

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116689.D
 Acq On : 31 Aug 2019 10:41
 Operator : HP/JU
 Sample : K4527-17
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-P-(0-1.9)

Quant Time: Aug 31 16:01:41 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	102836	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	400813	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	205384	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	343557	20.00	ng	0.00
76) Chrysene-d12	13.99	240	273928	20.00	ng	0.00
87) Perylene-d12	15.44	264	265715	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	880714	138.75	ng	0.00
7) Phenol-d6	6.48	99	1151258	138.12	ng	0.00
23) Nitrobenzene-d5	7.40	82	723804	103.09	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	199497	145.30	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1193119	98.00	ng	0.00
79) Terphenyl-d14	12.95	244	1232313	83.22	ng	0.00

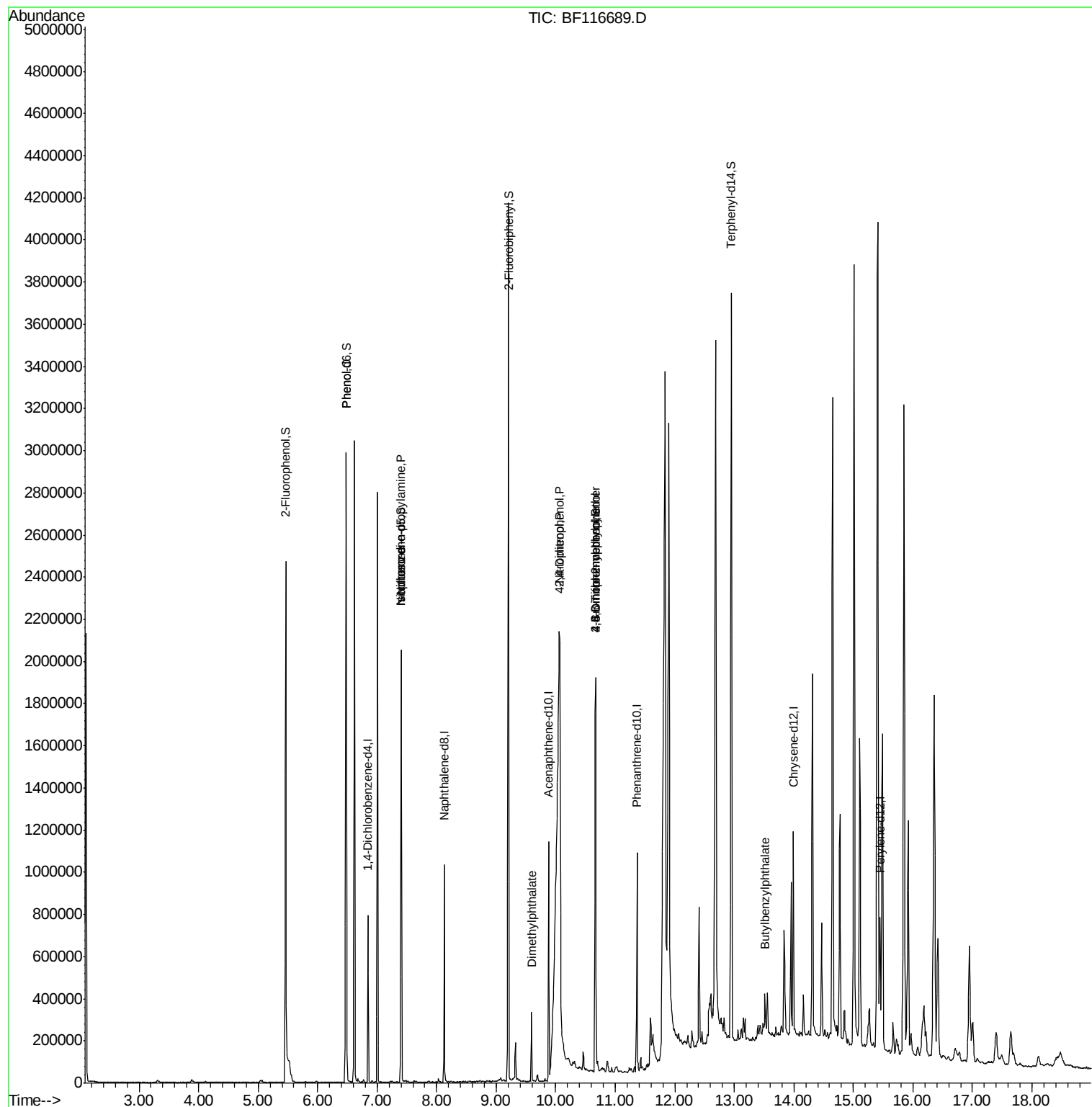
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	46057	4.990	ng	90
19) n-Nitroso-di-n-propylamine	7.40	70	97125	17.697	ng	# 73
25) Isophorone	7.40	82	723791	50.874	ng	# 66
50) Dimethylphthalate	9.59	163	112013	7.900	ng	100
54) 2,4-Dinitrophenol	10.06	184	110	9.142	ng	# 1
56) 4-Nitrophenol	10.07	139	14598	6.279	ng	# 47
65) 4,6-Dinitro-2-methylphenol	10.66	198	556	7.822	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	13091	3.751	ng	# 1
80) Butylbenzylphthalate	13.52	149	44597	3.766	ng	# 27

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

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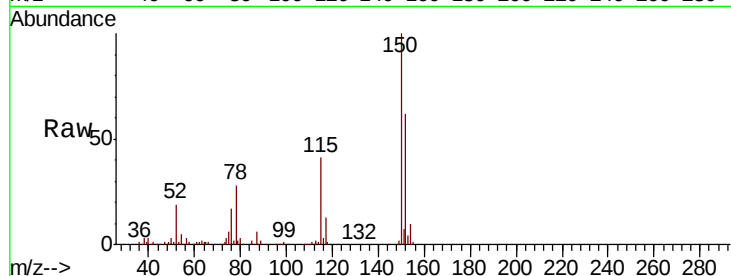


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

Instrument :
BNA_F
ClientSampleId :
T9-12-13-P-(0-1.9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	124.4	186.6
115	66.3	49.9	74.9

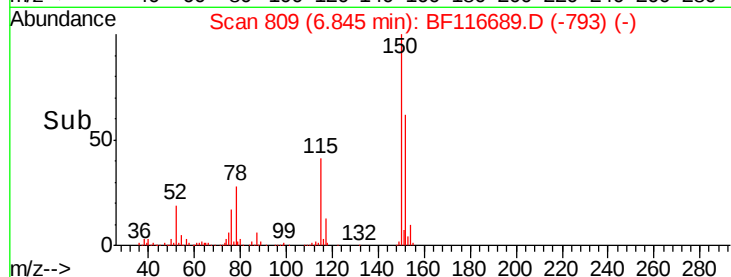
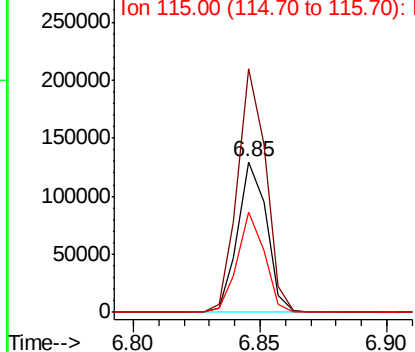


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

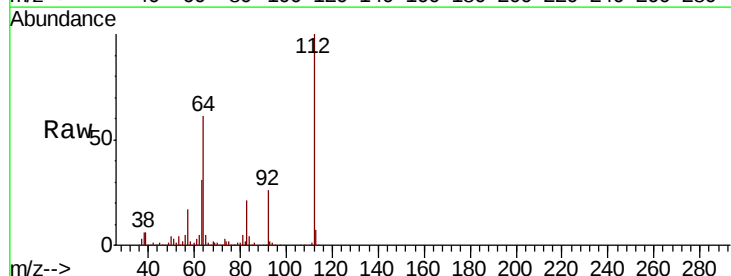
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 138.746 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.1	70.7
63	31.2	24.9	37.3

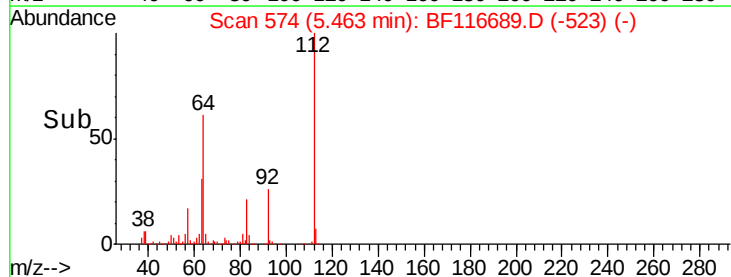
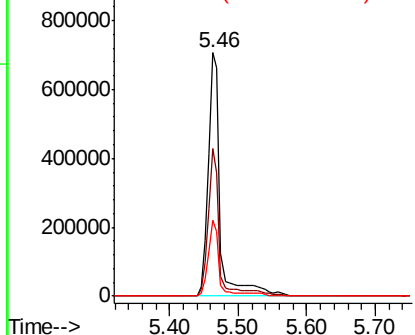


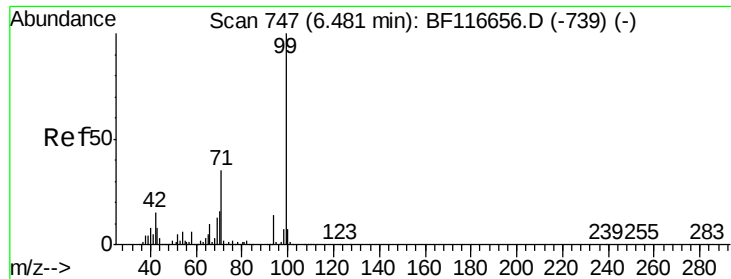
Abundance

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: 138.120 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116689.D

Acq: 31 Aug 2019 10:41

Instrument :

BNA_F

ClientSampleId :

T9-12-13-P-(0-1.9)

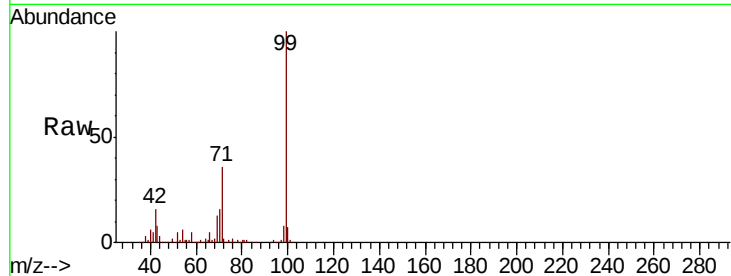
Tot Ion: 99 Resp: 1151258

Ion Ratio Lower Upper

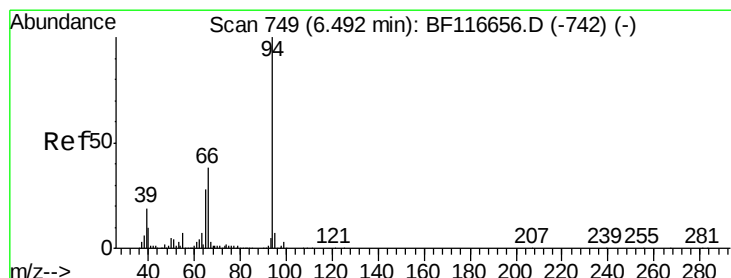
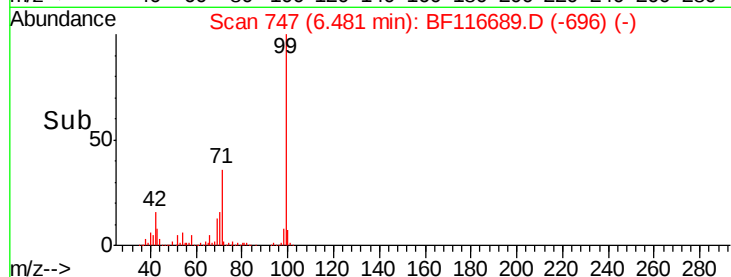
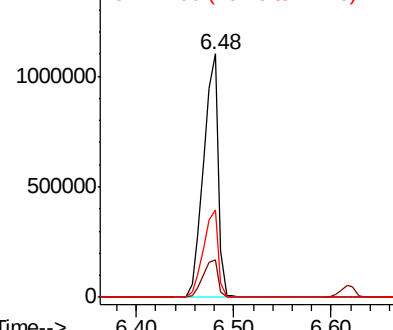
99 100

42 15.5 13.7 20.5

71 35.8 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.990 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116689.D

Acq: 31 Aug 2019 10:41

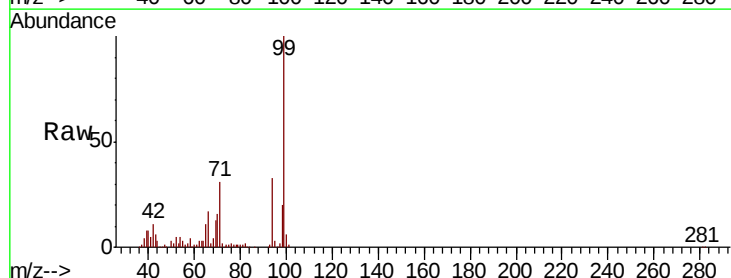
Tgt Ion: 94 Resp: 46057

Ion Ratio Lower Upper

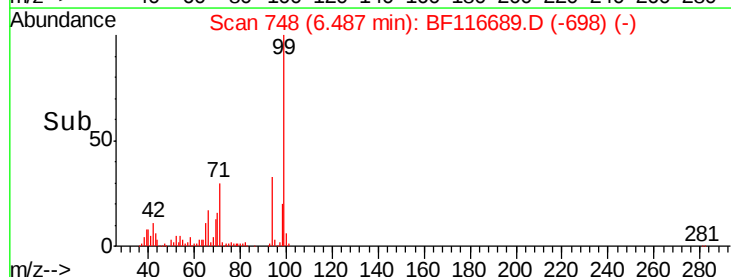
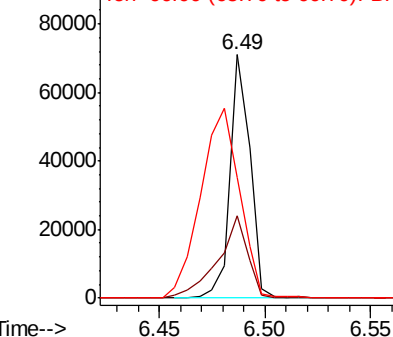
94 100

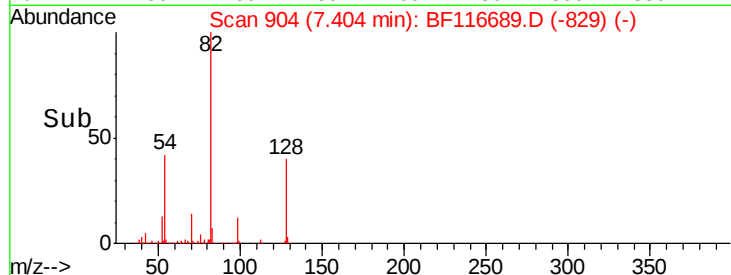
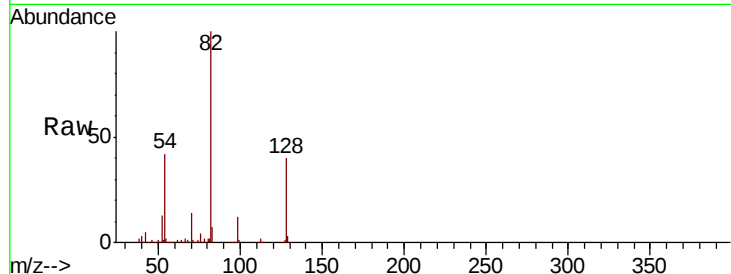
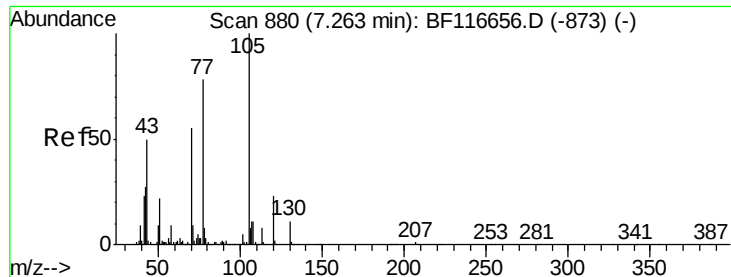
65 33.8 10.8 50.8

66 49.7 21.1 61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
80000
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

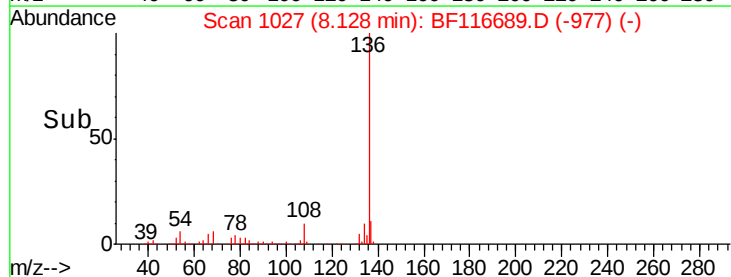
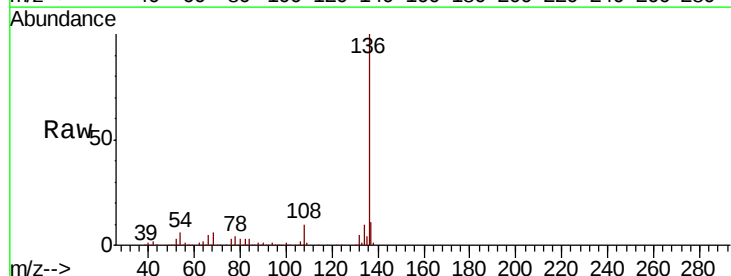
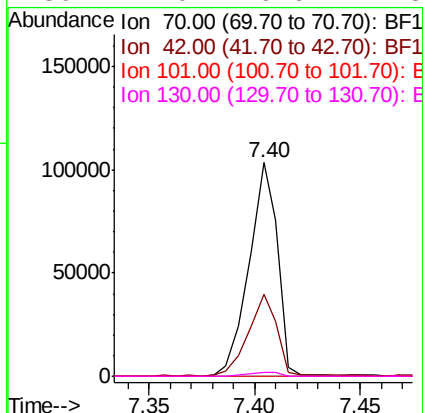




#19
n-Nitroso-di-n-propylamine
Concen: 17.697 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

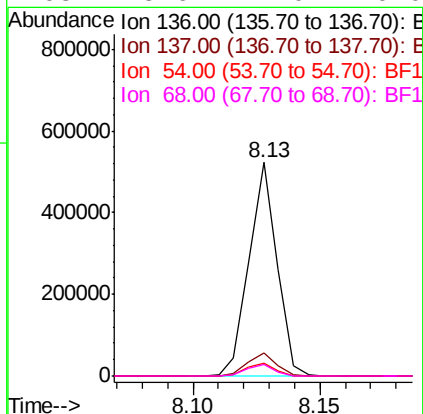
Instrument :
BNA_F
ClientSampleId :
T9-12-13-P-(0-1.9)

Tot Ion:	70	Resp:	97125
Ion	Ratio	Lower	Upper
70	100		
42	38.3	43.5	65.3#
101	0.0	7.8	11.6#
130	2.0	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: BF116689.D
Acq: 31 Aug 2019 10:41

Tgt Ion:	136	Resp:	400813
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.3	4.8	7.2
68	5.6	4.0	6.0





#23

Nitrobenzene-d5

Concen: 103.091 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116689.D

Acq: 31 Aug 2019 10:41

Instrument :

BNA_F

ClientSampleId :

T9-12-13-P-(0-1.9)

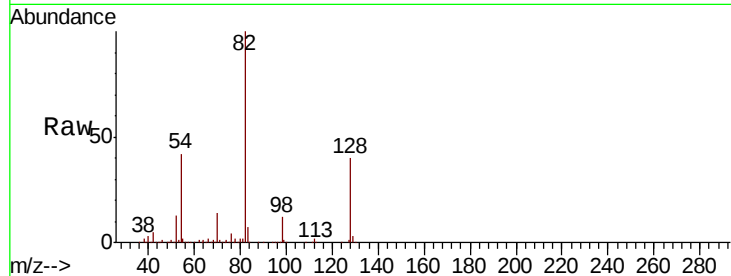
Tot Ion: 82 Resp: 723804

Ion Ratio Lower Upper

82 100

128 40.2 32.8 49.2

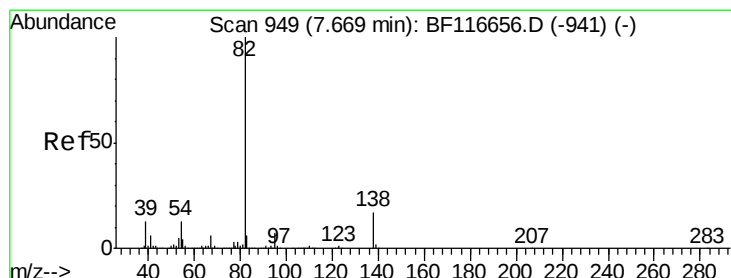
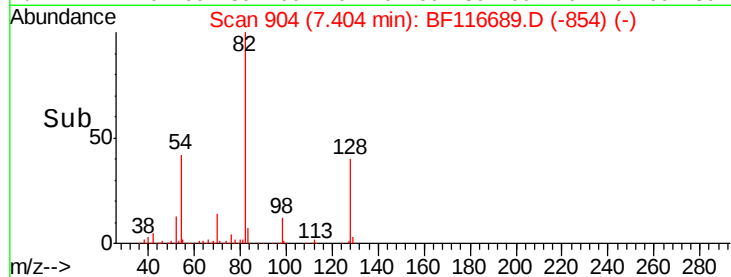
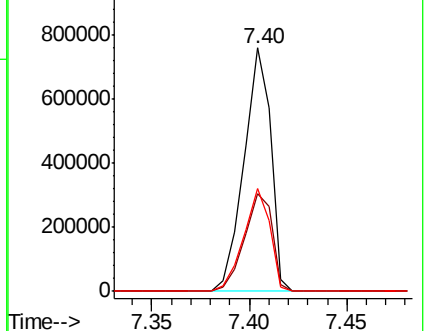
54 42.0 36.9 55.3



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: 50.874 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116689.D

Acq: 31 Aug 2019 10:41

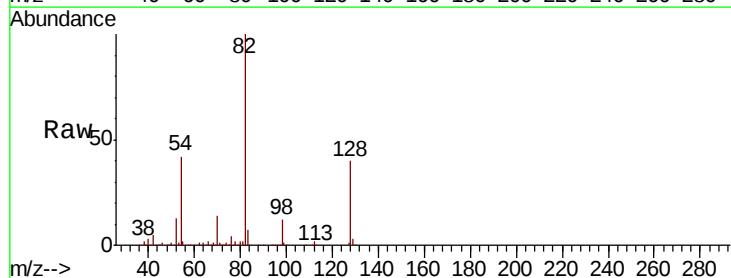
Tgt Ion: 82 Resp: 723791

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

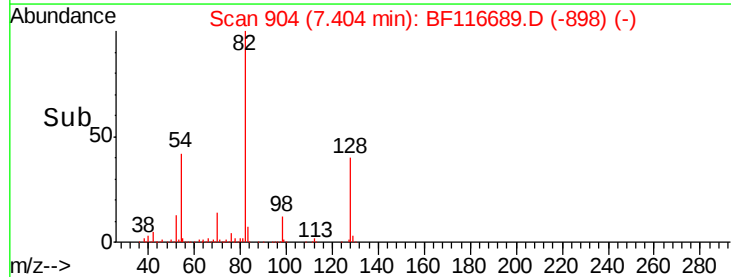
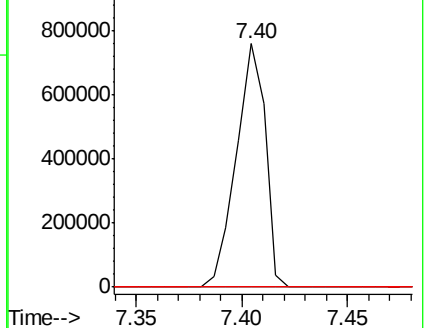
138 0.0 13.5 20.3#



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

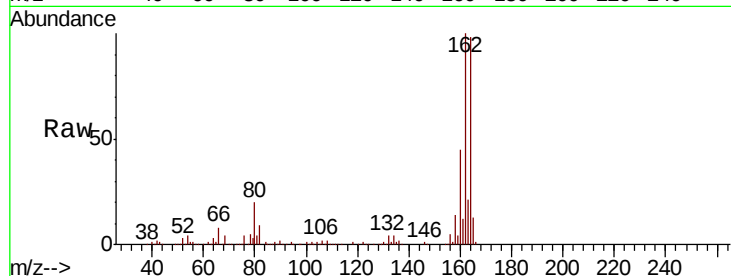




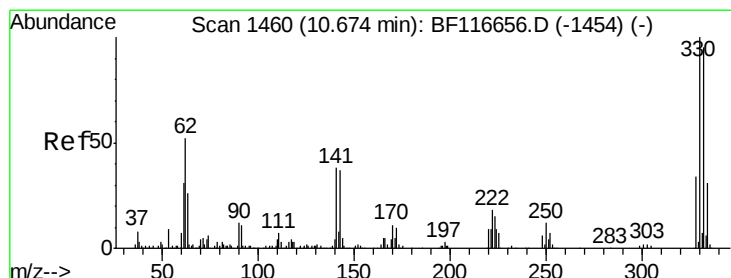
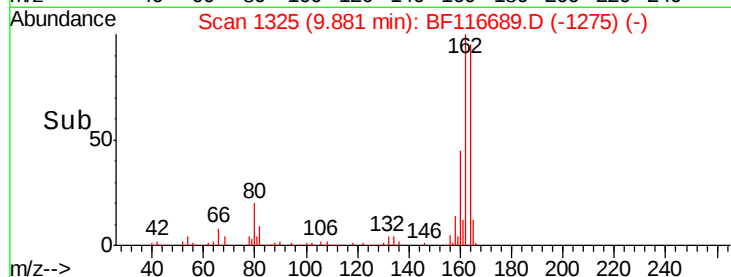
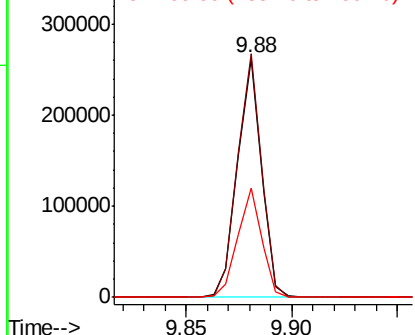
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

Instrument :
BNA_F
ClientSampleId :
T9-12-13-P-(0-1.9)

Tot Ion:164 Resp: 205384
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.0
160 45.8 35.4 53.2

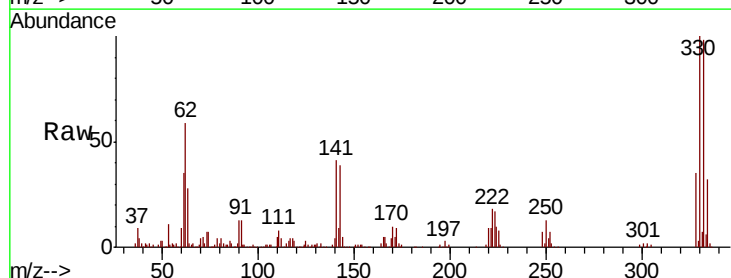


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

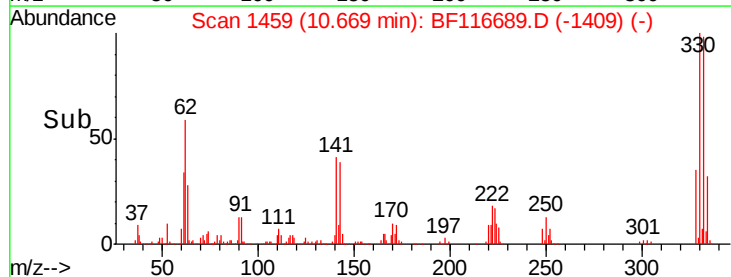
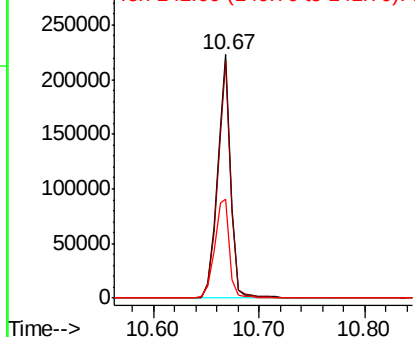


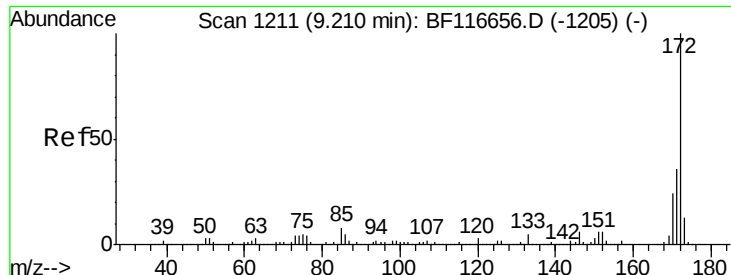
#42
2,4,6-Tribromophenol
Concen: 145.296 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

Tgt Ion:330 Resp: 199497
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 45.6 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

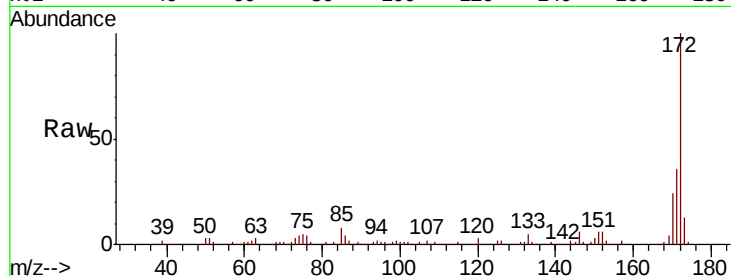




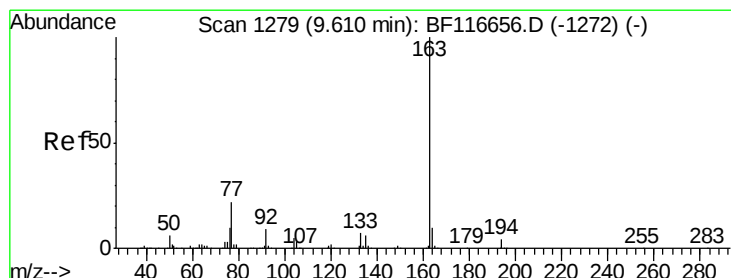
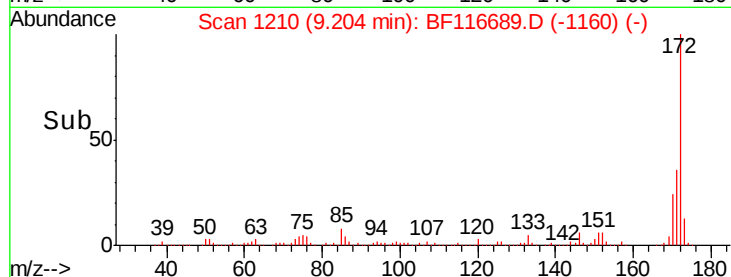
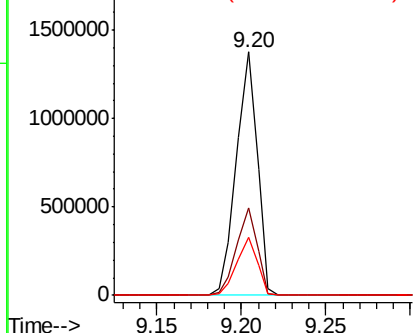
#45
2-Fluorobiphenyl
Concen: 97.995 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

Instrument :
BNA_F
ClientSampleId :
T9-12-13-P-(0-1.9)

Tot Ion:172 Resp: 1193119
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.1 18.9 28.3

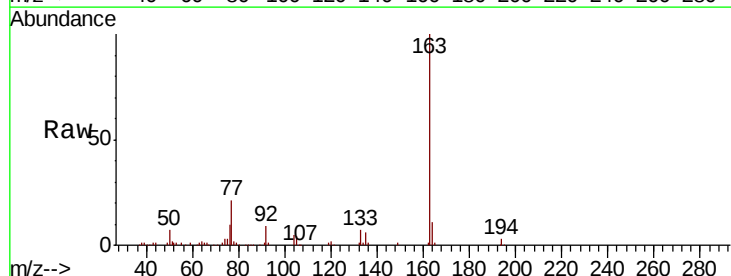


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

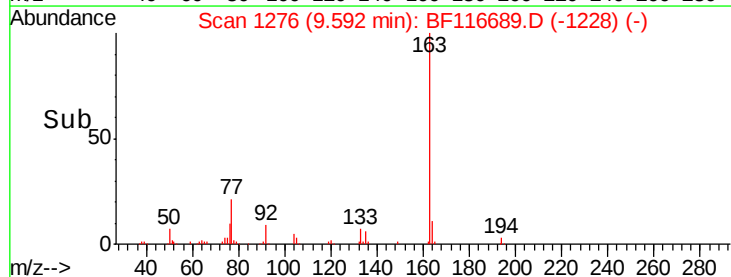
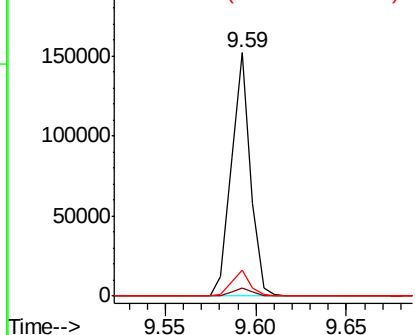


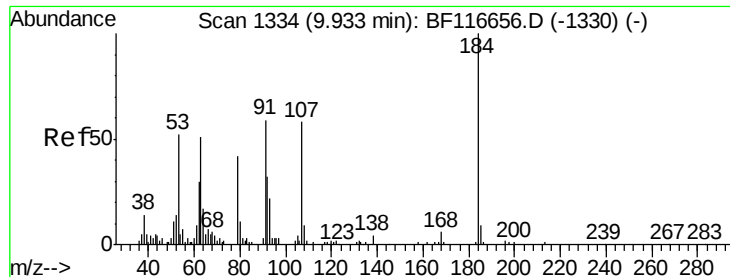
#50
Dimethylphthalate
Concen: 7.900 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

Tgt Ion:163 Resp: 112013
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.6 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

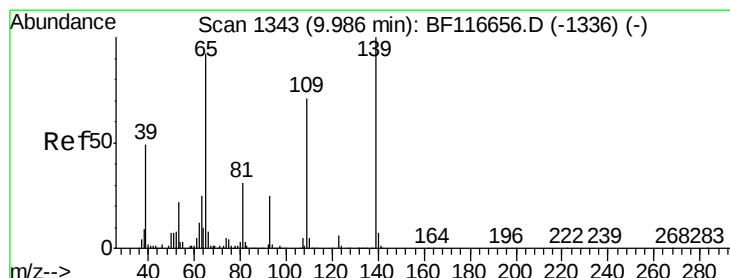
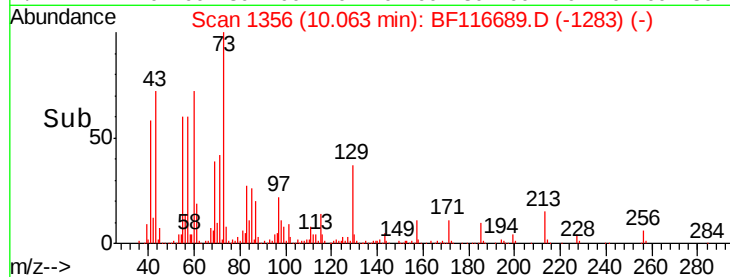
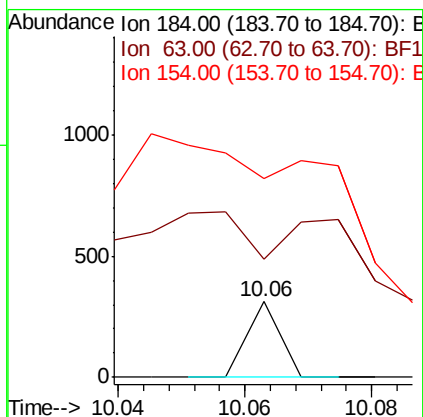
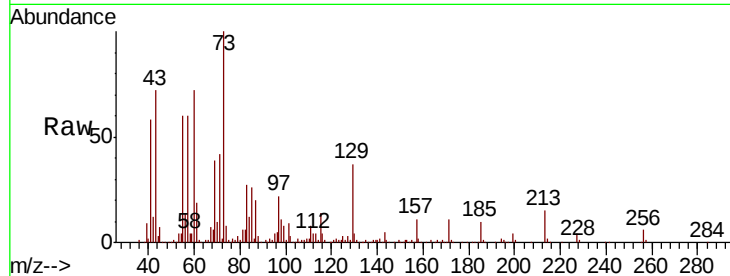




#54
 2,4-Dinitrophenol
 Concen: 9.142 ng
 RT: 10.06 min Scan# 1356
 Delta R.T. 0.13 min
 Lab File: BF116689.D
 Acq: 31 Aug 2019 10:41

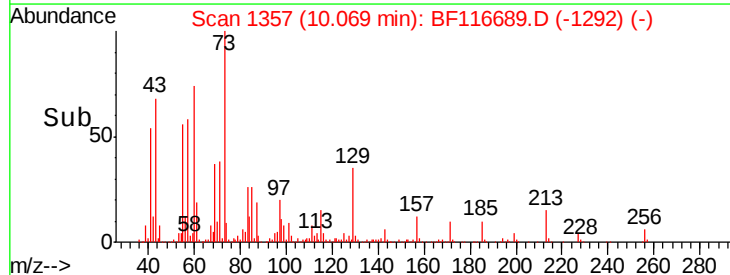
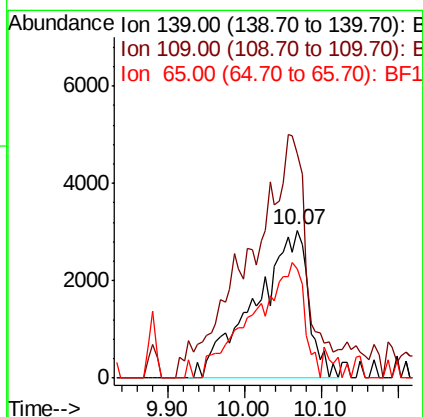
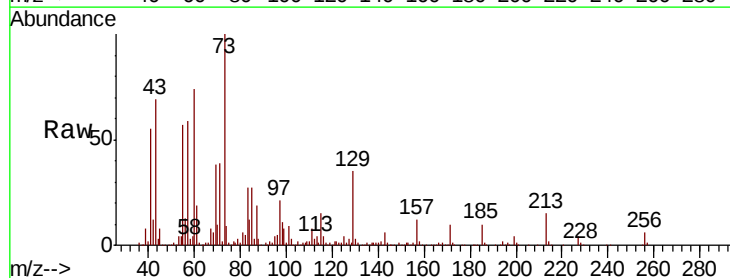
Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-P-(0-1.9)

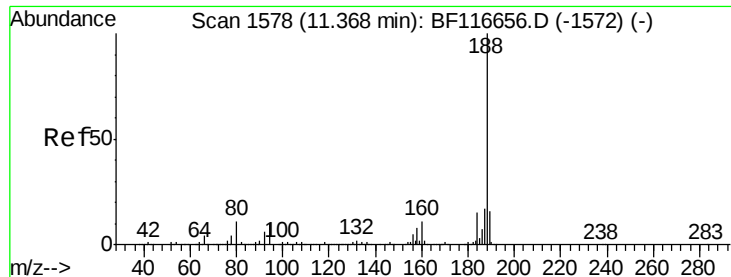
Tot Ion:184 Resp: 110
 Ion Ratio Lower Upper
 184 100
 63 157.6 52.2 78.2#
 154 263.3 60.8 91.2#



#56
 4-Nitrophenol
 Concen: 6.279 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.08 min
 Lab File: BF116689.D
 Acq: 31 Aug 2019 10:41

Tgt Ion:139 Resp: 14598
 Ion Ratio Lower Upper
 139 100
 109 151.5 61.7 101.7#
 65 73.7 89.1 129.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116689.D

Acq: 31 Aug 2019 10:41

Instrument :

BNA_F

ClientSampleId :

T9-12-13-P-(0-1.9)

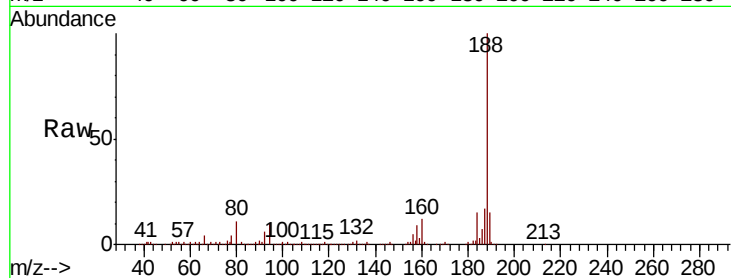
Tot Ion:188 Resp: 343557

Ion Ratio Lower Upper

188 100

94 9.5 7.3 10.9

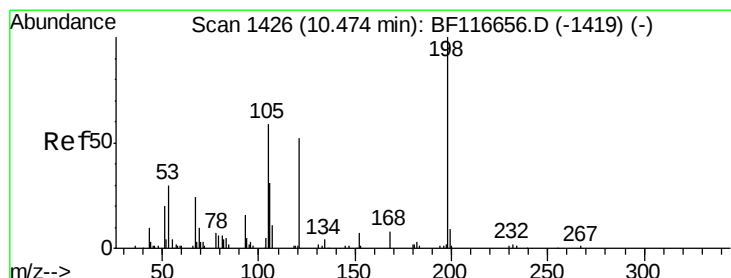
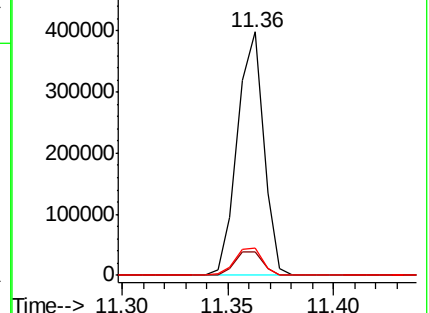
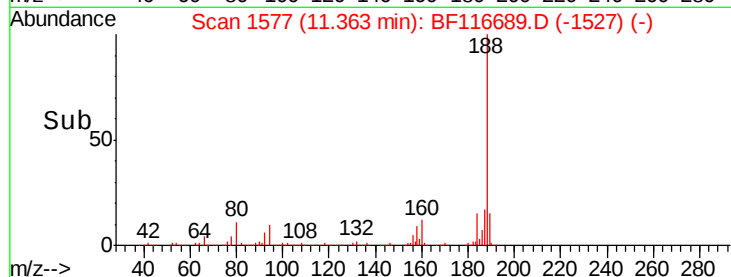
80 11.0 8.4 12.6



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: 7.822 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116689.D

Acq: 31 Aug 2019 10:41

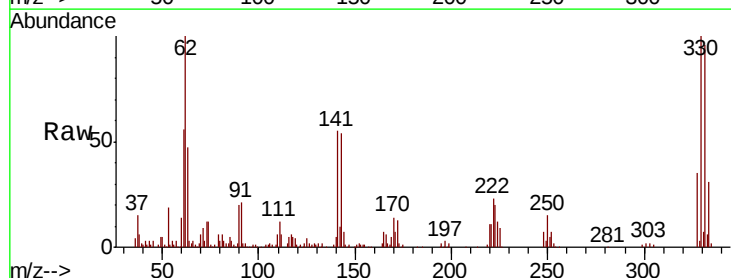
Tgt Ion:198 Resp: 556

Ion Ratio Lower Upper

198 100

51 205.5 18.4 58.4#

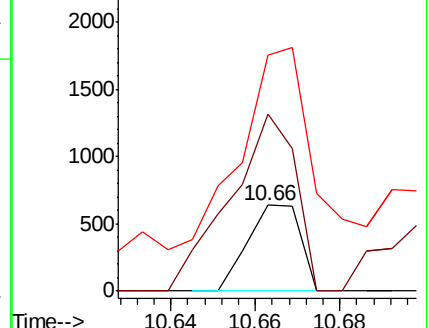
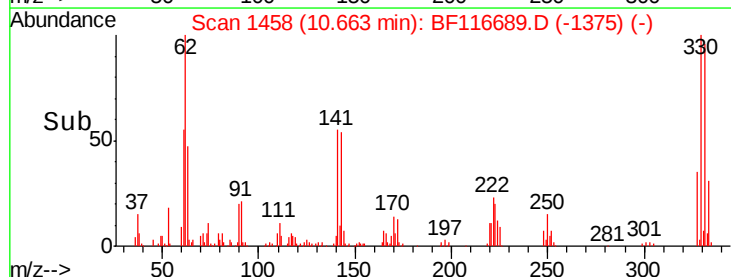
105 273.3 22.9 62.9#

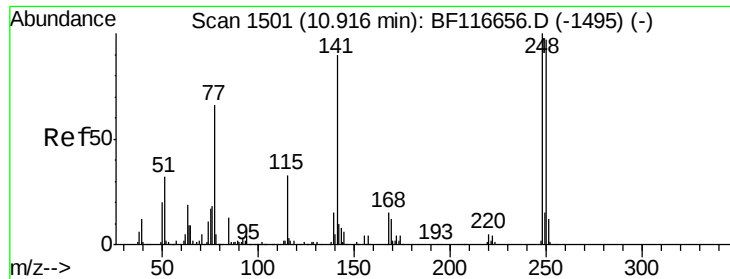


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

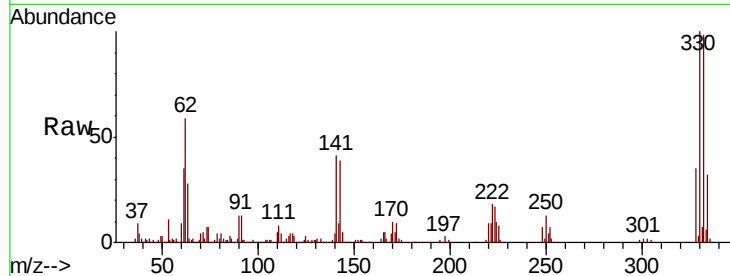




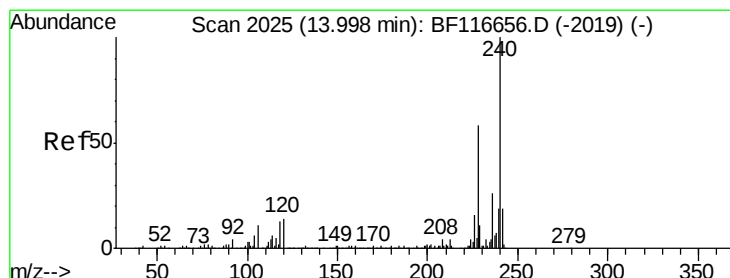
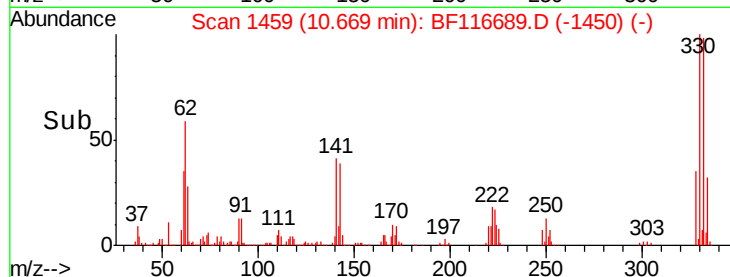
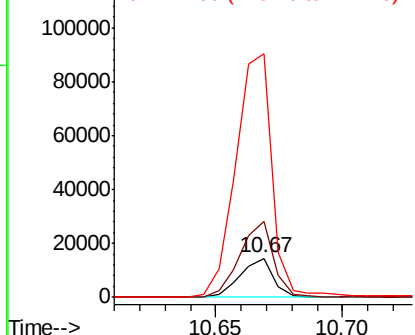
#67
4-Bromophenyl-phenylether
Concen: 3.751 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

Instrument :
BNA_F
ClientSampleId :
T9-12-13-P-(0-1.9)

Tot Ion:248 Resp: 13091
Ion Ratio Lower Upper
248 100
250 193.9 77.8 116.8#
141 622.1 75.9 113.9#

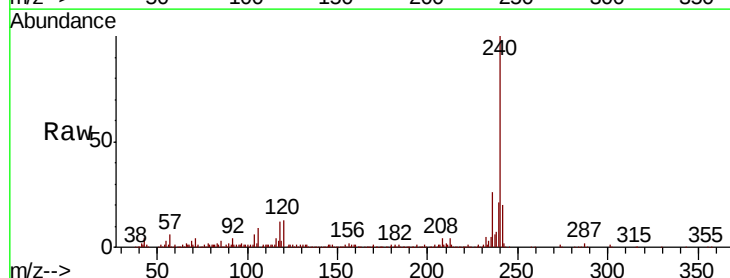


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

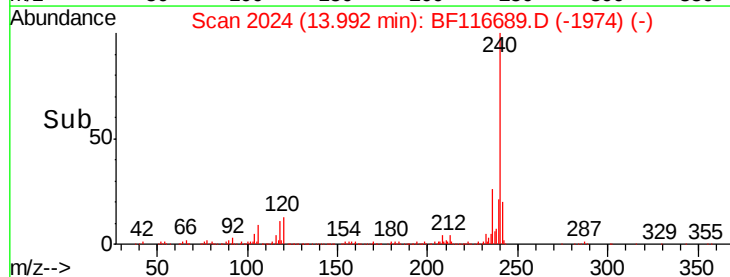
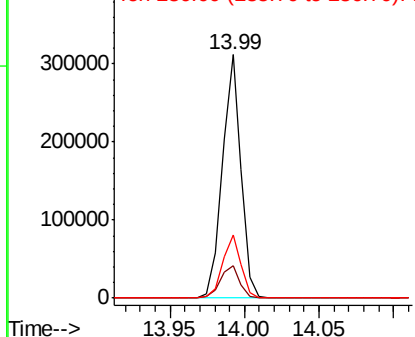


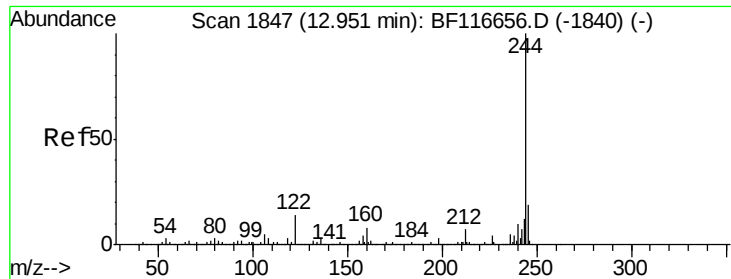
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

Tgt Ion:240 Resp: 273928
Ion Ratio Lower Upper
240 100
120 13.1 9.1 13.7
236 25.9 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: 83.223 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF116689.D

Acq: 31 Aug 2019 10:41

Instrument :

BNA_F

ClientSampleId :

T9-12-13-P-(0-1.9)

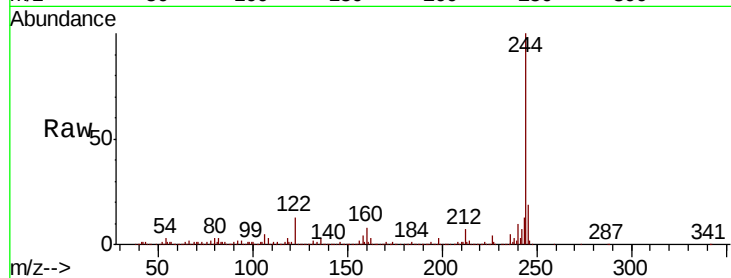
Tot Ion:244 Resp: 1232313

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

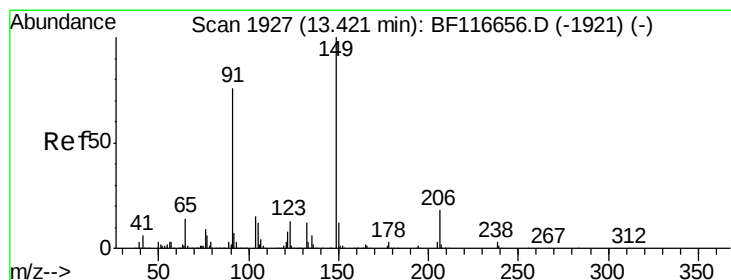
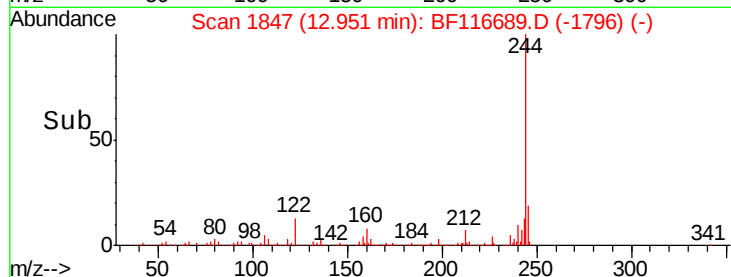
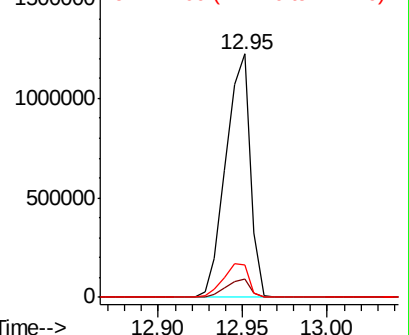
122 13.3 10.2 15.4



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



#80

Butylbenzylphthalate

Concen: 3.766 ng

RT: 13.52 min Scan# 1943

Delta R.T. 0.09 min

Lab File: BF116689.D

Acq: 31 Aug 2019 10:41

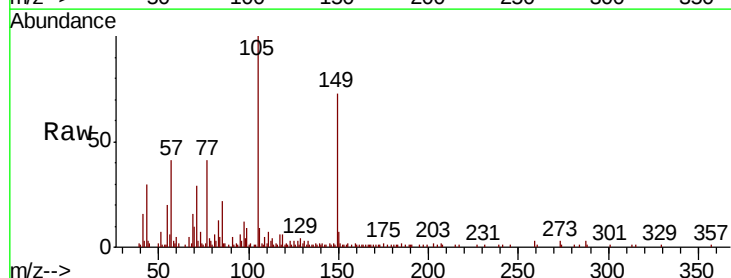
Tgt Ion:149 Resp: 44597

Ion Ratio Lower Upper

149 100

91 7.0 61.0 91.4#

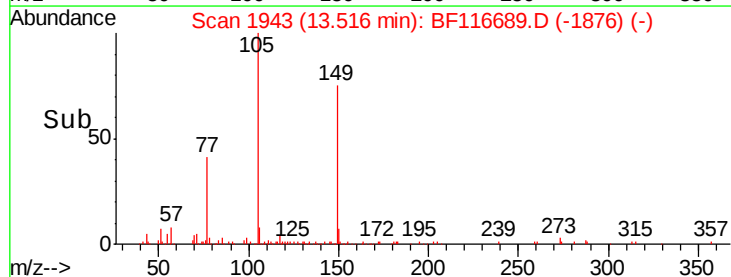
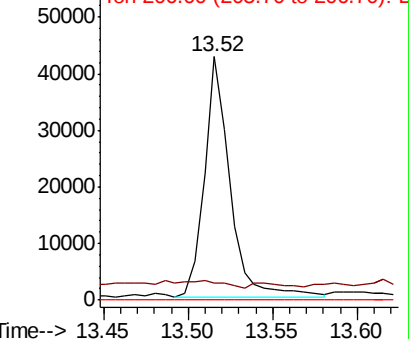
206 0.0 14.8 22.2#

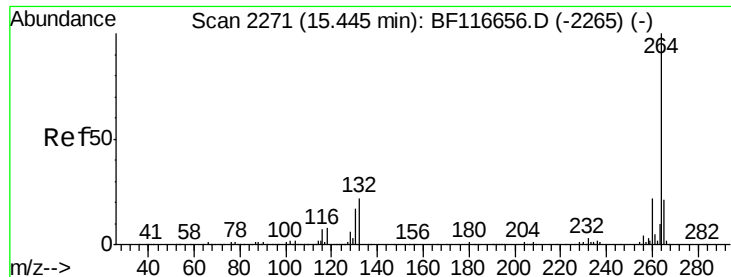


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116689.D
Acq: 31 Aug 2019 10:41

Instrument :
BNA_F
ClientSampleId :
T9-12-13-P-(0-1.9)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.8	16.5	24.7

