

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF117012.D
 Acq On : 13 Sep 2019 1:10
 Operator : HP/JU
 Sample : PB123028TB
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 07:49:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

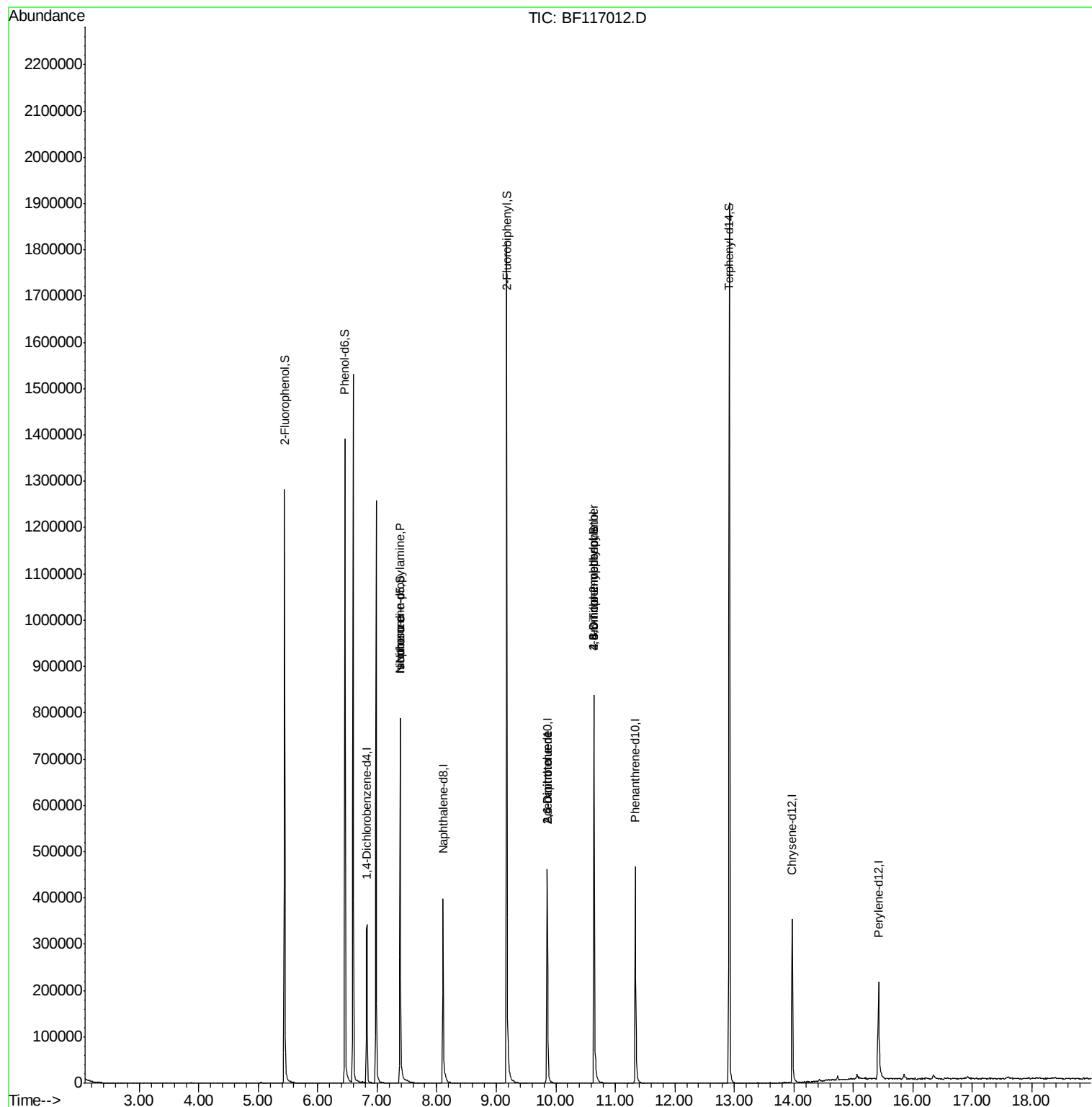
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	57820	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	227501	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	121307	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	207017	20.00	ng	0.00
76) Chrysene-d12	13.97	240	155472	20.00	ng	0.00
87) Perylene-d12	15.42	264	128605	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	388453	108.84	ng	0.00
7) Phenol-d6	6.46	99	517729	110.47	ng	0.00
23) Nitrobenzene-d5	7.39	82	325401	81.65	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	110552	136.32	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	622523	86.57	ng	0.00
79) Terphenyl-d14	12.92	244	637461	75.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	43073	13.959	ng	# 77
25) Isophorone	7.39	82	325399	40.296	ng	# 66
51) 2,6-Dinitrotoluene	9.86	165	15219	9.524	ng	# 28
57) 2,4-Dinitrotoluene	9.86	165	15219	7.789	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.65	198	113	7.576	ng	# 17
67) 4-Bromophenyl-phenylether	10.64	248	7315	3.478	ng	# 1

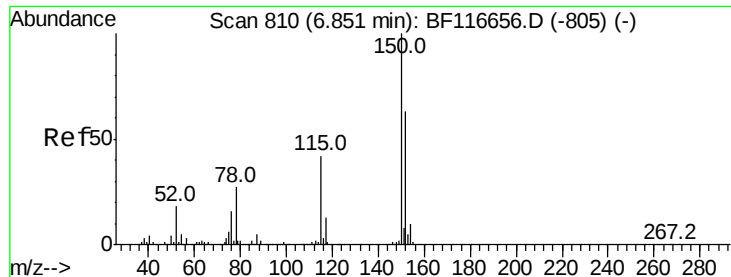
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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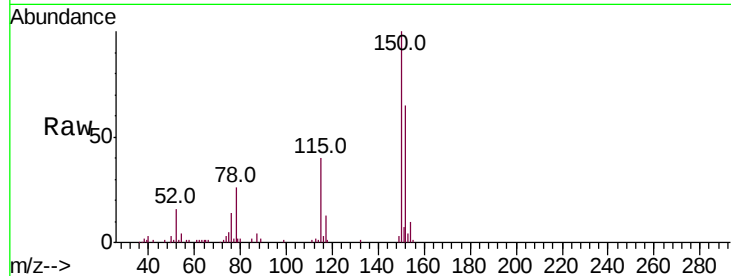


#1

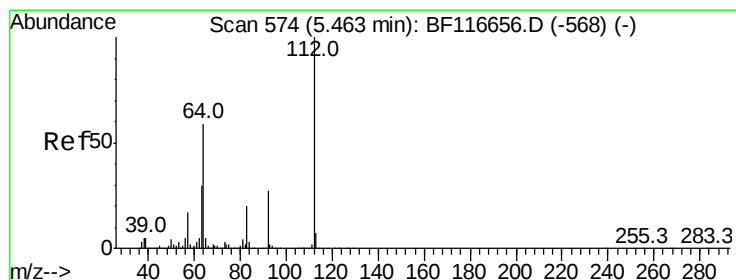
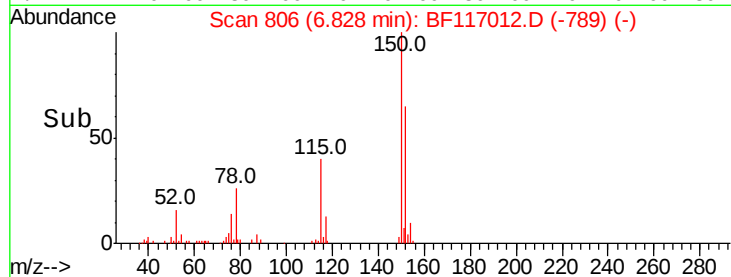
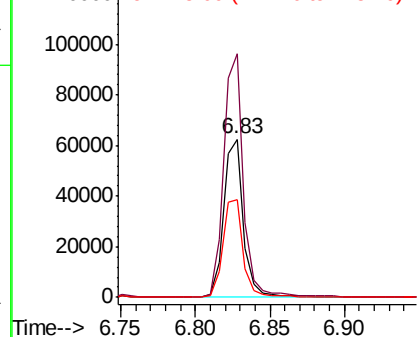
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF117012.D
Acq: 13 Sep 2019 1:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 57820
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 62.2 50.2 75.2



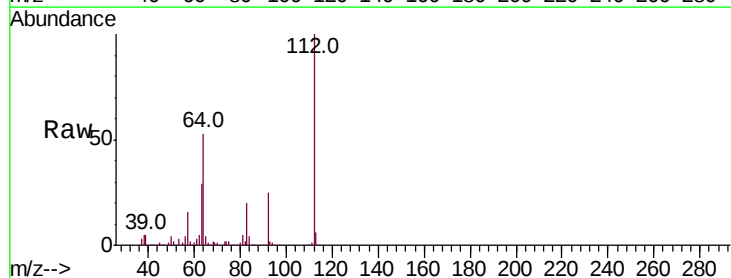
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



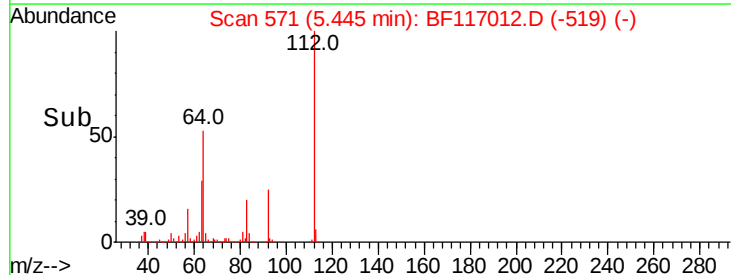
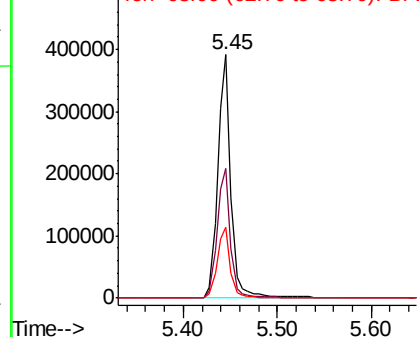
#5

2-Fluorophenol
Concen: 108.841 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117012.D
Acq: 13 Sep 2019 1:10

Tgt Ion:112 Resp: 388453
Ion Ratio Lower Upper
112 100
64 53.3 47.1 70.7
63 29.2 25.4 38.0



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: 110.472 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

Instrument :

BNA_F

ClientSampleId :

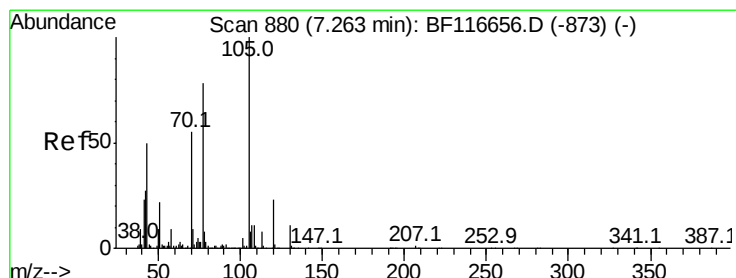
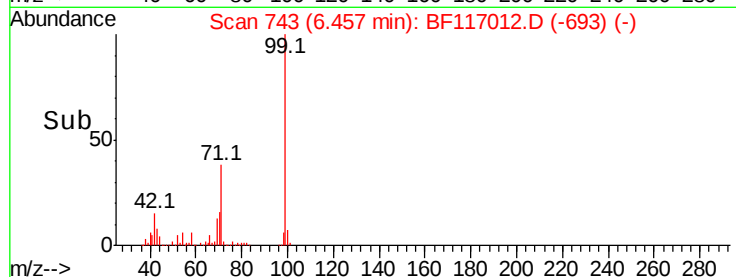
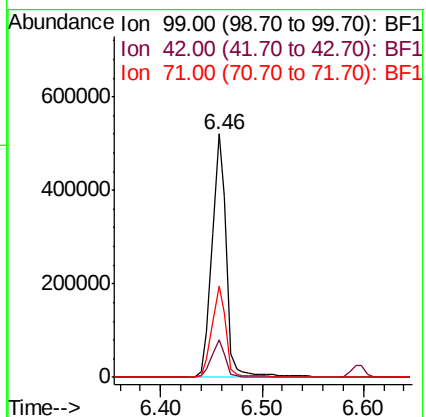
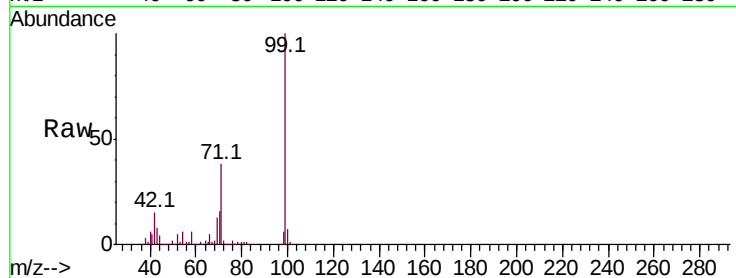
Tot Ion: 99 Resp: 517729

Ion Ratio Lower Upper

99 100

42 15.3 12.0 18.0

71 37.6 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 13.959 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

Tgt Ion: 70 Resp: 43073

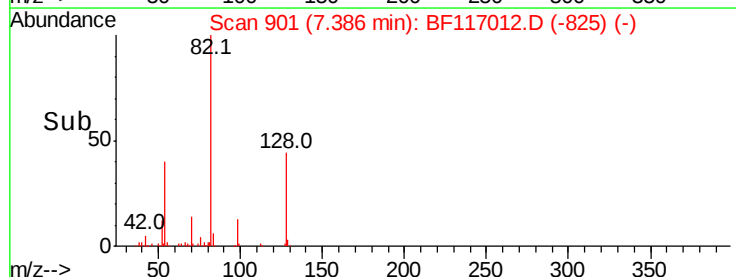
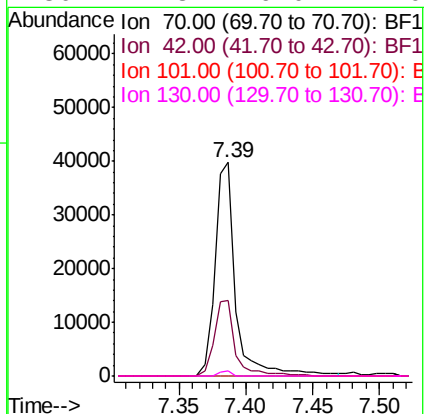
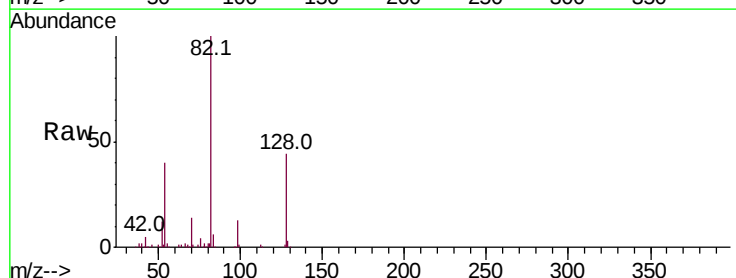
Ion Ratio Lower Upper

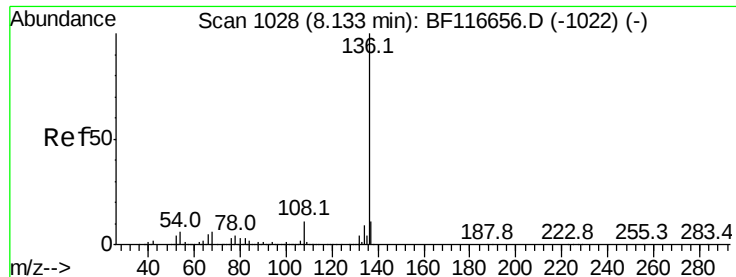
70 100

42 35.4 37.0 55.4#

101 0.0 7.4 11.2#

130 2.3 16.0 24.0#

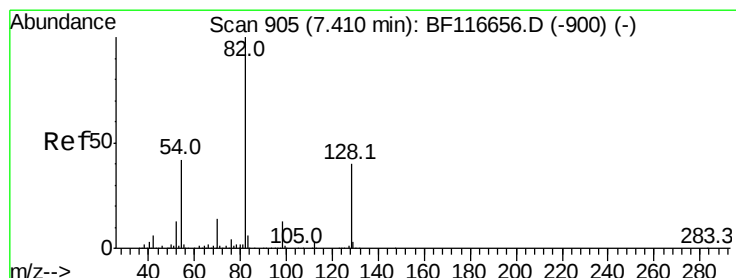
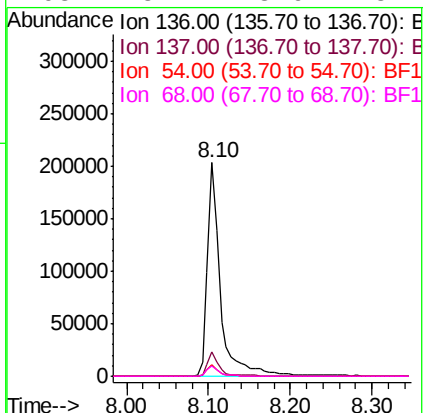
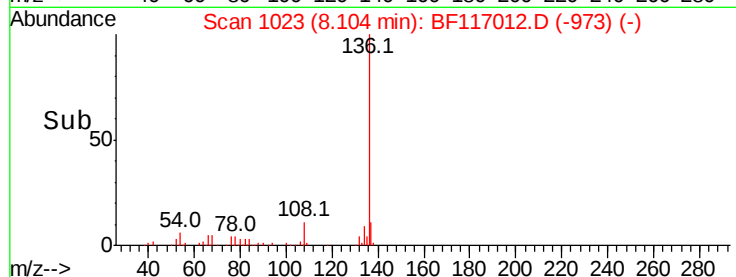
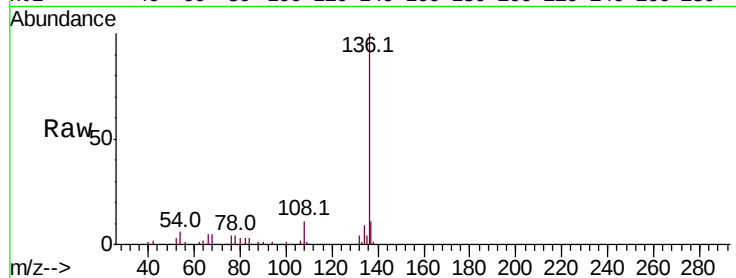




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF117012.D
Acq: 13 Sep 2019 1:10

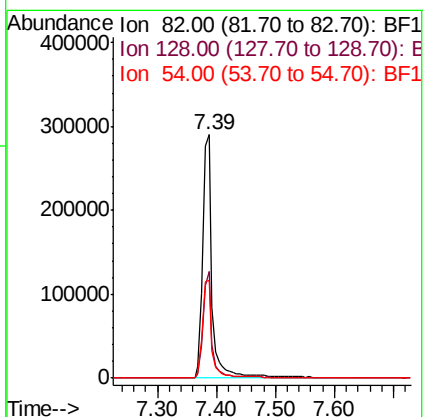
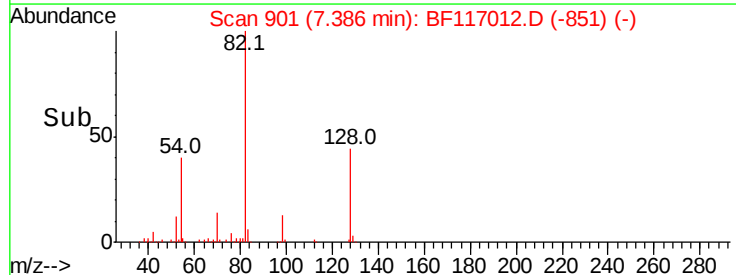
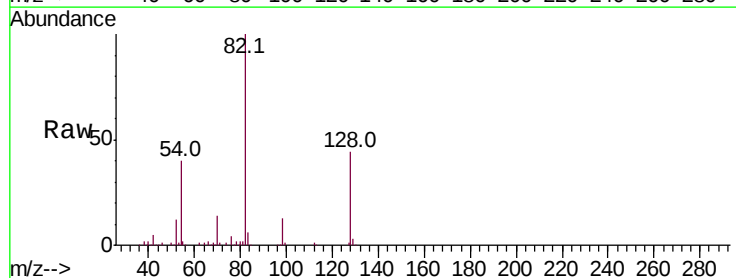
Instrument :
BNA_F
ClientSampleId :

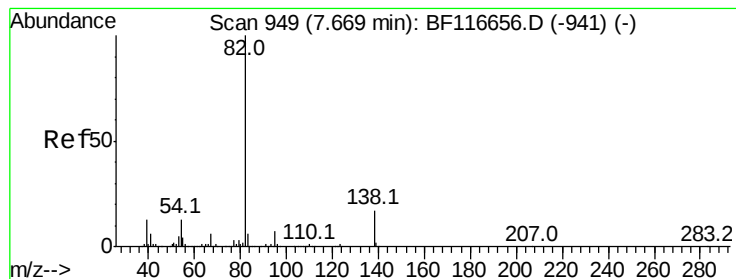
Tot Ion:136	Resp:	227501
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.5	12.7
54 5.6	3.8	5.8
68 5.1	3.6	5.4



#23
Nitrobenzene-d5
Concen: 81.654 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF117012.D
Acq: 13 Sep 2019 1:10

Tgt Ion: 82	Resp:	325401
Ion Ratio	Lower	Upper
82 100		
128 43.9	35.0	52.4
54 40.2	32.6	48.8





#25

Isophorone

Concen: 40.296 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

Instrument :

BNA_F

ClientSampleId :

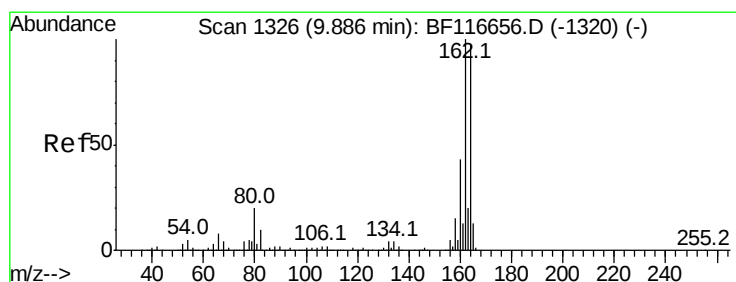
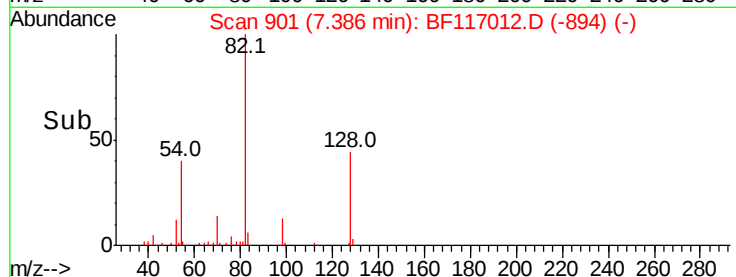
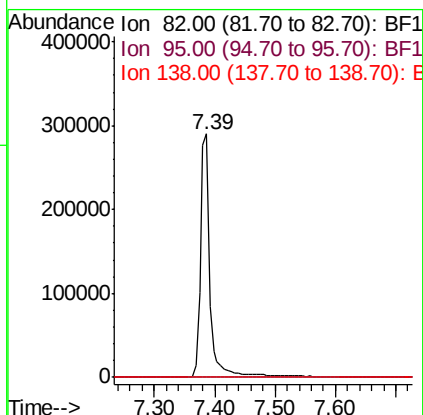
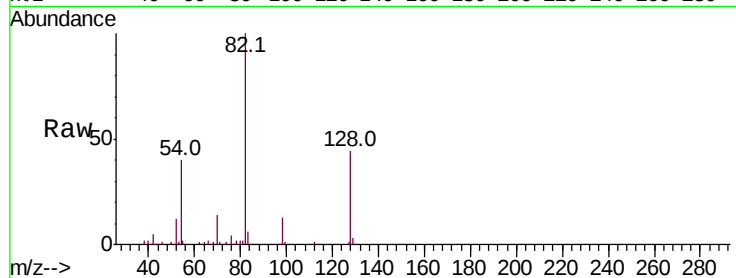
Tot Ion: 82 Resp: 325399

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.4 20.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

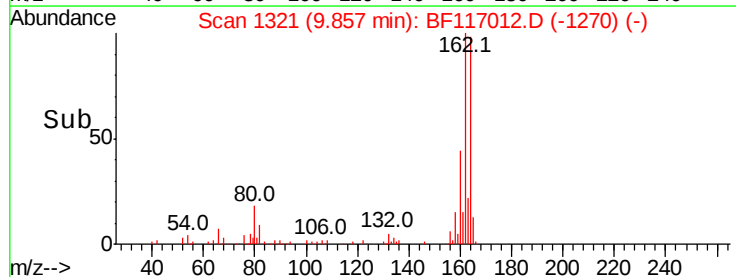
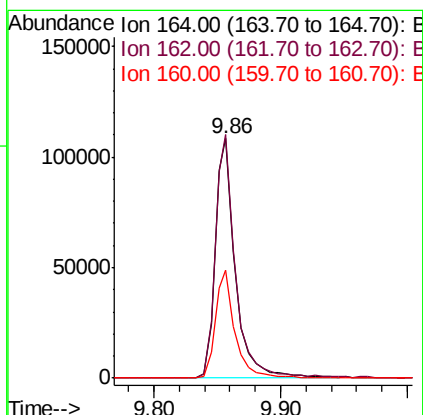
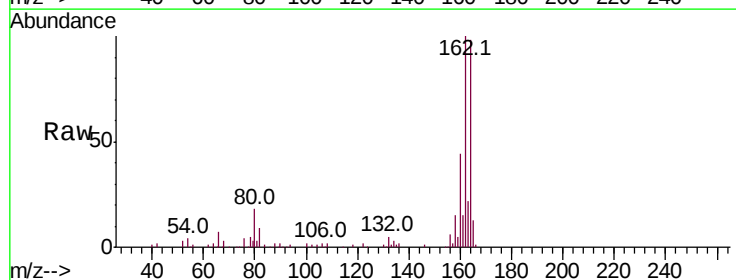
Tgt Ion: 164 Resp: 121307

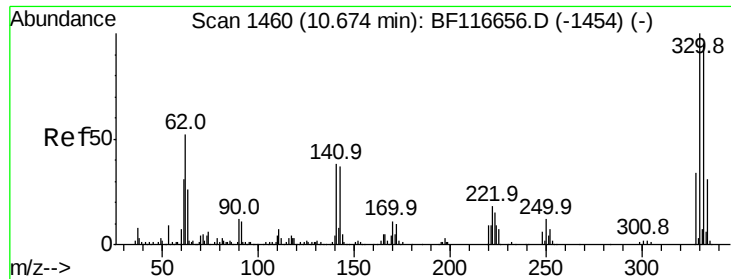
Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.6

160 45.2 35.7 53.5

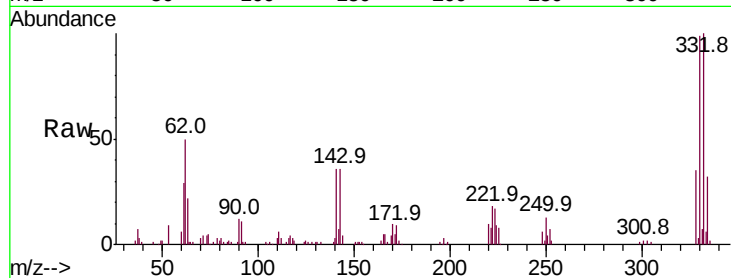




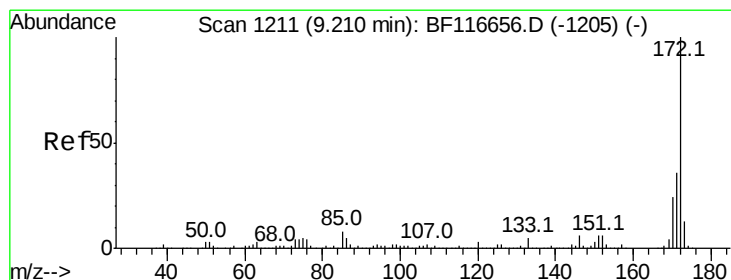
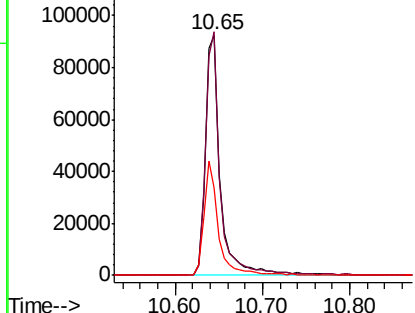
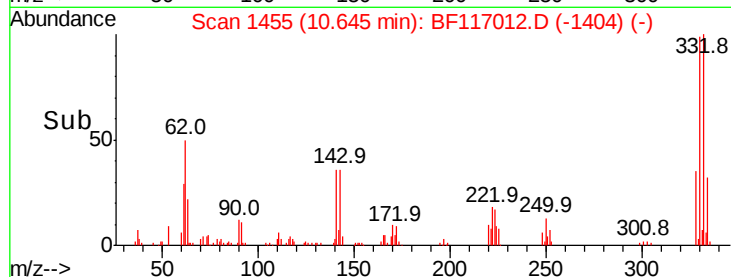
#42
 2,4,6-Tribromophenol
 Concen: 136.322 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117012.D
 Acq: 13 Sep 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.9	113.9
141	45.0	35.6	53.4

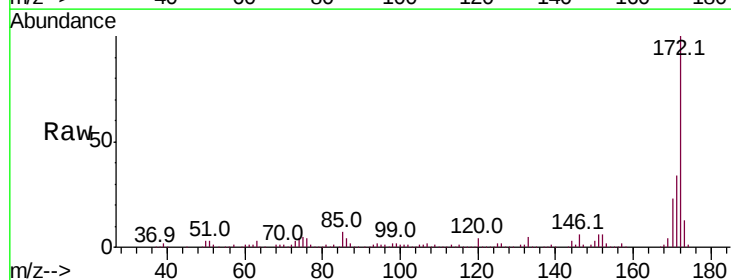


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

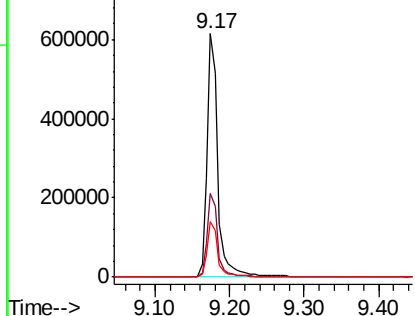
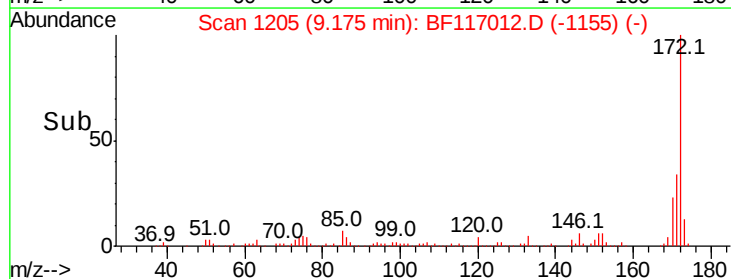


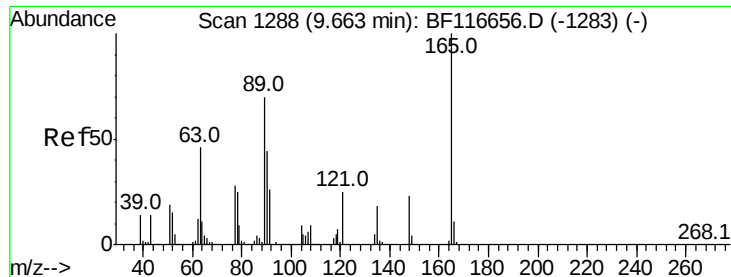
#45
 2-Fluorobiphenyl
 Concen: 86.568 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF117012.D
 Acq: 13 Sep 2019 1:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.1	43.7
170	23.0	19.2	28.8



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





#51

2,6-Dinitrotoluene

Concen: 9.524 ng

RT: 9.86 min Scan# 1321

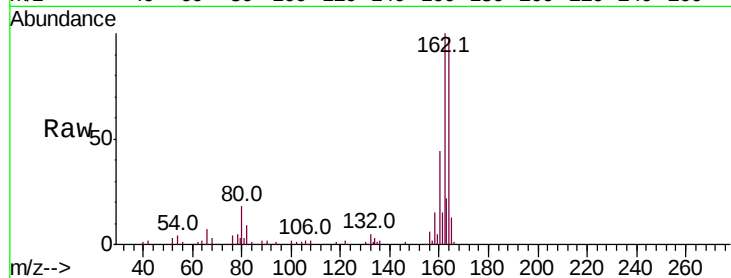
Delta R.T. 0.21 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

Instrument :
BNA_F
ClientSampleId :

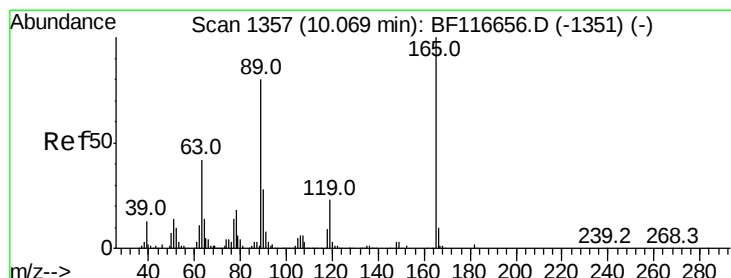
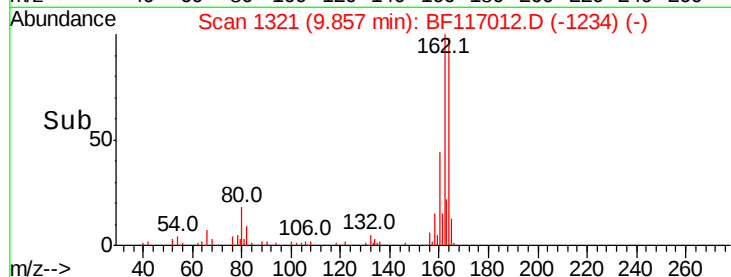
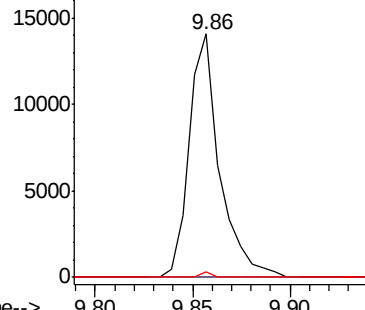
Tot Ion:165	Resp:	15219
Ion Ratio	Lower	Upper
165 100		
63 0.0	38.0	57.0#
89 2.4	44.1	66.1#



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



#57

2,4-Dinitrotoluene

Concen: 7.789 ng

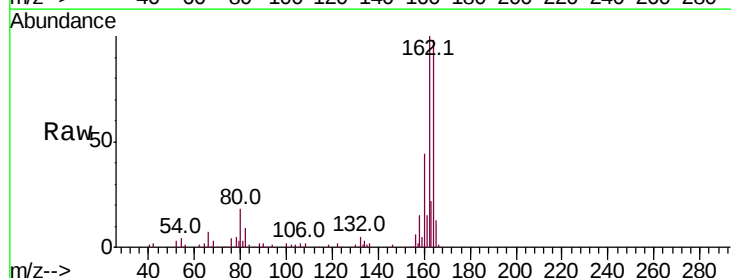
RT: 9.86 min Scan# 1321

Delta R.T. -0.19 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

Tgt Ion:165	Resp:	15219
Ion Ratio	Lower	Upper
165 100		
63 0.0	36.2	54.2#
89 2.4	66.1	99.1#
182 0.0	1.8	2.8#

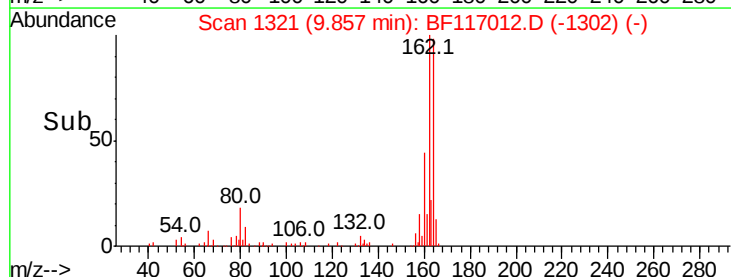
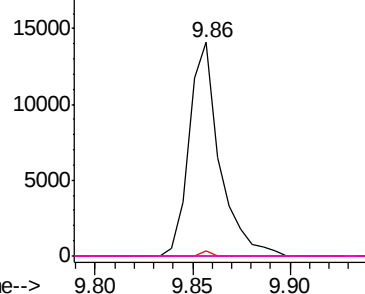


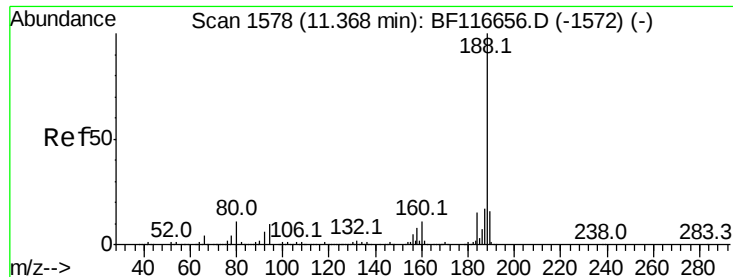
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

Instrument :

BNA_F

ClientSampled :

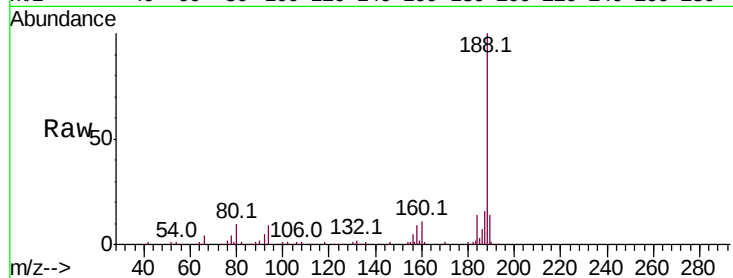
Tot Ion:188 Resp: 207017

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

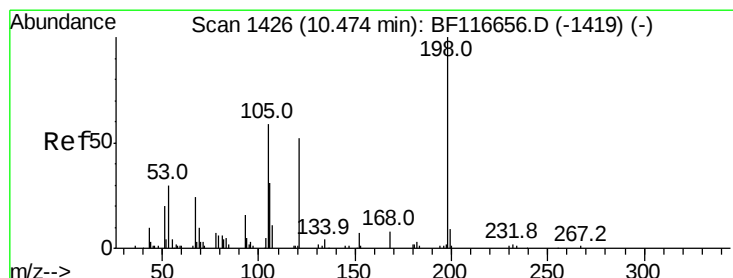
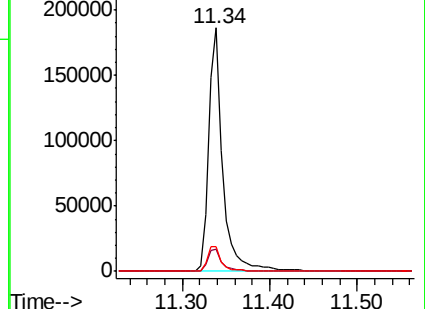
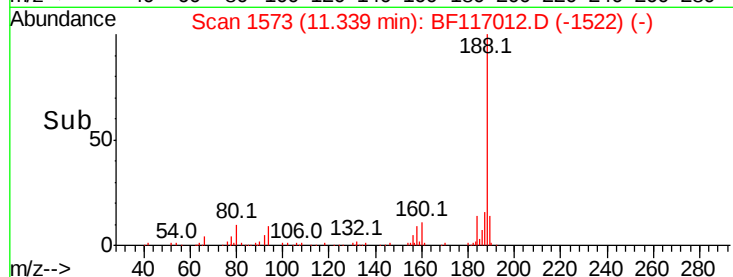
80 10.0 8.5 12.7



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: 7.576 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

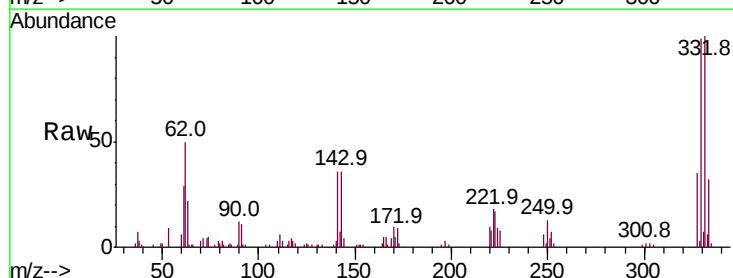
Tgt Ion:198 Resp: 113

Ion Ratio Lower Upper

198 100

51 0.0 26.3 66.3#

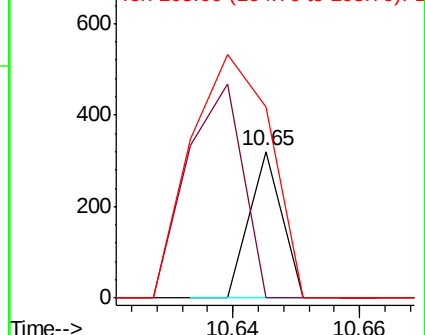
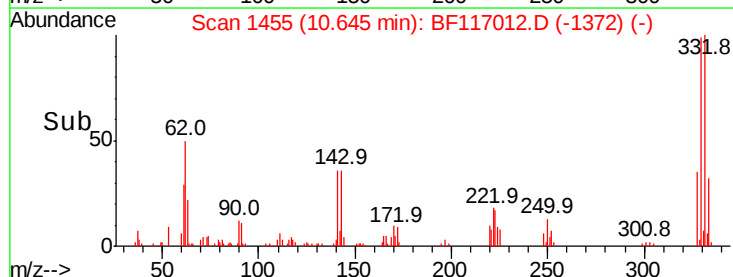
105 130.2 40.0 80.0#

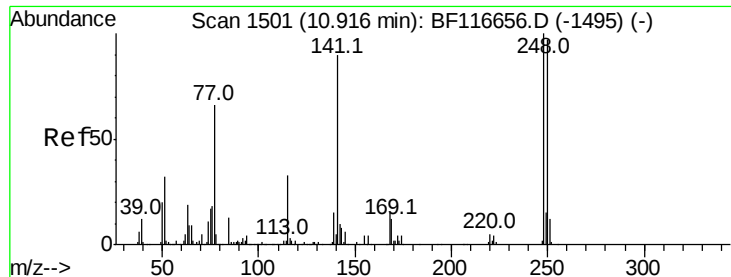


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

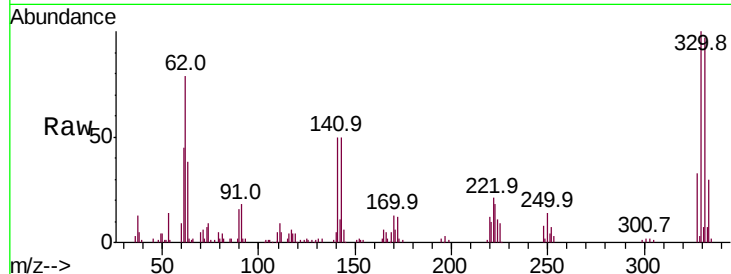




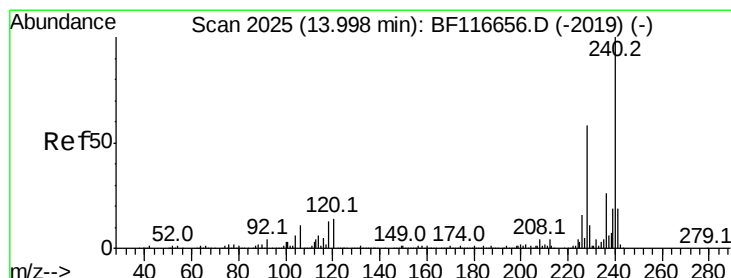
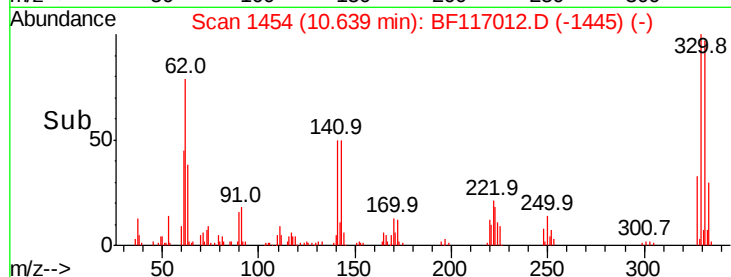
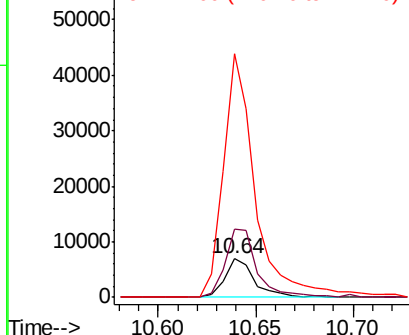
#67
4-Bromophenyl-phenylether
Concen: 3.478 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF117012.D
Acq: 13 Sep 2019 1:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 7315
Ion Ratio Lower Upper
248 100
250 175.8 77.0 115.4#
141 632.8 70.2 105.2#

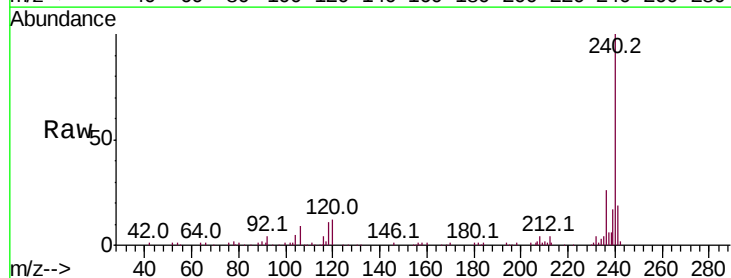


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

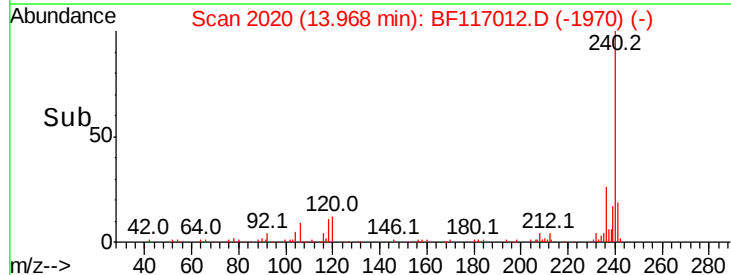
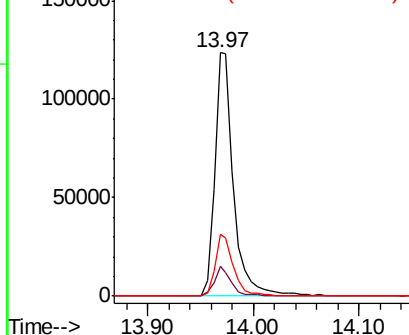


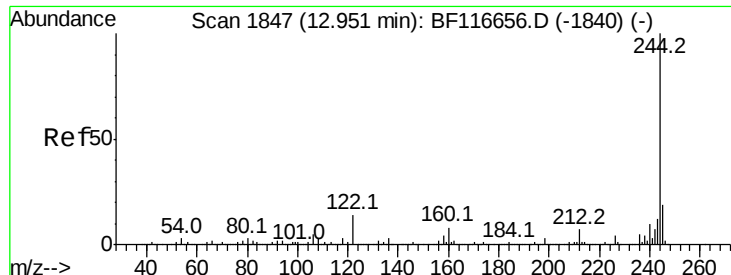
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117012.D
Acq: 13 Sep 2019 1:10

Tgt Ion:240 Resp: 155472
Ion Ratio Lower Upper
240 100
120 12.4 9.1 13.7
236 25.7 20.9 31.3



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: 75.851 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

Instrument :

BNA_F

ClientSampleId :

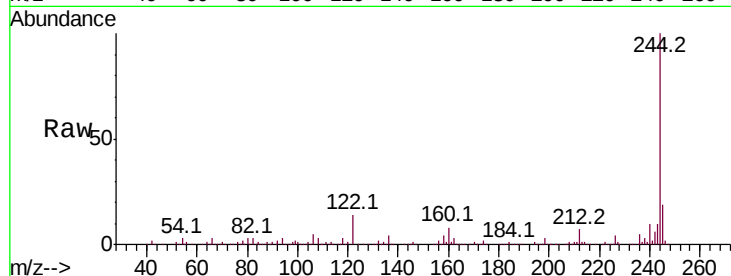
Tot Ion:244 Resp: 637461

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

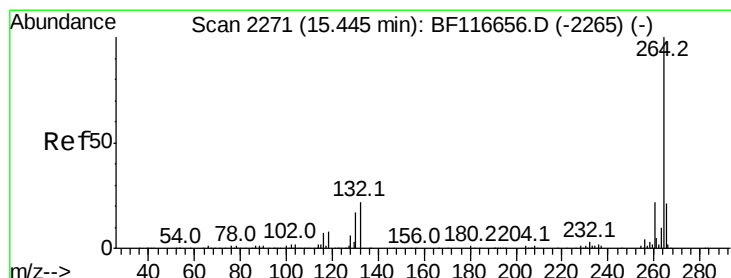
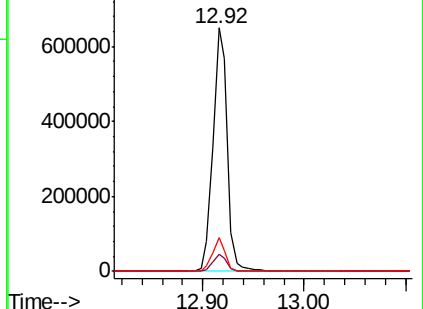
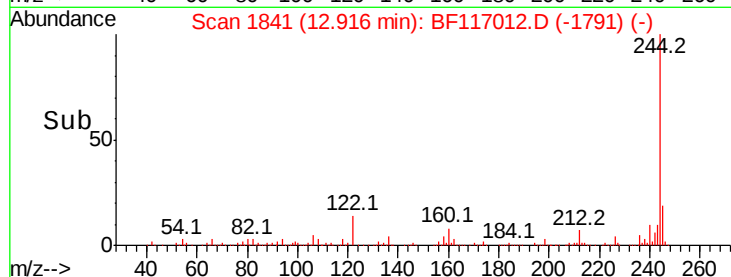
122 14.0 11.5 17.3



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: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF117012.D

Acq: 13 Sep 2019 1:10

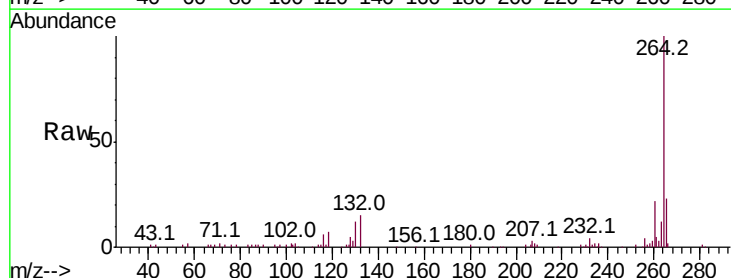
Tgt Ion:264 Resp: 128605

Ion Ratio Lower Upper

264 100

260 21.9 19.0 28.4

265 22.9 17.9 26.9



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

