

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032720\
 Data File : BF119616.D
 Acq On : 28 Mar 2020 14:57
 Operator : CG/JU
 Sample : L2040-13
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-209

Quant Time: Mar 29 23:18:14 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	301719	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	772673	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	496974	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	865136	20.00	ng	0.00
76) Chrysene-d12	14.00	240	506023	20.00	ng	-0.01
87) Perylene-d12	15.47	264	521758	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	2593702	136.85	ng	0.01
7) Phenol-d6	6.46	99	3293837	136.04	ng	0.00
23) Nitrobenzene-d5	7.40	82	2059517	144.86	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	754986	147.25	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2559950	76.31	ng	0.00
79) Terphenyl-d14	12.96	244	2710421	104.94	ng	0.00

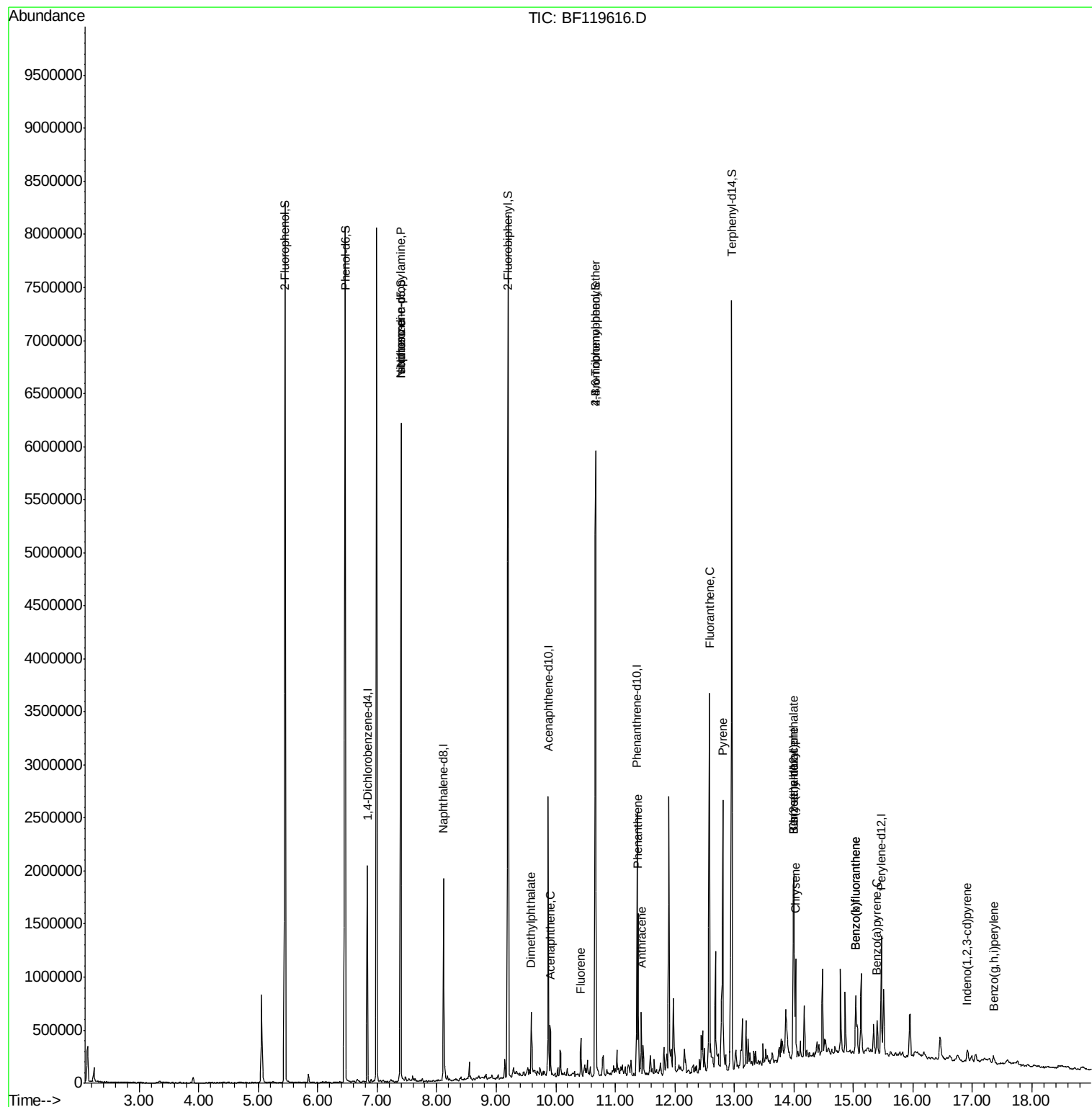
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	282361	19.35	ng	# 76
25) Isophorone	7.40	82	2042781	70.83	ng	# 65
50) Dimethylphthalate	9.59	163	182895	5.18	ng	98
52) Acenaphthene	9.90	154	99209	3.20	ng	99
58) Fluorene	10.42	166	92101	2.80	ng	96
67) 4-Bromophenyl-phenylether	10.67	248	46899	4.76	ng	# 1
71) Phenanthrene	11.39	178	511143	11.39	ng	98
72) Anthracene	11.43	178	231676	5.08	ng	98
75) Fluoranthene	12.58	202	1465973	30.20	ng	96
78) Pyrene	12.80	202	1118764	26.94	ng	98
81) Benzo(a)anthracene	13.99	228	325761	9.90	ng	98
83) Chrysene	14.03	228	348674	10.27	ng	97
84) Bis(2-ethylhexyl)phthalate	13.99	149	162197	8.10	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.92	276	74296	2.32	ng	97
88) Benzo(b)fluoranthene	15.04	252	416946	11.96	ng	97
89) Benzo(k)fluoranthene	15.04	252	416946	12.56	ng	98
90) Benzo(a)pyrene	15.40	252	167560	5.29	ng	95
92) Benzo(g,h,i)perylene	17.36	276	62861	2.26	ng	98

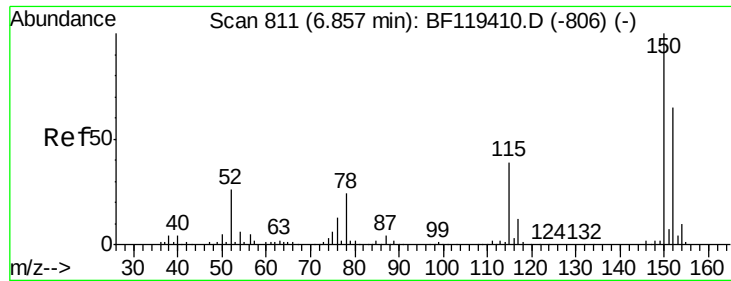
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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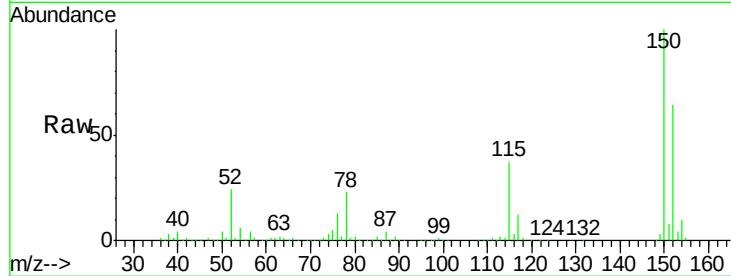


#1

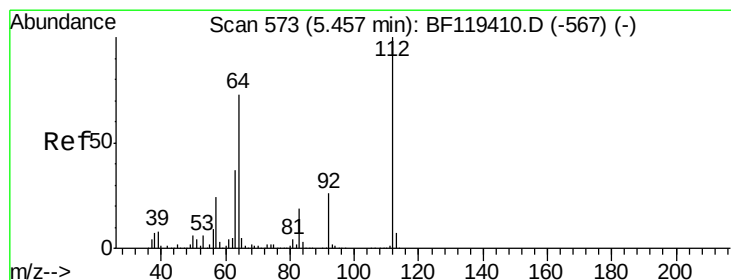
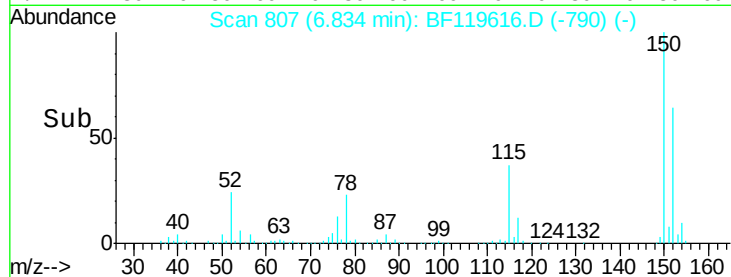
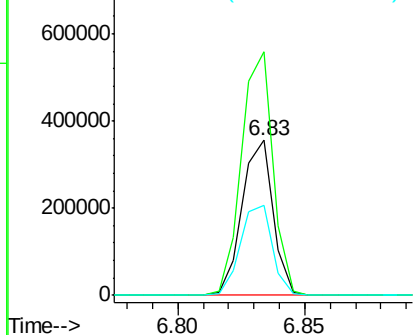
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119616.D
Acq: 28 Mar 2020 14:57

Instrument :
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ClientSampleId :
RO-209

Tgt Ion:152 Resp: 301719
Ion Ratio Lower Upper
152 100
150 157.3 124.5 186.7
115 58.4 49.6 74.4



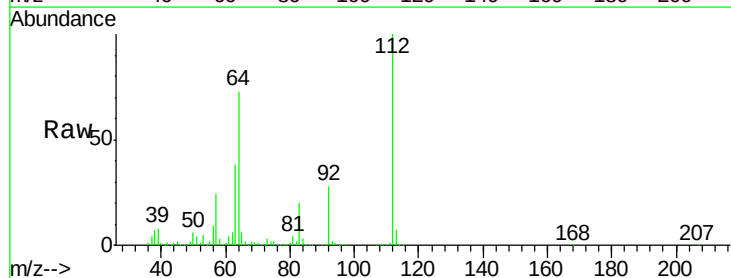
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



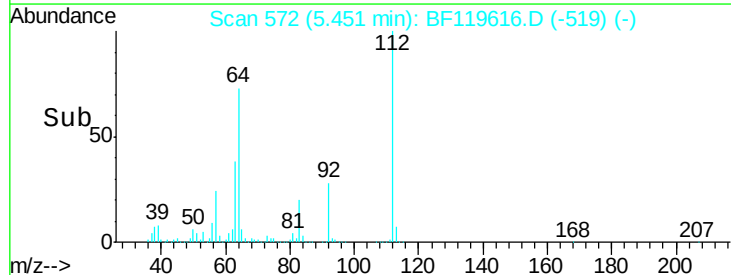
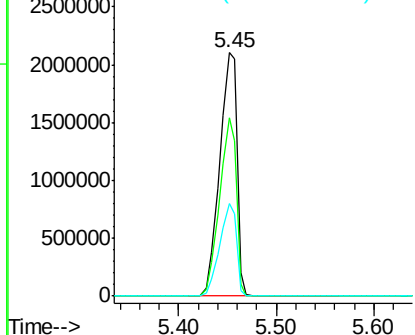
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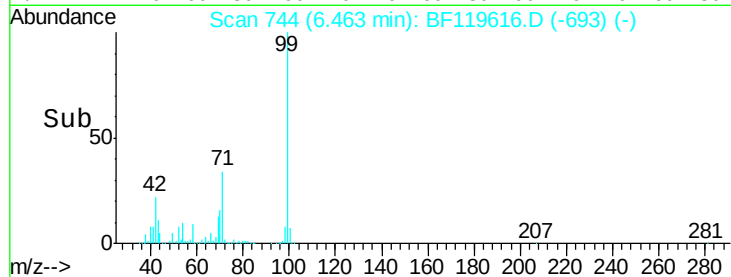
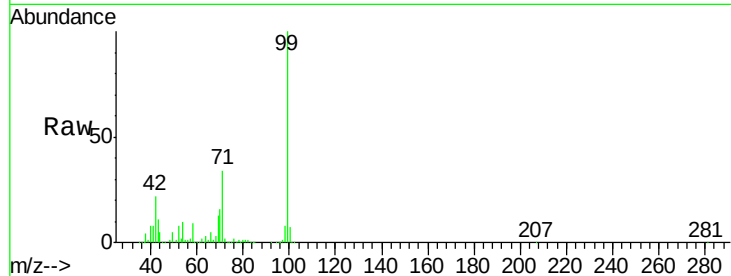
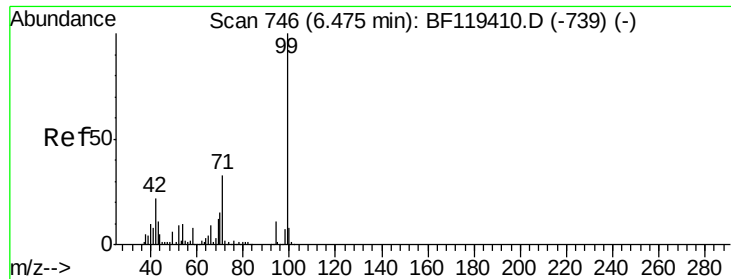
2-Fluorophenol
Concen: 136.85 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF119616.D
Acq: 28 Mar 2020 14:57

Tgt Ion:112 Resp: 2593702
Ion Ratio Lower Upper
112 100
64 73.4 56.7 85.1
63 38.2 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: 136.04 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

Instrument :

BNA_F

ClientSampleId :

RO-209

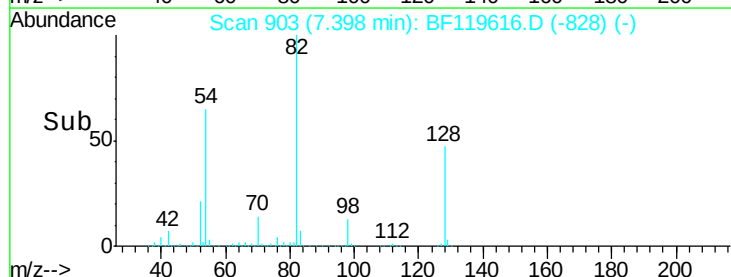
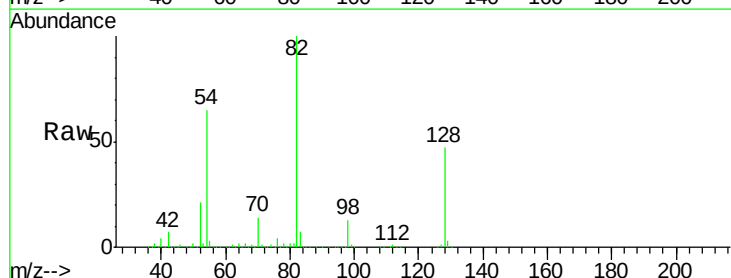
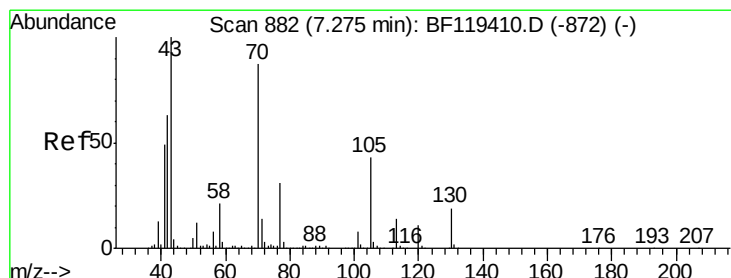
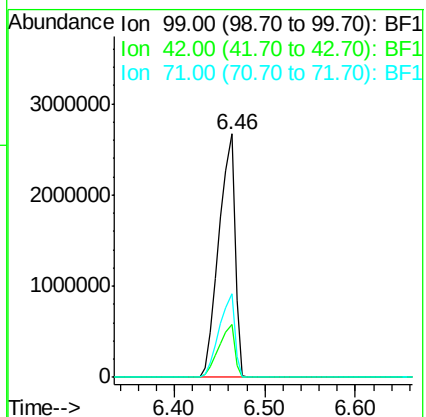
Tgt Ion: 99 Resp: 3293837

Ion Ratio Lower Upper

99 100

42 21.5 16.6 24.8

71 34.2 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 19.35 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

Tgt Ion: 70 Resp: 282361

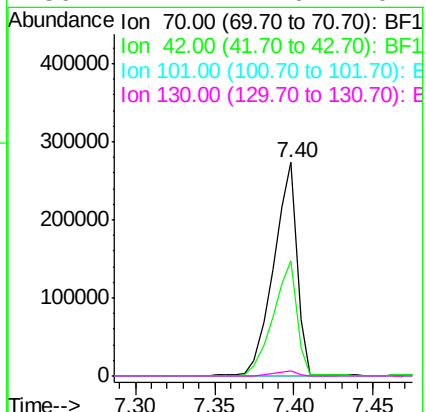
Ion Ratio Lower Upper

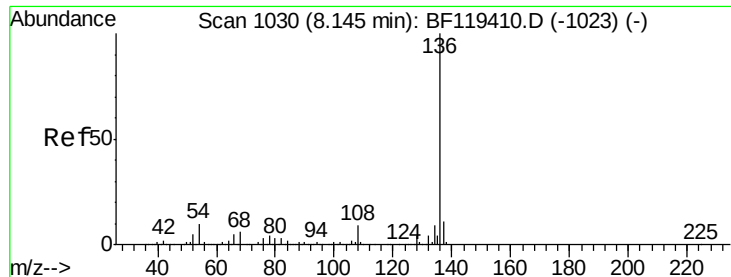
70 100

42 53.7 54.5 81.7#

101 0.0 7.6 11.4#

130 2.2 17.6 26.4#

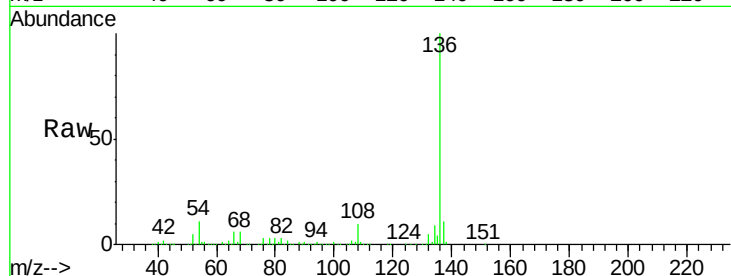




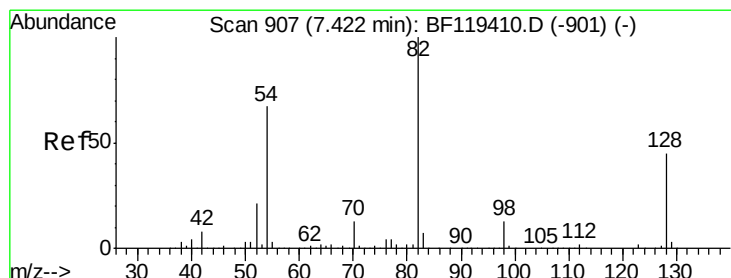
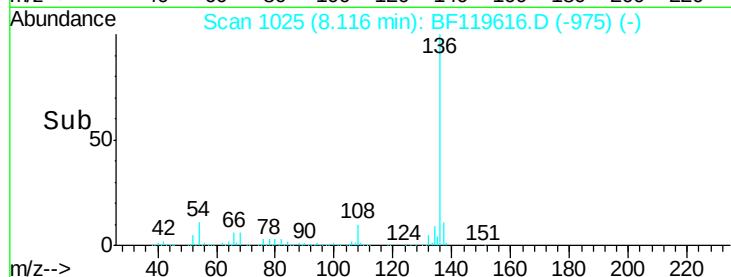
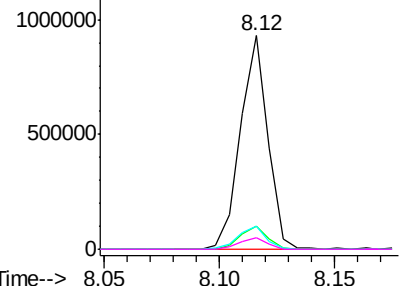
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF119616.D
Acq: 28 Mar 2020 14:57

Instrument :
BNA_F
ClientSampleId :
RO-209

Tgt Ion:	136	Resp:	772673
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.0	9.1	13.7
68	5.6	4.6	6.8

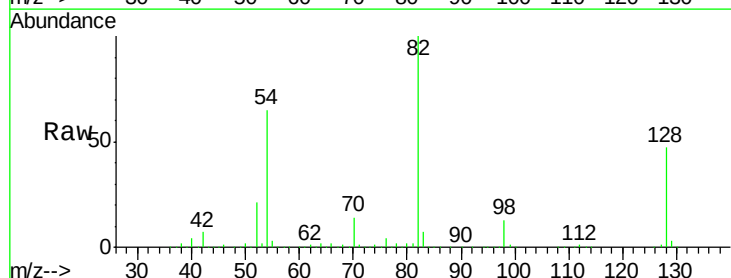


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

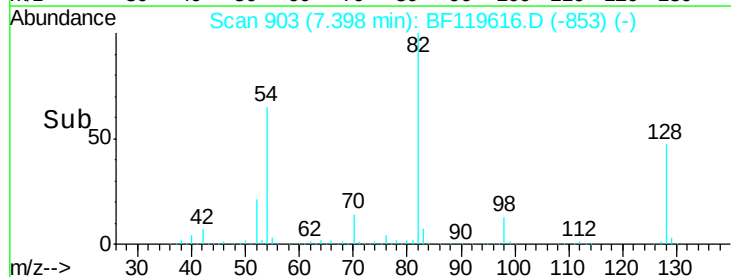
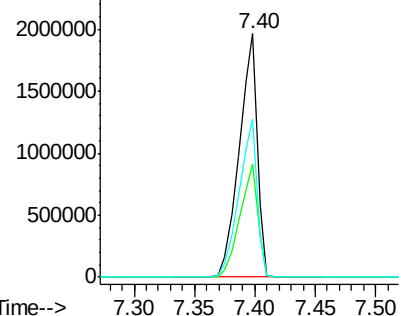


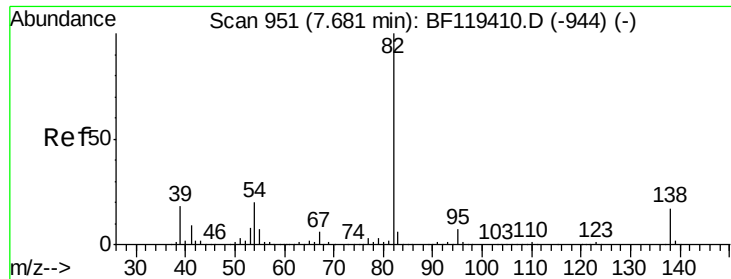
#23
Nitrobenzene-d5
Concen: 144.86 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF119616.D
Acq: 28 Mar 2020 14:57

Tgt Ion:	82	Resp:	2059517
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.3	54.5
54	64.9	50.6	75.8



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





#25

Isophorone

Concen: 70.83 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

Instrument :

BNA_F

ClientSampleId :

RO-209

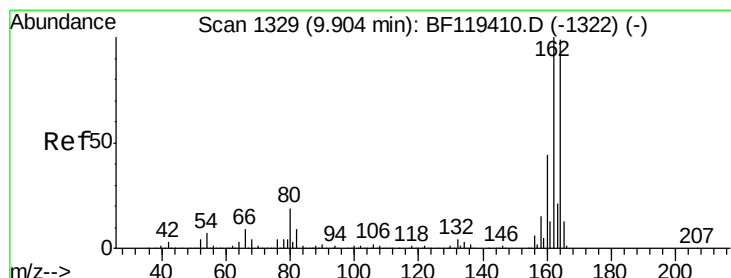
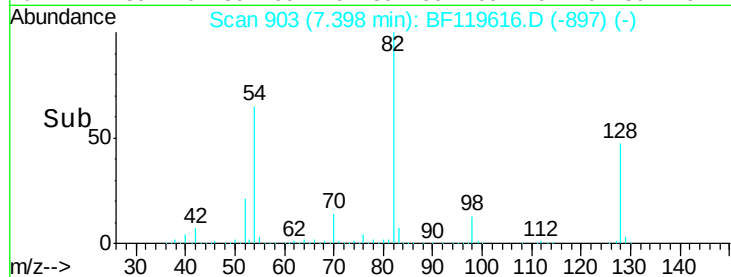
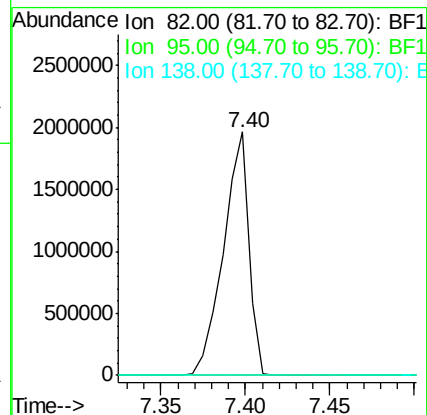
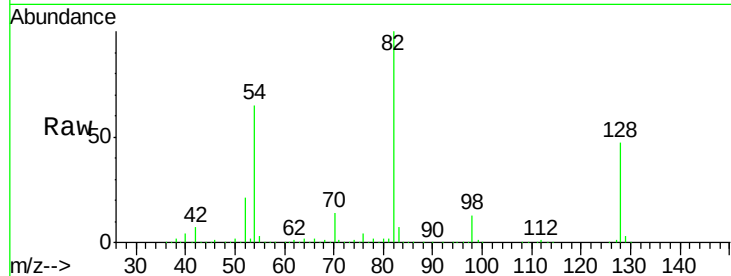
Tgt Ion: 82 Resp: 2042781

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

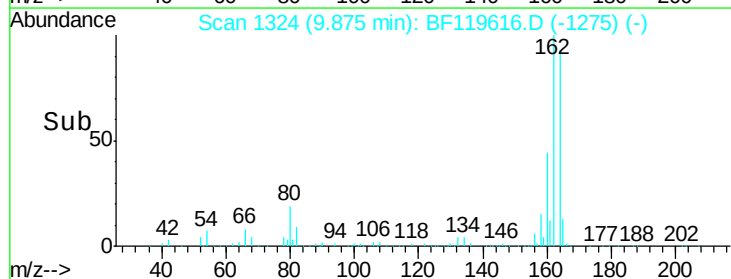
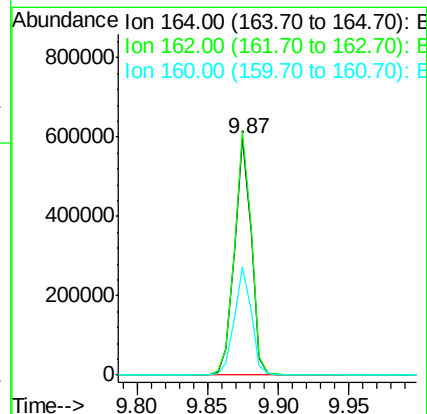
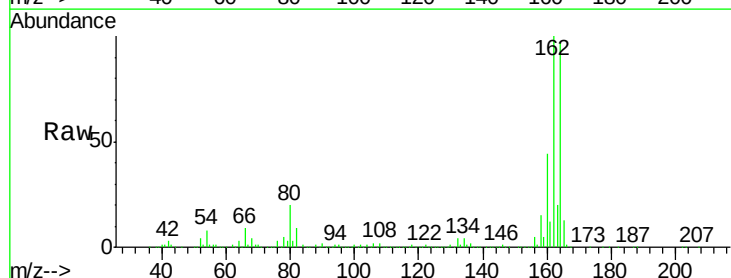
Tgt Ion: 164 Resp: 496974

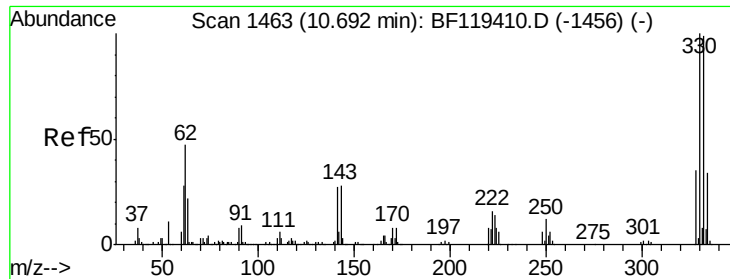
Ion Ratio Lower Upper

164 100

162 102.9 80.6 121.0

160 45.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 147.25 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

Instrument :

BNA_F

ClientSampleId :

RO-209

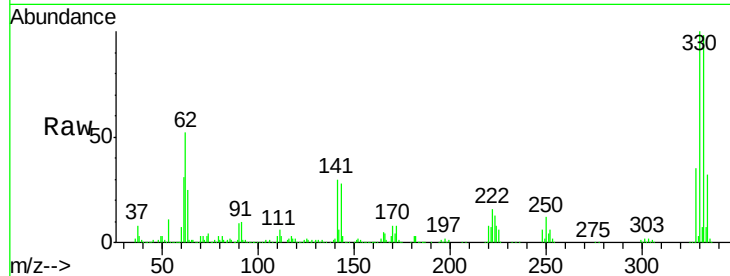
Tgt Ion:330 Resp: 754986

Ion Ratio Lower Upper

330 100

332 96.5 75.7 113.5

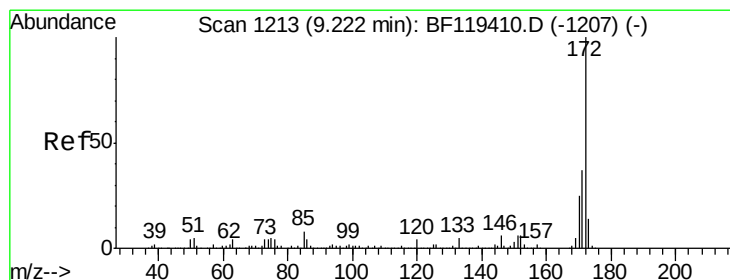
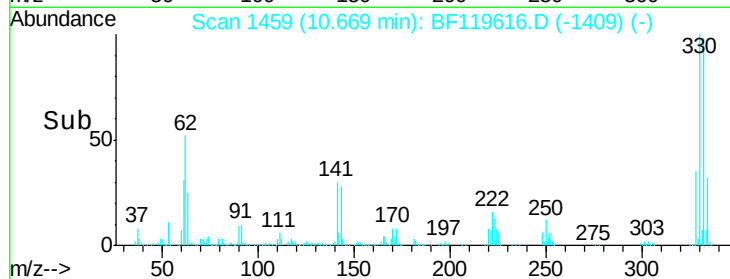
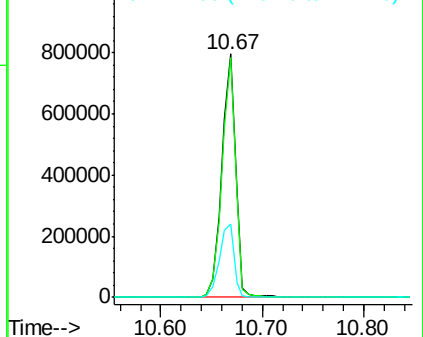
141 32.0 25.4 38.0



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: 76.31 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

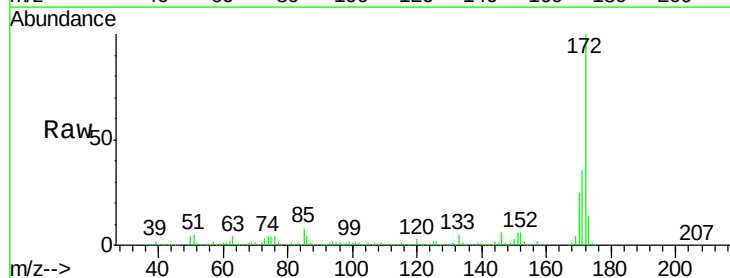
Tgt Ion:172 Resp: 2559950

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

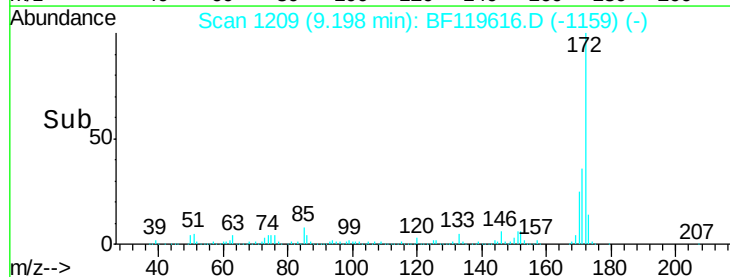
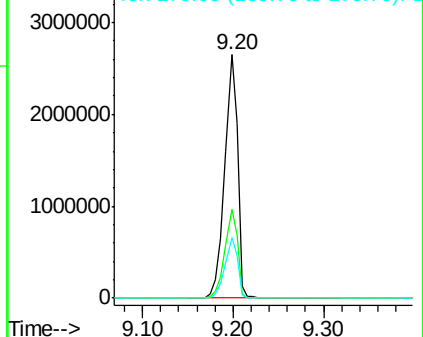
170 24.8 20.2 30.2

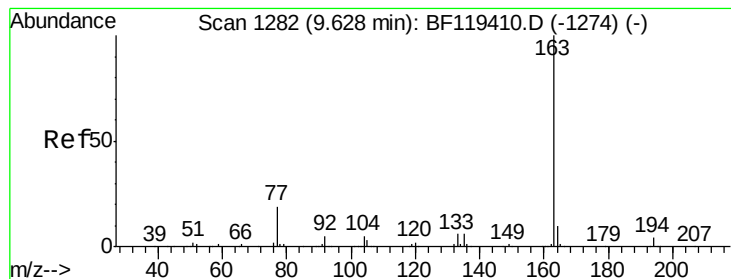


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.18 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

Instrument :

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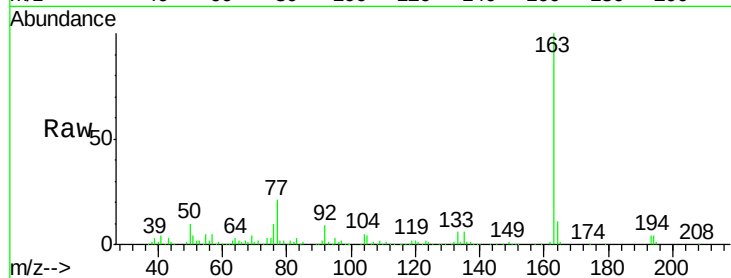
Tgt Ion:163 Resp: 182895

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

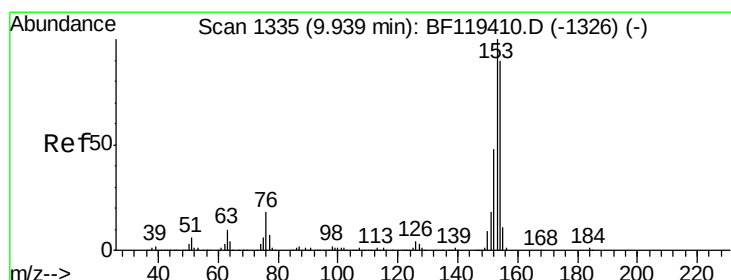
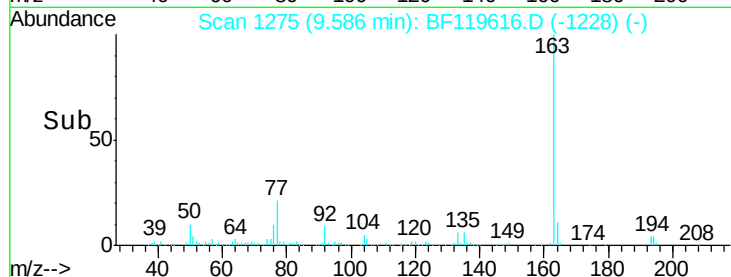
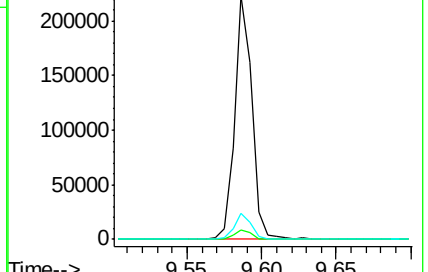
164 10.9 8.2 12.2



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



#52

Acenaphthene

Concen: 3.20 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

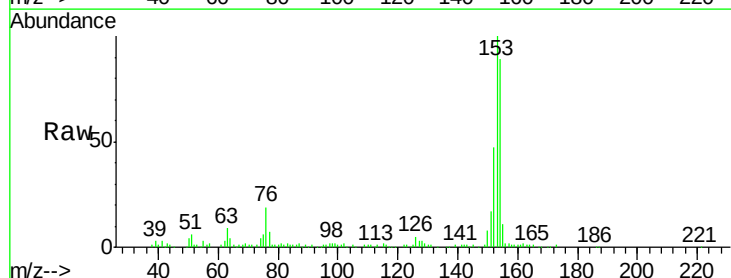
Tgt Ion:154 Resp: 99209

Ion Ratio Lower Upper

154 100

153 111.9 88.1 132.1

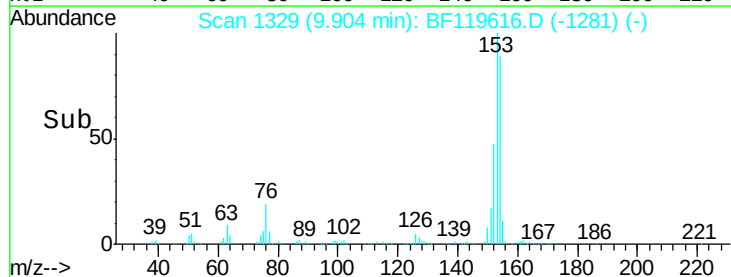
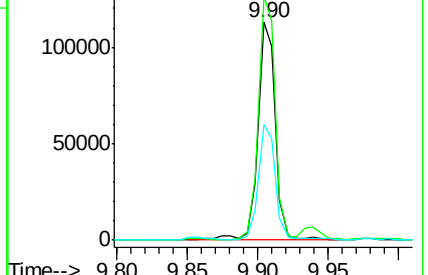
152 53.0 43.0 64.4

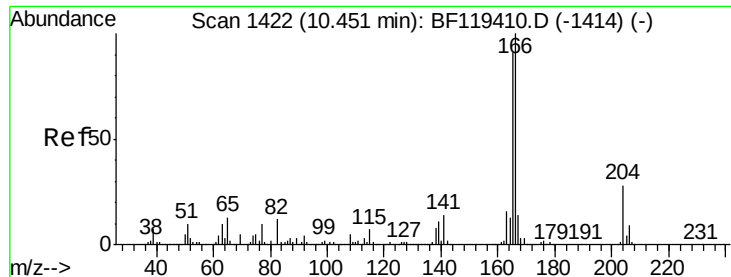


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

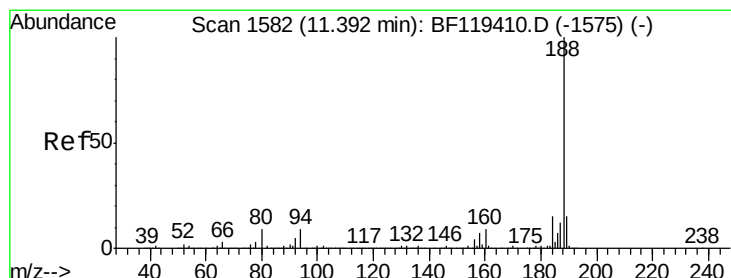
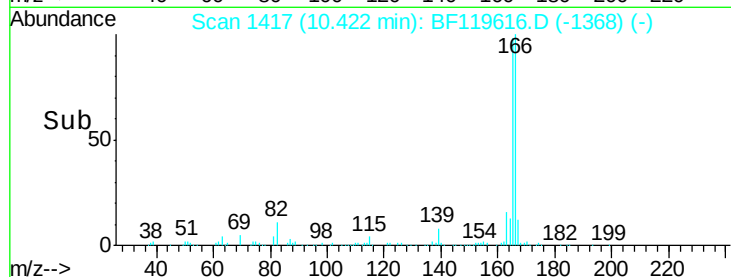
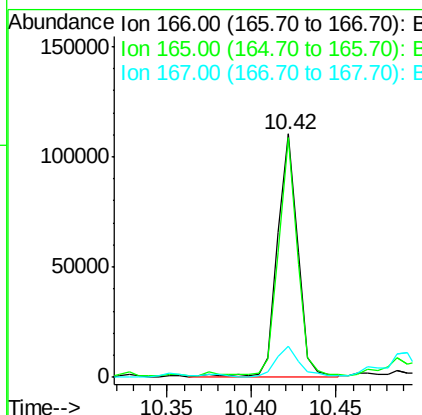
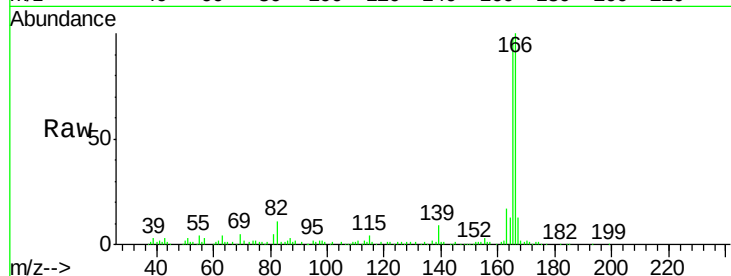




#58
 Fluorene
 Concen: 2.80 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF119616.D
 Acq: 28 Mar 2020 14:57

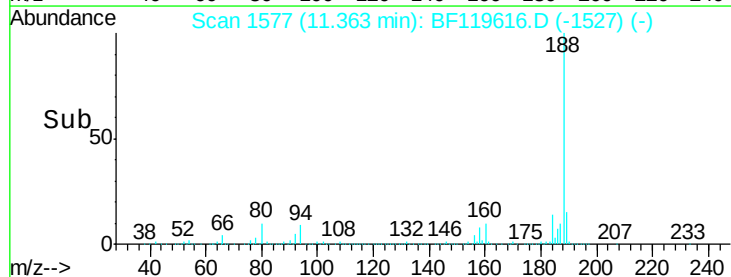
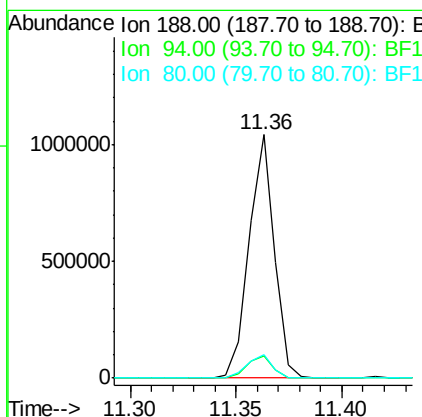
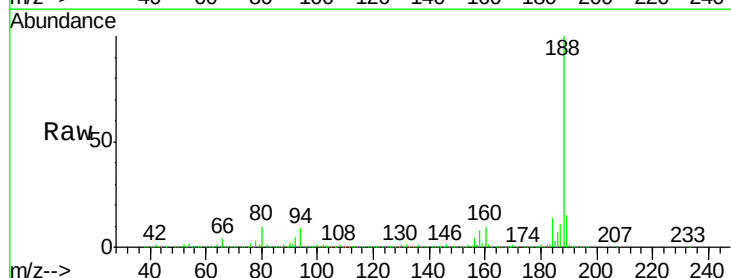
Instrument :
 BNA_F
 ClientSampleId :
 RO-209

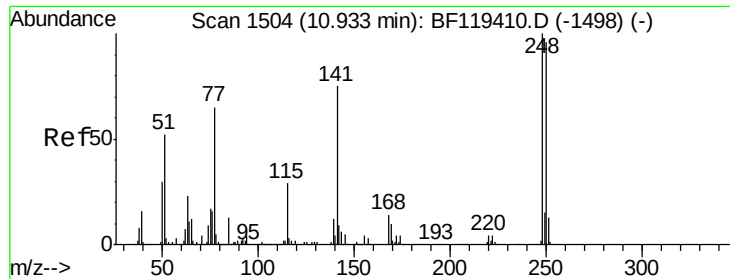
Tgt Ion:166 Resp: 92101
 Ion Ratio Lower Upper
 166 100
 165 98.4 75.4 113.2
 167 12.9 11.2 16.8



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF119616.D
 Acq: 28 Mar 2020 14:57

Tgt Ion:188 Resp: 865136
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.5 11.3
 80 9.7 9.0 13.4

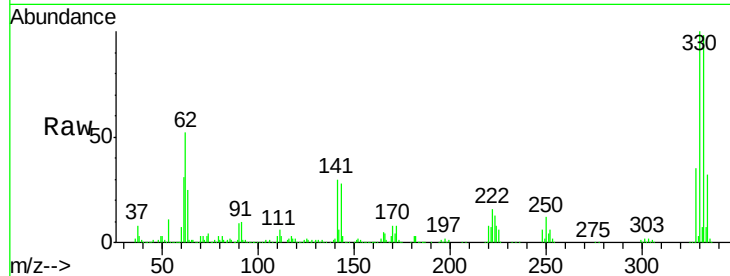




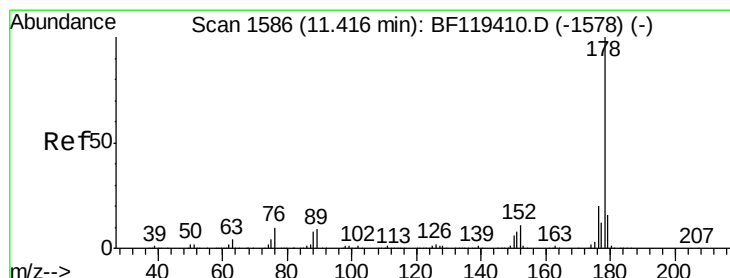
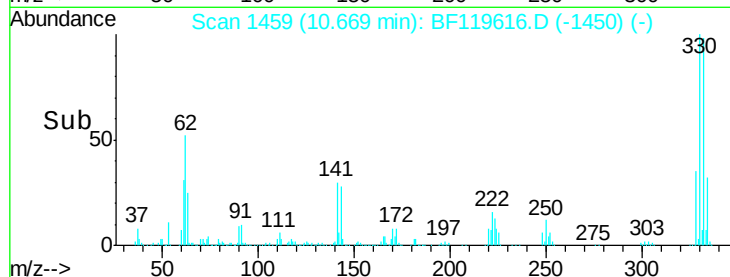
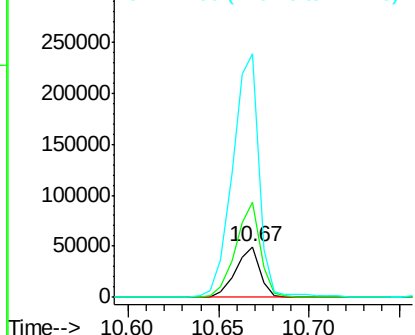
#67
 4-Bromophenyl-phenylether
 Concen: 4.76 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF119616.D
 Acq: 28 Mar 2020 14:57

Instrument :
 BNA_F
 ClientSampleId :
 RO-209

Tgt Ion:248 Resp: 46899
 Ion Ratio Lower Upper
 248 100
 250 188.1 77.3 115.9#
 141 478.1 58.6 87.8#

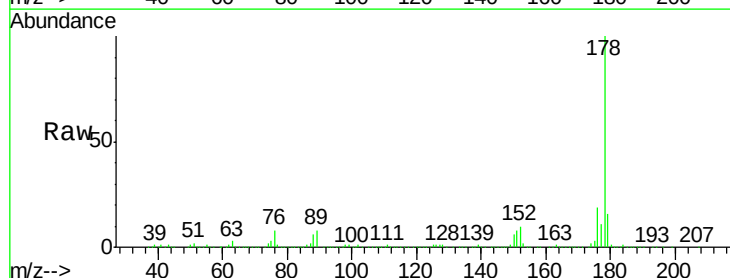


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

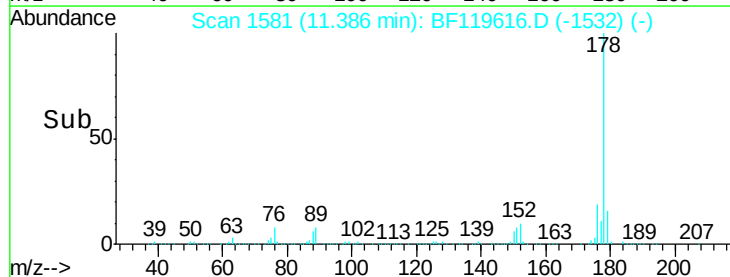
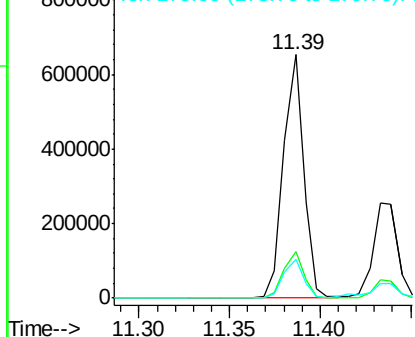


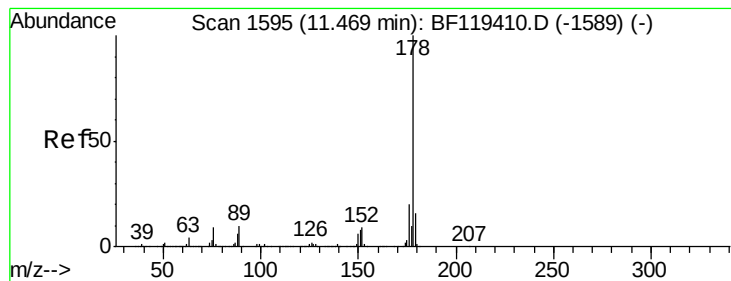
#71
 Phenanthrene
 Concen: 11.39 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF119616.D
 Acq: 28 Mar 2020 14:57

Tgt Ion:178 Resp: 511143
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 15.7 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





#72

Anthracene

Concen: 5.08 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

Instrument :

BNA_F

ClientSampleId :

RO-209

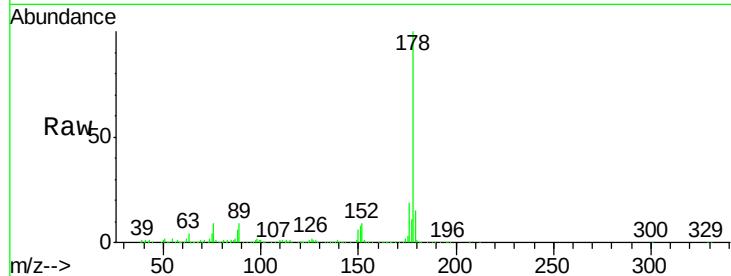
Tgt Ion:178 Resp: 231676

Ion Ratio Lower Upper

178 100

176 19.0 16.1 24.1

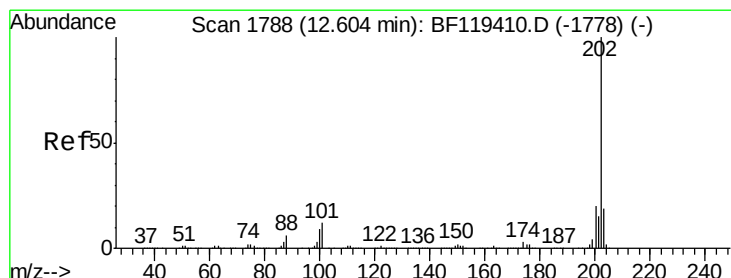
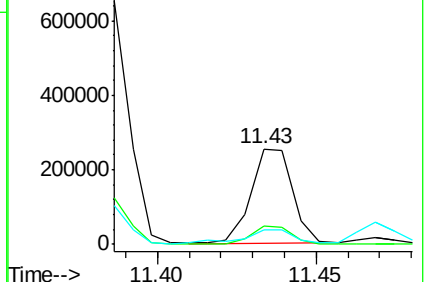
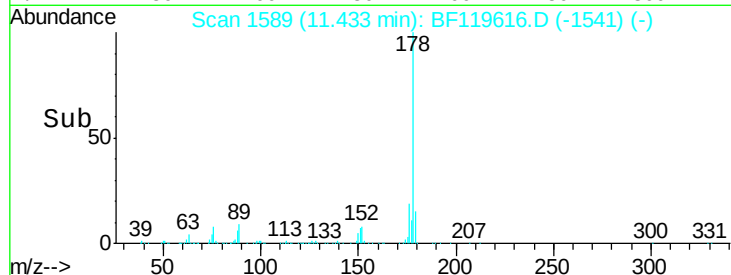
179 15.5 13.0 19.4



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: 30.20 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

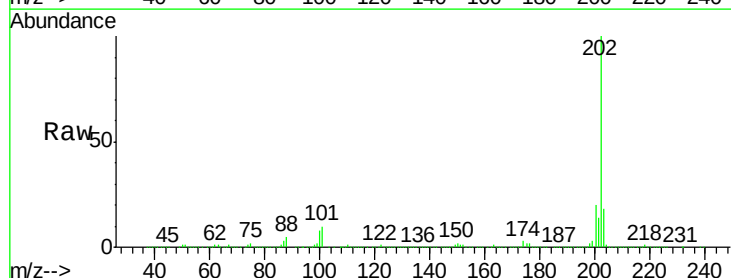
Tgt Ion:202 Resp: 1465973

Ion Ratio Lower Upper

202 100

101 10.1 0.0 32.2

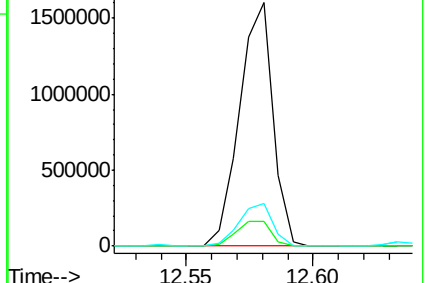
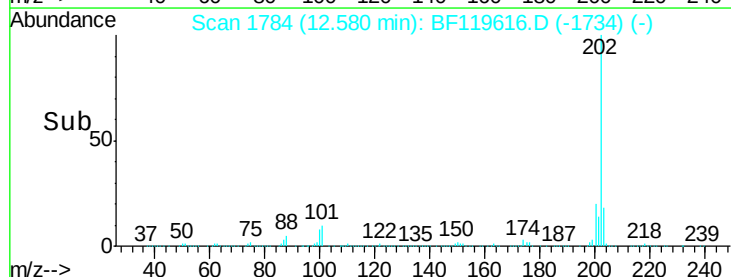
203 17.7 0.0 38.8

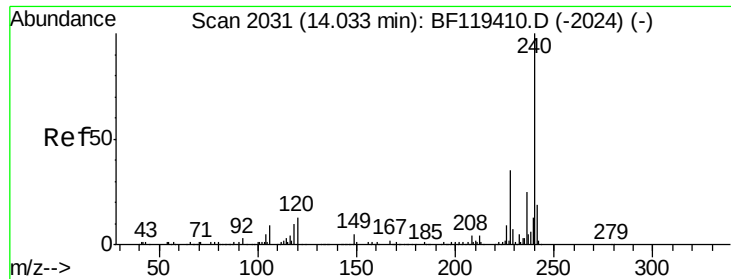


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

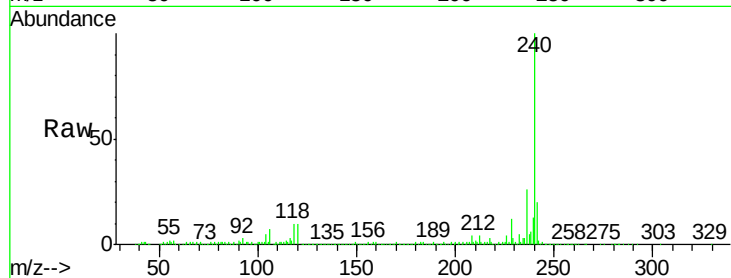




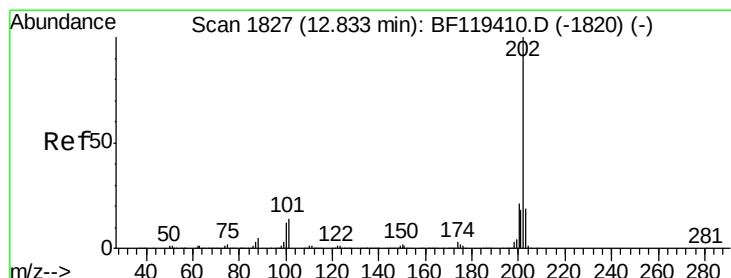
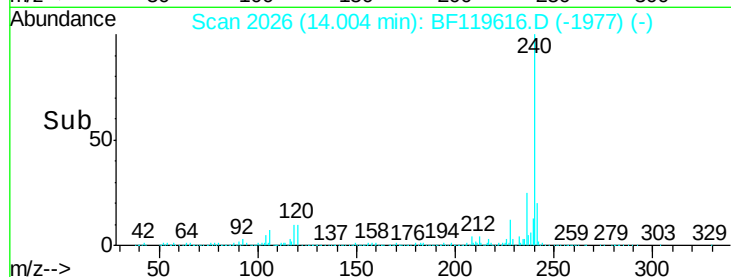
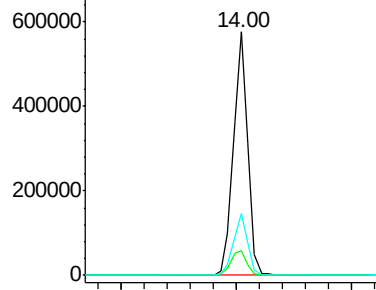
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF119616.D
Acq: 28 Mar 2020 14:57

Instrument :
BNA_F
ClientSampleId :
RO-209

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.6	15.8#
236	25.5	20.2	30.2

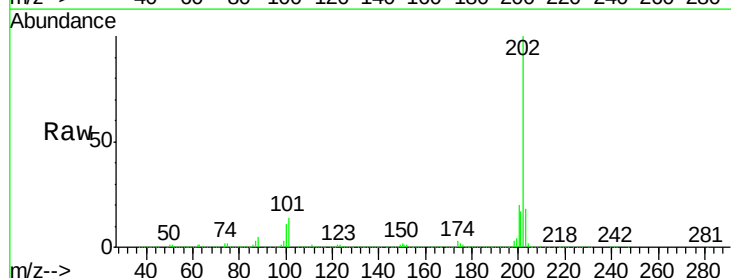


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

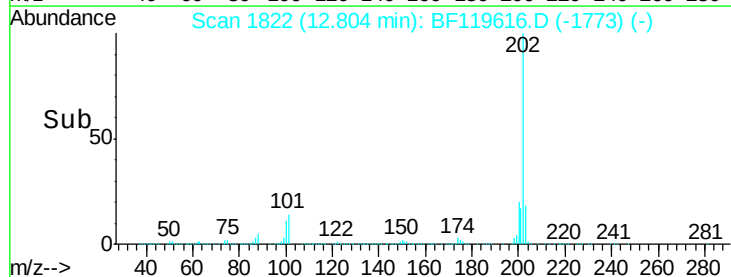
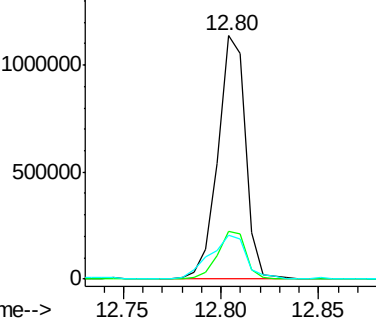


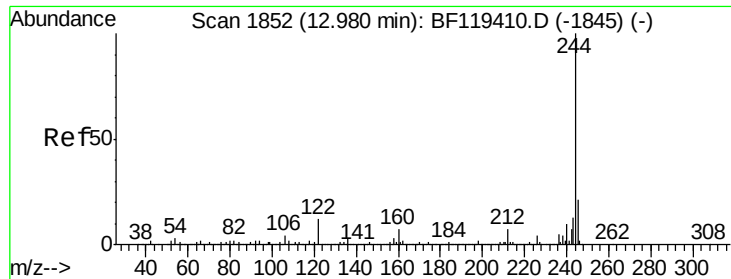
#78
Pyrene
Concen: 26.94 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF119616.D
Acq: 28 Mar 2020 14:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	18.1	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: 104.94 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

Instrument :

BNA_F

ClientSampleId :

RO-209

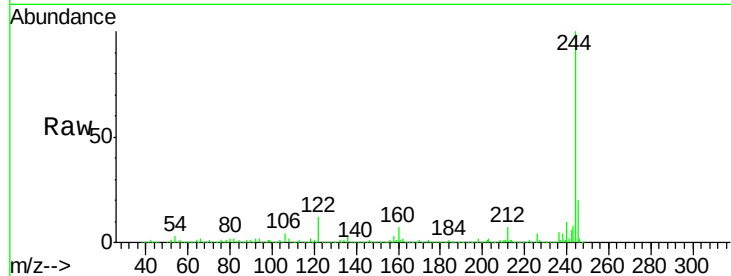
Tgt Ion:244 Resp: 2710421

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

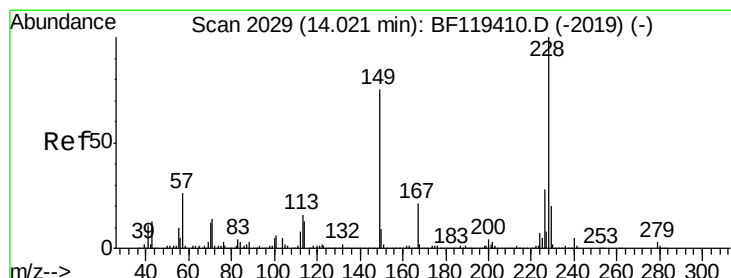
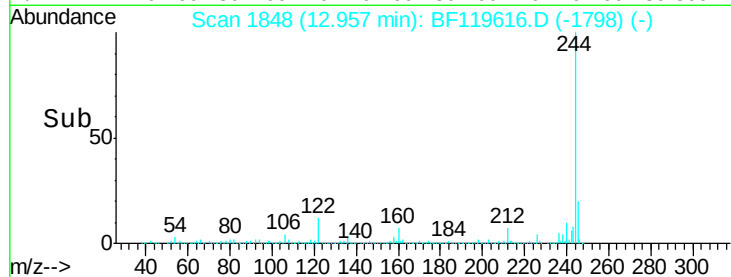
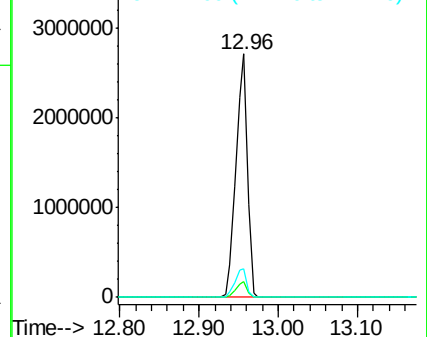
122 11.6 10.3 15.5



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: 9.90 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

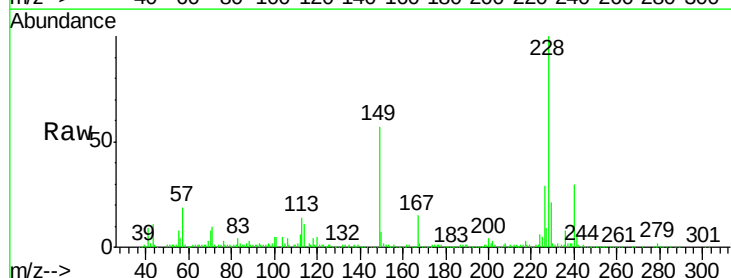
Tgt Ion:228 Resp: 325761

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

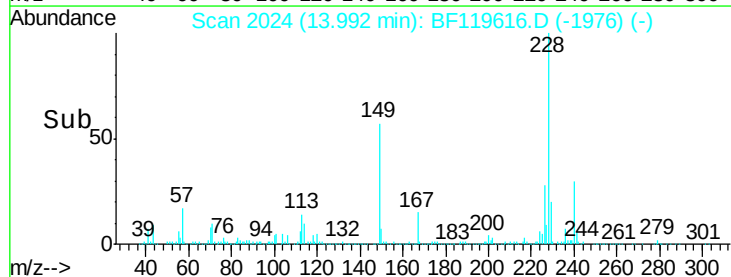
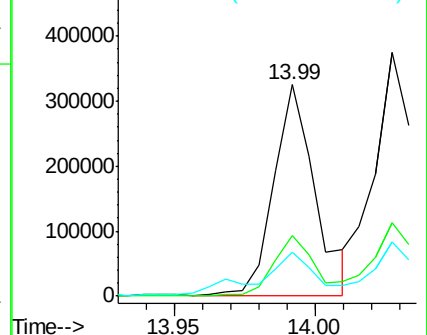
229 20.7 16.2 24.4

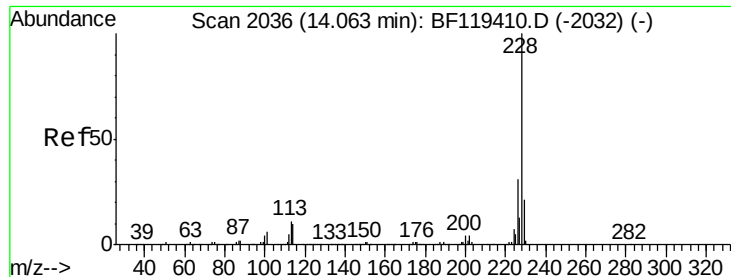


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.27 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

Instrument :

BNA_F

ClientSampleId :

RO-209

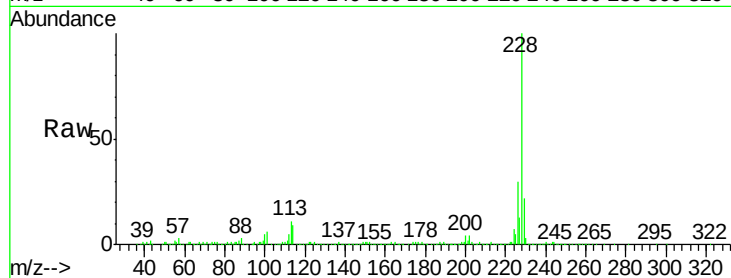
Tgt Ion:228 Resp: 348674

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.0

229 22.3 16.6 24.8

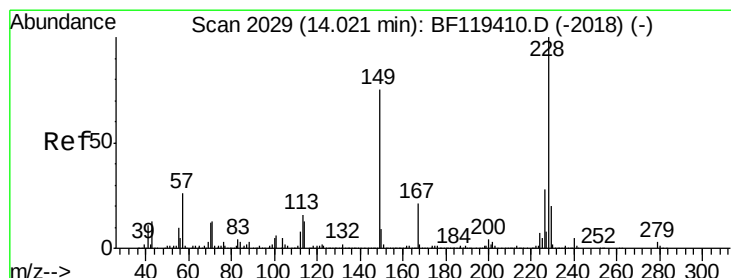
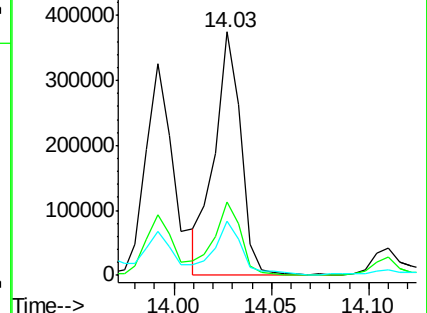
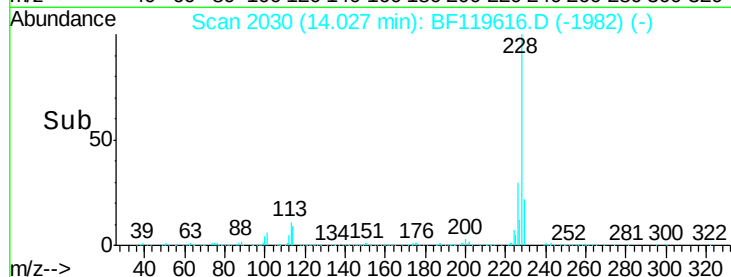


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

14.03



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.10 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

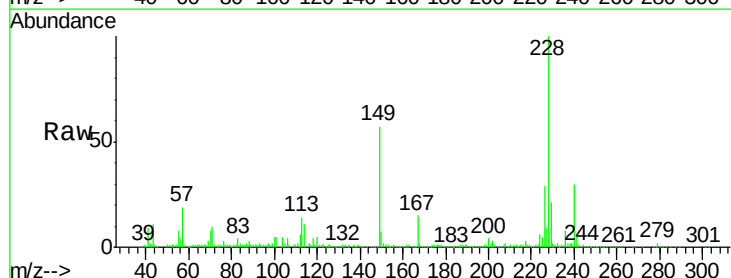
Tgt Ion:149 Resp: 162197

Ion Ratio Lower Upper

149 100

167 26.8 21.3 31.9

279 4.1 2.7 4.1#

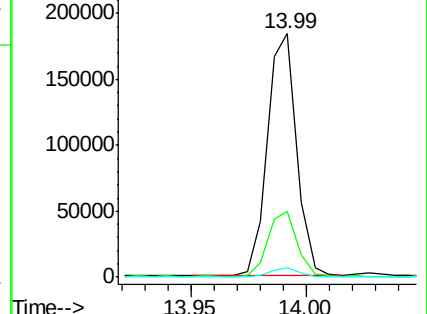
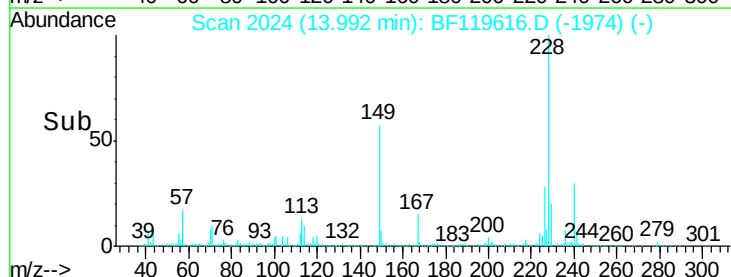


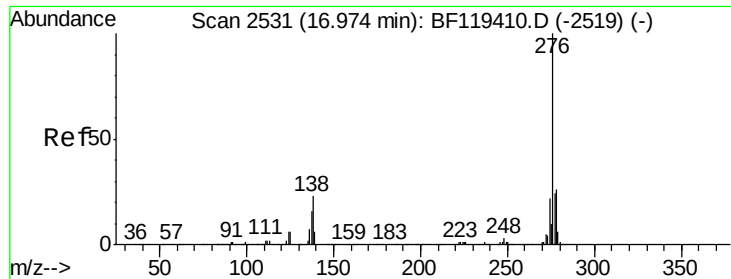
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

13.99

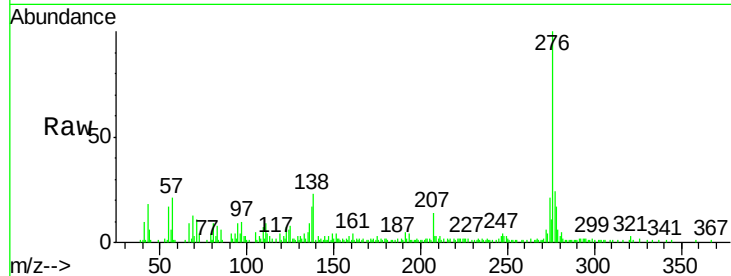




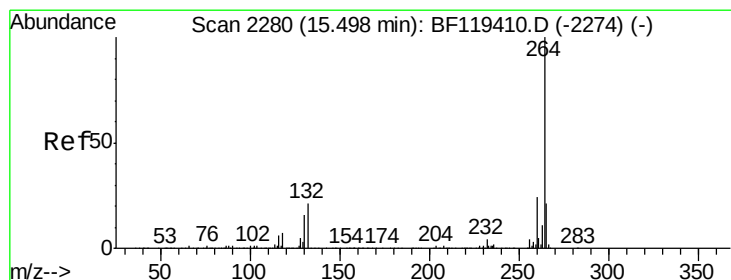
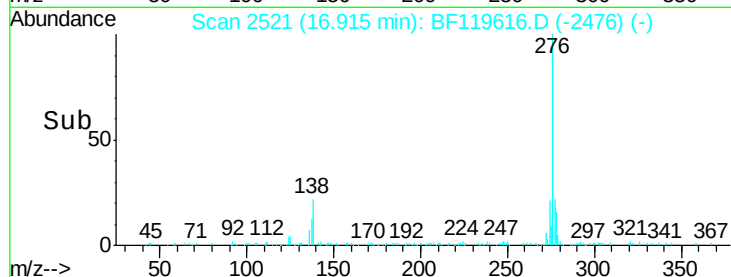
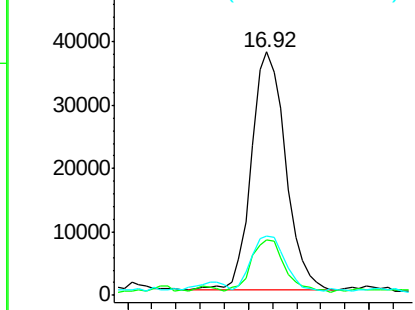
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.32 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.04 min
 Lab File: BF119616.D
 Acq: 28 Mar 2020 14:57

Instrument :
 BNA_F
 ClientSampleId :
 RO-209

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.6	29.4
277	24.1	20.0	30.0

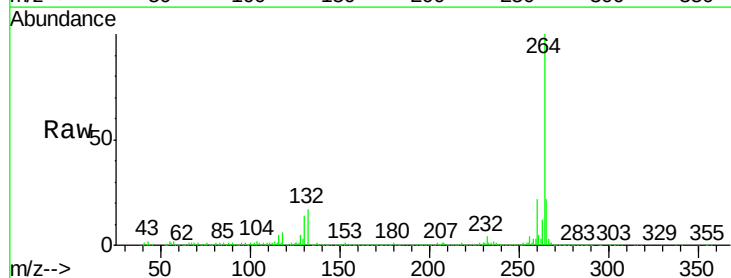


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

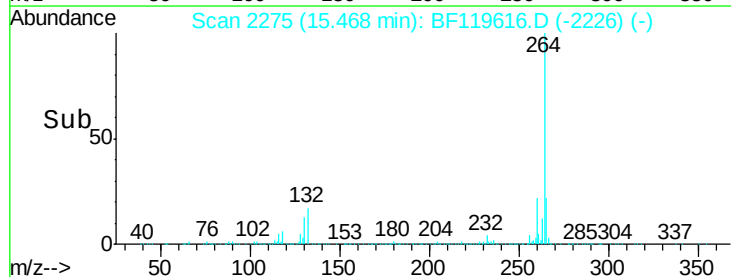
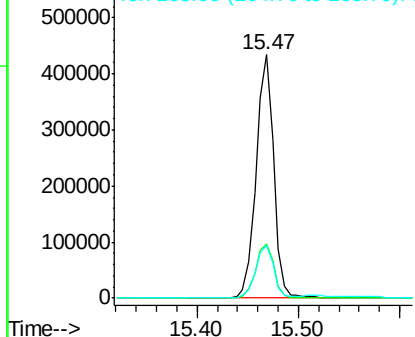


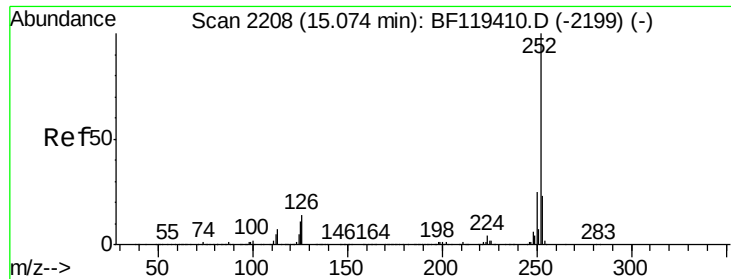
#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF119616.D
 Acq: 28 Mar 2020 14:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	22.0	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

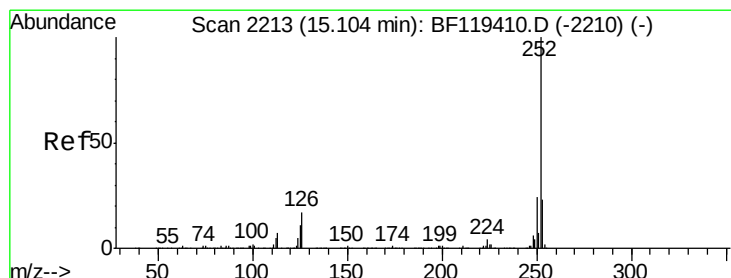
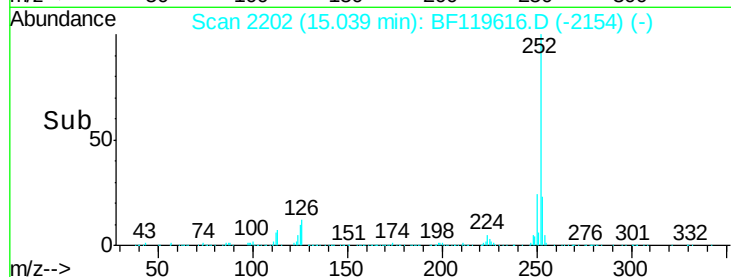
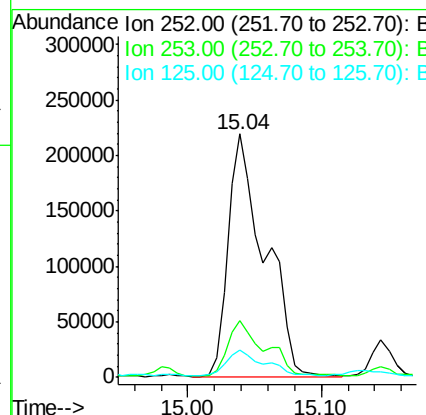
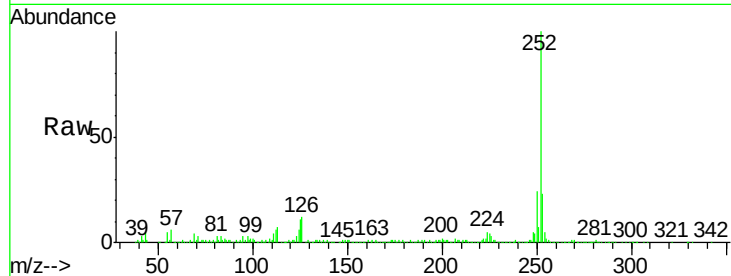




#88
Benzo(b)fluoranthene
Concen: 11.96 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF119616.D
Acq: 28 Mar 2020 14:57

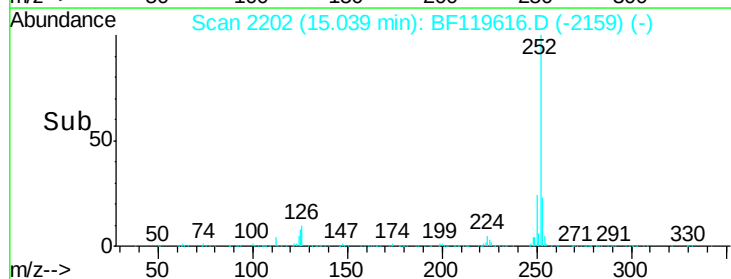
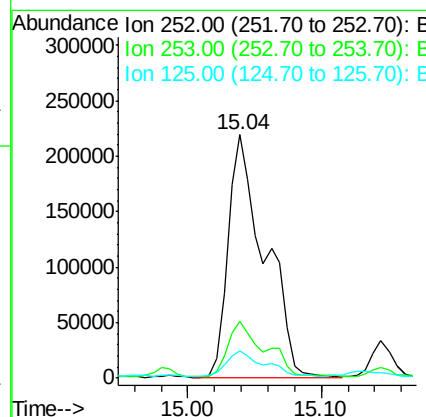
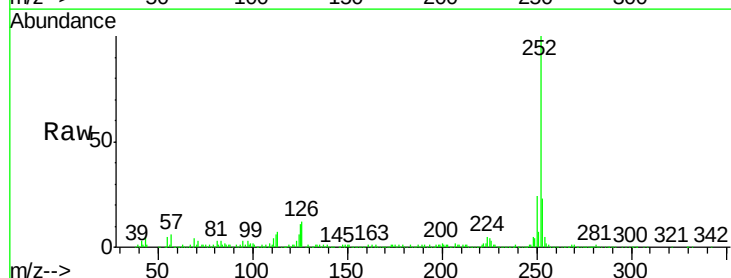
Instrument :
BNA_F
ClientSampleId :
RO-209

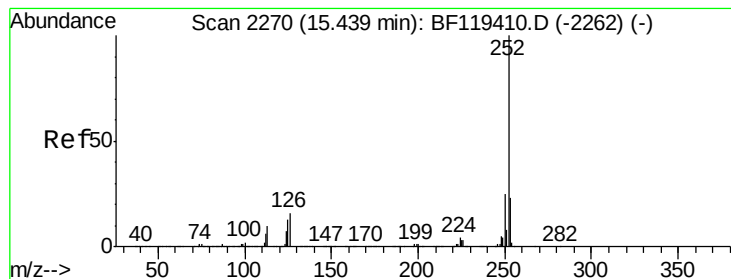
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	11.0	7.9	11.9



#89
Benzo(k)fluoranthene
Concen: 12.56 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.05 min
Lab File: BF119616.D
Acq: 28 Mar 2020 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	11.0	8.4	12.6





#90

Benzo(a)pyrene

Concen: 5.29 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.02 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

Instrument :

BNA_F

ClientSampleId :

RO-209

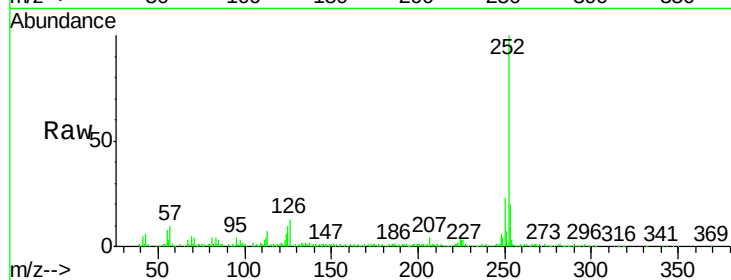
Tgt Ion:252 Resp: 167560

Ion Ratio Lower Upper

252 100

253 20.1 18.2 27.2

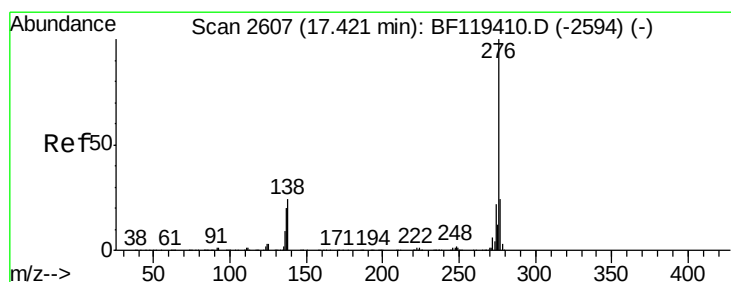
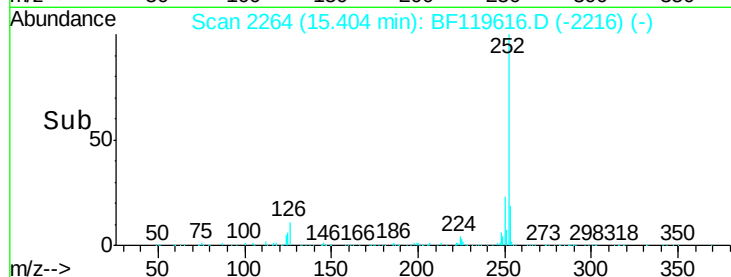
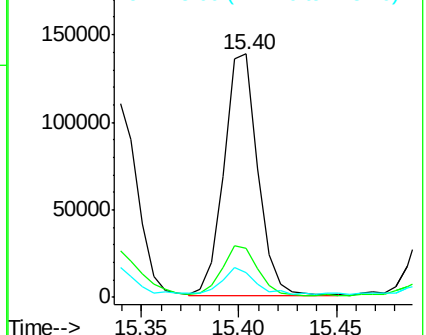
125 10.2 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.26 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.04 min

Lab File: BF119616.D

Acq: 28 Mar 2020 14:57

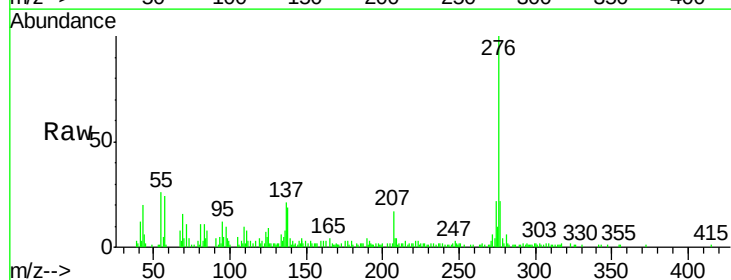
Tgt Ion:276 Resp: 62861

Ion Ratio Lower Upper

276 100

277 21.8 18.4 27.6

138 18.8 15.4 23.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

