

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
 Data File : BF118174.D
 Acq On : 10 Dec 2019 20:26
 Operator : JU
 Sample : K6204-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 02:35:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

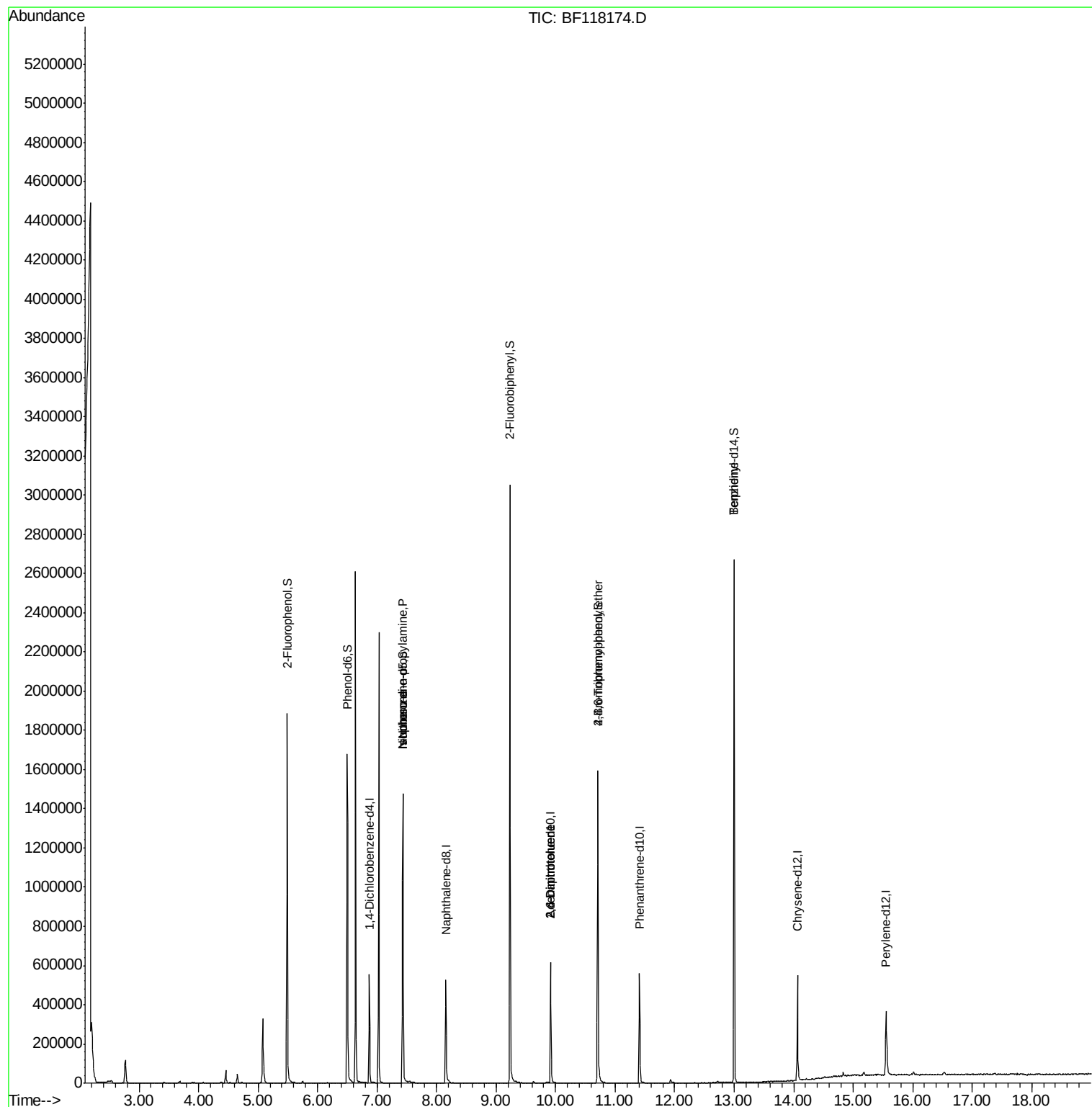
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	73289	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	269381	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	128191	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	219298	20.00	ng	0.00
76) Chrysene-d12	14.06	240	190480	20.00	ng	0.00
87) Perylene-d12	15.56	264	177920	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	557615	133.26	ng	0.00
7) Phenol-d6	6.50	99	612575	121.03	ng	0.00
23) Nitrobenzene-d5	7.43	82	439275	91.74	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	210524	135.19	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	876351	104.02	ng	0.00
79) Terphenyl-d14	13.00	244	945783	85.38	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	890	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	60492	19.669 ng	#	1
25) Isophorone	7.43	82	436224	53.740 ng	#	78
51) 2,6-Dinitrotoluene	9.92	165	16893	8.205 ng	#	62
57) 2,4-Dinitrotoluene	9.92	165	16893	6.147 ng	#	26
67) 4-Bromophenyl-phenylether	10.71	248	12673	5.062 ng	#	24
77) Benizidine	13.00	184	13001	2.593 ng	#	1
					#	91

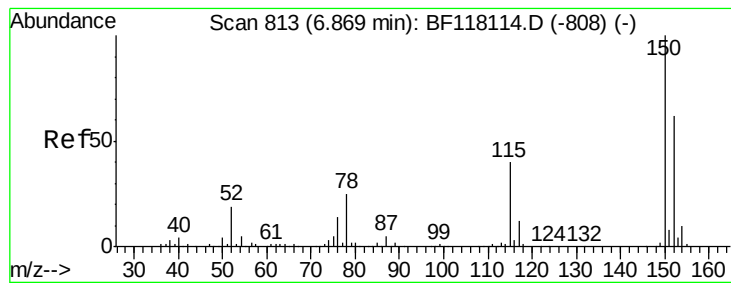
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 11 02:35:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



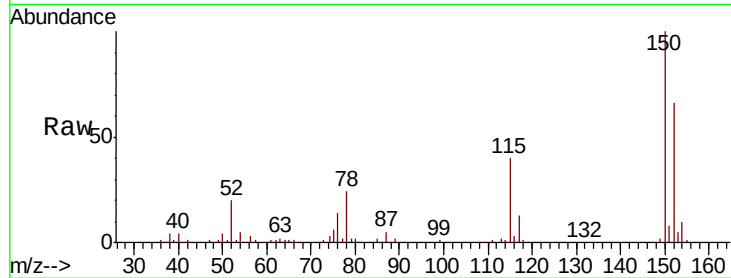


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118174.D
Acq: 10 Dec 2019 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	128.3	192.5
115	61.4	51.1	76.7

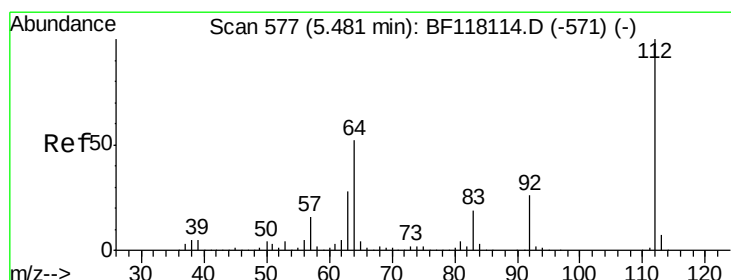
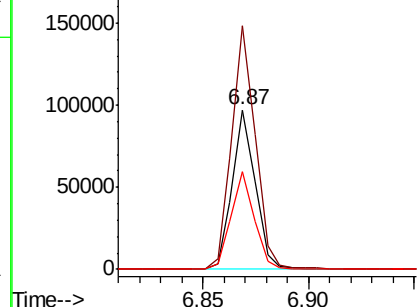
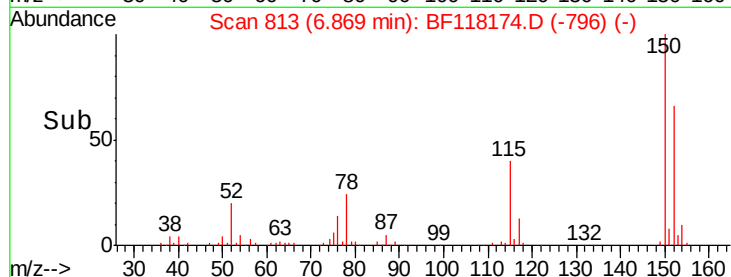


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

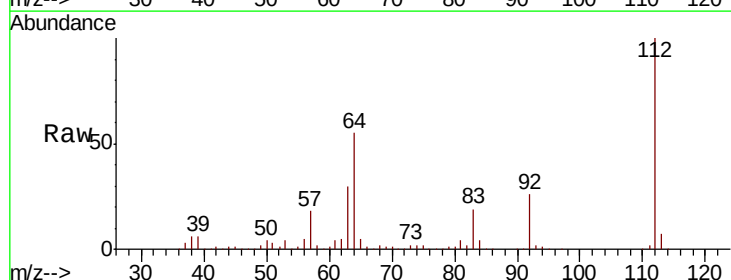
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 133.259 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118174.D
Acq: 10 Dec 2019 20:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	41.3	61.9
63	29.6	22.4	33.6

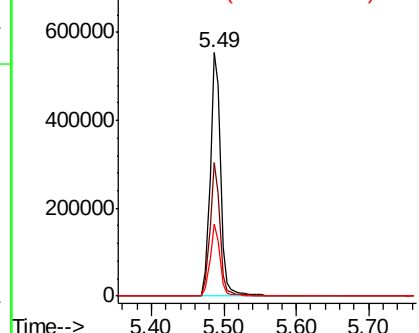
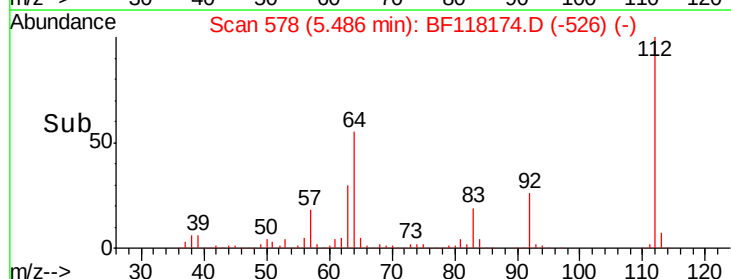


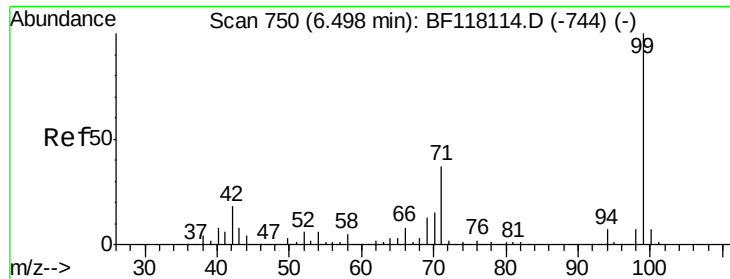
Abundance

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: 121.033 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118174.D

Acq: 10 Dec 2019 20:26

Instrument :

BNA_F

ClientSampleId :

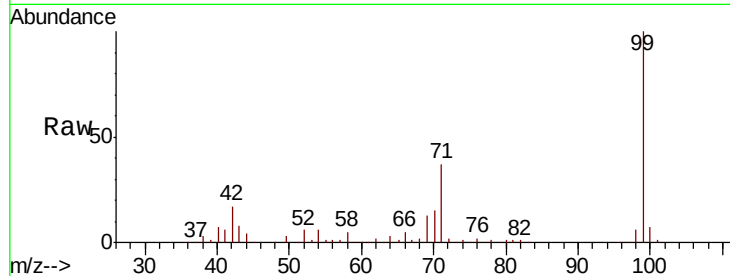
Tot Ion: 99 Resp: 612575

Ion Ratio Lower Upper

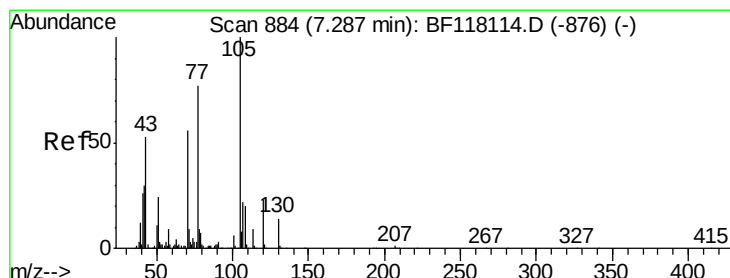
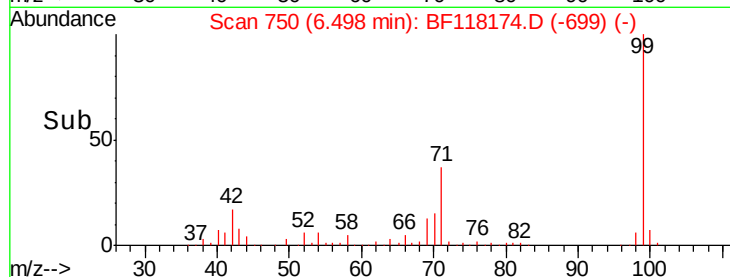
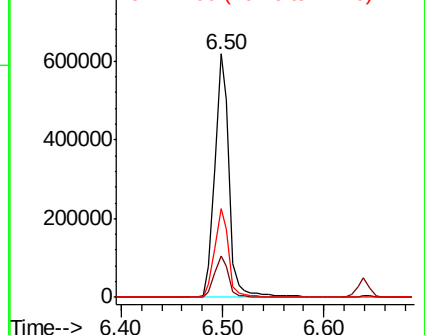
99 100

42 17.2 14.1 21.1

71 36.5 29.7 44.5



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: 19.669 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF118174.D

Acq: 10 Dec 2019 20:26

Tgt Ion: 70 Resp: 60492

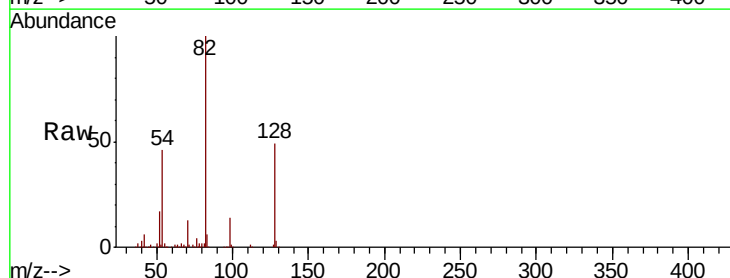
Ion Ratio Lower Upper

70 100

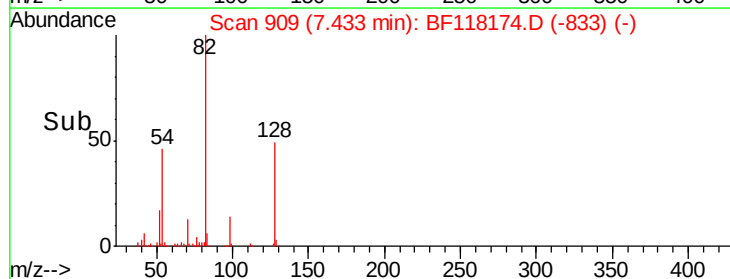
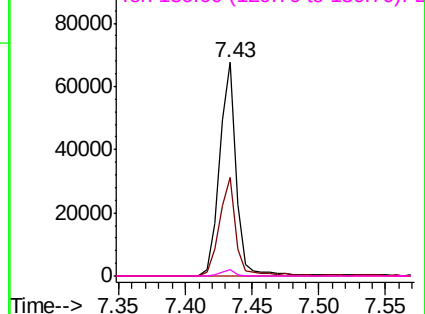
42 45.9 43.2 64.8

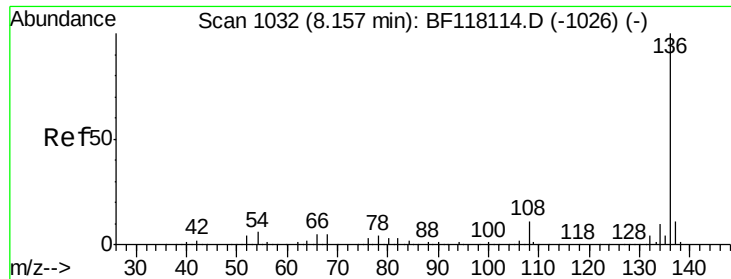
101 0.0 8.1 12.1#

130 2.9 19.8 29.8#



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

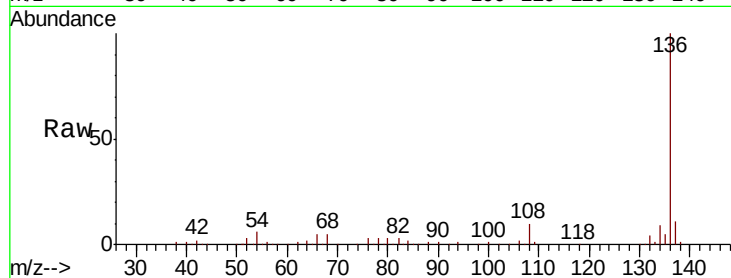




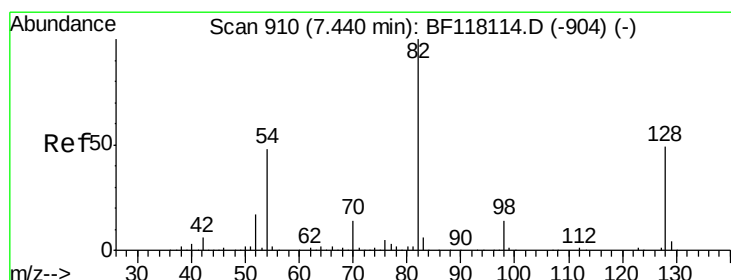
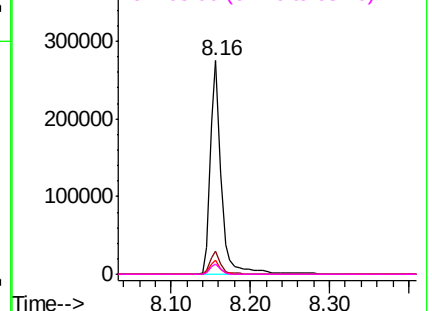
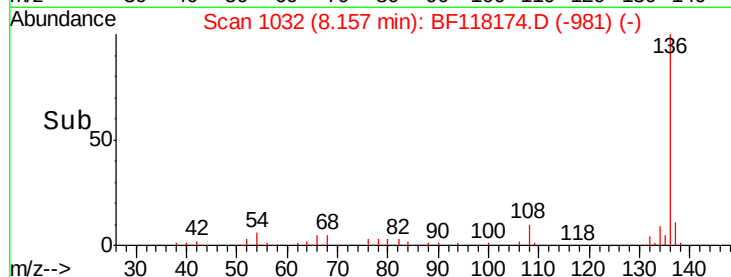
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF118174.D
Acq: 10 Dec 2019 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	269381
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.0 13.6
54	6.4	5.0 7.6
68	4.5	3.8 5.8

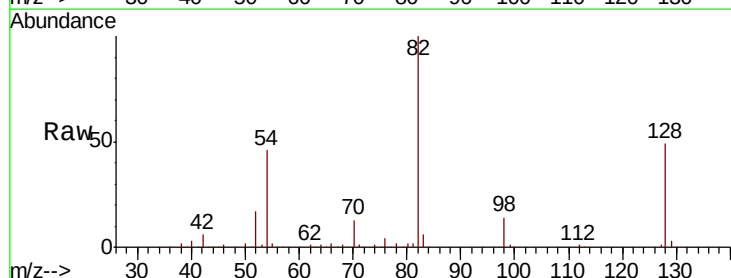


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

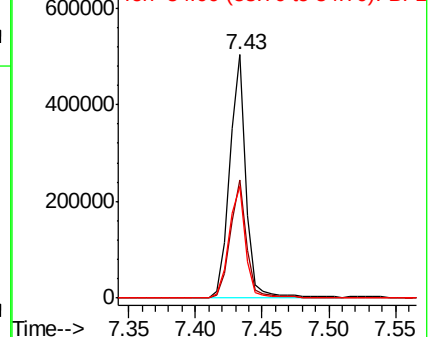
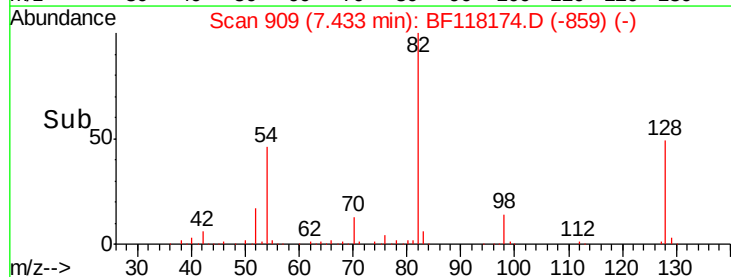


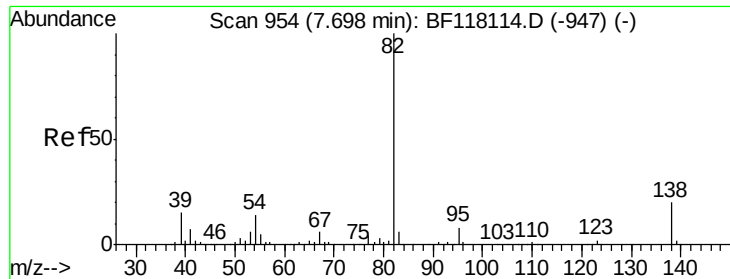
#23
Nitrobenzene-d5
Concen: 91.739 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118174.D
Acq: 10 Dec 2019 20:26

Tgt Ion: 82	Resp:	439275
Ion Ratio	Lower	Upper
82	100	
128	48.5	39.1 58.7
54	46.1	38.2 57.2



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: 53.740 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF118174.D

Acq: 10 Dec 2019 20:26

Instrument :

BNA_F

ClientSampleId :

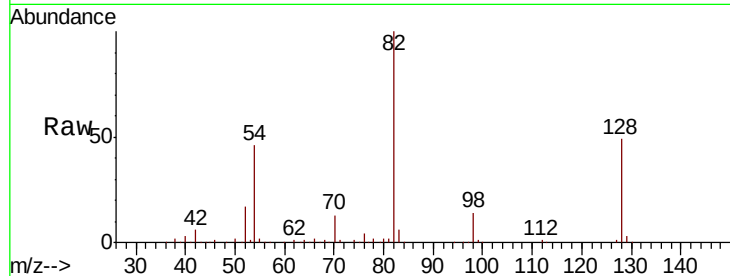
Tot Ion: 82 Resp: 436224

Ion Ratio Lower Upper

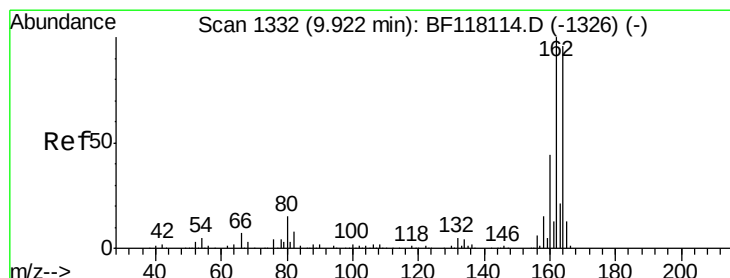
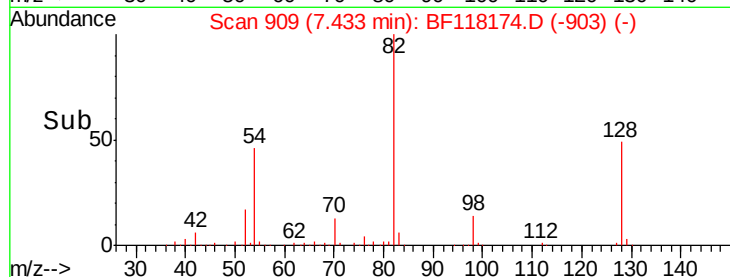
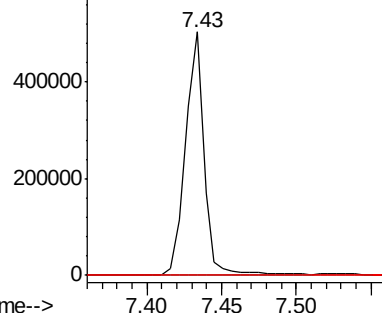
82 100

95 0.0 6.3 9.5#

138 0.0 16.3 24.5#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118174.D

Acq: 10 Dec 2019 20:26

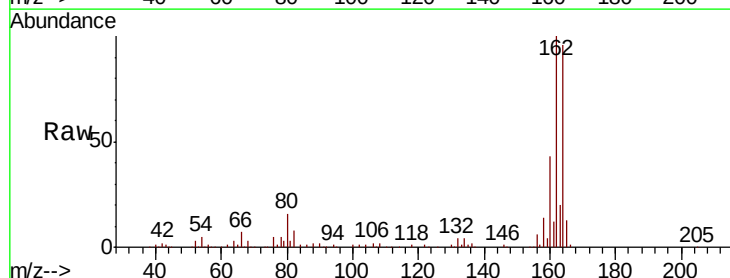
Tgt Ion: 164 Resp: 128191

Ion Ratio Lower Upper

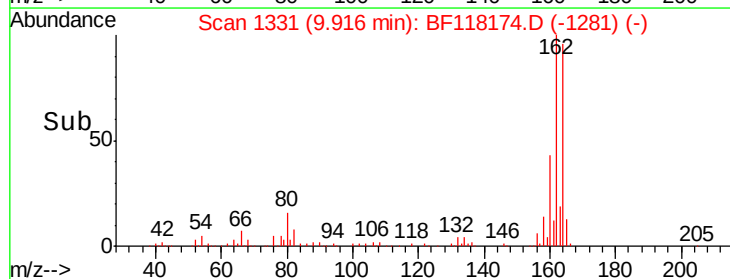
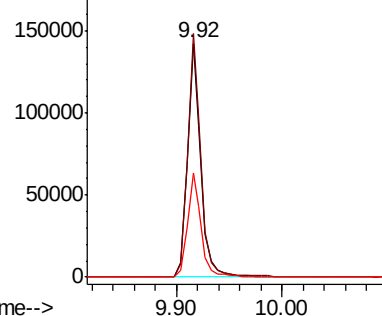
164 100

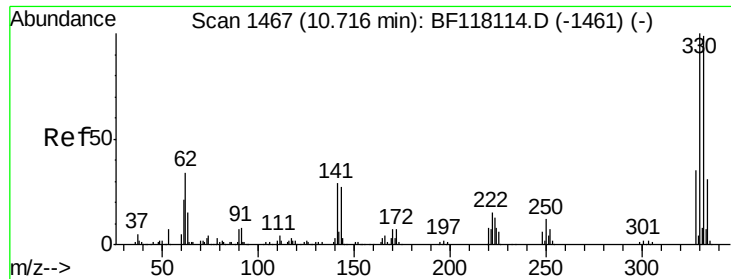
162 104.3 83.4 125.0

160 44.8 36.6 54.8



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: 135.186 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118174.D

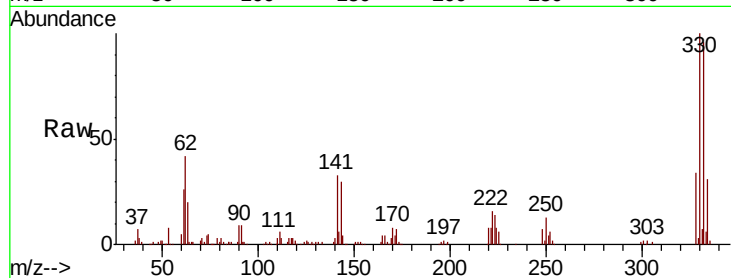
Acq: 10 Dec 2019 20:26

Instrument :

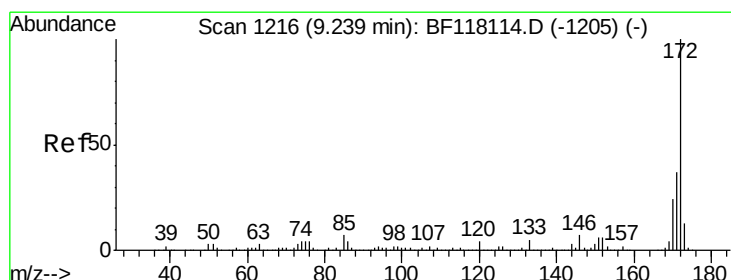
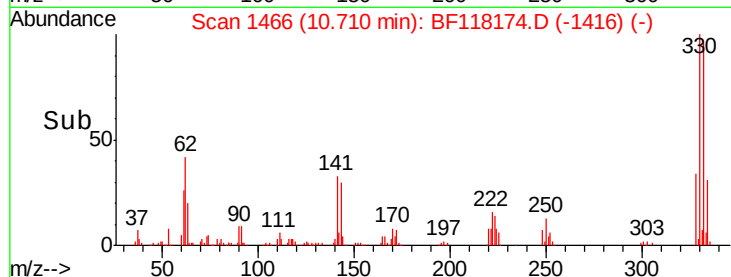
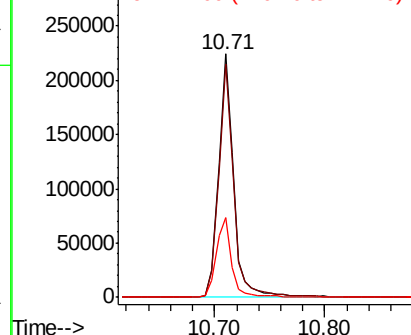
BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	210524
Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.1	117.1
141	33.1	26.9	40.3



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: 104.024 ng

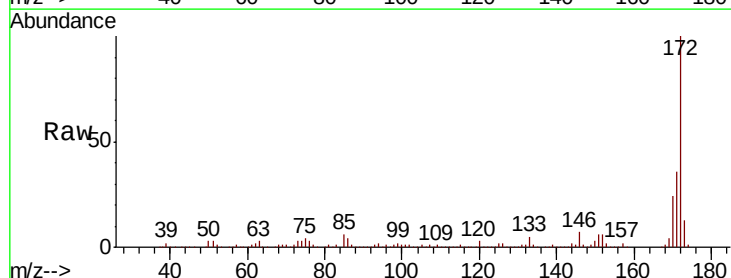
RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

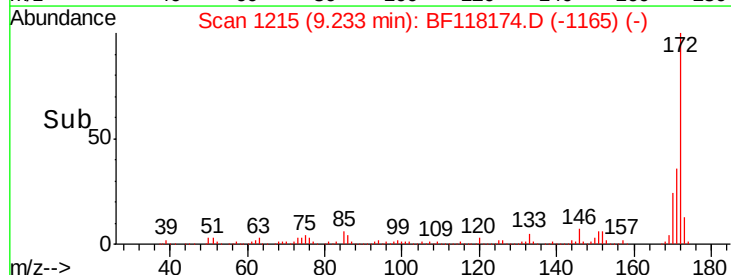
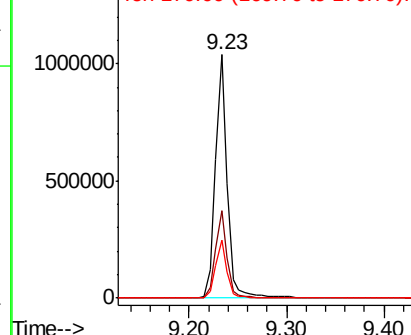
Lab File: BF118174.D

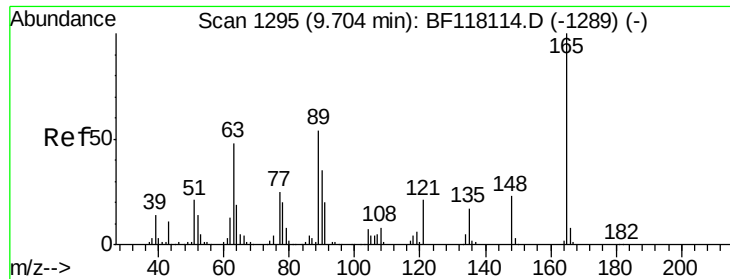
Acq: 10 Dec 2019 20:26

Tgt Ion:	172	Resp:	876351
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	23.9	19.4	29.2



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: 8.205 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF118174.D

Acq: 10 Dec 2019 20:26

Instrument :

BNA_F

ClientSampleId :

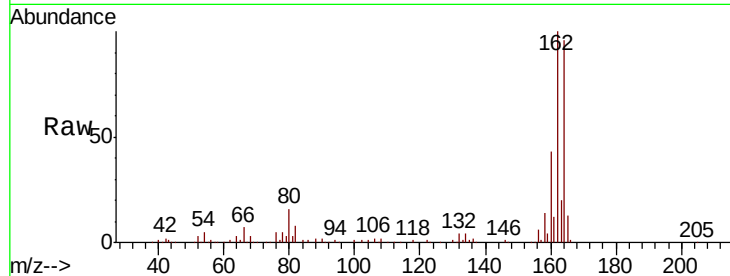
Tot Ion:165 Resp: 16893

Ion Ratio Lower Upper

165 100

63 0.0 41.4 62.0#

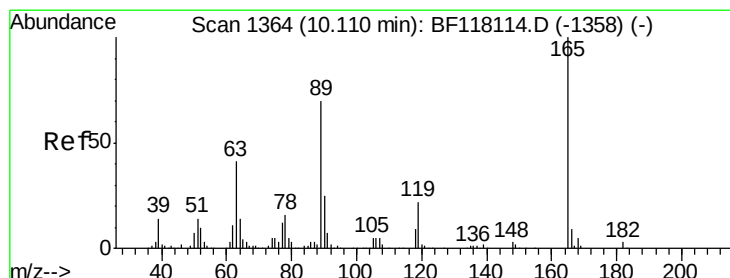
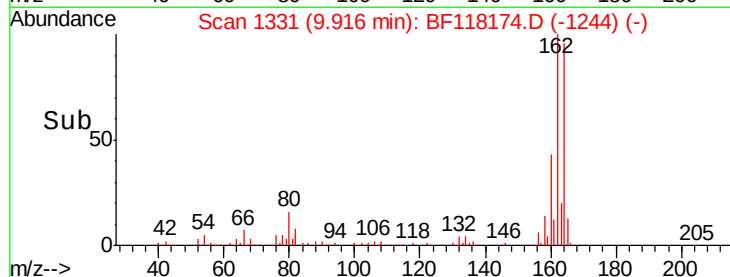
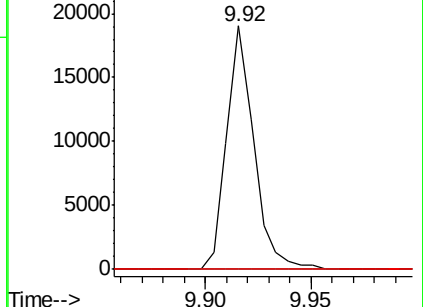
89 0.0 42.9 64.3#



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: 6.147 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF118174.D

Acq: 10 Dec 2019 20:26

Tgt Ion:165 Resp: 16893

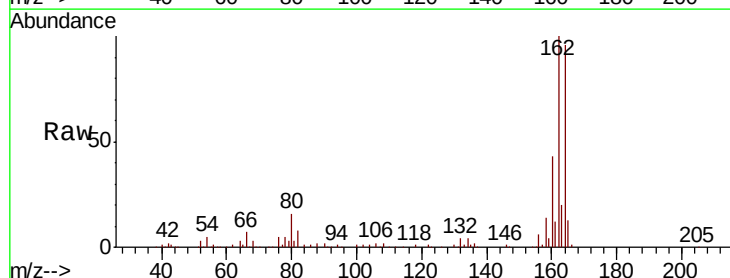
Ion Ratio Lower Upper

165 100

63 0.0 32.6 49.0#

89 0.0 56.1 84.1#

182 0.0 2.1 3.1#

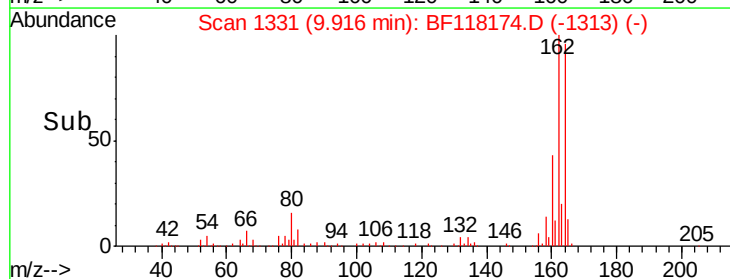
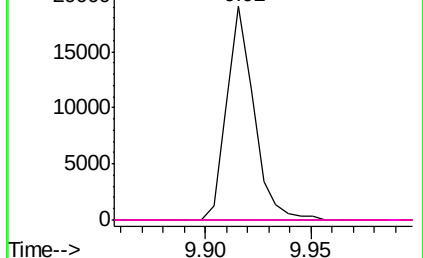


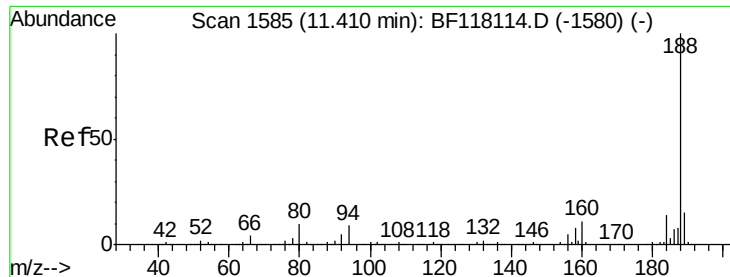
Abundance Ion 165.00 (164.70 to 165.70): E

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

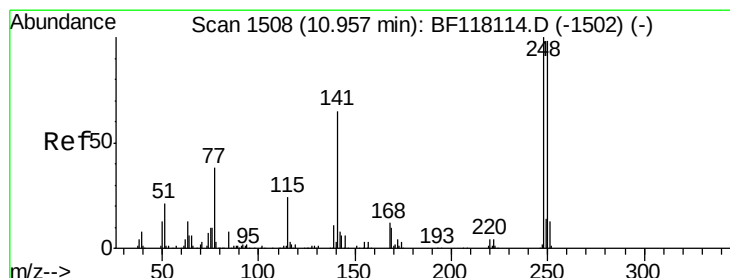
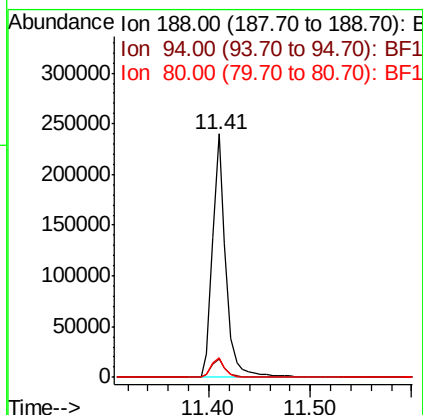
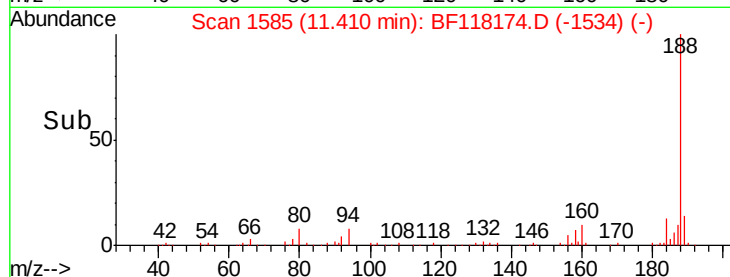
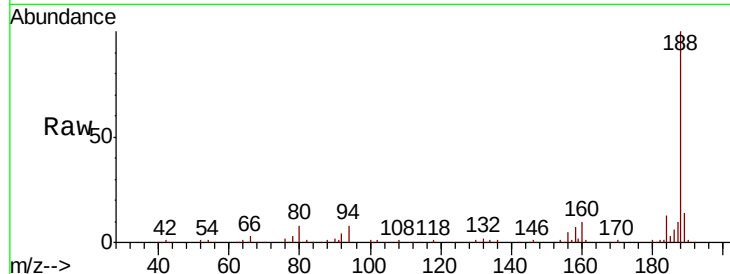




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF118174.D
Acq: 10 Dec 2019 20:26

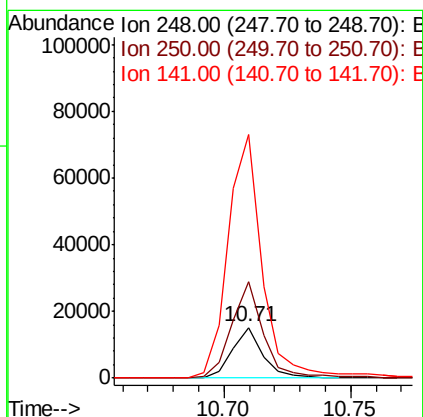
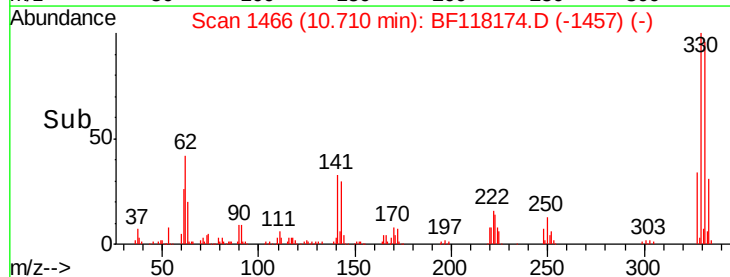
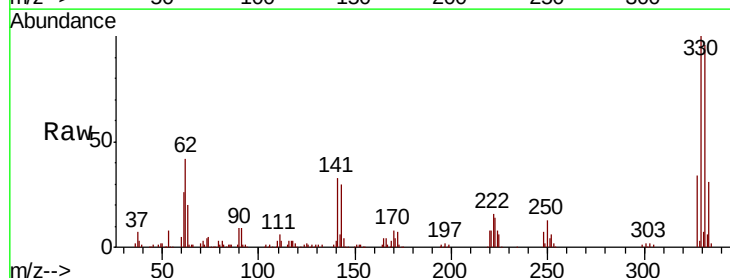
Instrument :
BNA_F
ClientSampleId :

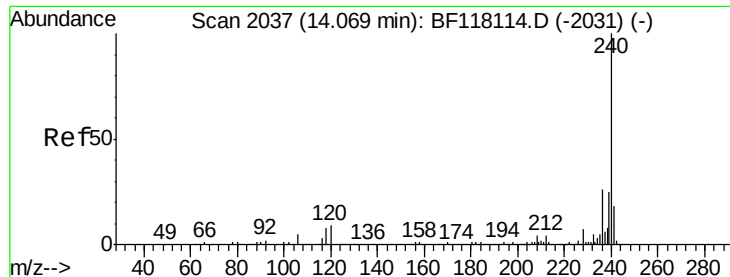
Tot Ion:188 Resp: 219298
Ion Ratio Lower Upper
188 100
94 7.8 7.1 10.7
80 8.0 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 5.062 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF118174.D
Acq: 10 Dec 2019 20:26

Tgt Ion:248 Resp: 12673
Ion Ratio Lower Upper
248 100
250 191.3 78.3 117.5#
141 480.7 52.2 78.4#

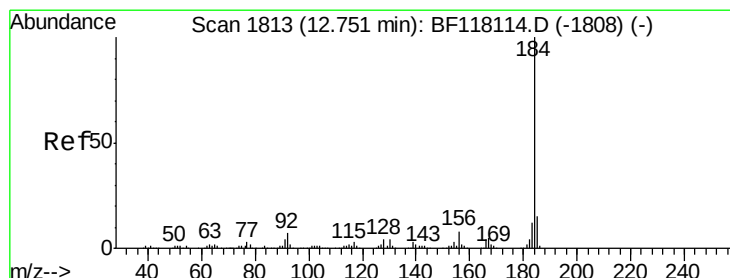
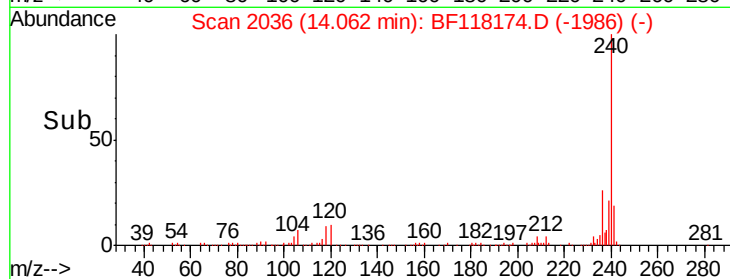
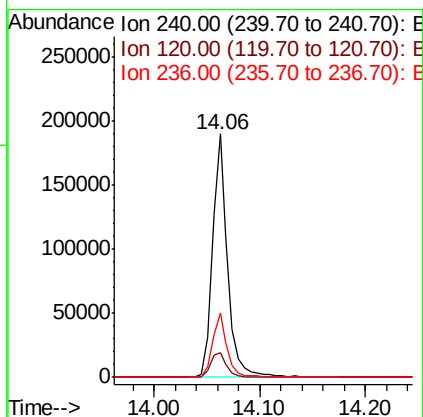
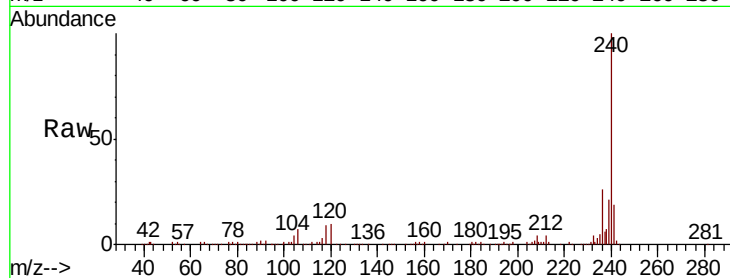




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118174.D
Acq: 10 Dec 2019 20:26

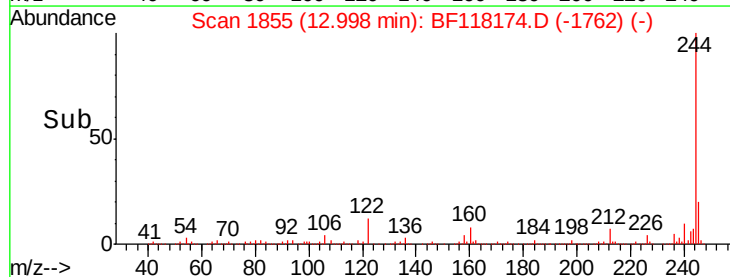
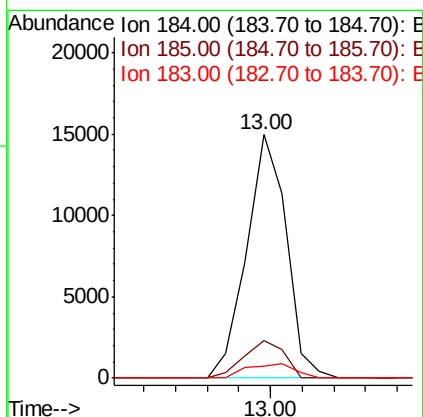
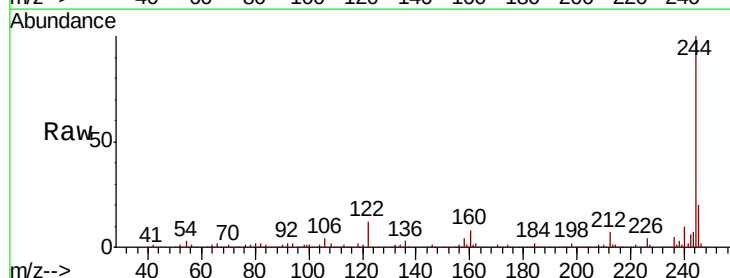
Instrument :
BNA_F
ClientSampleId :

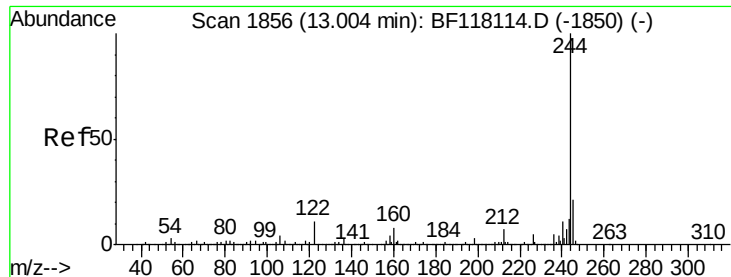
Tot Ion:240 Resp: 190480
Ion Ratio Lower Upper
240 100
120 10.3 7.1 10.7
236 26.3 21.0 31.6



#77
Benzidine
Concen: 2.593 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.25 min
Lab File: BF118174.D
Acq: 10 Dec 2019 20:26

Tgt Ion:184 Resp: 13001
Ion Ratio Lower Upper
184 100
185 15.6 12.3 18.5
183 5.0 9.9 14.9#





#79

Terphenyl-d14

Concen: 85.384 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118174.D

Acq: 10 Dec 2019 20:26

Instrument :

BNA_F

ClientSampled :

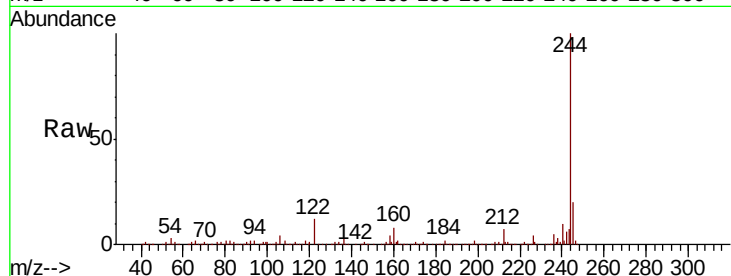
Tot Ion:244 Resp: 945783

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

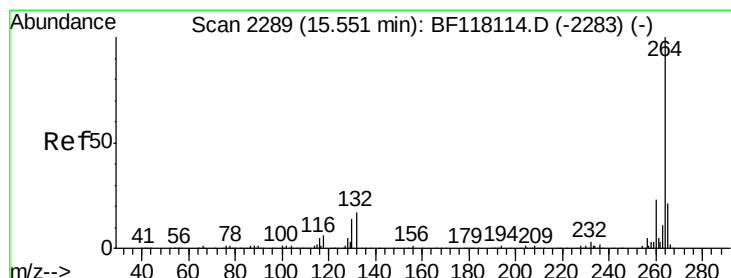
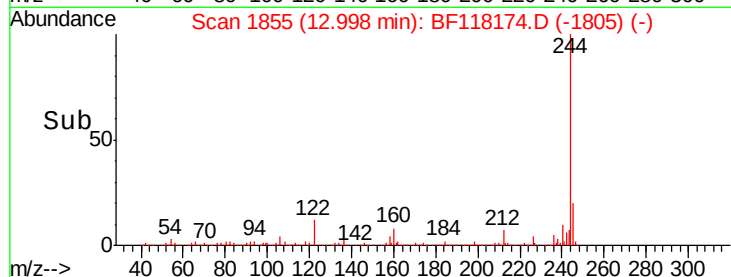
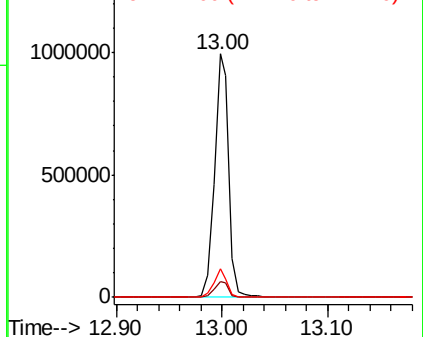
122 11.7 9.0 13.6



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: 15.56 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BF118174.D

Acq: 10 Dec 2019 20:26

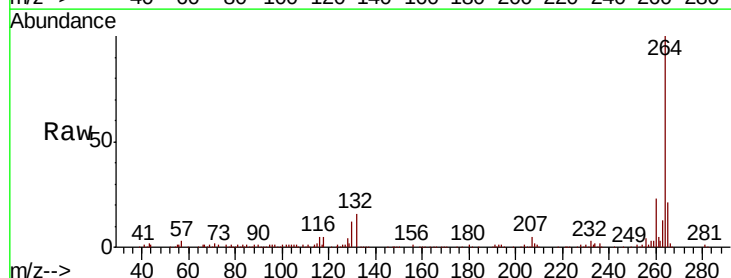
Tgt Ion:264 Resp: 177920

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.0 16.8 25.2



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

