

Data Path : Z:\HPCHEM1\BNA F\Data\BF101216\
 Data File : BF090529.D
 Acq On : 12 Oct 2016 12:21
 Operator : UM/SJ
 Sample : H5146-12RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0618

Quant Time: Oct 12 13:07:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 11 16:14:43 2016
 Response via : Initial Calibration

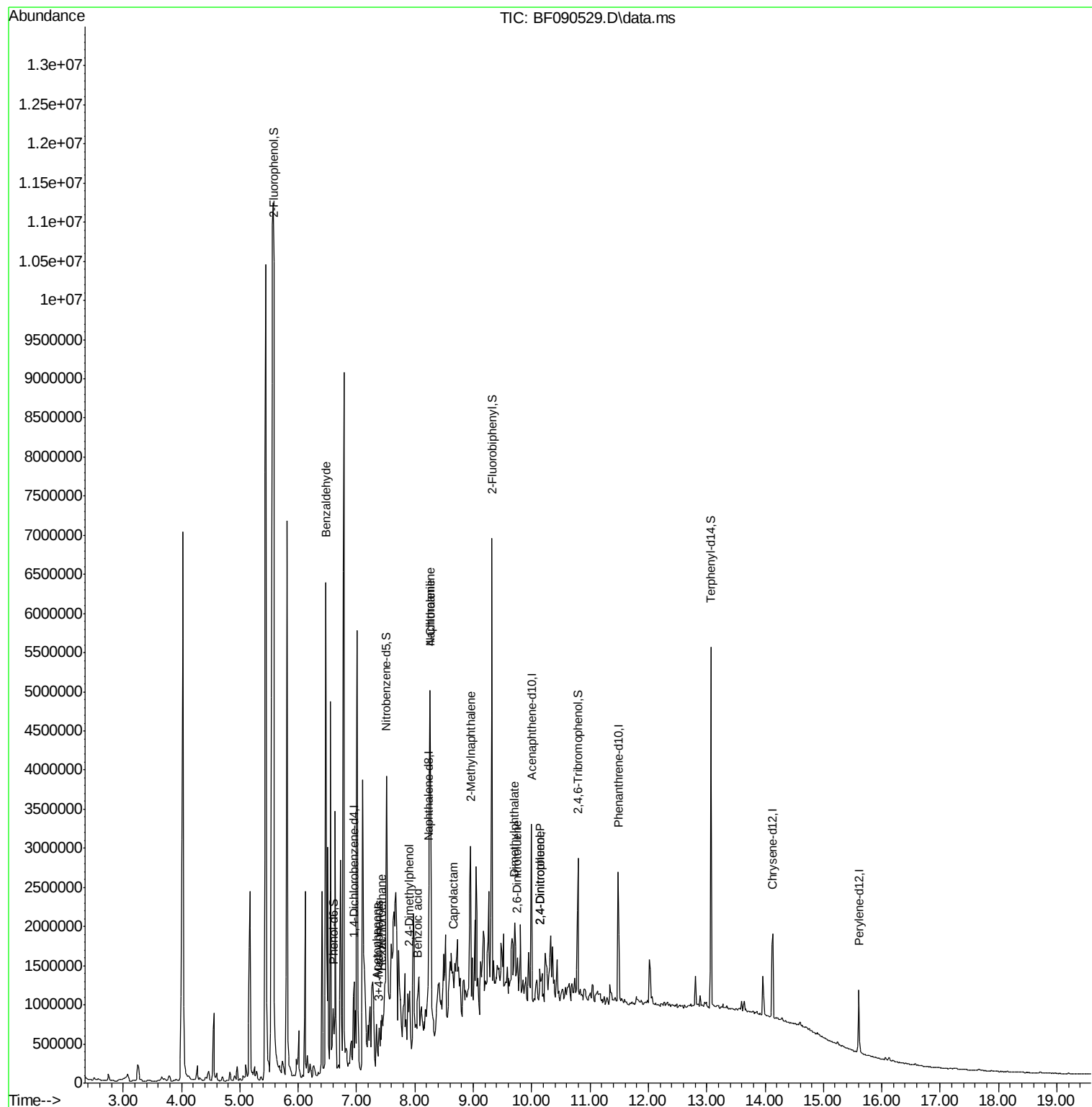
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.955	152	214051	20.00	ng	0.00	
21) Naphthalene-d8	8.235	136	880639	20.00	ng	-0.01	
38) Acenaphthene-d10	9.995	164	467433	20.00	ng	-0.01	
63) Phenanthrene-d10	11.481	188	728463	20.00	ng	0.00	
75) Chrysene-d12	14.132	240	527799	20.00	ng	0.00	
86) Perylene-d12	15.607	264	399630	20.00	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.583	112	324844	23.61	ng	0.02	
7) Phenol-d6	6.600	99	525584	30.27	ng	0.01	
23) Nitrobenzene-d5	7.515	82	1255963	77.35	ng	0.00	
41) 2,4,6-Tribromophenol	10.795	330	307084	66.27	ng	0.00	
44) 2-Fluorobiphenyl	9.320	172	2469931	88.80	ng	0.00	
78) Terphenyl-d14	13.069	244	1989025	92.10	ng	-0.01	
Target Compounds							Qvalue
9) Benzaldehyde	6.474	77	336531	30.77	ng	#	1
18) Hexachloroethane	7.435	117	33897	5.70	ng	#	1
20) 3+4-Methylphenols	7.377	107	34365	2.28	ng	#	84
22) Acetophenone	7.343	105	213425	11.01	ng	#	54
27) 2,4-Dimethylphenol	7.903	122	69720	5.16	ng		92
31) Naphthalene	8.258	128	2790733	63.61	ng		99
32) Benzoic acid	8.040	122	62852	5.90	ng	#	35
33) 4-Chloroaniline	8.258	127	388121	20.90	ng	#	29
35) Caprolactam	8.658	113	56976	15.56	ng	#	14
37) 2-Methylnaphthalene	8.955	142	641783	21.79	ng		97
49) Dimethylphthalate	9.709	163	357239	11.36	ng		96
50) 2,6-Dinitrotoluene	9.755	165	33024	4.76	ng	#	25
53) 2,4-Dinitrophenol	10.143	184	41608	10.80	ng	#	42
56) 2,4-Dinitrotoluene	10.143	165	29012	3.16	ng	#	70

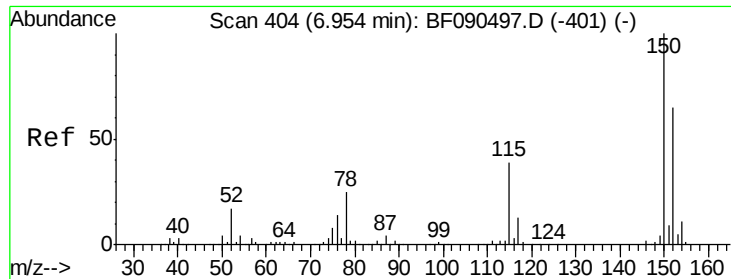
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF101216\
Data File : BF090529.D
Acq On : 12 Oct 2016 12:21
Operator : UM/SJ
Sample : H5146-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0618

Quant Time: Oct 12 13:07:59 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration

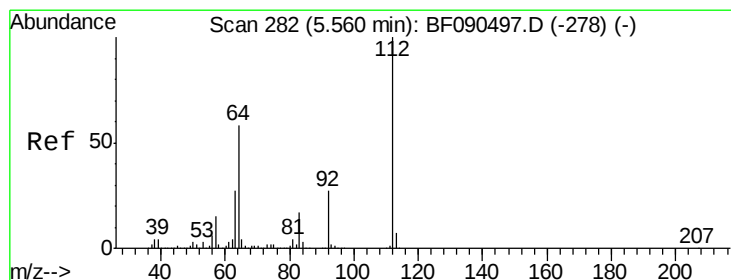
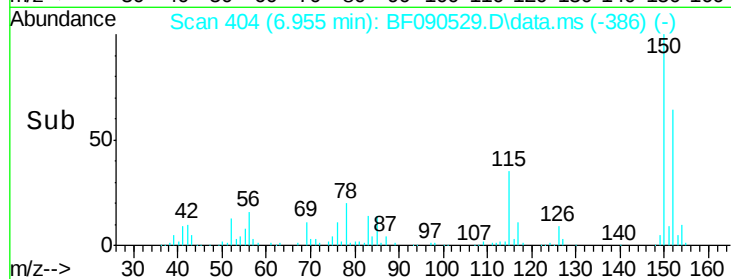
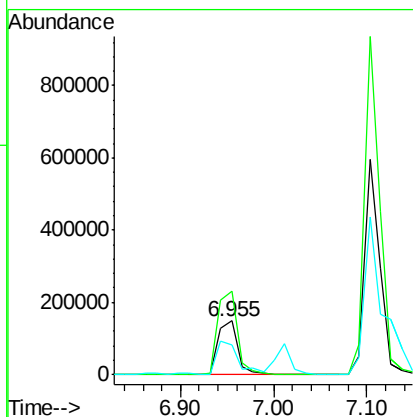
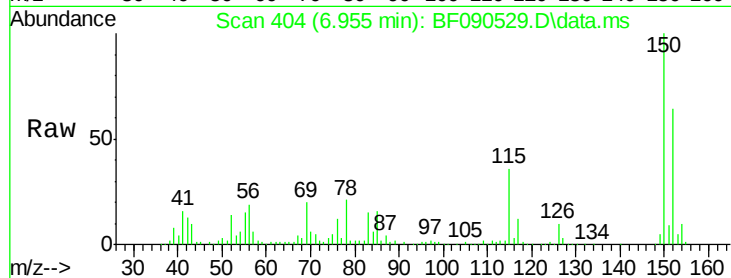




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.955 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: BF090529.D
 Acq: 12 Oct 2016 12:21

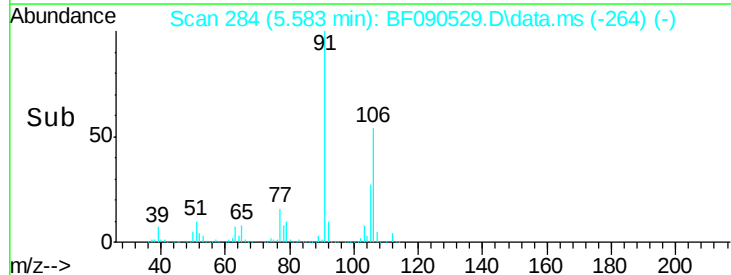
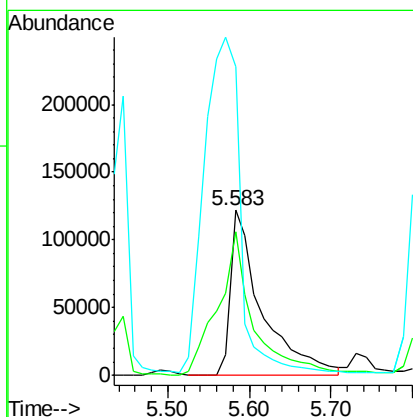
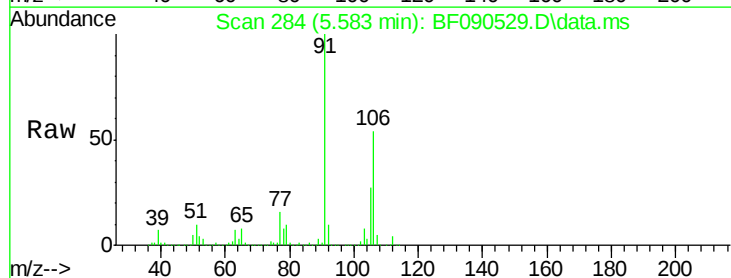
Instrument :
 BNA_F
 ClientSampleId :
 S8-0618

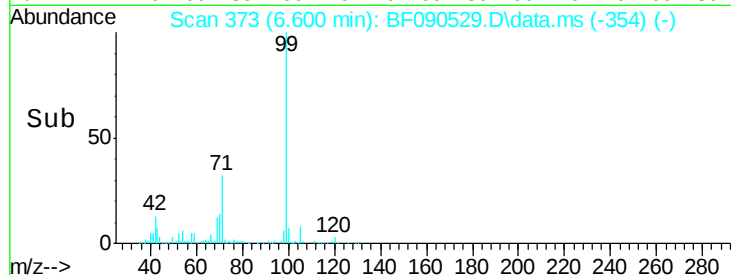
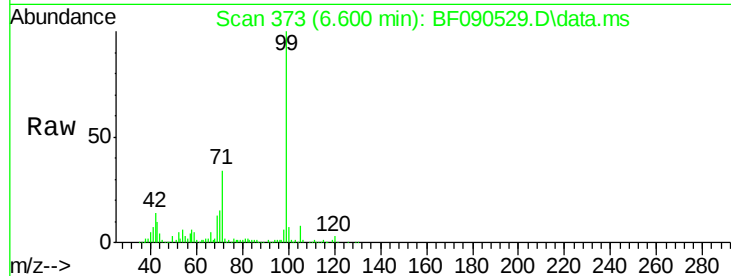
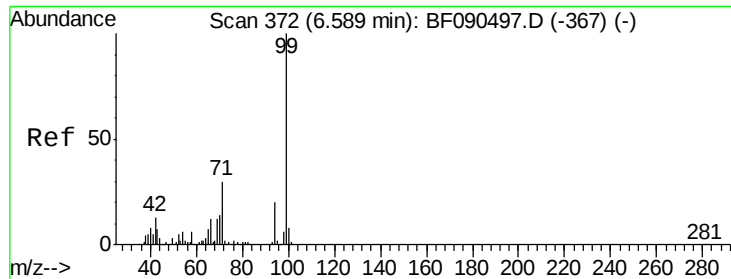
Tot Ion:152 Resp: 214051
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.6 186.8
 115 55.5 46.2 69.4



#5
 2-Fluorophenol
 Concen: 23.61 ng
 RT: 5.583 min Scan# 284
 Delta R.T. 0.024 min
 Lab File: BF090529.D
 Acq: 12 Oct 2016 12:21

Tgt Ion:112 Resp: 324844
 Ion Ratio Lower Upper
 112 100
 64 86.8 57.9 86.9
 63 187.3 29.6 44.4#





#7

Phenol-d6

Concen: 30.27 ng

RT: 6.600 min Scan# 37

Delta R.T. 0.012 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Instrument :

BNA_F

ClientSampleId :

S8-0618

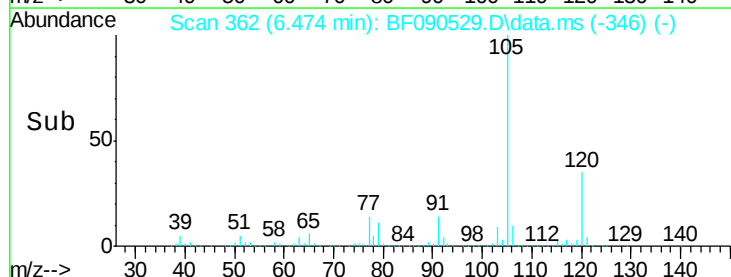
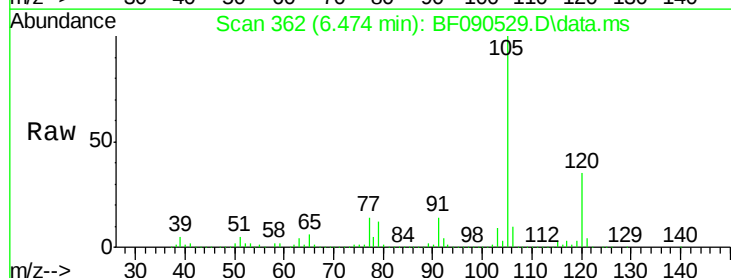
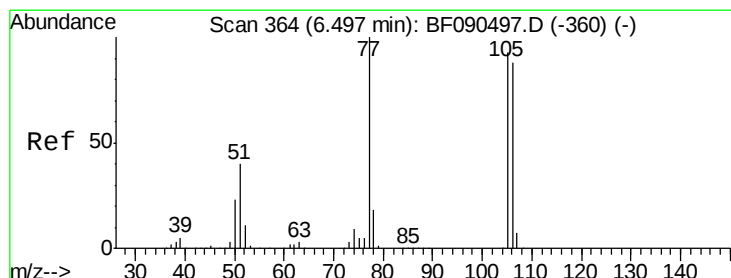
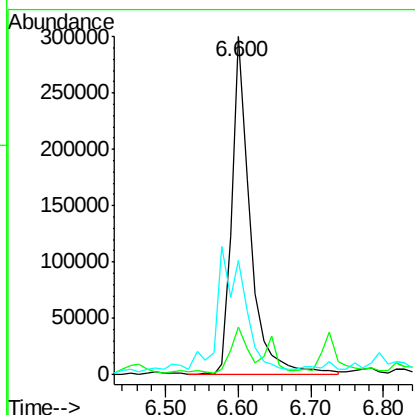
Tot Ion: 99 Resp: 525584

Ion Ratio Lower Upper

99 100

42 14.1 20.0 30.0#

71 33.6 27.9 41.9



#9

Benzaldehyde

Concen: 30.77 ng

RT: 6.474 min Scan# 362

Delta R.T. -0.023 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

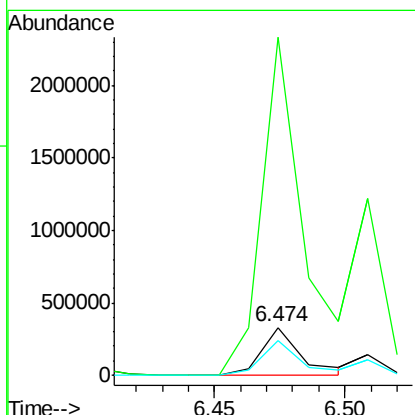
Tgt Ion: 77 Resp: 336531

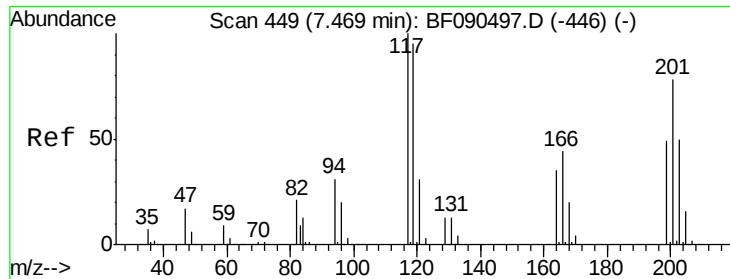
Ion Ratio Lower Upper

77 100

105 710.3 73.1 113.1#

106 71.8 70.2 110.2





#18

Hexachloroethane

Concen: 5.70 ng

RT: 7.435 min Scan# 44

Delta R.T. -0.034 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Instrument :

BNA_F

ClientSampleId :

S8-0618

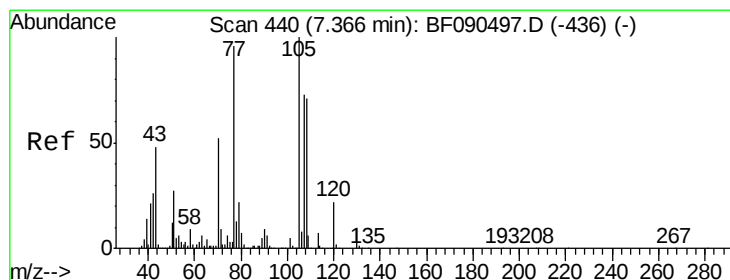
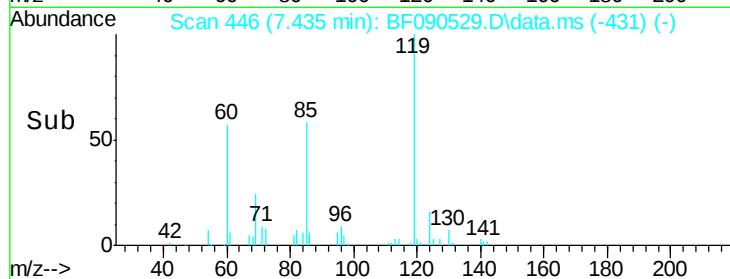
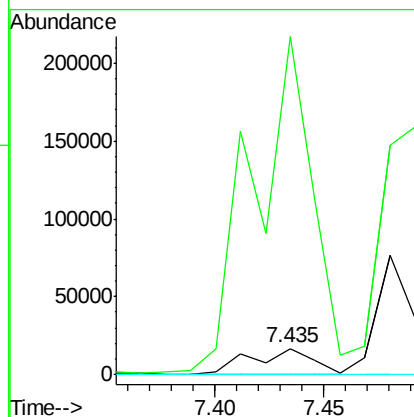
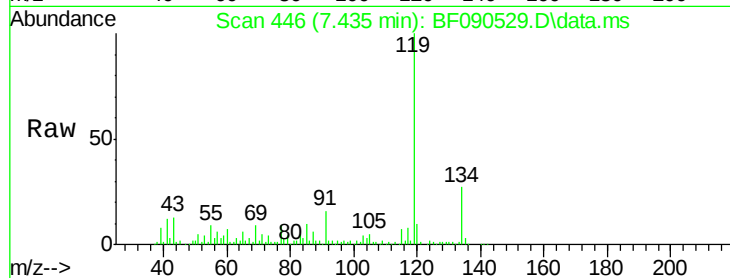
Tot Ion:117 Resp: 33897

Ion Ratio Lower Upper

117 100

119 1288.0 75.9 113.9#

201 0.0 66.5 99.7#



#20

3+4-Methylphenols

Concen: 2.28 ng

RT: 7.377 min Scan# 441

Delta R.T. 0.012 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Tgt Ion:107 Resp: 34365

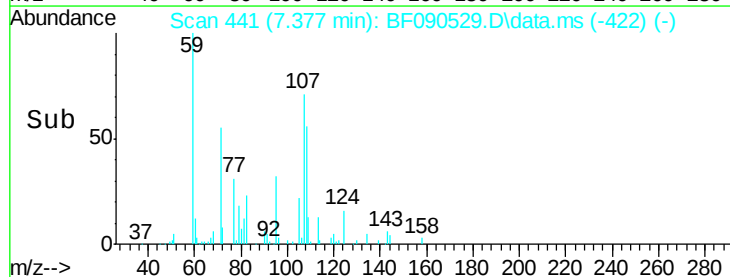
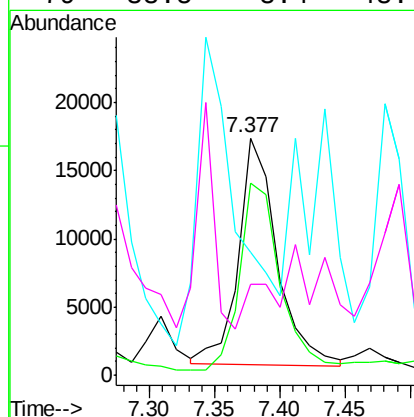
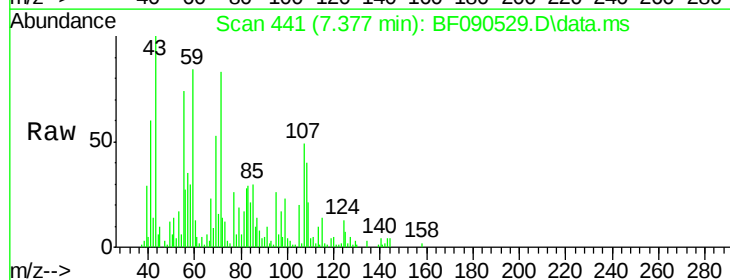
Ion Ratio Lower Upper

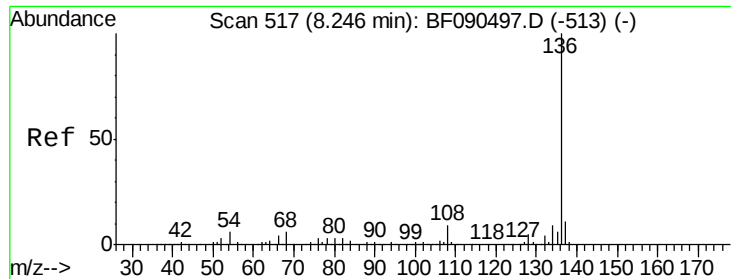
107 100

108 80.9 66.7 106.7

77 52.0 53.7 93.7#

79 38.5 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.235 min Scan# 51

Delta R.T. -0.011 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Instrument :

BNA_F

ClientSampleId :

S8-0618

Tot Ion:136 Resp: 880639

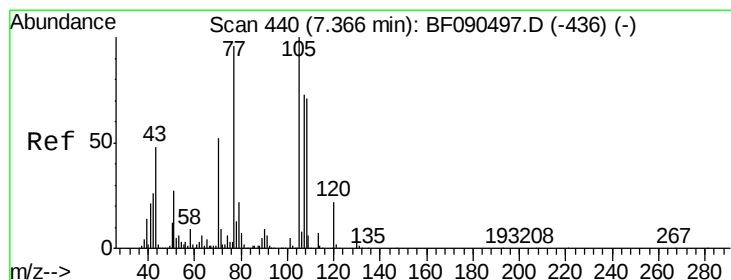
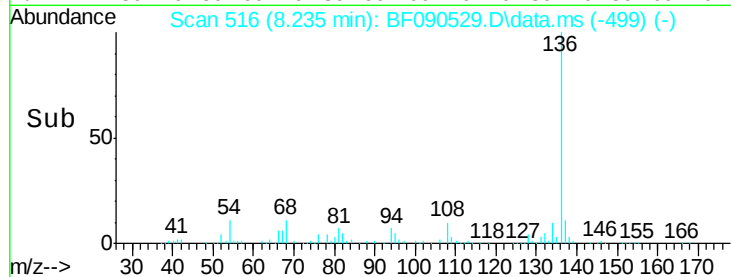
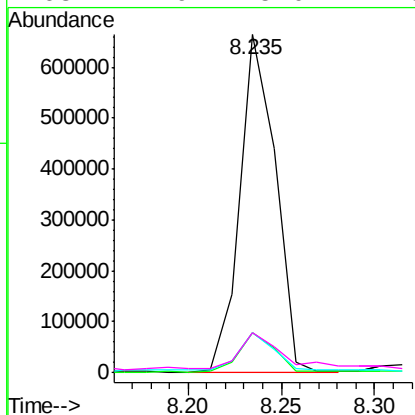
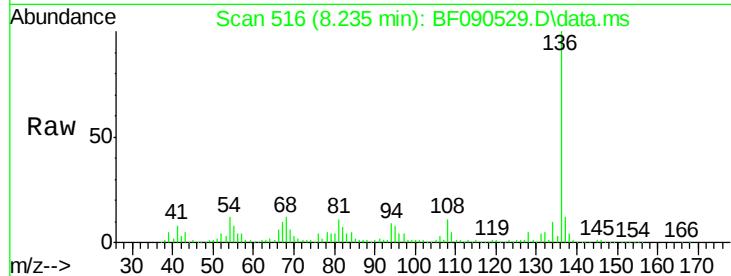
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 11.9 6.6 10.0#

68 11.9 5.0 7.6#



#22

Acetophenone

Concen: 11.01 ng

RT: 7.343 min Scan# 438

Delta R.T. -0.022 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Tgt Ion:105 Resp: 213425

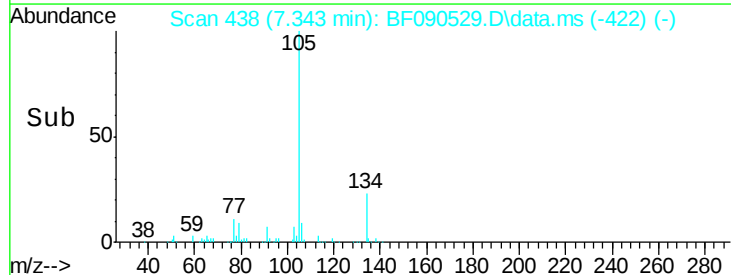
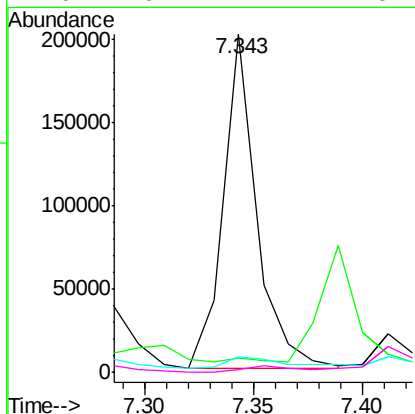
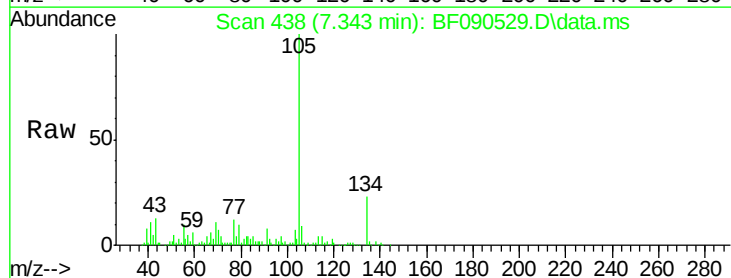
Ion Ratio Lower Upper

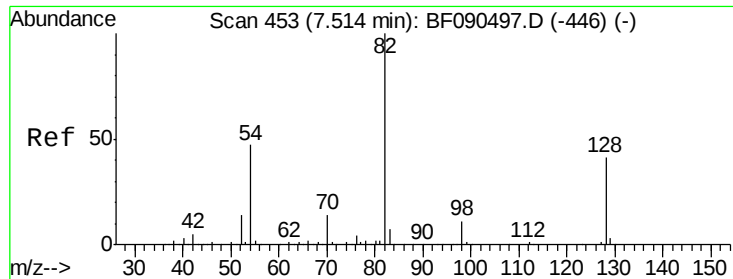
105 100

71 4.1 3.8 5.6

51 4.5 28.2 42.4#

120 0.7 17.4 26.2#

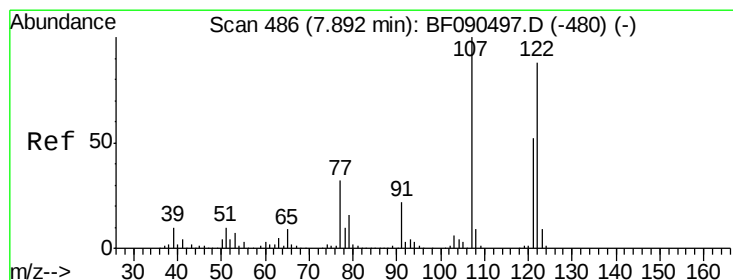
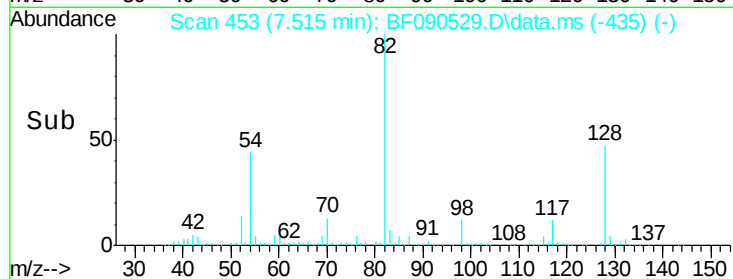
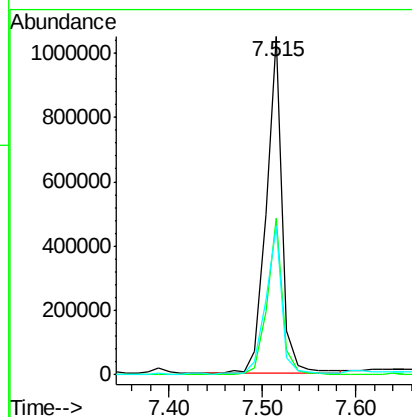
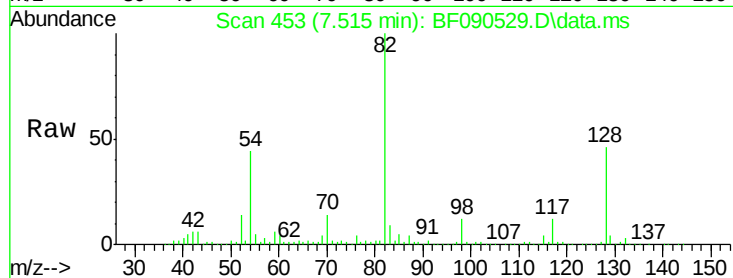




#23
Nitrobenzene-d5
Concen: 77.35 ng
RT: 7.515 min Scan# 45
Delta R.T. 0.000 min
Lab File: BF090529.D
Acq: 12 Oct 2016 12:21

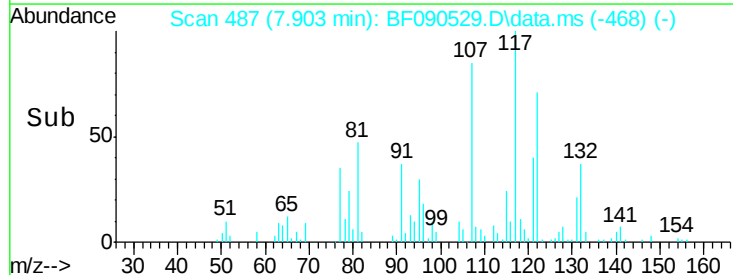
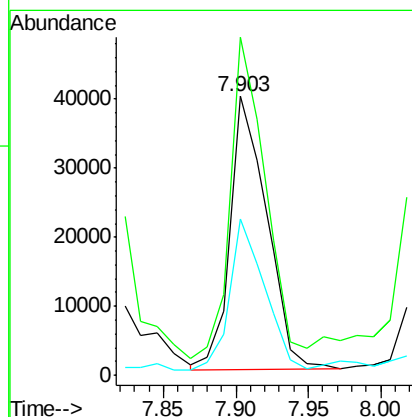
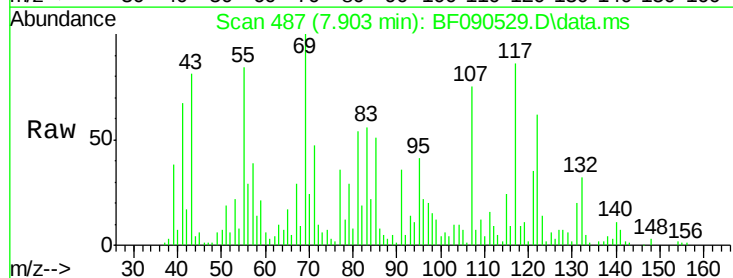
Instrument :
BNA_F
ClientSampleId :
S8-0618

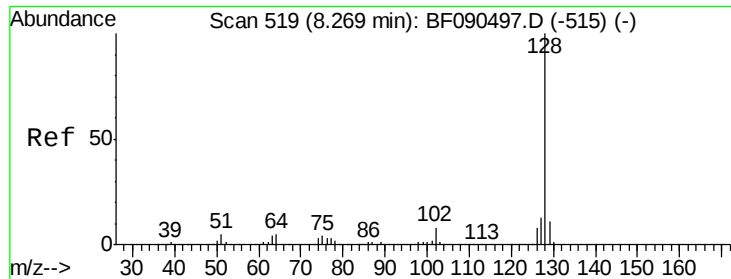
Tot Ion: 82 Resp: 1255963
Ion Ratio Lower Upper
82 100
128 46.4 40.0 60.0
54 44.0 42.6 64.0



#27
2,4-Dimethylphenol
Concen: 5.16 ng
RT: 7.903 min Scan# 487
Delta R.T. 0.012 min
Lab File: BF090529.D
Acq: 12 Oct 2016 12:21

Tgt Ion:122 Resp: 69720
Ion Ratio Lower Upper
122 100
107 121.2 88.6 132.8
121 56.0 47.5 71.3





#31

Naphthalene

Concen: 63.61 ng

RT: 8.258 min Scan# 51

Delta R.T. -0.011 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Instrument :

BNA_F

ClientSampleId :

S8-0618

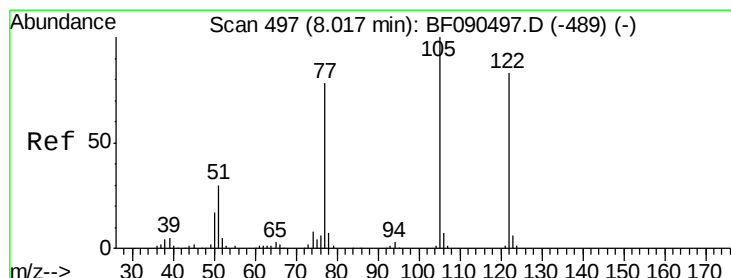
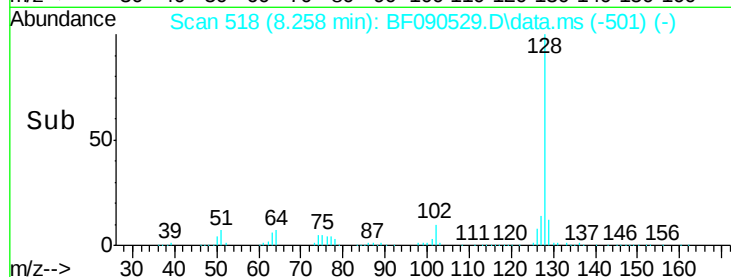
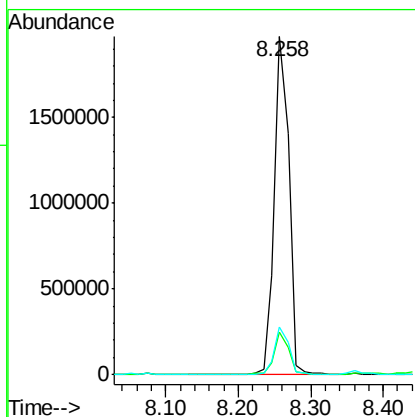
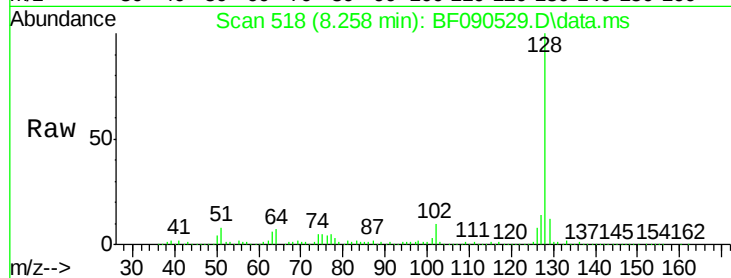
Tot Ion:128 Resp: 2790733

Ion Ratio Lower Upper

128 100

129 12.4 9.7 14.5

127 14.1 11.7 17.5



#32

Benzoic acid

Concen: 5.90 ng

RT: 8.040 min Scan# 499

Delta R.T. 0.023 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

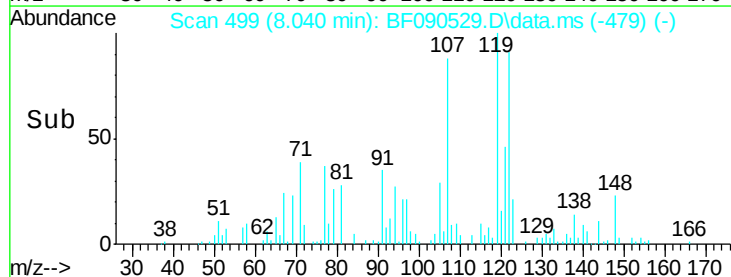
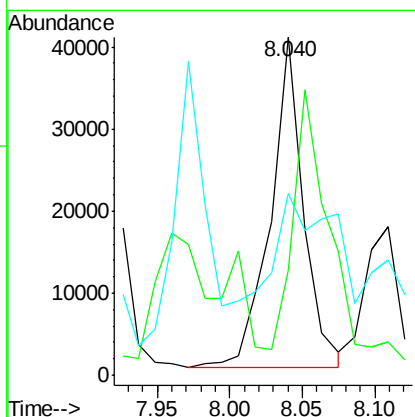
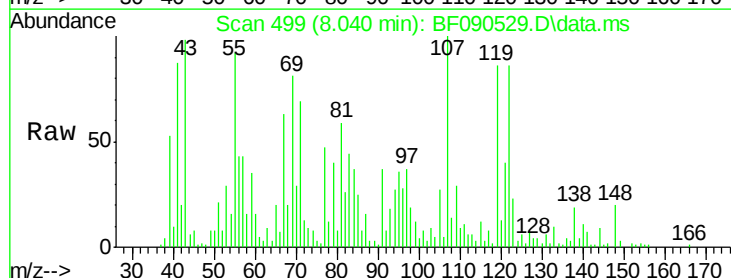
Tgt Ion:122 Resp: 62852

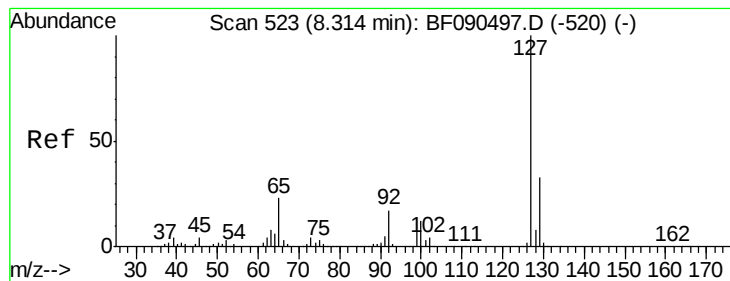
Ion Ratio Lower Upper

122 100

105 31.1 103.9 143.9#

77 54.0 74.6 114.6#





#33

4-Chloroaniline

Concen: 20.90 ng

RT: 8.258 min Scan# 51

Delta R.T. -0.057 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

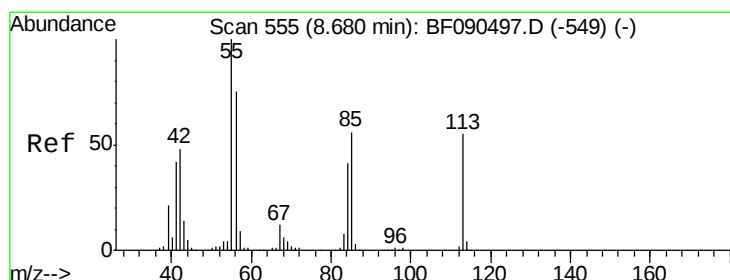
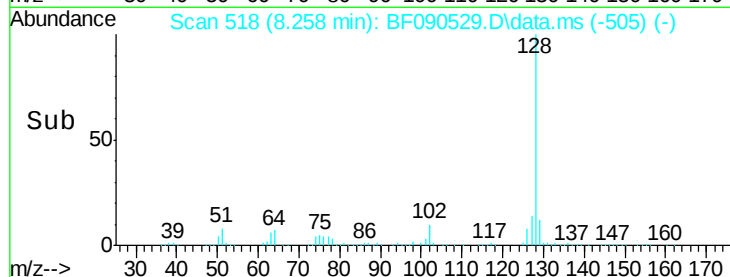
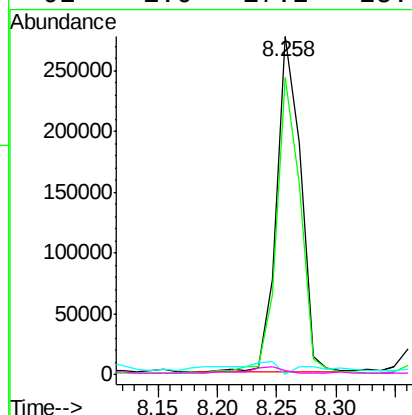
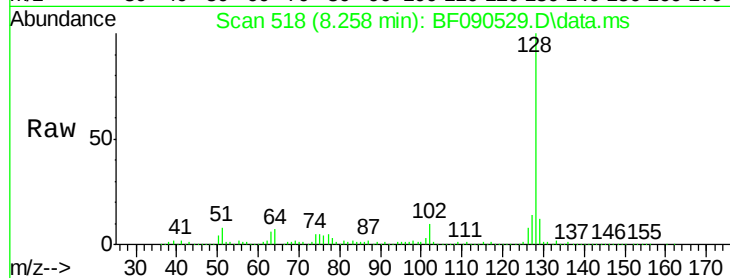
Instrument :

BNA_F

ClientSampleId :

S8-0618

Tot Ion:127	Resp:	388121
Ion Ratio	Lower	Upper
127	100	
129	87.8	26.2 39.4#
65	0.0	32.5 48.7#
92	1.0	17.2 25.8#



#35

Caprolactam

Concen: 15.56 ng

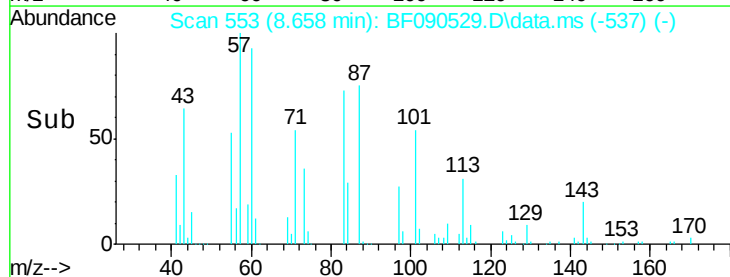
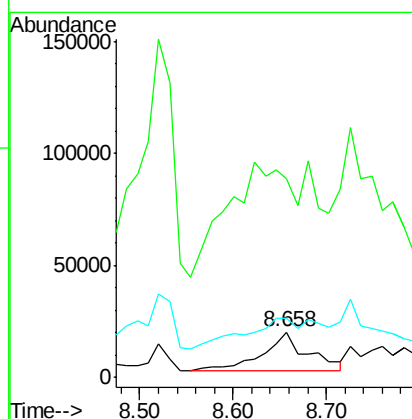
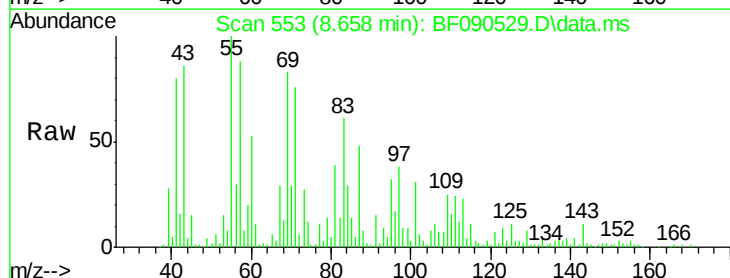
RT: 8.658 min Scan# 553

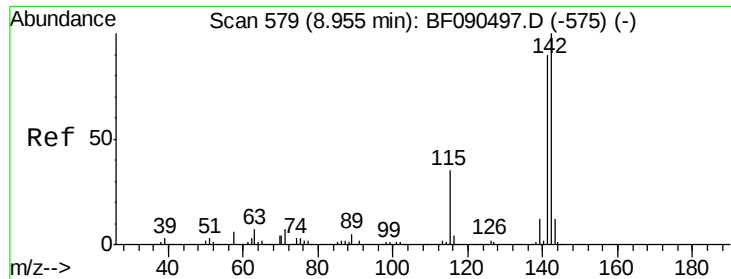
Delta R.T. -0.023 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Tgt Ion:113	Resp:	56976
Ion Ratio	Lower	Upper
113	100	
55	435.8	203.3 243.3#
56	130.9	140.5 180.5#

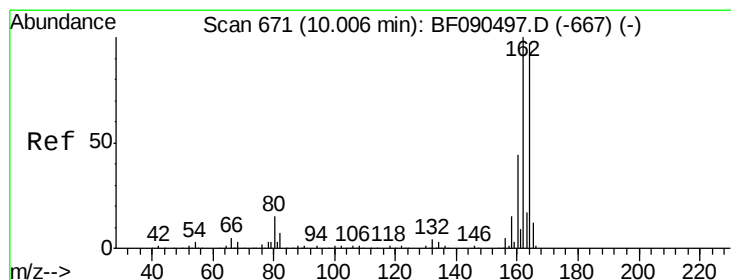
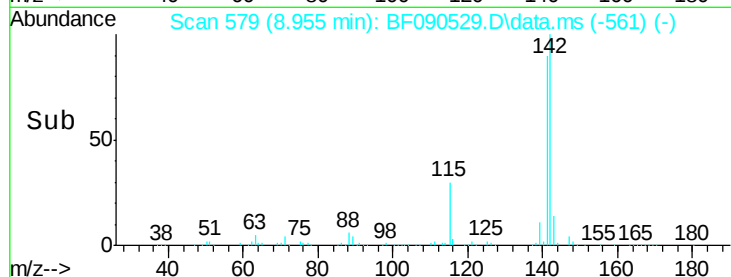
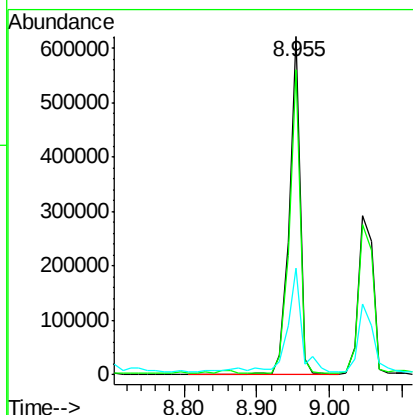
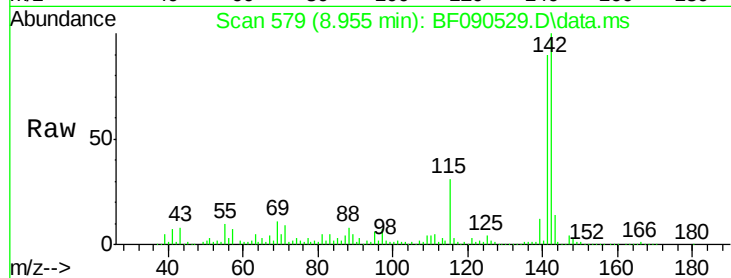




#37
2-Methylnaphthalene
Concen: 21.79 ng
RT: 8.955 min Scan# 57
Delta R.T. 0.001 min
Lab File: BF090529.D
Acq: 12 Oct 2016 12:21

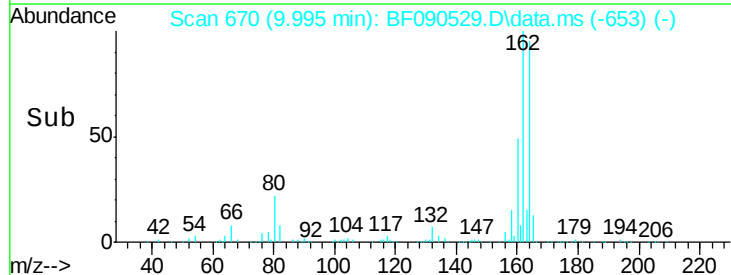
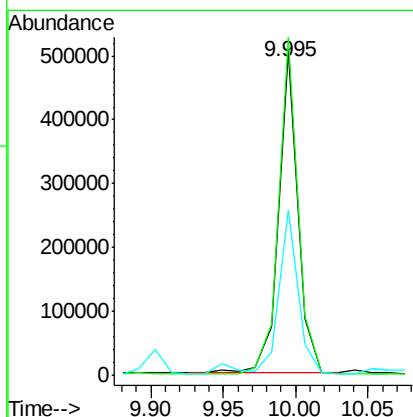
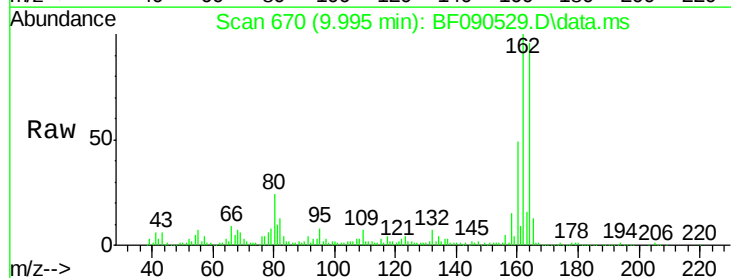
Instrument :
BNA_F
ClientSampleId :
S8-0618

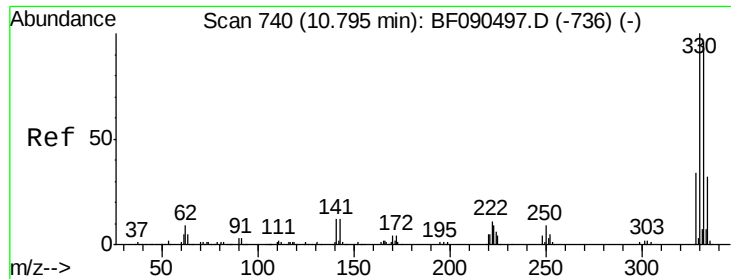
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.8	107.8
115	31.4	28.8	43.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.995 min Scan# 670
Delta R.T. -0.011 min
Lab File: BF090529.D
Acq: 12 Oct 2016 12:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	80.1	120.1
160	51.2	36.3	54.5

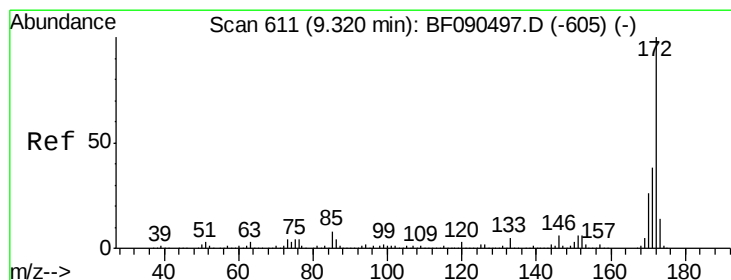
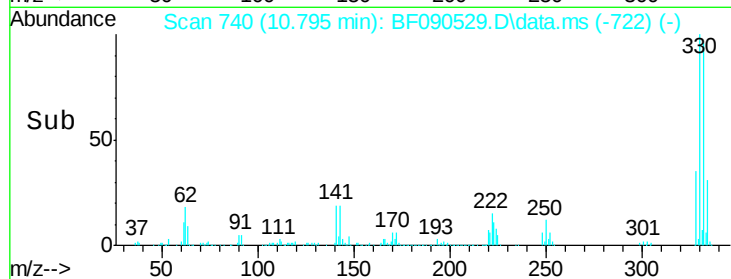
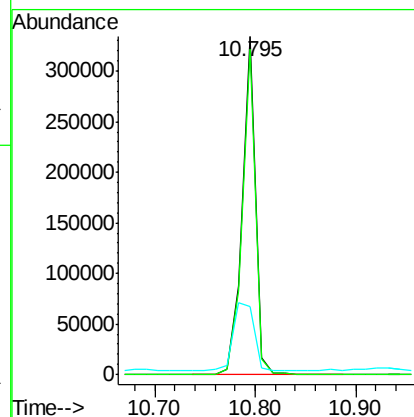
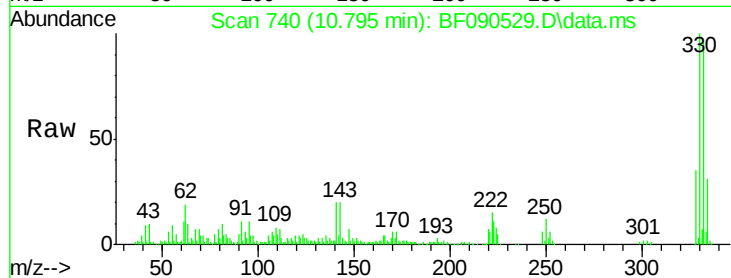




#41
 2,4,6-Tribromophenol
 Concen: 66.27 ng
 RT: 10.795 min Scan# 740
 Delta R.T. 0.000 min
 Lab File: BF090529.D
 Acq: 12 Oct 2016 12:21

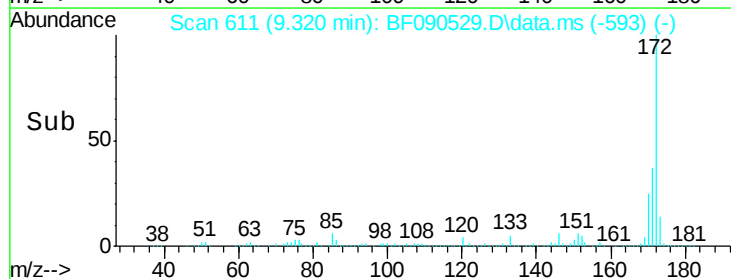
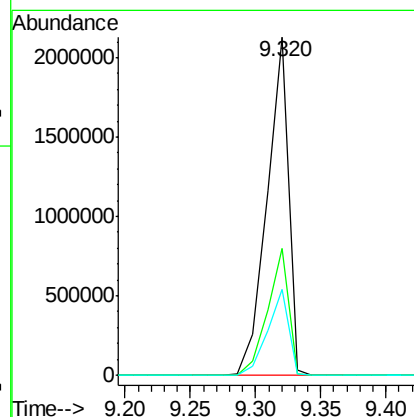
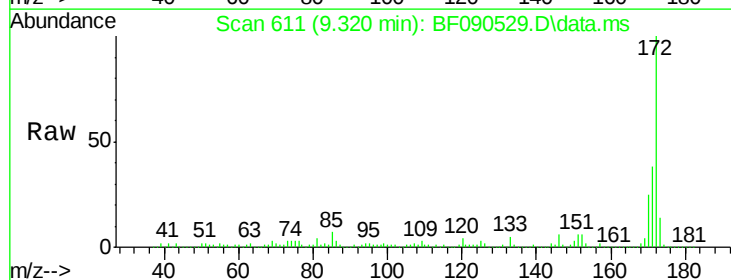
Instrument :
 BNA_F
 ClientSampleId :
 S8-0618

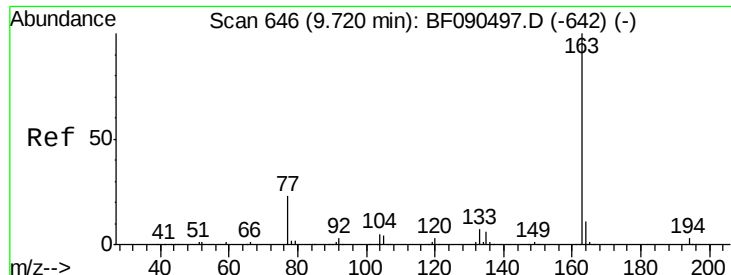
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.4	113.0
141	31.6	26.9	40.3



#44
 2-Fluorobiphenyl
 Concen: 88.80 ng
 RT: 9.320 min Scan# 611
 Delta R.T. 0.000 min
 Lab File: BF090529.D
 Acq: 12 Oct 2016 12:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.8	47.8
170	25.4	21.7	32.5

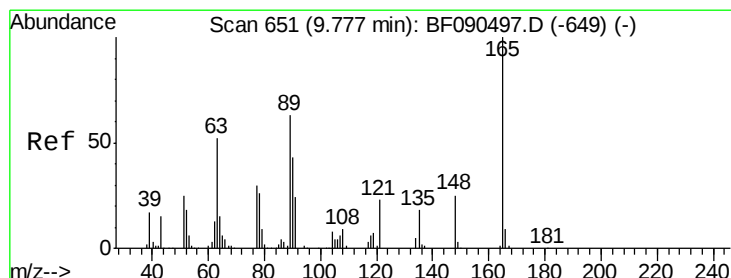
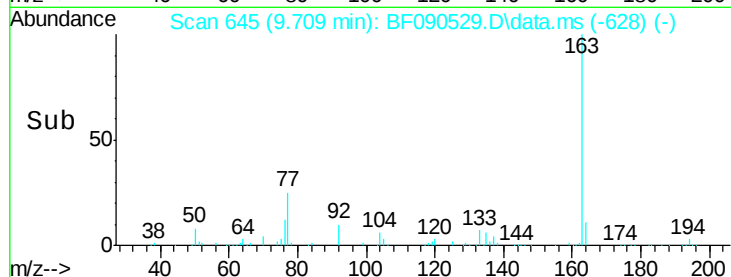
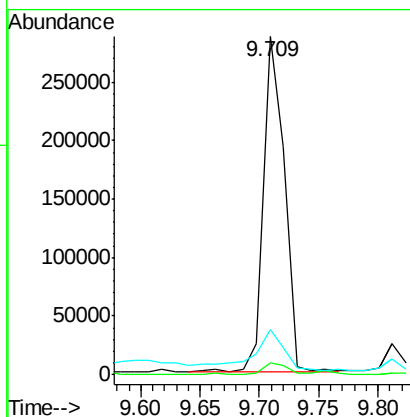
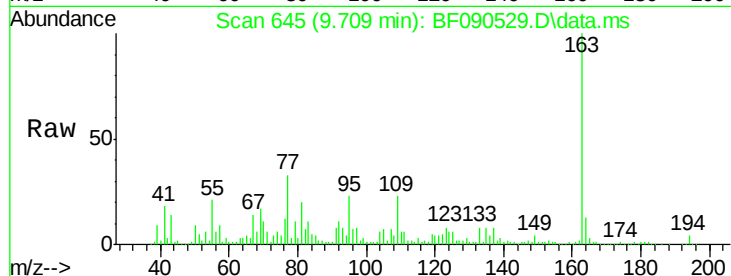




#49
Dimethylphthalate
Concen: 11.36 ng
RT: 9.709 min Scan# 64
Delta R.T. -0.011 min
Lab File: BF090529.D
Acq: 12 Oct 2016 12:21

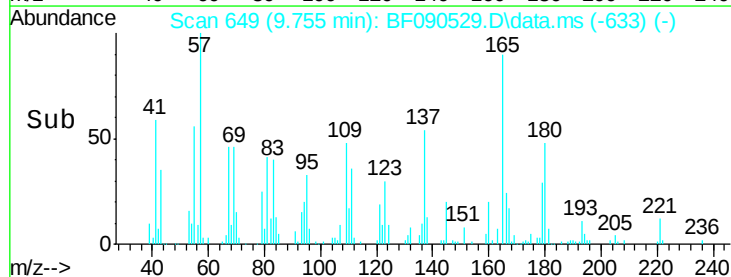
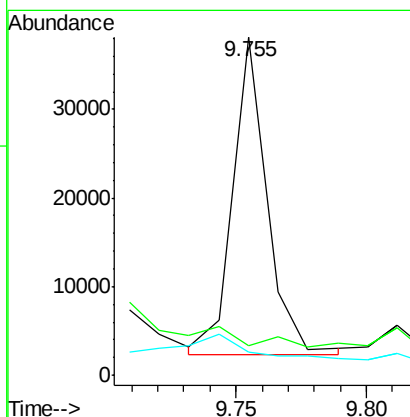
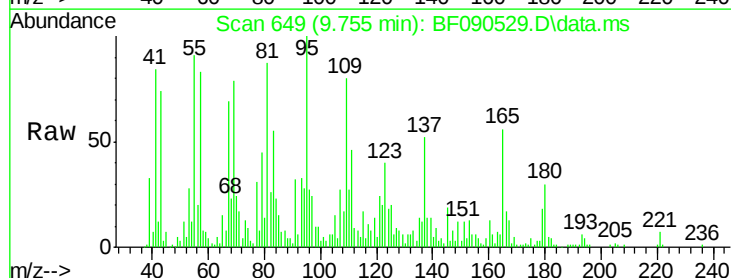
Instrument :
BNA_F
ClientSampleId :
S8-0618

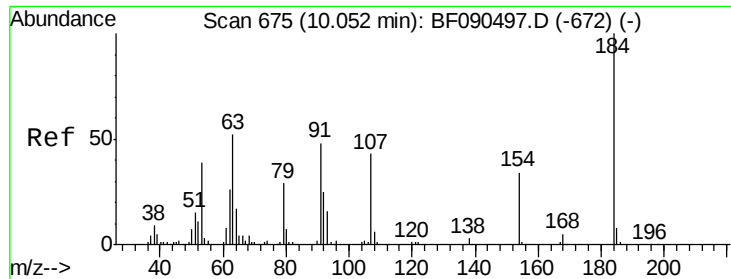
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	13.3	9.0	13.4



#50
2,6-Dinitrotoluene
Concen: 4.76 ng
RT: 9.755 min Scan# 649
Delta R.T. -0.023 min
Lab File: BF090529.D
Acq: 12 Oct 2016 12:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	8.8	58.0	87.0#
89	6.9	51.2	76.8#





#53

2,4-Dinitrophenol

Concen: 10.80 ng

RT: 10.143 min Scan# 68

Delta R.T. 0.092 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Instrument :

BNA_F

ClientSampleId :

S8-0618

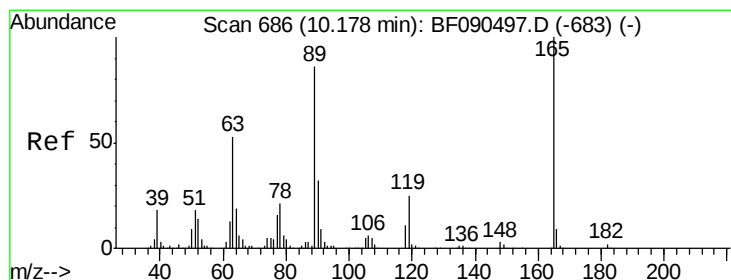
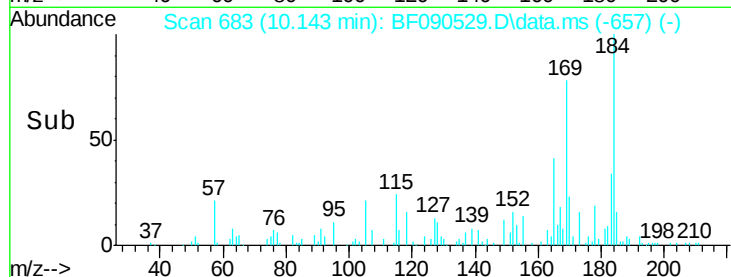
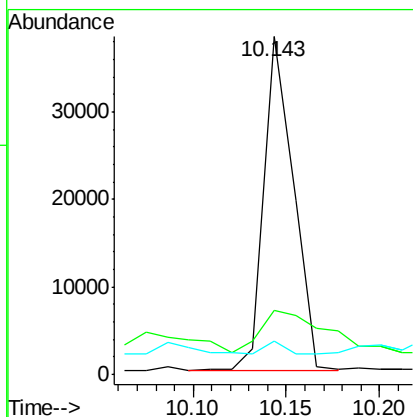
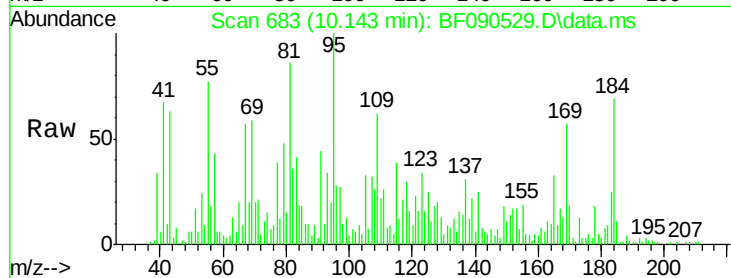
Tot Ion:184 Resp: 41608

Ion Ratio Lower Upper

184 100

63 19.1 41.9 62.9#

154 9.8 48.9 73.3#



#56

2,4-Dinitrotoluene

Concen: 3.16 ng

RT: 10.143 min Scan# 683

Delta R.T. -0.034 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Tgt Ion:165 Resp: 29012

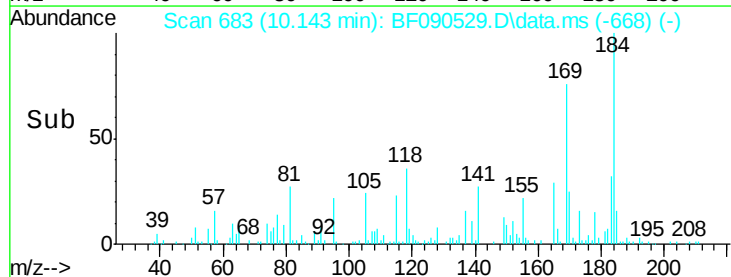
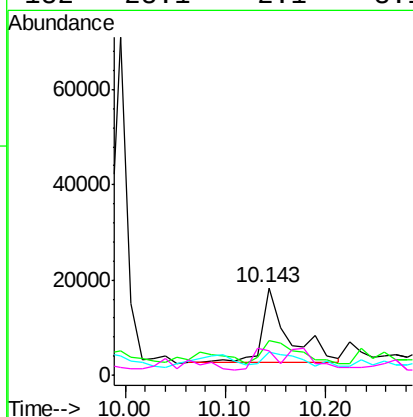
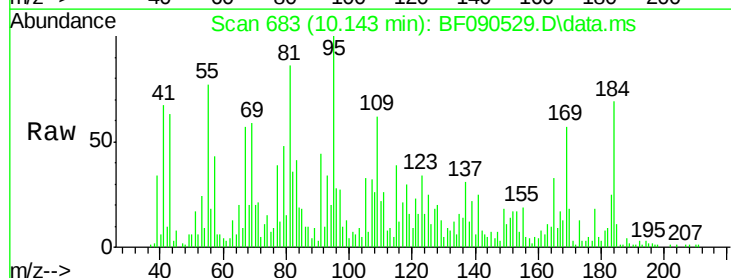
Ion Ratio Lower Upper

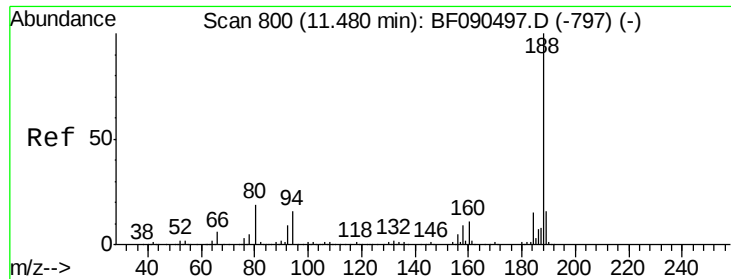
165 100

63 40.3 17.8 26.6#

89 26.9 33.2 49.8#

182 28.1 2.1 3.1#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.481 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Instrument :

BNA_F

ClientSampleId :

S8-0618

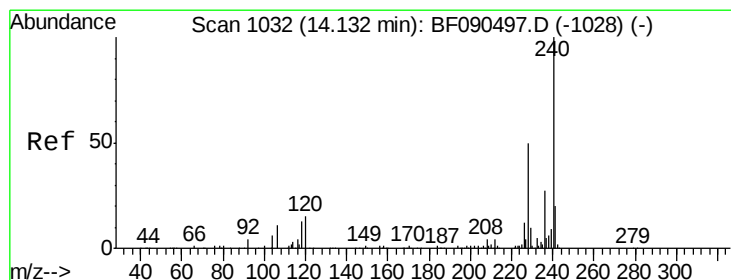
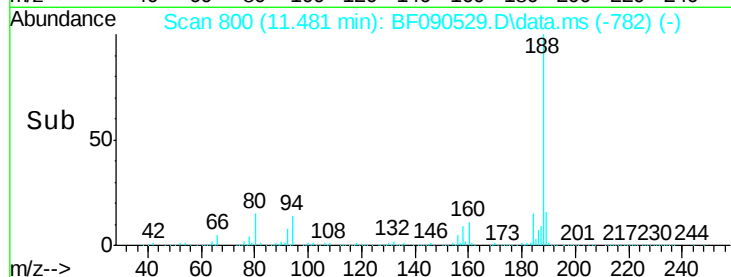
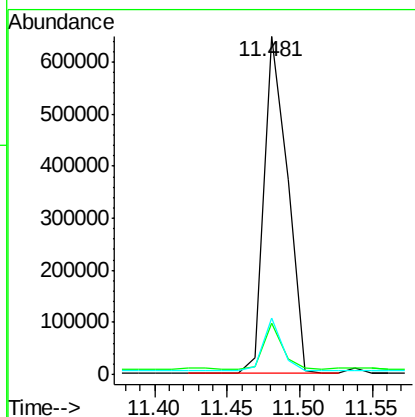
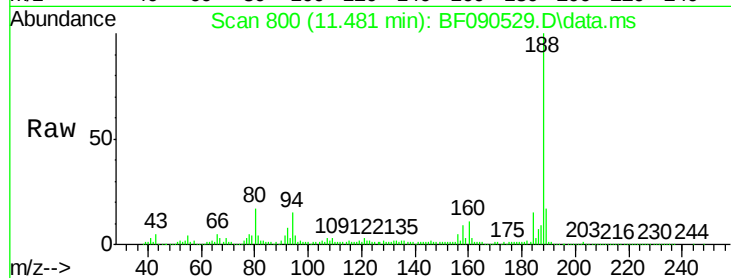
Tot Ion:188 Resp: 728463

Ion Ratio Lower Upper

188 100

94 15.2 8.2 12.2#

80 16.5 8.8 13.2#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.132 min Scan# 1032

Delta R.T. 0.000 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

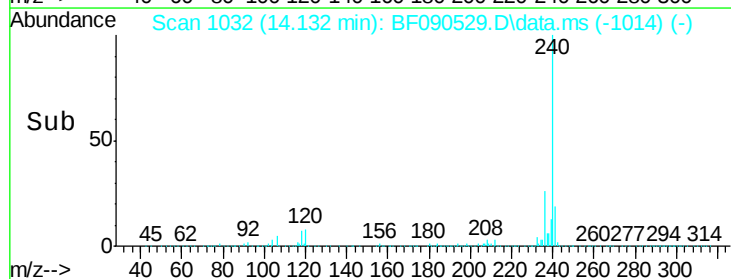
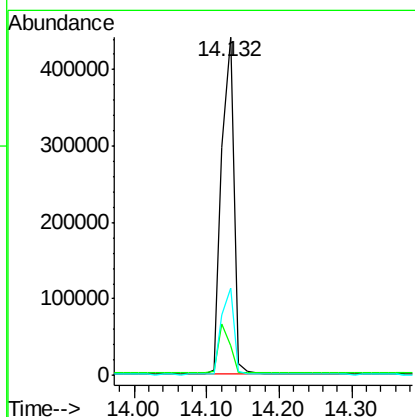
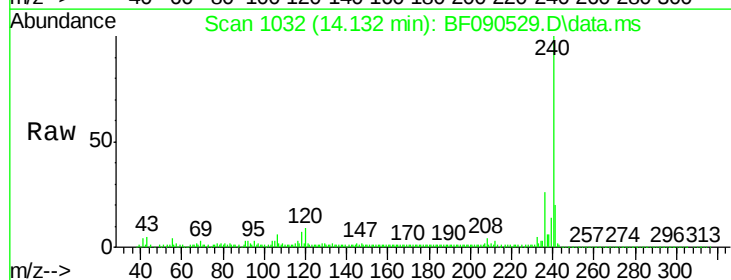
Tgt Ion:240 Resp: 527799

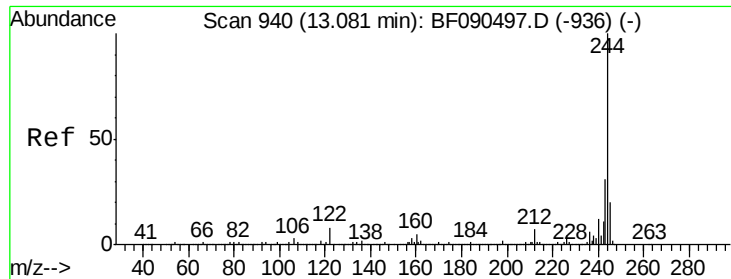
Ion Ratio Lower Upper

240 100

120 8.6 8.6 13.0#

236 25.9 21.6 32.4





#78

Terphenyl-d14

Concen: 92.10 ng

RT: 13.069 min Scan# 93

Delta R.T. -0.011 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Instrument :

BNA_F

ClientSampleID :

S8-0618

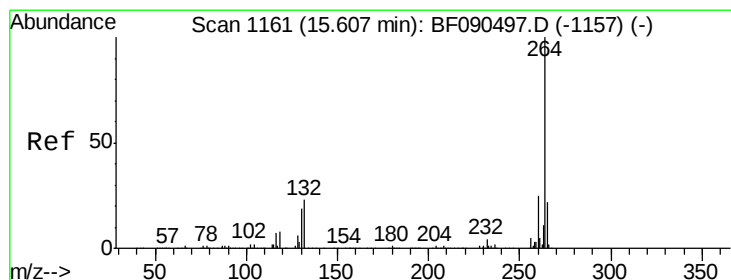
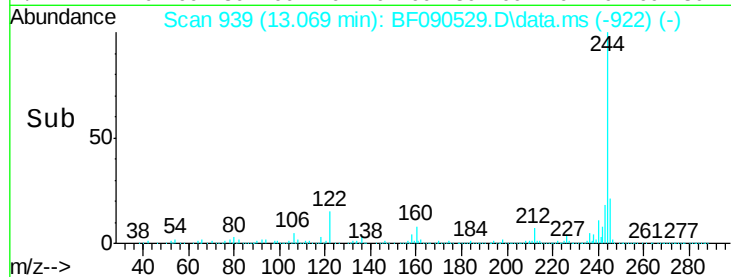
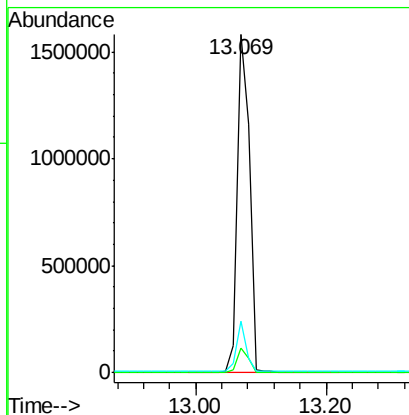
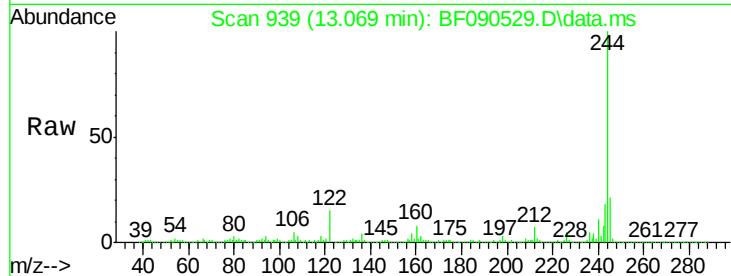
Tot Ion:244 Resp: 1989025

Ion Ratio Lower Upper

244 100

212 7.4 6.8 10.2

122 15.4 13.3 19.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.607 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF090529.D

Acq: 12 Oct 2016 12:21

Tgt Ion:264 Resp: 399630

Ion Ratio Lower Upper

264 100

260 24.6 19.3 28.9

265 21.9 17.4 26.0

