

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
 Data File : BF091566.D
 Acq On : 13 Dec 2016 20:52
 Operator : UM/SJ
 Sample : H5994-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-47(6-8)-12-8-16

Manual Integrations
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Quant Time: Dec 14 01:21:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	252193	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	606201	20.00	ng	0.02
38) Acenaphthene-d10	9.88	164	299004	20.00	ng	0.02
63) Phenanthrene-d10	11.34	188	660471	20.00	ng	0.01
75) Chrysene-d12	13.96	240	550954	20.00	ng	0.00
86) Perylene-d12	15.38	264	555971	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	2233159	149.18	ng	0.01
7) Phenol-d6	6.46	99	3095511	165.87	ng	0.01
23) Nitrobenzene-d5	7.39	82	1741426	160.33	ng	0.01
41) 2,4,6-Tribromophenol	10.66	330	526413	211.96	ng	0.02
44) 2-Fluorobiphenyl	9.21	172	1865944	107.83	ng	0.02
78) Terphenyl-d14	12.92	244	1720836	70.87	ng	0.00
Target Compounds						
10) Phenol	6.48	94	156997	7.20	ng	Qvalue 79
49) Dimethylphthalate	9.58	163	222758	11.77	ng	# 69
57) Fluorene	10.42	166	196821	8.50	ng	# 82
70) Phenanthrene	11.36	178	271564	8.30	ng	# 93
74) Fluoranthene	12.56	202	270945	7.91	ng	97
77) Pyrene	12.77	202	260933	5.97	ng	97
80) Benzo(a)anthracene	13.95	228	86334m	2.70	ng	
82) Chrysene	13.99	228	88142m	2.63	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	77051	3.52	ng	# 94
87) Benzo(b)fluoranthene	14.98	252	116103m	3.50	ng	
89) Benzo(a)pyrene	15.31	252	74250	2.49	ng	# 88

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

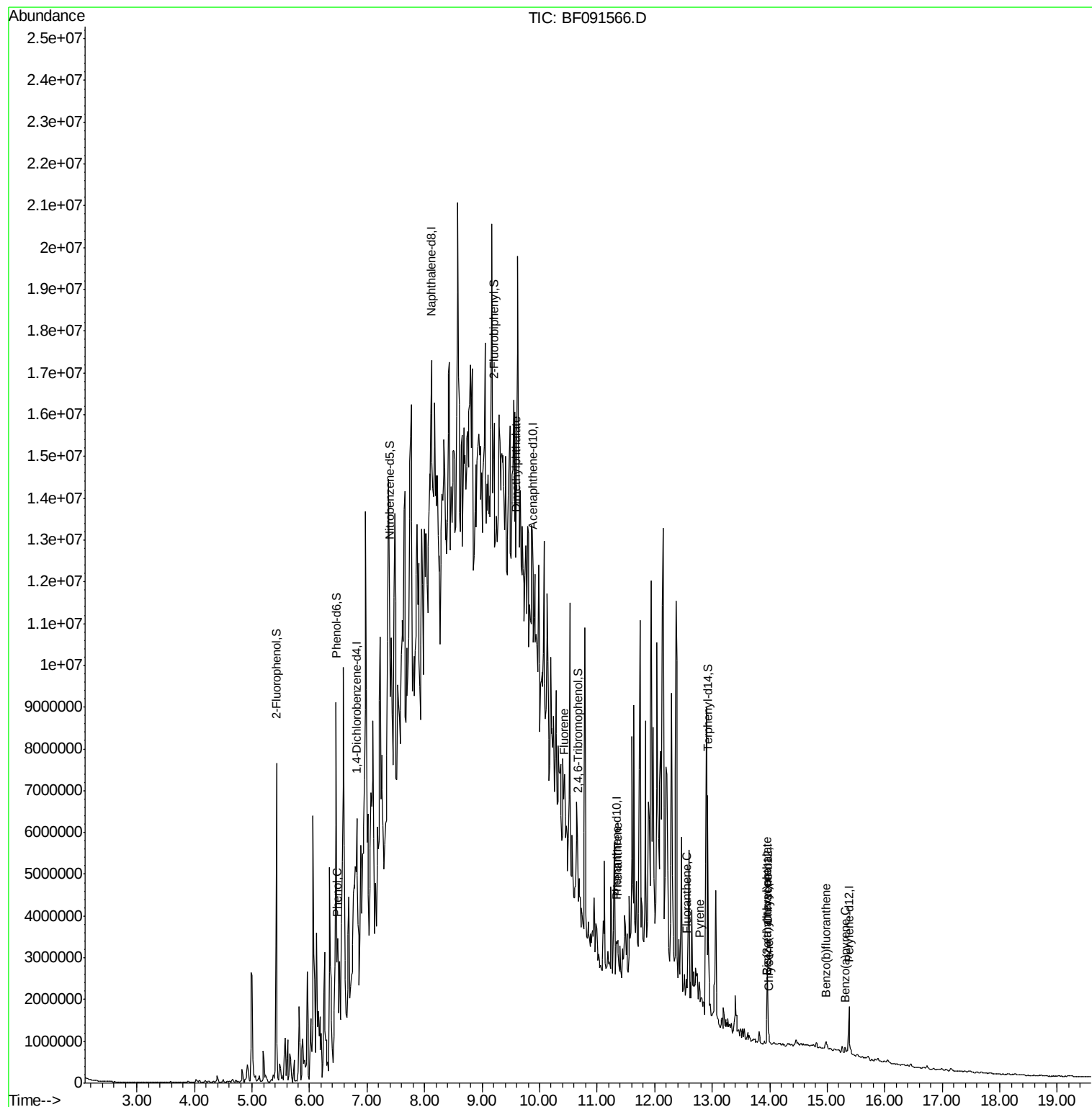
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121316\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

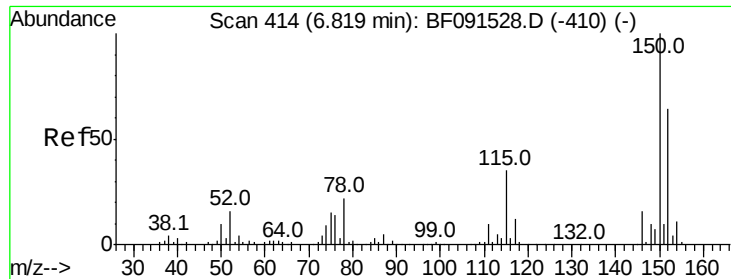
Instrument :
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

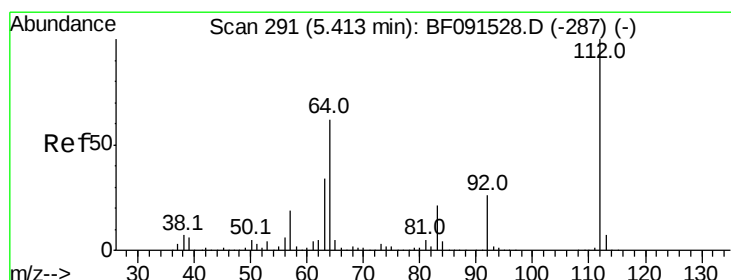
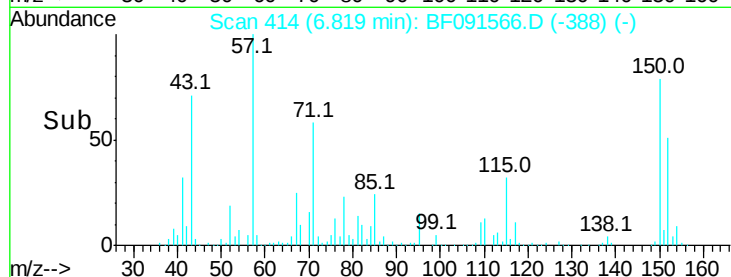
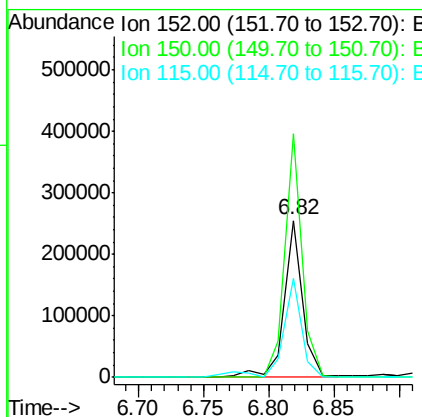
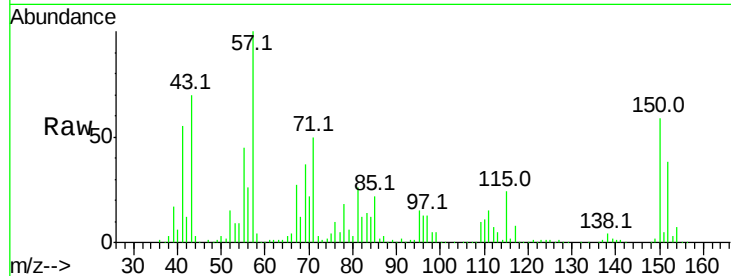
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	122.5	183.7
115	63.0	51.8	77.8

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#5

2-Fluorophenol

Concen: 149.18 ng

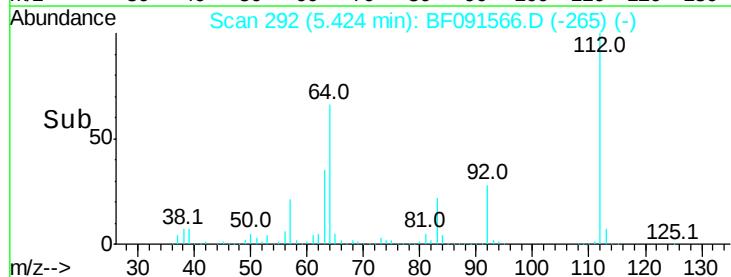
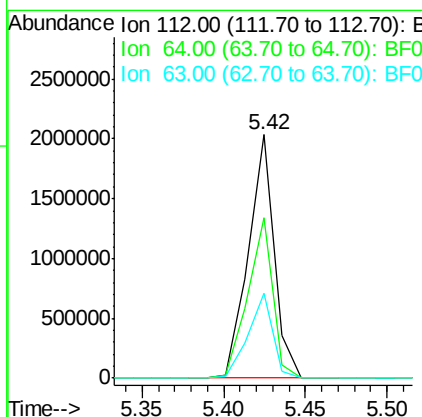
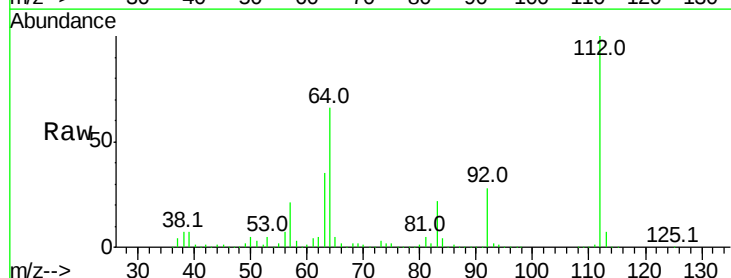
RT: 5.42 min Scan# 292

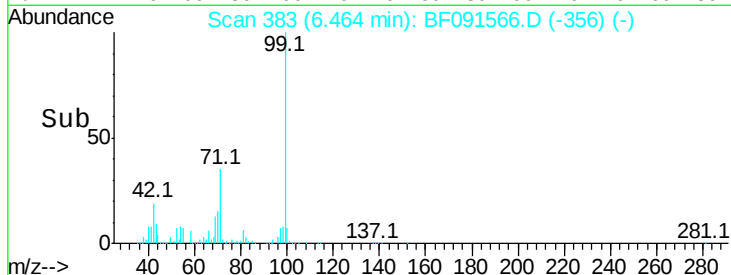
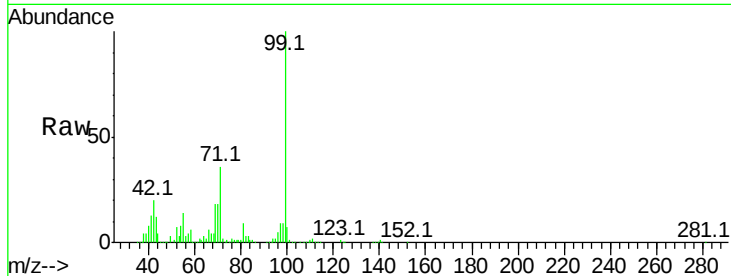
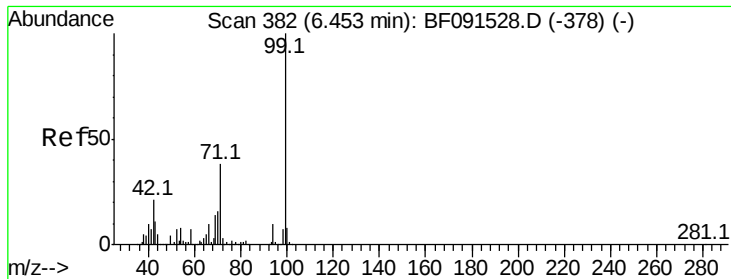
Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	61.5	92.3
63	34.7	33.3	49.9





#7

Phenol-d6

Concen: 165.87 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Tot Ion:	99	Resp:	3095511
Ion	Ratio	Lower	Upper
99	100		
42	20.0	20.6	31.0#
71	36.3	29.9	44.9

Instrument :

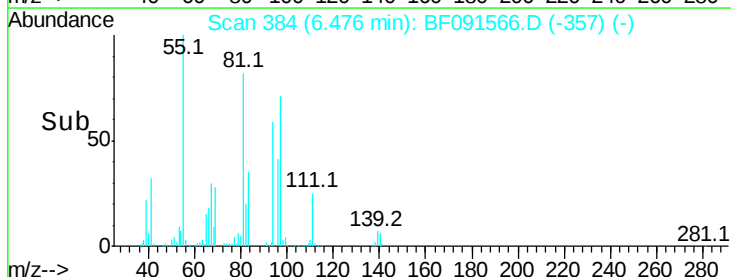
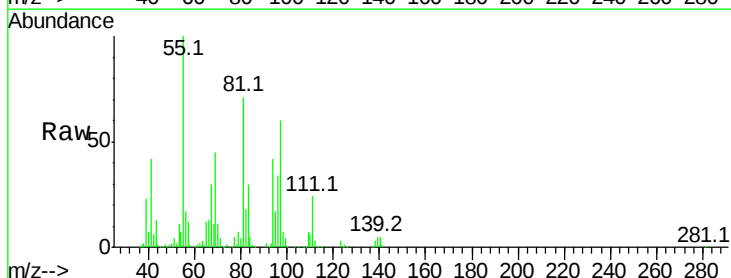
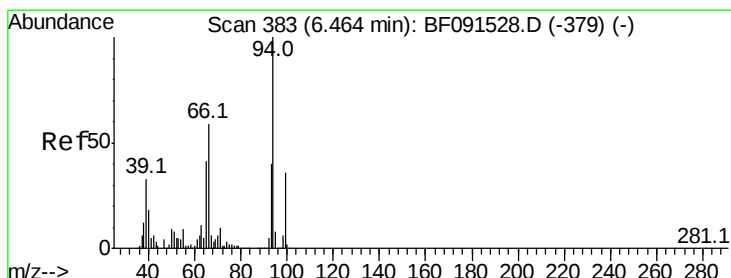
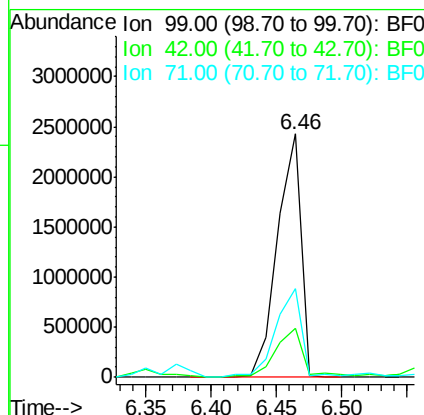
BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

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#10

Phenol

Concen: 7.20 ng

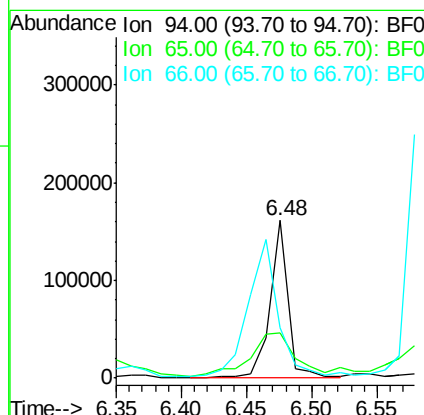
RT: 6.48 min Scan# 384

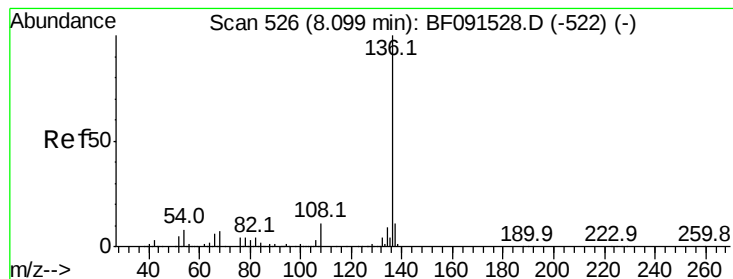
Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Tgt Ion:	94	Resp:	156997
Ion	Ratio	Lower	Upper
94	100		
65	28.5	16.9	56.9
66	32.0	30.6	70.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. 0.02 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

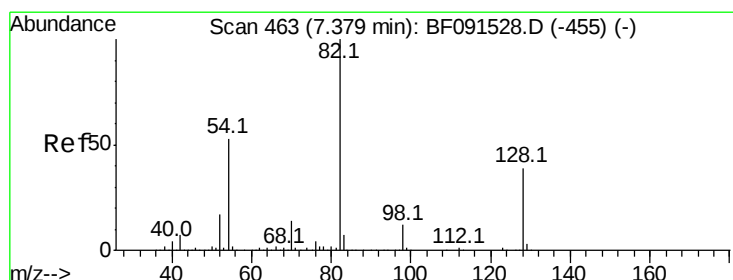
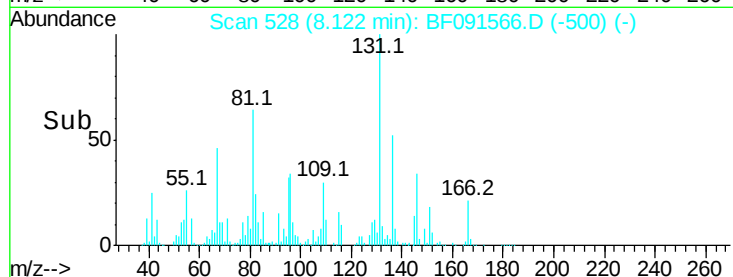
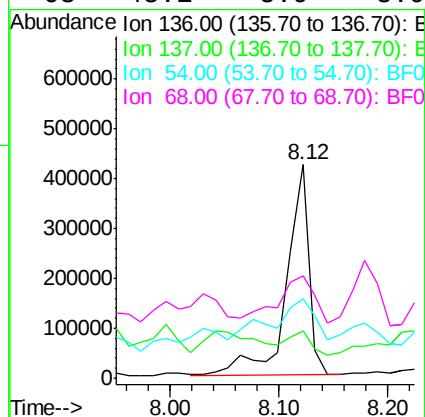
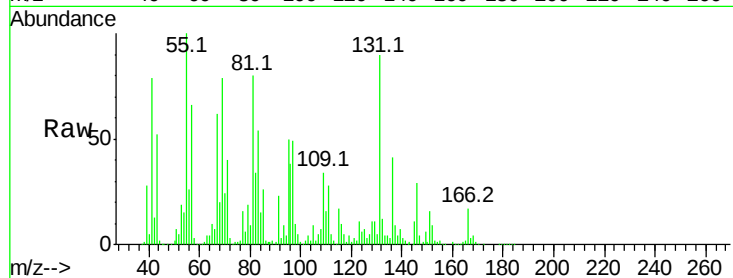
ClientSampleId :

SB-47(6-8)-12-8-16

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	22.3	9.1	13.7#	
54	37.3	9.1	13.7#	
68	48.1	5.9	8.9#	

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#23

Nitrobenzene-d5

Concen: 160.33 ng

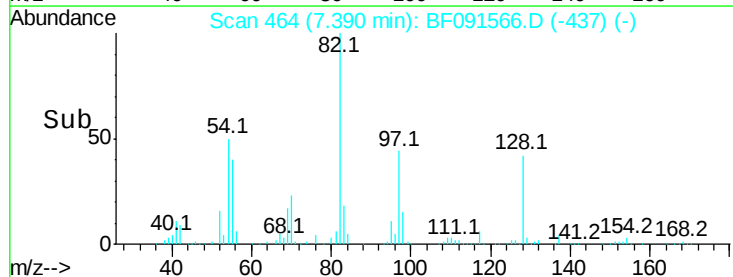
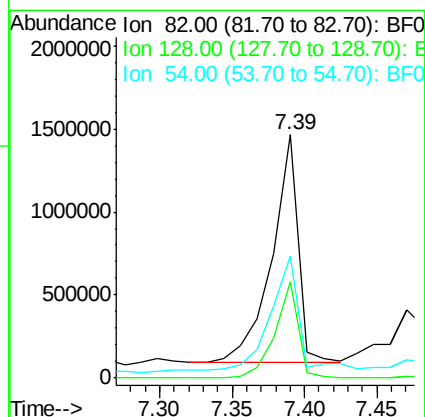
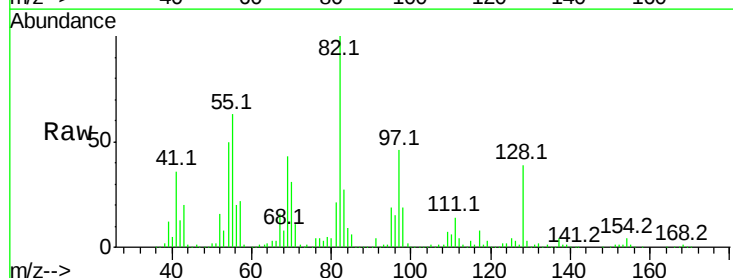
RT: 7.39 min Scan# 464

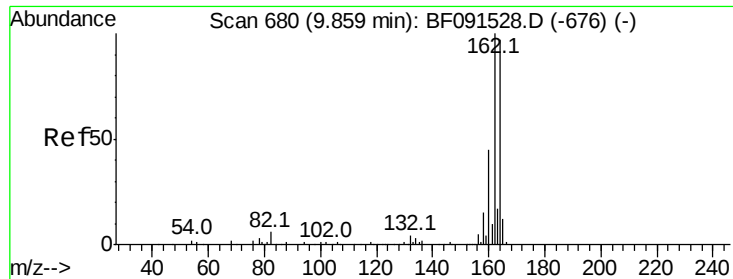
Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.5	31.8	47.6	
54	50.0	49.1	73.7	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.02 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

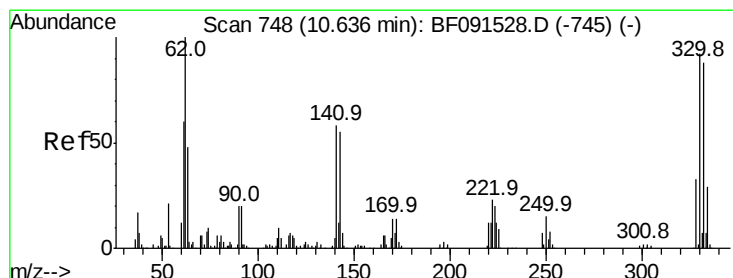
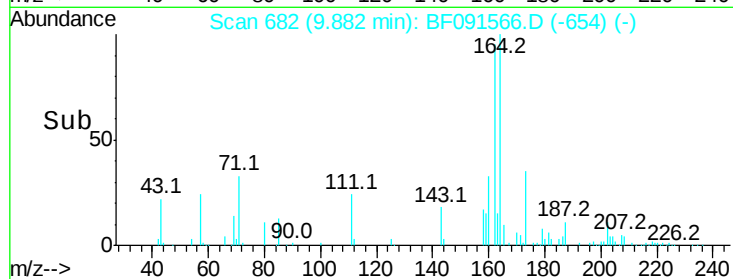
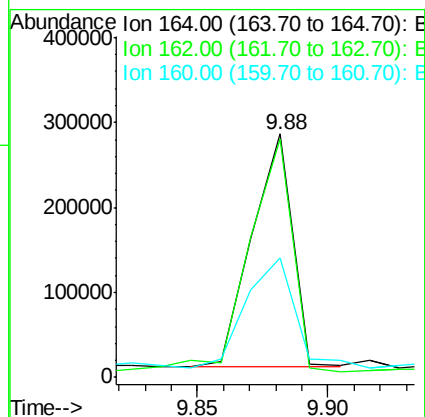
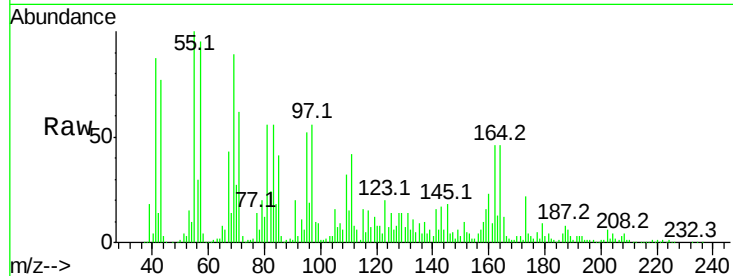
ClientSampleId :

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Tot Ion:	164	Resp:	299004
Ion Ratio	Lower	Upper	
164	100		
162	98.1	82.6	124.0
160	48.8	36.7	55.1

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#41

2,4,6-Tribromophenol

Concen: 211.96 ng

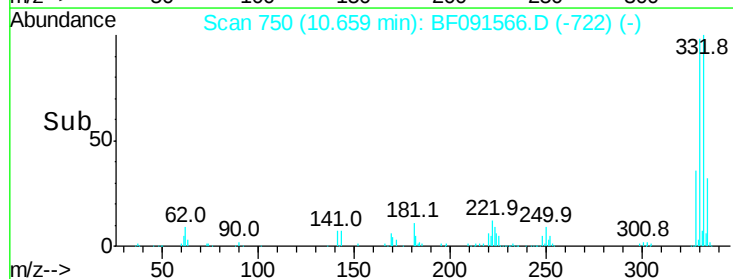
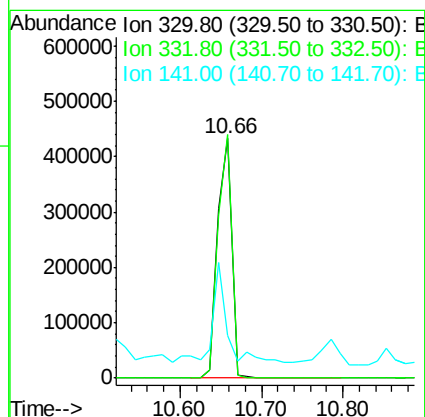
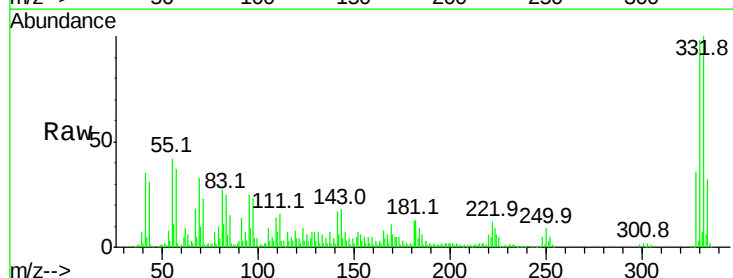
RT: 10.66 min Scan# 750

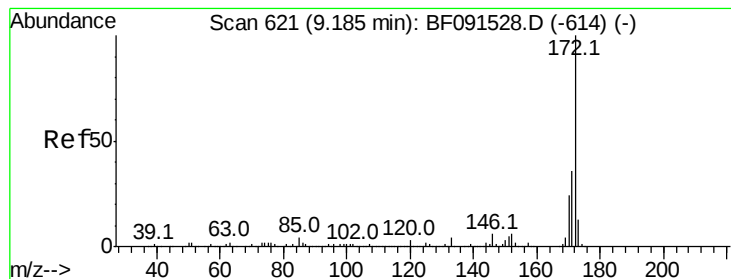
Delta R.T. 0.02 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Tgt Ion:	330	Resp:	526413
Ion Ratio	Lower	Upper	
330	100		
332	99.1	76.2	114.4
141	40.6	33.6	50.4





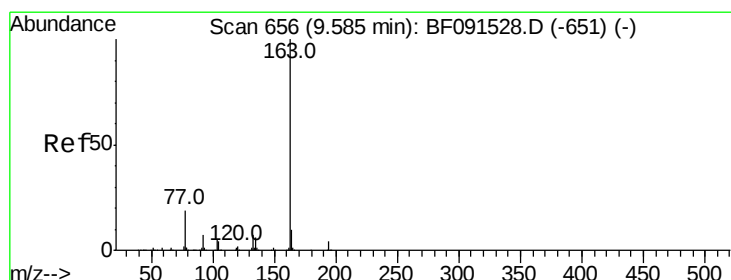
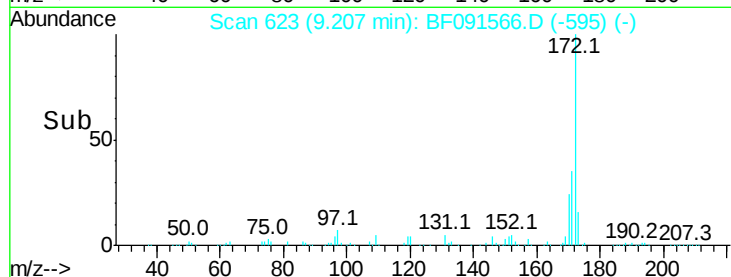
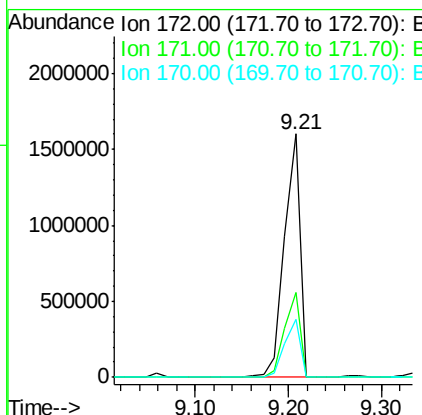
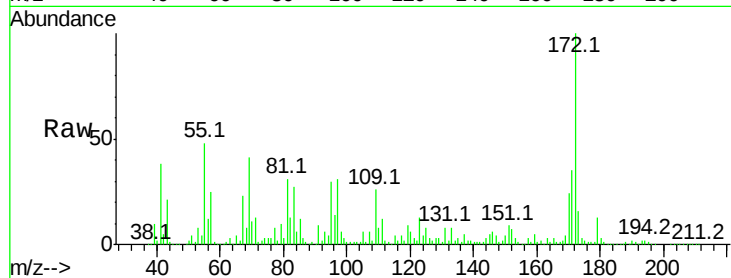
#44
2-Fluorobiphenyl
Concen: 107.83 ng
RT: 9.21 min Scan# 623
Delta R.T. 0.02 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

Tot Ion:172 Resp: 1865944
Ion Ratio Lower Upper
172 100
171 34.9 29.4 44.0
170 23.8 19.7 29.5

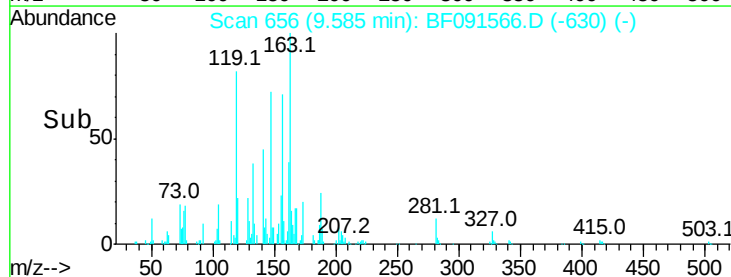
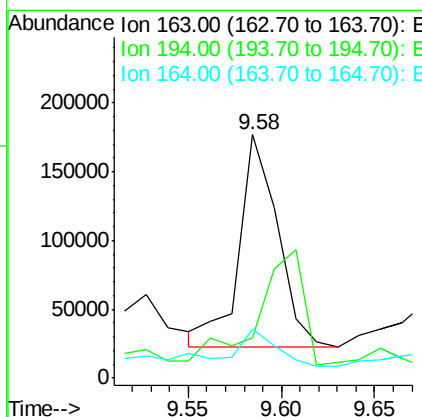
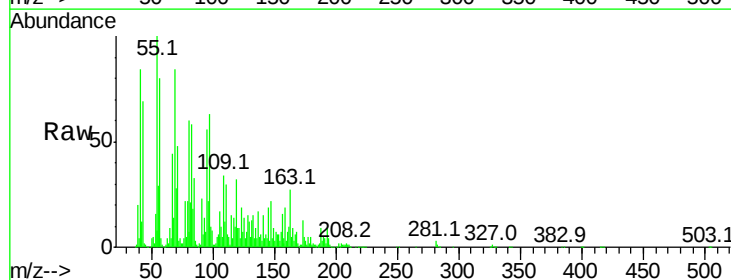
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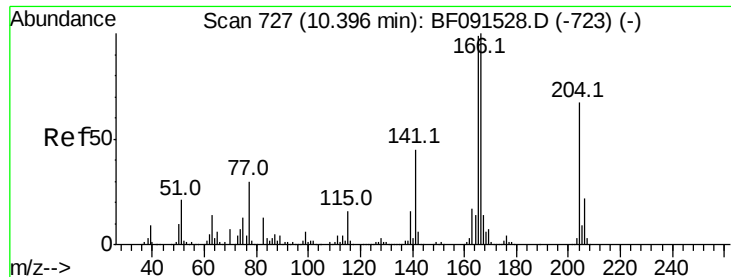
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#49
Dimethylphthalate
Concen: 11.77 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.00 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion:163 Resp: 222758
Ion Ratio Lower Upper
163 100
194 16.5 3.0 4.4#
164 20.2 7.8 11.8#





#57

Fluorene

Concen: 8.50 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.02 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

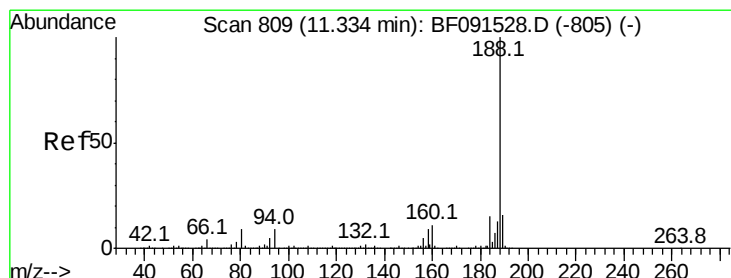
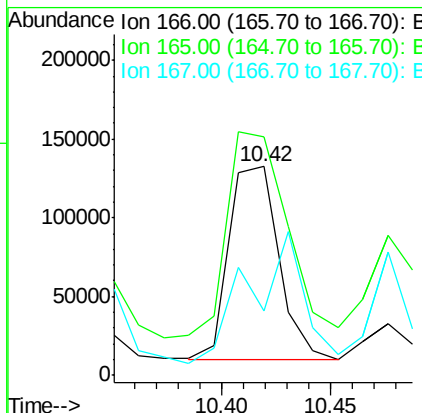
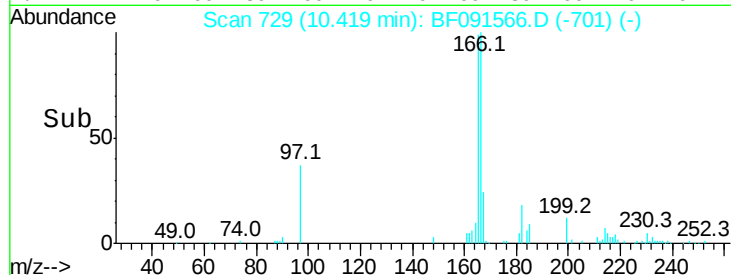
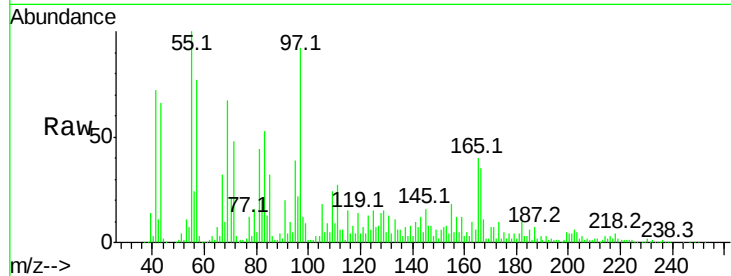
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
166	100		
165	114.4	80.0	120.0
167	31.0	10.8	16.2#

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#63

Phenanthrene-d10

Concen: 20.00 ng

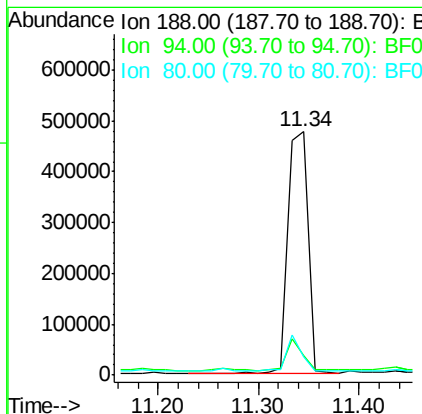
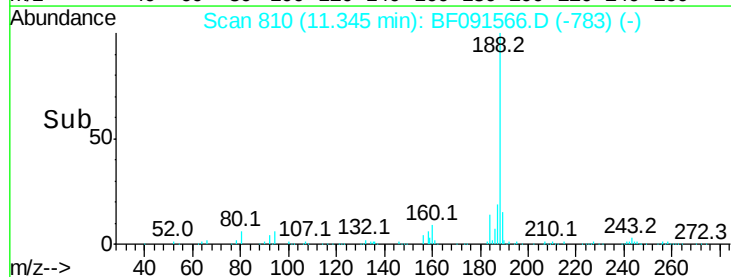
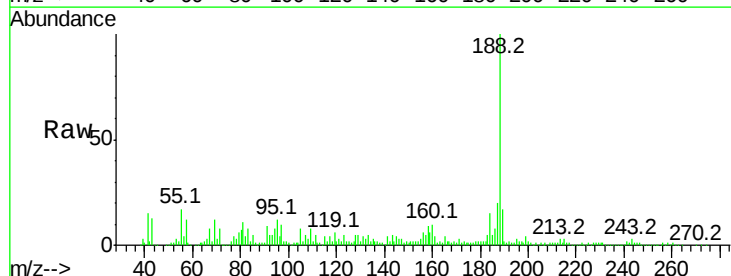
RT: 11.34 min Scan# 810

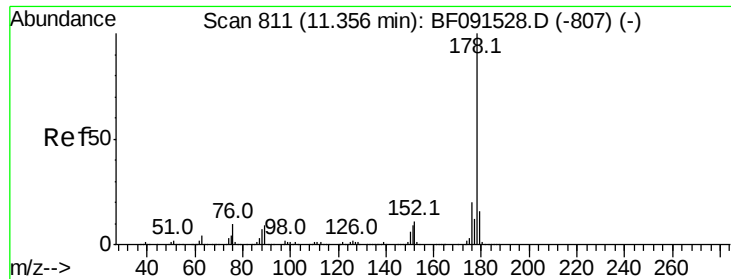
Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.2	13.8#
80	7.4	10.5	15.7#





#70

Phenanthrene

Concen: 8.30 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

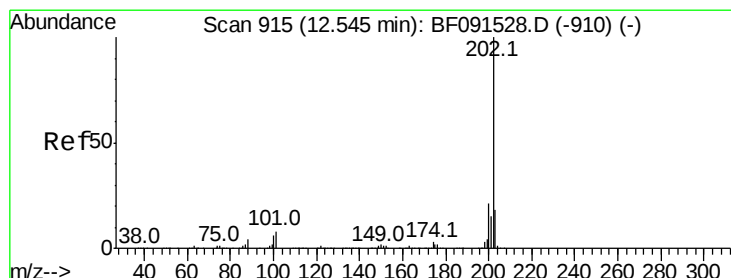
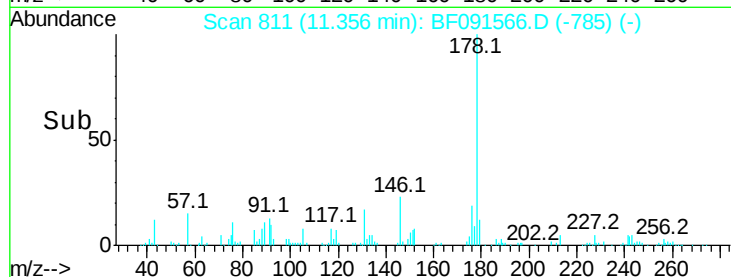
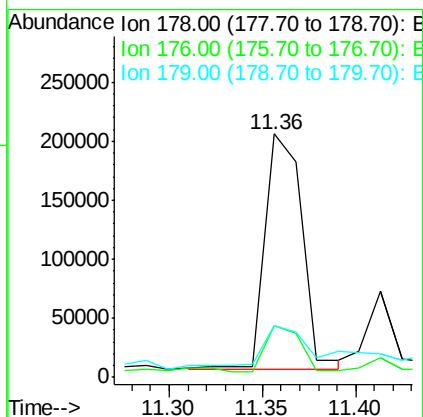
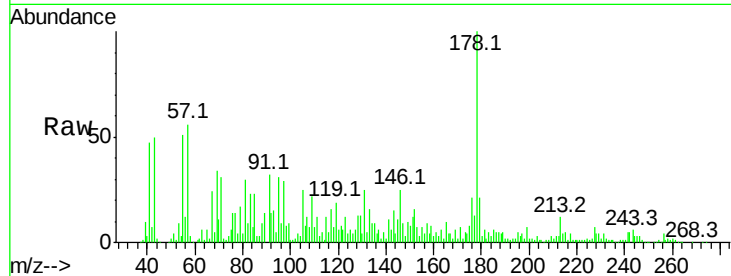
ClientSampleId :

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Tot Ion:	178	Resp:	271564
Ion Ratio	Lower	Upper	
178	100		
176	21.3	15.9	23.9
179	21.0	12.6	18.8#

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#74

Fluoranthene

Concen: 7.91 ng

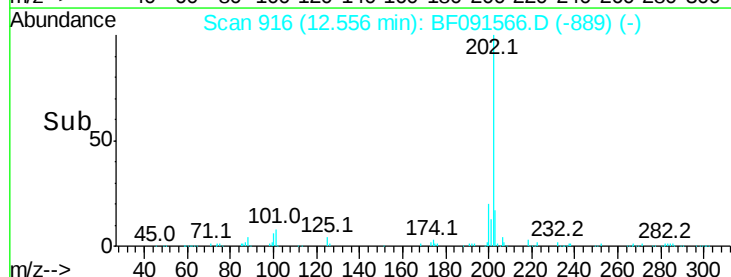
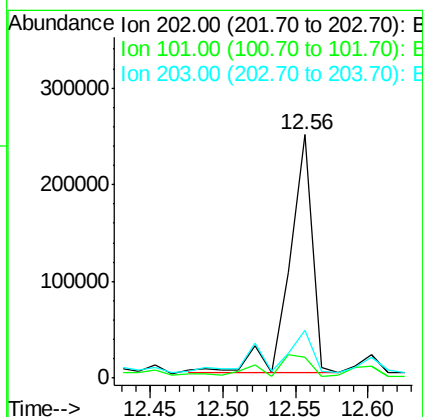
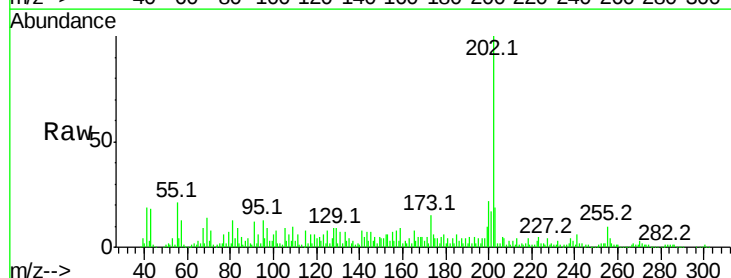
RT: 12.56 min Scan# 916

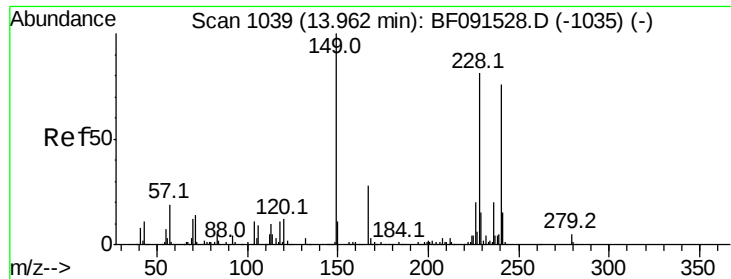
Delta R.T. 0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Tgt Ion:	202	Resp:	270945
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	29.5
203	19.5	0.0	37.8





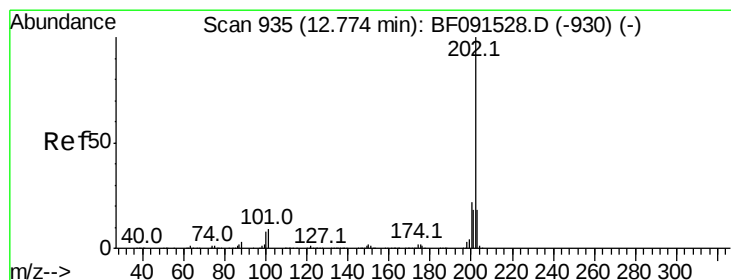
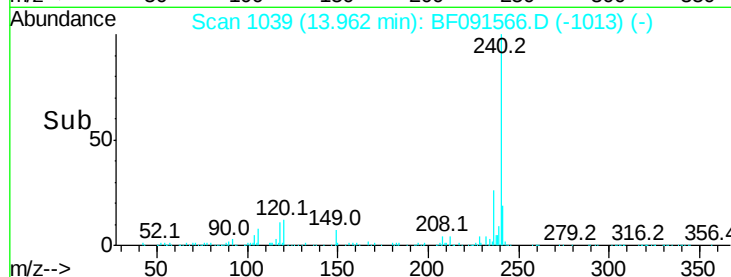
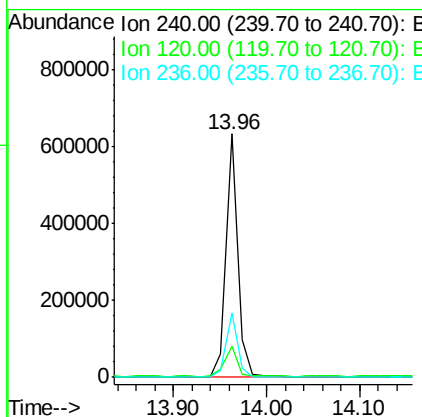
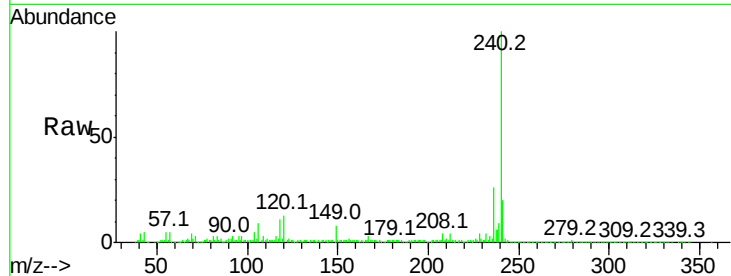
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.9	12.1	18.1	
236	26.3	21.0	31.6	

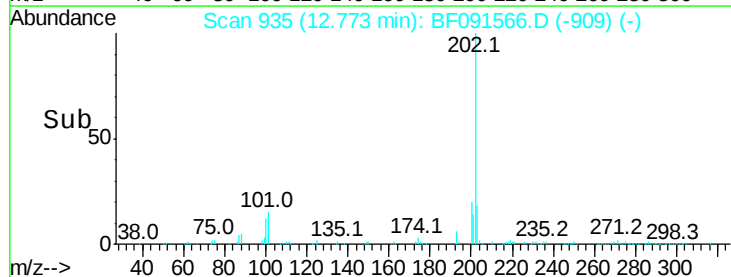
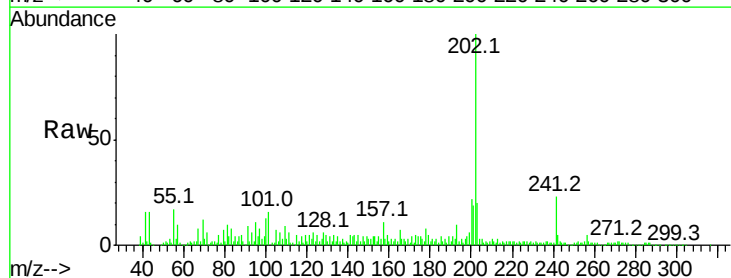
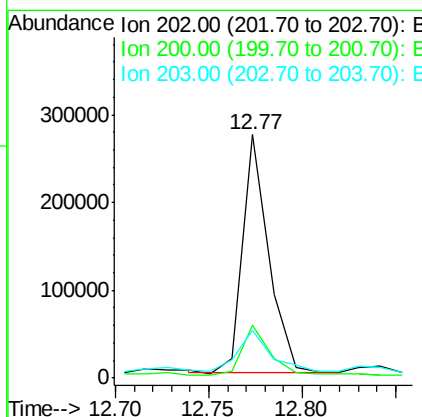
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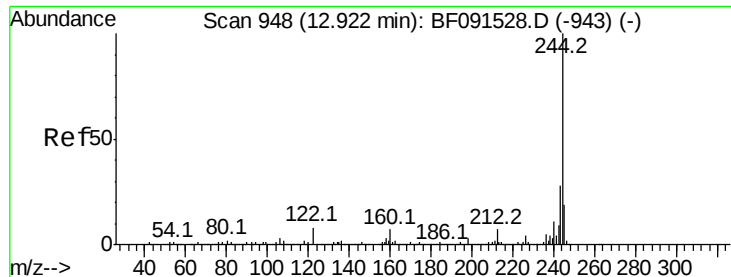
sohil
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#77
Pyrene
Concen: 5.97 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.00 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	17.6	26.4	
203	19.8	14.0	21.0	





#78

Terphenyl-d14

Concen: 70.87 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

ClientSampleId :

SB-47(6-8)-12-8-16

Tot Ion:244 Resp: 1720836

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

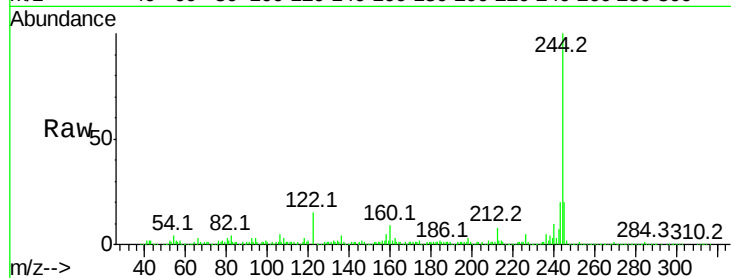
122 14.6 9.5 14.3#

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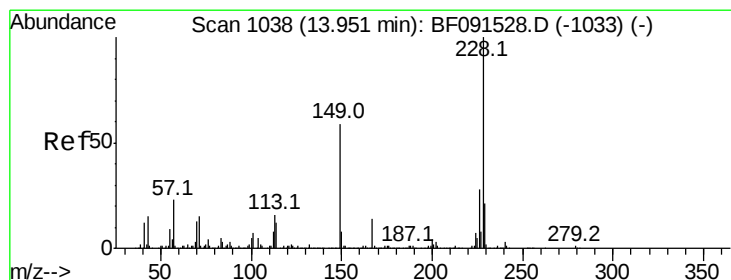
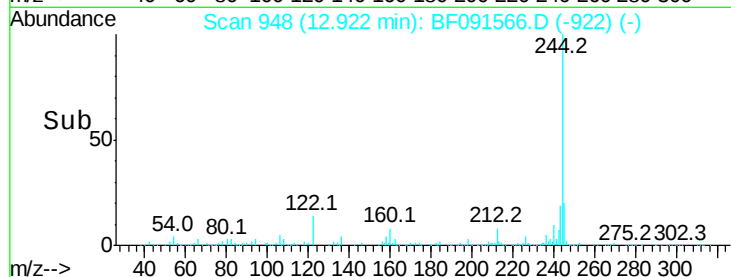
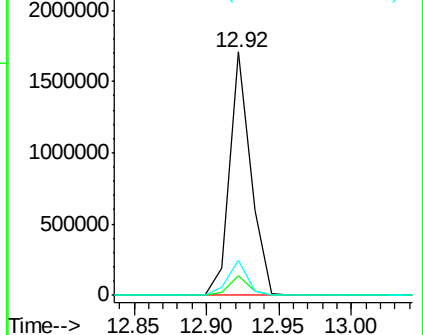
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.70 ng m

RT: 13.95 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

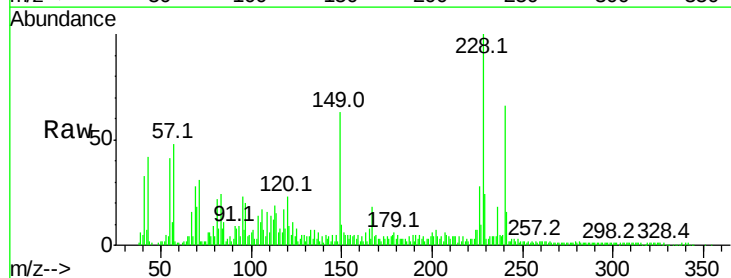
Tgt Ion:228 Resp: 86334

Ion Ratio Lower Upper

228 100

226 27.9 22.5 33.7

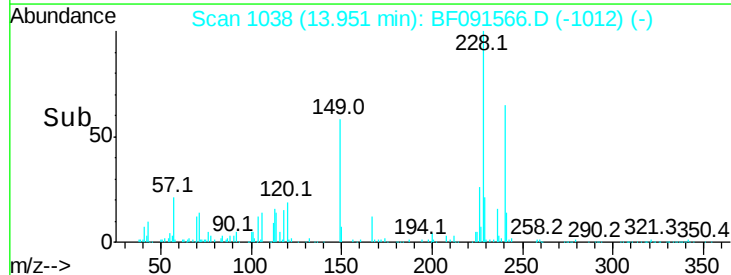
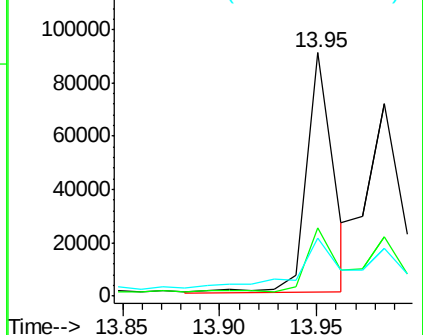
229 24.1 16.4 24.6

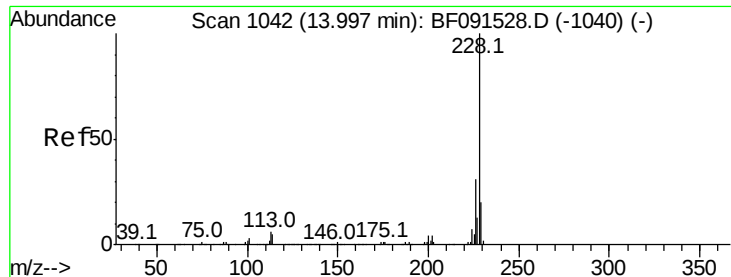


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.63 ng/mL

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

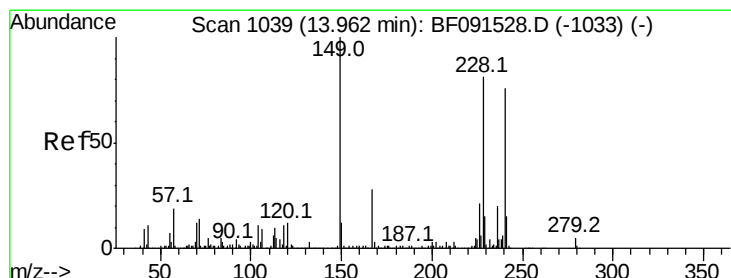
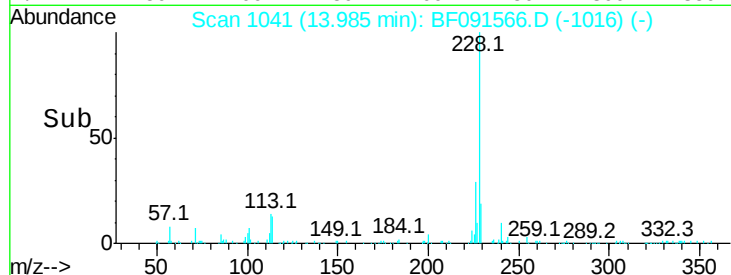
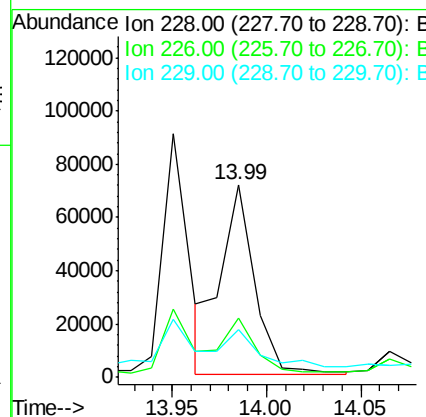
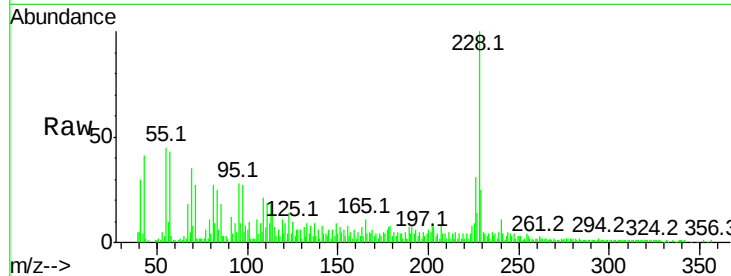
ClientSampleId :

SB-47(6-8)-12-8-16

Tot Ion:	228	Resp:	88142
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.4
229	24.6	16.0	24.0#

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.52 ng/mL

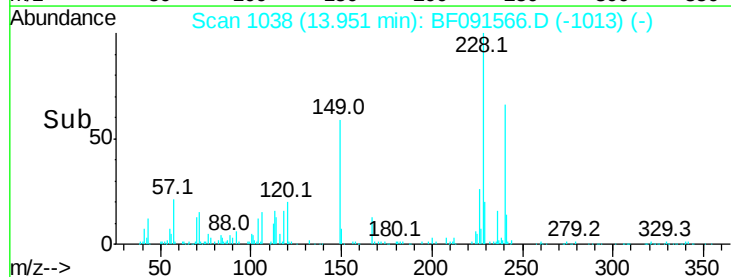
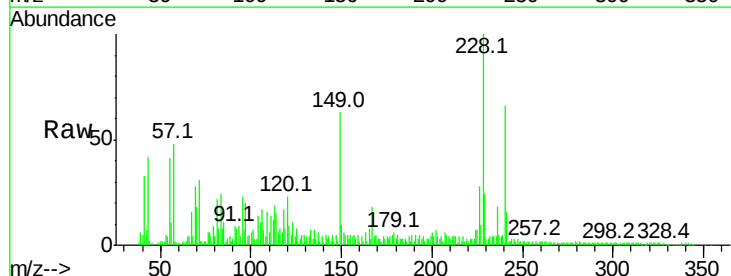
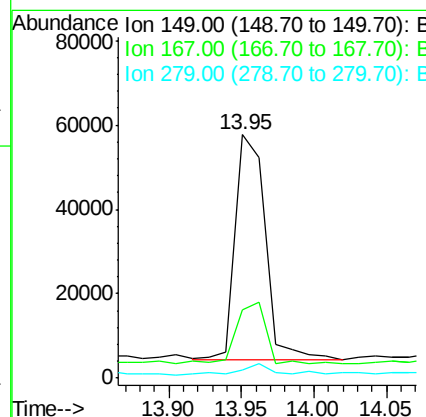
RT: 13.95 min Scan# 1038

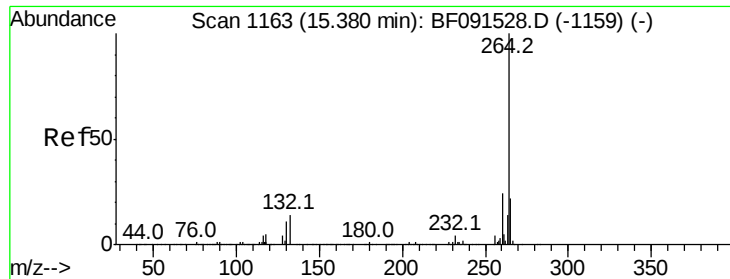
Delta R.T. -0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Tgt Ion:	149	Resp:	77051
Ion Ratio	Lower	Upper	
149	100		
167	27.8	19.6	29.4
279	3.1	1.9	2.9#





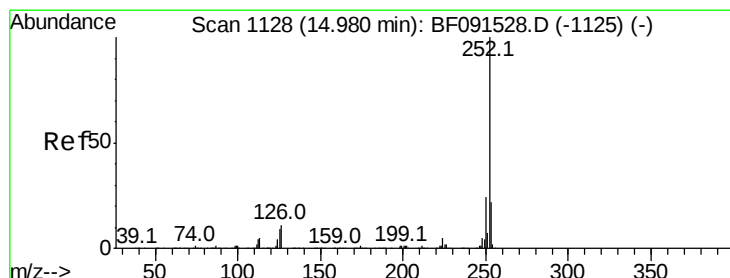
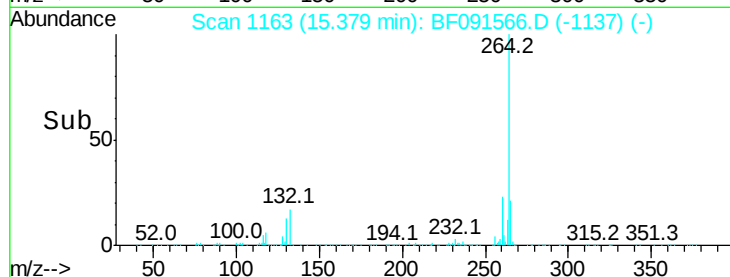
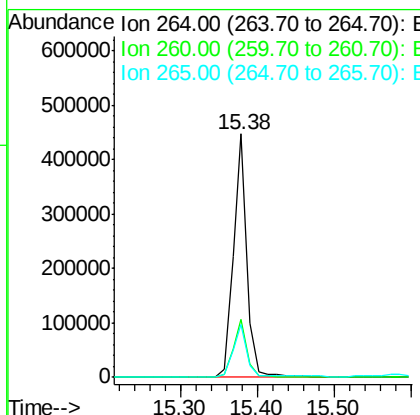
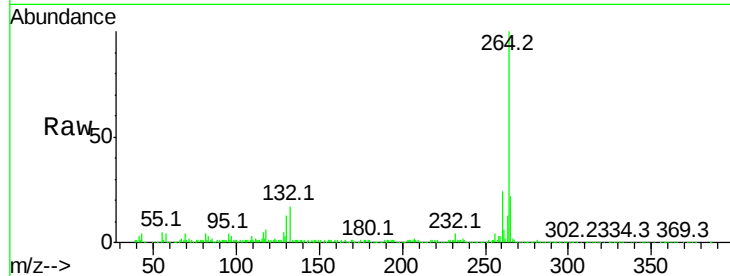
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Instrument :
BNA_F
ClientSampleId :
SB-47(6-8)-12-8-16

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.7	17.0	25.6

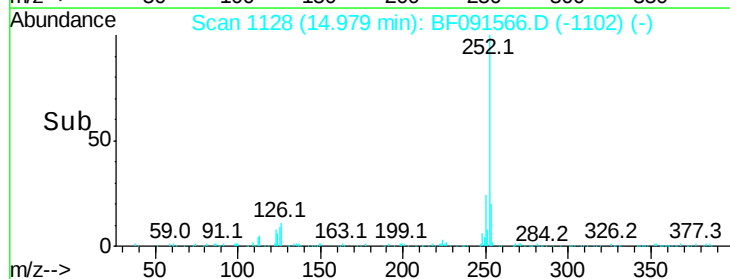
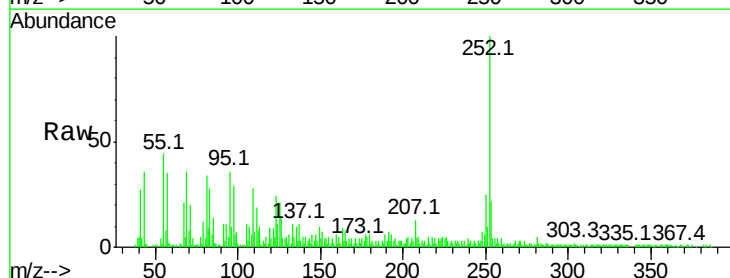
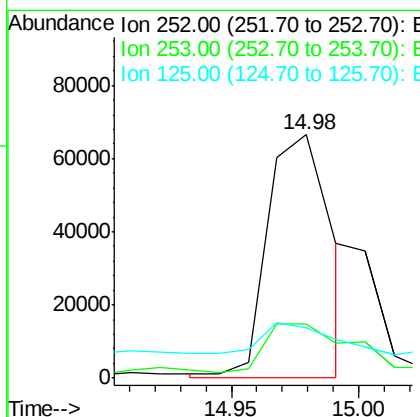
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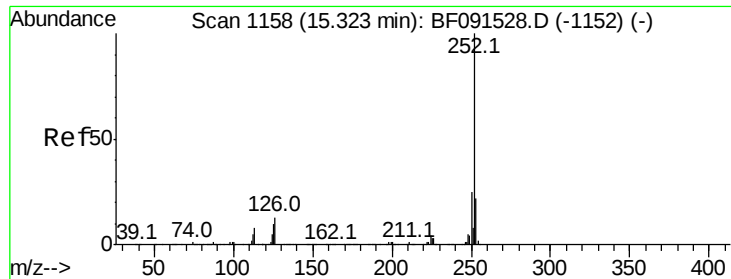
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#87
Benzo(b)fluoranthene
Concen: 3.50 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF091566.D
Acq: 13 Dec 2016 20:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	20.6	8.6	13.0#





#89

Benzo(a)pyrene

Concen: 2.49 ng

RT: 15.31 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF091566.D

Acq: 13 Dec 2016 20:52

Instrument :

BNA_F

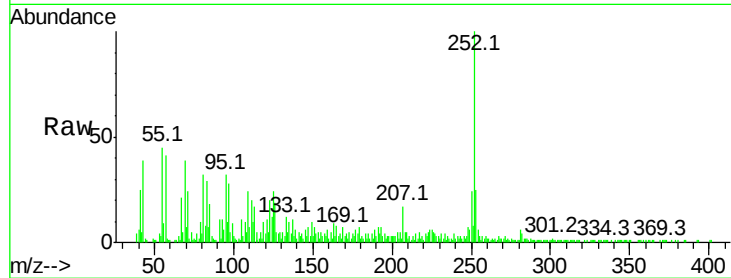
ClientSampleId :

SB-47(6-8)-12-8-16

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.6	18.2	27.4
125	23.8	10.4	15.6

Manual Integrations
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Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

