

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116821.D
 Acq On : 4 Sep 2019 17:48
 Operator : HP/JU
 Sample : K4639-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:08:07 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

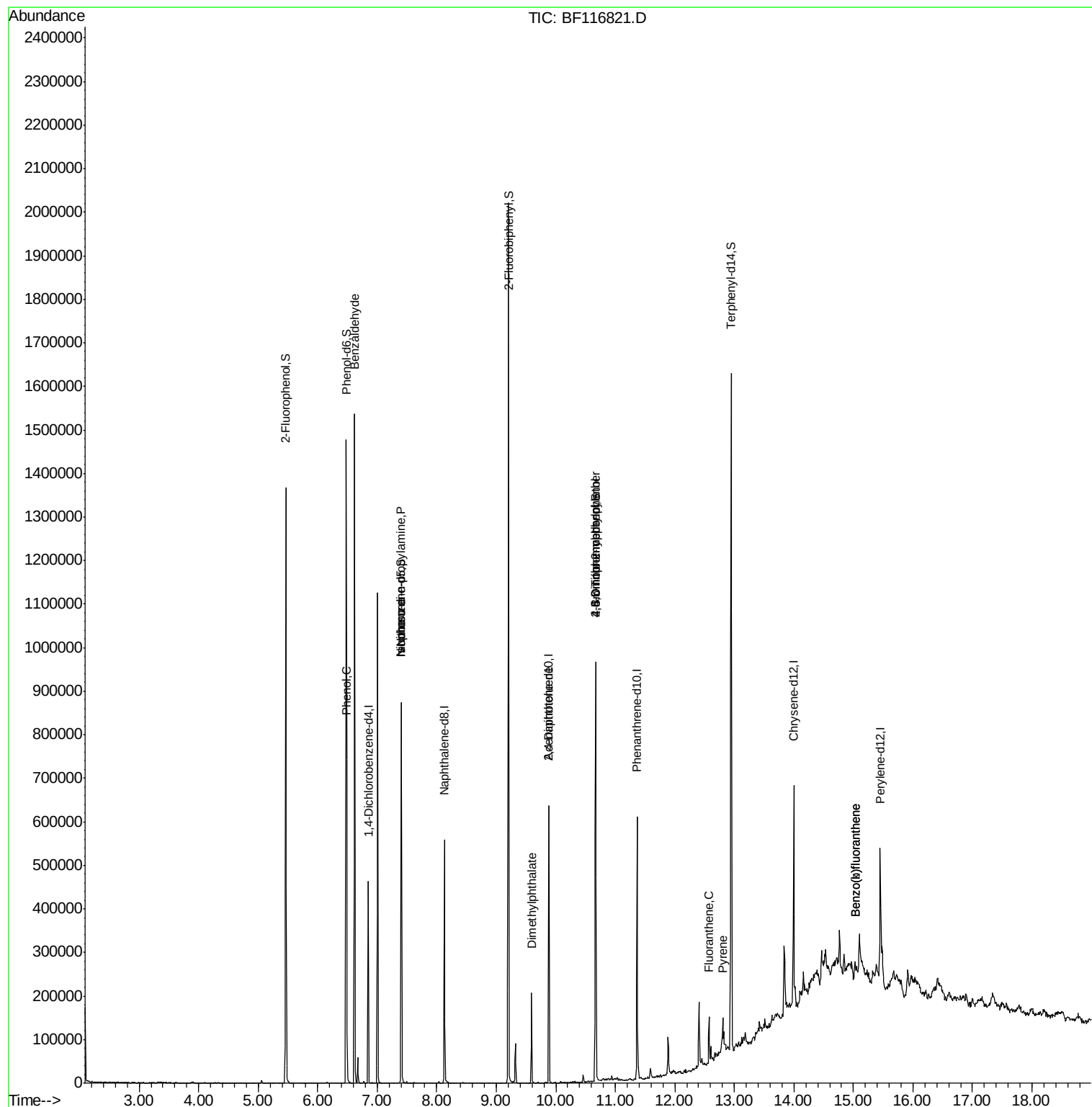
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	67817	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	266641	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	135406	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	205266	20.00	ng	0.00
76) Chrysene-d12	14.00	240	149167	20.00	ng	0.00
87) Perylene-d12	15.45	264	140831	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	368420	88.01	ng	0.00
7) Phenol-d6	6.48	99	496172	90.27	ng	0.00
23) Nitrobenzene-d5	7.40	82	301798	64.61	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	91352	100.92	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	549405	68.45	ng	0.00
79) Terphenyl-d14	12.94	244	468887	58.15	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	9561	2.640	ng	85
10) Phenol	6.49	94	14031	2.305	ng	97
19) n-Nitroso-di-n-propylamine	7.40	70	38544	10.650	ng	# 73
25) Isophorone	7.40	82	301793	31.887	ng	# 66
50) Dimethylphthalate	9.59	163	73083	7.818	ng	99
57) 2,4-Dinitrotoluene	9.88	165	17101	7.841	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.67	198	111	7.575	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	5700	2.734	ng	# 1
75) Fluoranthene	12.57	202	34297	3.054	ng	97
78) Pyrene	12.80	202	28918	2.181	ng	98
88) Benzo(b)fluoranthene	15.03	252	28113	3.302	ng	# 79
89) Benzo(k)fluoranthene	15.03	252	28113	3.621	ng	# 80

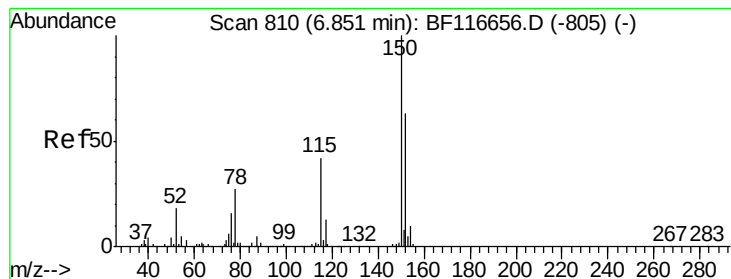
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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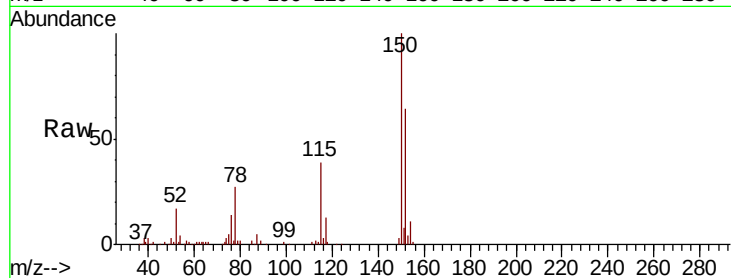


#1

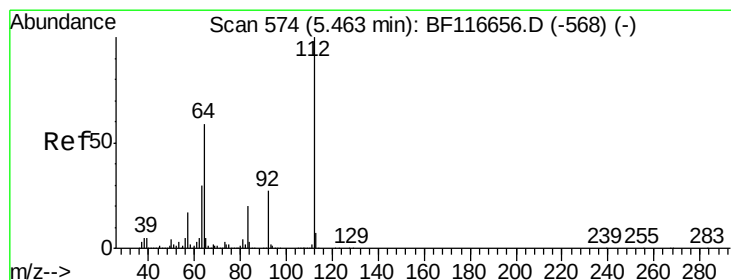
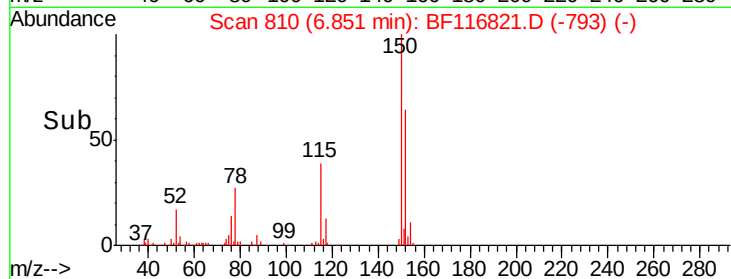
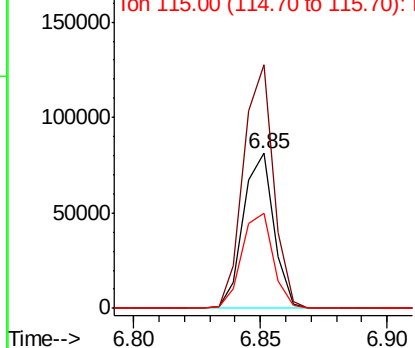
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67817
Ion Ratio Lower Upper
152 100
150 157.0 124.4 186.6
115 61.1 49.9 74.9



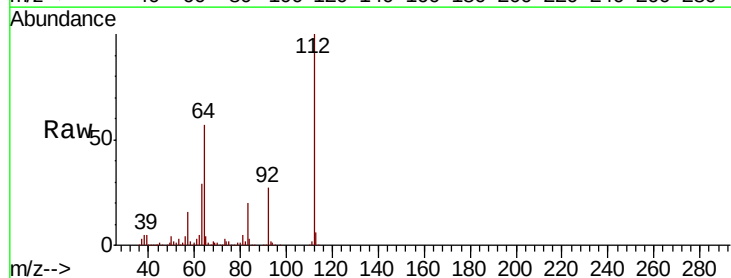
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



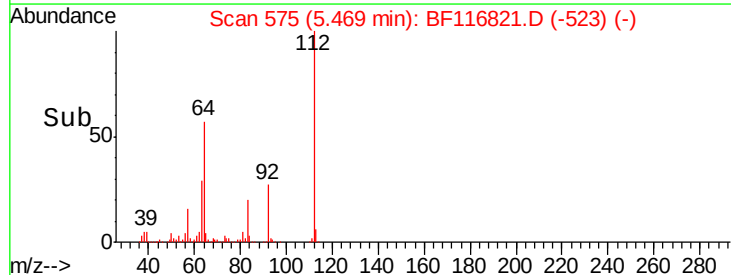
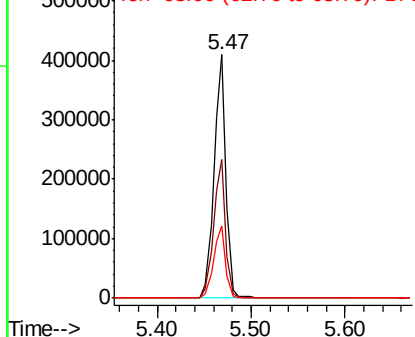
#5

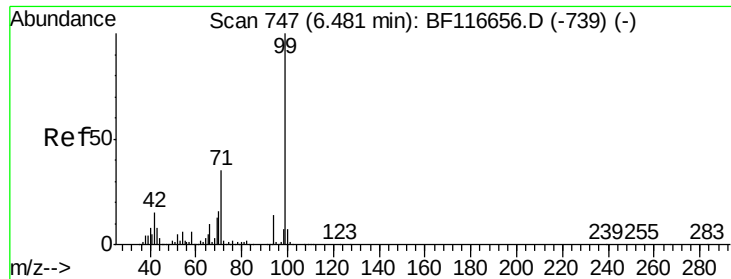
2-Fluorophenol
Concen: 88.011 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Tgt Ion:112 Resp: 368420
Ion Ratio Lower Upper
112 100
64 57.1 47.1 70.7
63 29.4 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: 90.266 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116821.D

Acq: 4 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

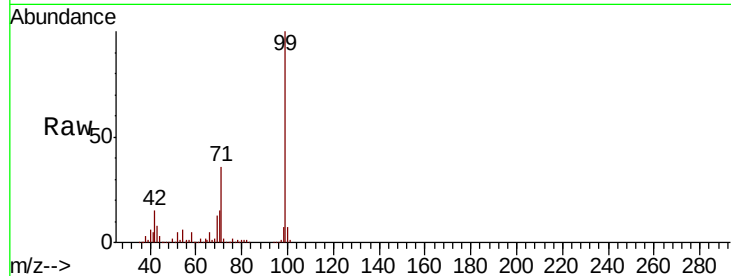
Tot Ion: 99 Resp: 496172

Ion Ratio Lower Upper

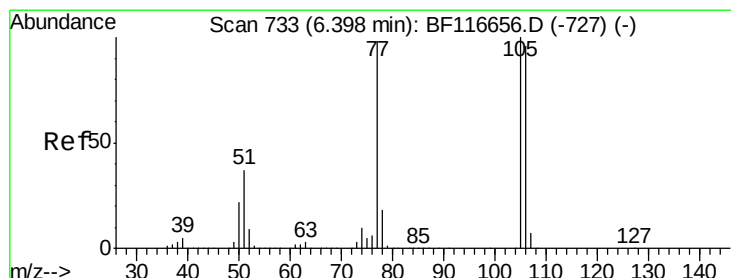
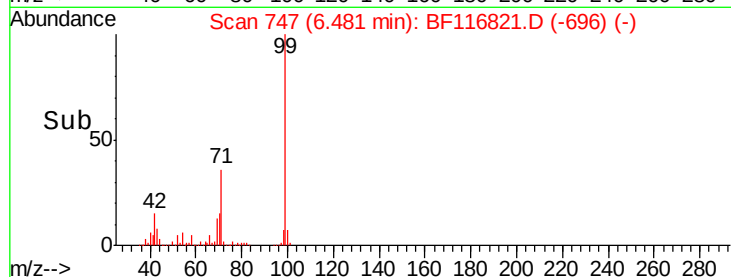
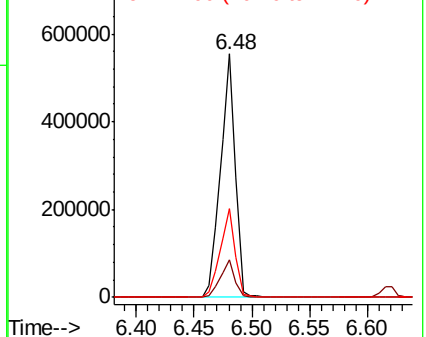
99 100

42 15.5 13.7 20.5

71 36.4 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



#9

Benzaldehyde

Concen: 2.640 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.22 min

Lab File: BF116821.D

Acq: 4 Sep 2019 17:48

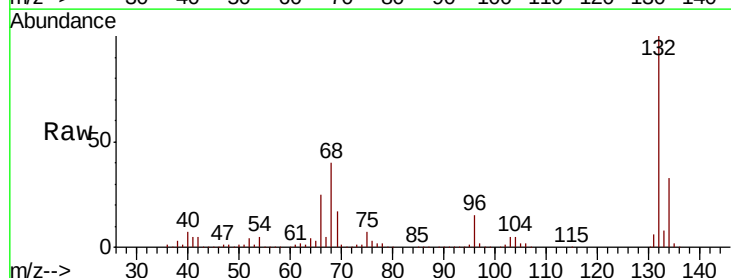
Tgt Ion: 77 Resp: 9561

Ion Ratio Lower Upper

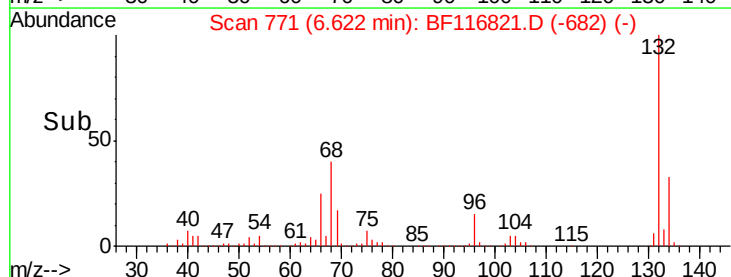
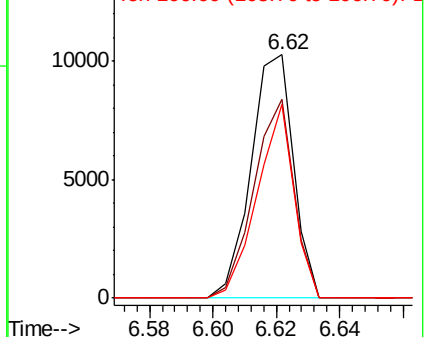
77 100

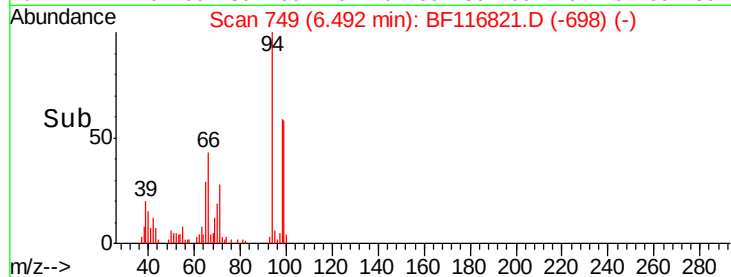
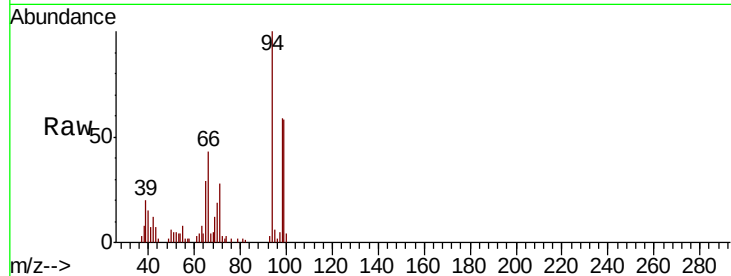
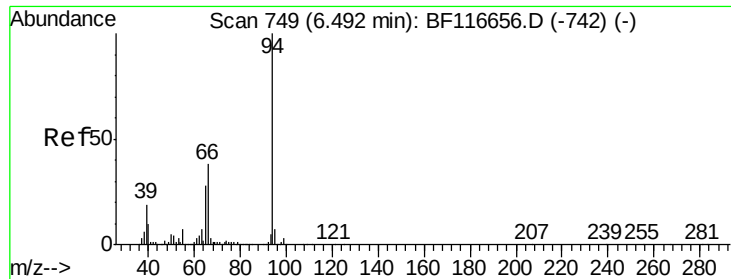
105 81.5 76.7 116.7

106 79.8 73.1 113.1



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.305 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116821.D

Acq: 4 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

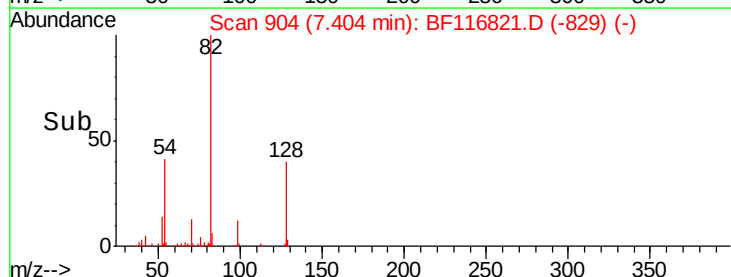
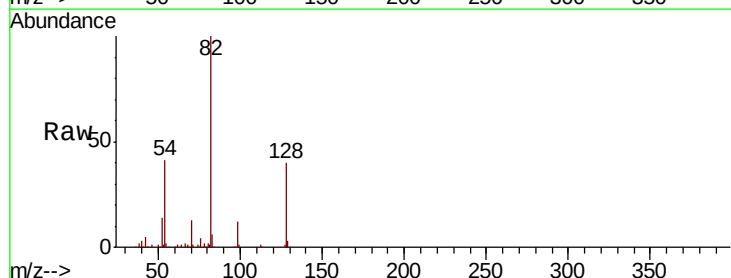
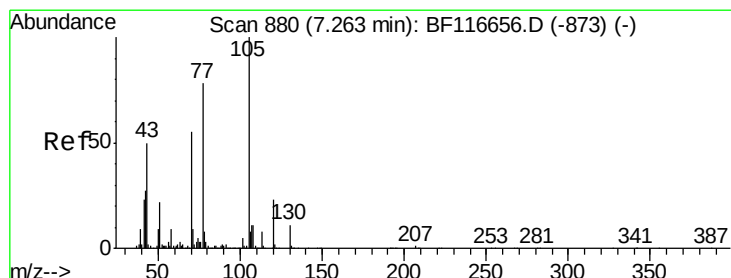
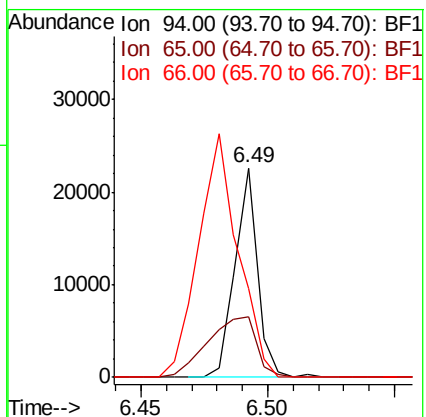
Tot Ion: 94 Resp: 14031

Ion Ratio Lower Upper

94 100

65 28.8 10.8 50.8

66 42.6 21.1 61.1



#19

n-Nitroso-di-n-propylamine

Concen: 10.650 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116821.D

Acq: 4 Sep 2019 17:48

Tgt Ion: 70 Resp: 38544

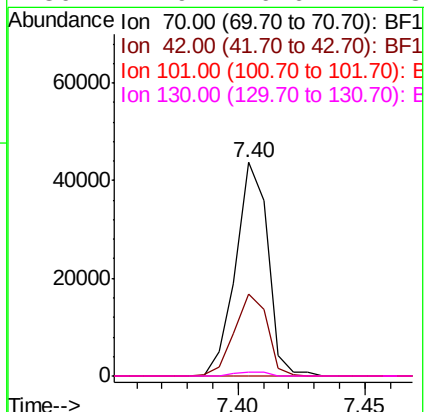
Ion Ratio Lower Upper

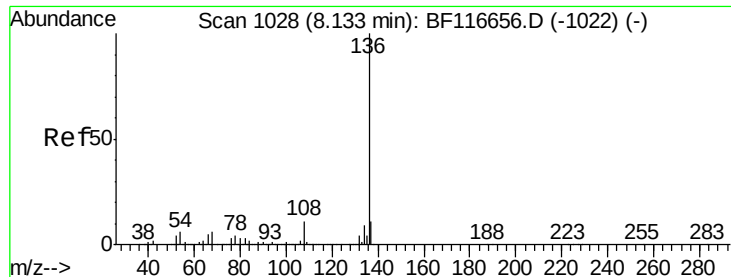
70 100

42 38.2 43.5 65.3#

101 0.0 7.8 11.6#

130 1.9 16.6 24.8#

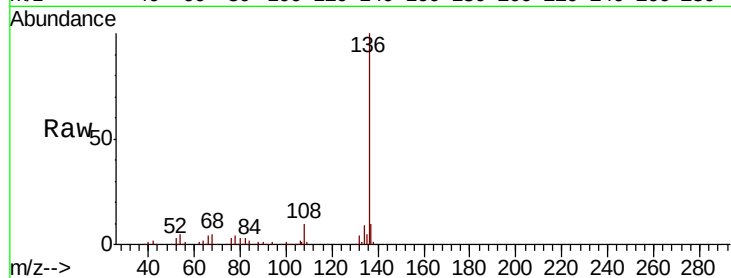




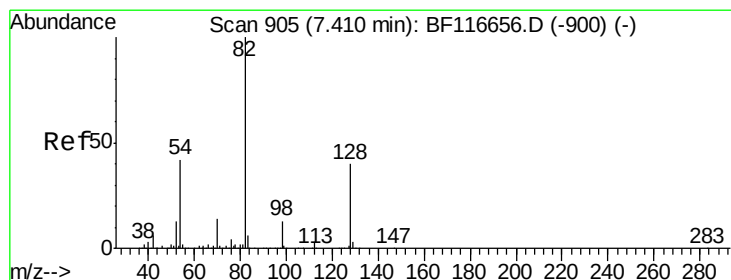
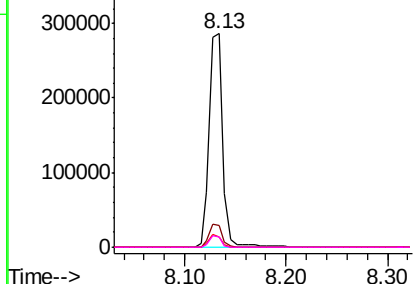
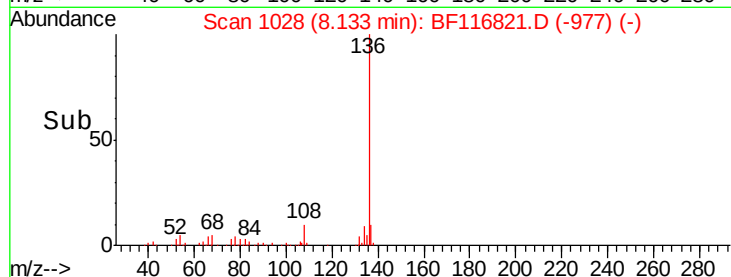
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	266641
Ion Ratio	Lower	Upper
136	100	
137	10.2	8.9 13.3
54	4.5	4.8 7.2#
68	4.5	4.0 6.0

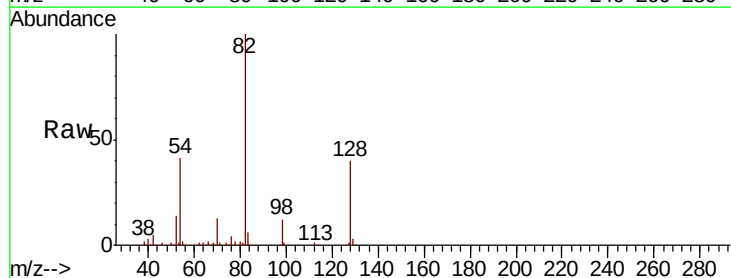


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

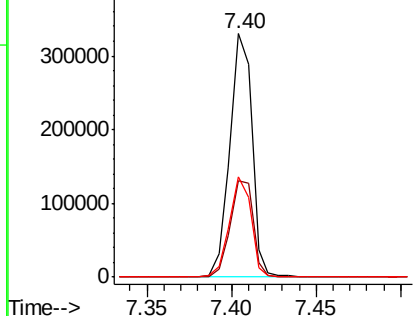
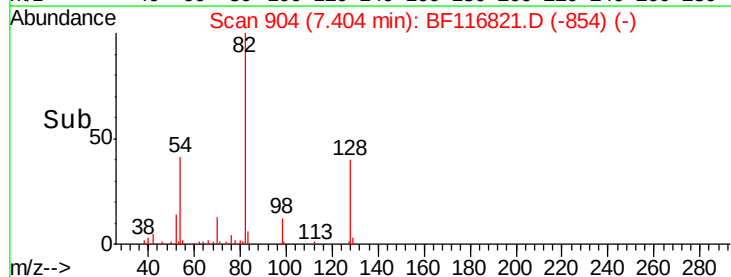


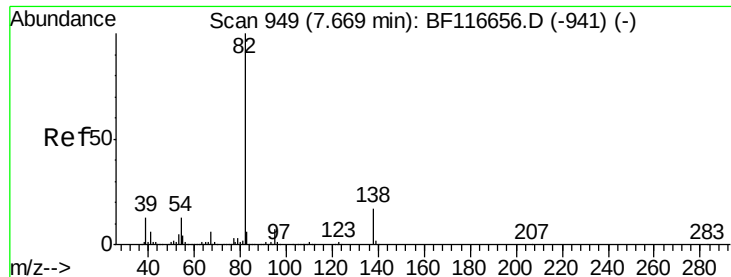
#23
Nitrobenzene-d5
Concen: 64.614 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Tgt Ion: 82	Resp:	301798
Ion Ratio	Lower	Upper
82	100	
128	39.6	32.8 49.2
54	41.1	36.9 55.3



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: 31.887 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116821.D

Acq: 4 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

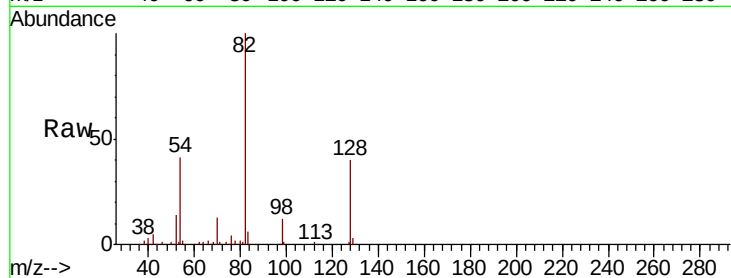
Tot Ion: 82 Resp: 301793

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

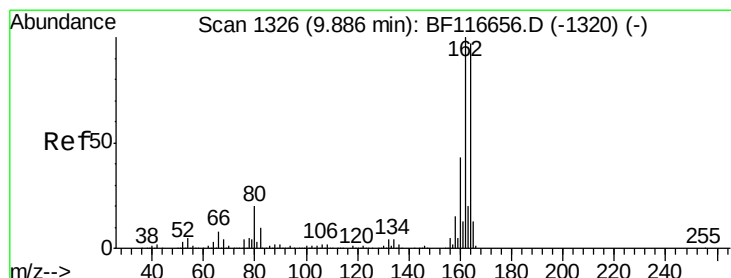
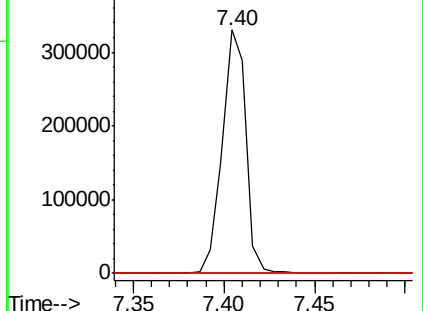
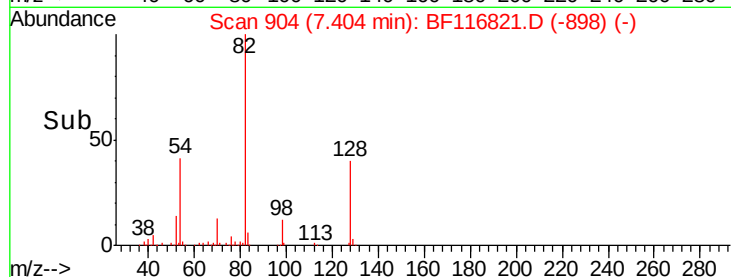
138 0.0 13.5 20.3#



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: BF116821.D

Acq: 4 Sep 2019 17:48

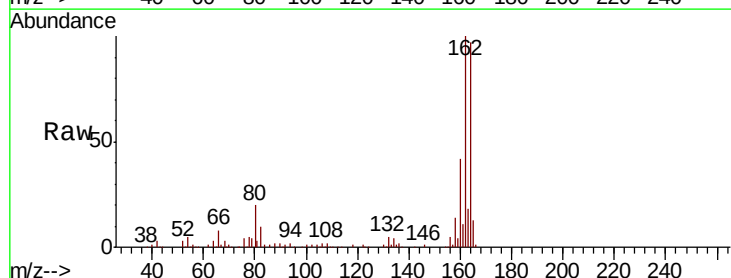
Tgt Ion:164 Resp: 135406

Ion Ratio Lower Upper

164 100

162 102.6 81.4 122.0

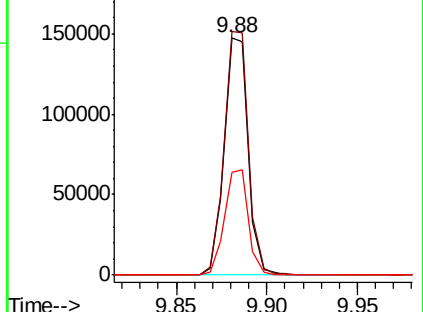
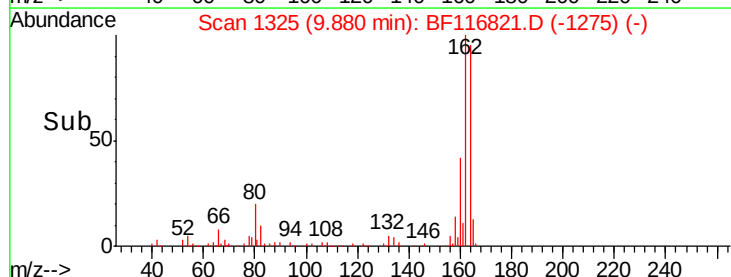
160 43.6 35.4 53.2

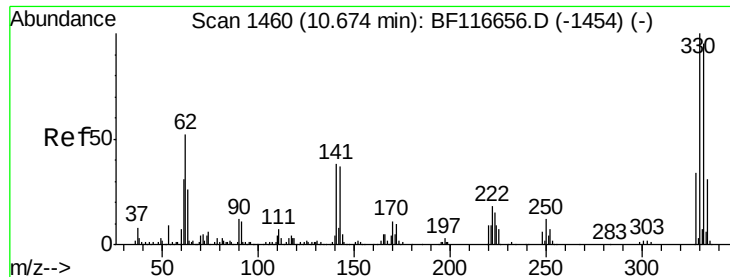


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 100.917 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116821.D

Acq: 4 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

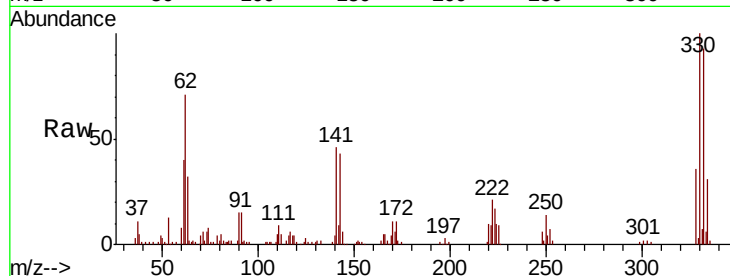
Tot Ion:330 Resp: 91352

Ion Ratio Lower Upper

330 100

332 94.7 76.9 115.3

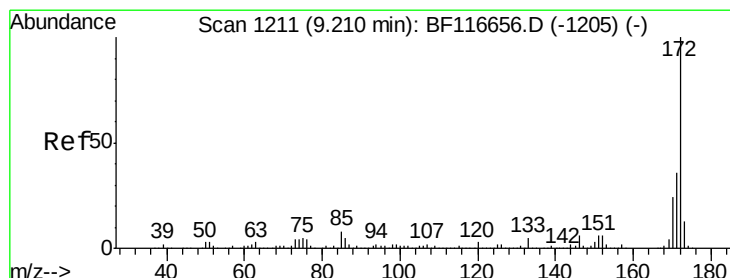
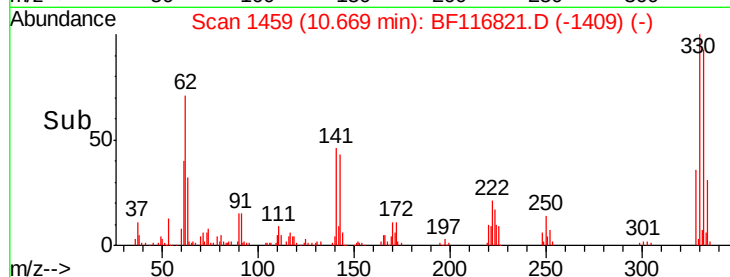
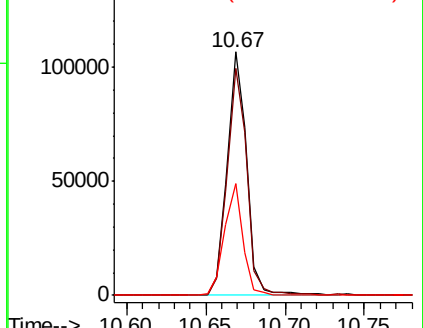
141 43.0 31.4 47.2



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: 68.445 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF116821.D

Acq: 4 Sep 2019 17:48

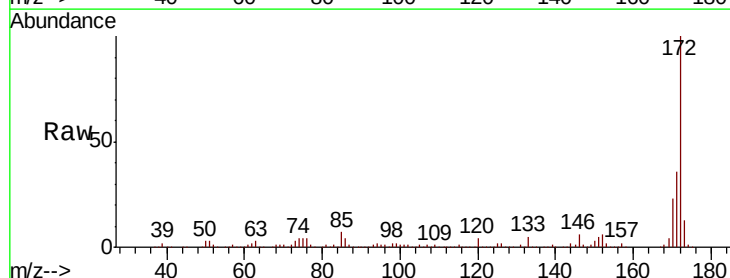
Tgt Ion:172 Resp: 549405

Ion Ratio Lower Upper

172 100

171 35.6 27.8 41.6

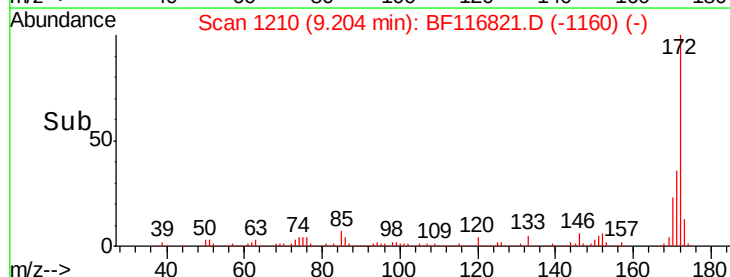
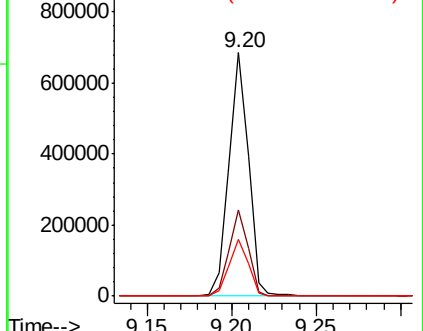
170 23.2 18.9 28.3

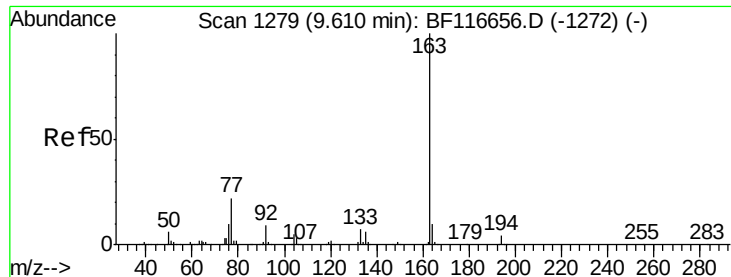


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

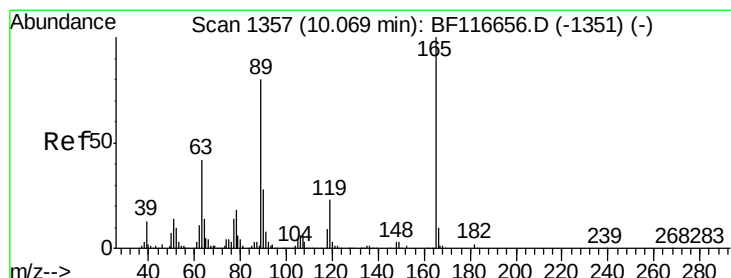
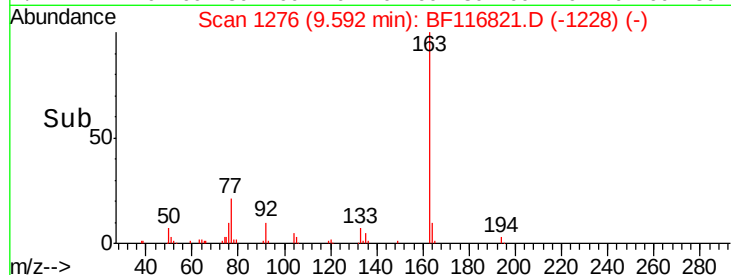
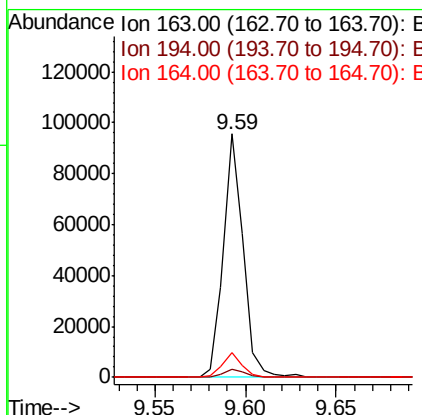
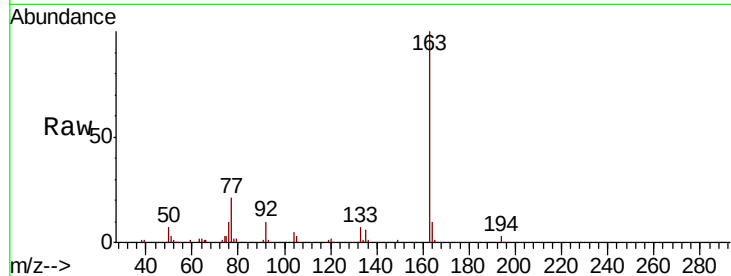




#50
Dimethylphthalate
Concen: 7.818 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

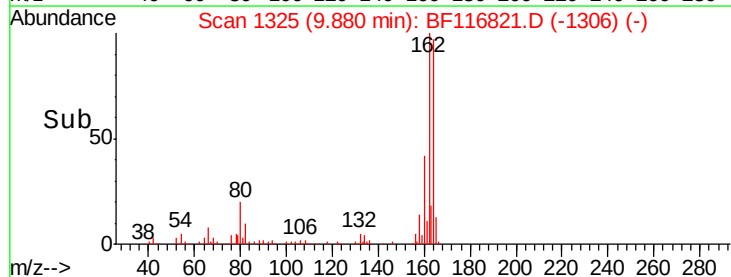
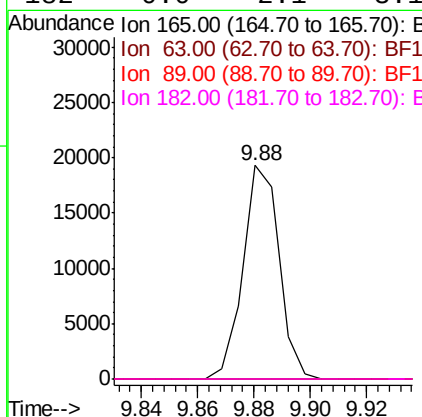
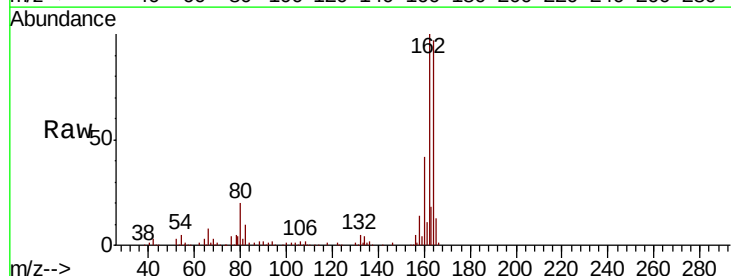
Instrument :
BNA_F
ClientSampleId :

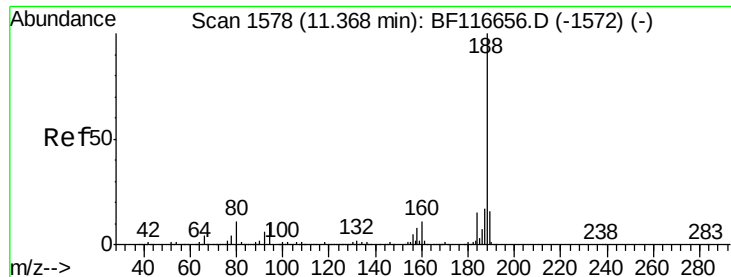
Tot Ion:163 Resp: 73083
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.2 8.6 12.8



#57
2,4-Dinitrotoluene
Concen: 7.841 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Tgt Ion:165 Resp: 17101
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 62.6 94.0#
182 0.0 2.1 3.1#

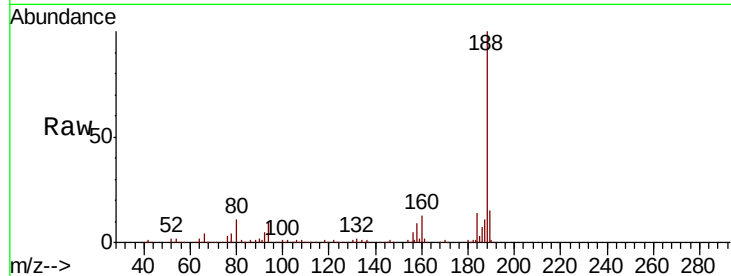




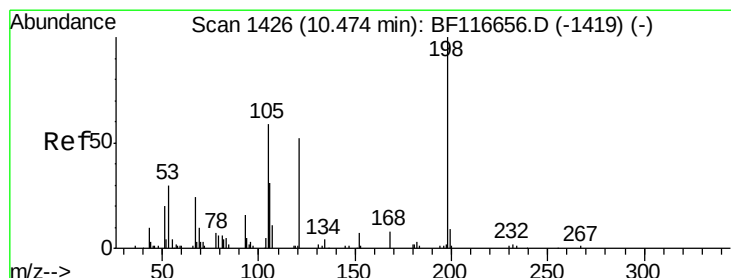
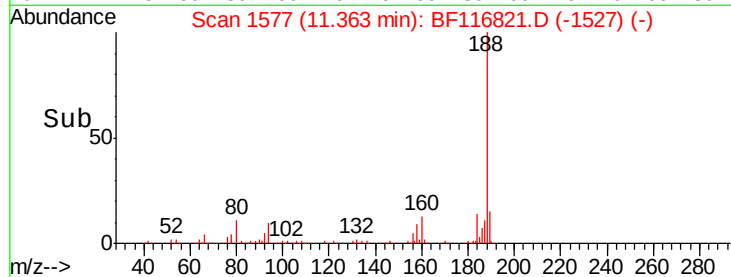
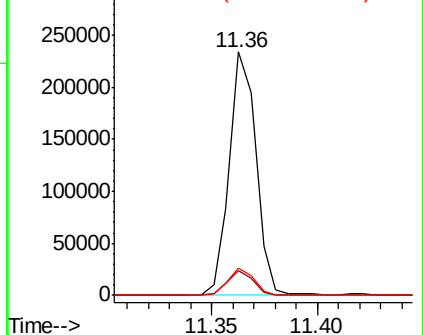
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 205266
Ion Ratio Lower Upper
188 100
94 10.0 7.3 10.9
80 11.4 8.4 12.6

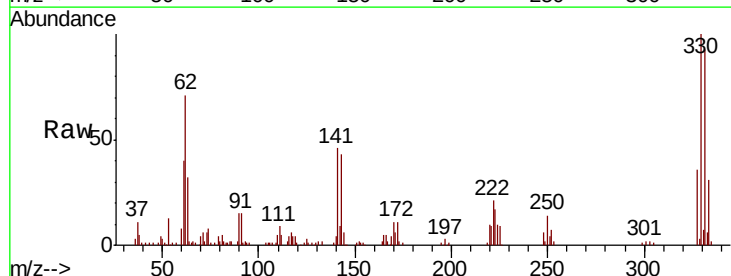


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

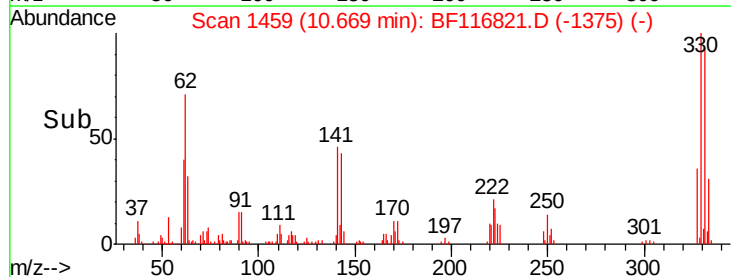
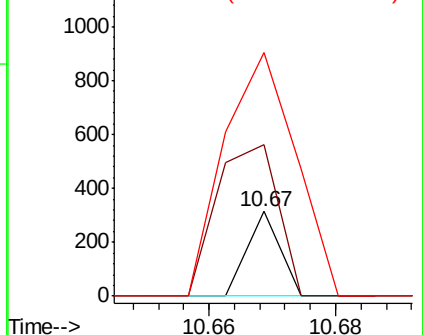


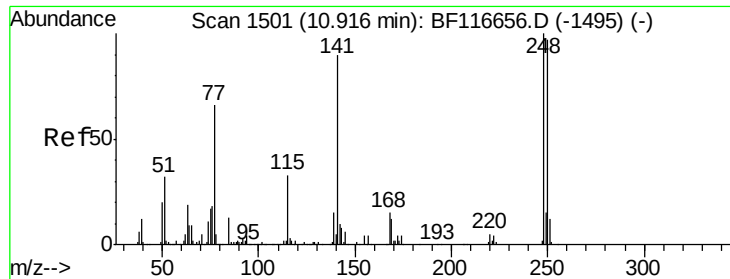
#65
4,6-Dinitro-2-methylphenol
Concen: 7.575 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Tgt Ion:198 Resp: 111
Ion Ratio Lower Upper
198 100
51 178.1 18.4 58.4#
105 287.0 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

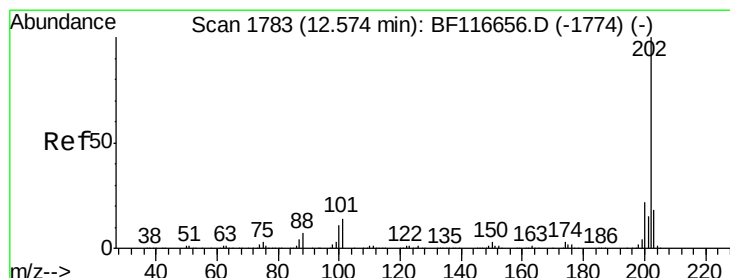
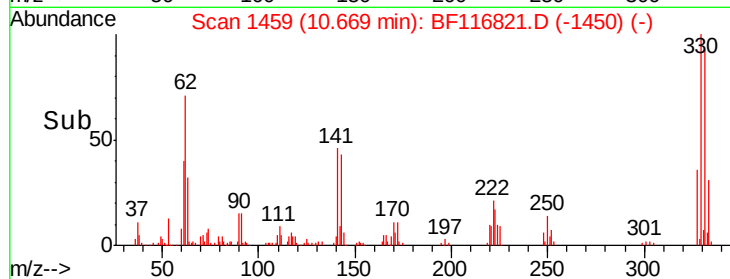
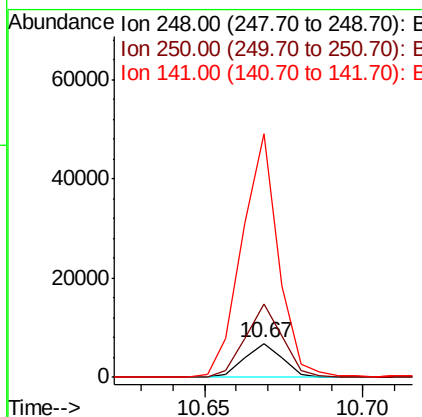
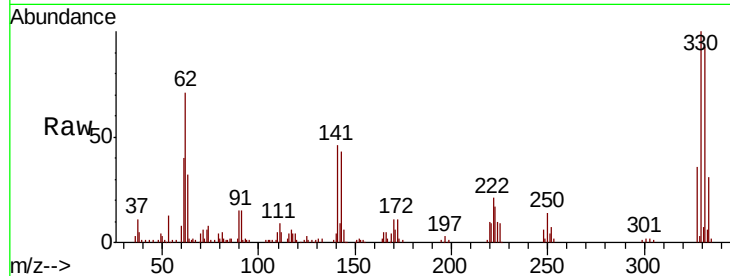




#67
 4-Bromophenyl-phenylether
 Concen: 2.734 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116821.D
 Acq: 4 Sep 2019 17:48

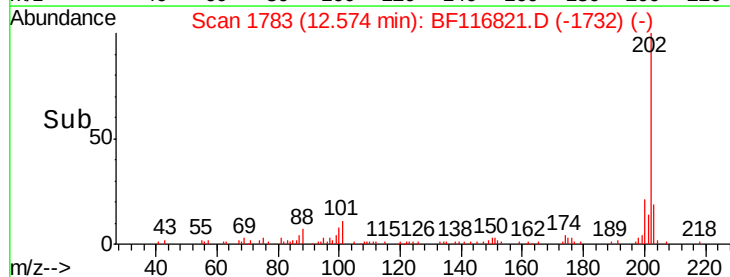
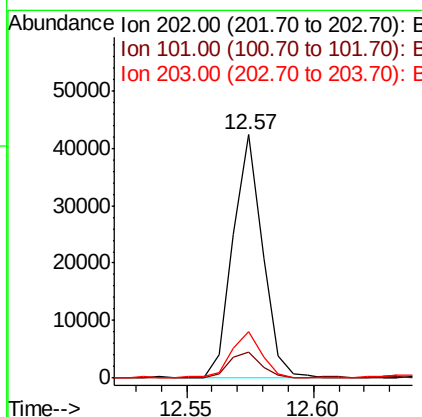
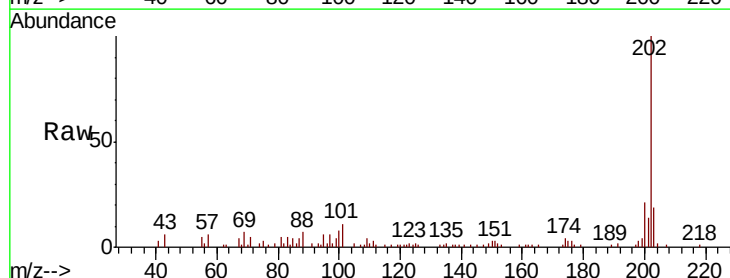
Instrument :
 BNA_F
 ClientSampleId :

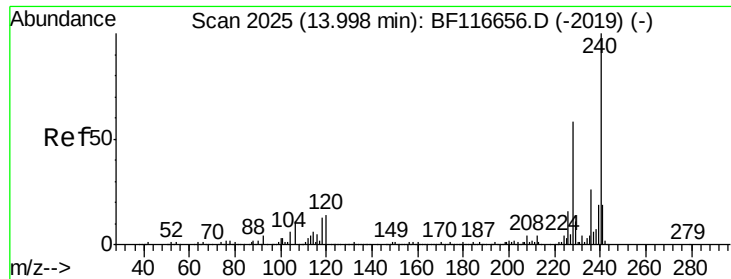
Tot Ion	Ratio	Lower	Upper
248	100		
250	213.7	77.8	116.8#
141	709.1	75.9	113.9#



#75
 Fluoranthene
 Concen: 3.054 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF116821.D
 Acq: 4 Sep 2019 17:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.3
203	19.0	0.0	37.6

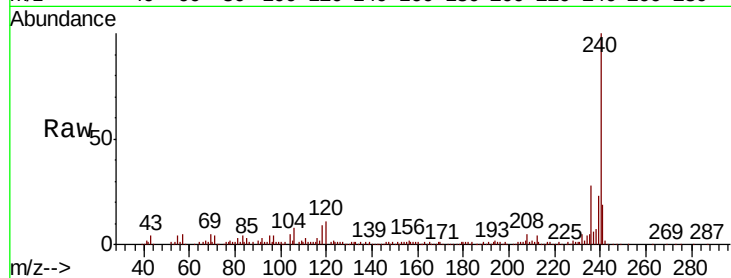




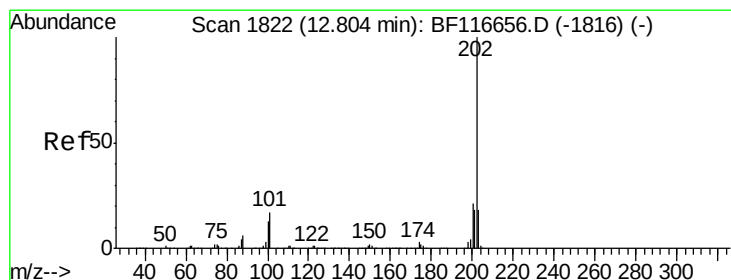
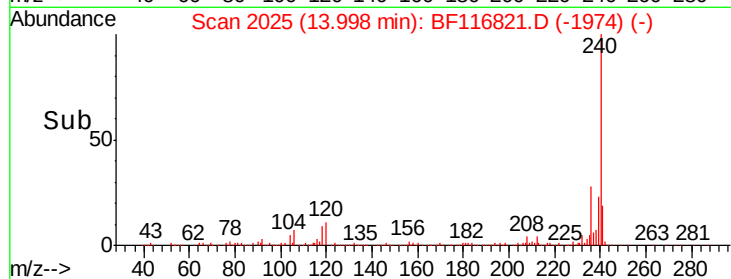
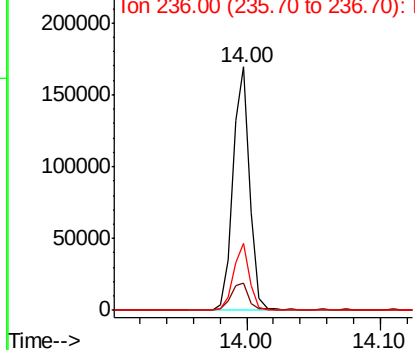
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.1	13.7
236	27.7	21.1	31.7

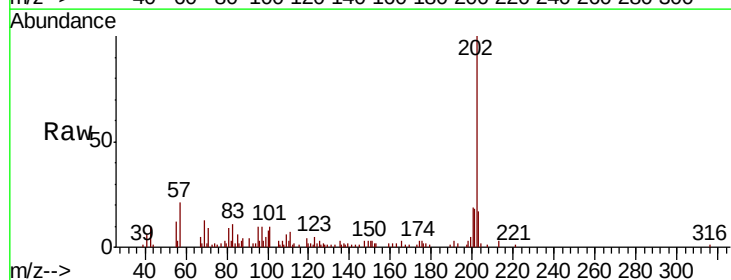


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

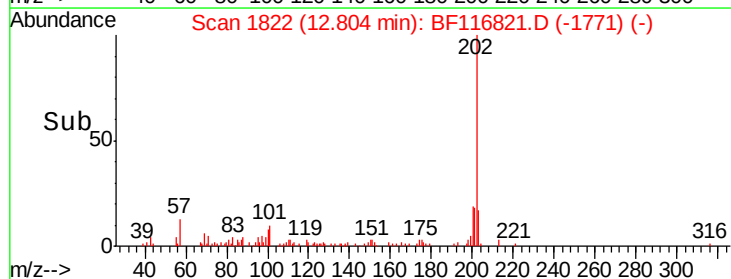
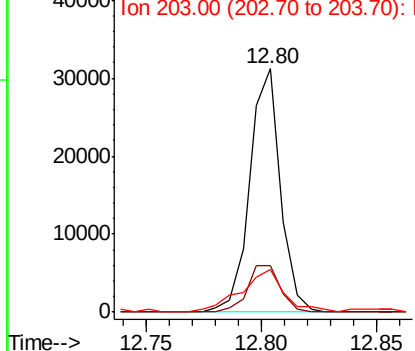


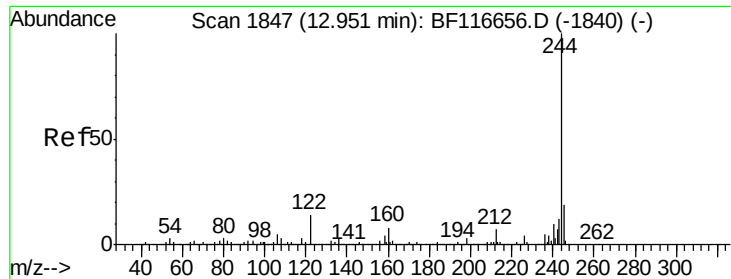
#78
Pyrene
Concen: 2.181 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.0	16.5	24.7
203	17.4	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: 58.151 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116821.D

Acq: 4 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

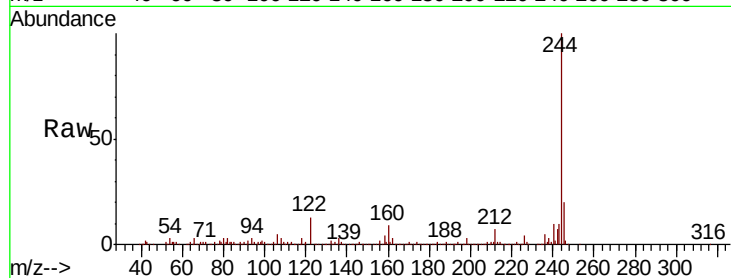
Tot Ion:244 Resp: 468887

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

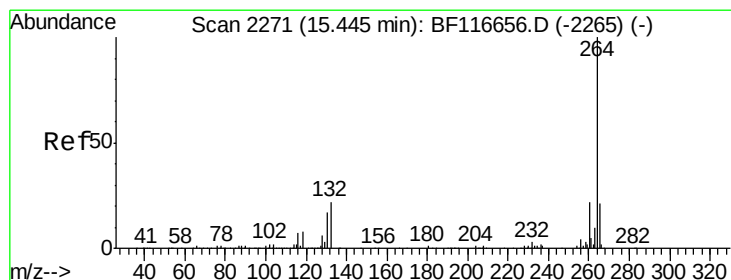
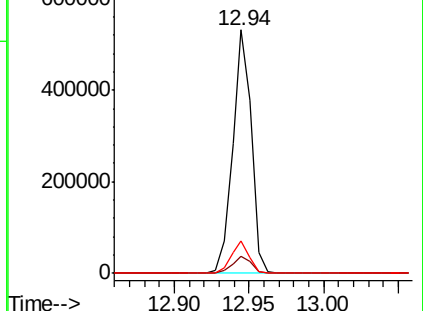
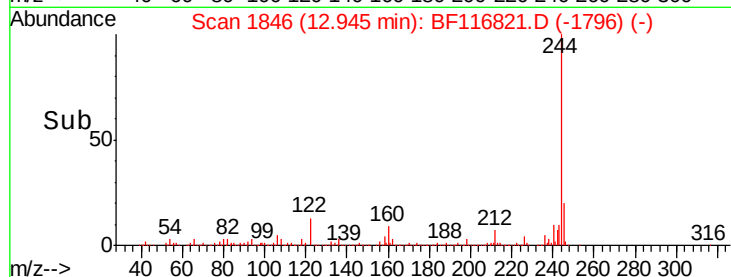
122 13.4 10.2 15.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF116821.D

Acq: 4 Sep 2019 17:48

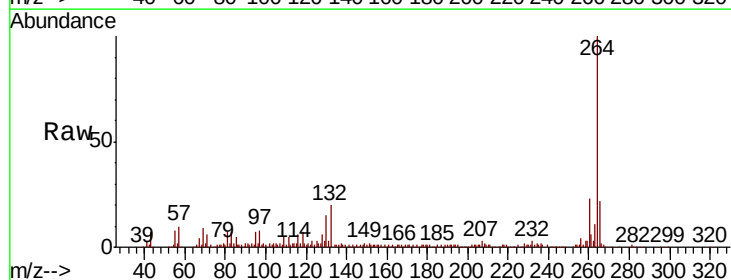
Tgt Ion:264 Resp: 140831

Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

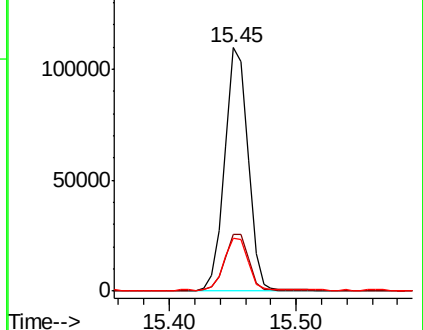
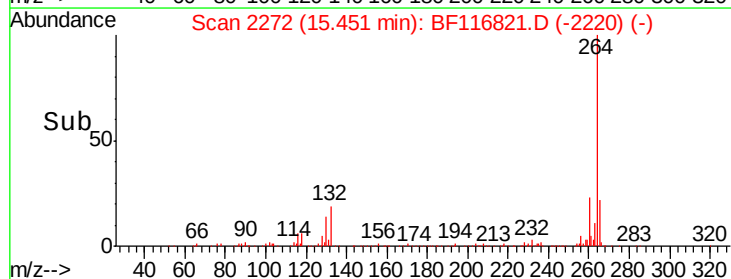
265 21.9 16.5 24.7

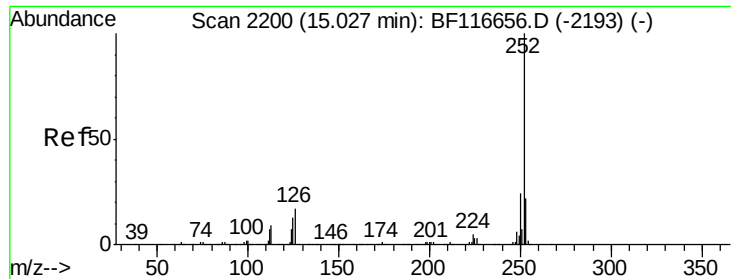


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

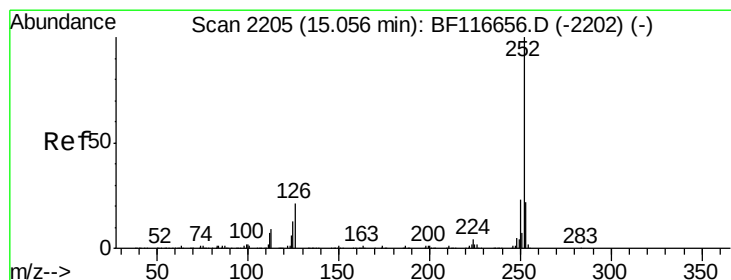
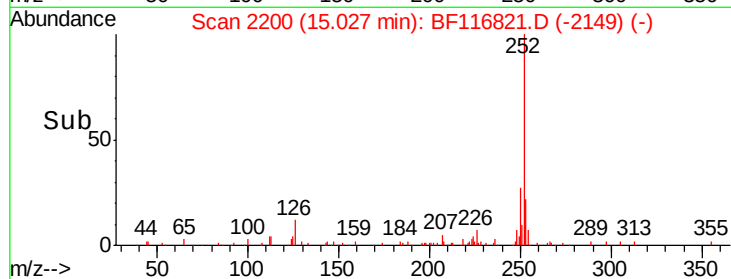
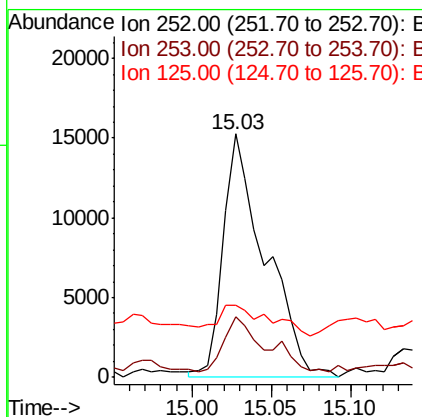
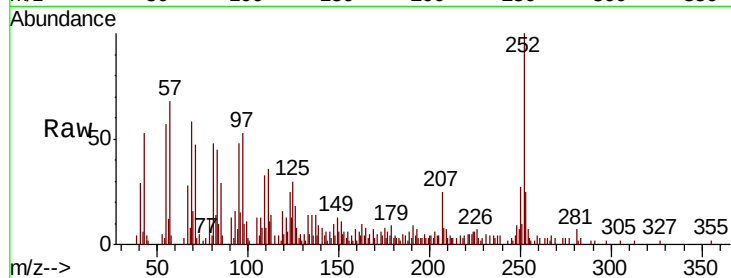




#88
Benzo(b)fluoranthene
Concen: 3.302 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 28113
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 29.6 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 3.621 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF116821.D
Acq: 4 Sep 2019 17:48

Tgt Ion:252 Resp: 28113
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 29.6 8.6 13.0#

