

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116092.D
 Acq On : 9 Aug 2019 2:31
 Operator : HP/JU
 Sample : K4162-01RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:16:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

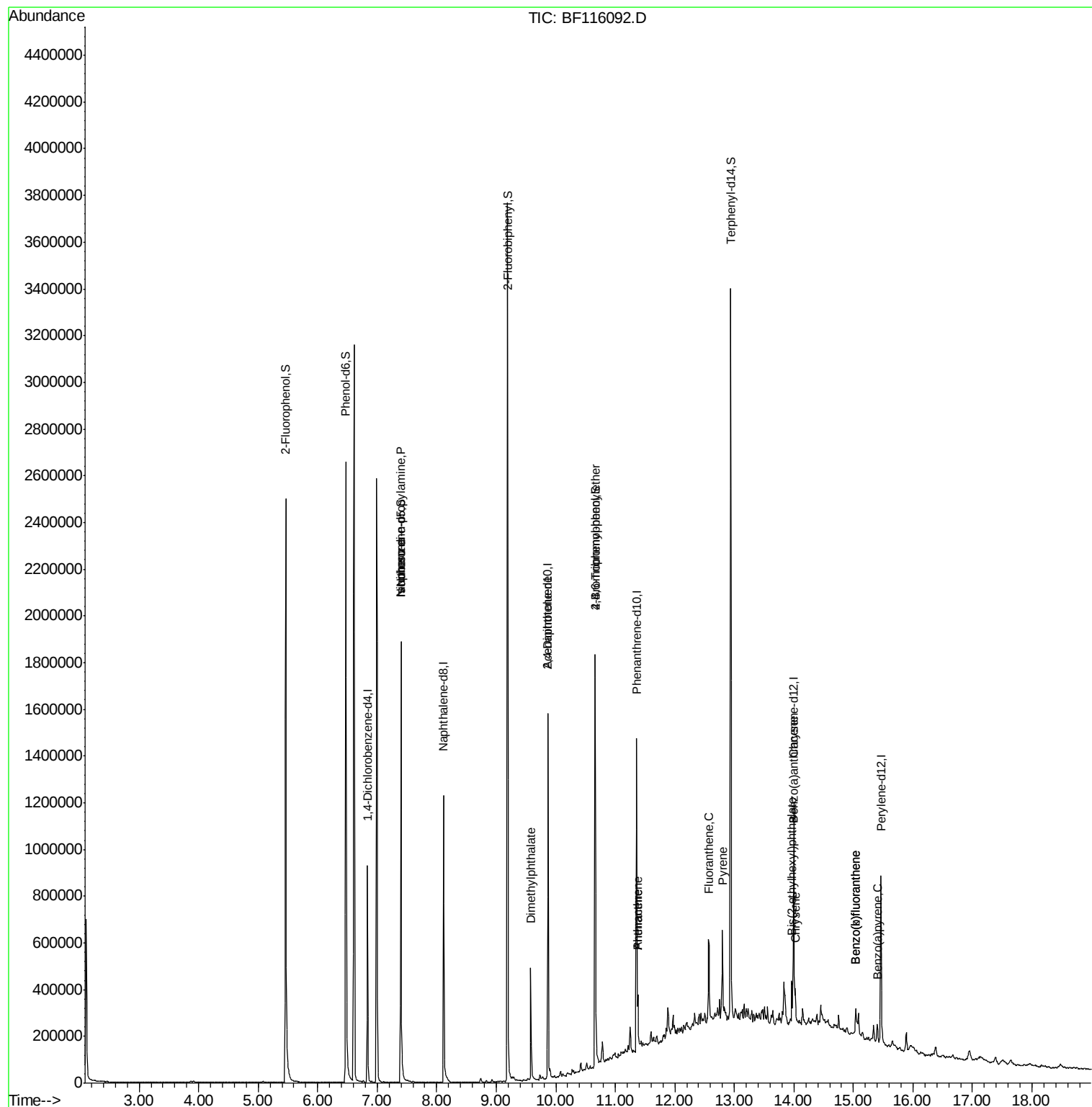
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	145891	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	581596	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	303354	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	477213	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	300487	20.00	ng	-0.01
87) Perylene-d12	15.46	264	332511	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	795376	91.27	ng	0.00
7) Phenol-d6	6.47	99	1050652	95.56	ng	-0.01
23) Nitrobenzene-d5	7.40	82	658402	65.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	258341	87.84	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1182281	73.00	ng	-0.01
79) Terphenyl-d14	12.94	244	1054073	73.92	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	87660	12.866	ng	Qvalue # 80
25) Isophorone	7.40	82	658395	34.174	ng	# 65
50) Dimethylphthalate	9.58	163	212595	10.293	ng	100
57) 2,4-Dinitrotoluene	9.87	165	41364	6.921	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	15972	3.127	ng	# 1
71) Phenanthrene	11.38	178	83350	3.417	ng	98
72) Anthracene	11.38	178	83350	3.376	ng	98
75) Fluoranthene	12.57	202	143189	5.606	ng	97
78) Pyrene	12.80	202	155391	6.860	ng	98
81) Benzo(a)anthracene	13.99	228	52141	2.715	ng	99
83) Chrysene	14.02	228	58492	3.137	ng	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	51847	4.164	ng	100
88) Benzo(b)fluoranthene	15.04	252	79489	4.134	ng	# 92
89) Benzo(k)fluoranthene	15.04	252	79489	4.245	ng	# 91
90) Benzo(a)pyrene	15.40	252	34399	2.001	ng	# 93

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

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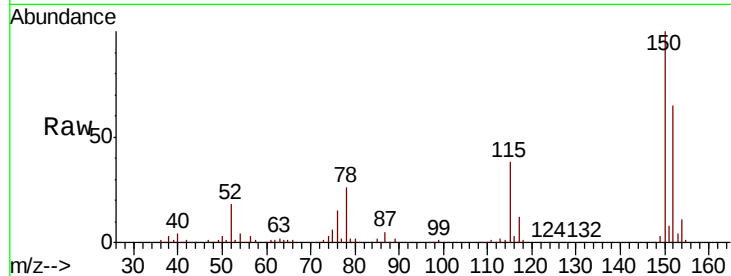




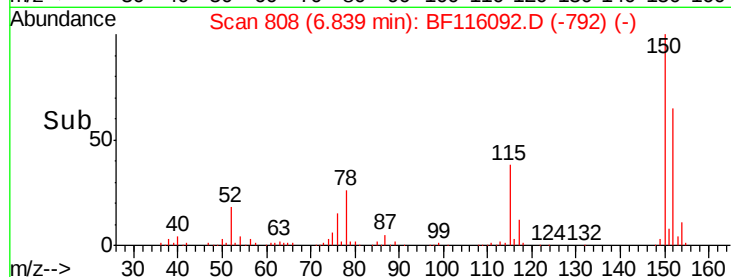
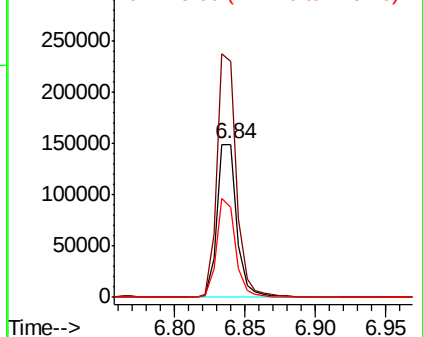
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116092.D
 Acq: 9 Aug 2019 2:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 145891
 Ion Ratio Lower Upper
 152 100
 150 154.6 126.2 189.2
 115 59.2 49.9 74.9

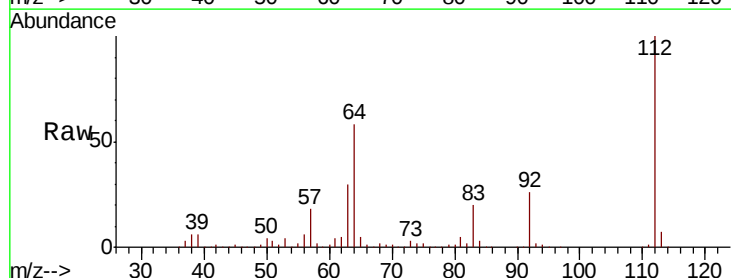


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

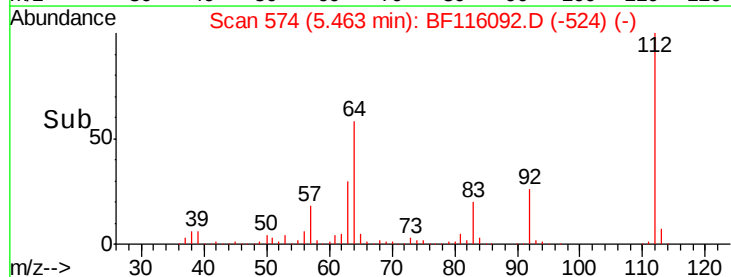
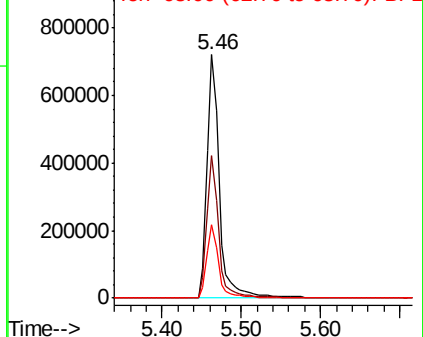


#5
 2-Fluorophenol
 Concen: 91.267 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116092.D
 Acq: 9 Aug 2019 2:31

Tgt Ion:112 Resp: 795376
 Ion Ratio Lower Upper
 112 100
 64 58.4 45.4 68.2
 63 30.4 23.7 35.5



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: 95.555 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

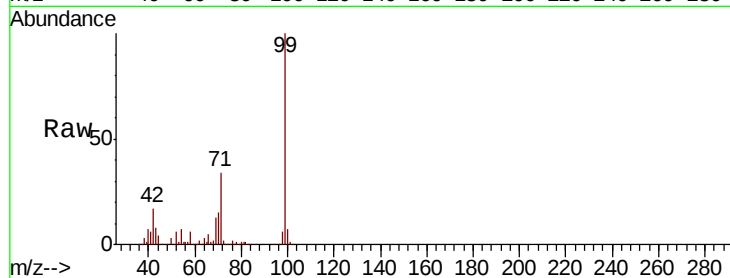
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1050652

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.8	20.8
71	34.5	27.3	40.9

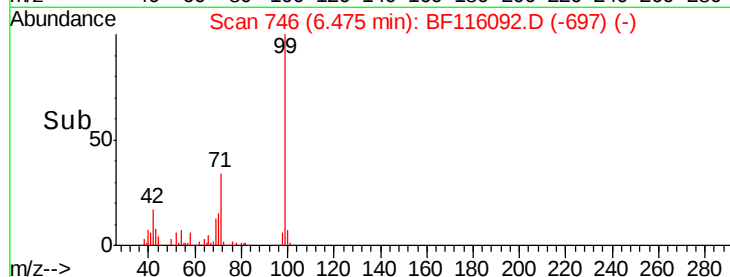
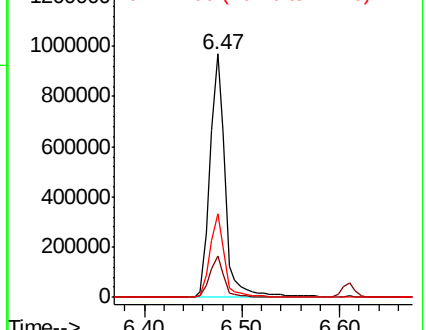


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.866 ng

RT: 7.40 min Scan# 903

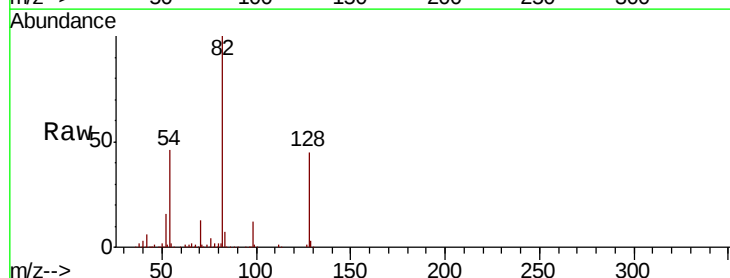
Delta R.T. 0.13 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

Tgt Ion: 70 Resp: 87660

Ion	Ratio	Lower	Upper
70	100		
42	44.3	40.9	61.3
101	0.0	7.9	11.9#
130	2.0	16.9	25.3#



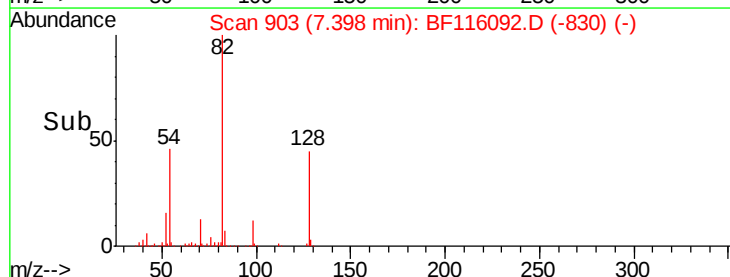
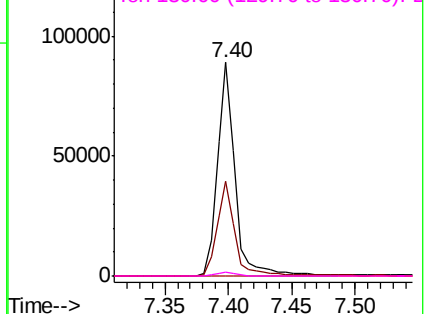
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 581596

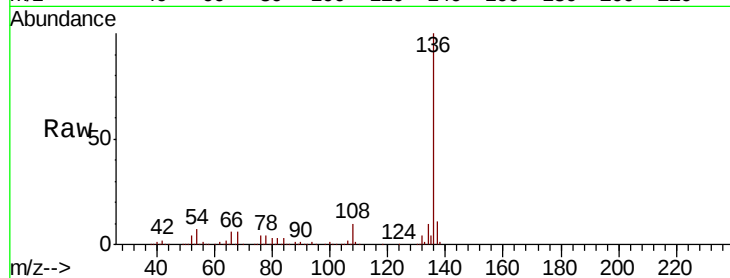
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.2 5.8 8.6

68 6.4 5.2 7.8

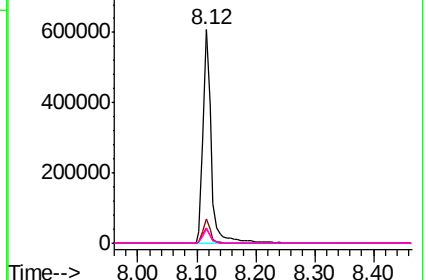
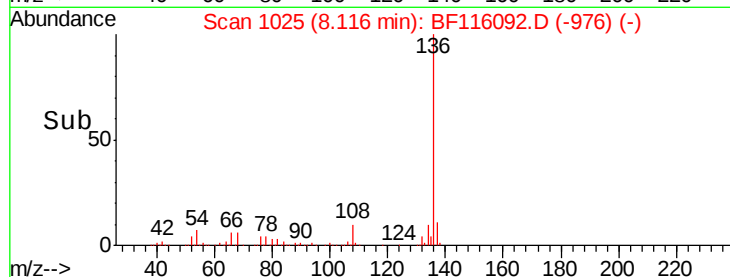


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.346 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

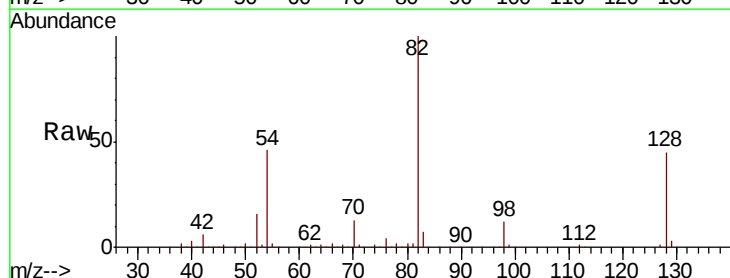
Tgt Ion: 82 Resp: 658402

Ion Ratio Lower Upper

82 100

128 45.3 36.5 54.7

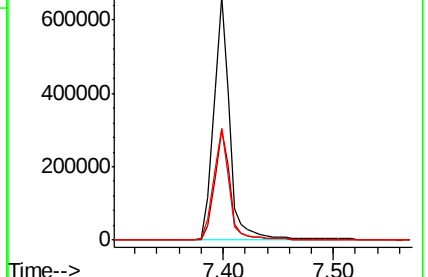
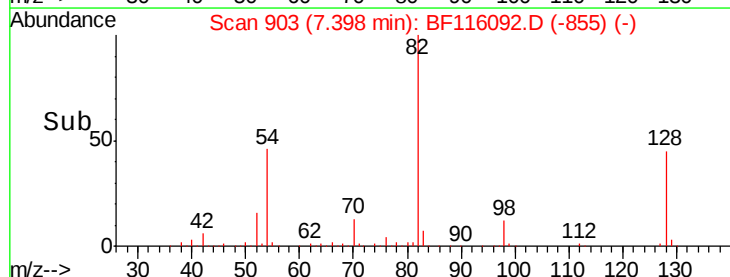
54 45.8 36.0 54.0



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

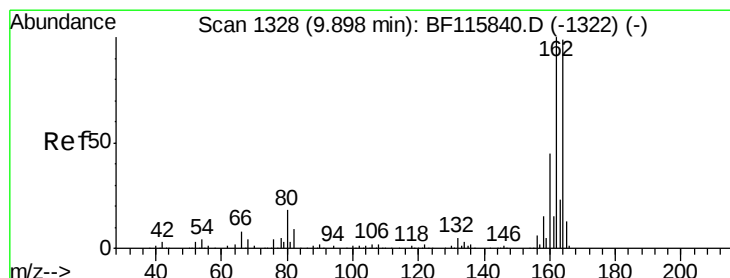
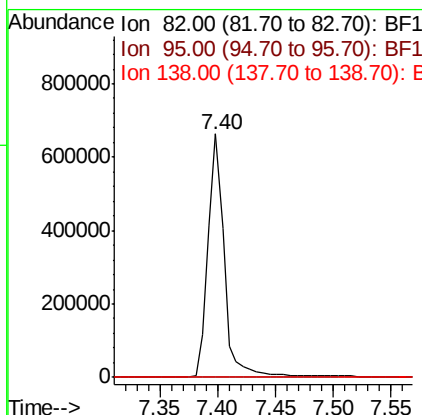
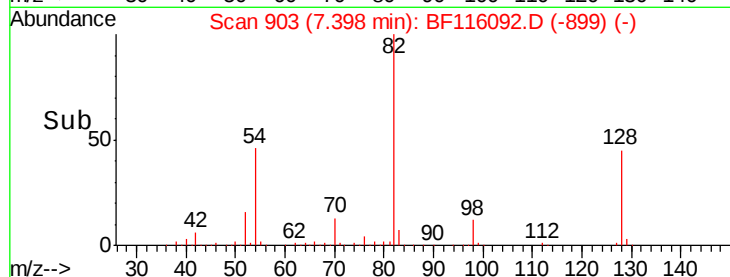
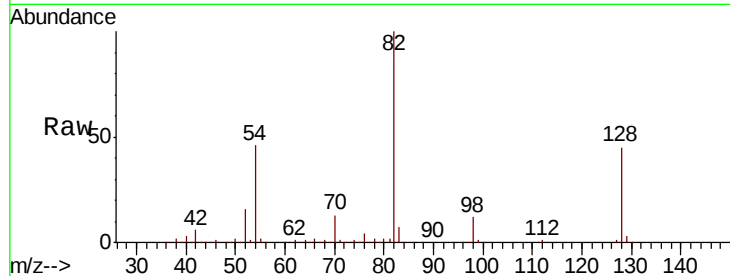




#25
Isophorone
Concen: 34.174 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF116092.D
Acq: 9 Aug 2019 2:31

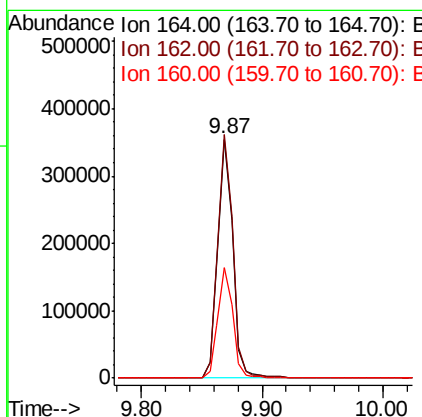
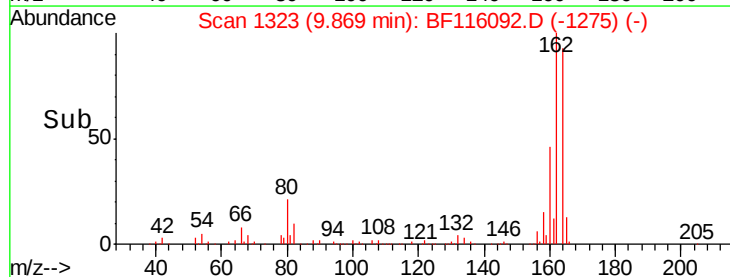
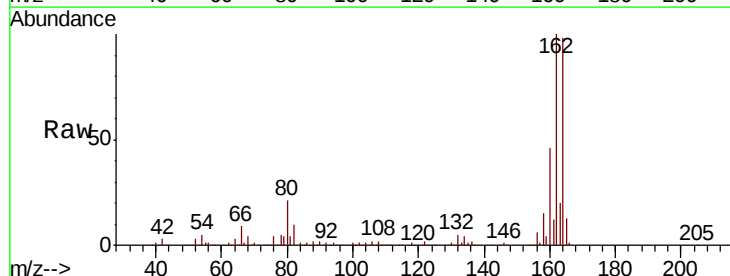
Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 658395
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116092.D
Acq: 9 Aug 2019 2:31

Tgt Ion:164 Resp: 303354
Ion Ratio Lower Upper
164 100
162 101.8 82.6 124.0
160 46.4 37.6 56.4

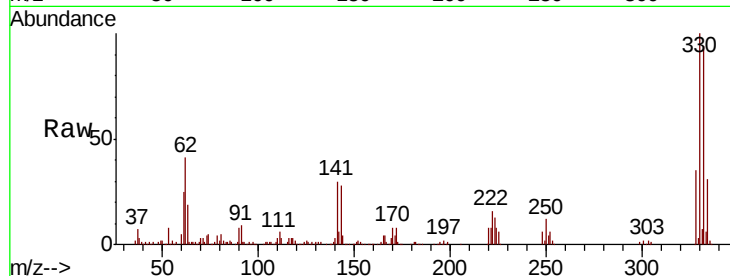




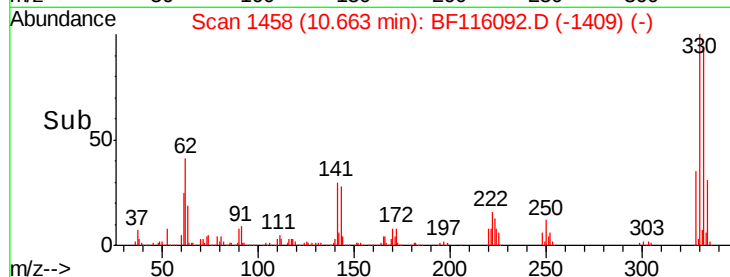
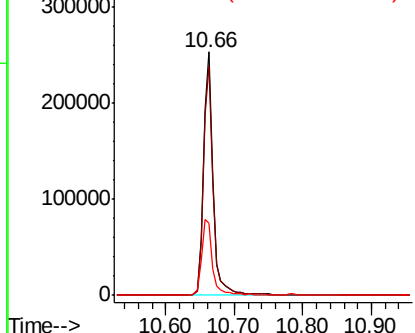
#42
 2,4,6-Tribromophenol
 Concen: 87.838 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116092.D
 Acq: 9 Aug 2019 2:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 258341
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.8 115.2
 141 33.9 26.3 39.5

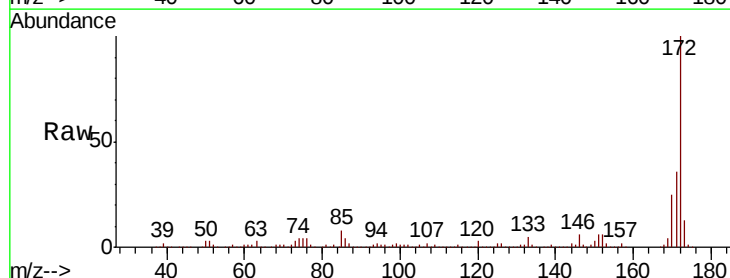


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

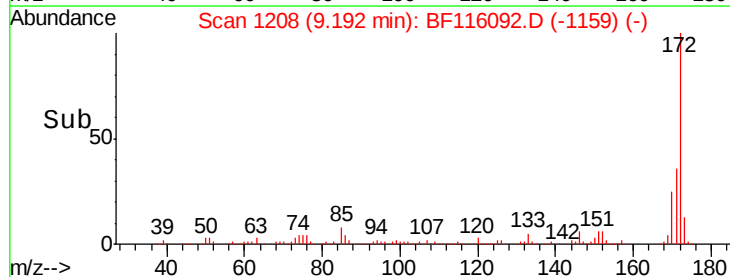
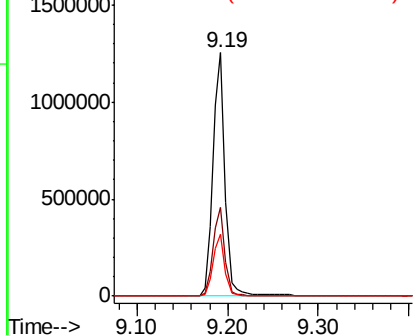


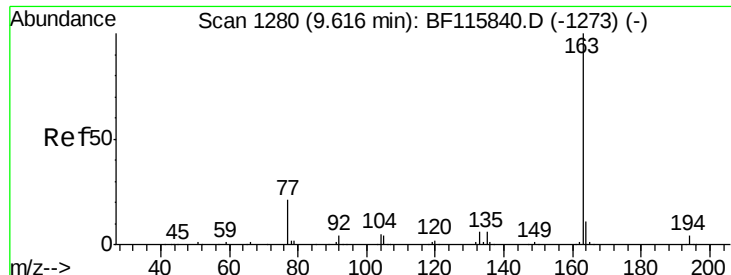
#45
 2-Fluorobiphenyl
 Concen: 73.000 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116092.D
 Acq: 9 Aug 2019 2:31

Tgt Ion:172 Resp: 1182281
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 25.2 20.1 30.1



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

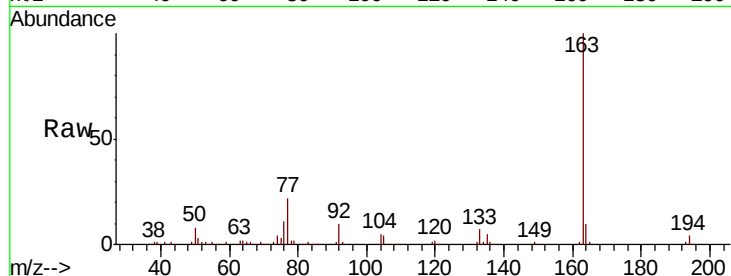




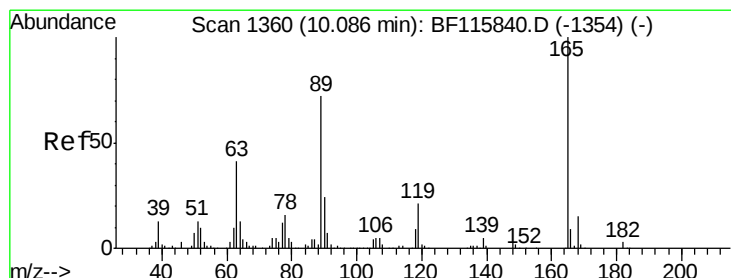
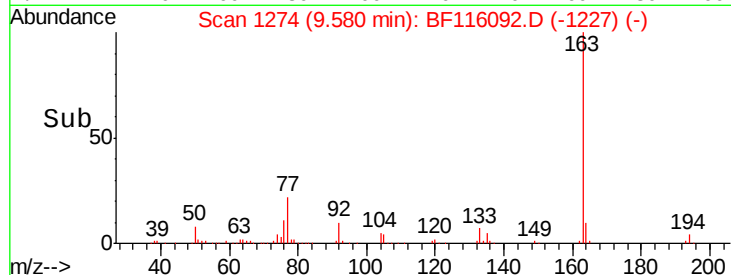
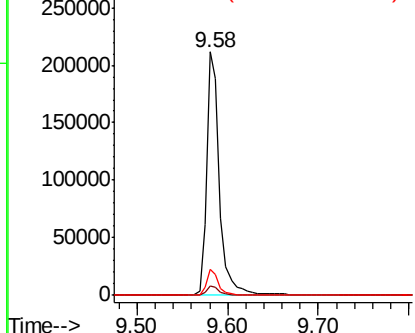
#50
Dimethylphthalate
Concen: 10.293 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF116092.D
Acq: 9 Aug 2019 2:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.5	8.4	12.6

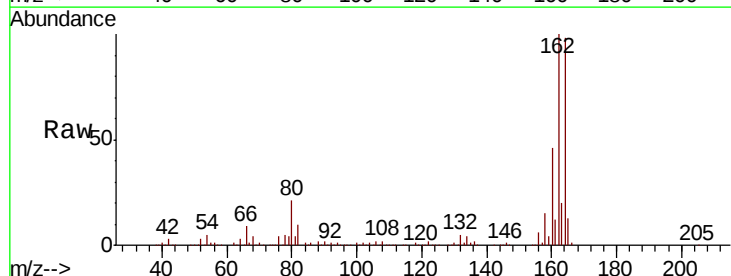


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

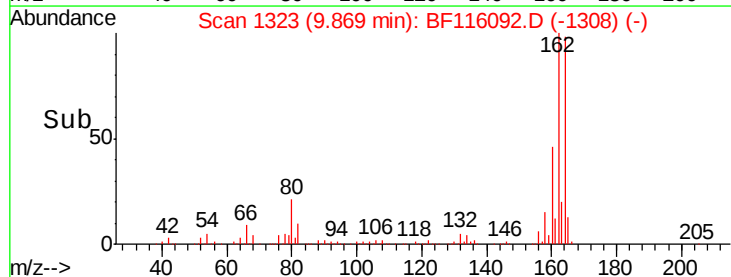
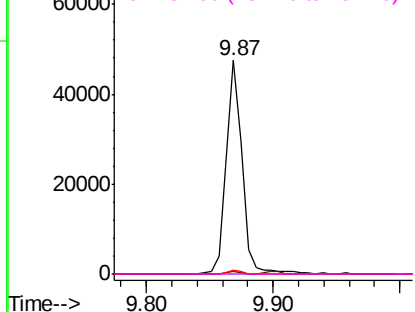


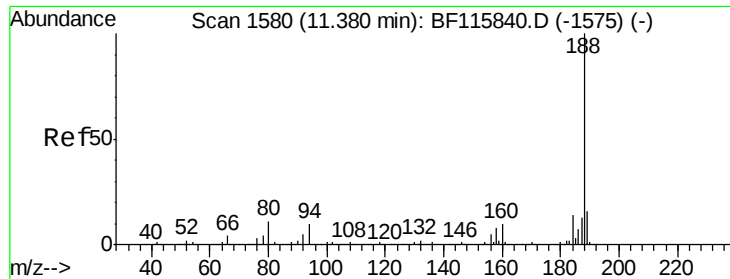
#57
2,4-Dinitrotoluene
Concen: 6.921 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF116092.D
Acq: 9 Aug 2019 2:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.6	59.4#
89	1.8	62.2	93.2#
182	0.0	2.1	3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

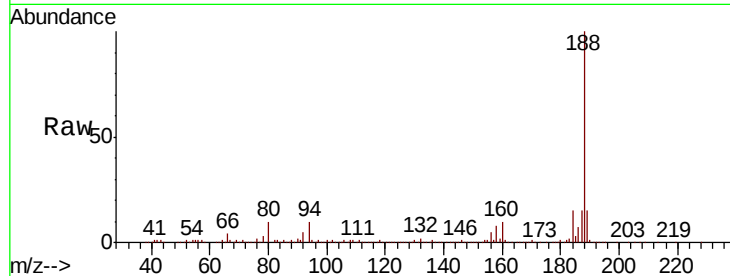
Tot Ion:188 Resp: 477213

Ion Ratio Lower Upper

188 100

94 9.7 8.1 12.1

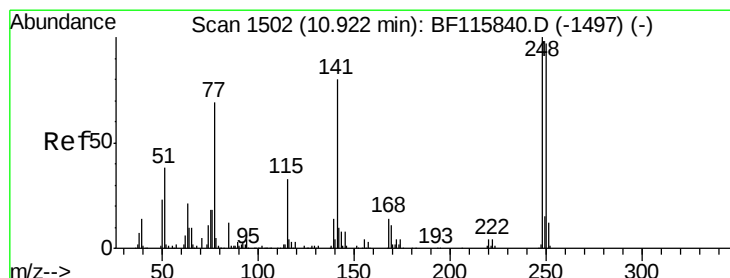
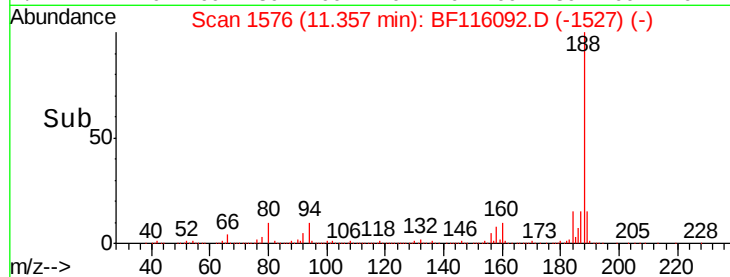
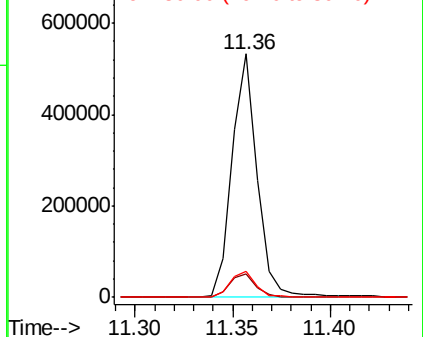
80 10.4 8.7 13.1



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



#67

4-Bromophenyl-phenylether

Concen: 3.127 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

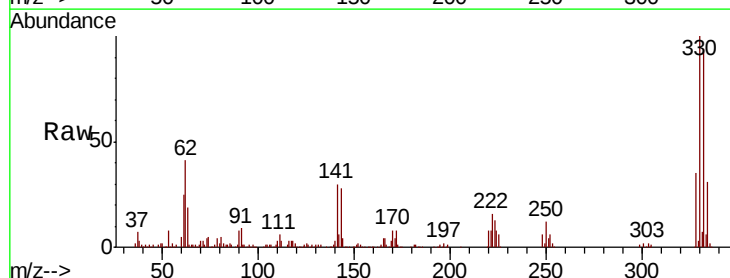
Tgt Ion:248 Resp: 15972

Ion Ratio Lower Upper

248 100

250 199.3 77.4 116.2#

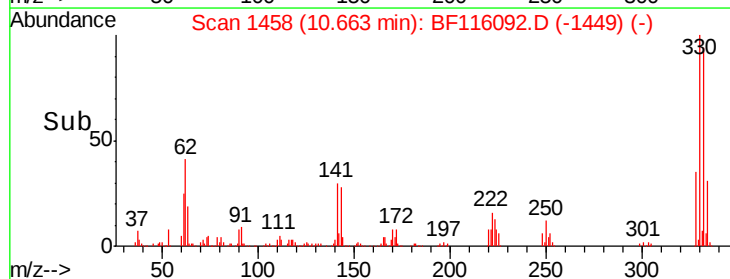
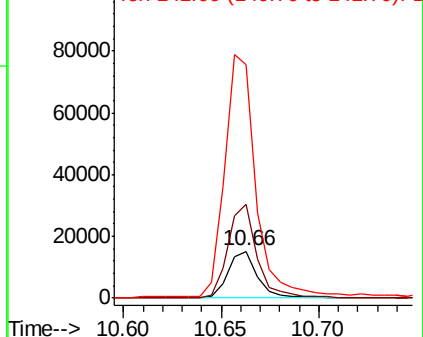
141 498.2 56.8 85.2#

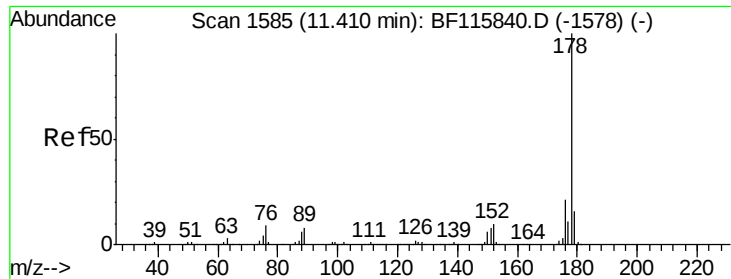


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

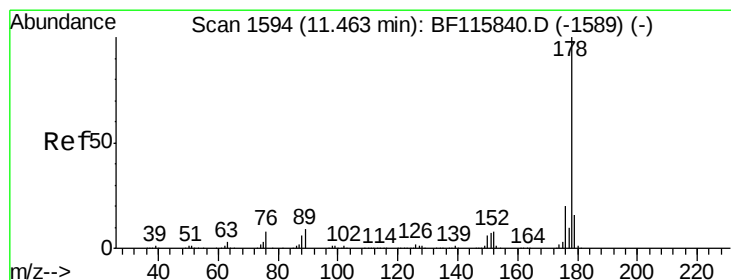
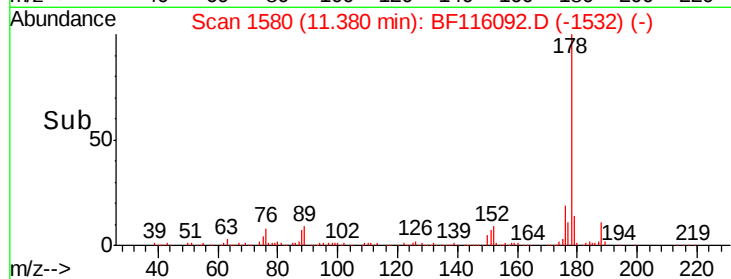
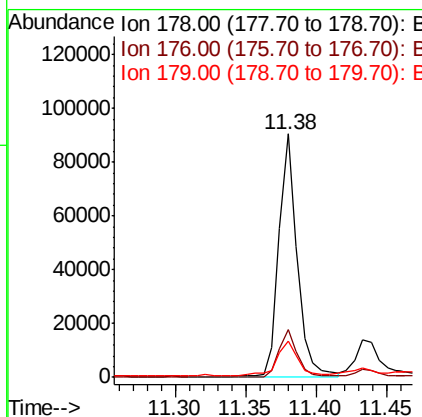
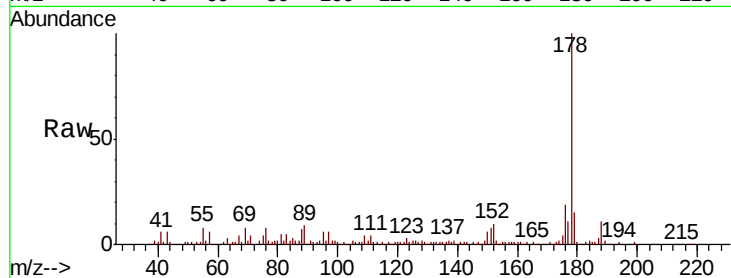




#71
 Phenanthrene
 Concen: 3.417 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116092.D
 Acq: 9 Aug 2019 2:31

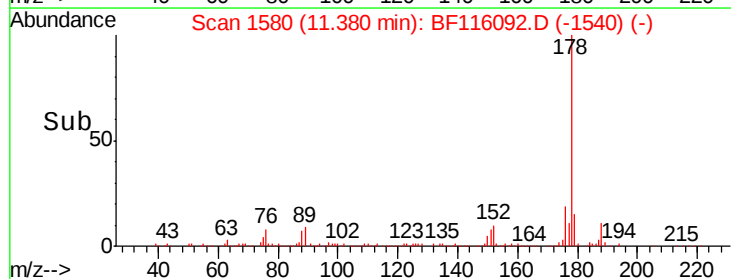
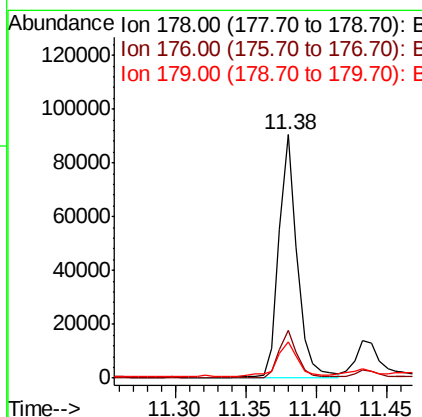
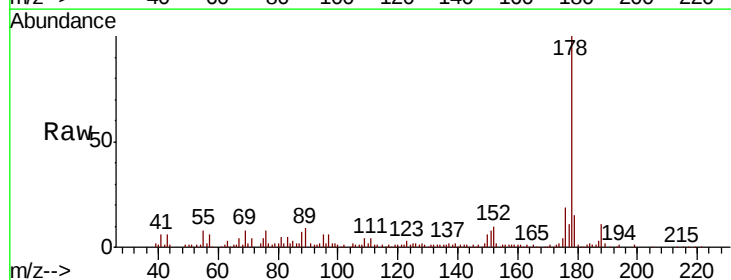
Instrument :
 BNA_F
 ClientSampleId :

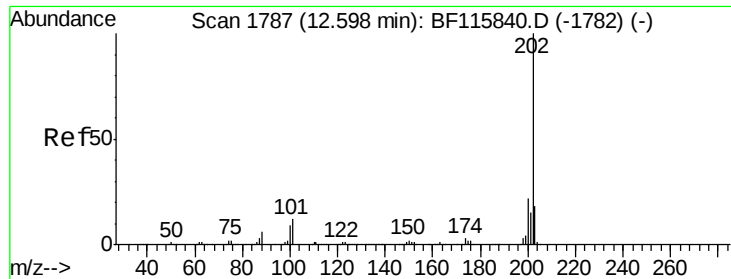
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	24.8
179	15.1	12.5	18.7



#72
 Anthracene
 Concen: 3.376 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.06 min
 Lab File: BF116092.D
 Acq: 9 Aug 2019 2:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.1	13.0	19.6





#75

Fluoranthene

Concen: 5.606 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

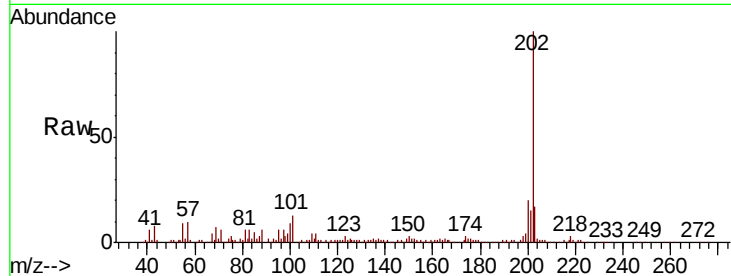
Tot Ion:202 Resp: 143189

Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.2

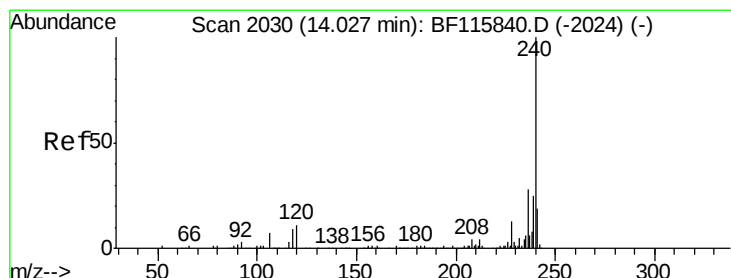
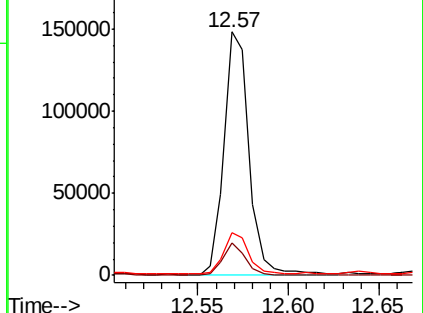
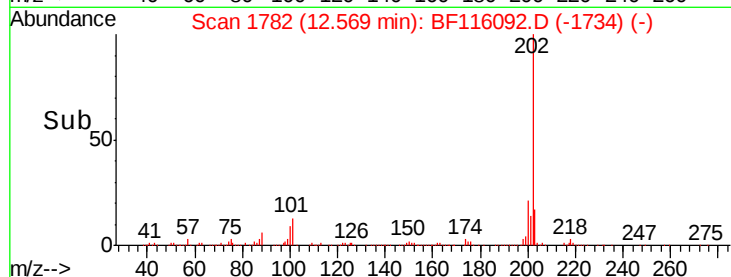
203 17.4 0.0 37.8



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. -0.01 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

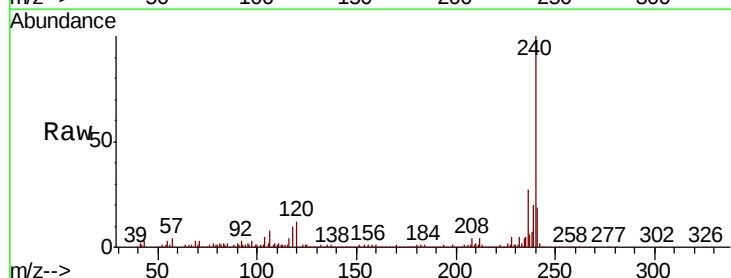
Tgt Ion:240 Resp: 300487

Ion Ratio Lower Upper

240 100

120 11.8 10.7 16.1

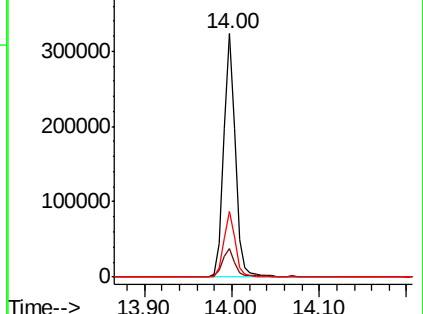
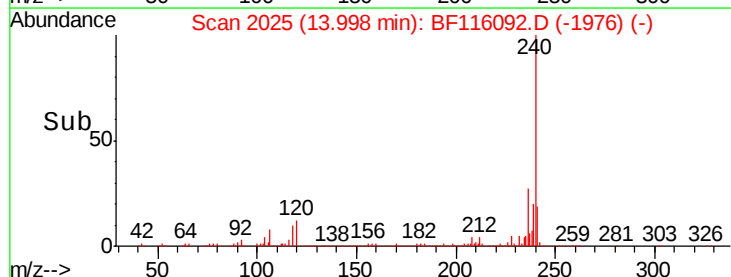
236 27.0 22.2 33.2

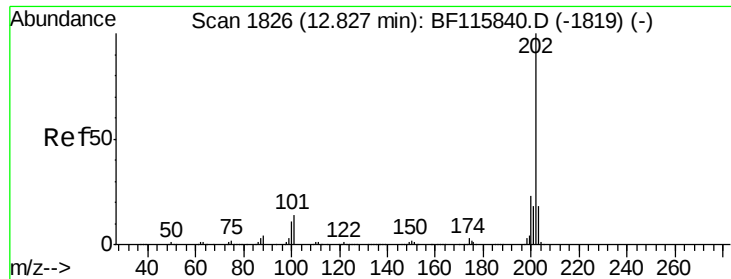


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

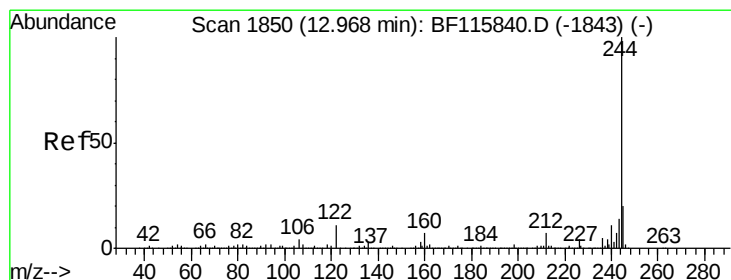
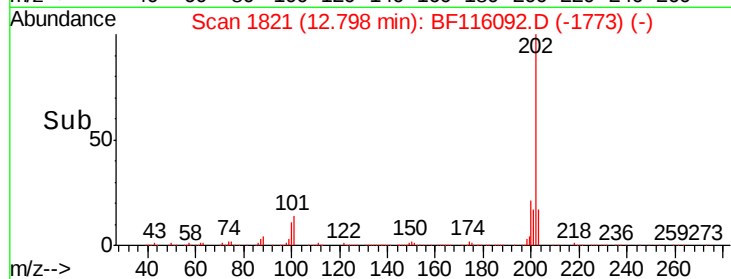
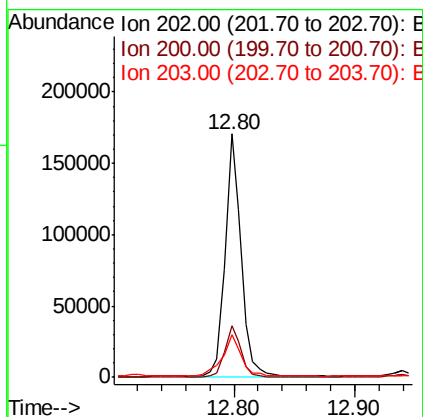
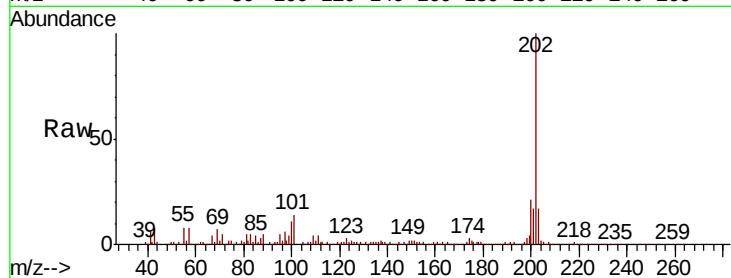




#78
Pvrene
Concen: 6.860 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF116092.D
Acq: 9 Aug 2019 2:31

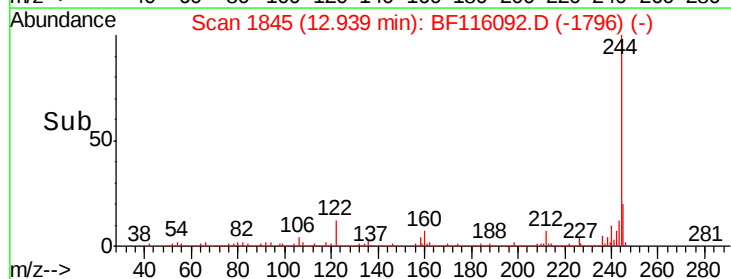
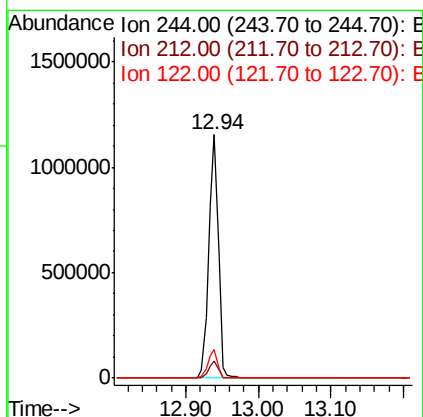
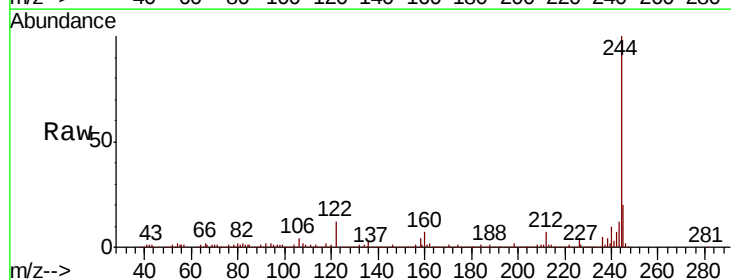
Instrument :
BNA_F
ClientSampleId :

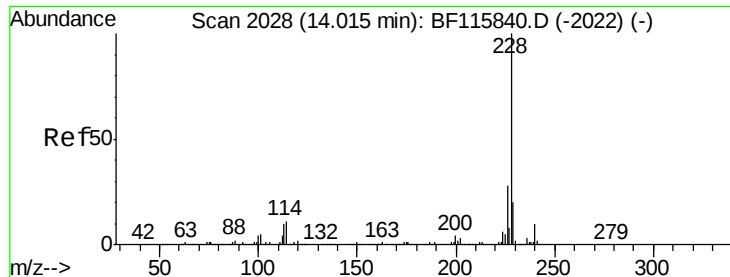
Tot Ion:202 Resp: 155391
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 17.3 14.1 21.1



#79
Terphenyl-d14
Concen: 73.917 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116092.D
Acq: 9 Aug 2019 2:31

Tgt Ion:244 Resp: 1054073
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 11.7 9.0 13.4





#81

Benzo(a)anthracene

Concen: 2.715 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

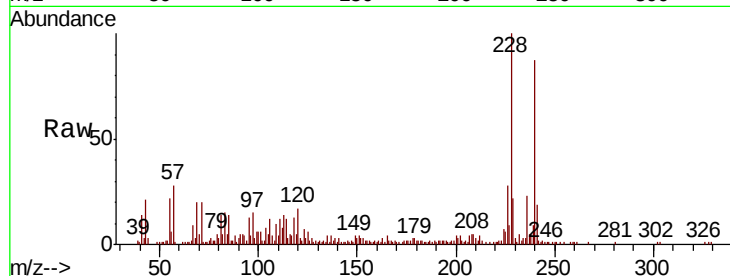
Tot Ion:228 Resp: 52141

Ion Ratio Lower Upper

228 100

226 28.2 22.7 34.1

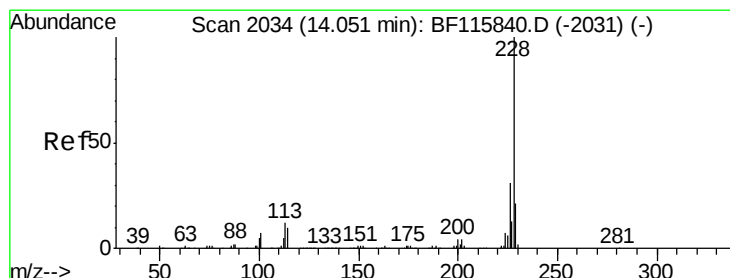
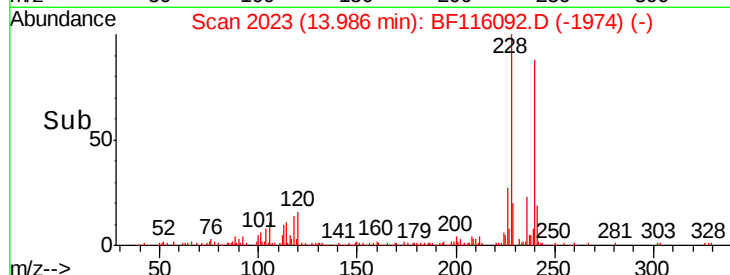
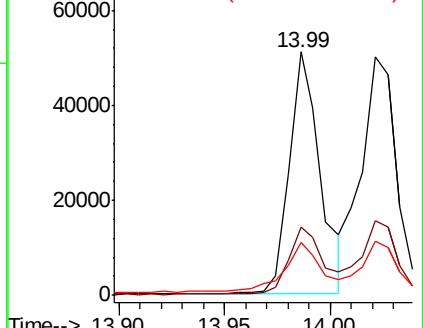
229 21.6 16.2 24.4



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: 3.137 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

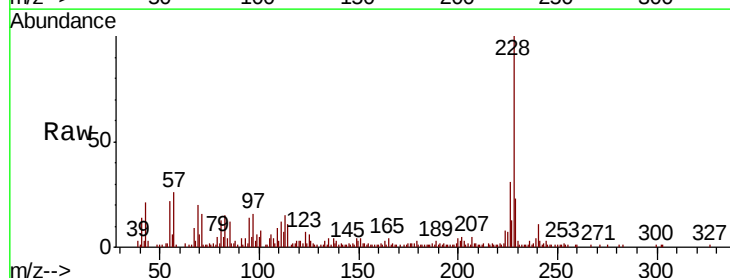
Tgt Ion:228 Resp: 58492

Ion Ratio Lower Upper

228 100

226 31.3 25.5 38.3

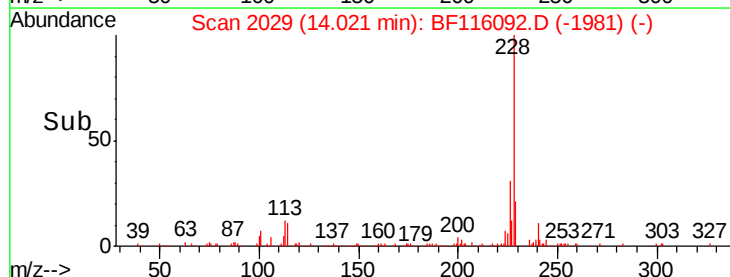
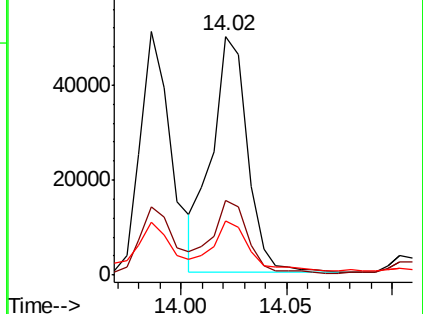
229 22.8 16.6 24.8

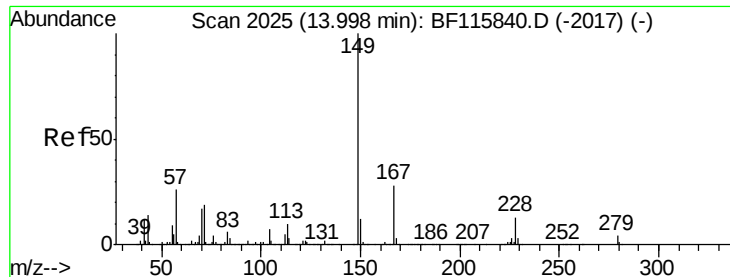


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.164 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

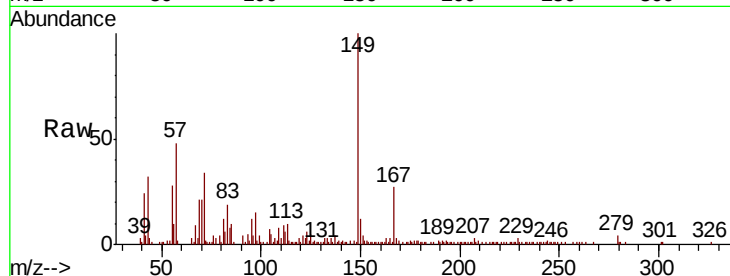
Tot Ion:149 Resp: 51847

Ion Ratio Lower Upper

149 100

167 27.0 21.6 32.4

279 3.5 3.0 4.4

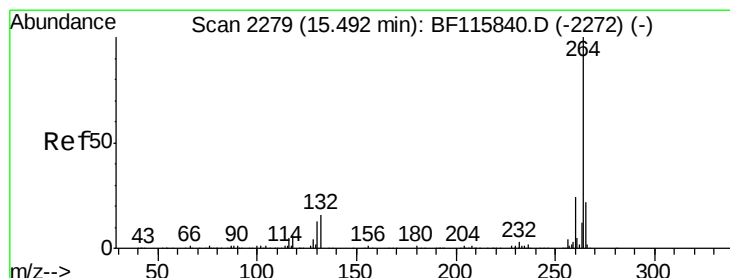
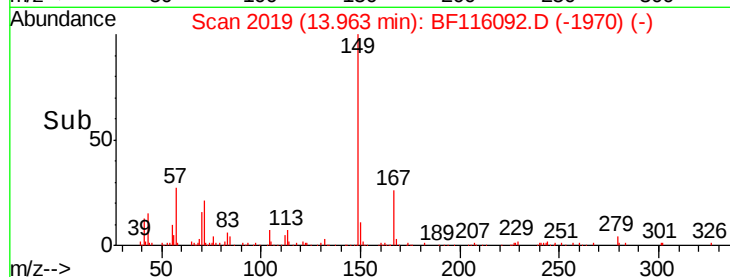
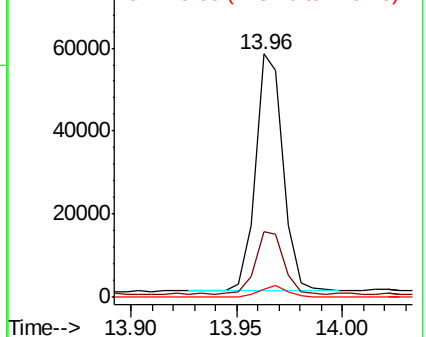


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF116092.D

Acq: 9 Aug 2019 2:31

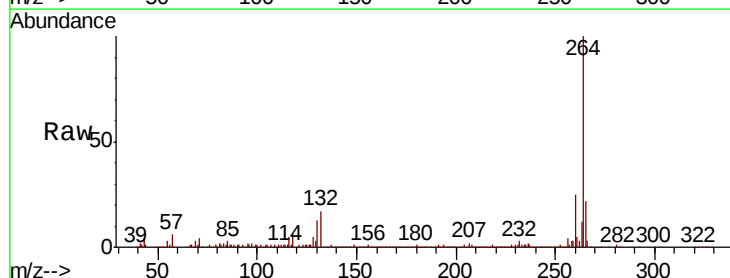
Tgt Ion:264 Resp: 332511

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

265 22.2 17.4 26.0

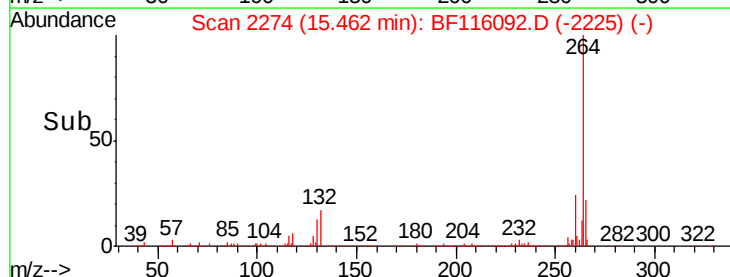
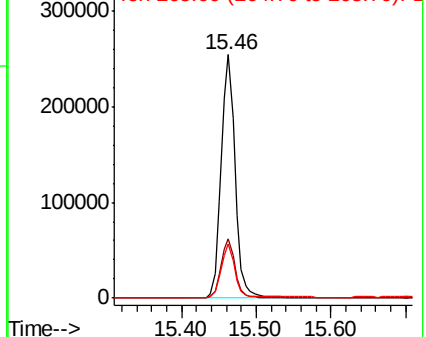


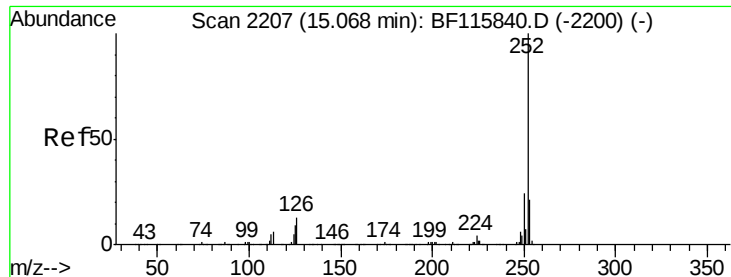
Abundance

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

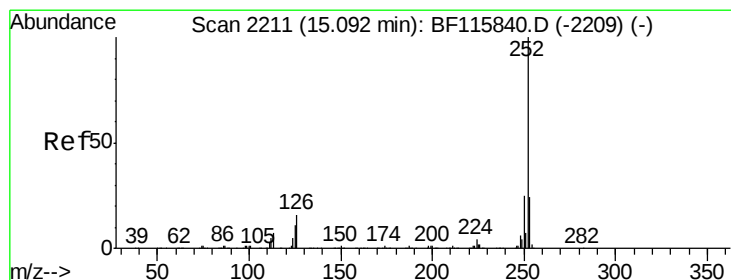
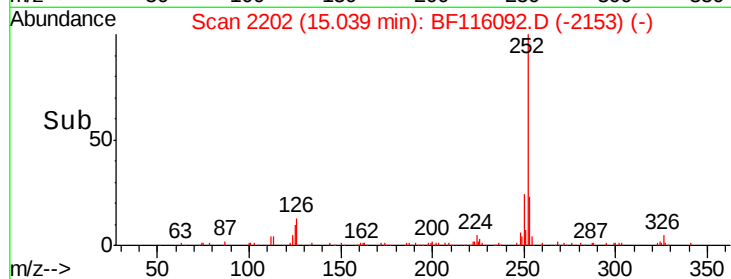
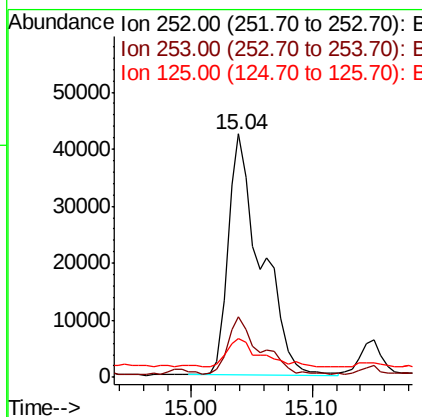
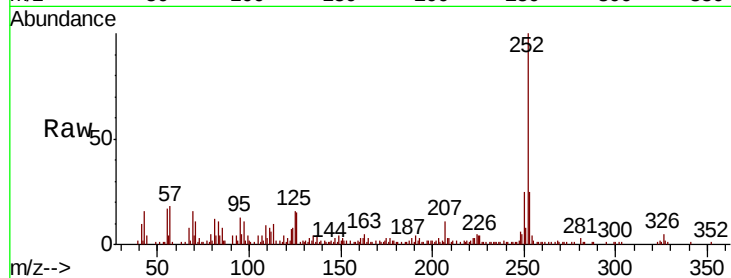




#88
Benzo(b)fluoranthene
Concen: 4.134 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116092.D
Acq: 9 Aug 2019 2:31

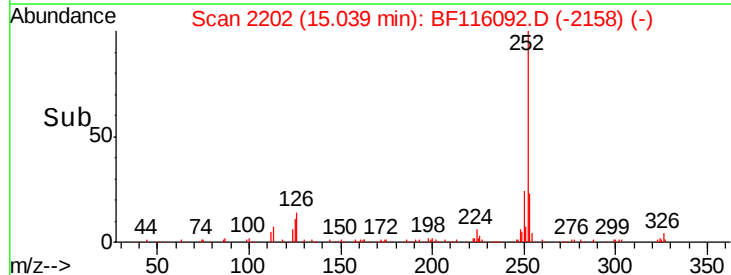
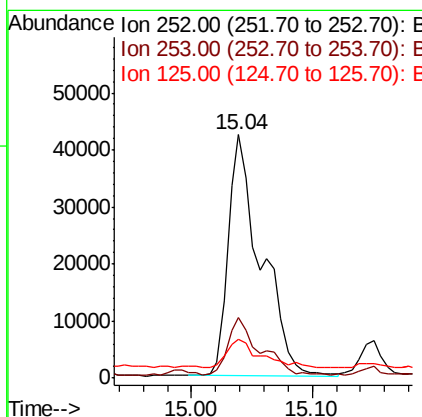
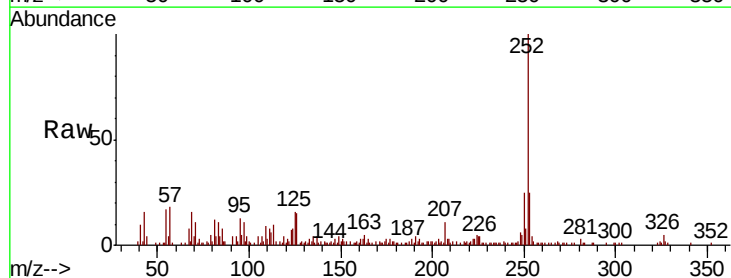
Instrument :
BNA_F
ClientSampled :

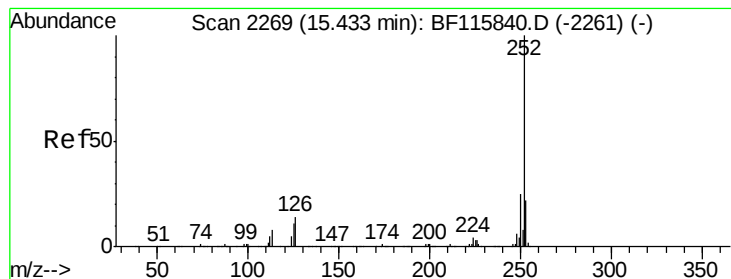
Tot Ion:252 Resp: 79489
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 16.0 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 4.245 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF116092.D
Acq: 9 Aug 2019 2:31

Tgt Ion:252 Resp: 79489
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 16.0 7.7 11.5#





#90
 Benzo(a)pyrene
 Concen: 2.001 ng
 RT: 15.40 min Scan# 2264
 Delta R.T. -0.01 min
 Lab File: BF116092.D
 Acq: 9 Aug 2019 2:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	15.9	8.9	13.3

