

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116175.D
 Acq On : 11 Aug 2019 4:58
 Operator : HP/JU
 Sample : K4165-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 04:24:48 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	144245	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	553238	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	265427	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	381210	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	273513	20.00	ng	-0.01
87) Perylene-d12	15.47	264	255388	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	653461	75.84	ng	0.00
7) Phenol-d6	6.47	99	868963	79.93	ng	-0.01
23) Nitrobenzene-d5	7.40	82	551673	57.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	158000	61.40	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	963809	68.01	ng	-0.01
79) Terphenyl-d14	12.93	244	737800	56.84	ng	-0.02

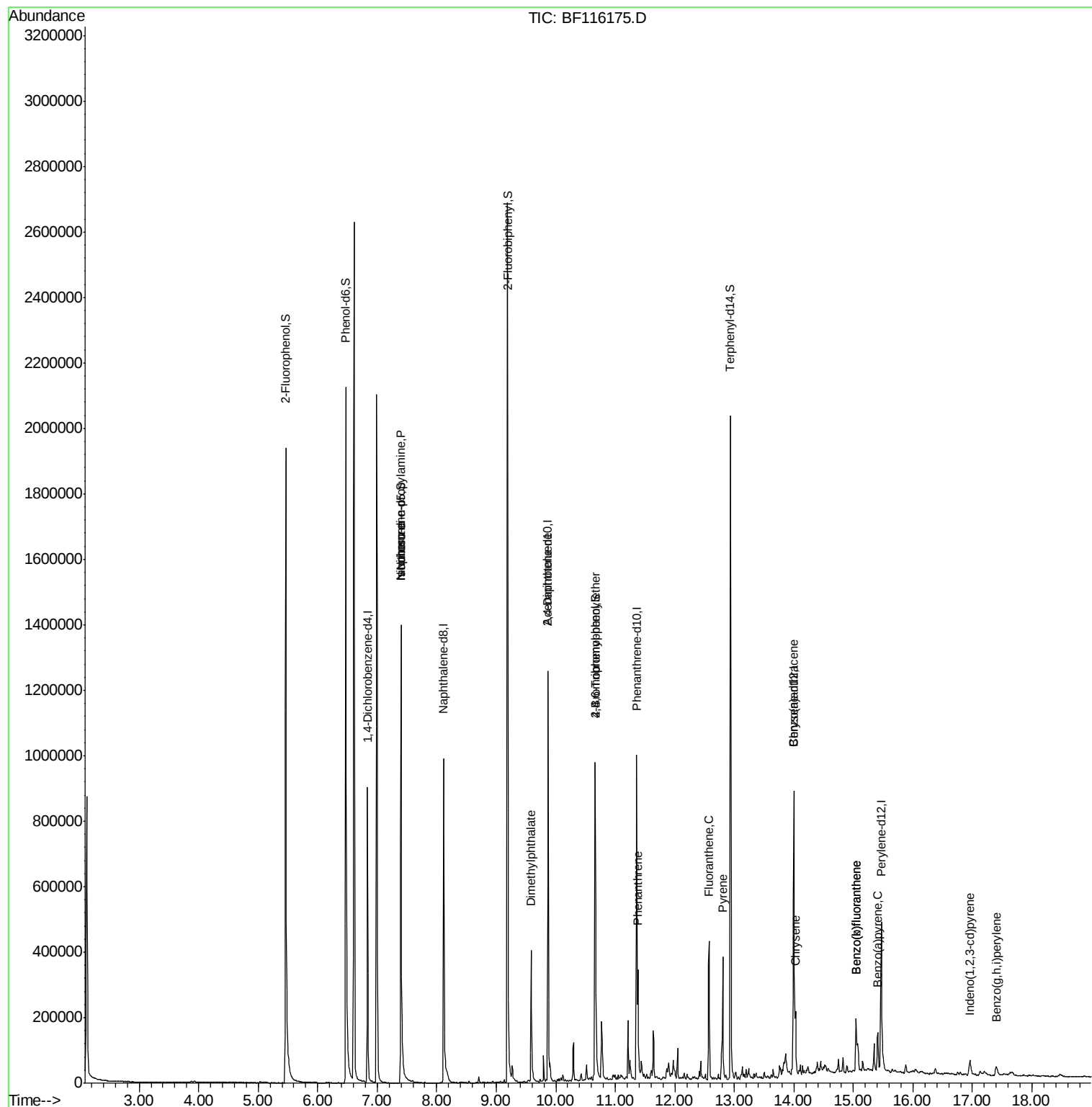
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	71227	10.573	ng	# 79
25) Isophorone	7.40	82	552381	30.141	ng	# 65
50) Dimethylphthalate	9.59	163	208260	11.524	ng	99
57) 2,4-Dinitrotoluene	9.87	165	34145	6.530	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	9541	2.338	ng	# 1
71) Phenanthrene	11.38	178	122934	6.308	ng	97
75) Fluoranthene	12.57	202	186000	9.117	ng	99
78) Pyrene	12.80	202	160319	7.776	ng	98
81) Benzo(a)anthracene	13.99	228	82000	4.691	ng	97
83) Chrysene	14.03	228	74295	4.377	ng	96
86) Indeno(1,2,3-cd)pyrene	16.96	276	34742	2.437	ng	96
88) Benzo(b)fluoranthene	15.04	252	121212	8.208	ng	99
89) Benzo(k)fluoranthene	15.04	252	120707	8.392	ng	98
90) Benzo(a)pyrene	15.41	252	60905	4.614	ng	98
92) Benzo(a,h,i)perylene	17.40	276	30202	2.691	ng	96

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

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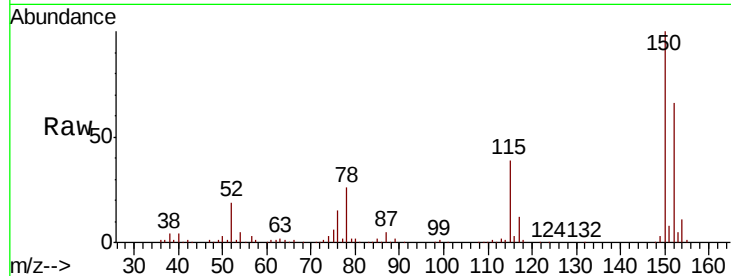


#1

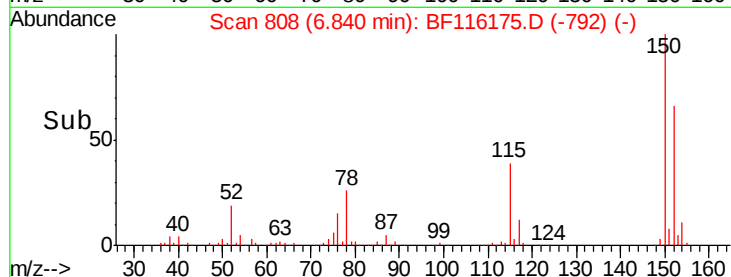
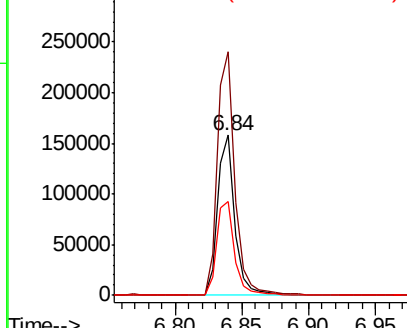
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.2	189.2
115	58.8	49.9	74.9



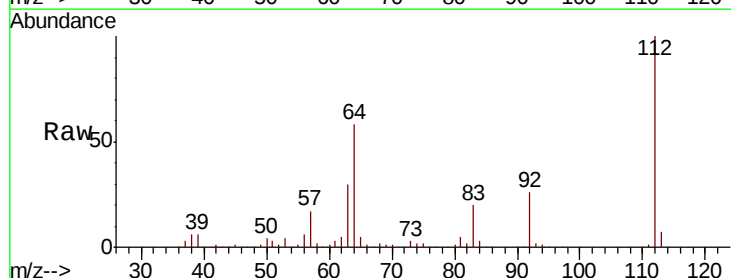
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



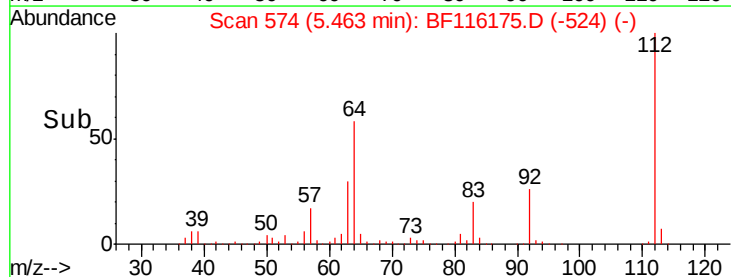
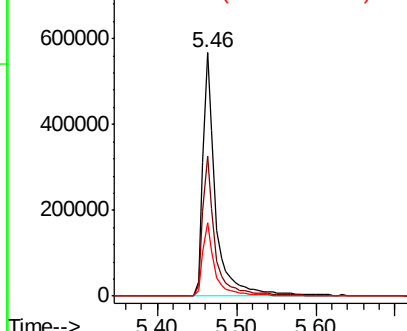
#5

2-Fluorophenol
Concen: 75.839 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	45.4	68.2
63	30.1	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: 79.933 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

Instrument :

BNA_F

ClientSampled :

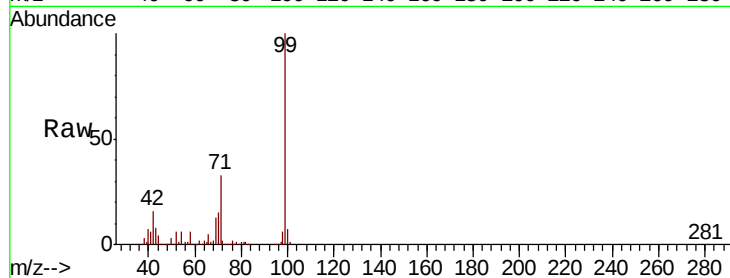
Tot Ion: 99 Resp: 868963

Ion Ratio Lower Upper

99 100

42 16.3 13.8 20.8

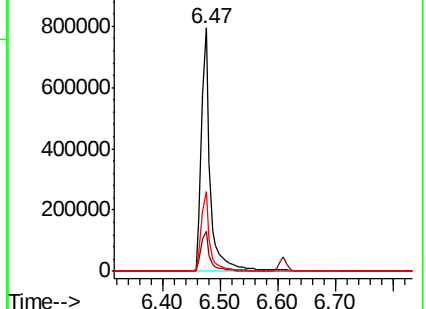
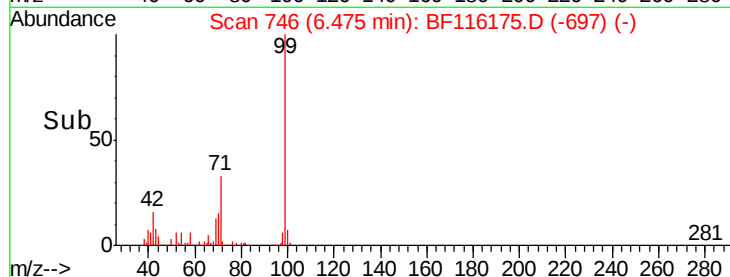
71 32.9 27.3 40.9



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: 10.573 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

Tgt Ion: 70 Resp: 71227

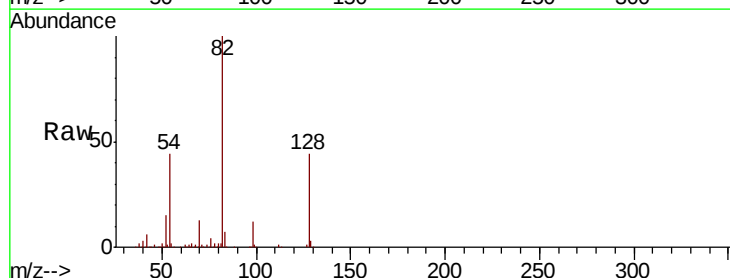
Ion Ratio Lower Upper

70 100

42 43.3 40.9 61.3

101 0.0 7.9 11.9#

130 2.3 16.9 25.3#

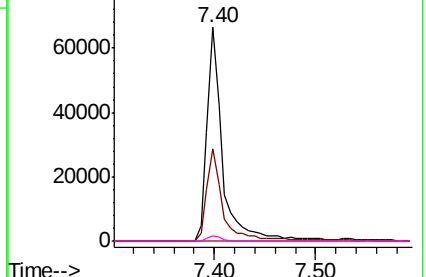
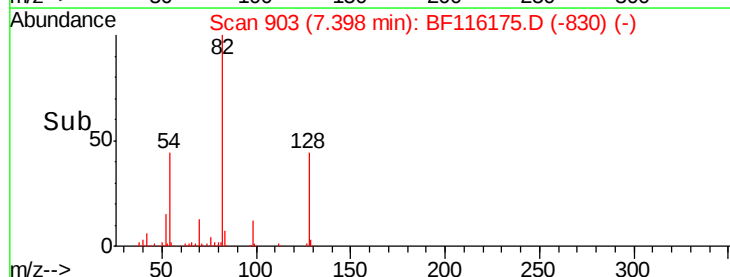


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116175.D

Acq: 11 Aug 2019 4:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 553238

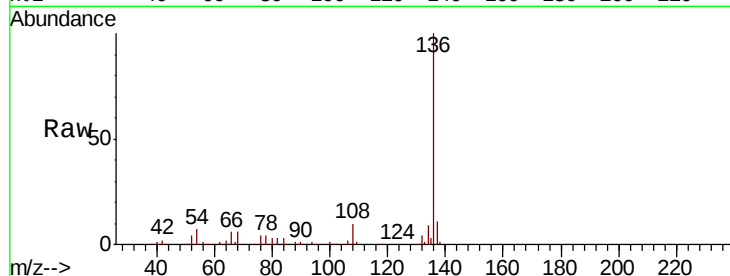
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.3 5.8 8.6

68 6.3 5.2 7.8

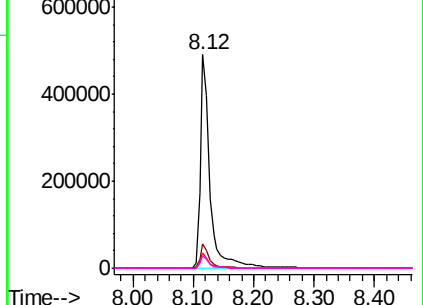
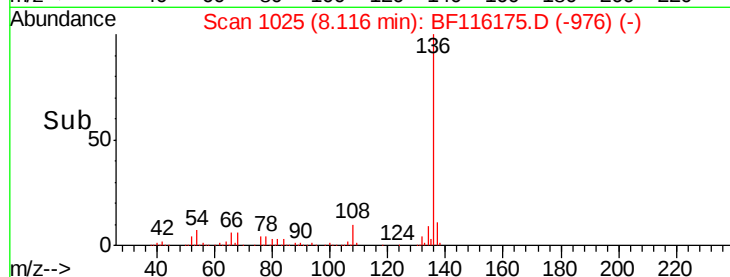


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.560 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

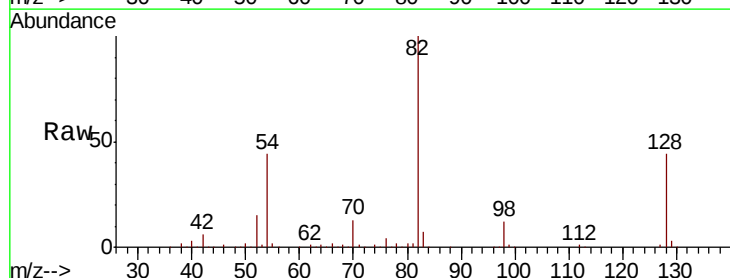
Tgt Ion: 82 Resp: 551673

Ion Ratio Lower Upper

82 100

128 43.7 36.5 54.7

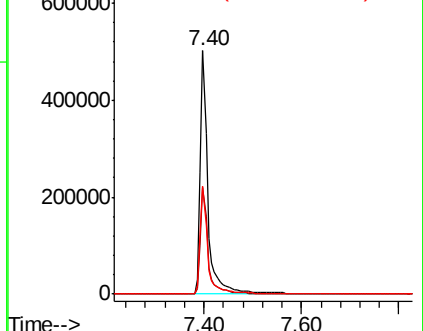
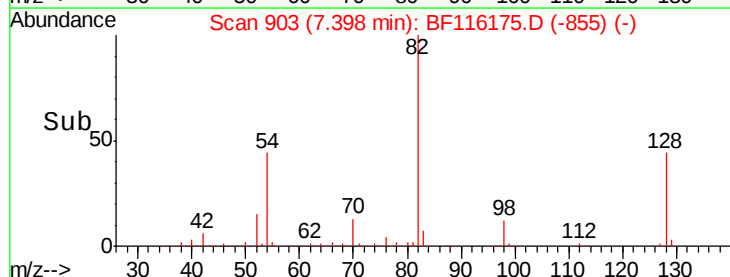
54 44.2 36.0 54.0



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: 30.141 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

Instrument :

BNA_F

ClientSampleId :

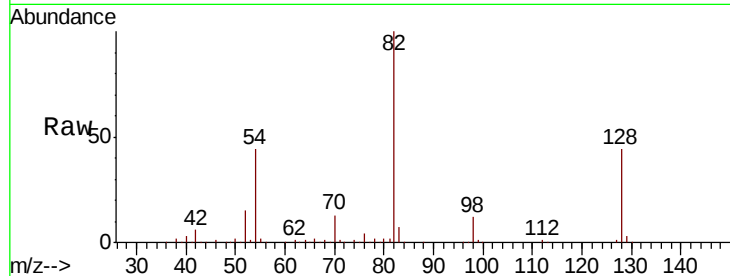
Tot Ion: 82 Resp: 552381

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

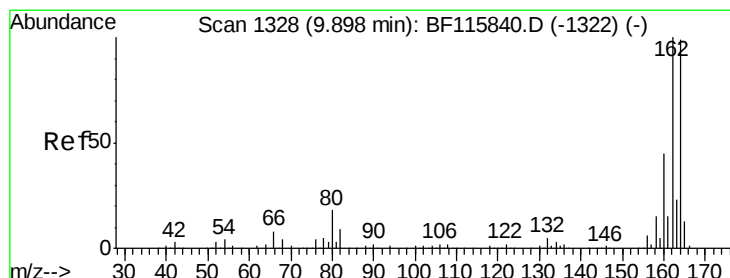
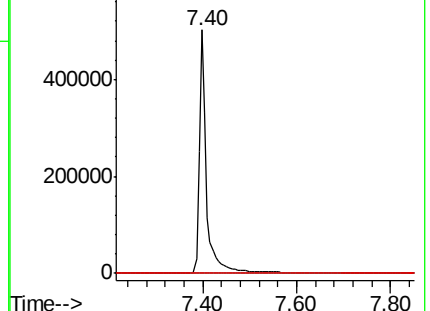
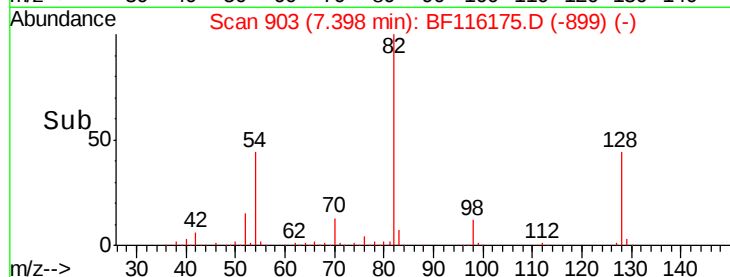
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

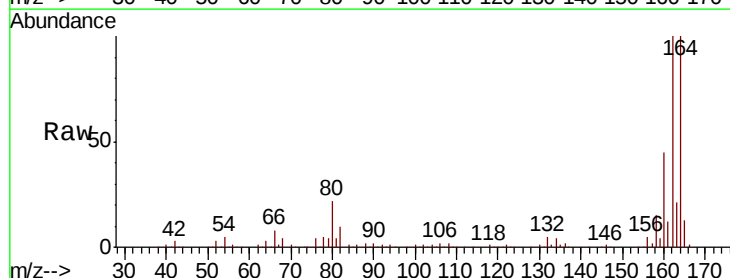
Tgt Ion: 164 Resp: 265427

Ion Ratio Lower Upper

164 100

162 100.2 82.6 124.0

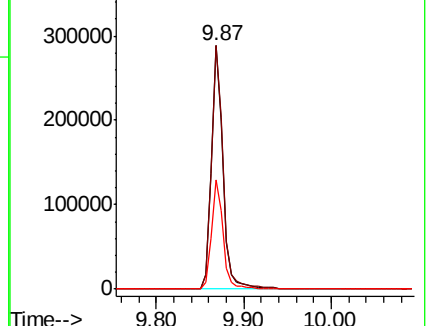
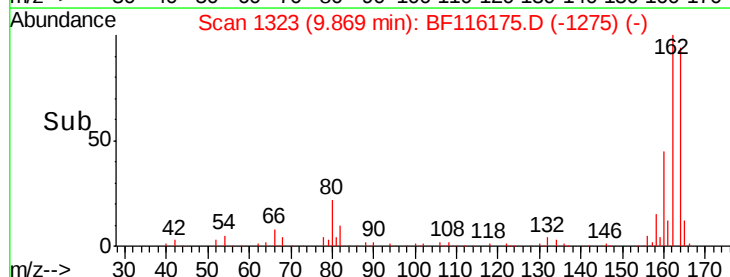
160 45.1 37.6 56.4



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

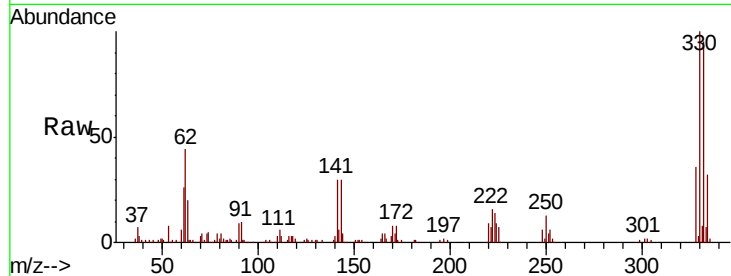




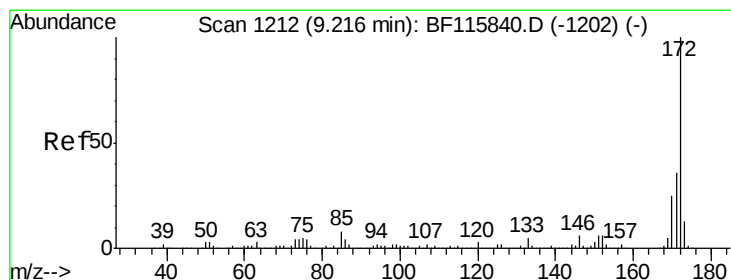
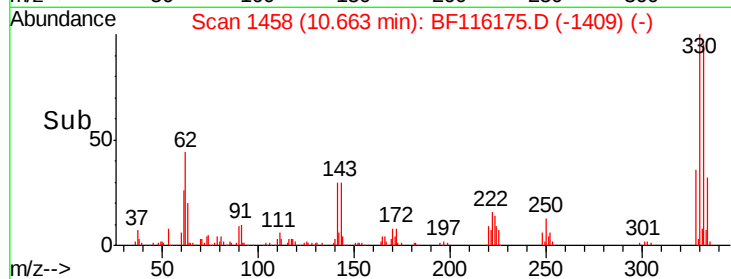
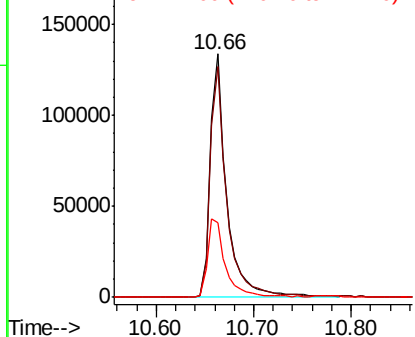
#42
 2,4,6-Tribromophenol
 Concen: 61.398 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.8	115.2
141	35.0	26.3	39.5

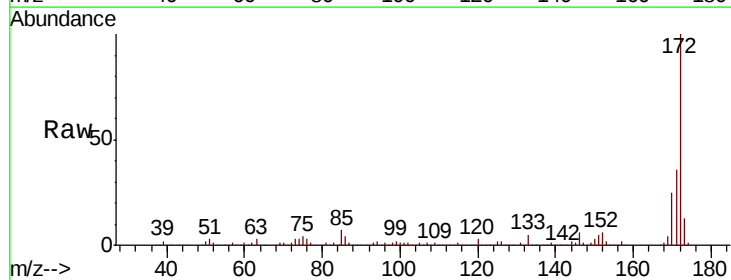


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

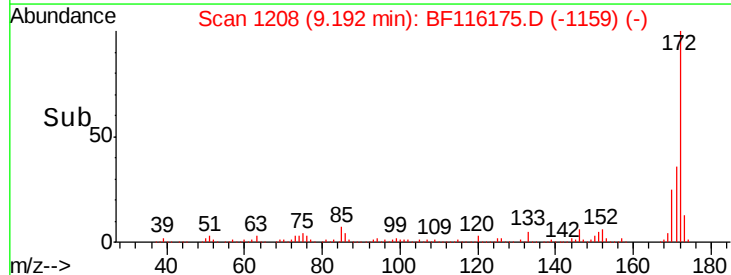
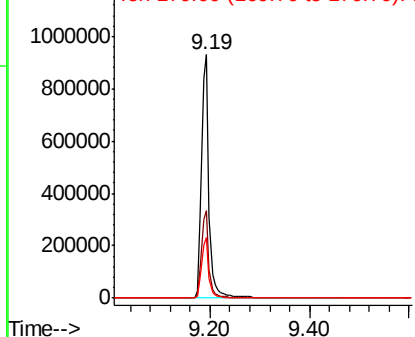


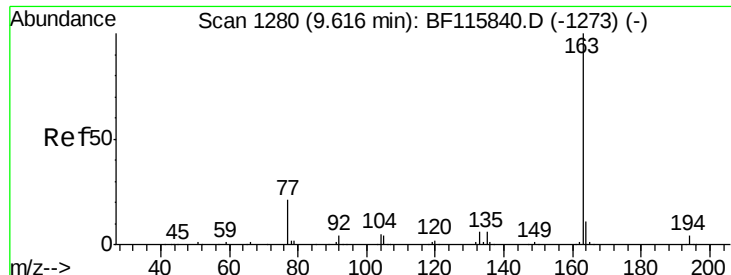
#45
 2-Fluorobiphenyl
 Concen: 68.014 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.7	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

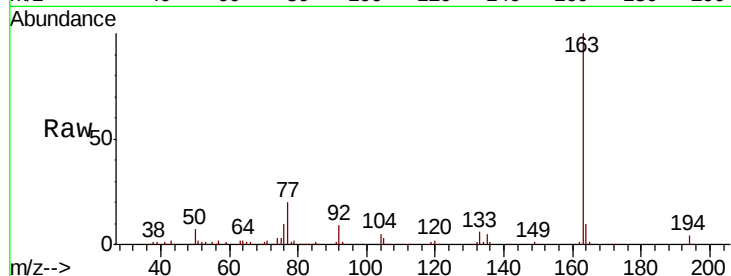




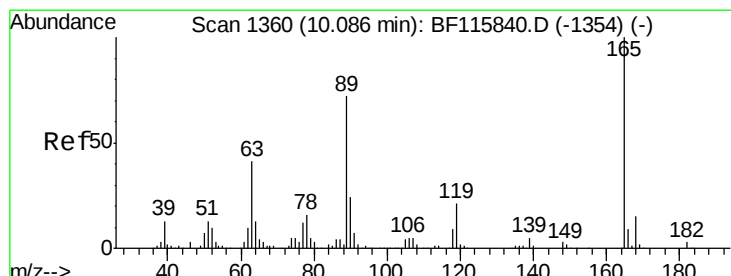
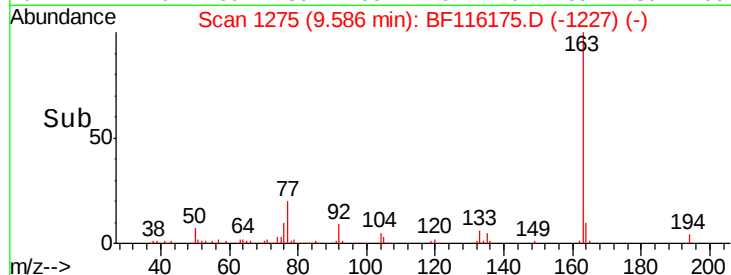
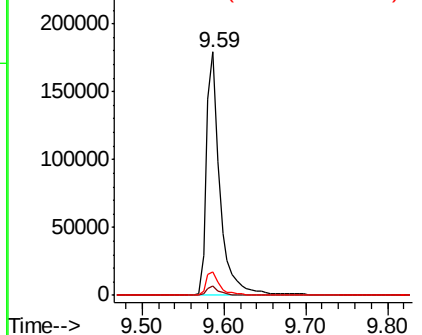
#50
 Dimethylphthalate
 Concen: 11.524 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	163	Resp:	208260
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.8	8.4	12.6

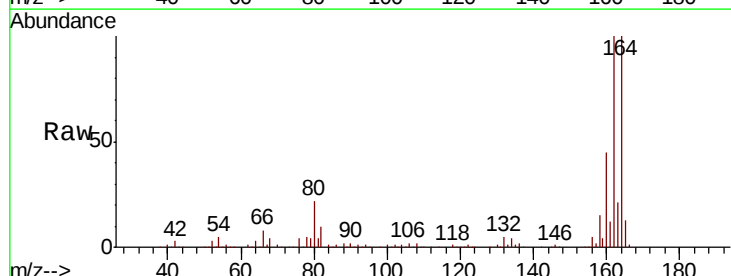


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

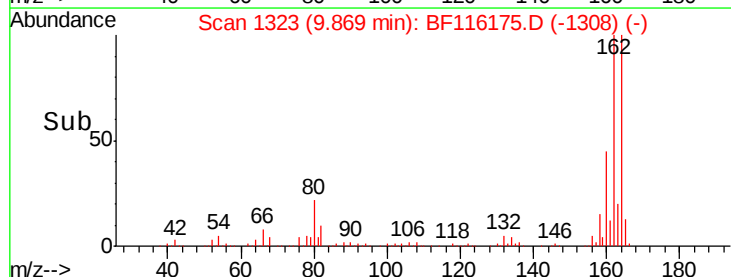
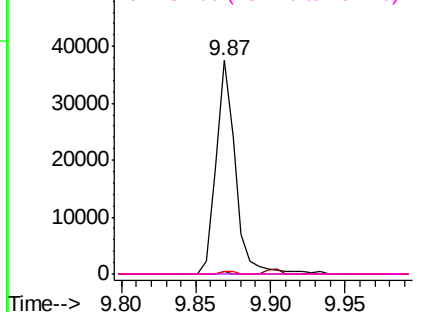


#57
 2,4-Dinitrotoluene
 Concen: 6.530 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Tgt Ion:	165	Resp:	34145
Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.6	59.4#
89	1.4	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: BF116175.D

Acq: 11 Aug 2019 4:58

Instrument :

BNA_F

ClientSampled :

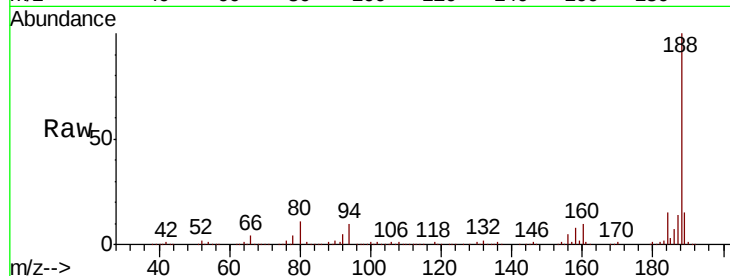
Tot Ion:188 Resp: 381210

Ion Ratio Lower Upper

188 100

94 10.1 8.1 12.1

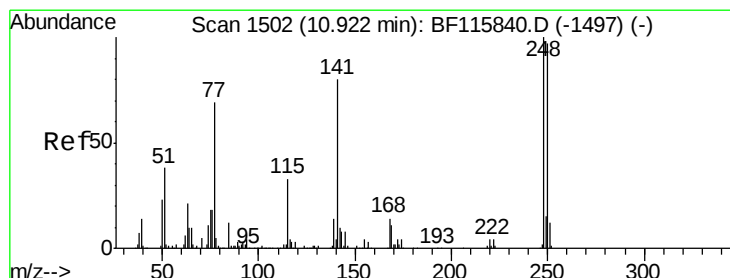
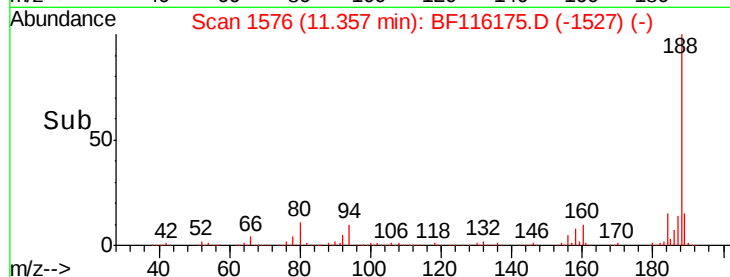
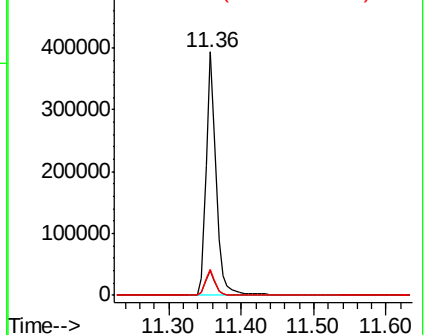
80 10.9 8.7 13.1



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: 2.338 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

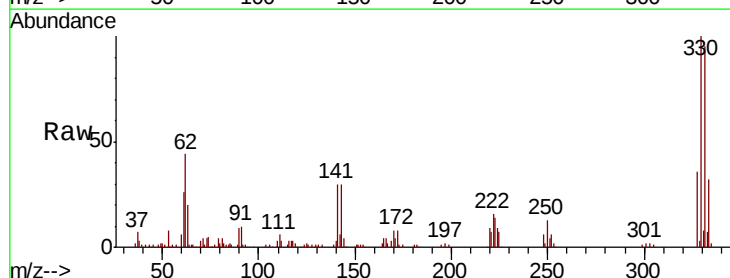
Tgt Ion:248 Resp: 9541

Ion Ratio Lower Upper

248 100

250 205.7 77.4 116.2#

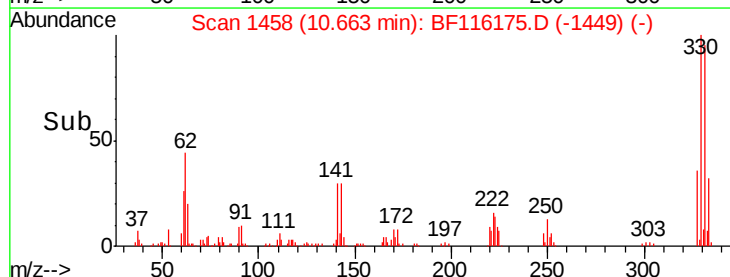
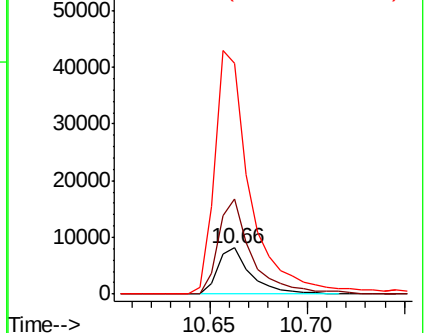
141 498.4 56.8 85.2#

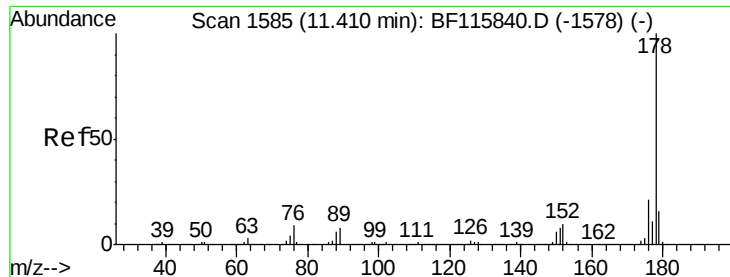


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.308 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

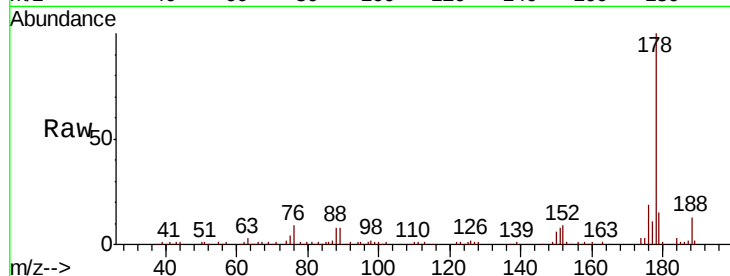
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 122934

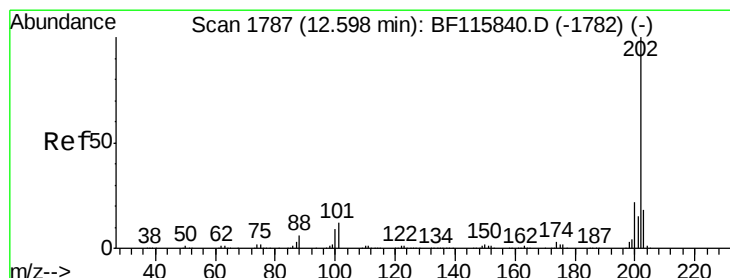
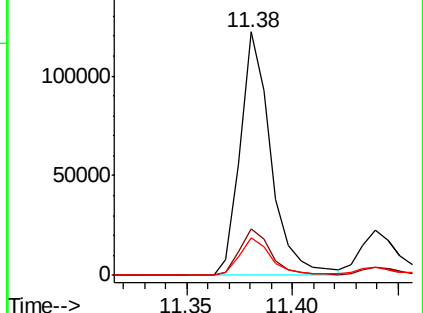
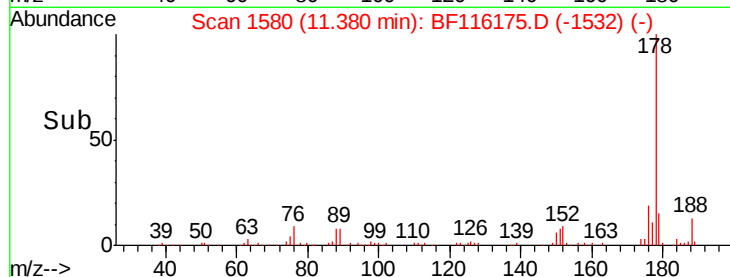
Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	24.8
179	15.3	12.5	18.7



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: 9.117 ng

RT: 12.57 min Scan# 1783

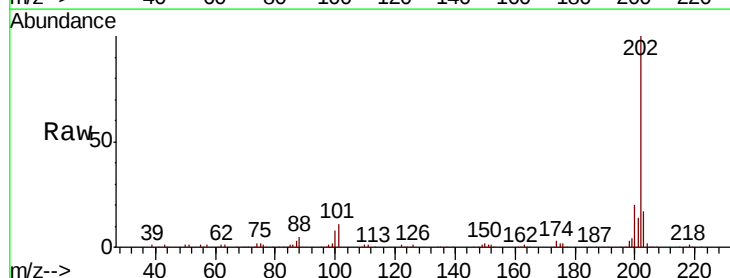
Delta R.T. -0.01 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

Tgt Ion:202 Resp: 186000

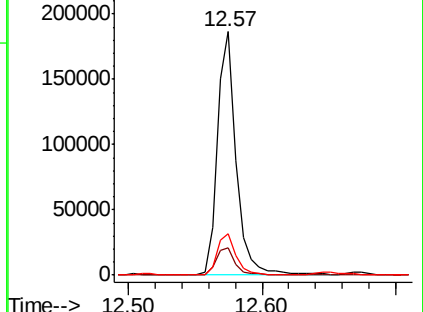
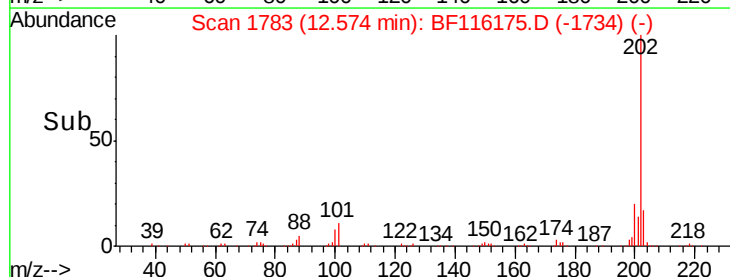
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.1	0.0	37.8

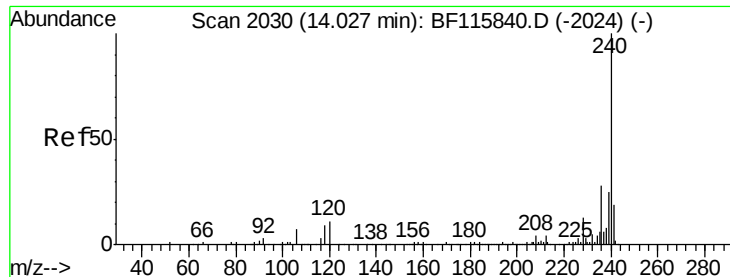


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

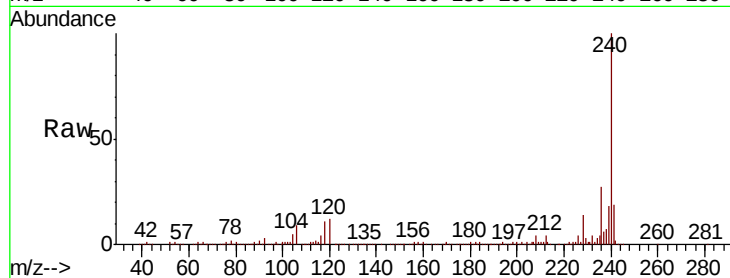




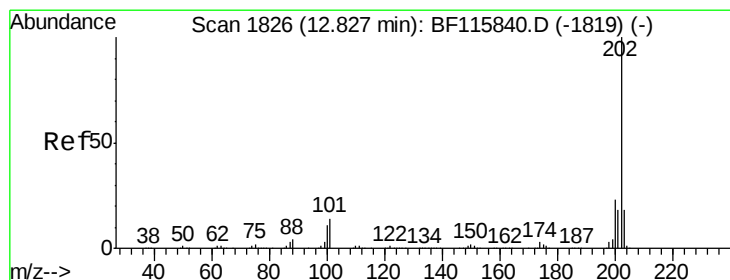
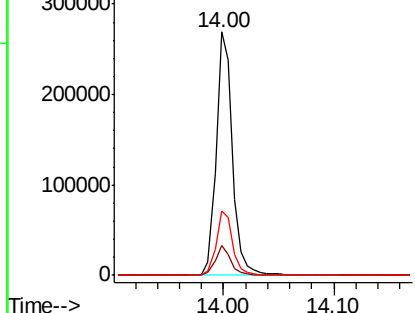
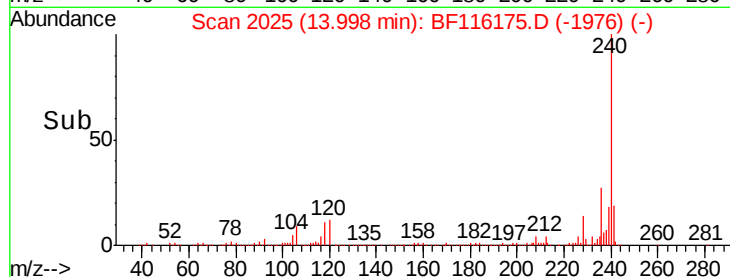
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 273513
Ion Ratio Lower Upper
240 100
120 12.4 10.7 16.1
236 26.5 22.2 33.2

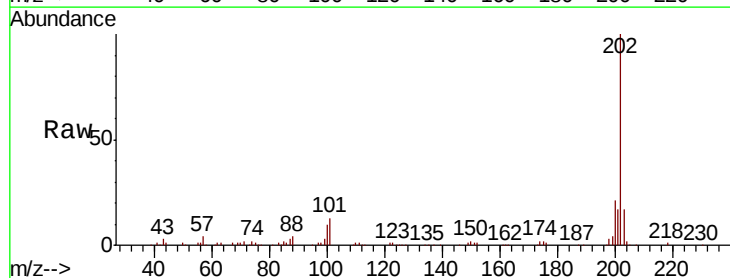


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

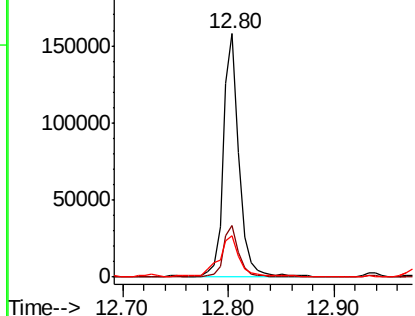
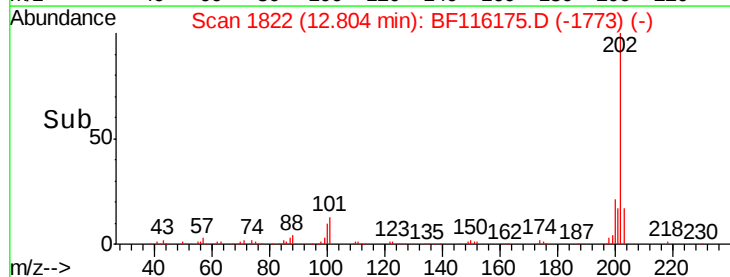


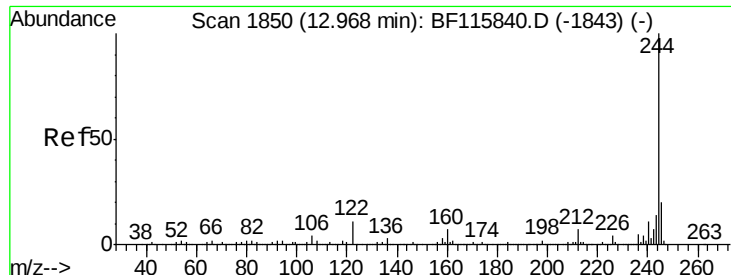
#78
Pyrene
Concen: 7.776 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion:202 Resp: 160319
Ion Ratio Lower Upper
202 100
200 21.1 18.0 27.0
203 17.1 14.1 21.1



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

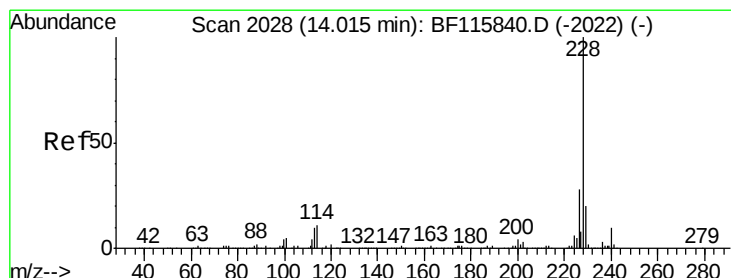
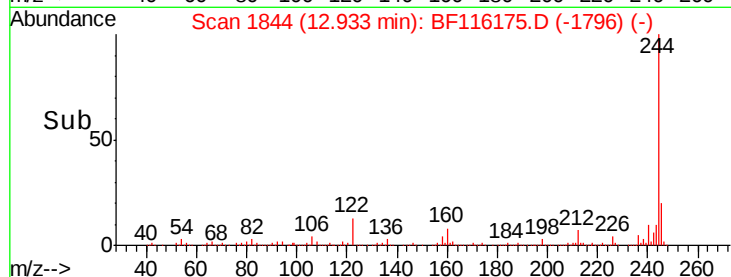
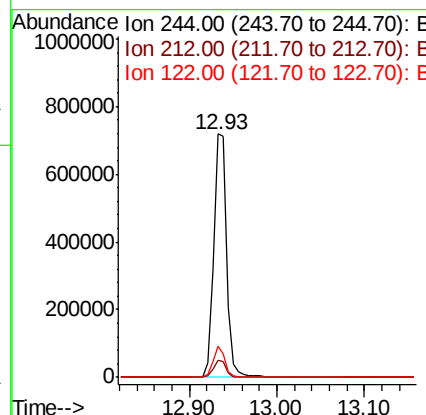
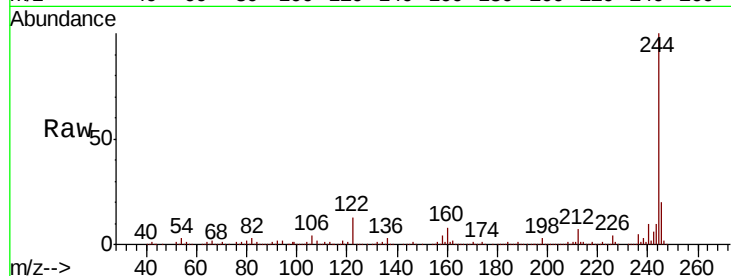




#79
 Terphenyl-d14
 Concen: 56.841 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

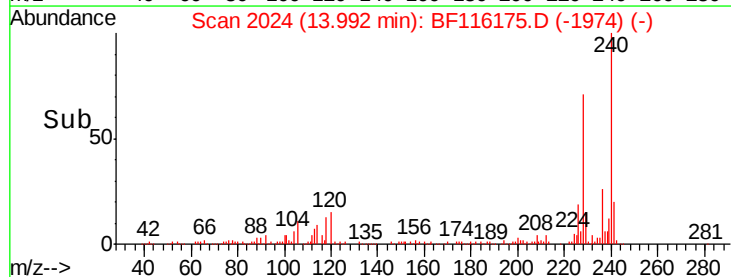
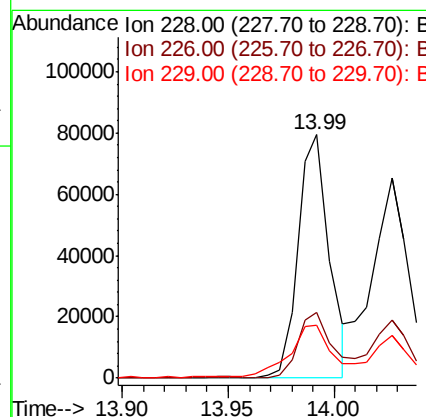
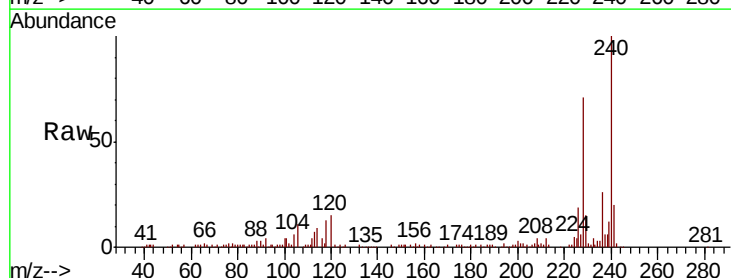
Instrument :
 BNA_F
 ClientSampleId :

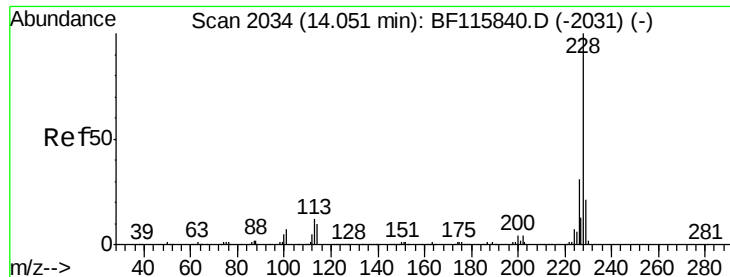
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.6	9.0	13.4



#81
 Benzo(a)anthracene
 Concen: 4.691 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.7	34.1
229	21.7	16.2	24.4

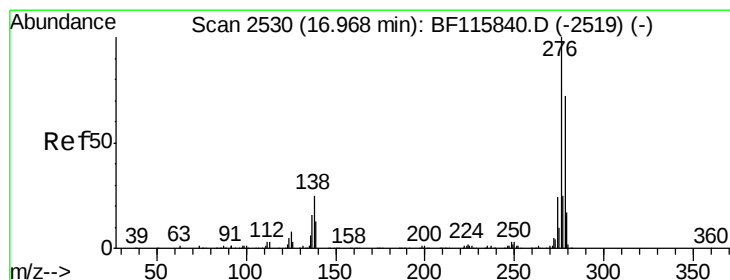
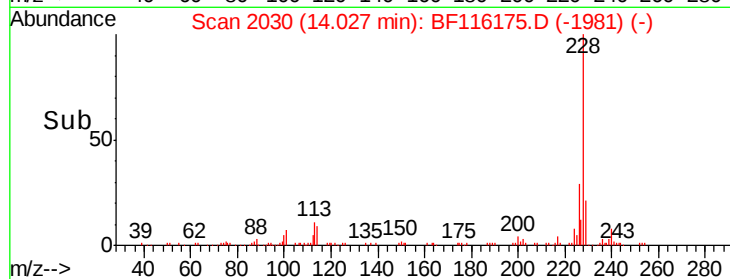
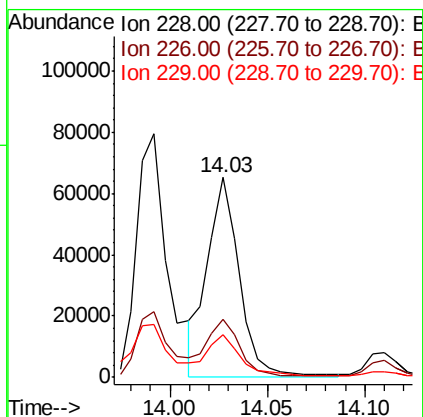
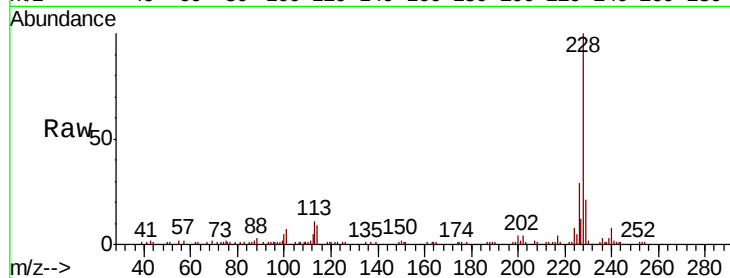




#83
 Chrysene
 Concen: 4.377 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

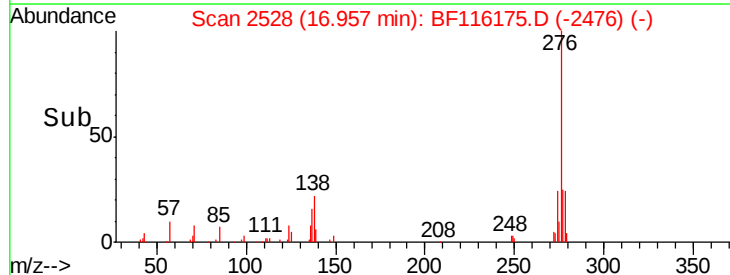
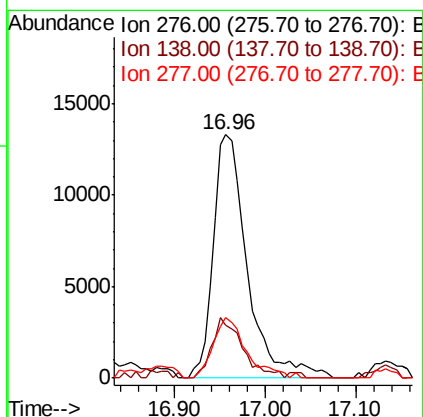
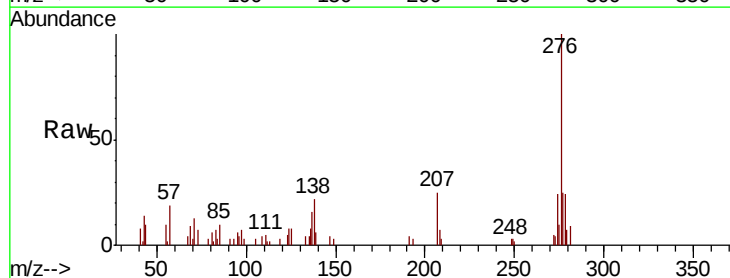
Instrument :
 BNA_F
 ClientSampled :

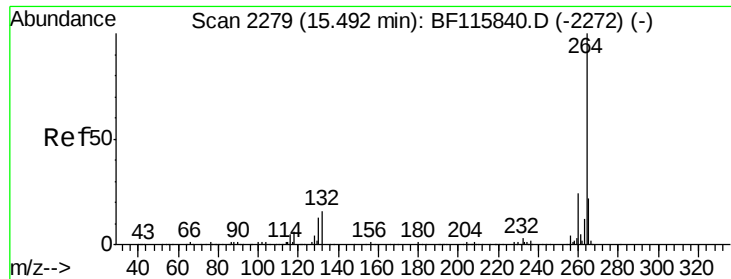
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.5	38.3
229	21.4	16.6	24.8



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.437 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.4	30.6
277	24.3	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

Instrument :

BNA_F

ClientSampleId :

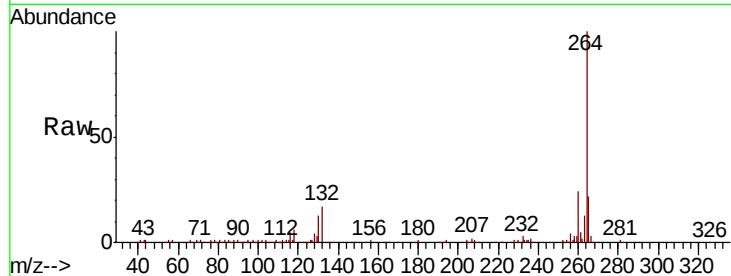
Tot Ion:264 Resp: 255388

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

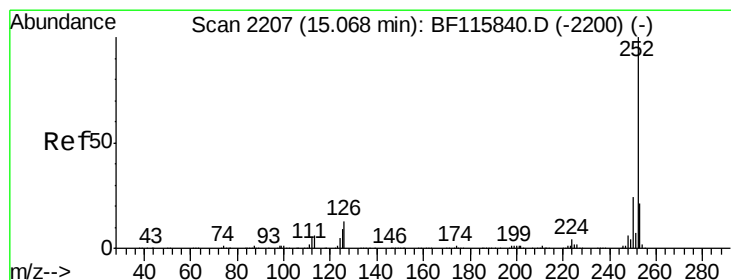
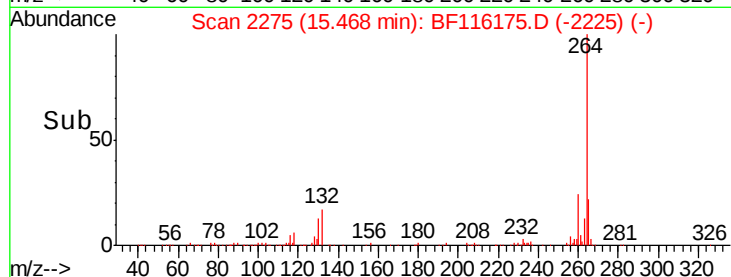
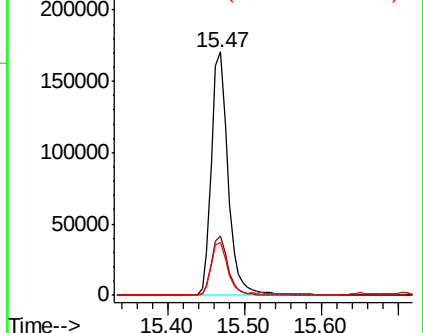
265 21.7 17.4 26.0



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: 8.208 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116175.D

Acq: 11 Aug 2019 4:58

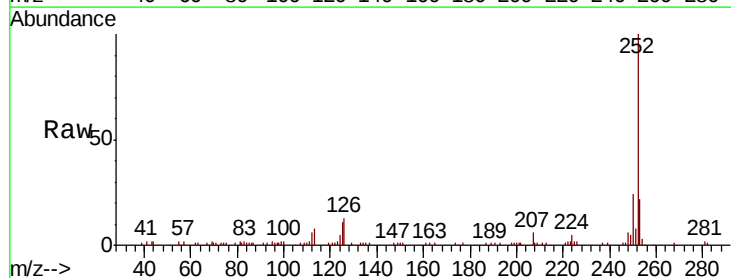
Tgt Ion:252 Resp: 121212

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

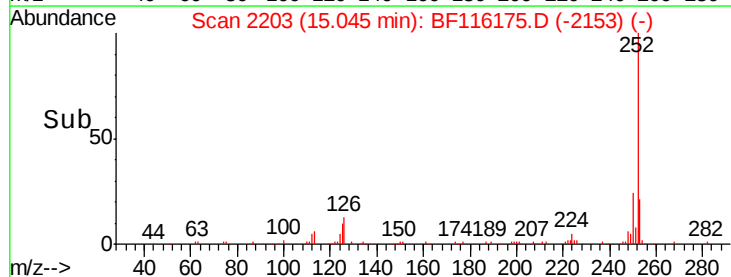
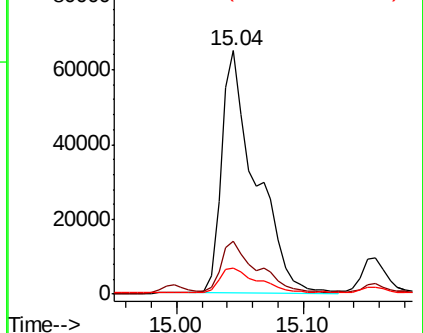
125 10.9 8.4 12.6

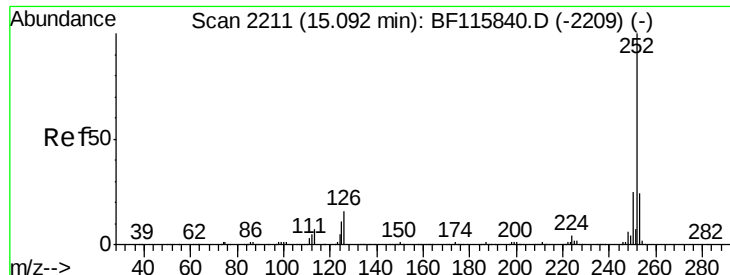


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

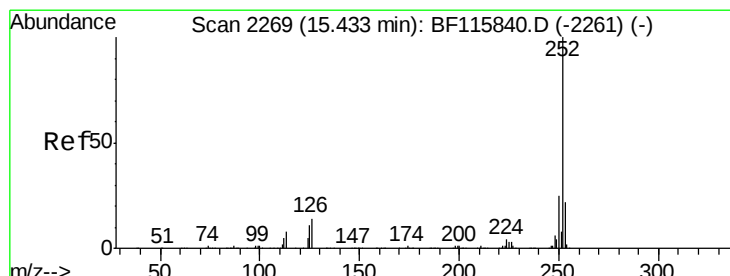
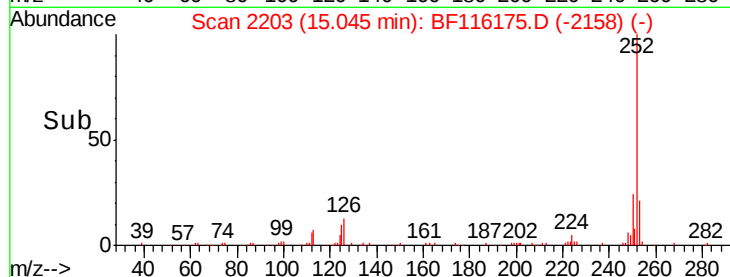
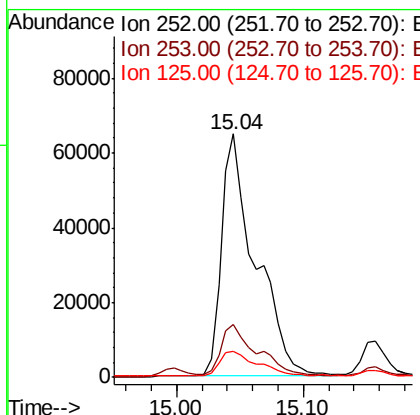
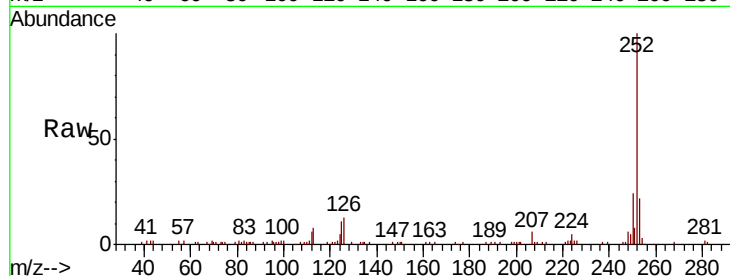




#89
Benzo(k)fluoranthene
Concen: 8.392 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

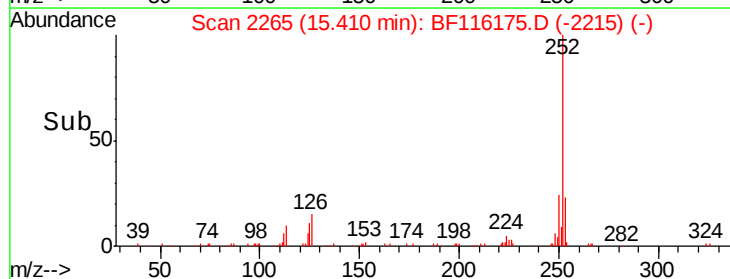
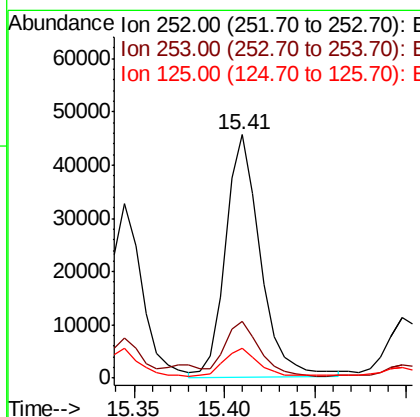
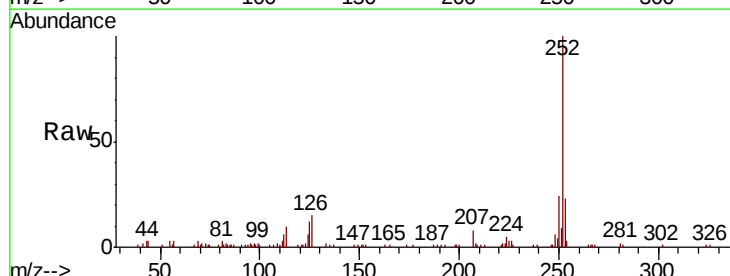
Instrument :
BNA_F
ClientSampleId :

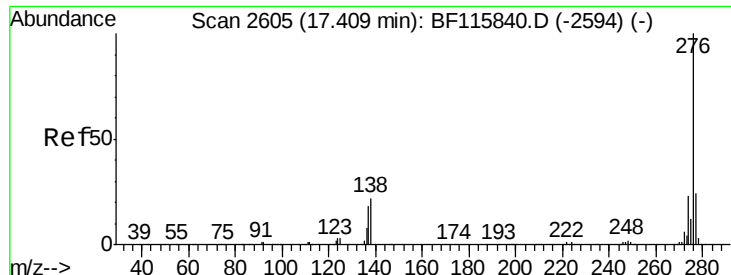
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.9	7.7	11.5



#90
Benzo(a)pyrene
Concen: 4.614 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116175.D
Acq: 11 Aug 2019 4:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.2	8.9	13.3

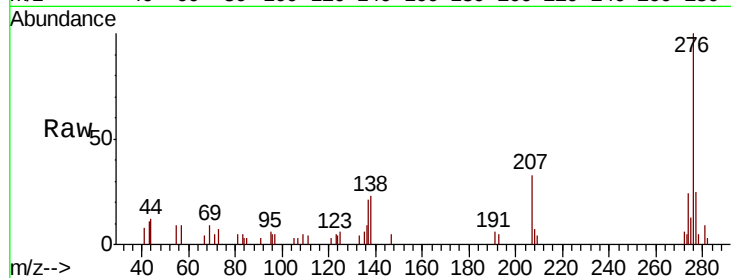




#92
 Benzo(a,h,i)perylene
 Concen: 2.691 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.02 min
 Lab File: BF116175.D
 Acq: 11 Aug 2019 4:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.4	27.6
138	23.5	17.0	25.6



Abundance Ion 276.00 (275.70 to 276.70): E
 15000 Ion 277.00 (276.70 to 277.70): E
 10000 Ion 138.00 (137.70 to 138.70): E

