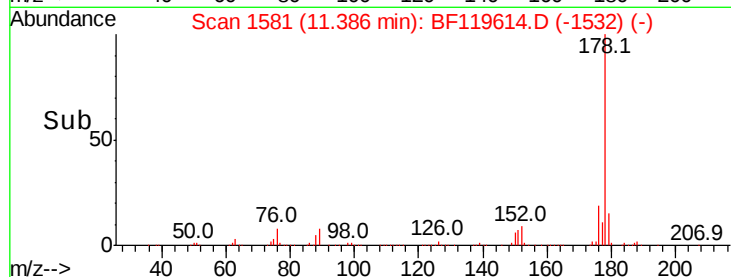
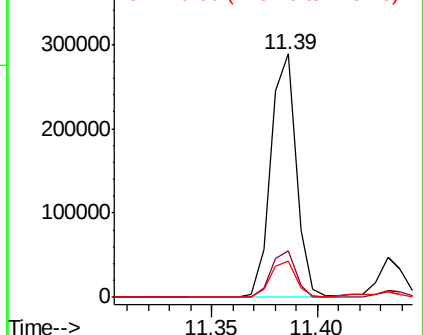
#71
Phenanthrene
Concen: 4.516 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Instrument :
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RO-350

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	14.7	13.2	19.8

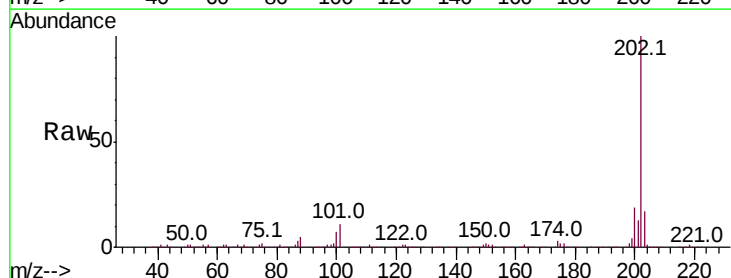


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

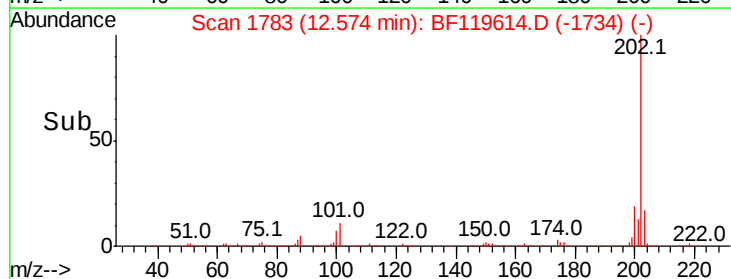
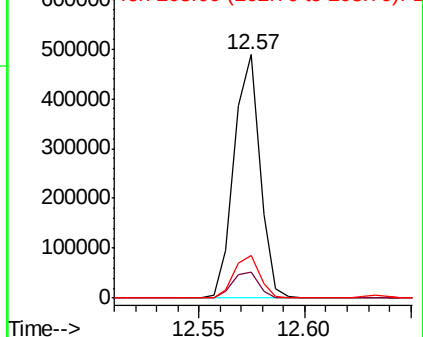


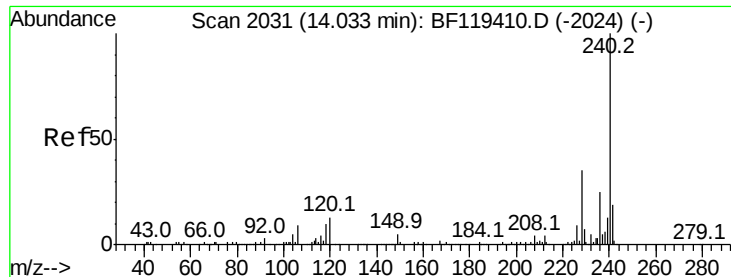
#75
Fluoranthene
Concen: 7.078 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

Tgt Ion	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

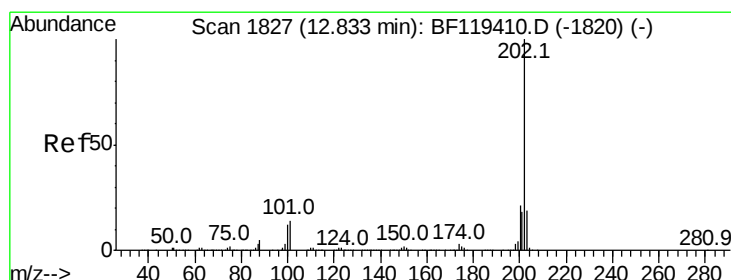
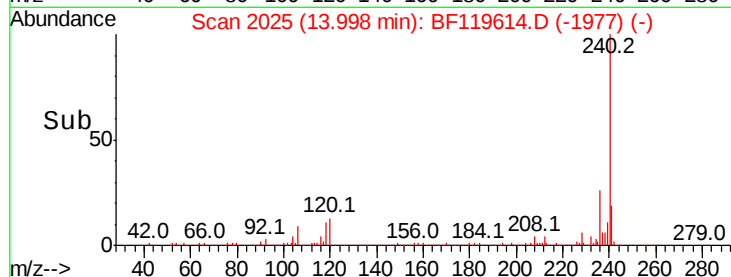
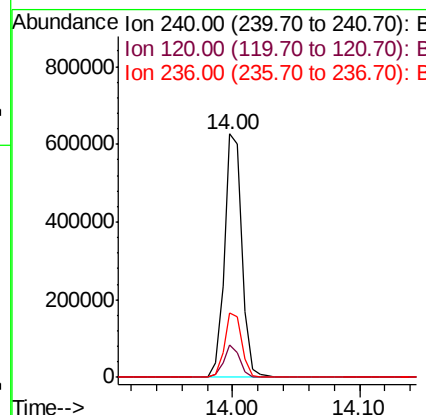
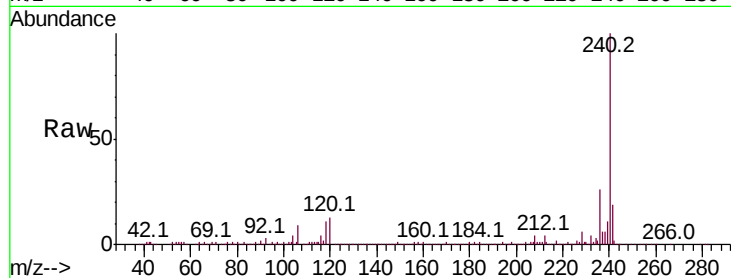




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF119614.D
Acq: 28 Mar 2020 14:03

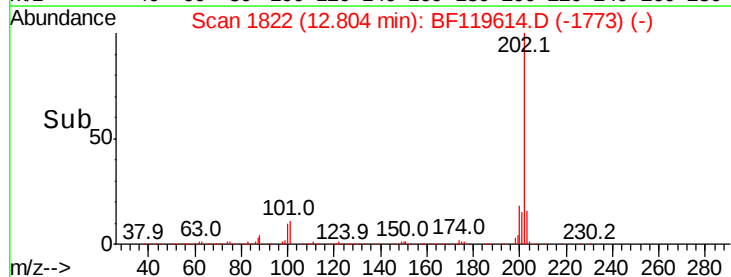
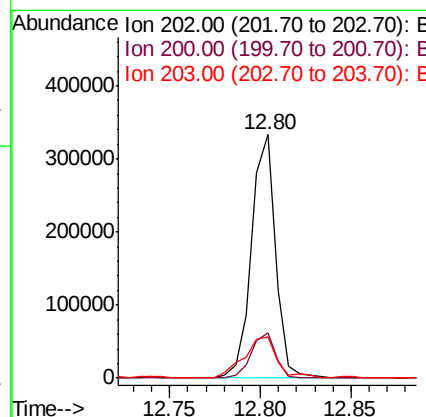
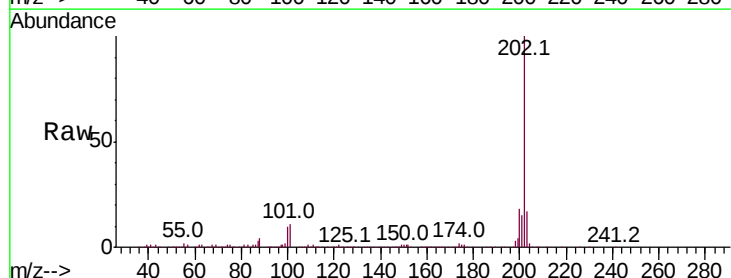
Instrument :
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ClientSampleId :
RO-350

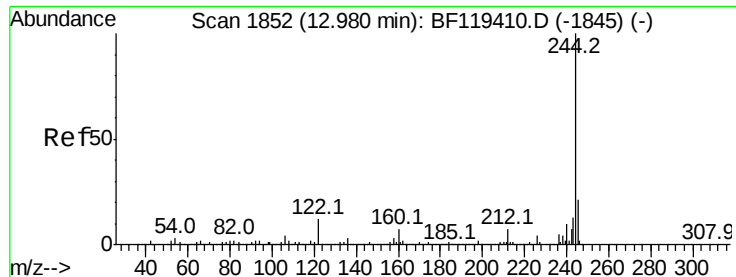
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.6	15.8
236	26.2	20.2	30.2



#78
Pyrene
Concen: 6.206 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	Ratio	Lower	Upper
202	100		
200	18.4	16.8	25.2
203	16.9	15.1	22.7





#79

Terphenyl-d14

Concen: 79.083 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

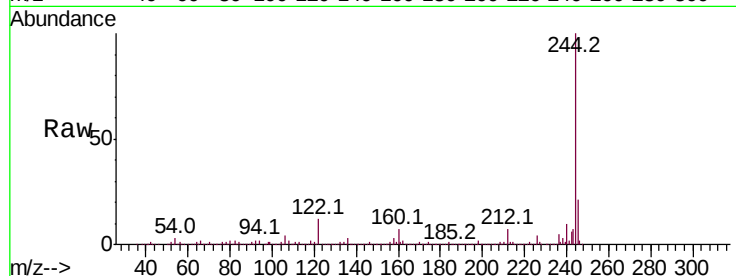
Tot Ion:244 Resp: 2440284

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

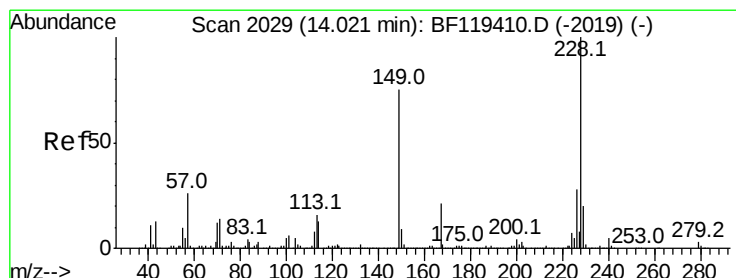
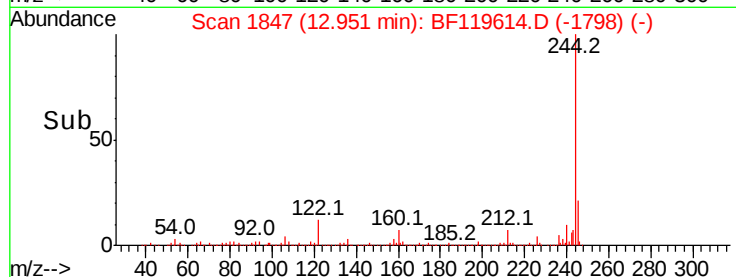
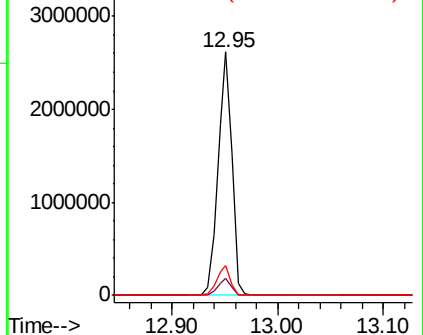
122 12.3 10.3 15.5



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: 2.255 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF119614.D

Acq: 28 Mar 2020 14:03

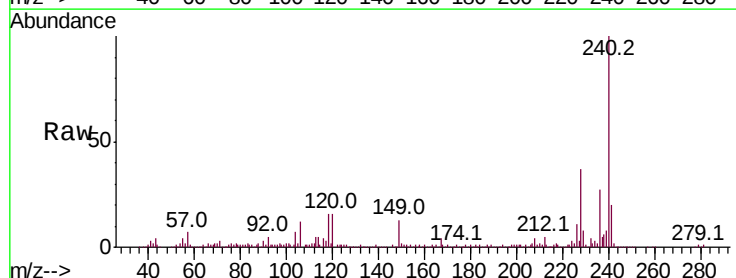
Tgt Ion:228 Resp: 88637

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

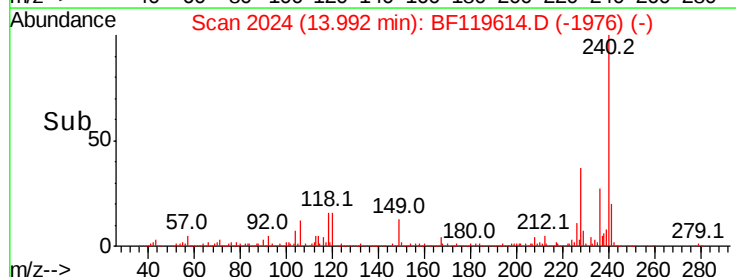
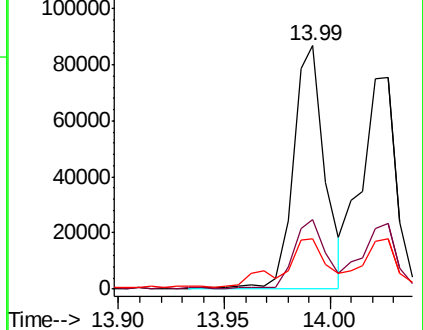
229 20.4 16.2 24.4

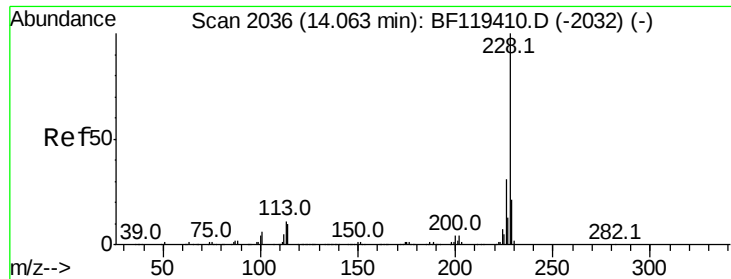


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

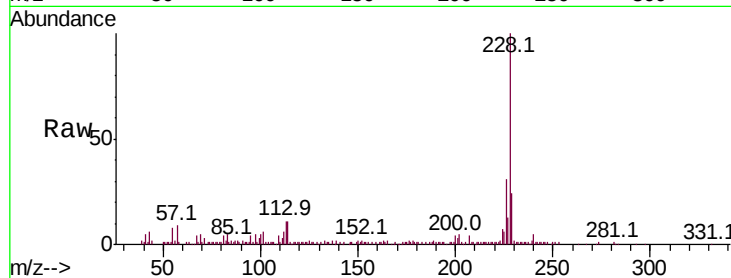




#83
 Chrysene
 Concen: 2.152 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BF119614.D
 Acq: 28 Mar 2020 14:03

Instrument :
 BNA_F
 ClientSampleId :
 RO-350

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	24.0	16.6	24.8

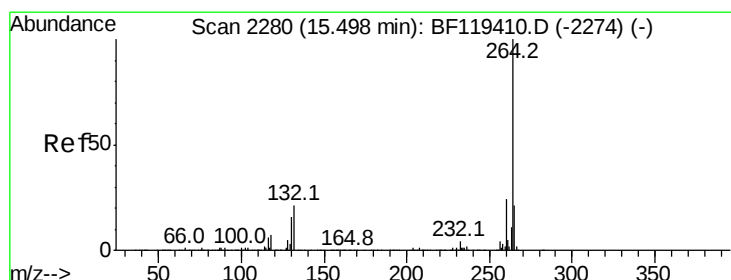
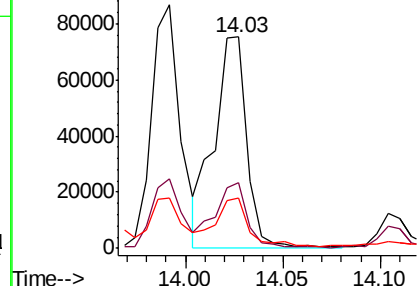
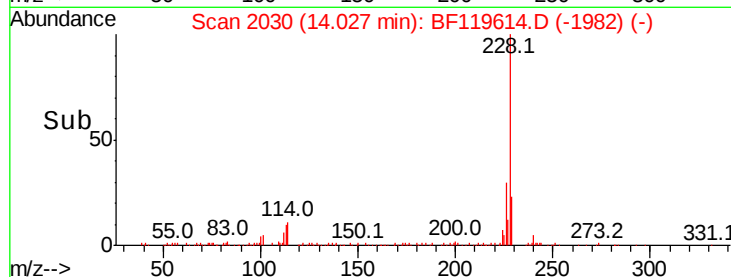


Abundance

Ion 228.00 (227.70 to 228.70): E

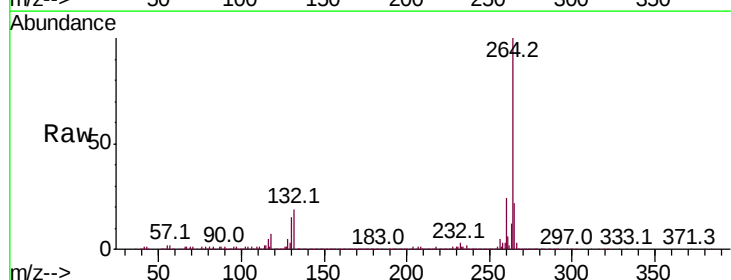
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
 Perylene-d12
 Concen: 20.000 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	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.1	17.7	26.5

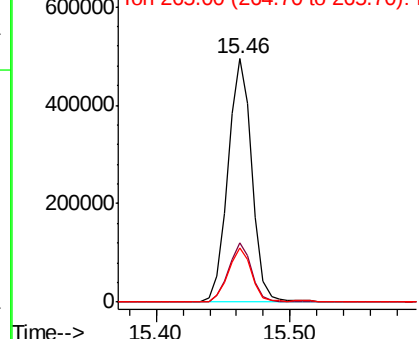
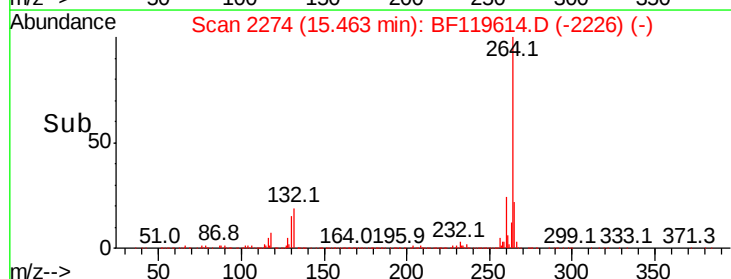


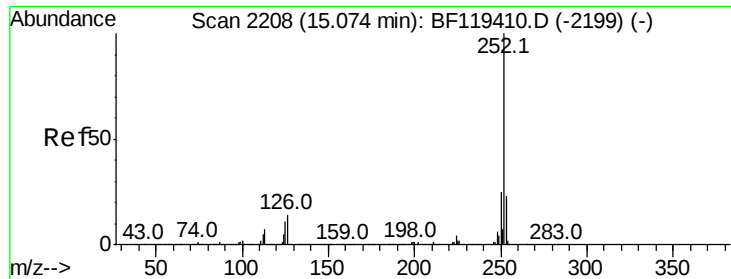
Abundance

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: 2.802 ng/mL

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

Tot Ion: 252 Resp: 117204

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 11.7 7.9 11.9

