

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
 Data File : BF090454.D
 Acq On : 7 Oct 2016 20:08
 Operator : UM/SJ
 Sample : H5140-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-5

Manual Integrations
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Quant Time: Oct 10 02:12:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	242559	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	712288	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	393535	20.00	ng	0.02
63) Phenanthrene-d10	11.56	188	634801	20.00	ng	0.01
75) Chrysene-d12	14.18	240	465207	20.00	ng	-0.02
86) Perylene-d12	15.68	264	404429	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1820178	112.00	ng	0.00
7) Phenol-d6	6.63	99	2747353	129.07	ng	0.01
23) Nitrobenzene-d5	7.56	82	1433566	97.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.86	330	506162	158.18	ng	0.01
44) 2-Fluorobiphenyl	9.38	172	1876629	79.45	ng	0.00
78) Terphenyl-d14	13.14	244	2254971	108.97	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.65	94	50851	2.05	ng	93
31) Naphthalene	8.33	128	3733318	108.64	ng	96
37) 2-Methylnaphthalene	9.03	142	4674818	224.74	ng	98
45) 1,1'-Biphenyl	9.48	154	924810	31.71	ng	97
49) Dimethylphthalate	9.78	163	469666	18.64	ng	# 98
57) Fluorene	10.62	166	740766	30.72	ng	# 90
70) Phenanthrene	11.58	178	2227286	68.52	ng	# 94
74) Fluoranthene	12.77	202	305980	9.60	ng	89
77) Pyrene	12.99	202	465409	15.00	ng	# 91
80) Benzo(a)anthracene	14.17	228	135019	5.17	ng	# 94
82) Chrysene	14.20	228	89614m	3.73	ng	
85) Indeno(1,2,3-cd)pyrene	17.17	276	37334	2.18	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	112757m	4.38	ng	
89) Benzo(a)pyrene	15.61	252	69394	3.13	ng	# 94

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

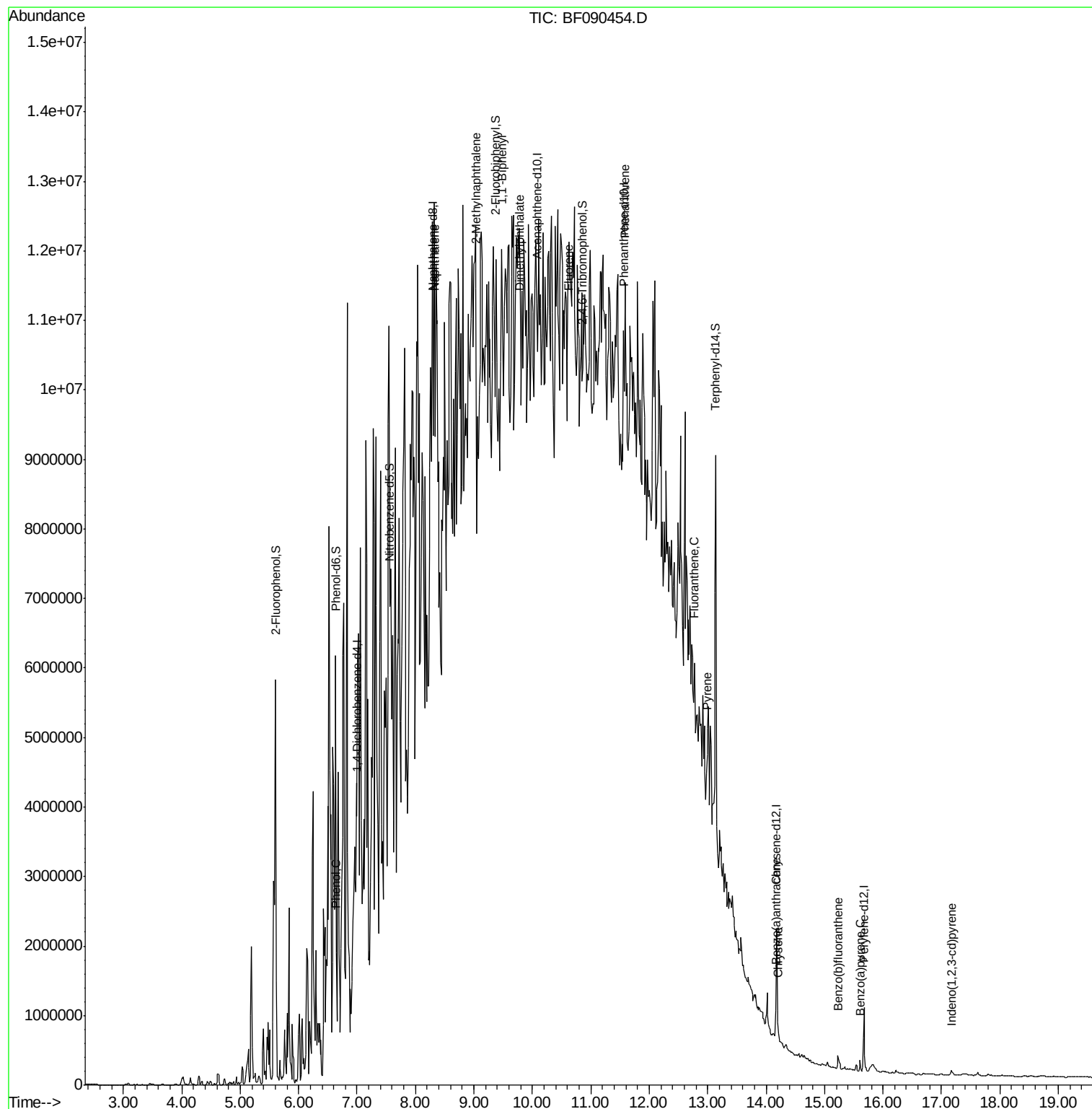
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090454.D
Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

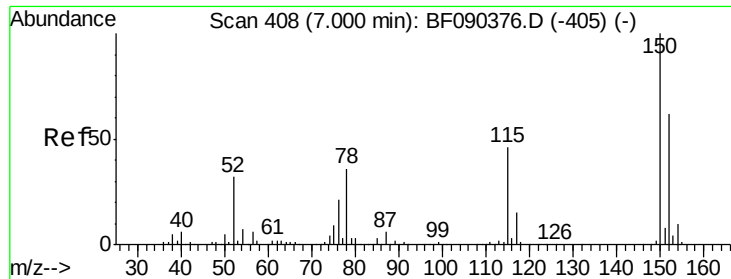
Instrument :
BNA_F
ClientSampled :
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Quant Time: Oct 10 02:12:02 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

Instrument :

BNA_F

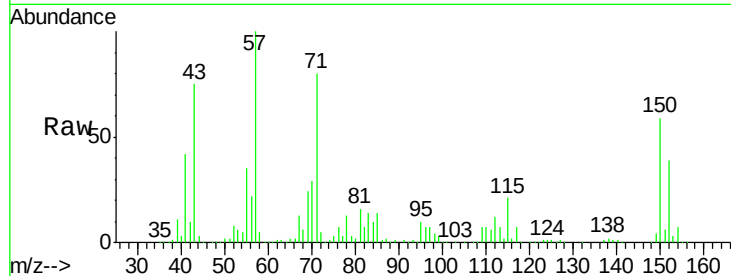
ClientSampled :

T-5

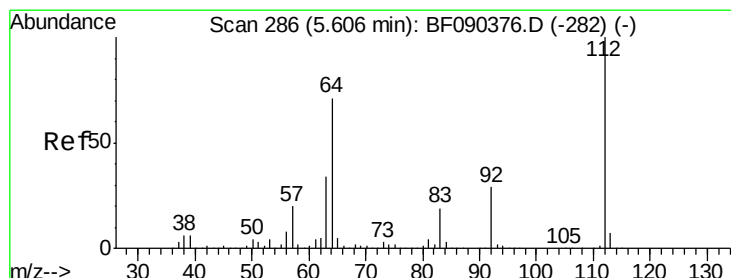
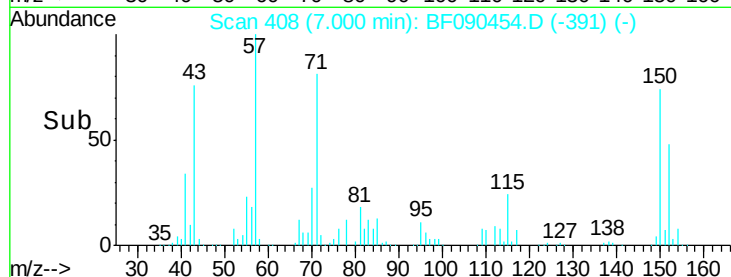
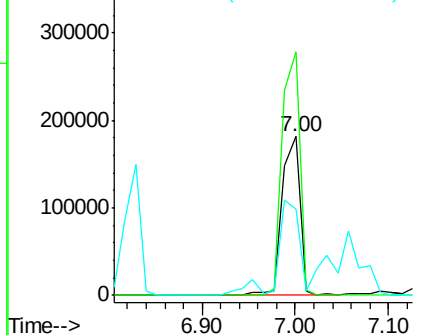
Tgt Ion:	152	Resp:	242559
Ion Ratio	Lower	Upper	
152	100		
150	153.1	124.6	186.8
115	54.4	46.2	69.4

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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: 112.00 ng

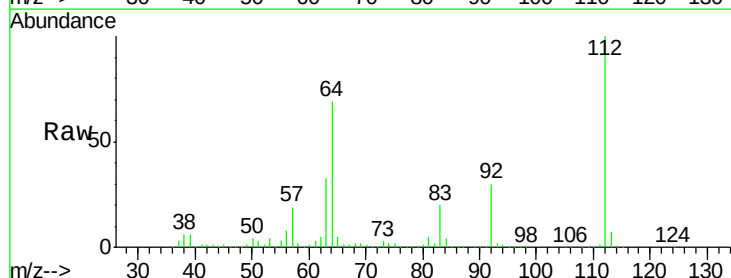
RT: 5.61 min Scan# 286

Delta R.T. 0.00 min

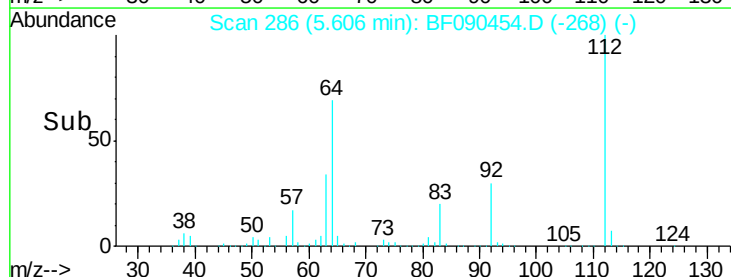
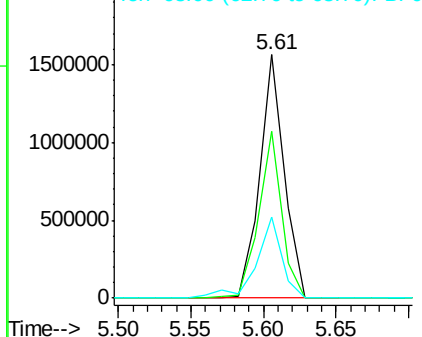
Lab File: BF090454.D

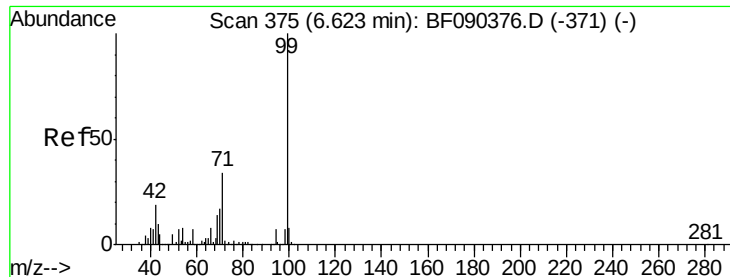
Acq: 7 Oct 2016 20:08

Tgt Ion:	112	Resp:	1820178
Ion Ratio	Lower	Upper	
112	100		
64	68.7	57.9	86.9
63	33.5	29.6	44.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 129.07 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

Instrument :

BNA_F

ClientSampled :

T-5

Tgt Ion: 99 Resp: 2747353

Ion Ratio Lower Upper

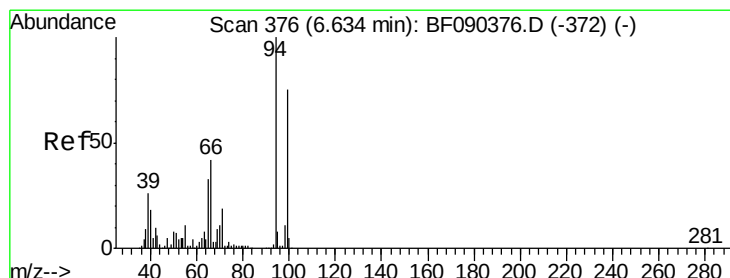
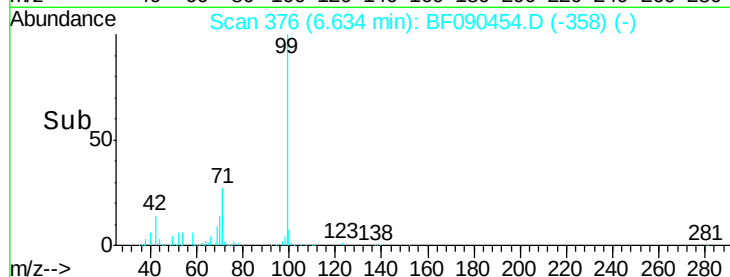
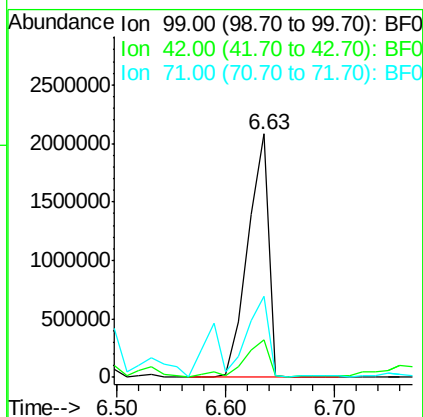
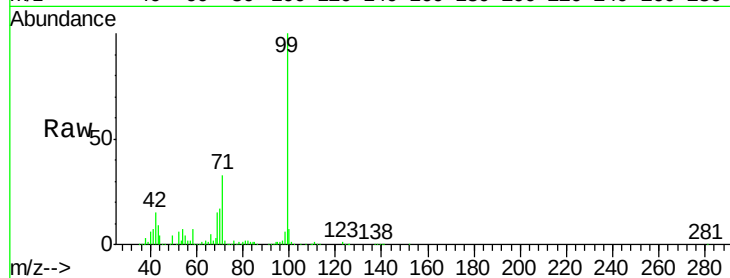
99 100

42 15.5 20.0 30.0#

71 33.3 27.9 41.9

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#10

Phenol

Concen: 2.05 ng

RT: 6.65 min Scan# 377

Delta R.T. 0.01 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

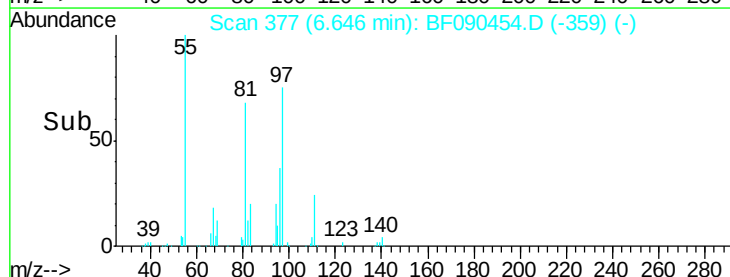
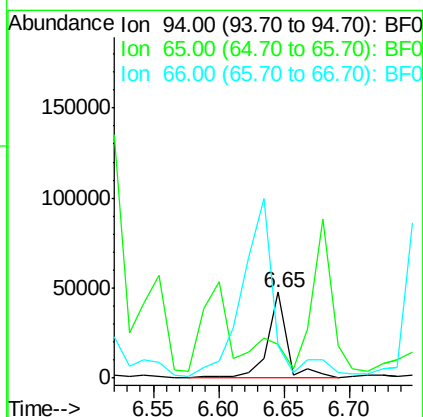
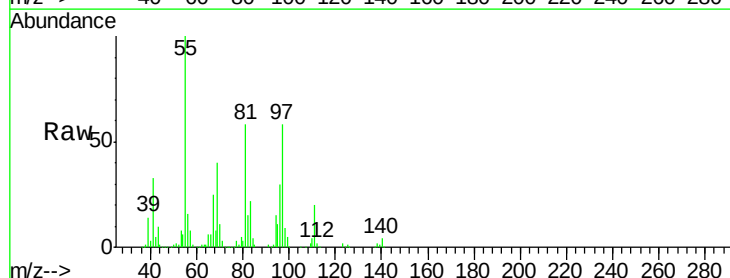
Tgt Ion: 94 Resp: 50851

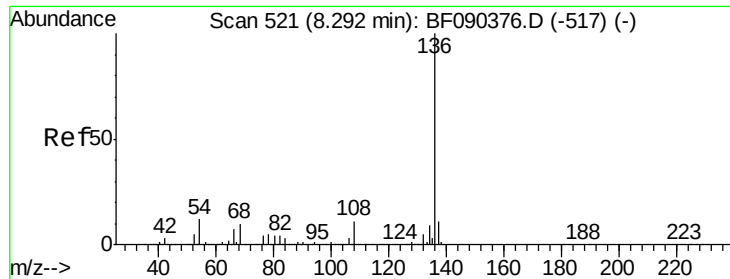
Ion Ratio Lower Upper

94 100

65 39.6 13.3 53.3

66 38.0 20.4 60.4





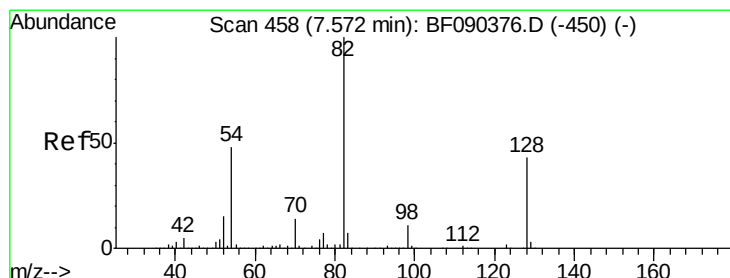
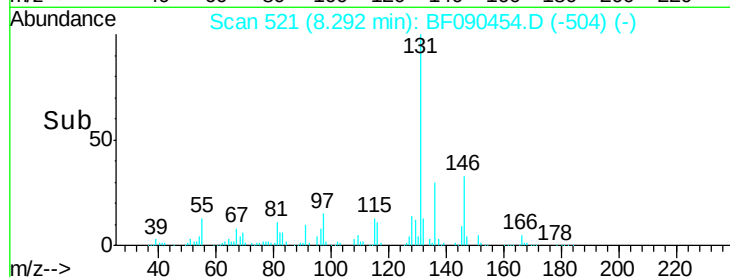
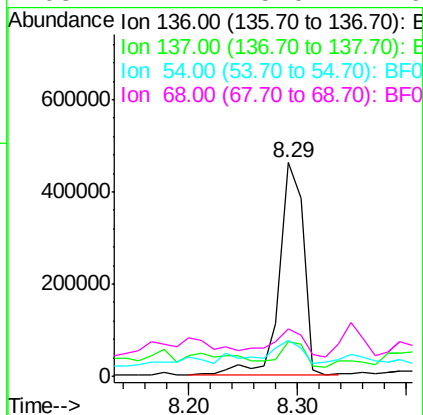
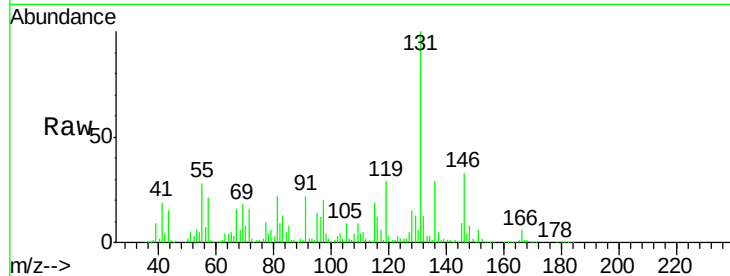
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.29 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Instrument :
BNA_F
ClientSampleId :
T-5

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	712288		
137	16.4	9.0	13.6#	
54	17.0	6.6	10.0#	
68	22.1	5.0	7.6#	

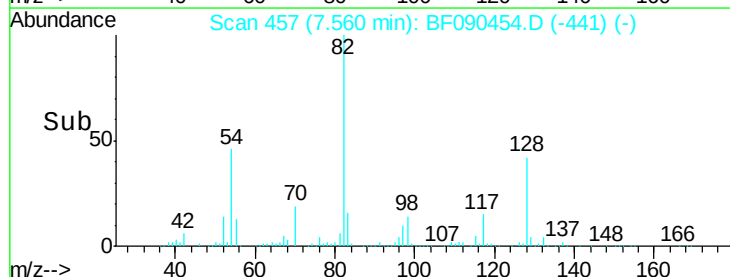
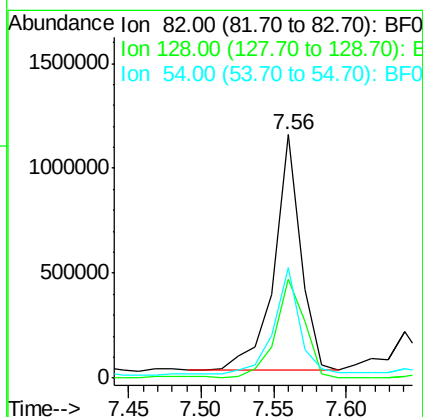
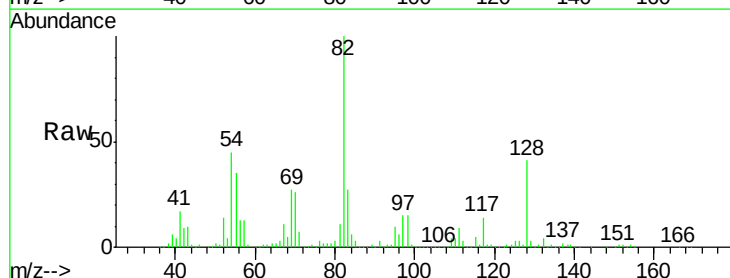
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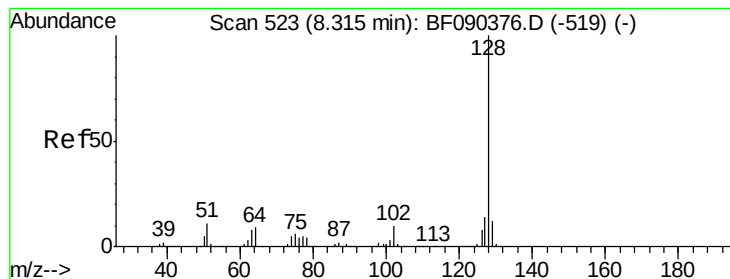
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#23
Nitrobenzene-d5
Concen: 97.90 ng
RT: 7.56 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1433566		
128	40.9	40.0	60.0	
54	45.4	42.6	64.0	





#31

Naphthalene

Concen: 108.64 ng

RT: 8.33 min Scan# 524

Delta R.T. 0.01 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

Instrument :

BNA_F

ClientSampled :

T-5

Tgt Ion:128 Resp: 3733318

Ion Ratio Lower Upper

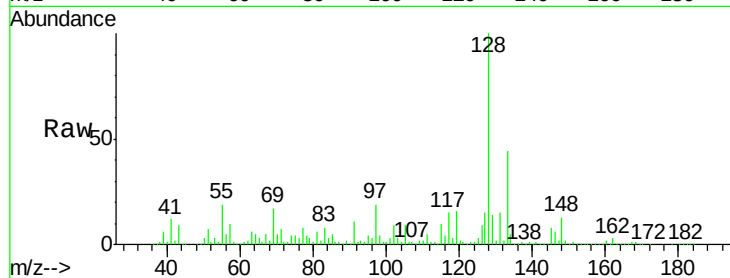
128 100

129 14.5 9.7 14.5

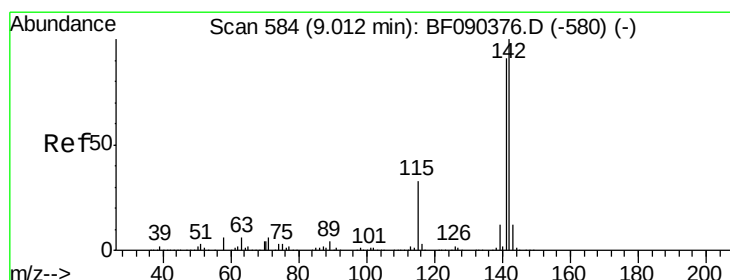
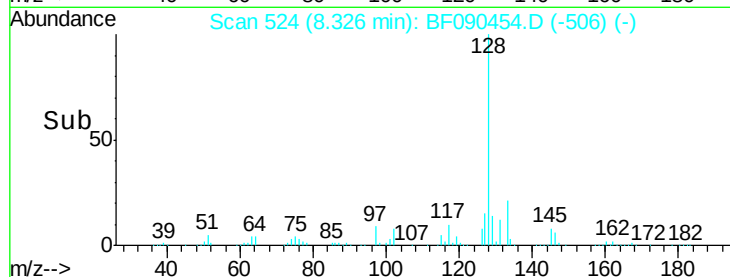
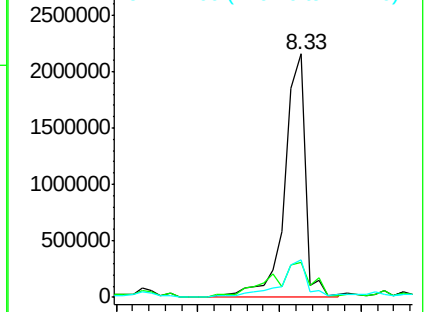
127 15.4 11.7 17.5

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 224.74 ng

RT: 9.03 min Scan# 586

Delta R.T. 0.02 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

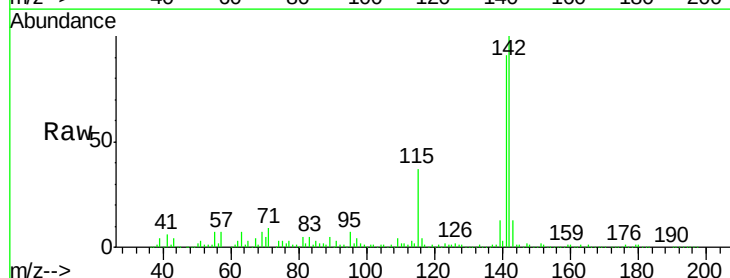
Tgt Ion:142 Resp: 4674818

Ion Ratio Lower Upper

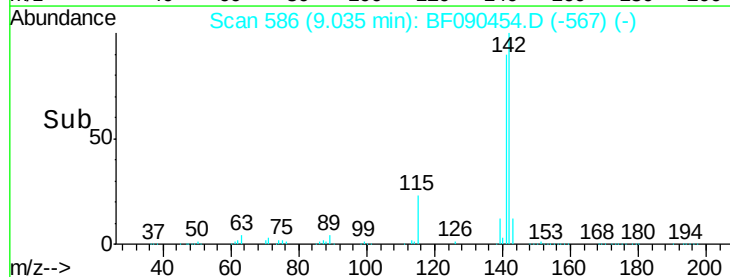
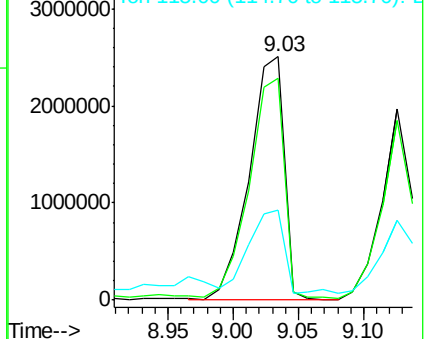
142 100

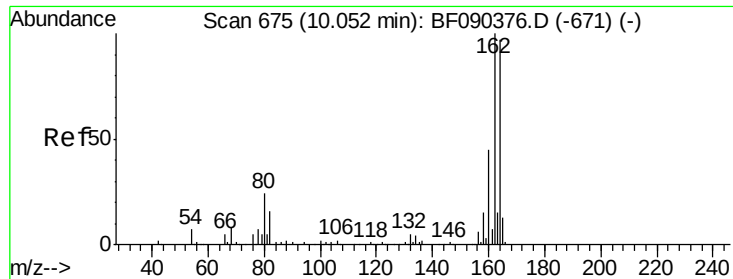
141 91.2 71.8 107.8

115 37.1 28.8 43.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





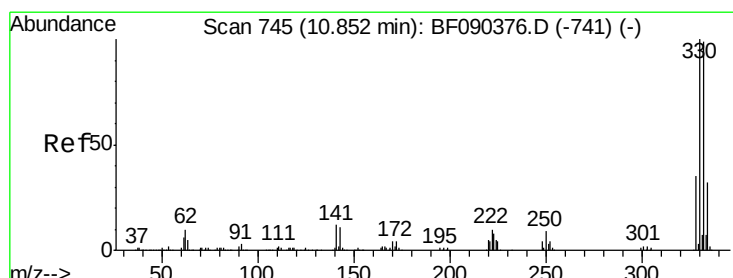
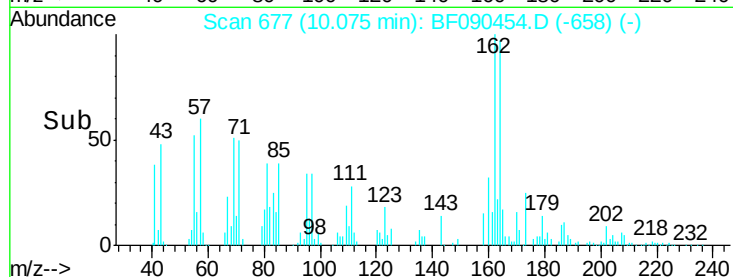
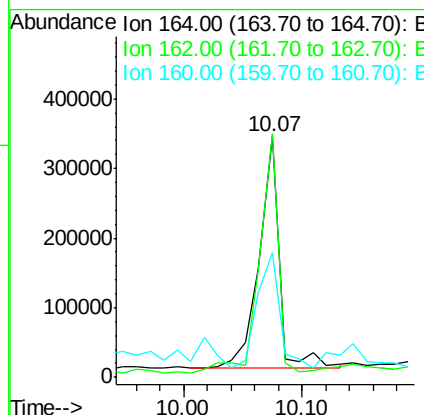
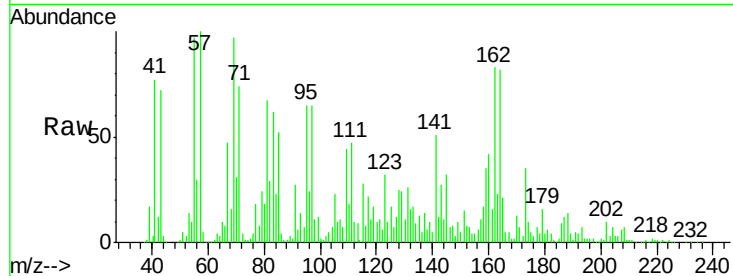
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.07 min Scan# 677
Delta R.T. 0.02 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Instrument :
BNA_F
ClientSampled :
T-5

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	393535		
162	101.2	80.1	120.1	
160	51.7	36.3	54.5	

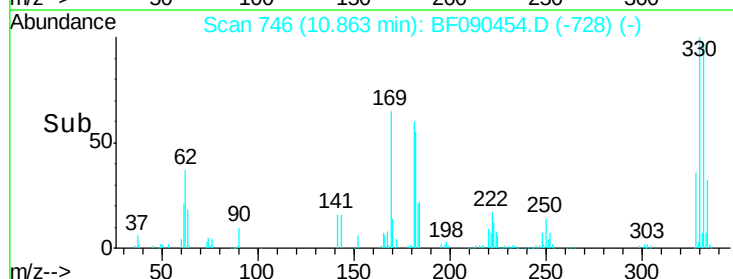
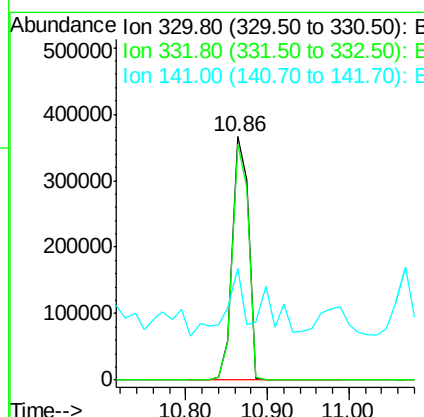
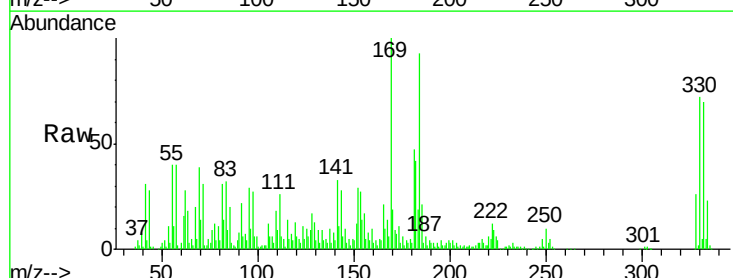
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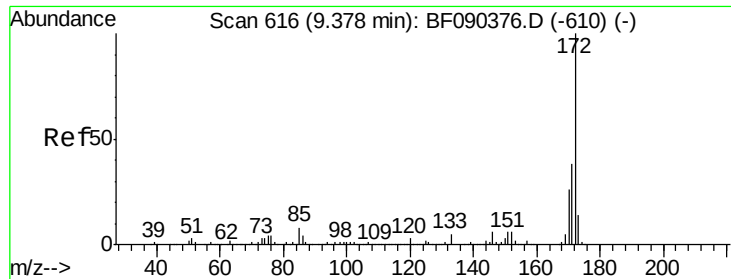
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#41
2,4,6-Tribromophenol
Concen: 158.18 ng
RT: 10.86 min Scan# 746
Delta R.T. 0.01 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	506162		
332	96.6	75.4	113.0	
141	26.9	26.9	40.3	





#44

2-Fluorobiphenyl

Concen: 79.45 ng

RT: 9.38 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

Instrument :

BNA_F

ClientSampled :

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Tgt Ion:172 Resp: 1876629

Ion Ratio Lower Upper

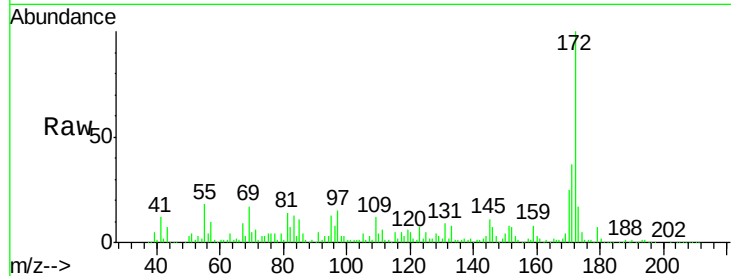
172 100

171 37.2 31.8 47.8

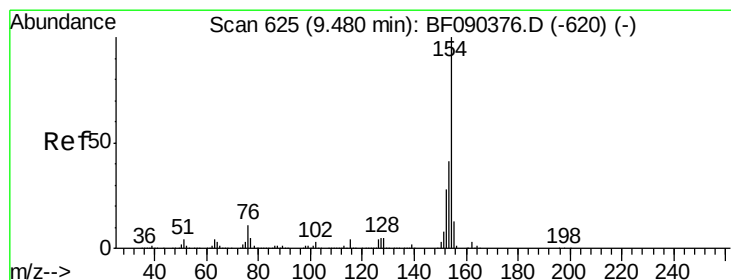
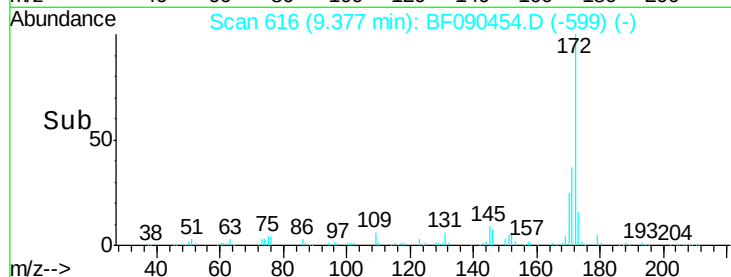
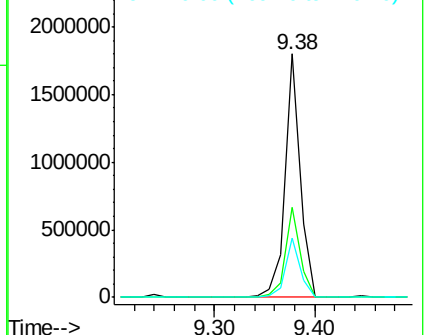
170 24.6 21.7 32.5

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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



#45

1,1'-Biphenyl

Concen: 31.71 ng

RT: 9.48 min Scan# 625

Delta R.T. -0.00 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

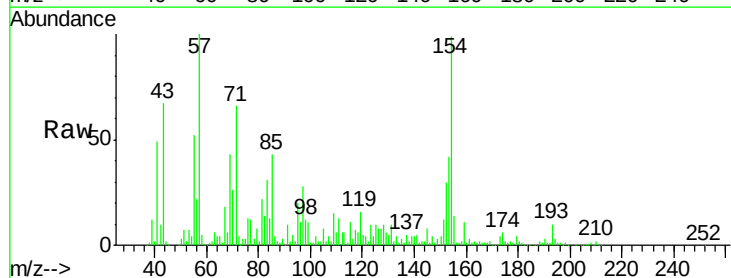
Tgt Ion:154 Resp: 924810

Ion Ratio Lower Upper

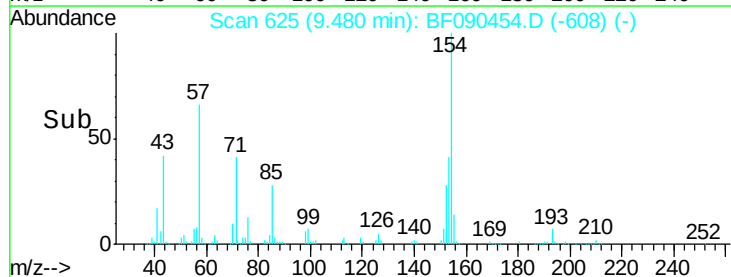
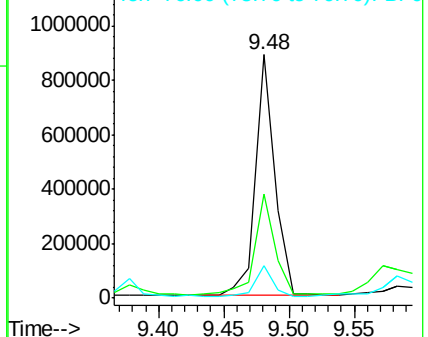
154 100

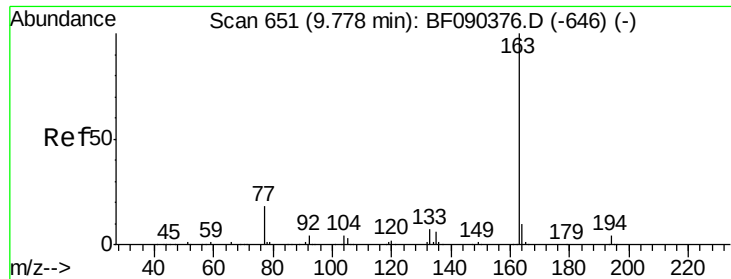
153 42.6 23.8 63.8

76 13.4 0.0 35.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





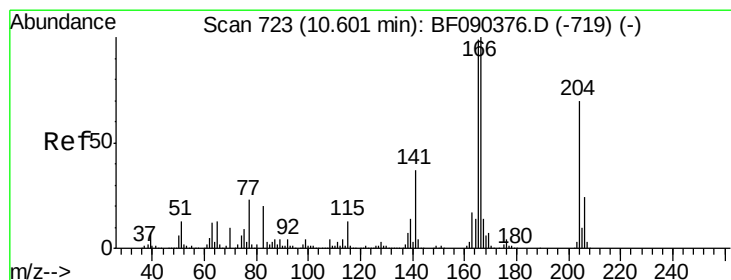
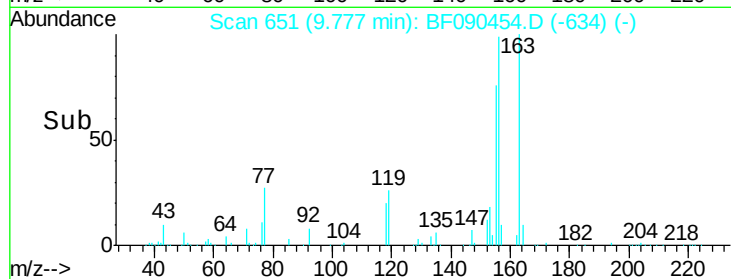
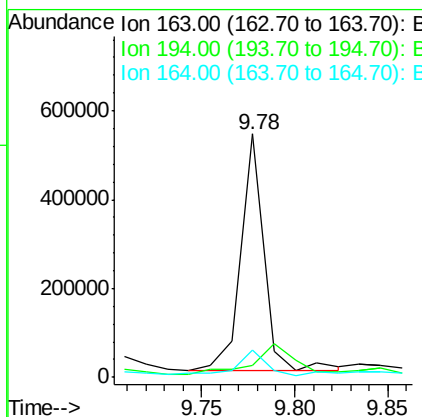
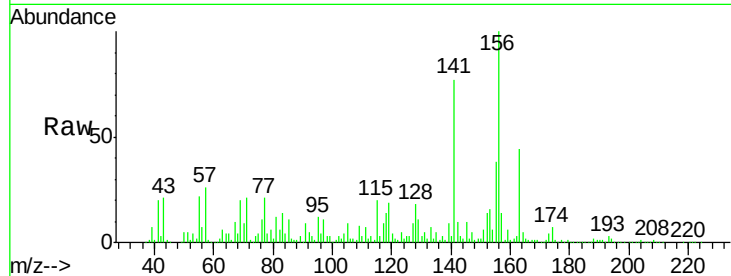
#49
Dimethylphthalate
Concen: 18.64 ng
RT: 9.78 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Instrument :
BNA_F
ClientSampled :
T-5

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	469666		
194	5.1	2.8	4.2#	
164	11.5	9.0	13.4	

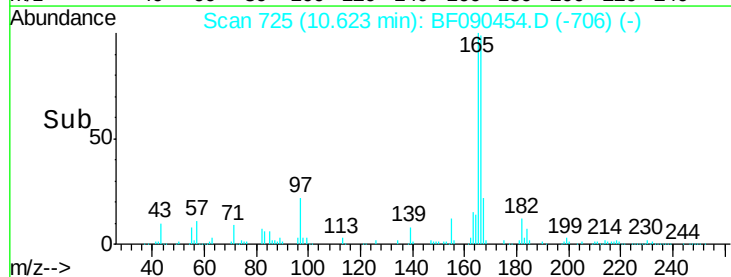
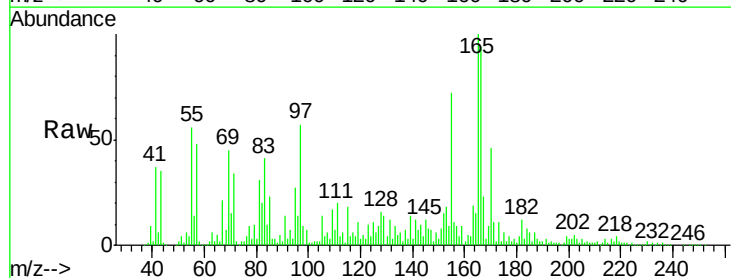
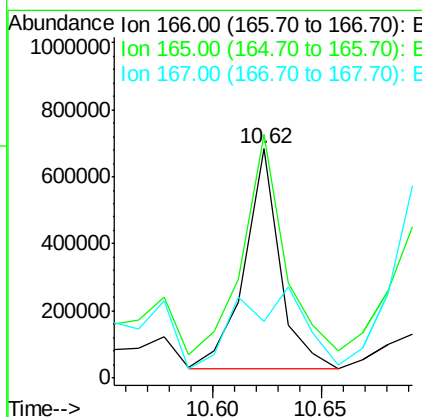
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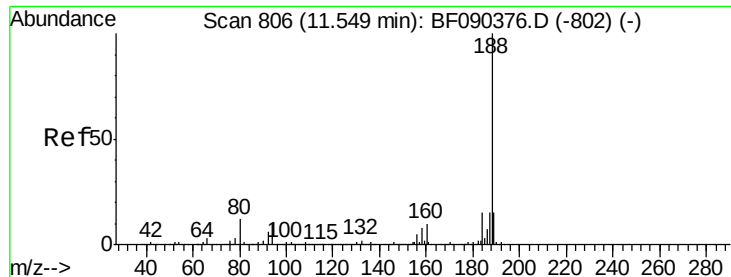
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#57
Fluorene
Concen: 30.72 ng
RT: 10.62 min Scan# 725
Delta R.T. 0.02 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	740766		
165	106.3	79.2	118.8	
167	24.8	11.1	16.7#	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.56 min Scan# 807

Delta R.T. 0.01 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

Instrument :

BNA_F

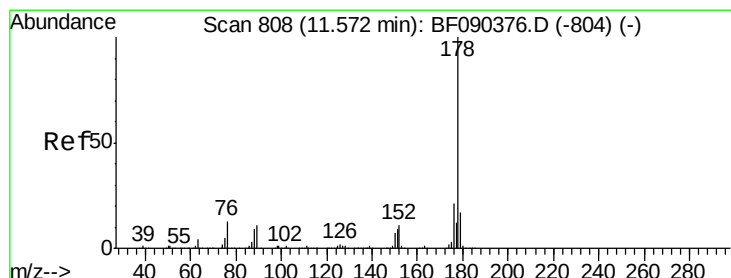
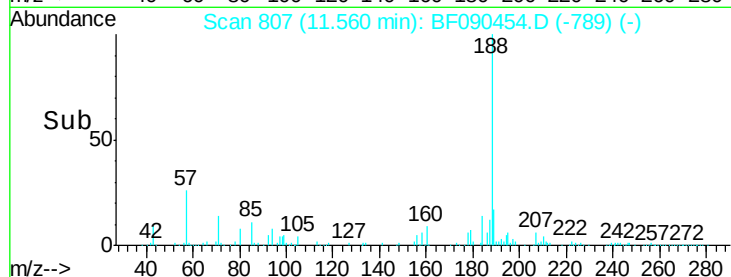
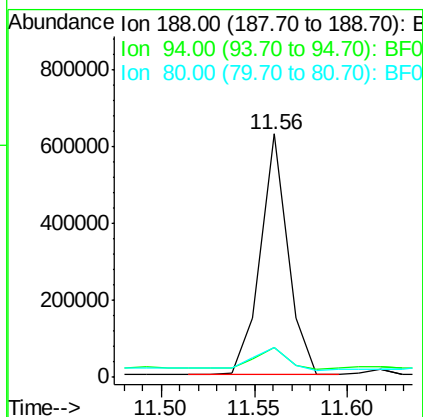
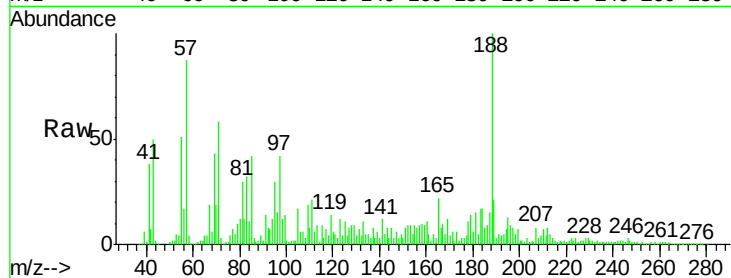
ClientSampled :

T-5

Tgt Ion:	188	Resp:	634801
Ion Ratio	Lower	Upper	
188	100		
94	12.2	8.2	12.2
80	12.4	8.8	13.2

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#70

Phenanthrene

Concen: 68.52 ng

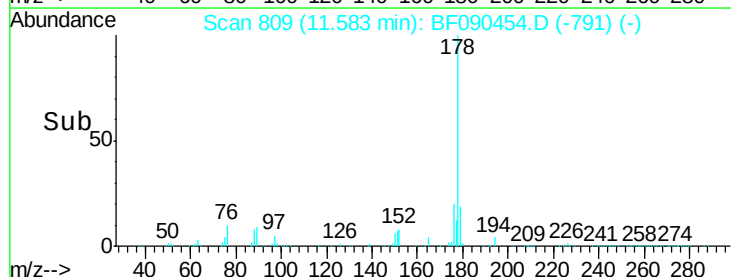
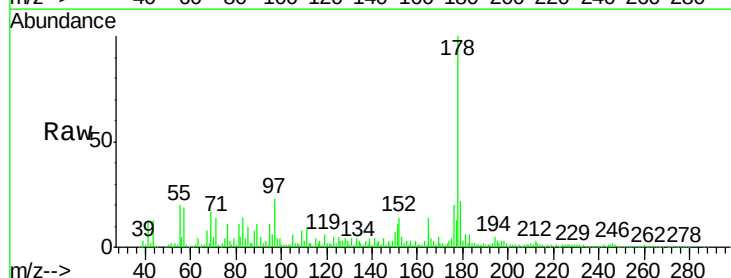
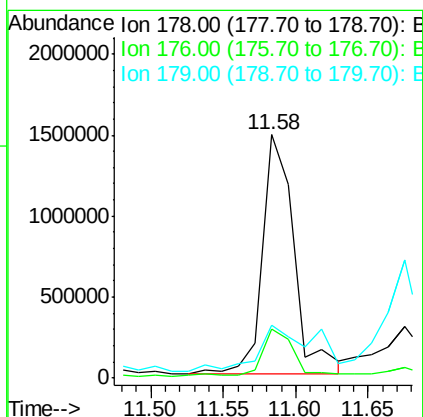
RT: 11.58 min Scan# 809

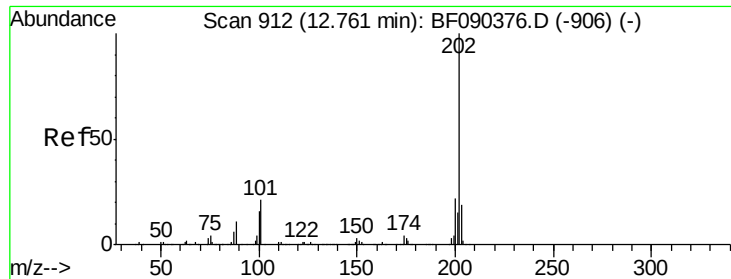
Delta R.T. 0.01 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

Tgt Ion:	178	Resp:	2227286
Ion Ratio	Lower	Upper	
178	100		
176	20.4	17.3	25.9
179	21.7	13.8	20.6#





#74

Fluoranthene

Concen: 9.60 ng

RT: 12.77 min Scan# 913

Delta R.T. 0.01 min

Lab File: BF090454.D

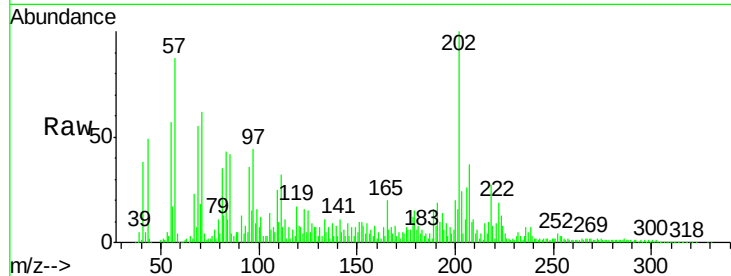
Acq: 7 Oct 2016 20:08

Instrument :

BNA_F

ClientSampled :

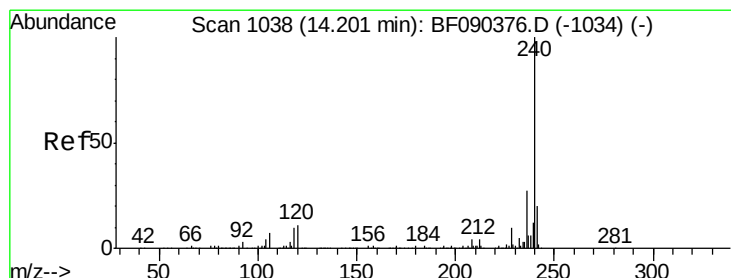
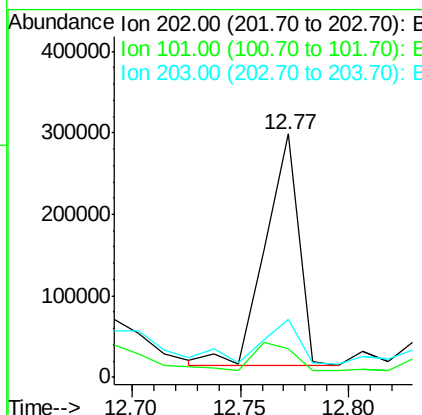
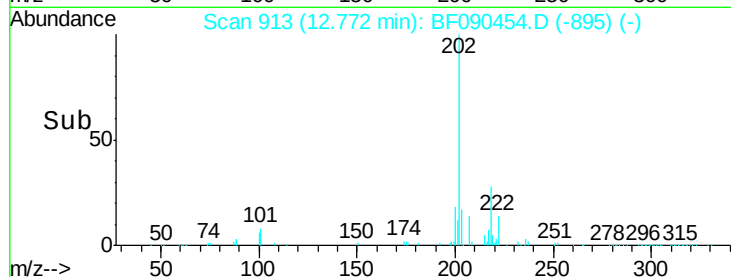
T-5



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	305980		
101	11.8	0.0	37.2	
203	23.9	0.0	39.3	

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#75

Chrysene-d12

Concen: 20.00 ng

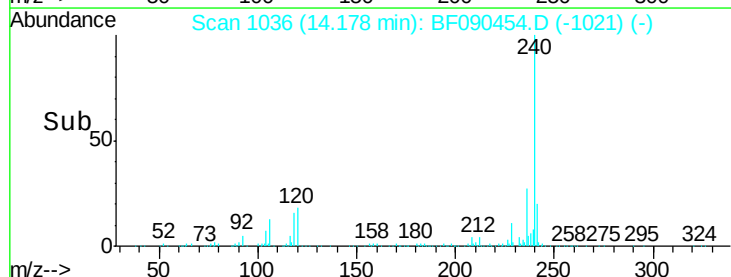
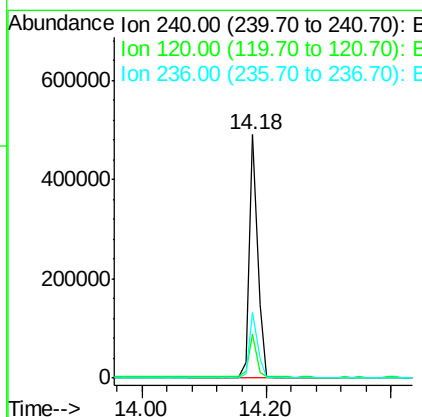
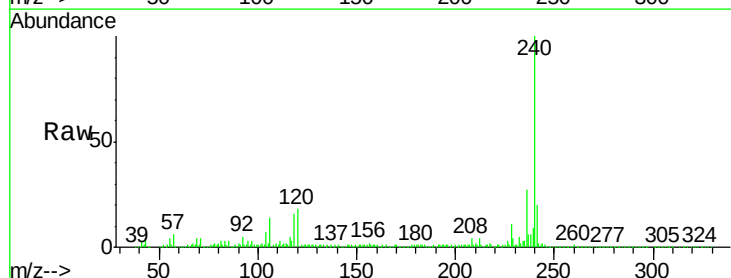
RT: 14.18 min Scan# 1036

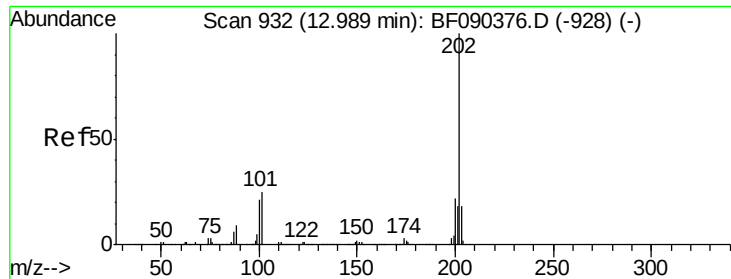
Delta R.T. -0.02 min

Lab File: BF090454.D

Acq: 7 Oct 2016 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	465207		
120	18.2	8.6	13.0#	
236	27.0	21.6	32.4	





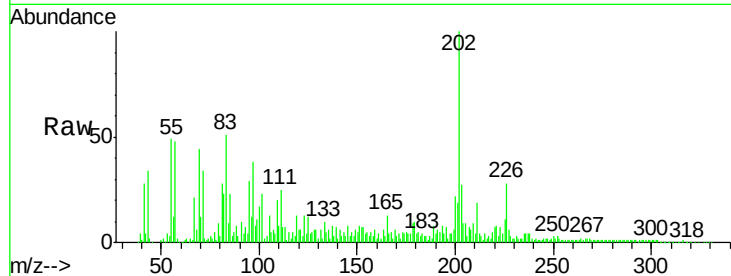
#77
Pyrene
 Concen: 15.00 ng
 RT: 12.99 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: BF090454.D
 Acq: 7 Oct 2016 20:08

Instrument :
 BNA_F
 ClientSampleId :
 T-5

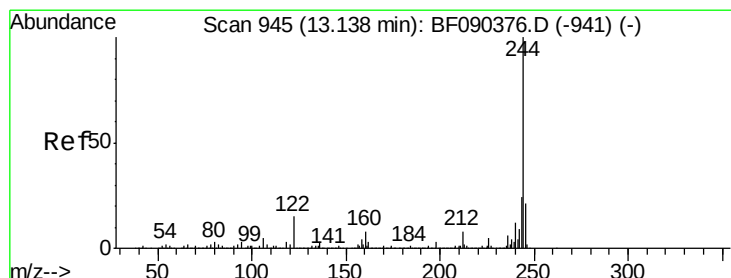
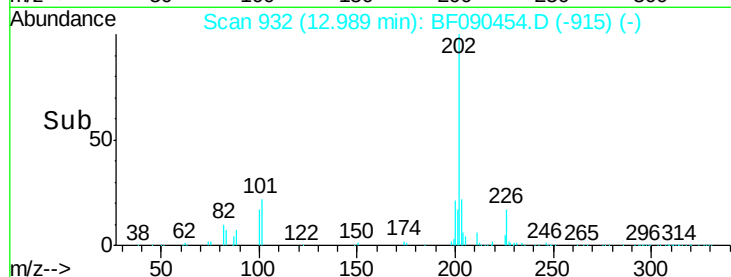
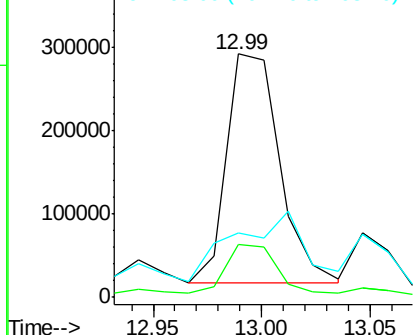
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	465409		
200	21.9		18.5	27.7
203	26.7		15.0	22.6

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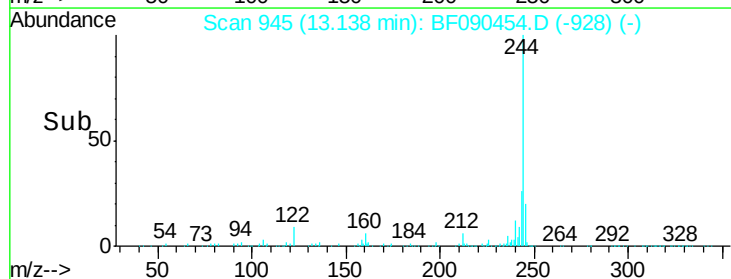
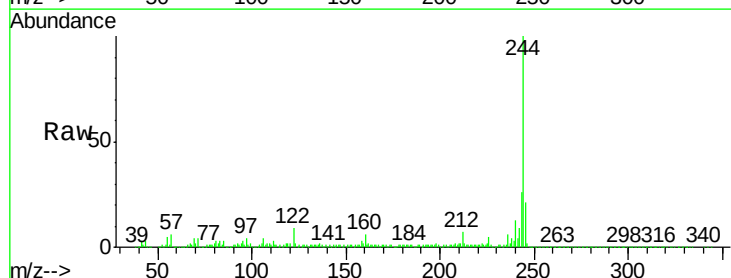
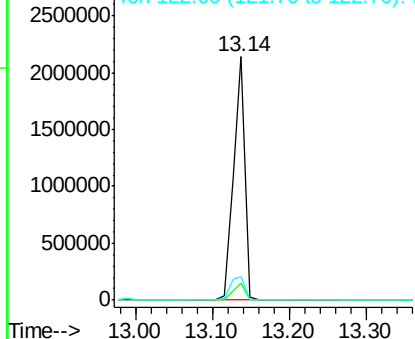
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

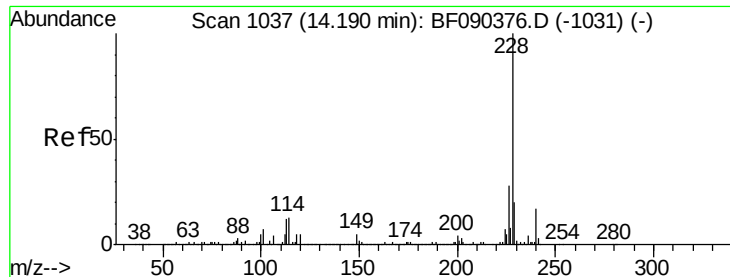


#78
Terphenyl-d14
 Concen: 108.97 ng
 RT: 13.14 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BF090454.D
 Acq: 7 Oct 2016 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	2254971		
212	6.9		6.8	10.2
122	9.5		13.3	19.9

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





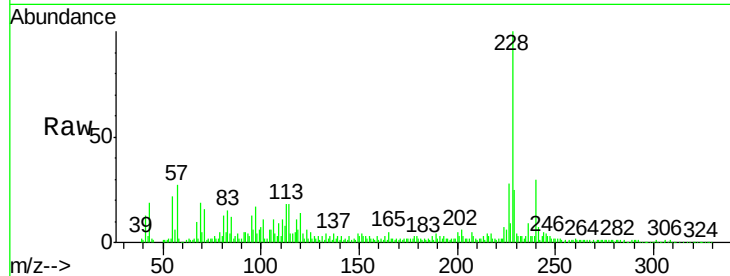
#80
Benzo(a)anthracene
Concen: 5.17 ng
RT: 14.17 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Instrument :
BNA_F
ClientSampled :
T-5

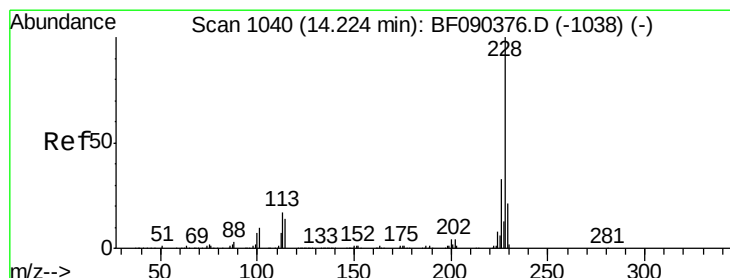
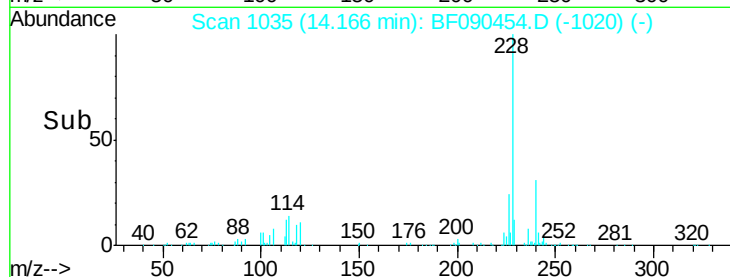
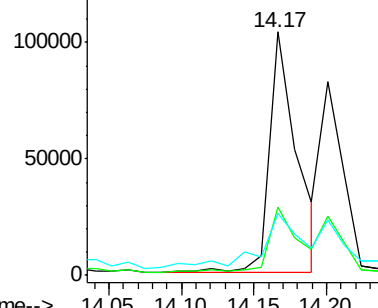
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.6	35.4
229	25.4	16.6	25.0

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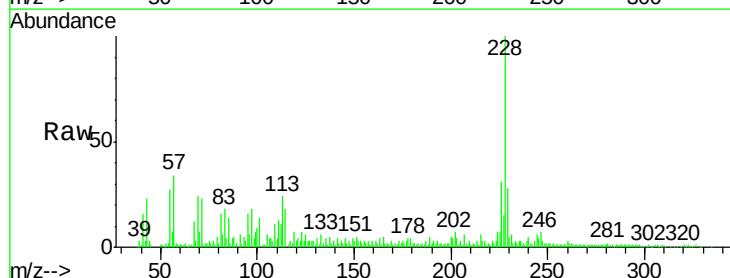


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

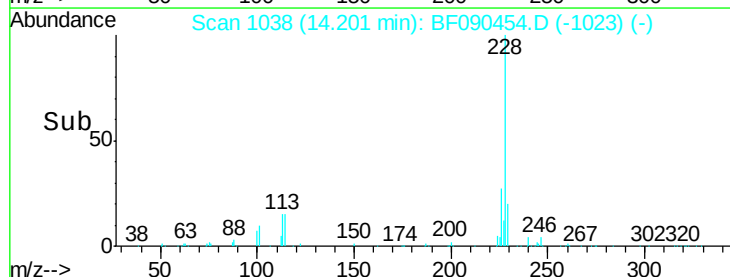
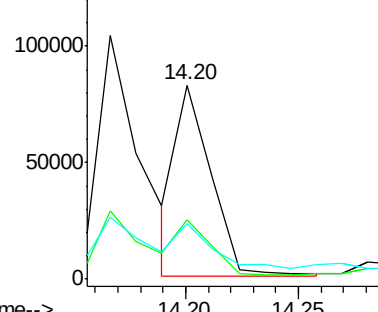


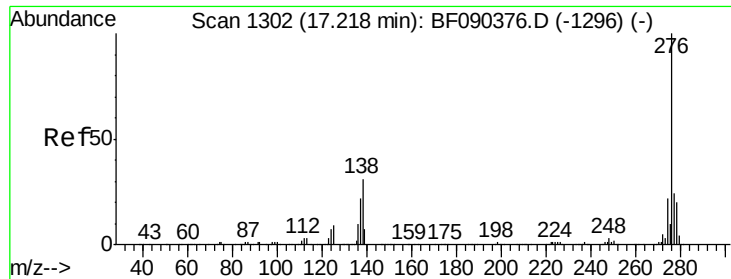
#82
Chrysene
Concen: 3.73 ng m
RT: 14.20 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.8	38.6
229	28.4	16.9	25.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





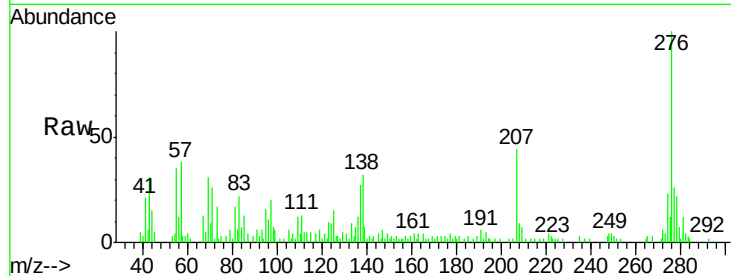
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.18 ng
 RT: 17.17 min Scan# 1298
 Delta R.T. -0.05 min
 Lab File: BF090454.D
 Acq: 7 Oct 2016 20:08

Instrument :
 BNA_F
 ClientSampled :
 T-5

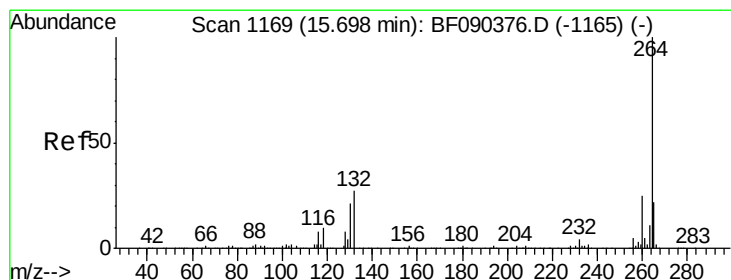
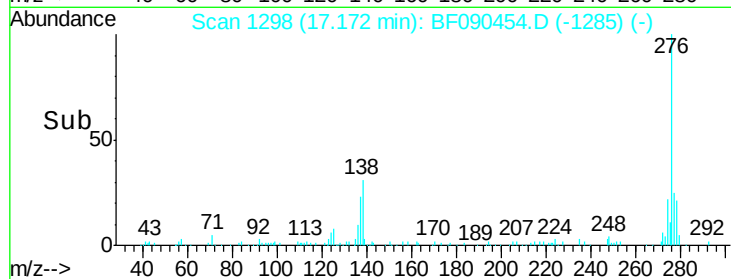
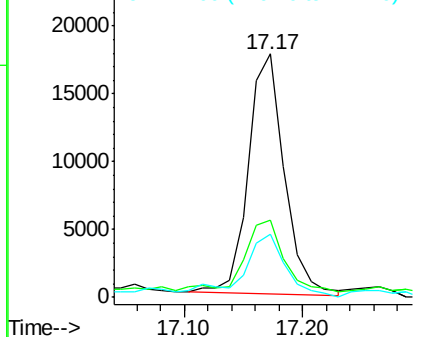
Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.7	23.8	35.8
277	32.4	20.4	30.6

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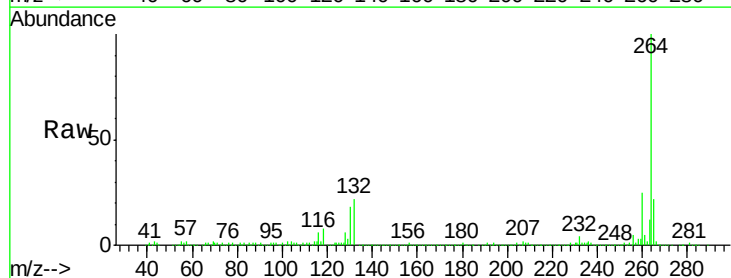


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

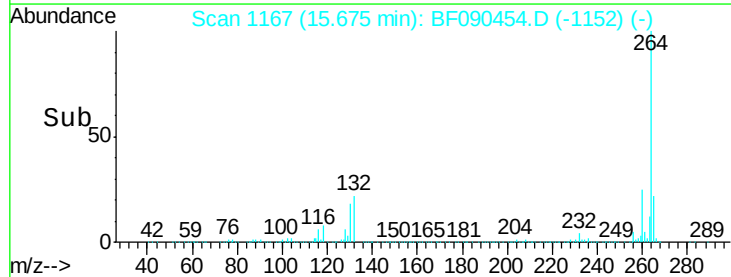
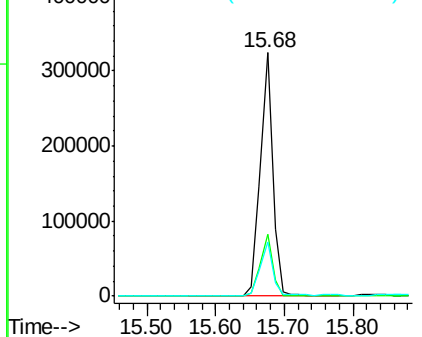


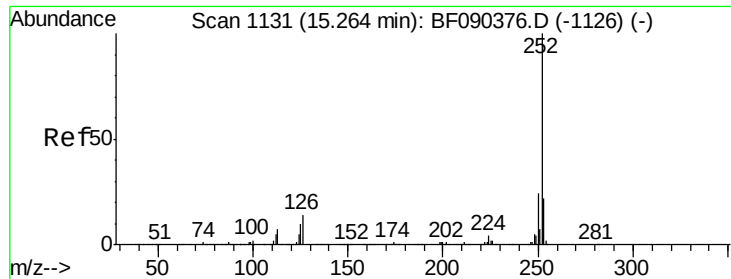
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.68 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: BF090454.D
 Acq: 7 Oct 2016 20:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.3	28.9
265	22.2	17.4	26.0



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





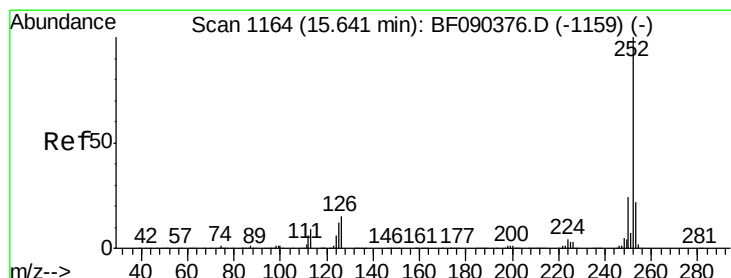
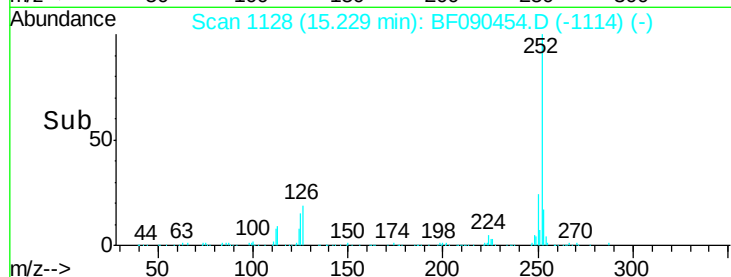
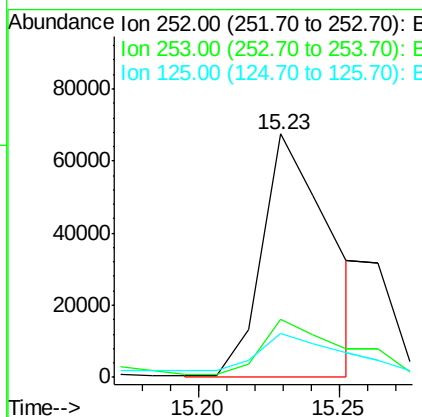
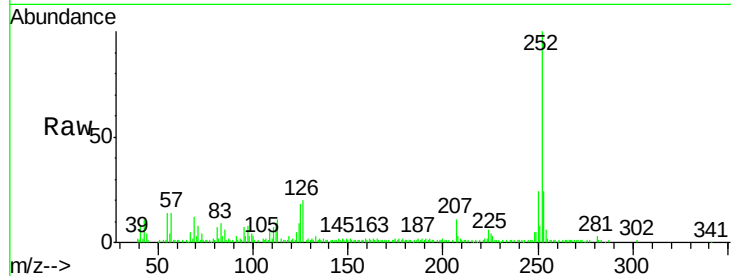
#87
Benzo(b)fluoranthene
Concen: 4.38 ng m
RT: 15.23 min Scan# 1128
Delta R.T. -0.03 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Instrument :
BNA_F
ClientSampled :
T-5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	18.2	7.0	10.4

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#89
Benzo(a)pyrene
Concen: 3.13 ng
RT: 15.61 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF090454.D
Acq: 7 Oct 2016 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	17.4	9.8	14.8

