

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116844.D
 Acq On : 5 Sep 2019 18:01
 Operator : HP/JU
 Sample : K4695-06 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 03:55:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	97753	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	403693	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	209281	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	313341	20.00	ng	0.00
76) Chrysene-d12	14.00	240	230688	20.00	ng	0.00
87) Perylene-d12	15.46	264	194890	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	212569	35.23	ng	0.00
7) Phenol-d6	6.47	99	292017	36.86	ng	0.00
23) Nitrobenzene-d5	7.40	82	176271	24.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	55877	39.94	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	324900	26.19	ng	-0.01
79) Terphenyl-d14	12.95	244	274230	21.99	ng	0.00

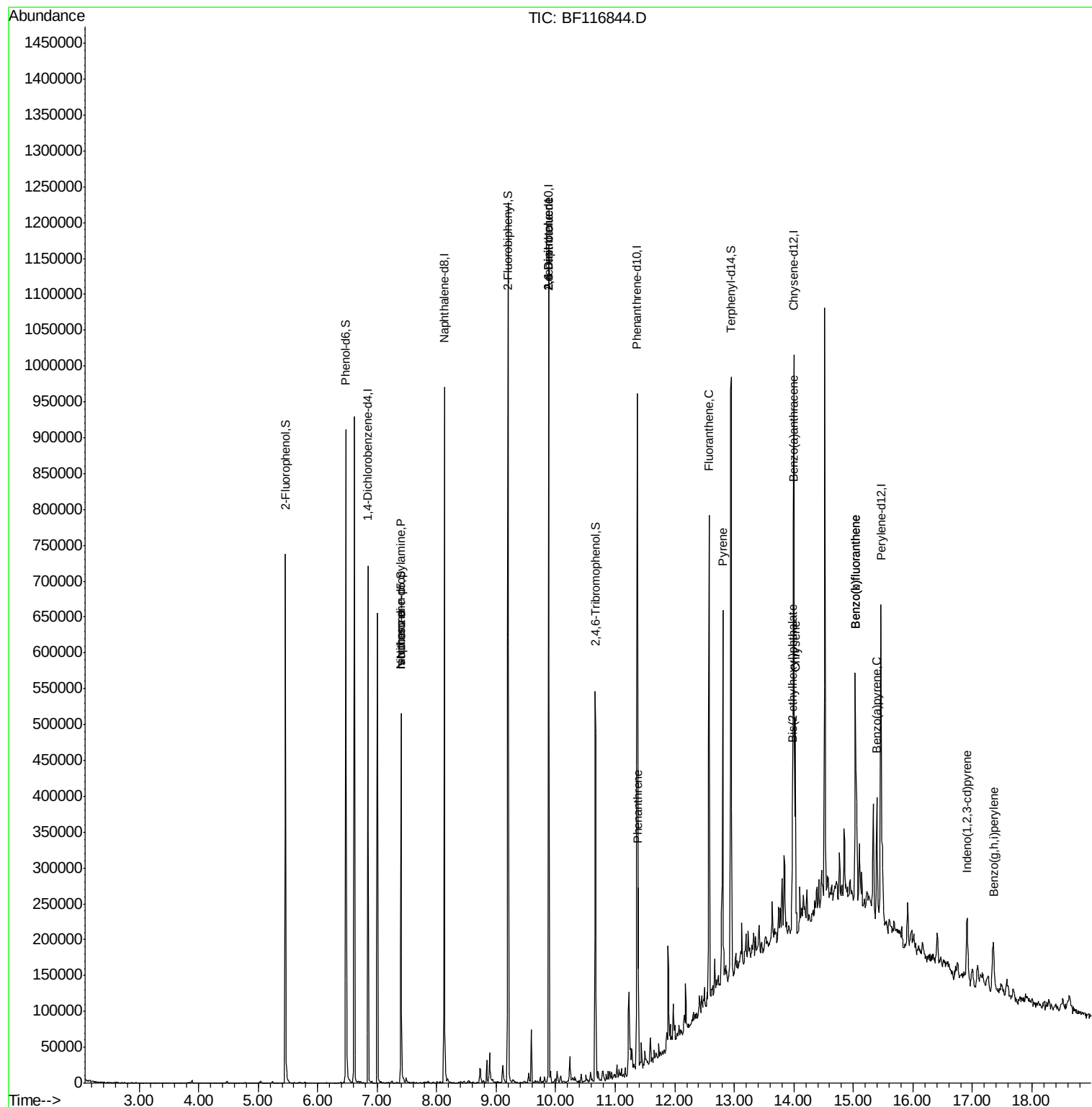
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	23590	4.522	ng	# 73
25) Isophorone	7.40	82	176269	12.301	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	27184	9.861	ng	# 20
57) 2,4-Dinitrotoluene	9.88	165	27184	8.065	ng	# 21
71) Phenanthrene	11.39	178	80619	4.622	ng	99
75) Fluoranthene	12.57	202	242708	14.159	ng	98
78) Pyrene	12.80	202	199662	9.736	ng	99
81) Benzo(a)anthracene	13.99	228	99136	6.790	ng	97
83) Chrysene	14.02	228	116133	7.721	ng	95
84) Bis(2-ethylhexyl)phthalate	13.97	149	39473	3.207	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	54583	4.518	ng	96
88) Benzo(b)fluoranthene	15.03	252	197103	16.728	ng	# 95
89) Benzo(k)fluoranthene	15.03	252	197103	18.347	ng	# 95
90) Benzo(a)pyrene	15.40	252	77162	7.527	ng	98
92) Benzo(a,h,i)perylene	17.35	276	51071	5.581	ng	# 92

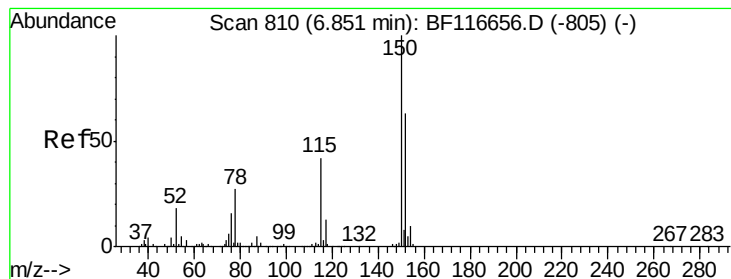
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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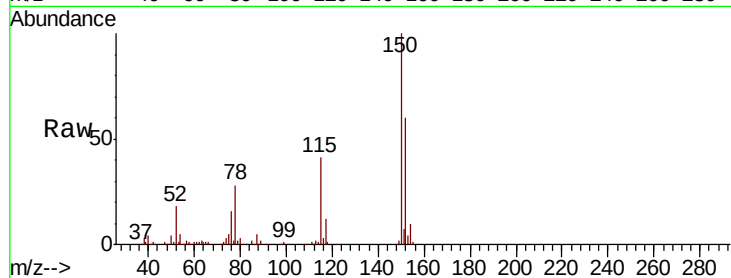


#1

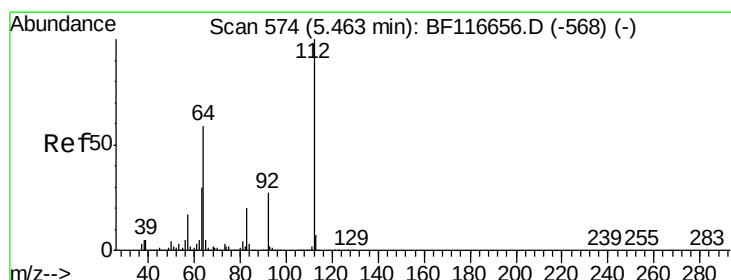
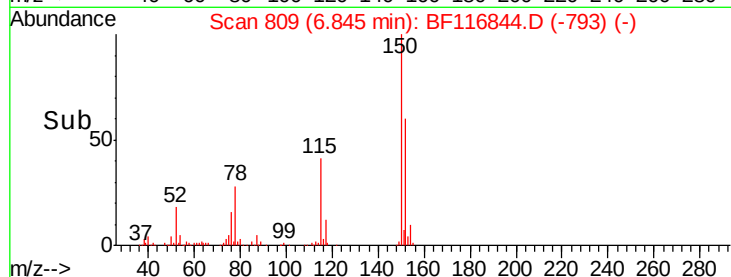
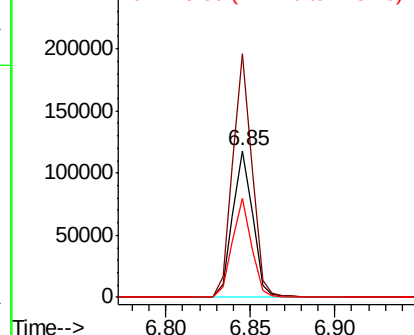
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97753
Ion Ratio Lower Upper
152 100
150 165.9 124.4 186.6
115 67.8 49.9 74.9



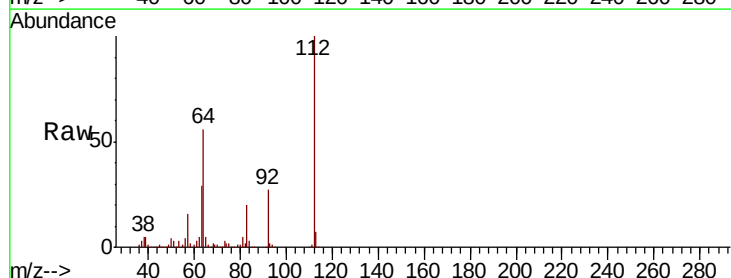
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



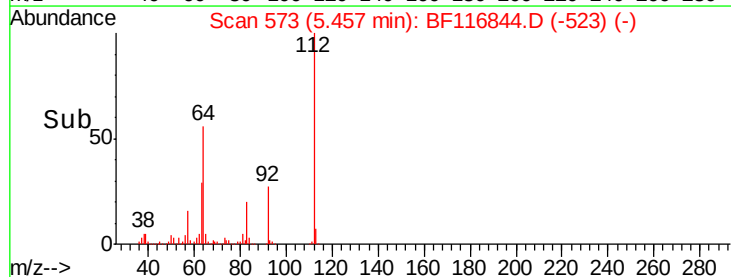
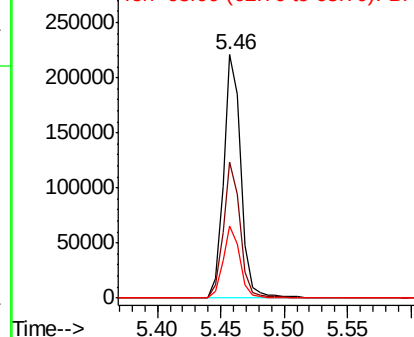
#5

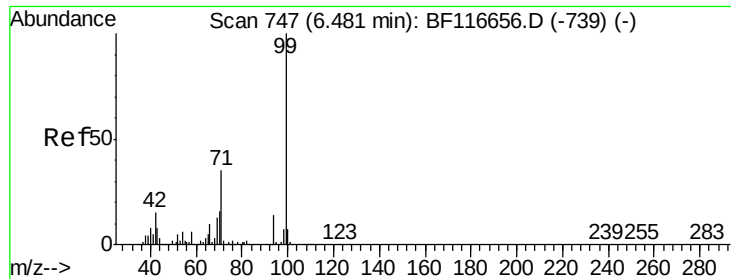
2-Fluorophenol
Concen: 35.229 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Tgt Ion:112 Resp: 212569
Ion Ratio Lower Upper
112 100
64 55.8 47.1 70.7
63 29.5 24.9 37.3



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: 36.856 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampleId :

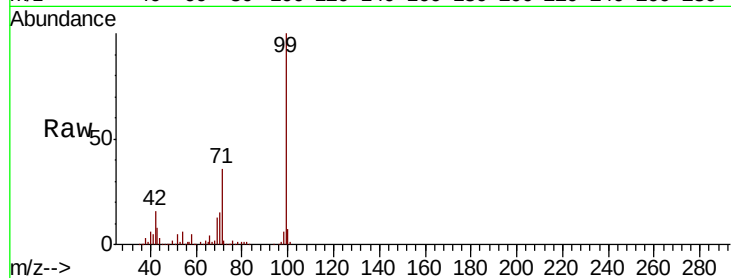
Tot Ion: 99 Resp: 292017

Ion Ratio Lower Upper

99 100

42 15.5 13.7 20.5

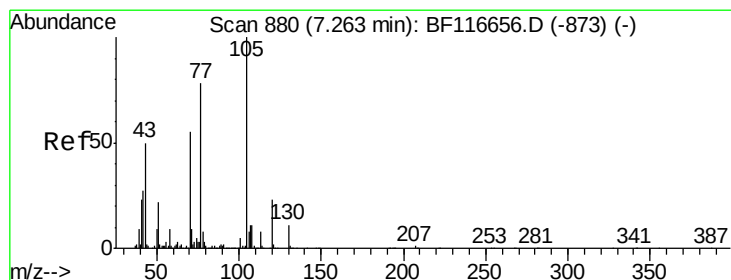
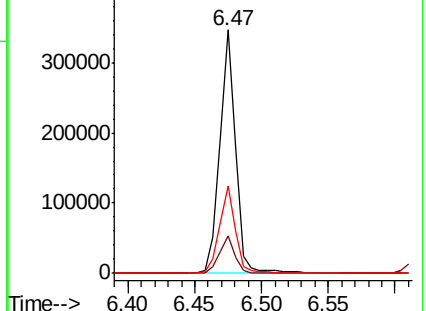
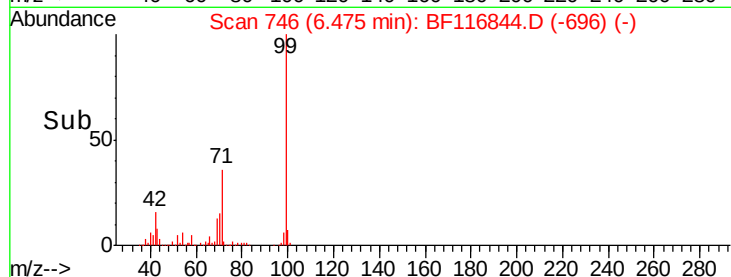
71 36.0 30.8 46.2



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: 4.522 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Tgt Ion: 70 Resp: 23590

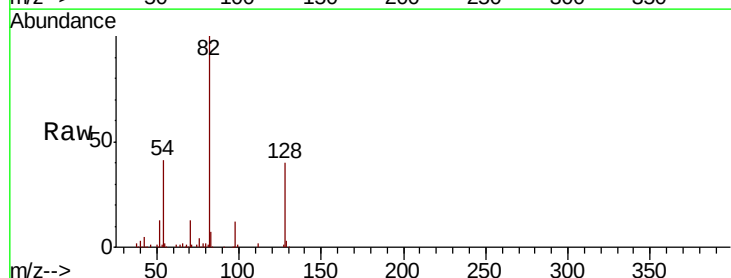
Ion Ratio Lower Upper

70 100

42 38.4 43.5 65.3#

101 0.0 7.8 11.6#

130 1.5 16.6 24.8#

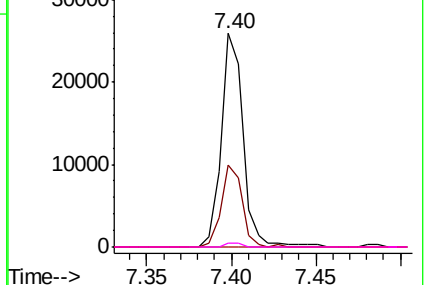
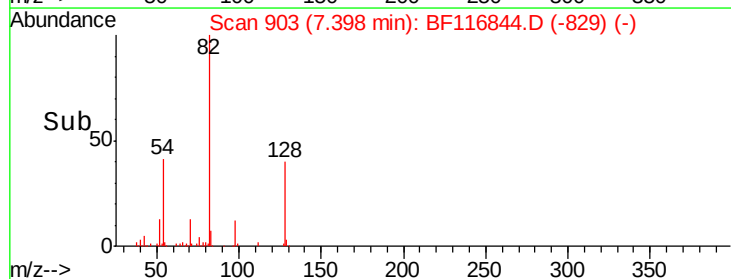


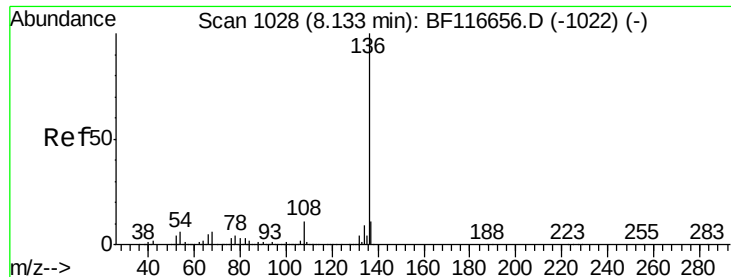
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

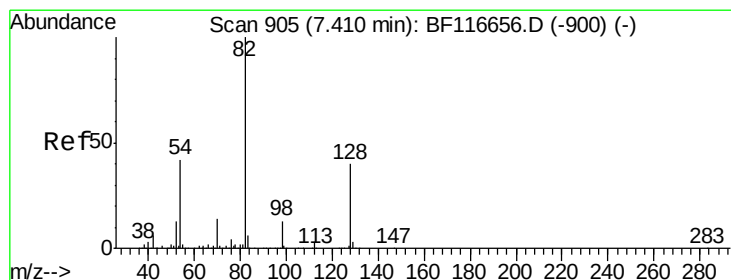
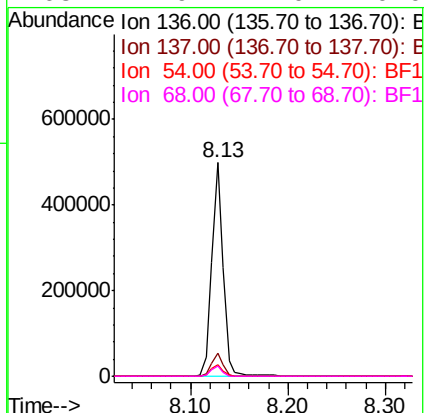
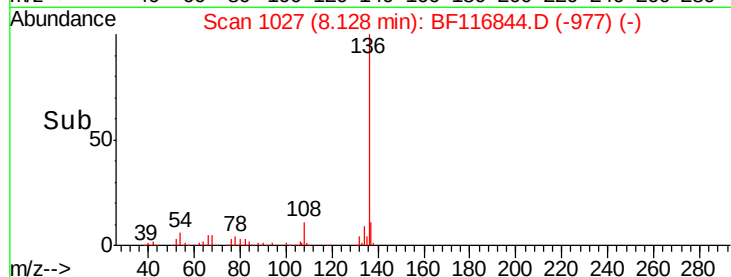
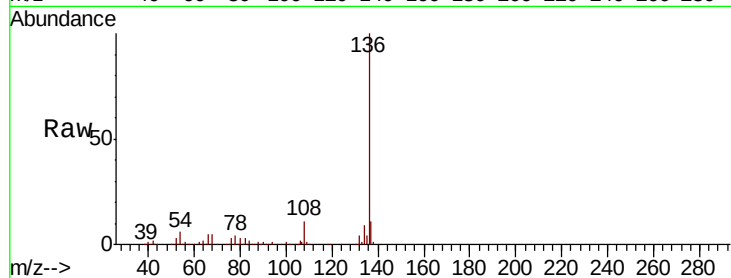




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

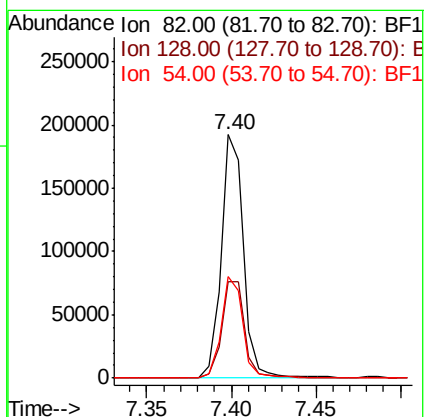
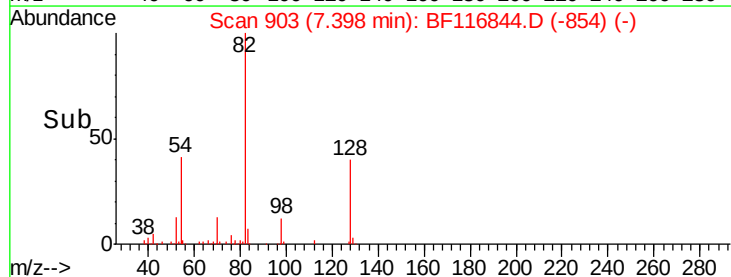
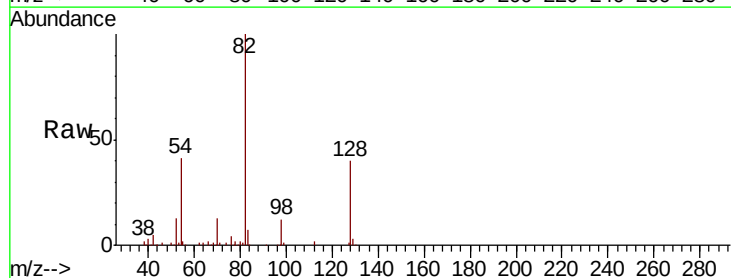
Instrument :
BNA_F
ClientSampleId :

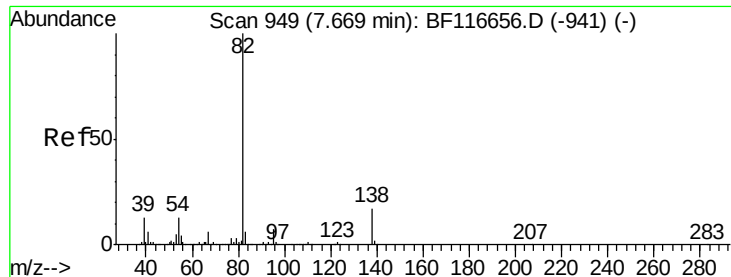
Tot Ion:136	Resp:	403693
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	5.5	4.8 7.2
68	4.9	4.0 6.0



#23
Nitrobenzene-d5
Concen: 24.927 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Tgt Ion: 82	Resp:	176271
Ion Ratio	Lower	Upper
82	100	
128	39.8	32.8 49.2
54	41.5	36.9 55.3





#25

Isophorone

Concen: 12.301 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampleId :

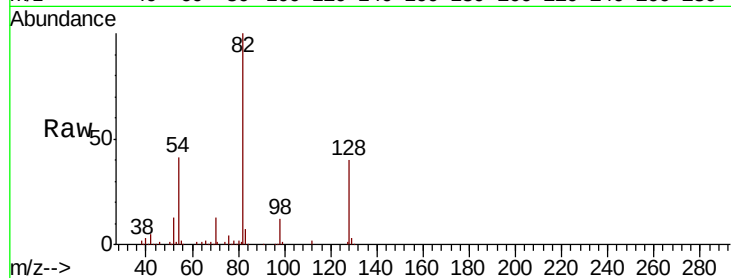
Tot Ion: 82 Resp: 176269

Ion Ratio Lower Upper

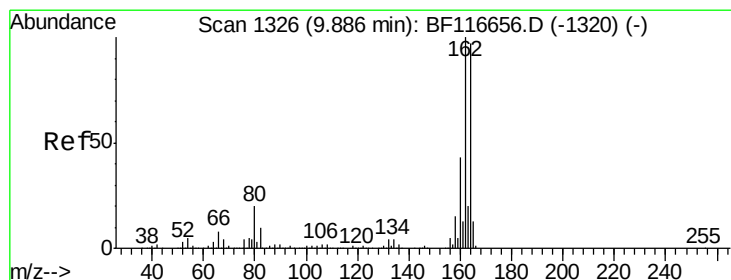
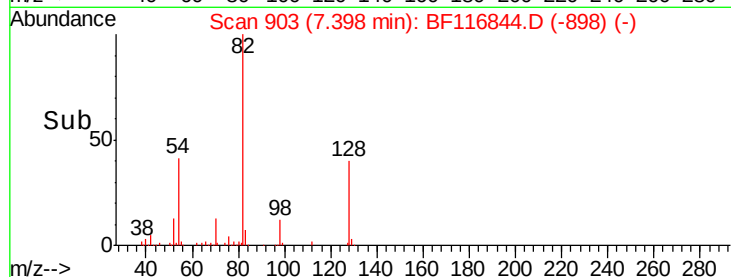
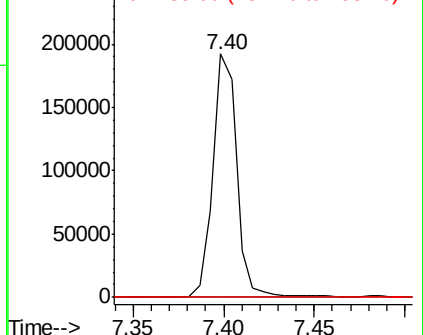
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

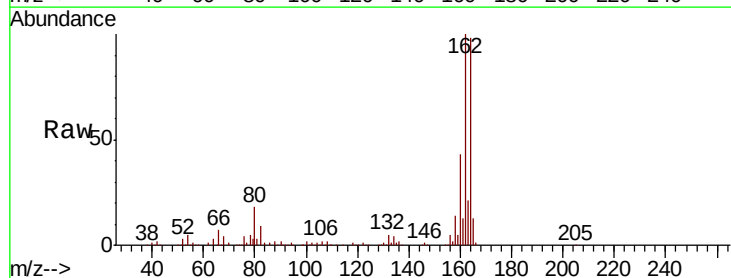
Tgt Ion:164 Resp: 209281

Ion Ratio Lower Upper

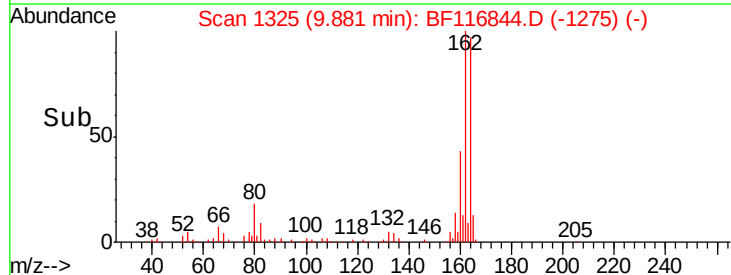
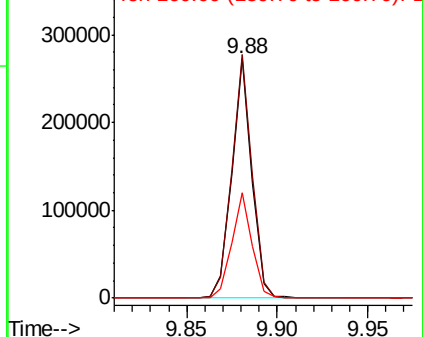
164 100

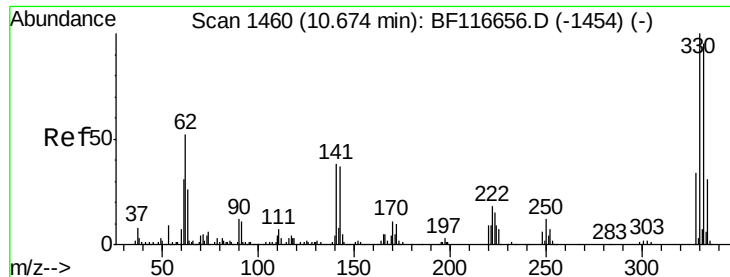
162 101.8 81.4 122.0

160 44.1 35.4 53.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 39.938 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampleId :

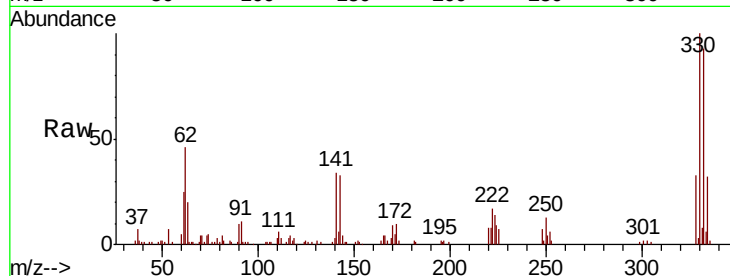
Tot Ion:330 Resp: 55877

Ion Ratio Lower Upper

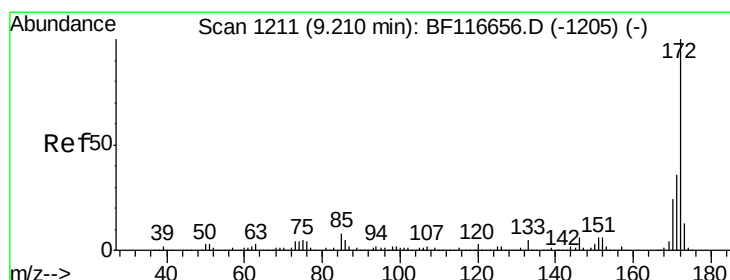
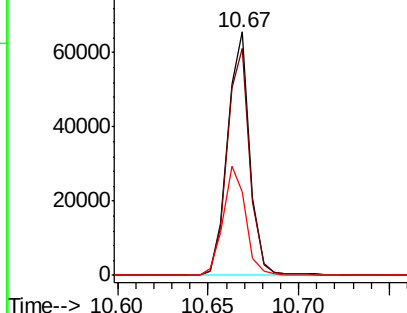
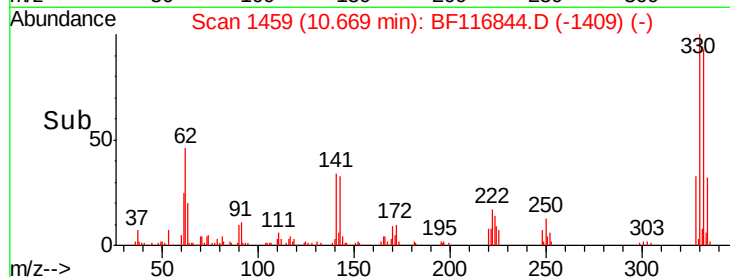
330 100

332 95.2 76.9 115.3

141 44.8 31.4 47.2



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: 26.188 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

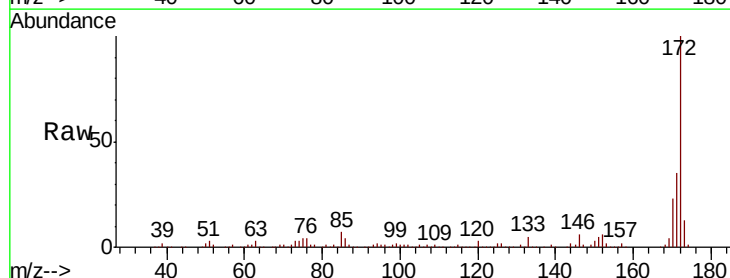
Tgt Ion:172 Resp: 324900

Ion Ratio Lower Upper

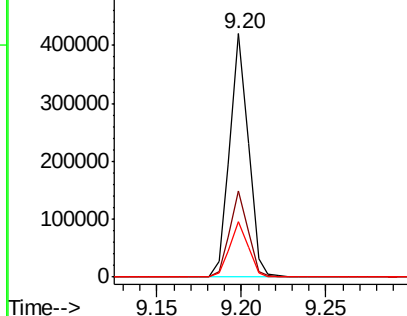
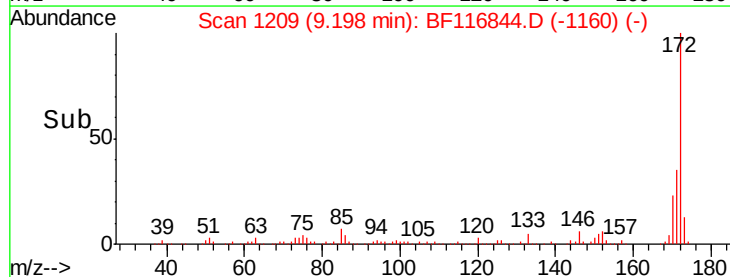
172 100

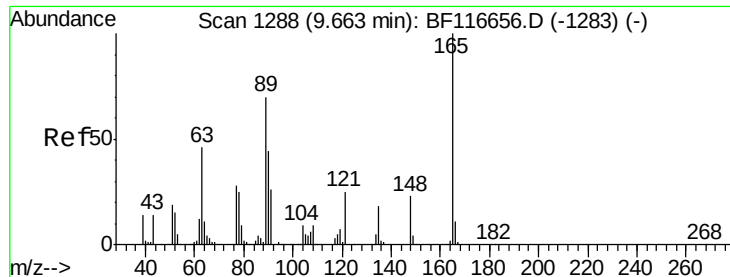
171 35.4 27.8 41.6

170 23.0 18.9 28.3



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

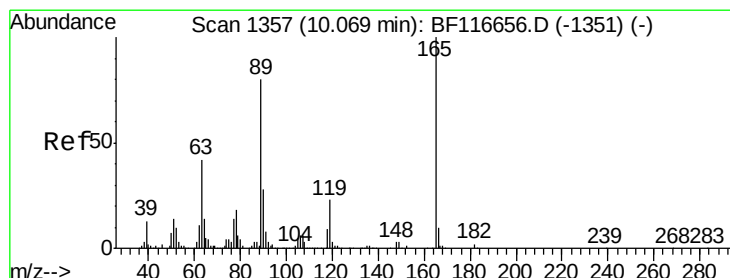
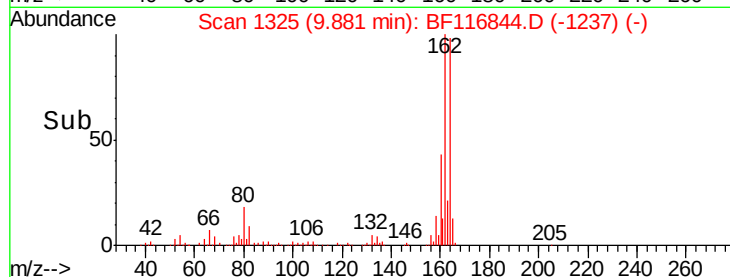
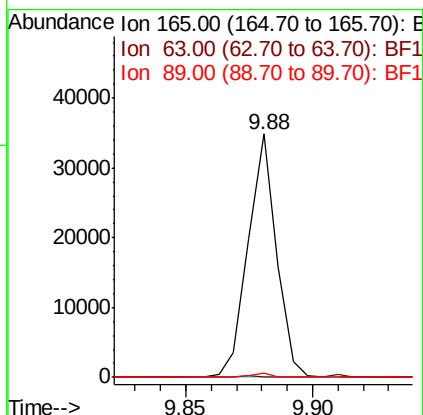
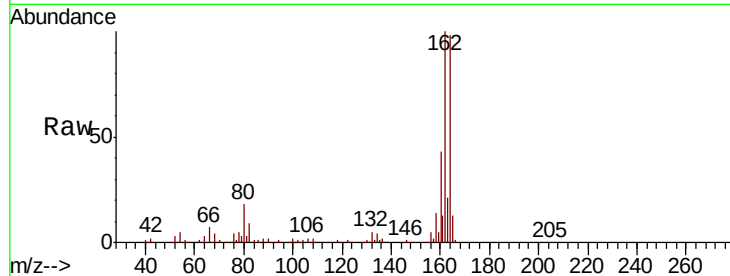




#51
 2,6-Dinitrotoluene
 Concen: 9.861 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116844.D
 Acq: 5 Sep 2019 18:01

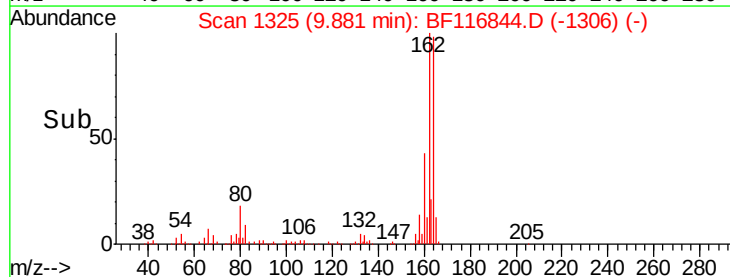
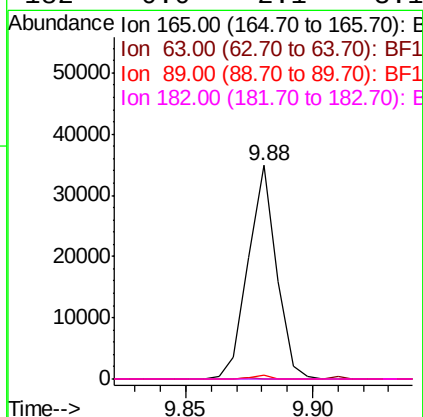
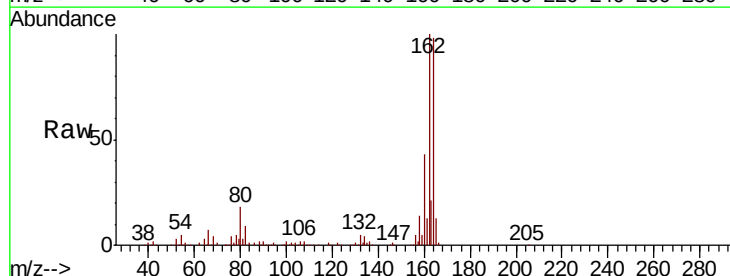
Instrument :
 BNA_F
 ClientSampleId :

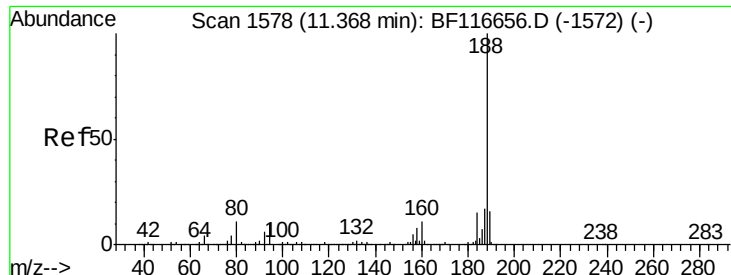
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	1.8	52.5	78.7#



#57
 2,4-Dinitrotoluene
 Concen: 8.065 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116844.D
 Acq: 5 Sep 2019 18:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.8	62.6	94.0#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampled :

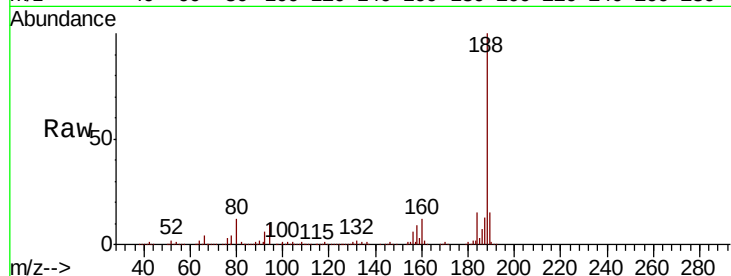
Tot Ion:188 Resp: 313341

Ion Ratio Lower Upper

188 100

94 10.3 7.3 10.9

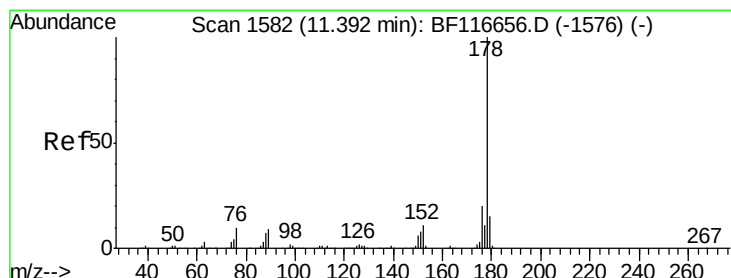
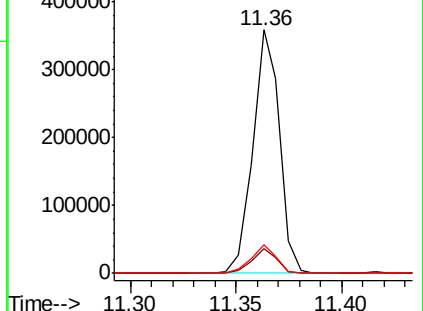
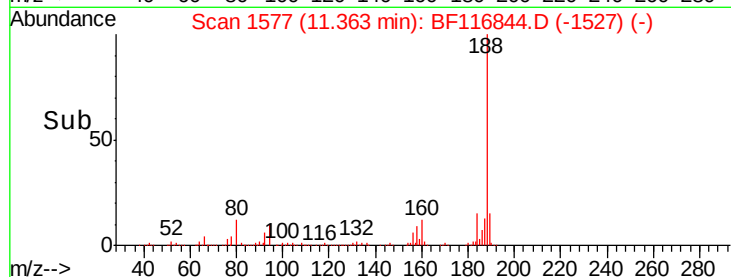
80 11.6 8.4 12.6



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: 4.622 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

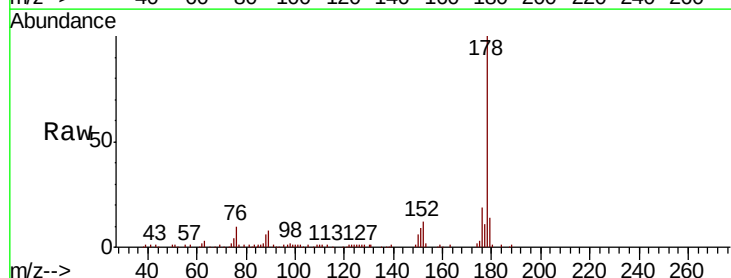
Tgt Ion:178 Resp: 80619

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

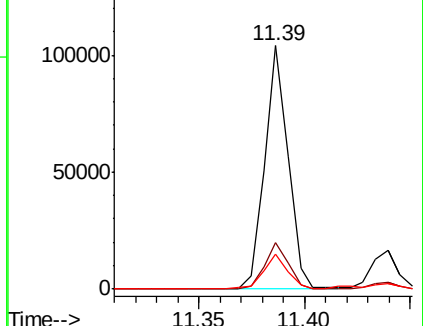
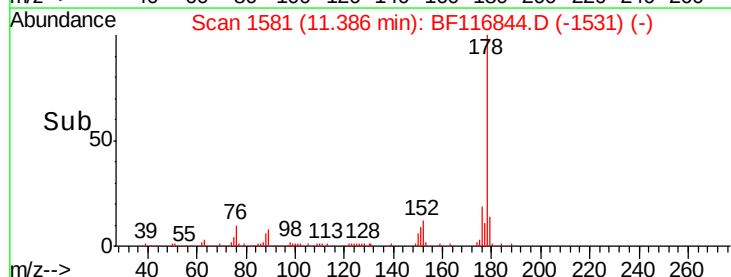
179 14.3 12.2 18.2

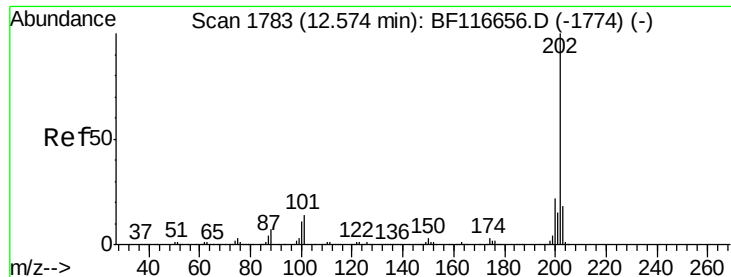


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 14.159 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116844.D

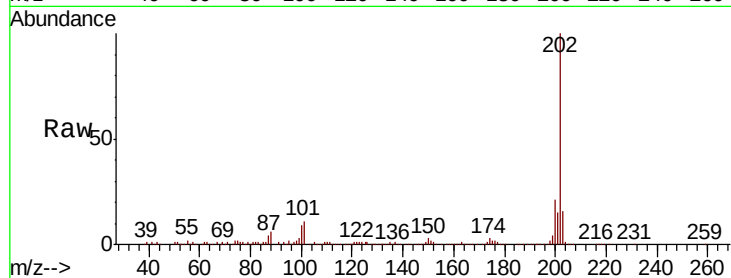
Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	242708
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.3
203	16.3	0.0	37.6

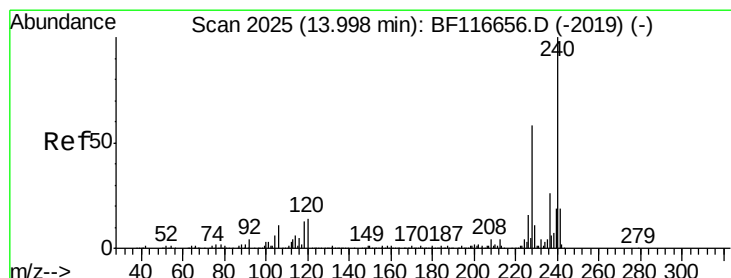
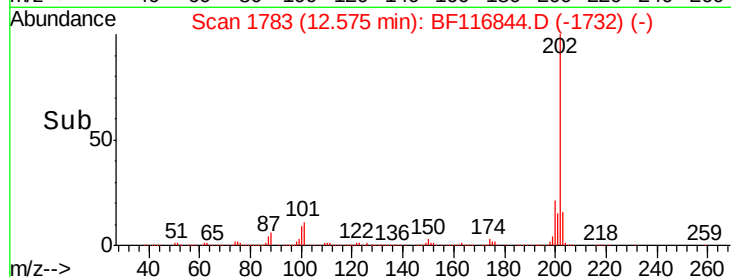
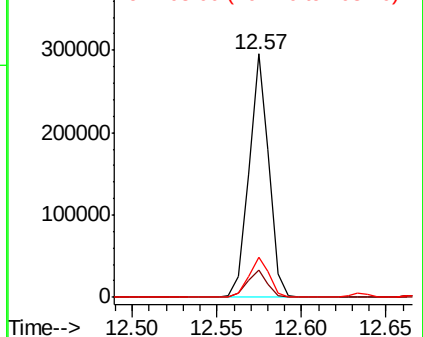


Abundance

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

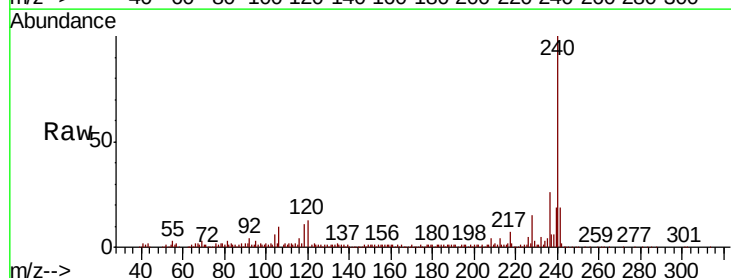
RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Tgt Ion:	240	Resp:	230688
Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.1	13.7
236	25.8	21.1	31.7

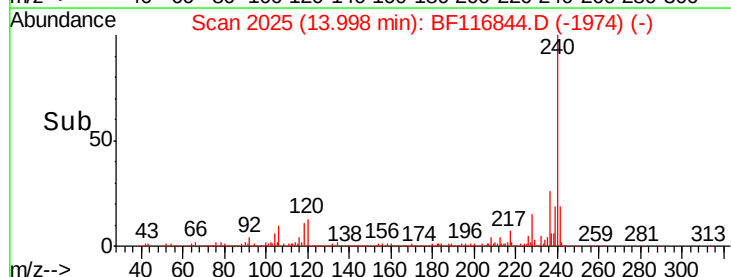
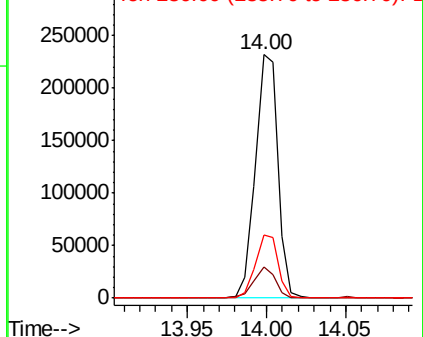


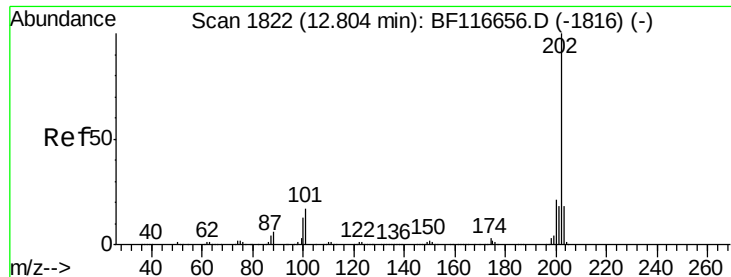
Abundance

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: 9.736 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampleId :

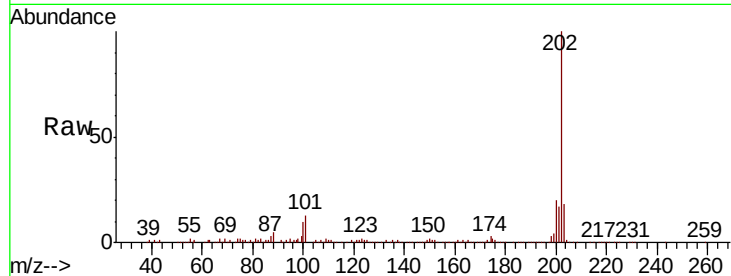
Tot Ion:202 Resp: 199662

Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

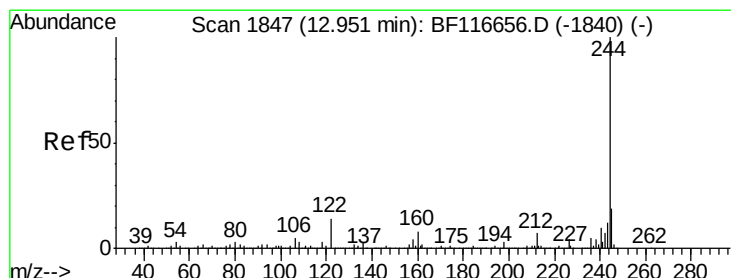
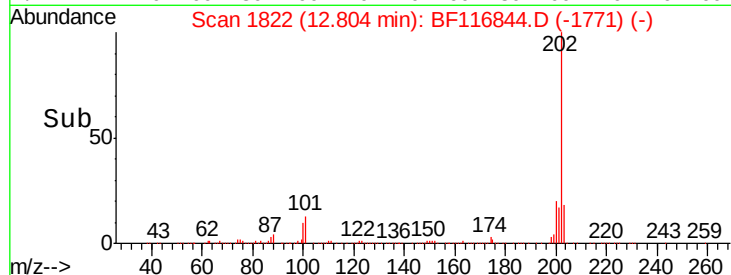
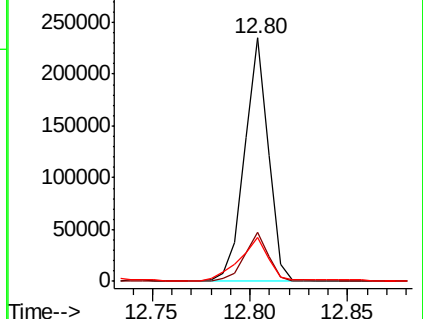
203 17.8 13.7 20.5



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: 21.991 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

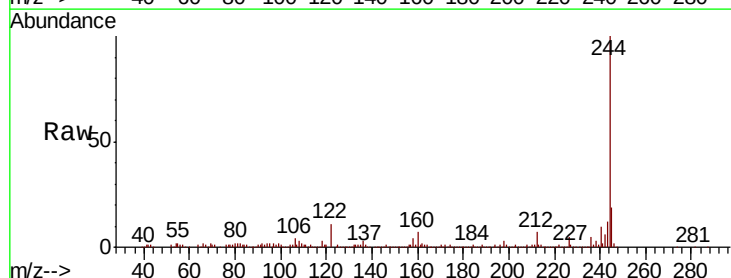
Tgt Ion:244 Resp: 274230

Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

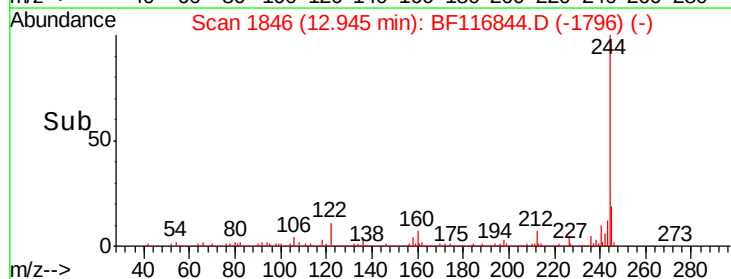
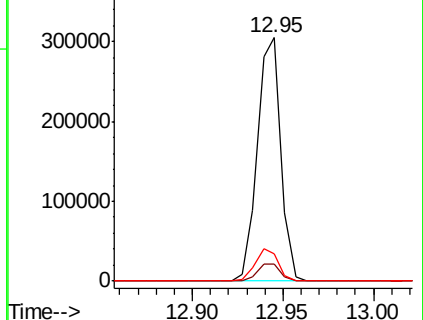
122 11.1 10.2 15.4

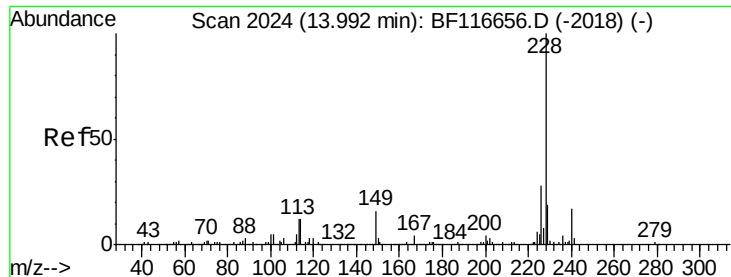


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.790 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampleId :

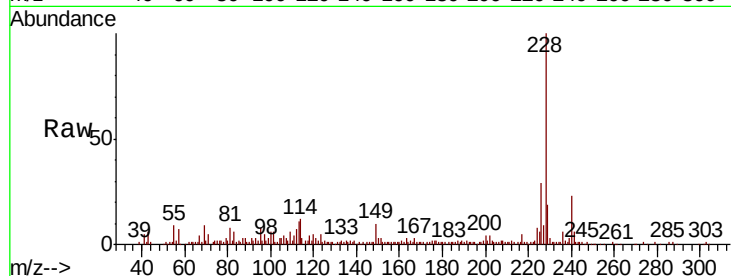
Tot Ion:228 Resp: 99136

Ion Ratio Lower Upper

228 100

226 29.2 22.0 33.0

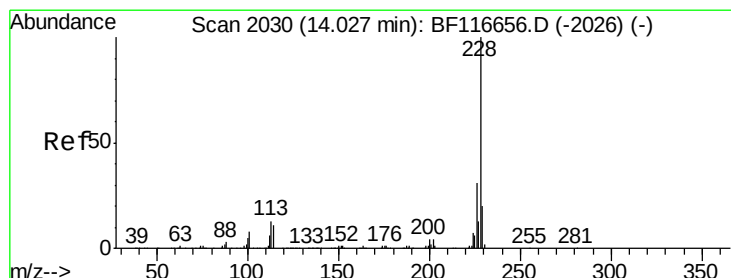
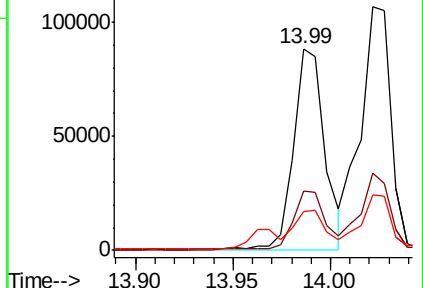
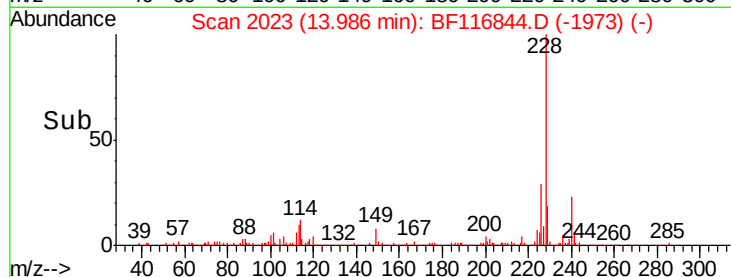
229 19.2 16.4 24.6



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: 7.721 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

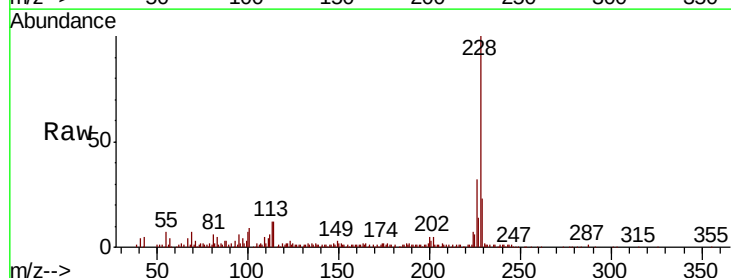
Tgt Ion:228 Resp: 116133

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

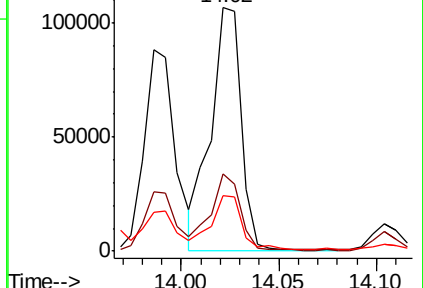
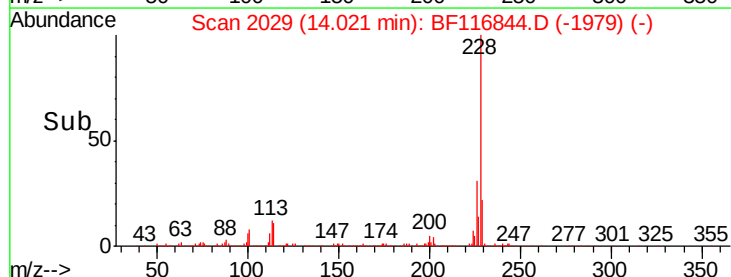
229 22.9 15.4 23.0

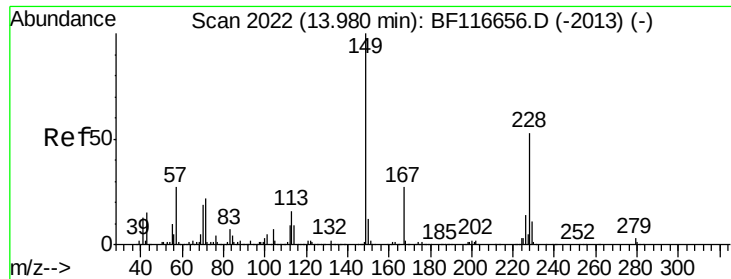


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.207 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampleId :

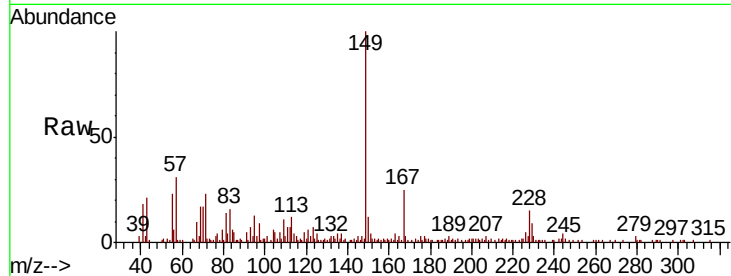
Tot Ion:149 Resp: 39473

Ion Ratio Lower Upper

149 100

167 25.2 21.0 31.4

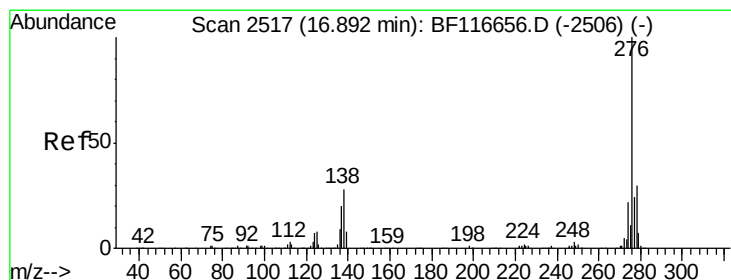
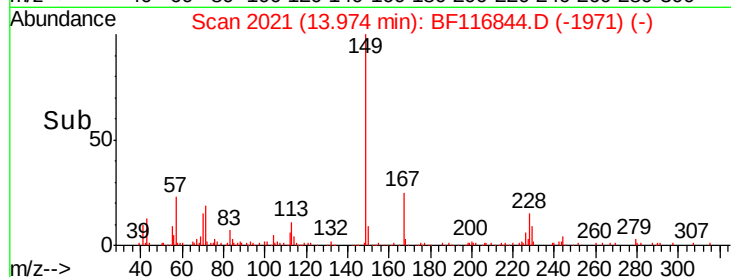
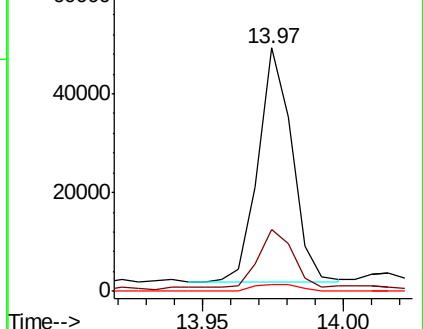
279 3.0 2.8 4.2



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.518 ng

RT: 16.90 min Scan# 2519

Delta R.T. 0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

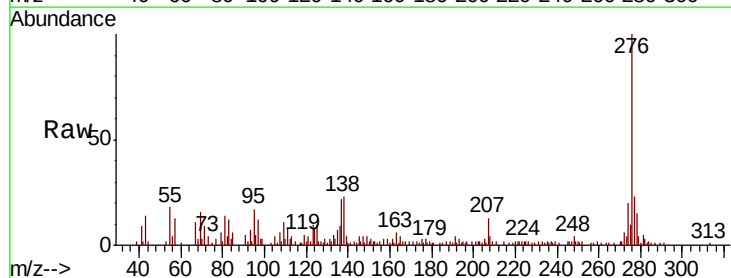
Tgt Ion:276 Resp: 54583

Ion Ratio Lower Upper

276 100

138 21.2 19.4 29.2

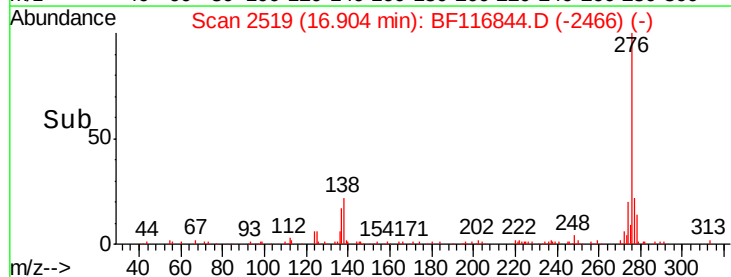
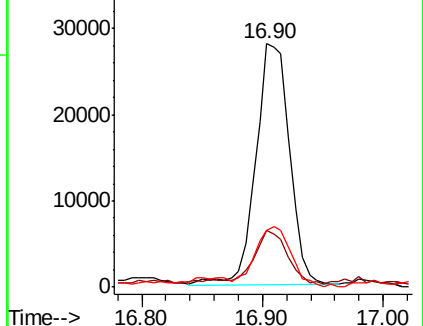
277 26.9 20.5 30.7

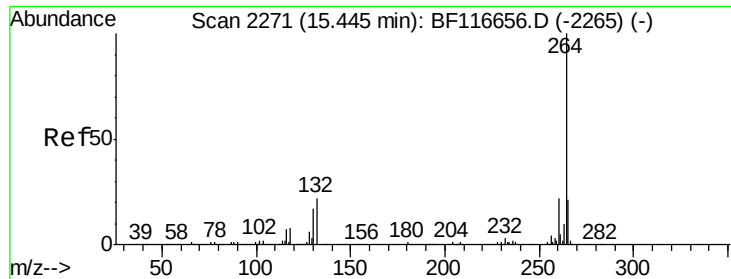


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampleId :

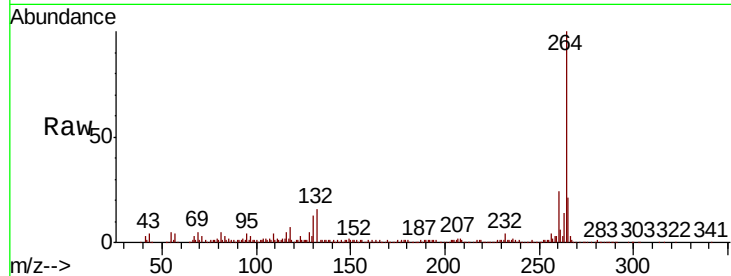
Tot Ion:264 Resp: 194890

Ion Ratio Lower Upper

264 100

260 24.4 18.3 27.5

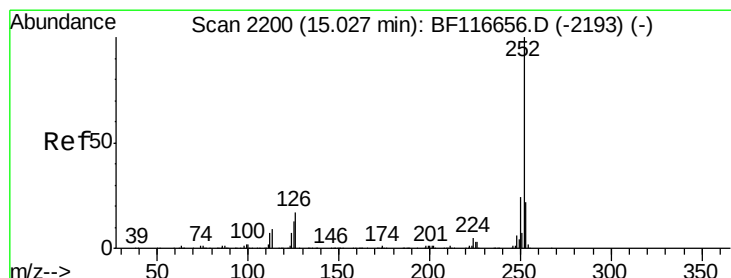
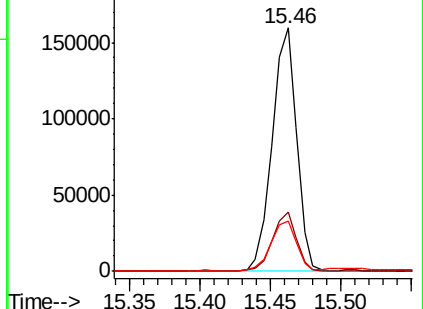
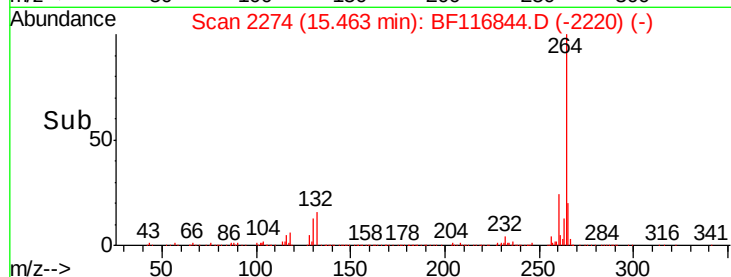
265 20.9 16.5 24.7



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: 16.728 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

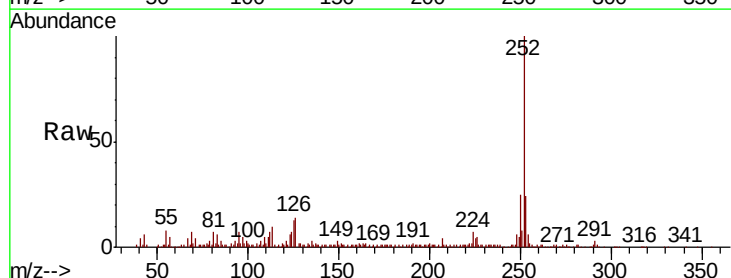
Tgt Ion:252 Resp: 197103

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

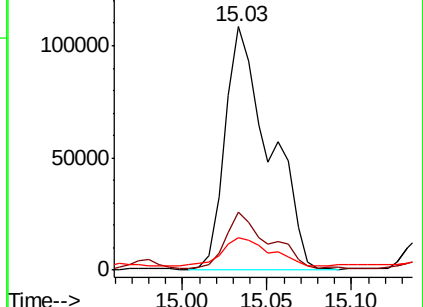
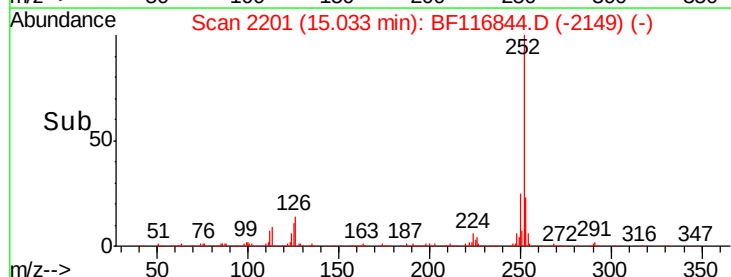
125 13.2 8.2 12.2#

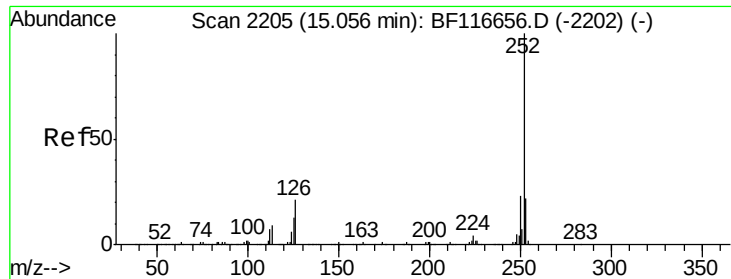


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

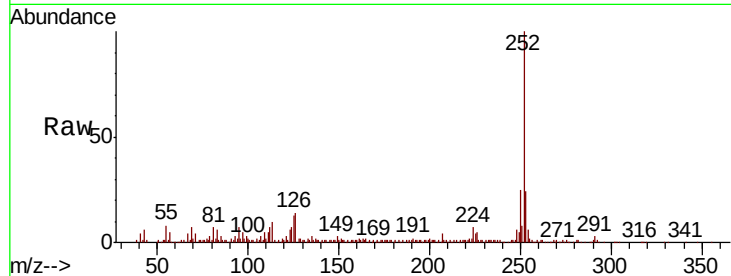




#89
Benzo(k)fluoranthene
Concen: 18.347 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	13.2	8.6	13.0#

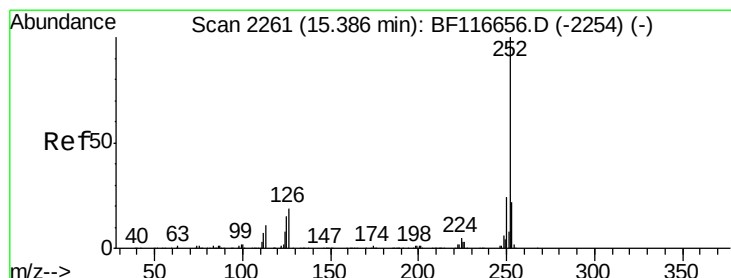
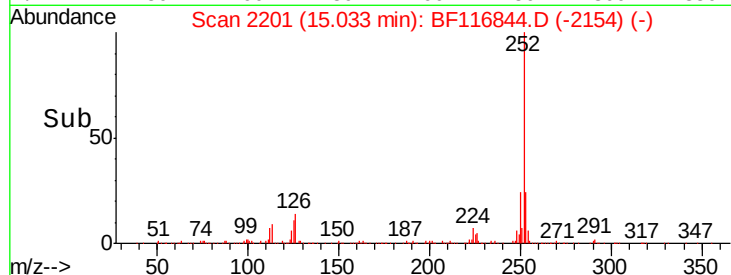
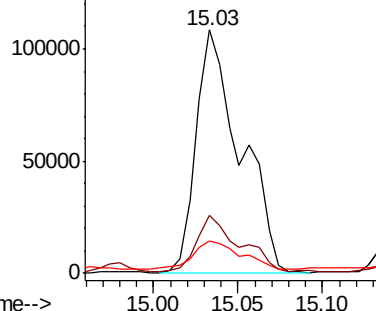


Abundance

Ion 252.00 (251.70 to 252.70): E

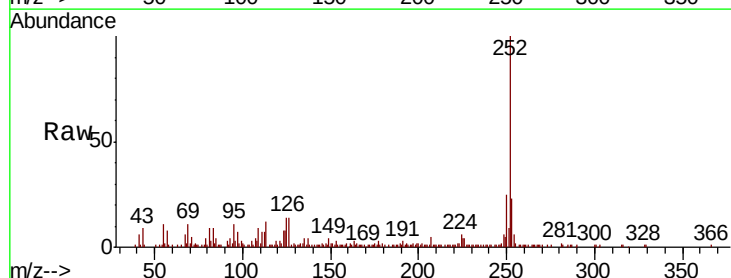
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 7.527 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	13.9	9.8	14.8

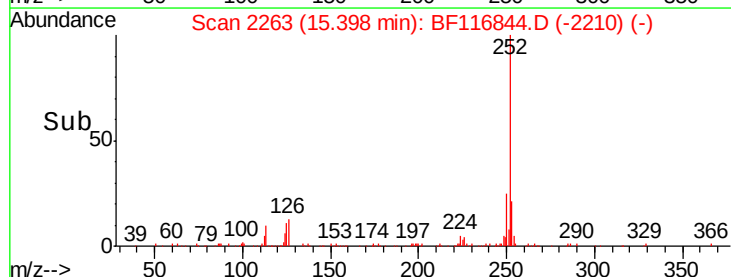
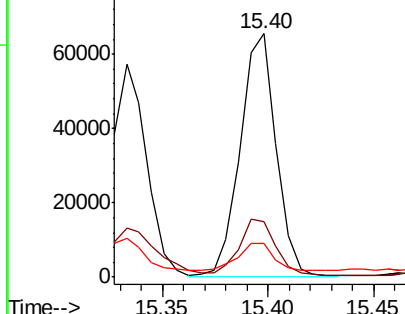


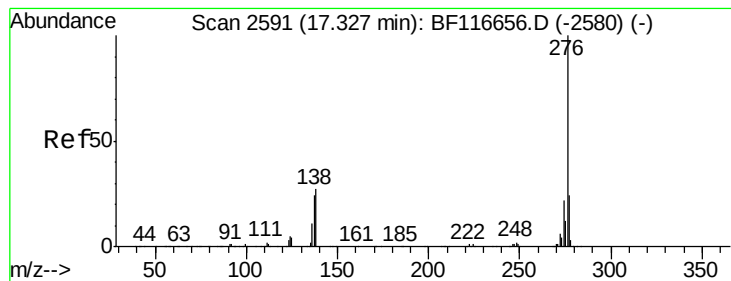
Abundance

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(a,h,i)perylene

Concen: 5.581 ng

RT: 17.35 min Scan# 2595

Delta R.T. 0.02 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

ClientSampleId :

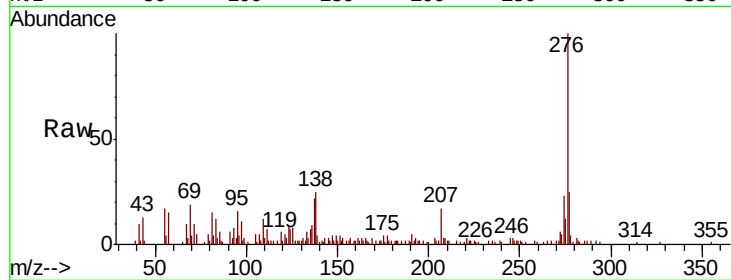
Tot Ion:276 Resp: 51071

Ion Ratio Lower Upper

276 100

277 25.4 18.5 27.7

138 25.4 16.2 24.2#



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

