

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116832.D
 Acq On : 5 Sep 2019 12:41
 Operator : HP/JU
 Sample : K4574-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 14:23:45 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	91260	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	367322	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	193514	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	305261	20.00	ng	0.00
76) Chrysene-d12	14.00	240	221298	20.00	ng	0.00
87) Perylene-d12	15.47	264	201097	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	393292	69.82	ng	0.00
7) Phenol-d6	6.48	99	534457	72.25	ng	0.00
23) Nitrobenzene-d5	7.40	82	314966	48.95	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	95767	74.03	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	586810	51.15	ng	-0.01
79) Terphenyl-d14	12.94	244	527279	44.08	ng	0.00

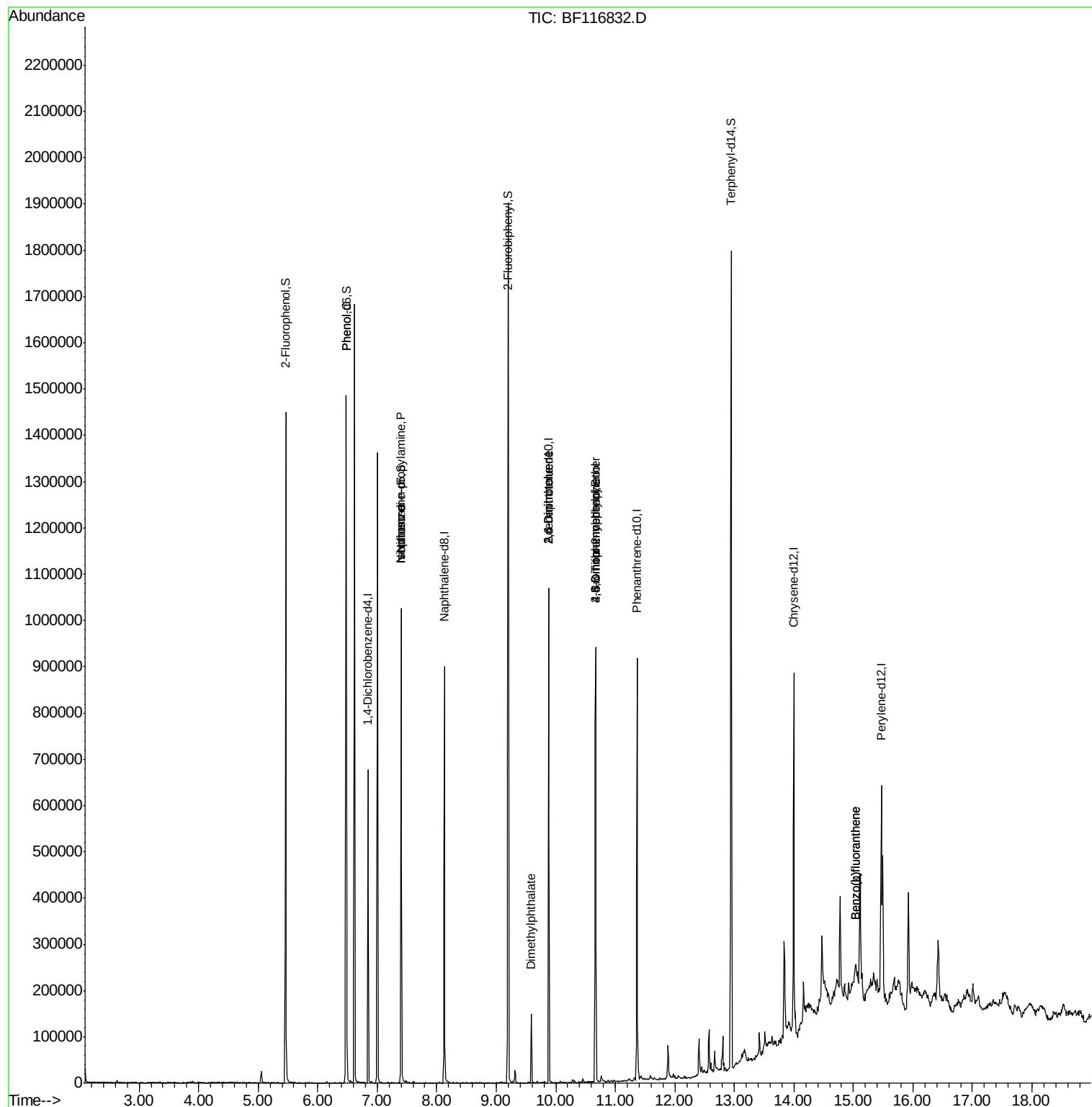
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	17442	2.129	ng	# 73
19) n-Nitroso-di-n-propylamine	7.40	70	40868	8.391	ng	# 74
25) Isophorone	7.40	82	314963	24.157	ng	# 66
50) Dimethylphthalate	9.59	163	59728	4.471	ng	# 96
51) 2,6-Dinitrotoluene	9.88	165	24606	9.653	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	24606	7.895	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	114	7.537	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	6426	2.072	ng	# 1
88) Benzo(b)fluoranthene	15.04	252	25841	2.125	ng	# 78
89) Benzo(k)fluoranthene	15.04	252	25841	2.331	ng	# 78

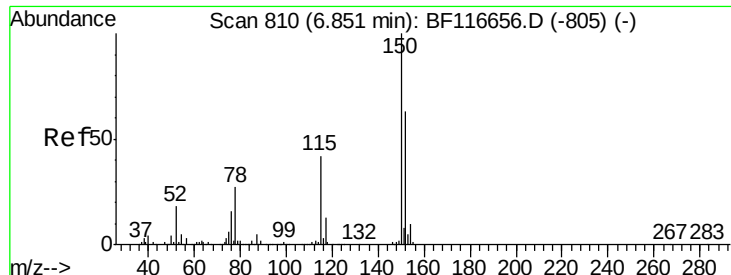
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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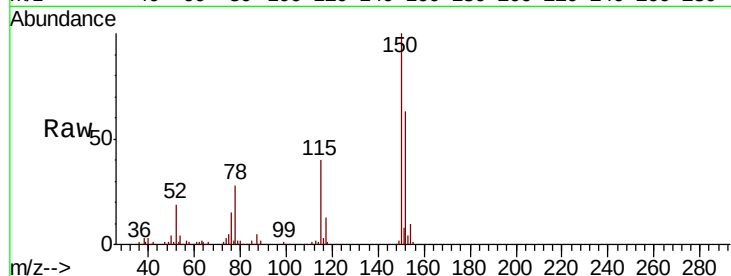


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.4	186.6
115	63.9	49.9	74.9

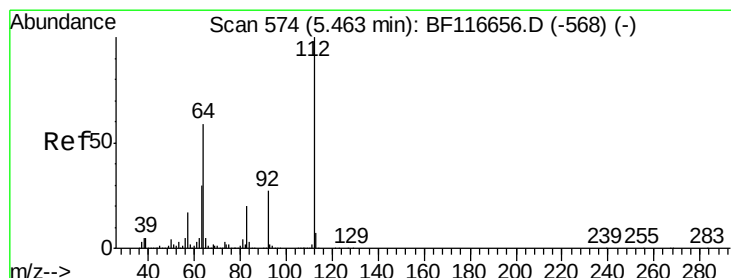
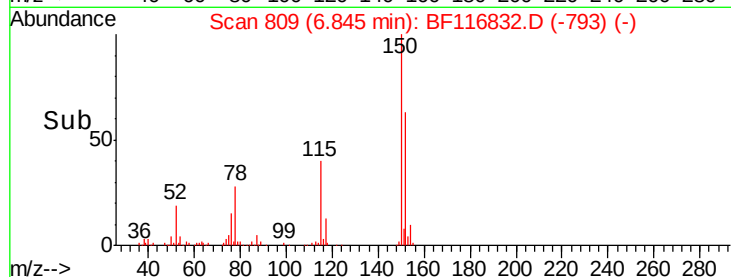
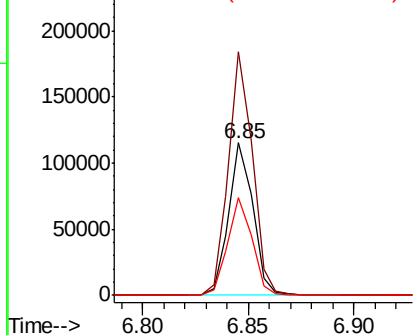


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

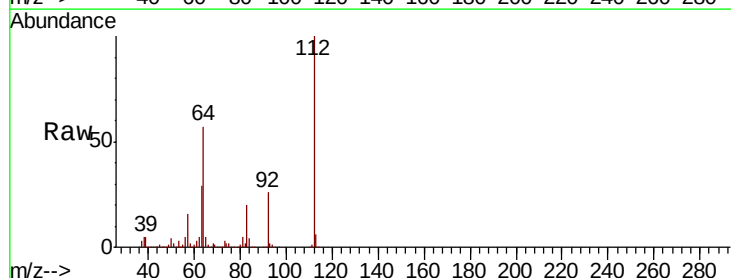
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.818 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.1	70.7
63	29.3	24.9	37.3

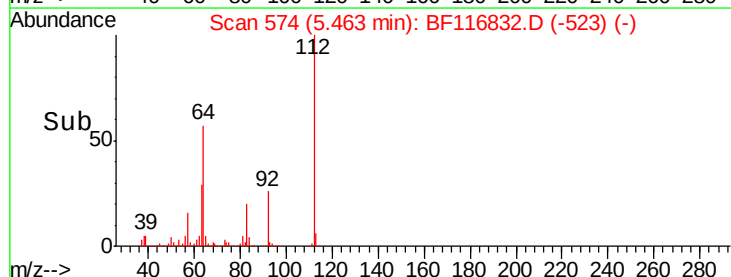
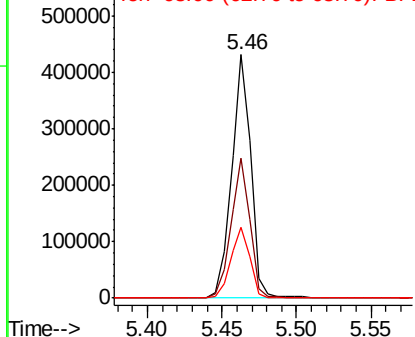


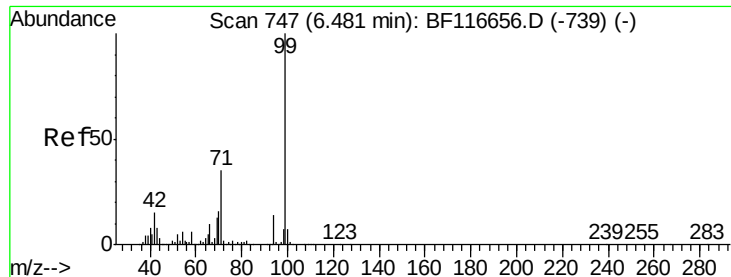
Abundance

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: 72.254 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116832.D

Acq: 5 Sep 2019 12:41

Instrument :

BNA_F

ClientSampleId :

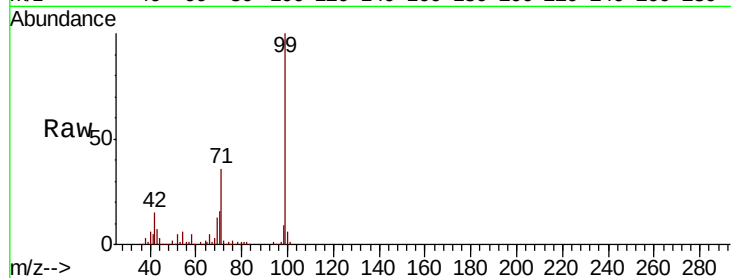
Tot Ion: 99 Resp: 534457

Ion Ratio Lower Upper

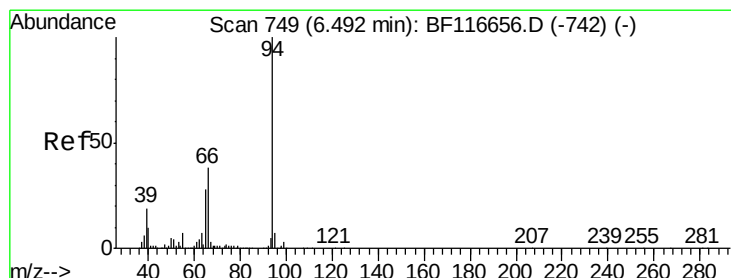
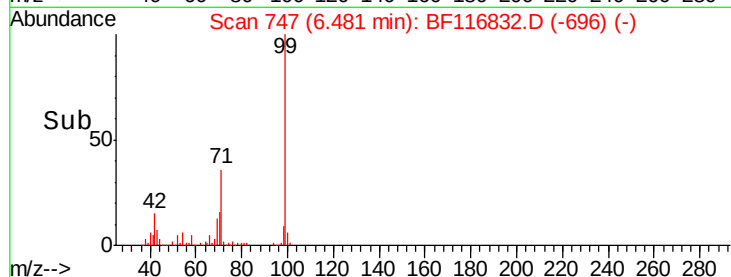
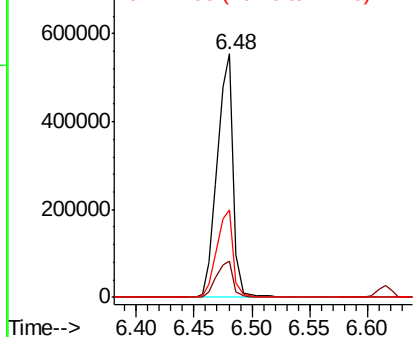
99 100

42 15.1 13.7 20.5

71 36.1 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



#10

Phenol

Concen: 2.129 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116832.D

Acq: 5 Sep 2019 12:41

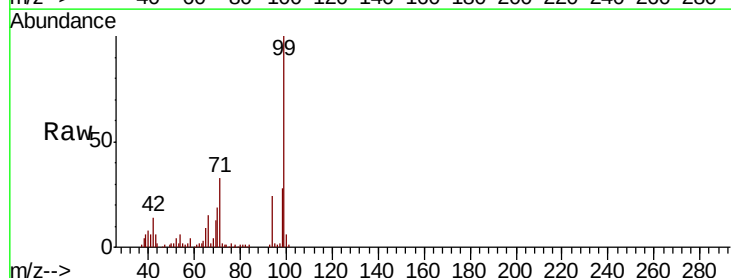
Tgt Ion: 94 Resp: 17442

Ion Ratio Lower Upper

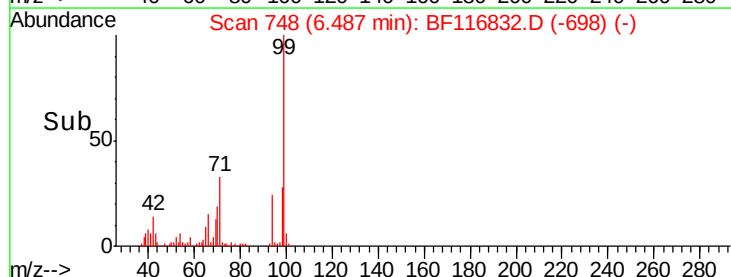
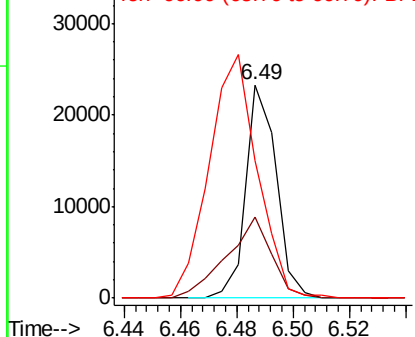
94 100

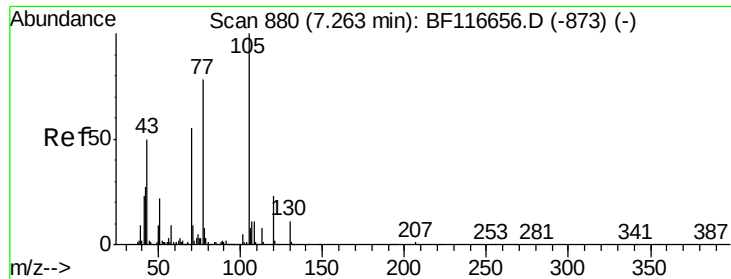
65 38.1 10.8 50.8

66 64.2 21.1 61.1#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

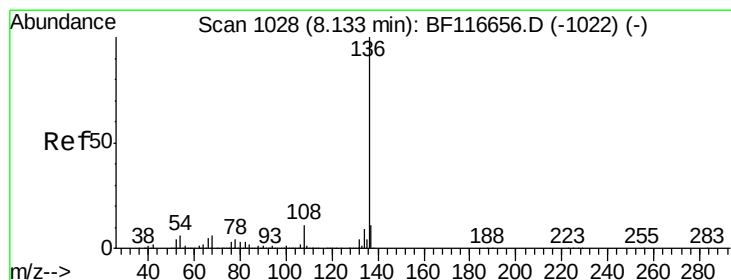
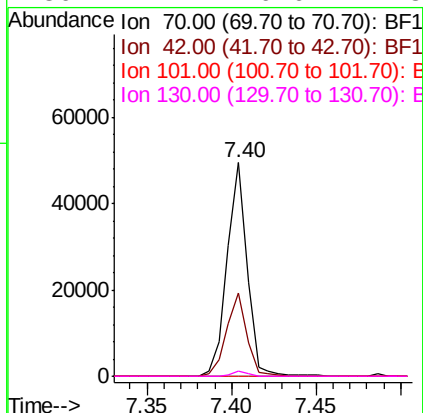
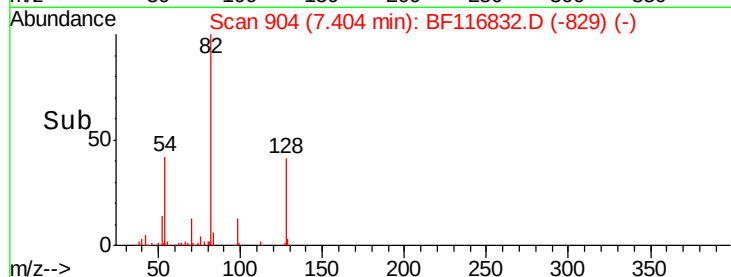
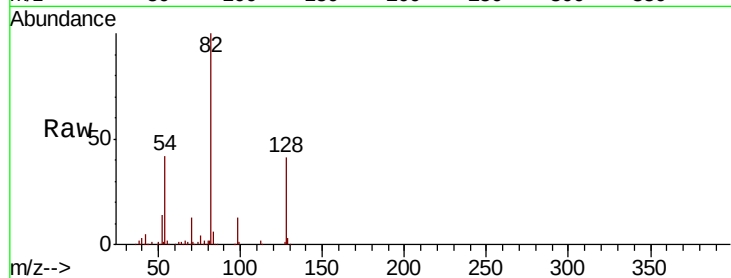




#19
n-Nitroso-di-n-propylamine
Concen: 8.391 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

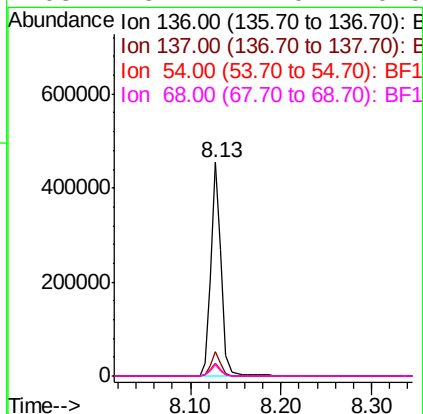
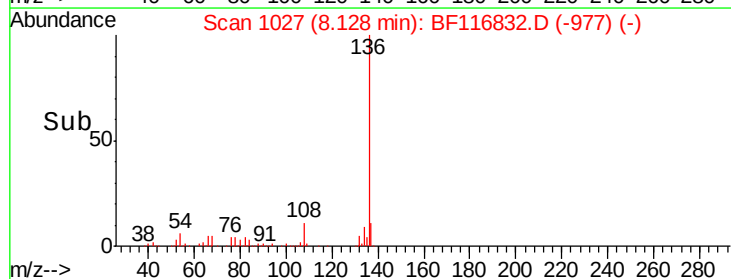
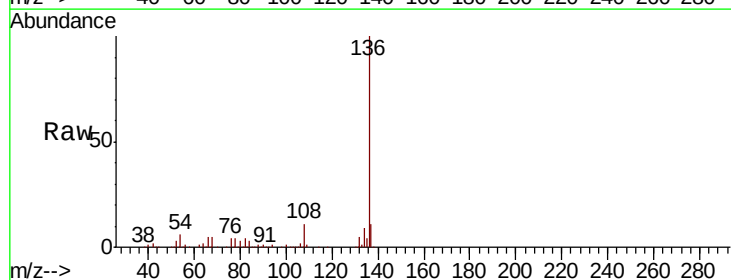
Instrument :
BNA_F
ClientSampleId :

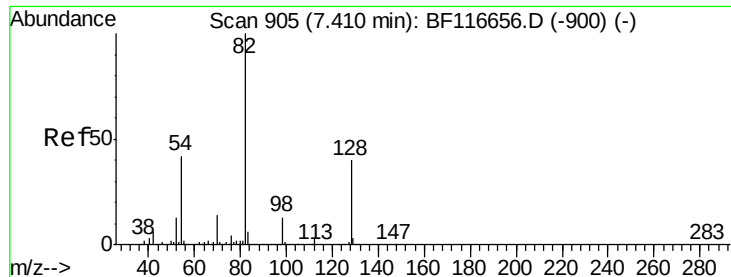
Tot Ion	Ratio	Lower	Upper
70	100		
42	39.2	43.5	65.3#
101	0.0	7.8	11.6#
130	2.4	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.1	4.8	7.2
68	5.1	4.0	6.0

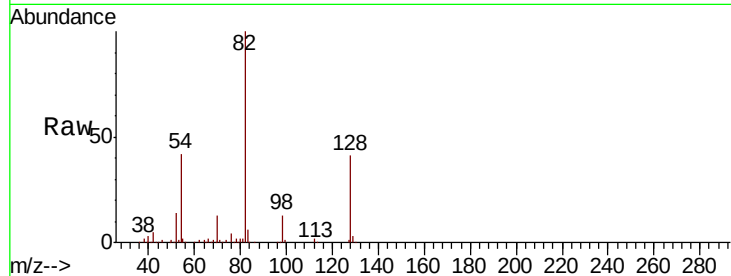




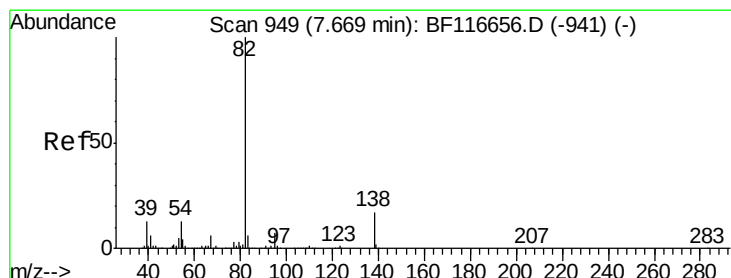
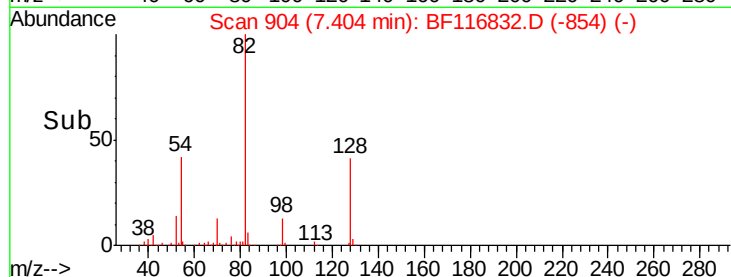
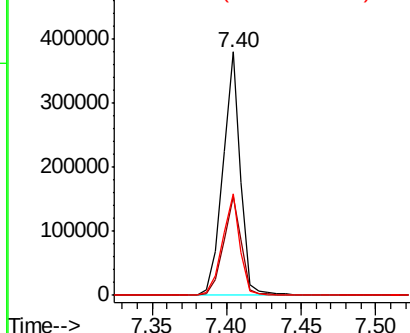
#23
Nitrobenzene-d5
Concen: 48.950 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	314966
Ion Ratio	Lower	Upper	
82	100		
128	40.8	32.8	49.2
54	41.6	36.9	55.3

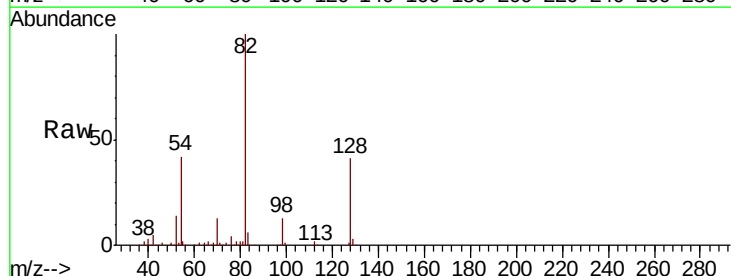


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

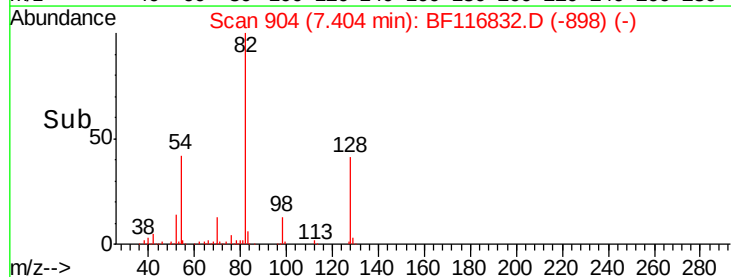
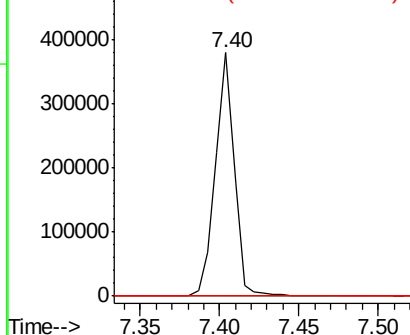


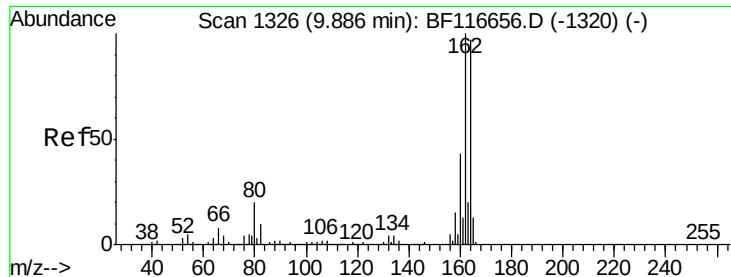
#25
Isophorone
Concen: 24.157 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Tgt Ion	82	Resp	314963
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

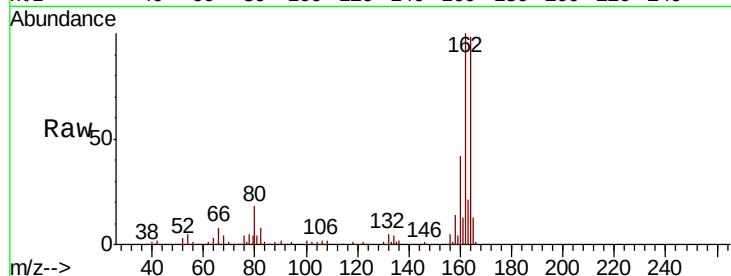




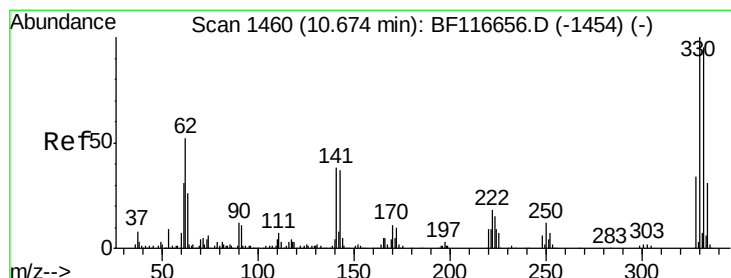
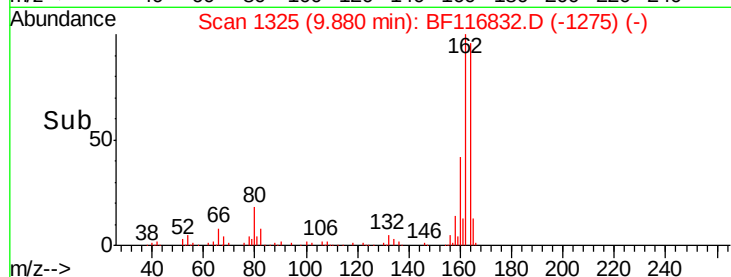
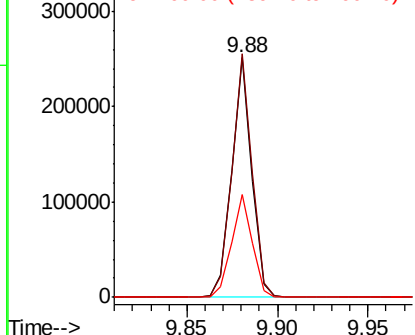
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 193514
Ion Ratio Lower Upper
164 100
162 101.8 81.4 122.0
160 42.8 35.4 53.2

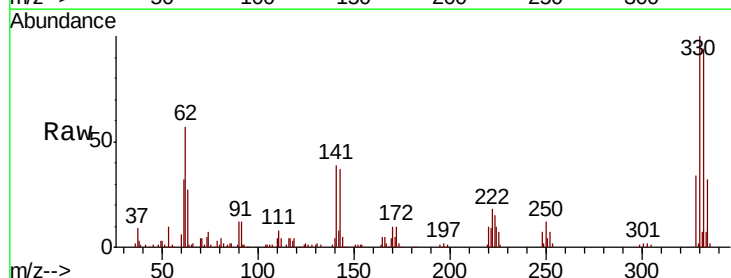


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

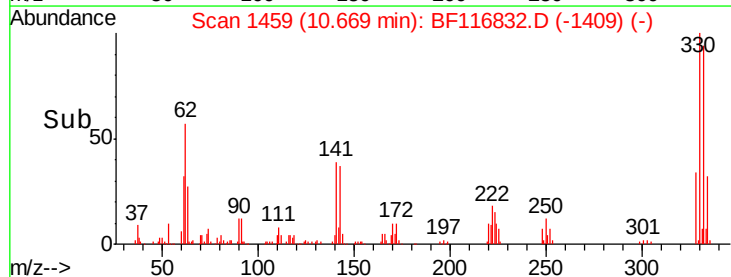
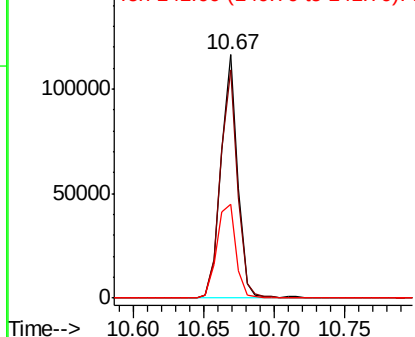


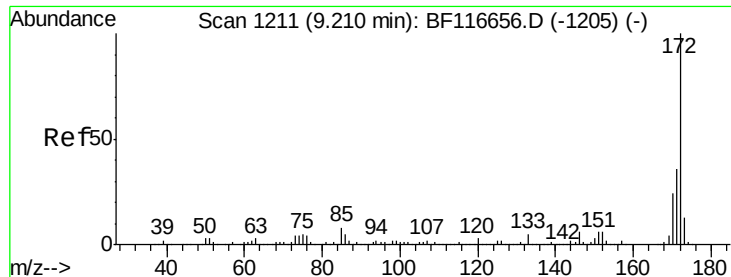
#42
2,4,6-Tribromophenol
Concen: 74.027 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Tgt Ion:330 Resp: 95767
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 44.1 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

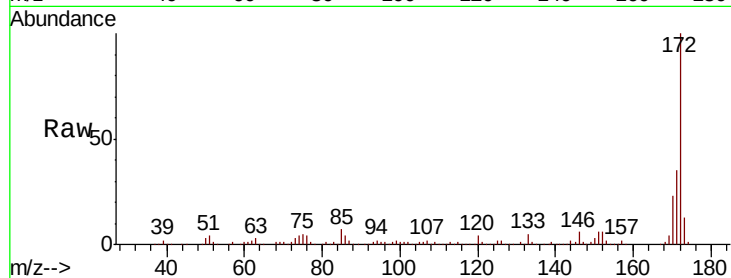




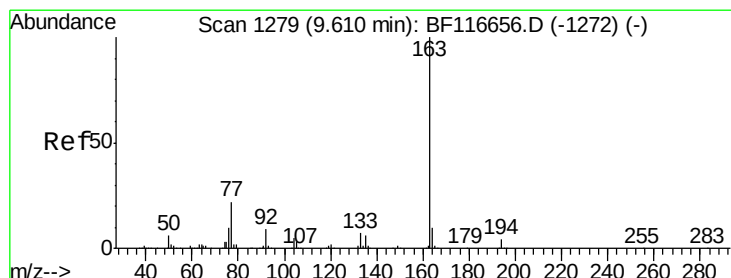
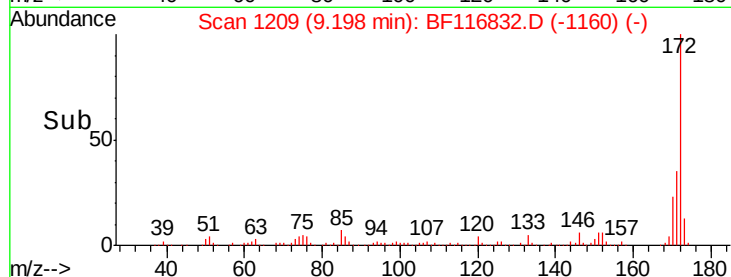
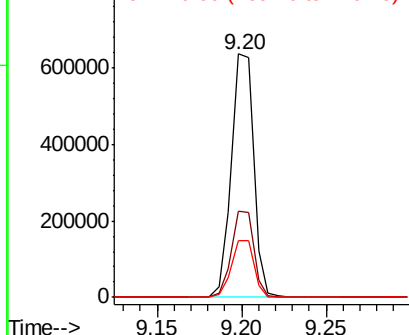
#45
2-Fluorobiphenyl
Concen: 51.153 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 586810
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.6
170 23.3 18.9 28.3

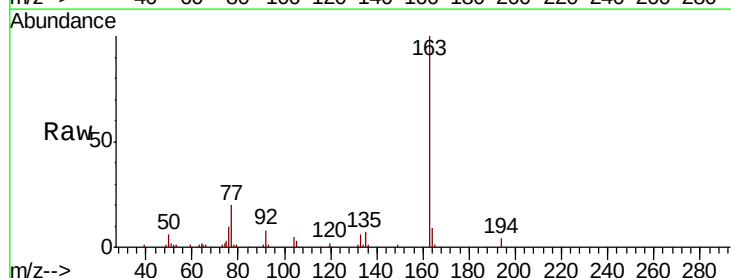


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

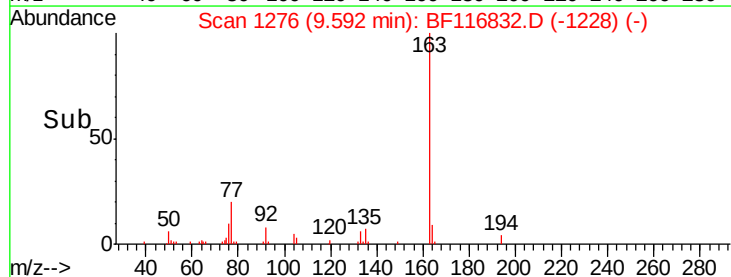
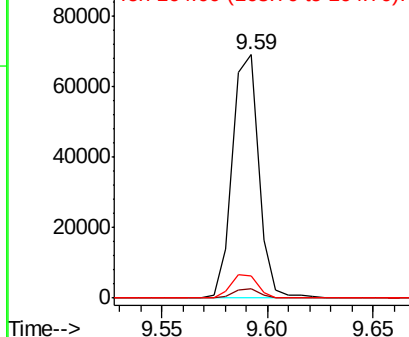


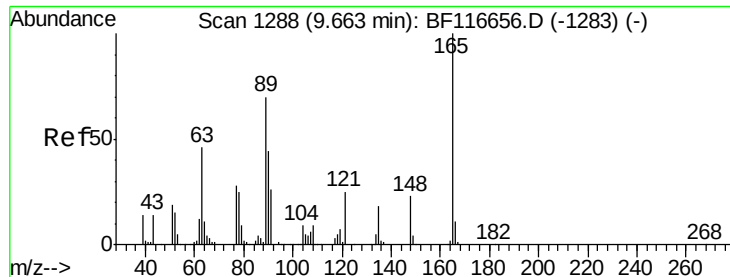
#50
Dimethylphthalate
Concen: 4.471 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Tgt Ion:163 Resp: 59728
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.1 8.6 12.8



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





#51

2,6-Dinitrotoluene

Concen: 9.653 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116832.D

Acq: 5 Sep 2019 12:41

Instrument :

BNA_F

ClientSampleId :

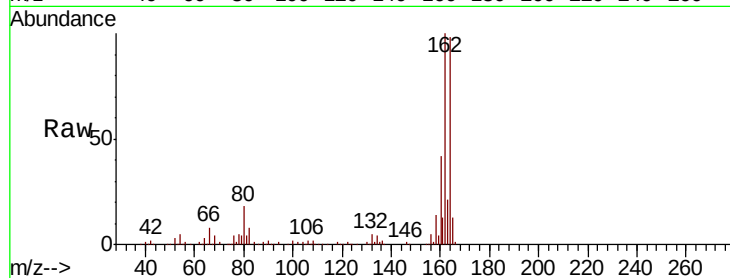
Tot Ion:165 Resp: 24606

Ion Ratio Lower Upper

165 100

63 1.2 47.3 70.9#

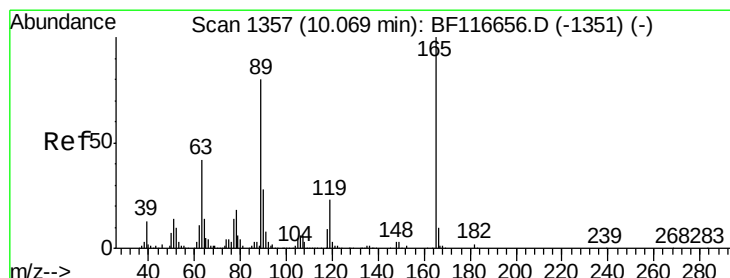
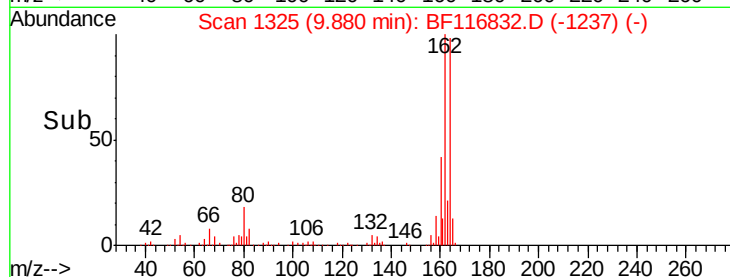
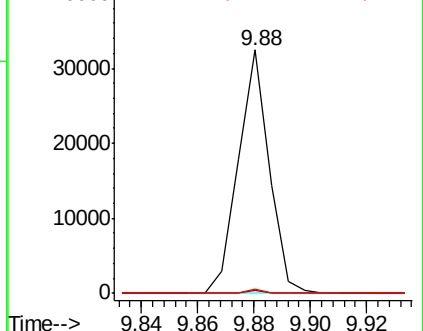
89 1.7 52.5 78.7#



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



#57

2,4-Dinitrotoluene

Concen: 7.895 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116832.D

Acq: 5 Sep 2019 12:41

Tgt Ion:165 Resp: 24606

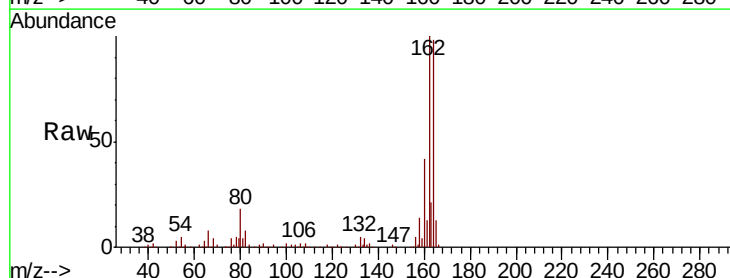
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.7 62.6 94.0#

182 0.0 2.1 3.1#

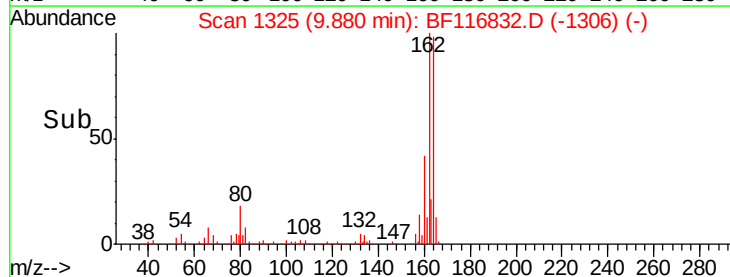
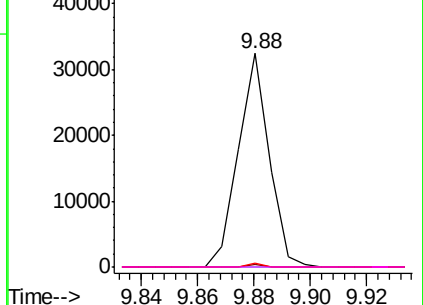


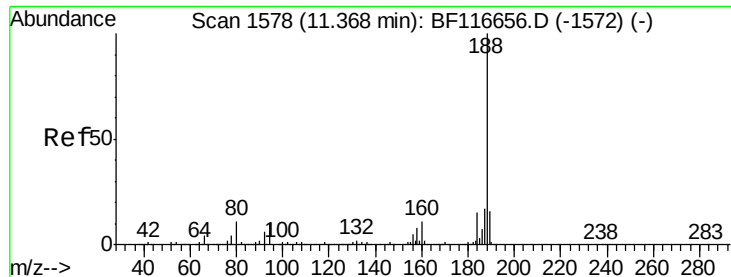
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1577

Delta R.T. -0.01 min

Lab File: BF116832.D

Acq: 5 Sep 2019 12:41

Instrument :

BNA_F

ClientSampleId :

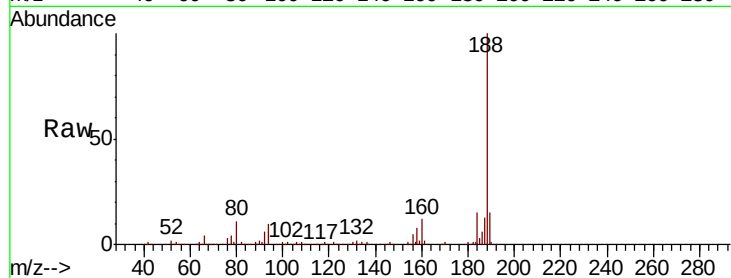
Tot Ion:188 Resp: 305261

Ion Ratio Lower Upper

188 100

94 9.8 7.3 10.9

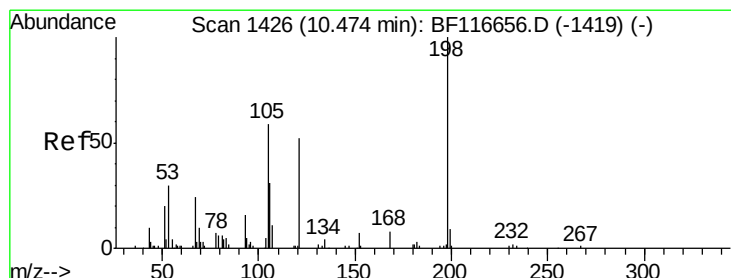
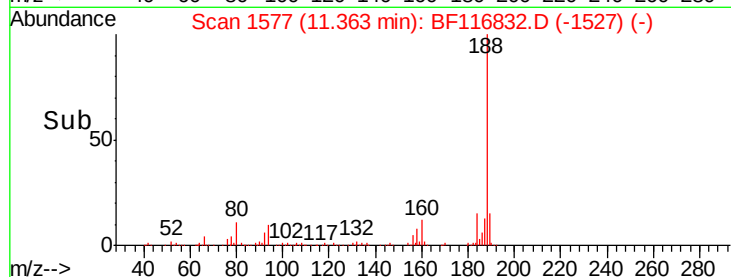
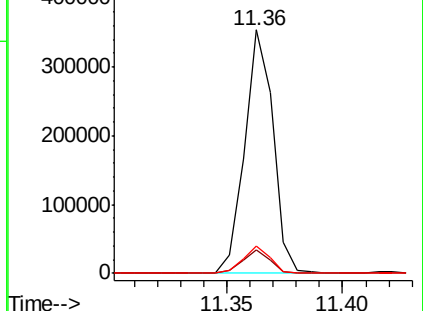
80 11.1 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.537 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF116832.D

Acq: 5 Sep 2019 12:41

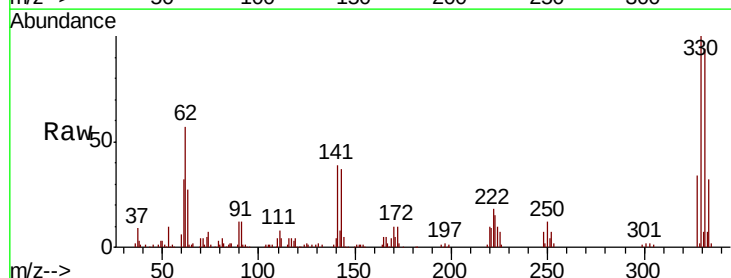
Tgt Ion:198 Resp: 114

Ion Ratio Lower Upper

198 100

51 188.3 18.4 58.4#

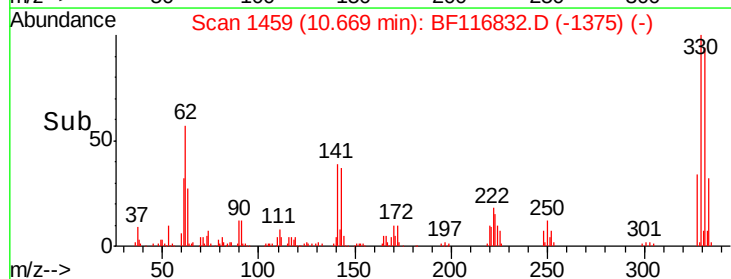
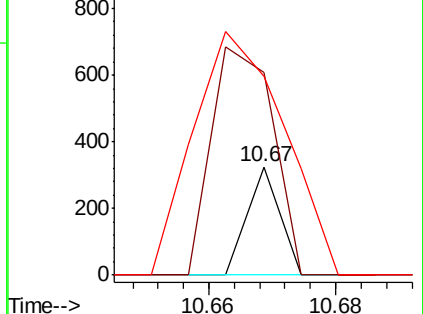
105 184.6 22.9 62.9#

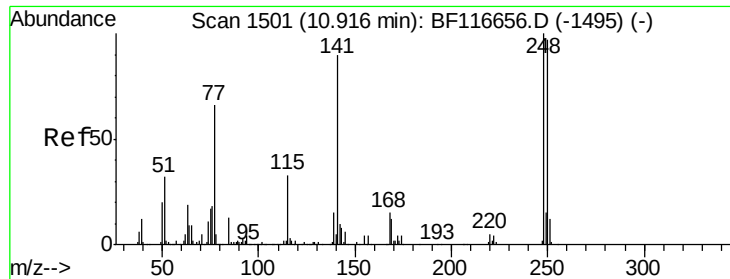


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

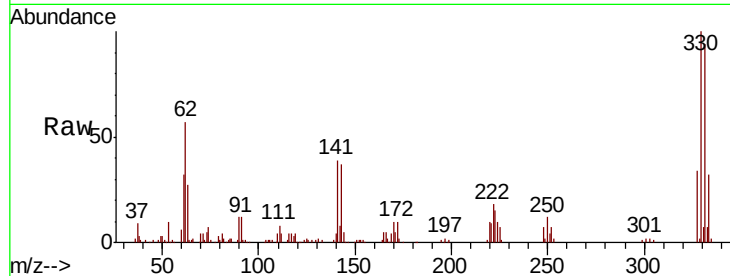




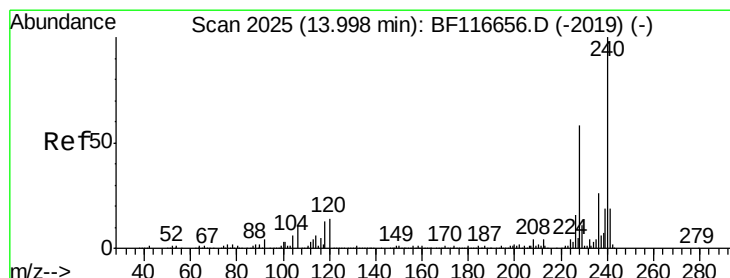
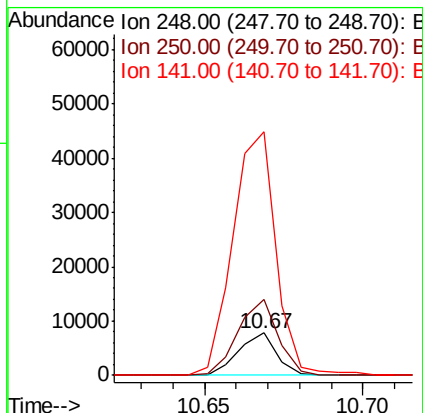
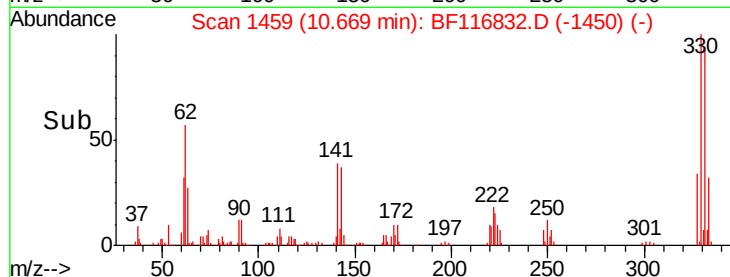
#67
4-Bromophenyl-phenylether
Concen: 2.072 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6426
Ion Ratio Lower Upper
248 100
250 181.7 77.8 116.8#
141 578.4 75.9 113.9#

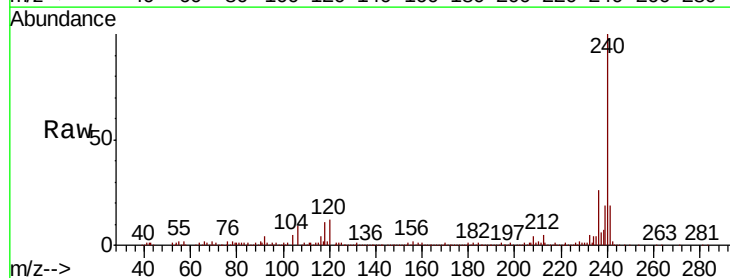


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

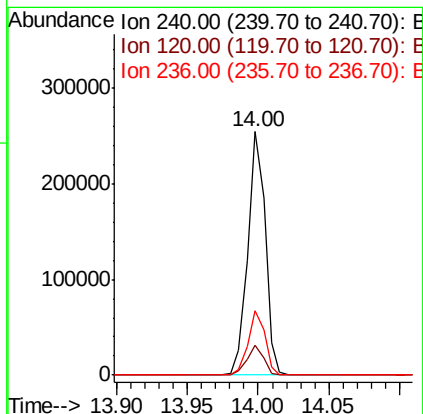
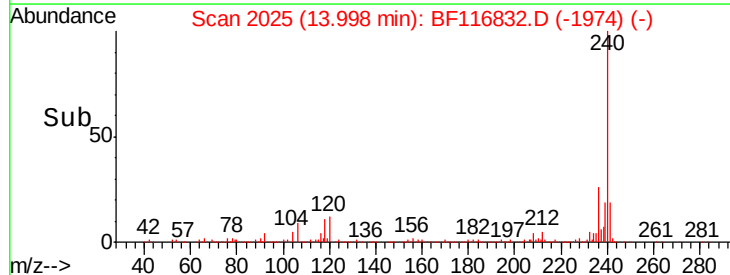


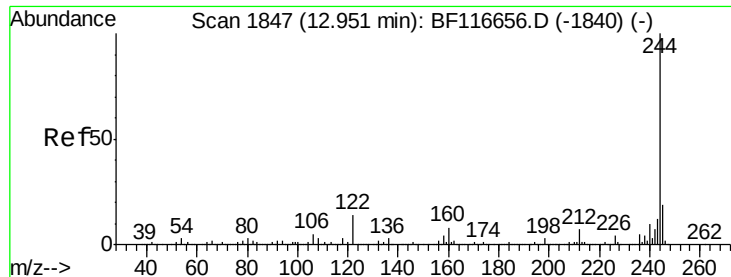
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Tgt Ion:240 Resp: 221298
Ion Ratio Lower Upper
240 100
120 12.3 9.1 13.7
236 26.4 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

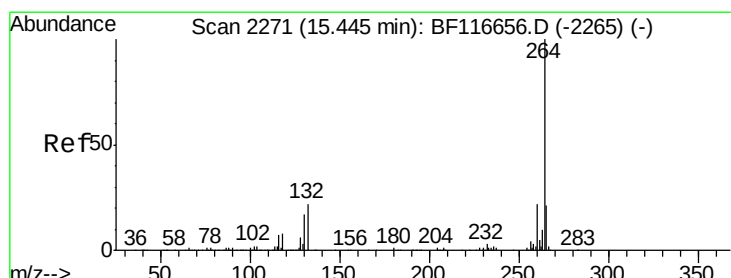
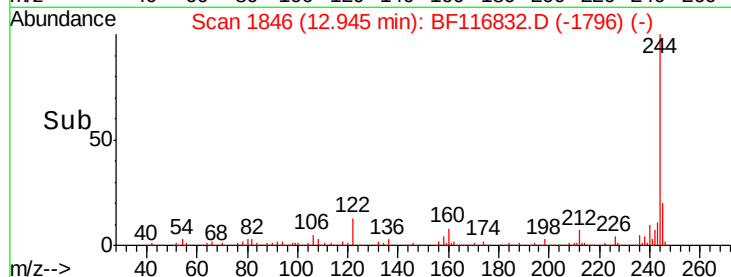
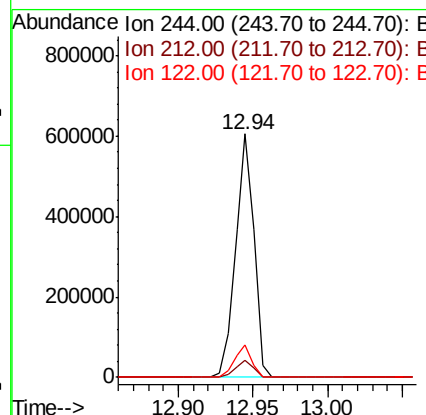
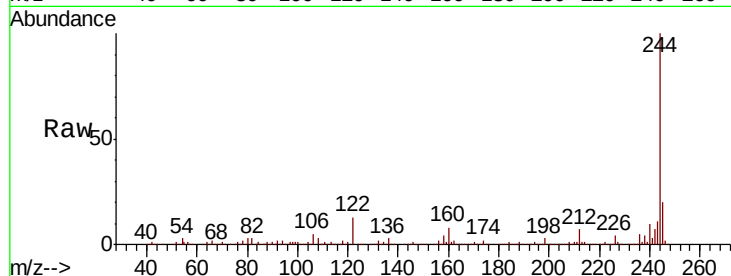




#79
 Terphenyl-d14
 Concen: 44.078 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116832.D
 Acq: 5 Sep 2019 12:41

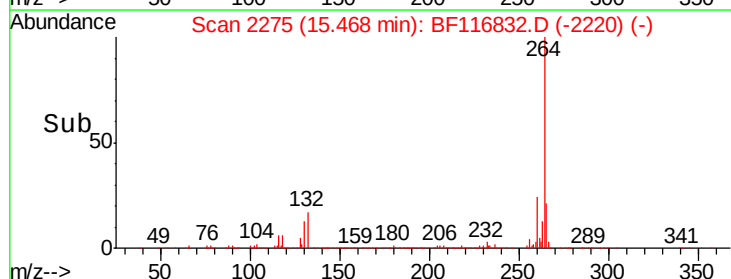
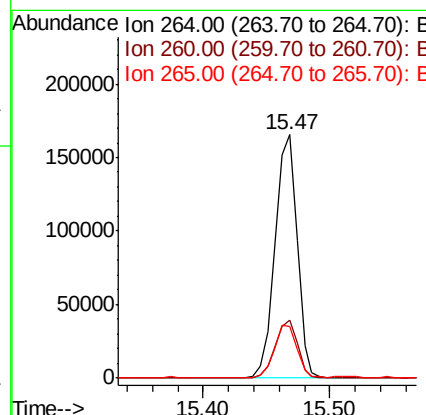
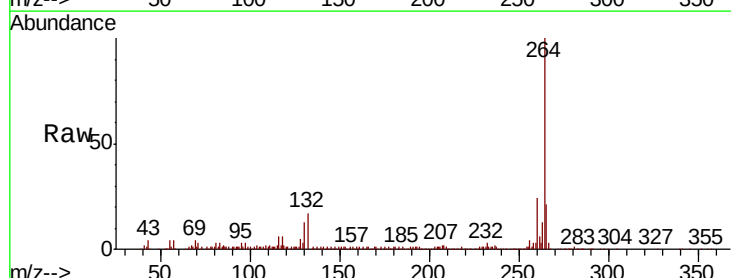
Instrument :
 BNA_F
 ClientSampleId :

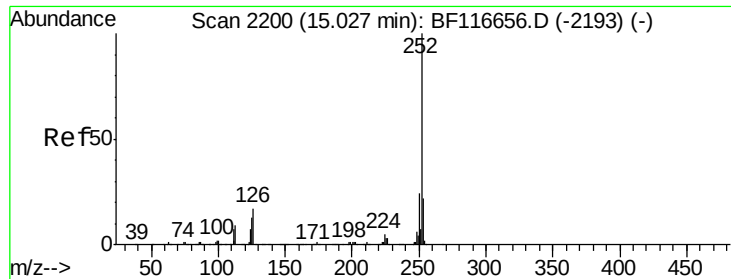
Tot Ion:244 Resp: 527279
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 13.1 10.2 15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.02 min
 Lab File: BF116832.D
 Acq: 5 Sep 2019 12:41

Tgt Ion:264 Resp: 201097
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.3 27.5
 265 21.2 16.5 24.7

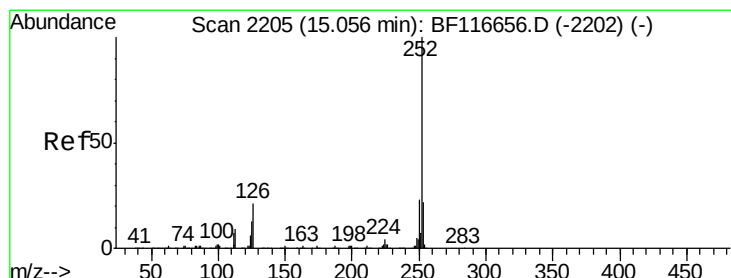
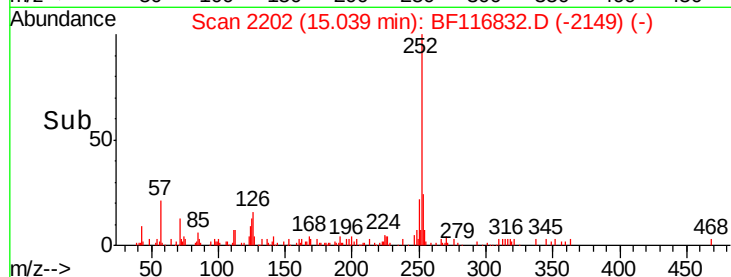
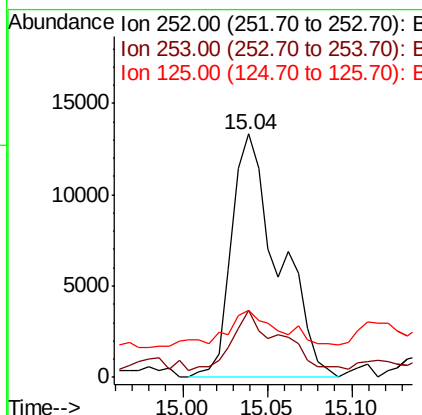
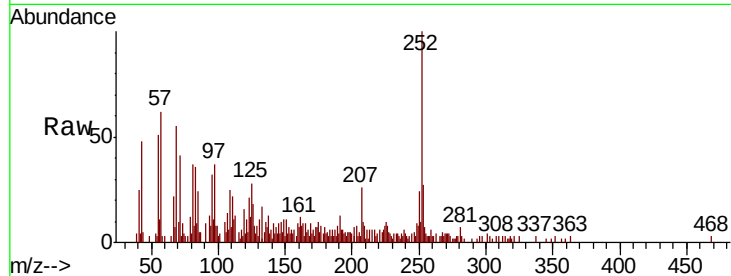




#88
Benzo(b)fluoranthene
Concen: 2.125 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.7	26.5#
125	27.6	8.2	12.2#



#89
Benzo(k)fluoranthene
Concen: 2.331 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF116832.D
Acq: 5 Sep 2019 12:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.7	26.5#
125	27.6	8.6	13.0#

