

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086288.D
 Acq On : 18 Apr 2016 18:10
 Operator : UM/SJ
 Sample : H2413-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-G-7(0-2)

Manual Integrations
 APPROVED

Sohil
 4/19/2016 6:22:45 PM

Quant Time: Apr 19 13:10:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	355620	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	1299313	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	536523	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	787531	20.00	ng	0.00
75) Chrysene-d12	14.04	240	568840	20.00	ng	-0.01
86) Perylene-d12	15.48	264	519772	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1894907	87.31	ng	0.01
7) Phenol-d6	6.52	99	2665234	98.17	ng	0.00
23) Nitrobenzene-d5	7.45	82	1547510	68.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	366650	85.10	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1925084	66.21	ng	-0.01
78) Terphenyl-d14	12.99	244	1057342	46.74	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.64	163	337143	8.64	ng	99
70) Phenanthrene	11.44	178	665022	17.68	ng	98
71) Anthracene	11.48	178	187001	3.24	ng	96
72) Carbazole	11.63	167	78831	2.20	ng	97
74) Fluoranthene	12.61	202	1002084	28.94	ng	96
77) Pyrene	12.84	202	866540	19.86	ng	99
80) Benzo(a)anthracene	14.03	228	539367	17.27	ng	99
82) Chrysene	14.07	228	387212	11.63	ng	96
85) Indeno(1,2,3-cd)pyrene	16.88	276	190819	6.97	ng	98
87) Benzo(b)fluoranthene	15.06	252	603817m	18.83	ng	
88) Benzo(k)fluoranthene	15.08	252	136634m	4.67	ng	
89) Benzo(a)pyrene	15.41	252	362040	13.03	ng	97
91) Benzo(a,h,i)perylene	17.30	276	176843	6.78	ng	96

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

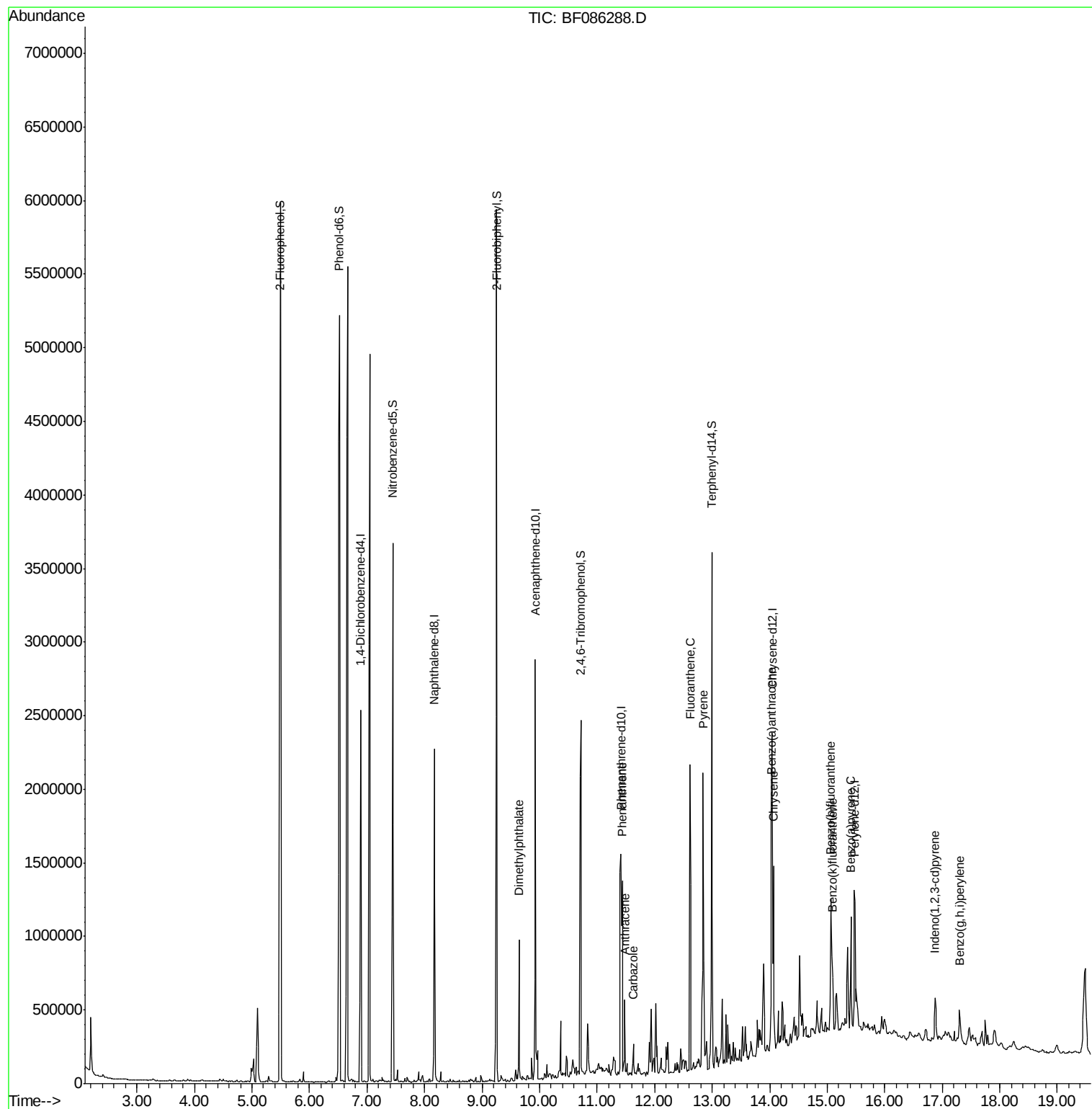
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
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ALS Vial : 11 Sample Multiplier: 1

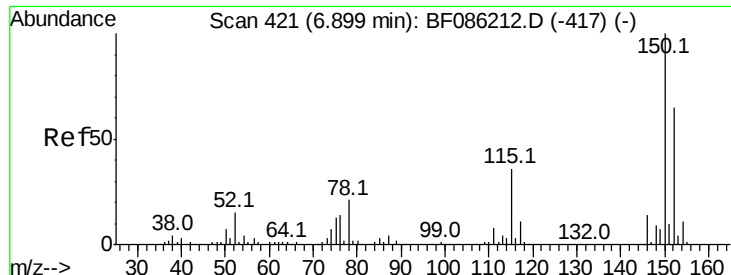
Instrument :
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SP-2-G-7(0-2)

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#1

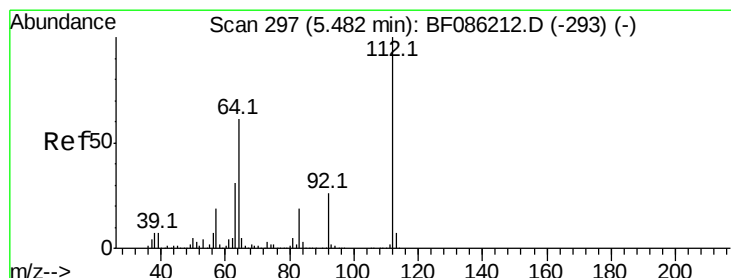
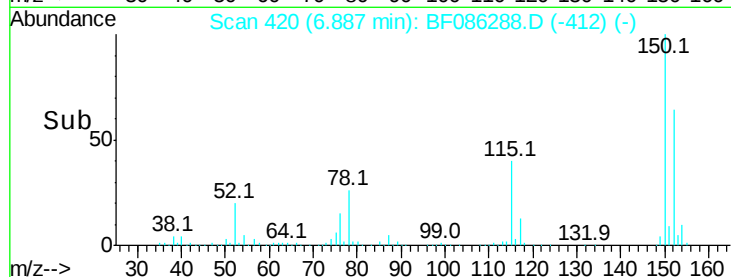
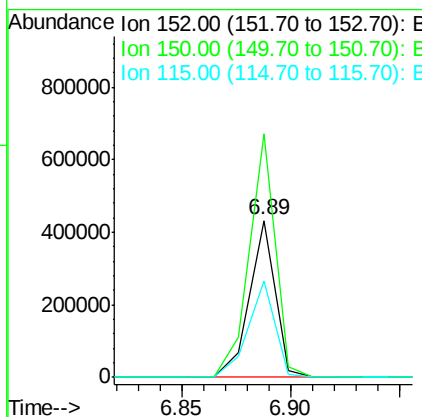
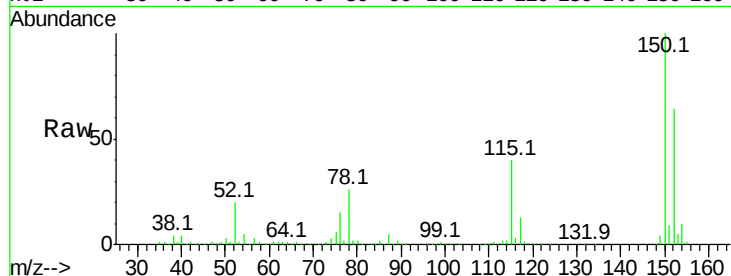
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Instrument :
BNA_F
ClientSampleId :
SP-2-G-7(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.1	186.1
115	61.4	43.9	65.9

Manual Integrations
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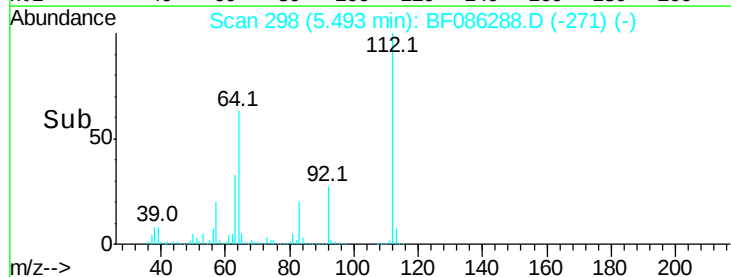
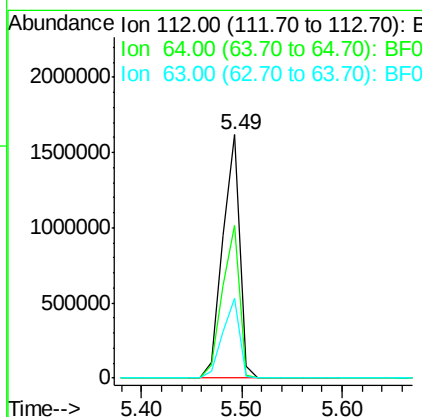
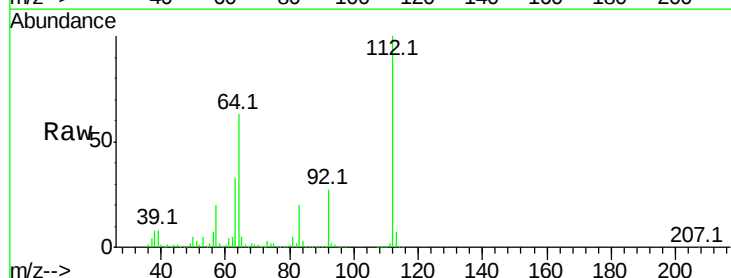
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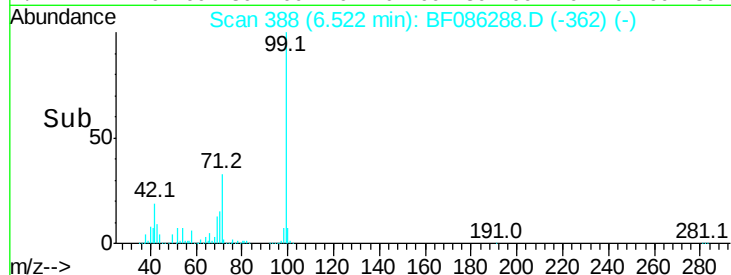
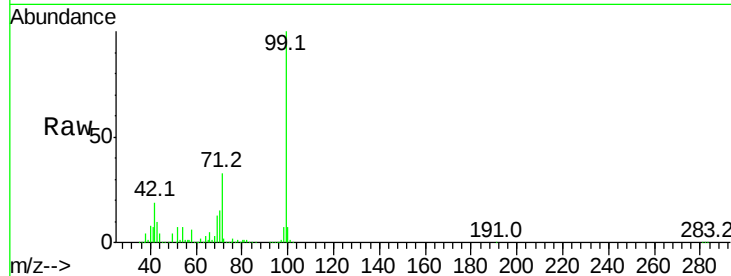
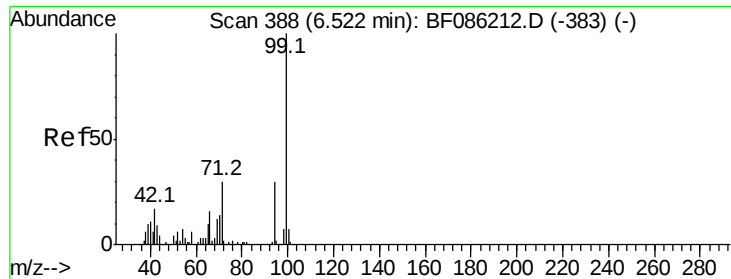


#5

2-Fluorophenol
Concen: 87.31 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	48.1	72.1
63	32.9	25.5	38.3





#7

Phenol-d6

Concen: 98.17 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Tot Ion: 99 Resp: 2665234

Ion Ratio Lower Upper

99 100

42 19.2 15.4 23.2

71 33.1 25.6 38.4

Instrument :

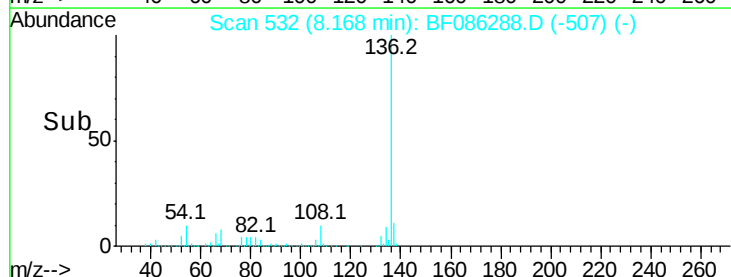
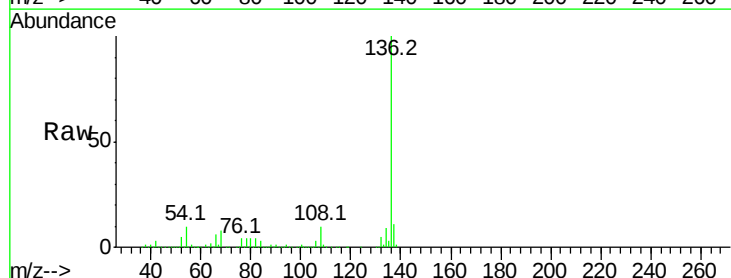
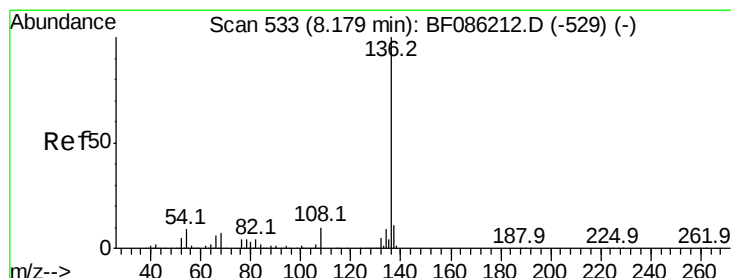
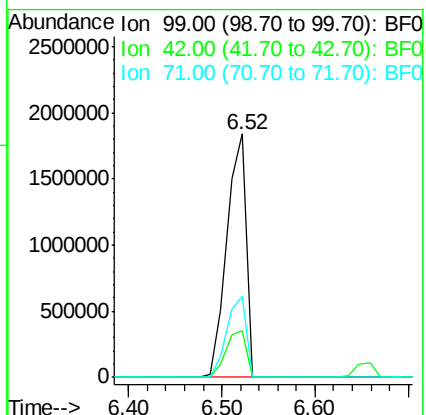
BNA_F

ClientSampleId :

SP-2-G-7(0-2)

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Tgt Ion:136 Resp: 1299313

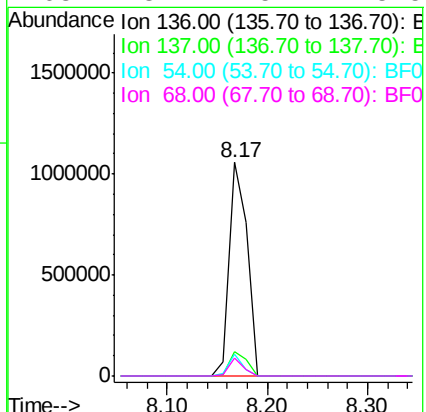
Ion Ratio Lower Upper

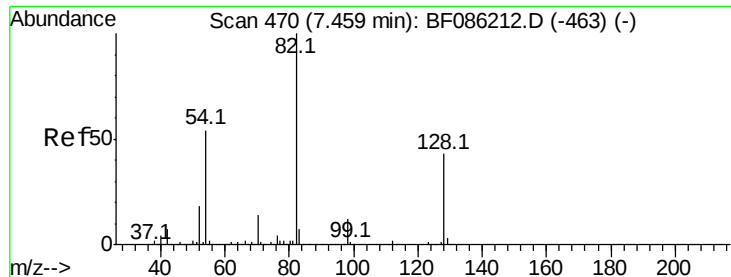
136 100

137 11.4 9.1 13.7

54 10.0 7.3 10.9

68 8.2 5.7 8.5





#23

Nitrobenzene-d5

Concen: 68.70 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

ClientSampleId :

SP-2-G-7(0-2)

Tot Ion: 82 Resp: 1547510

Ion Ratio Lower Upper

82 100

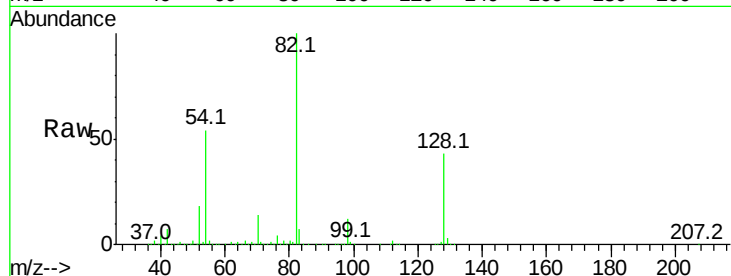
128 43.4 35.4 53.2

54 54.5 43.4 65.0

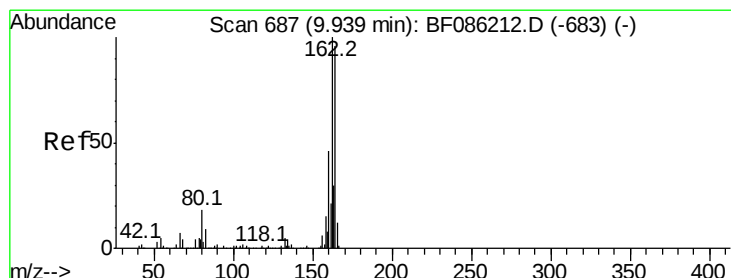
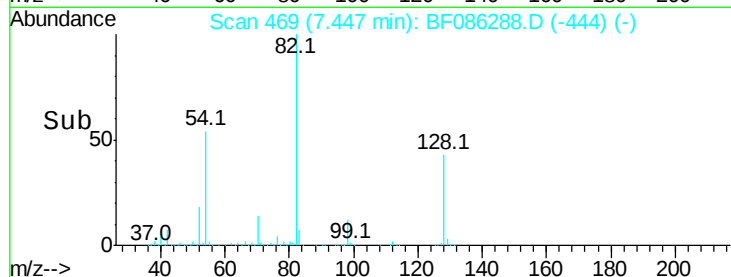
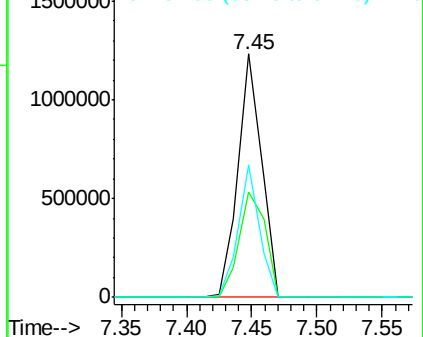
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

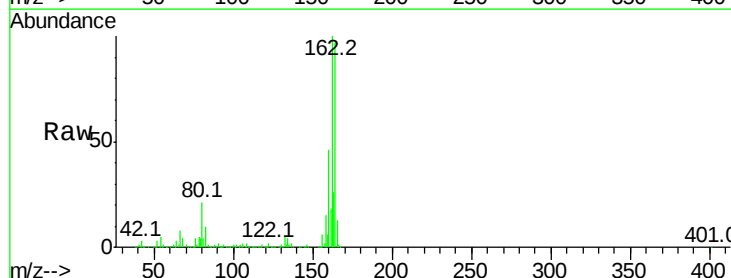
Tgt Ion: 164 Resp: 536523

Ion Ratio Lower Upper

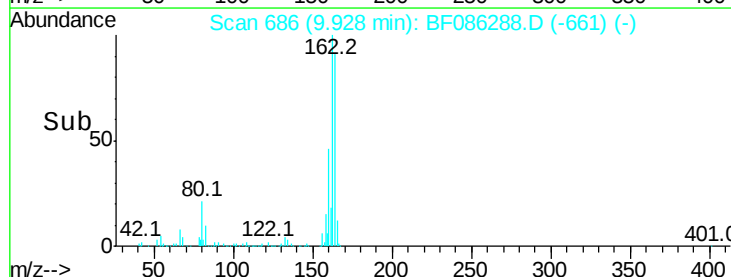
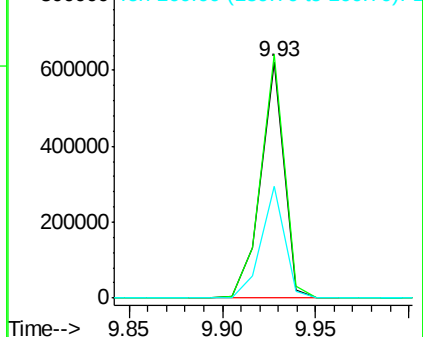
164 100

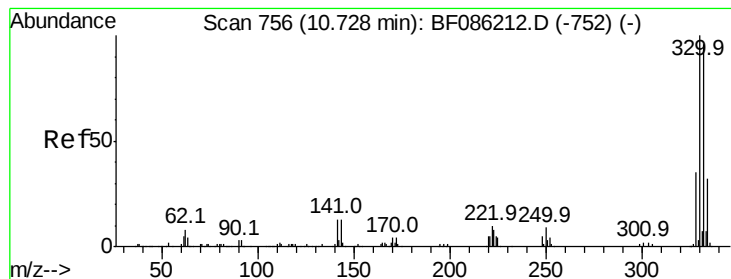
162 103.0 82.8 124.2

160 47.3 38.9 58.3



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





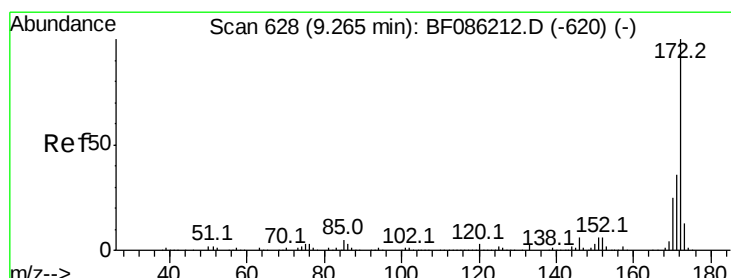
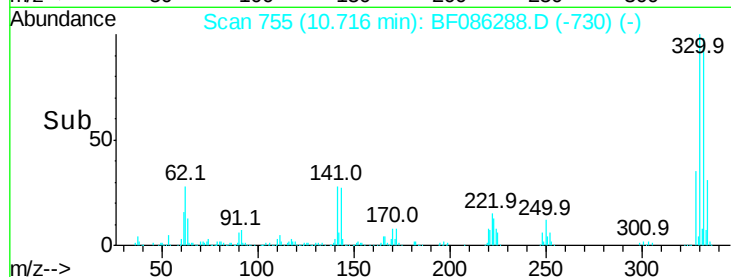
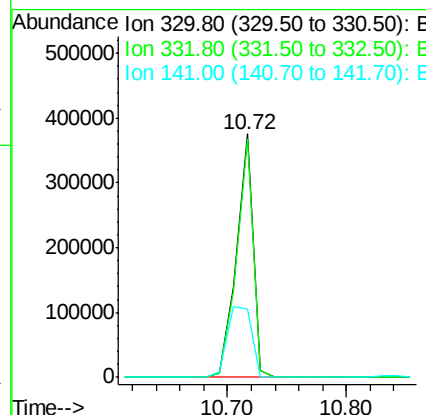
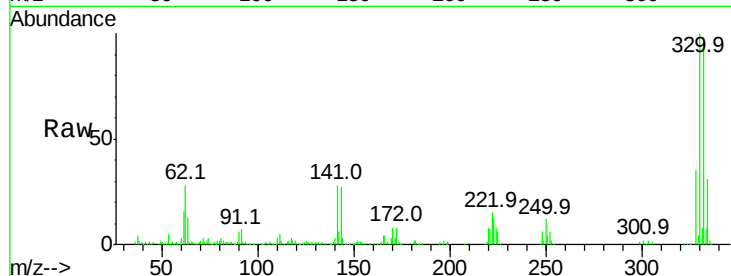
#41
 2,4,6-Tribromophenol
 Concen: 85.10 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086288.D
 Acq: 18 Apr 2016 18:10

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-G-7(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	366650		
332	97.3	78.7	118.1	
141	42.0	28.6	42.8	

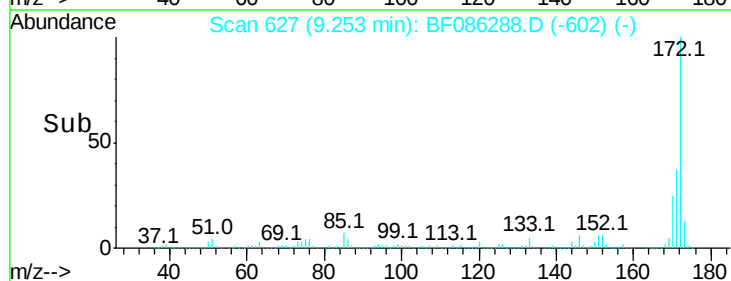
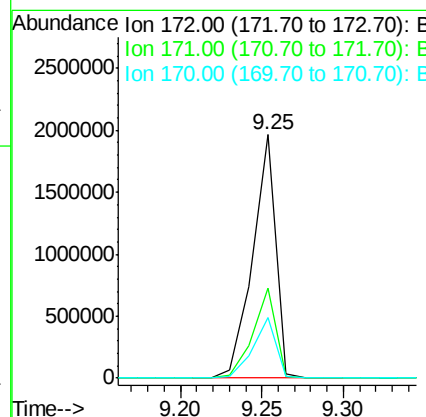
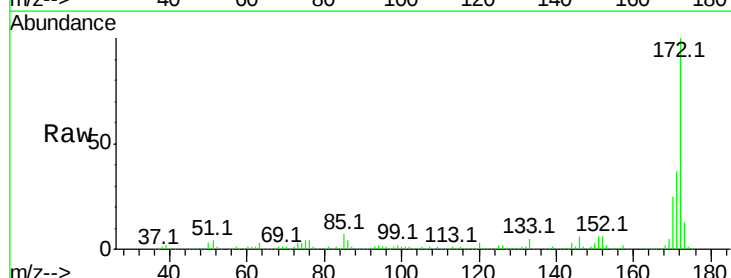
Manual Integrations
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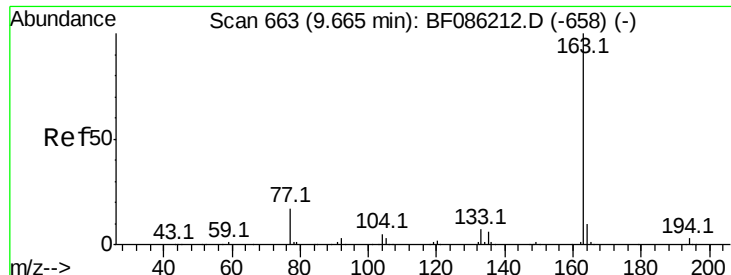
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#44
 2-Fluorobiphenyl
 Concen: 66.21 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086288.D
 Acq: 18 Apr 2016 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1925084		
171	37.2	29.1	43.7	
170	24.9	19.9	29.9	





#49

Dimethylphthalate

Concen: 8.64 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

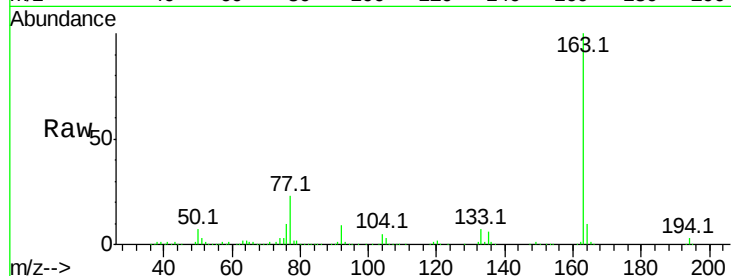
ClientSampleId :

SP-2-G-7(0-2)

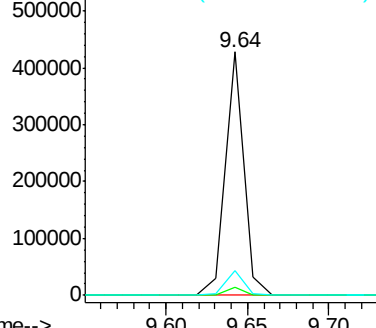
Tot Ion:	163	Resp:	337143
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.3	8.4	12.6

Manual Integrations
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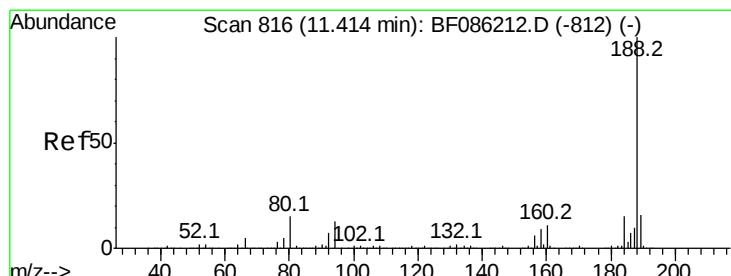
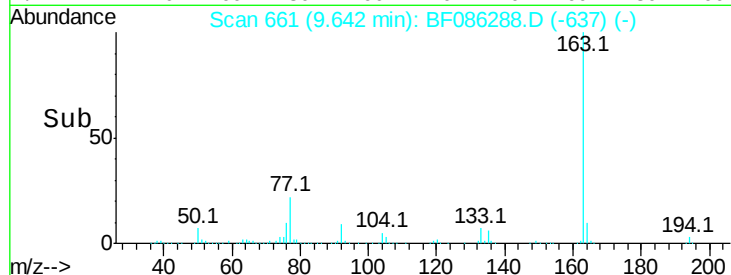
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

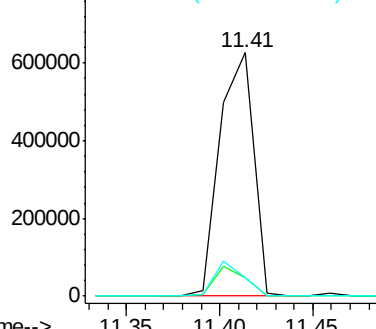
Delta R.T. 0.00 min

Lab File: BF086288.D

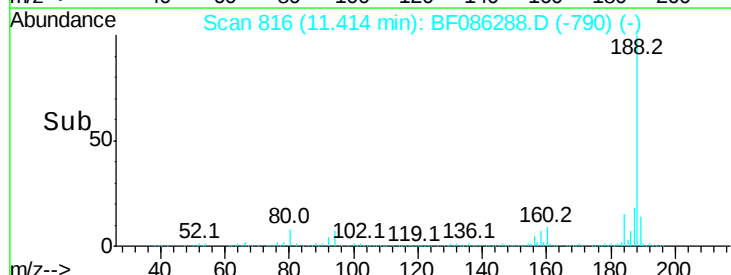
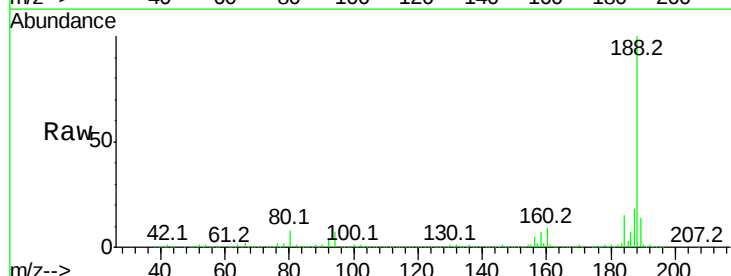
Acq: 18 Apr 2016 18:10

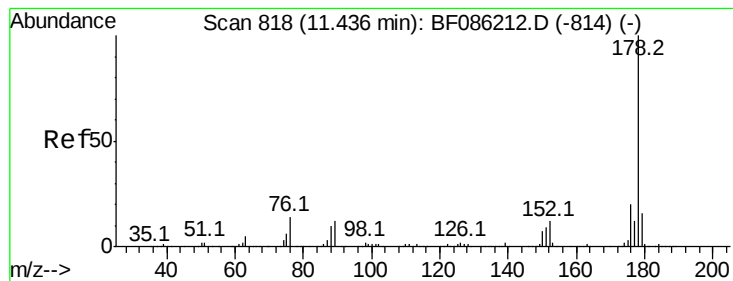
Tgt Ion:	188	Resp:	787531
Ion Ratio	Lower	Upper	
188	100		
94	7.4	9.8	14.8#
80	7.6	10.5	15.7#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



Time-->





#70

Phenanthrene

Concen: 17.68 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

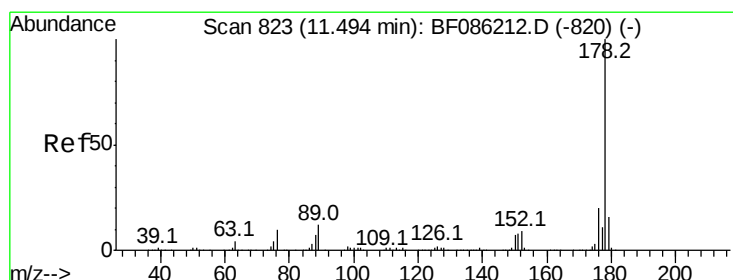
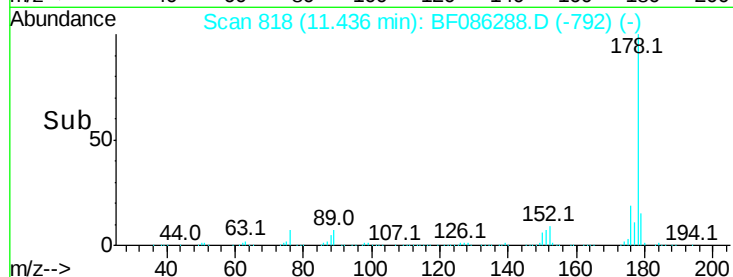
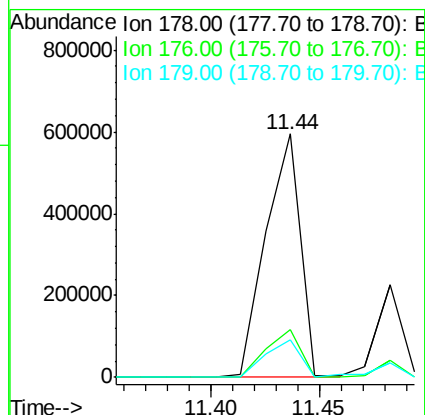
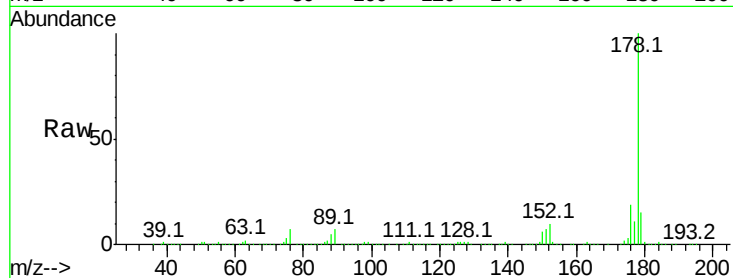
ClientSampleId :

SP-2-G-7(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.3	24.5
179	15.5	13.0	19.6

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#71

Anthracene

Concen: 3.24 ng

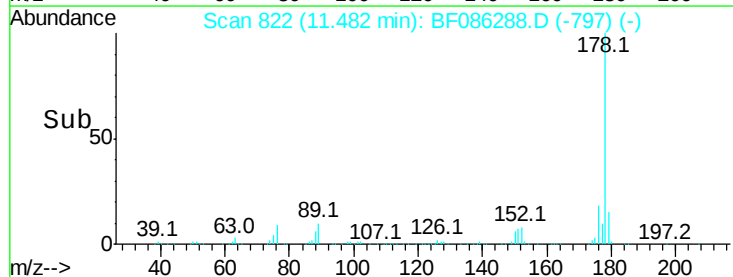
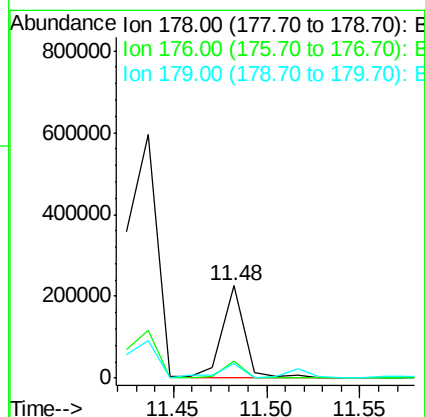
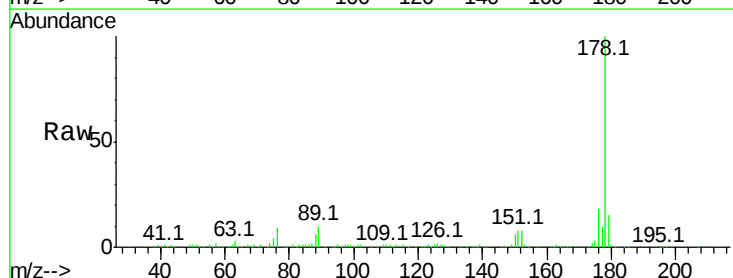
RT: 11.48 min Scan# 822

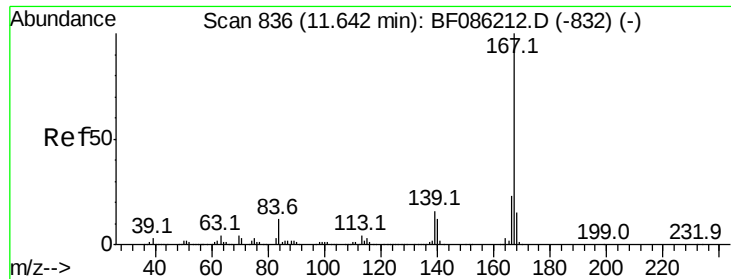
Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.4
179	15.2	13.2	19.8





#72

Carbazole

Concen: 2.20 ng

RT: 11.63 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

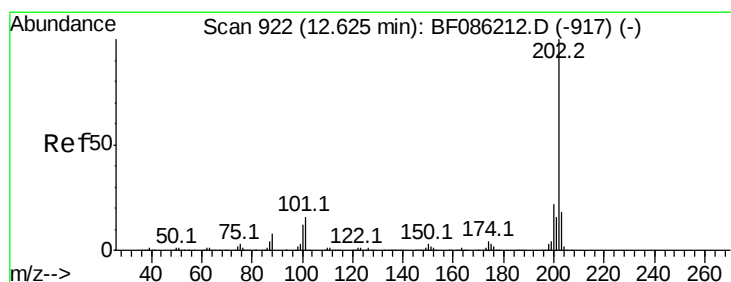
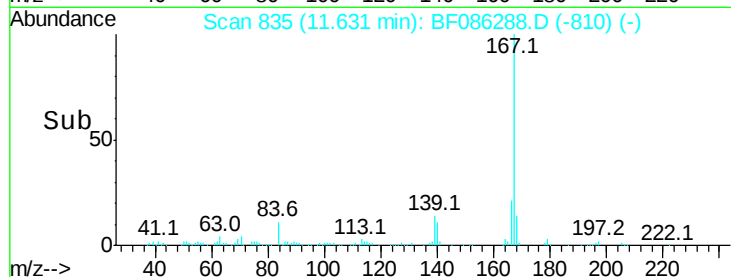
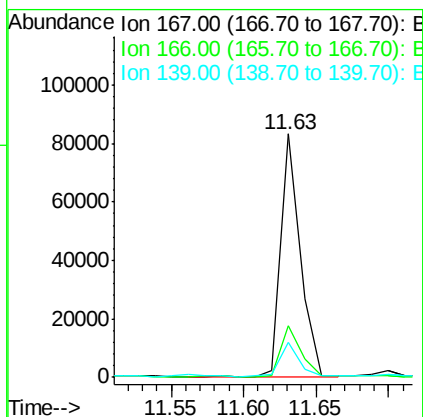
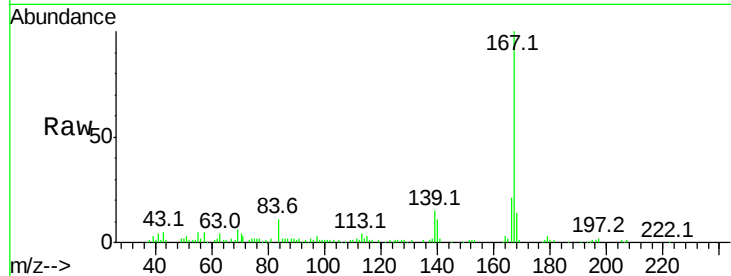
ClientSampleId :

SP-2-G-7(0-2)

Tot Ion:	167	Resp:	78831
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.3	27.5
139	14.6	12.3	18.5

Manual Integrations
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#74

Fluoranthene

Concen: 28.94 ng

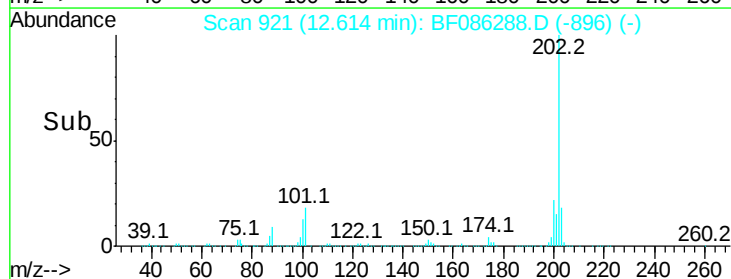
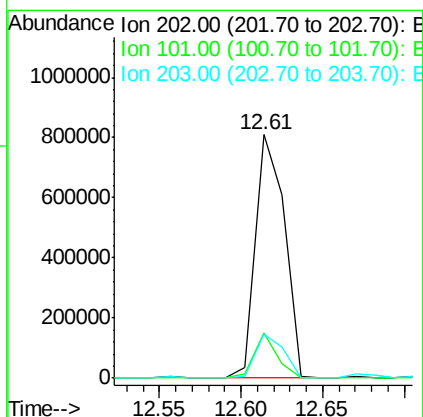
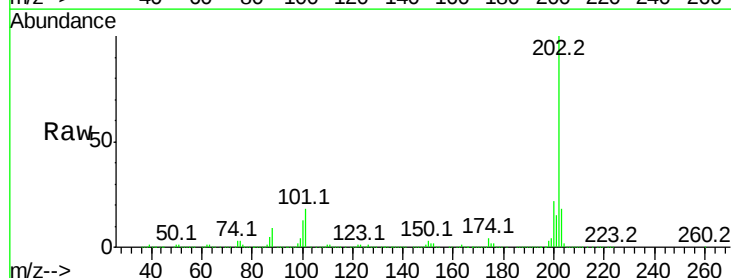
RT: 12.61 min Scan# 921

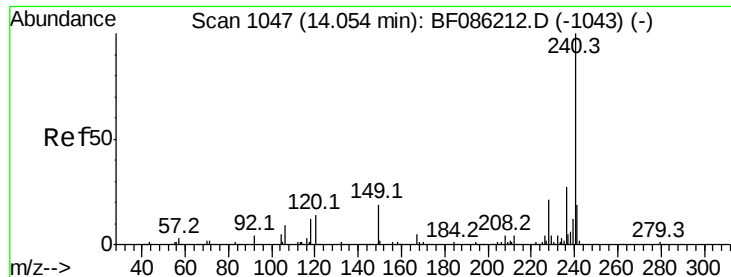
Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Tgt Ion:	202	Resp:	1002084
Ion Ratio	Lower	Upper	
202	100		
101	18.4	0.0	35.2
203	18.2	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

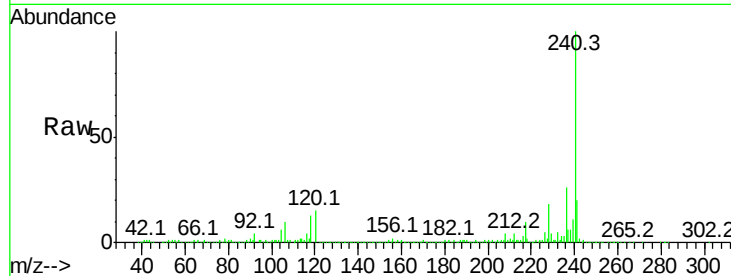
ClientSampleId :

SP-2-G-7(0-2)

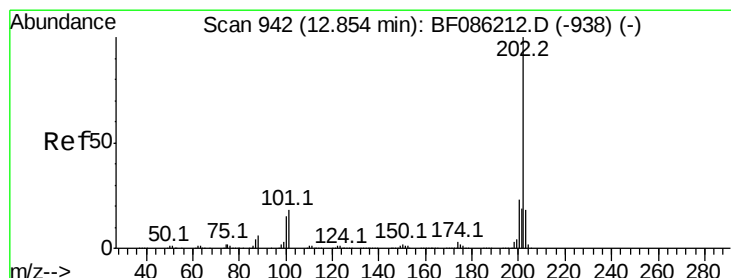
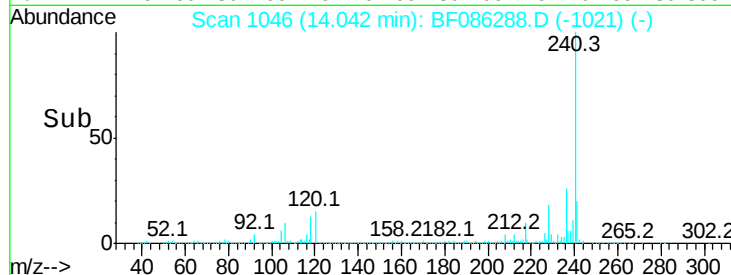
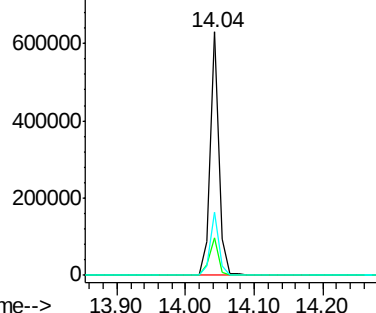
Tot Ion:	240	Resp:	568840
Ion Ratio	Lower	Upper	
240	100		
120	15.4	9.3	13.9#
236	26.0	21.1	31.7

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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



#77

Pyrene

Concen: 19.86 ng

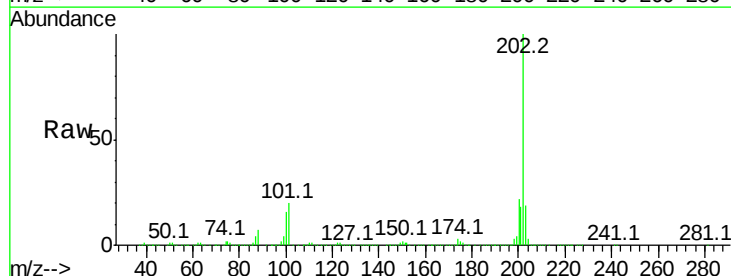
RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

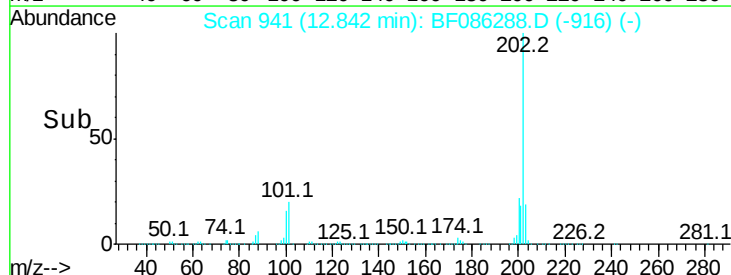
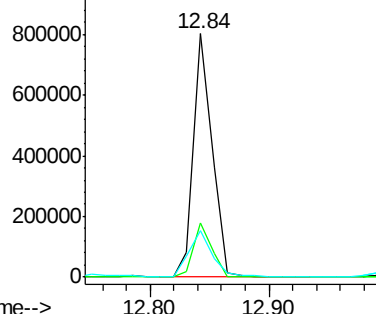
Lab File: BF086288.D

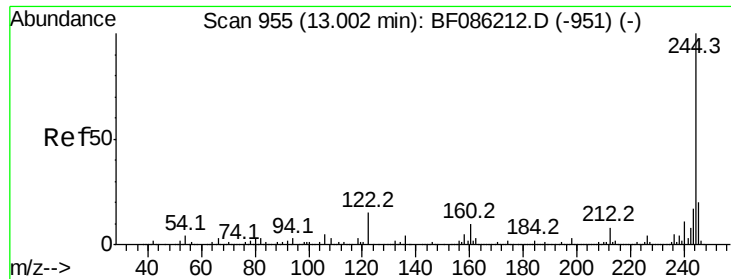
Acq: 18 Apr 2016 18:10

Tgt Ion:	202	Resp:	866540
Ion Ratio	Lower	Upper	
202	100		
200	22.1	18.3	27.5
203	19.1	14.9	22.3



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: 46.74 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

ClientSampled :

SP-2-G-7(0-2)

Tot Ion:244 Resp: 1057342

Ion Ratio Lower Upper

244 100

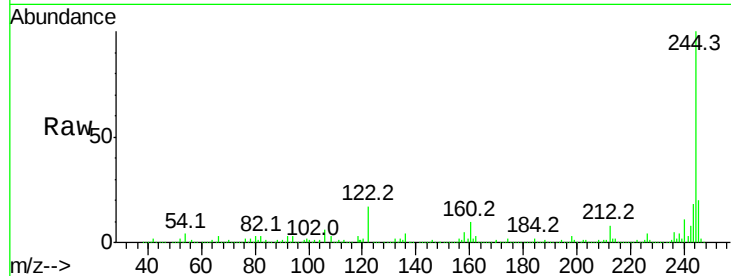
212 7.7 6.4 9.6

122 17.0 11.7 17.5

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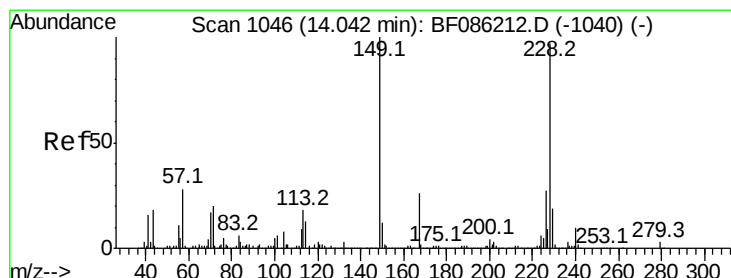
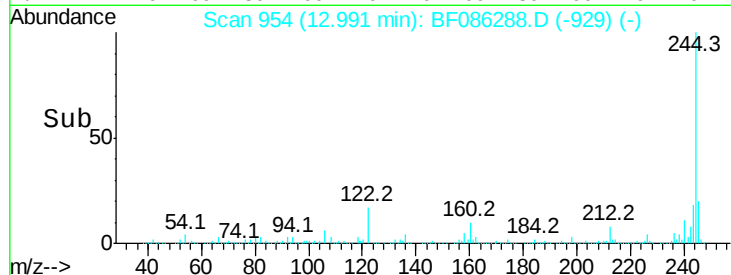
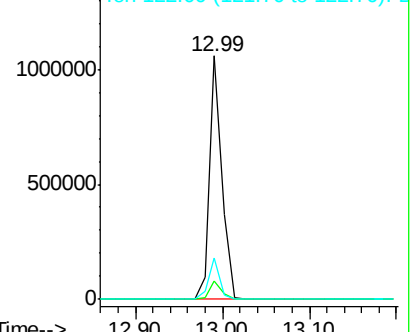
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 17.27 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

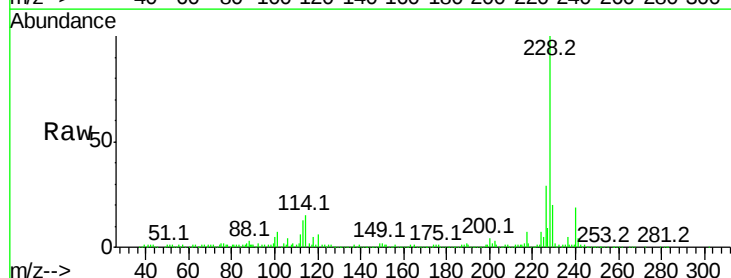
Tgt Ion:228 Resp: 539367

Ion Ratio Lower Upper

228 100

226 28.9 22.5 33.7

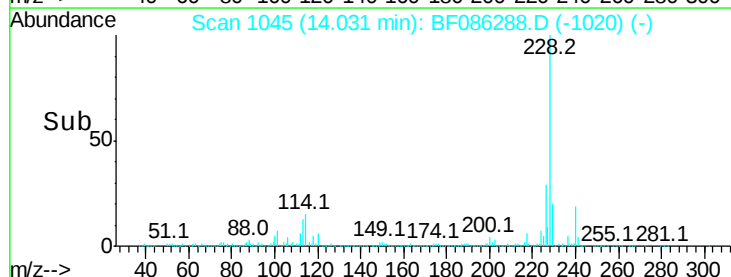
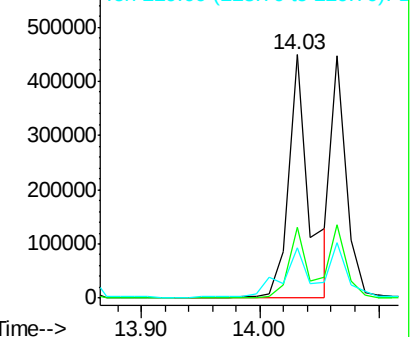
229 20.5 16.2 24.2

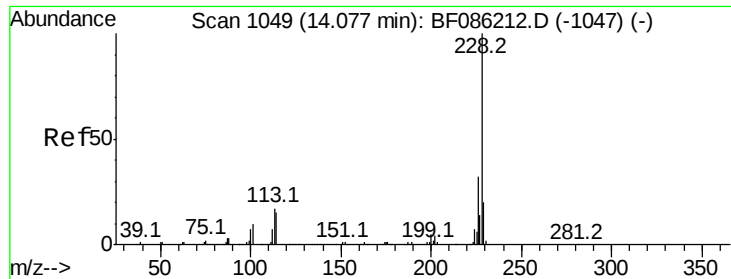


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





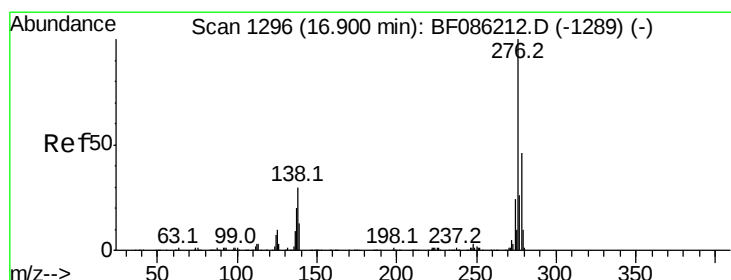
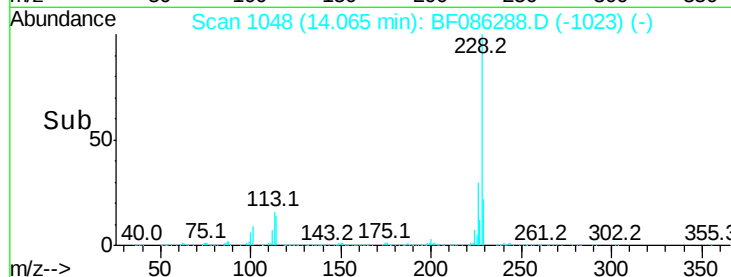
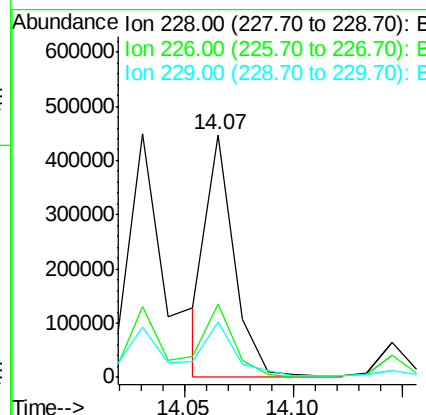
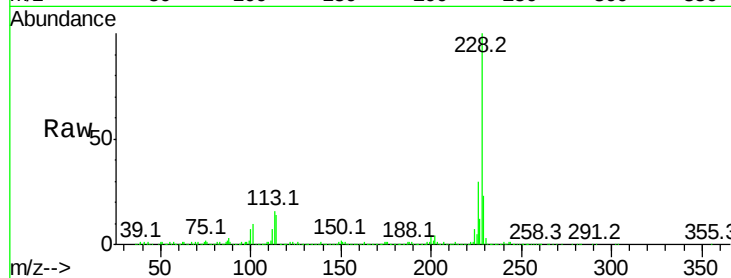
#82
Chrysene
Concen: 11.63 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Instrument :
BNA_F
ClientSampleId :
SP-2-G-7(0-2)

Tot Ion:	228	Resp:	387212
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.2
229	22.6	16.5	24.7

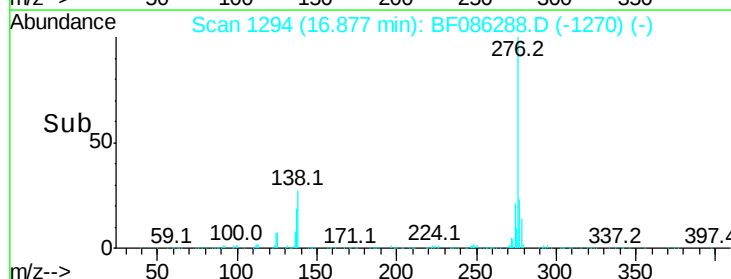
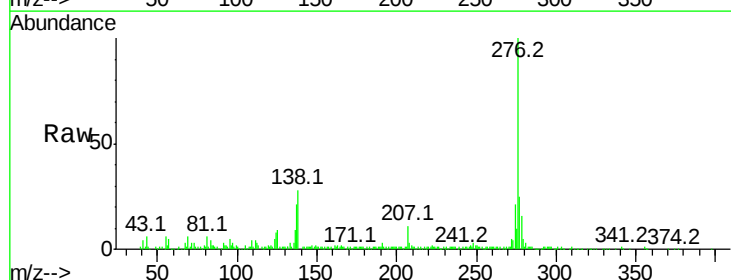
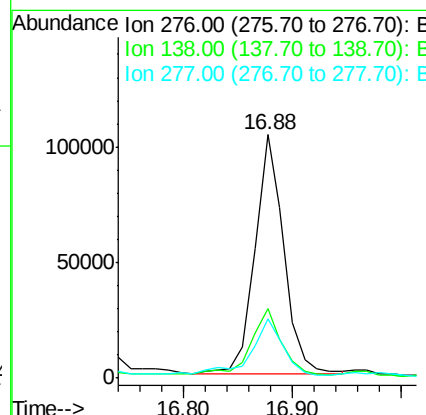
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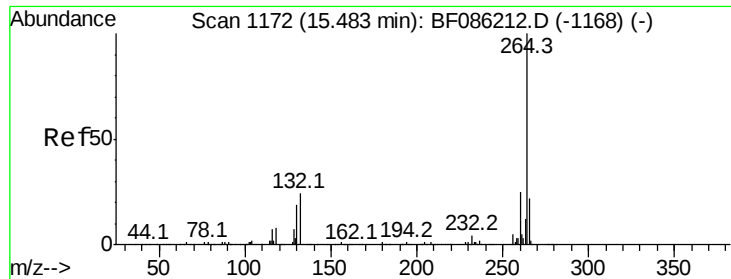
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.97 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Tgt Ion:	276	Resp:	190819
Ion Ratio	Lower	Upper	
276	100		
138	30.1	23.8	35.6
277	27.2	20.2	30.2





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

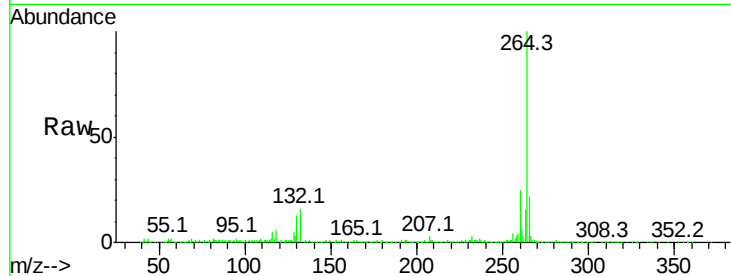
ClientSampleId :

SP-2-G-7(0-2)

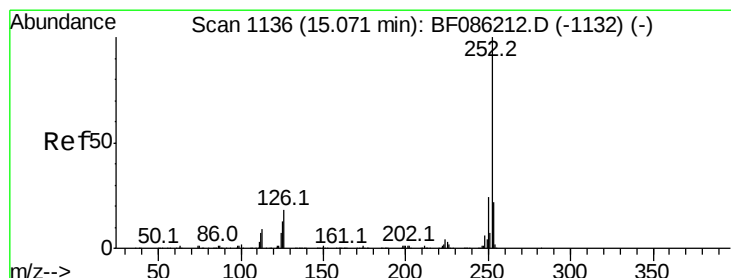
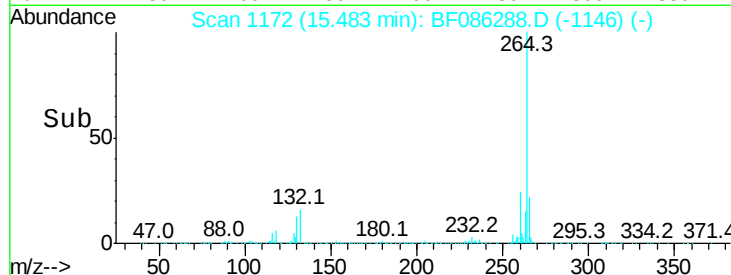
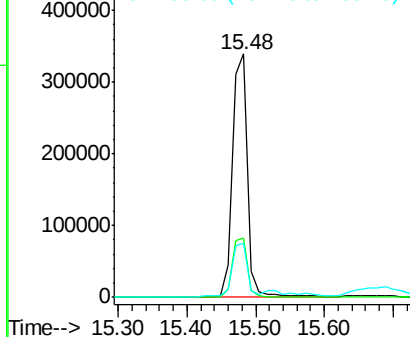
Tot Ion:	264	Resp:	519772
Ion Ratio	Lower	Upper	
264	100		
260	24.6	20.0	30.0
265	22.4	17.4	26.0

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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: 18.83 ng m

RT: 15.06 min Scan# 1135

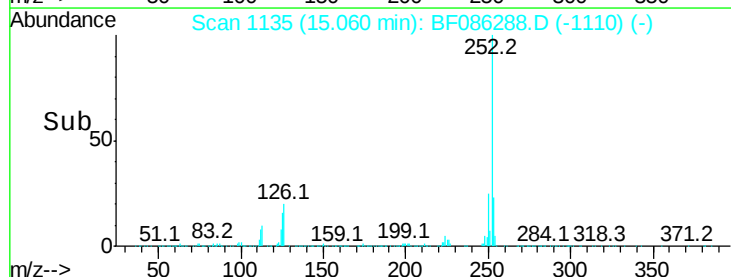
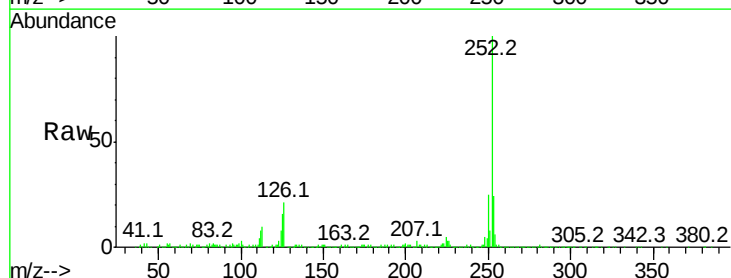
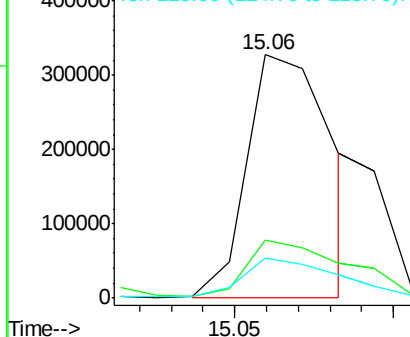
Delta R.T. -0.01 min

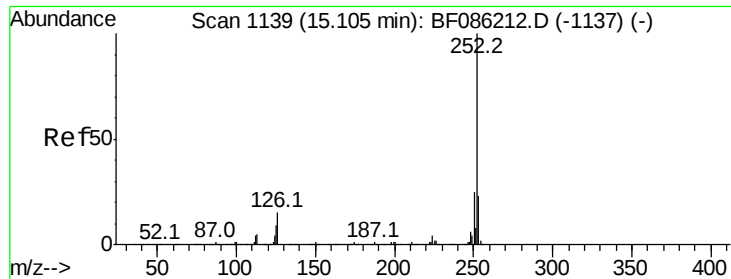
Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Tgt Ion:	252	Resp:	603817
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.7	26.5
125	16.5	10.3	15.5#

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





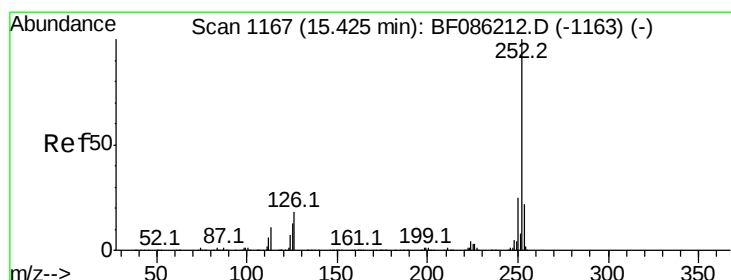
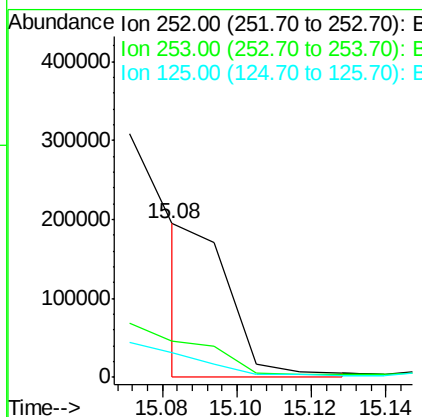
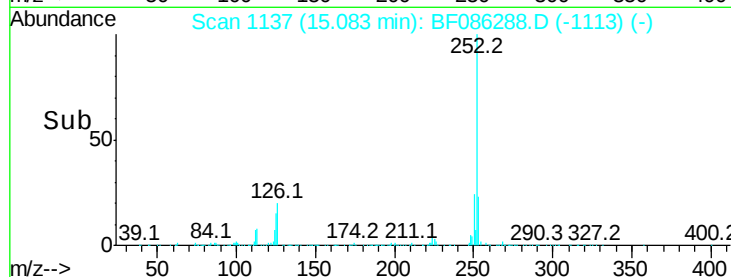
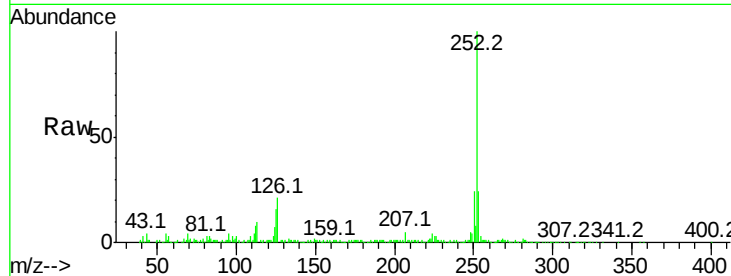
#88
Benzo(k)fluoranthene
Concen: 4.67 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Instrument :
BNA_F
ClientSampleId :
SP-2-G-7(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	16.2	7.8	11.6

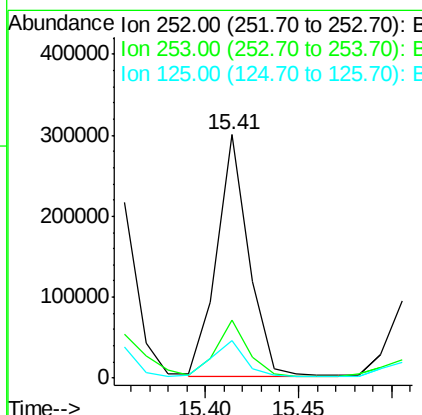
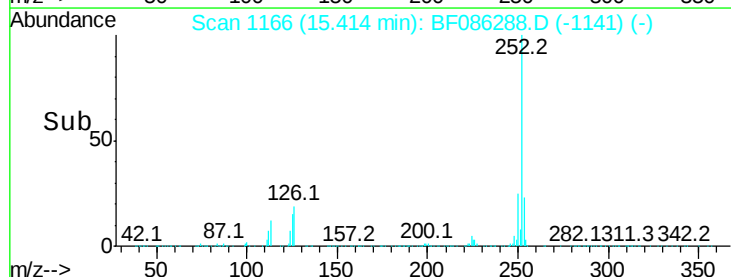
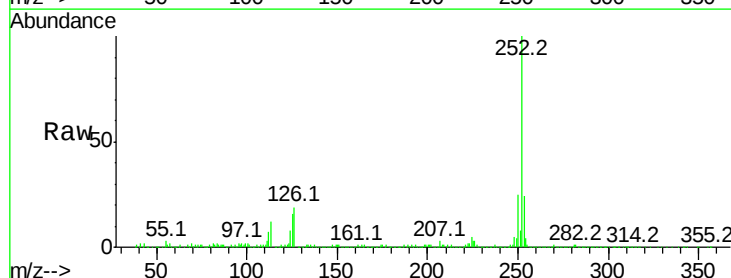
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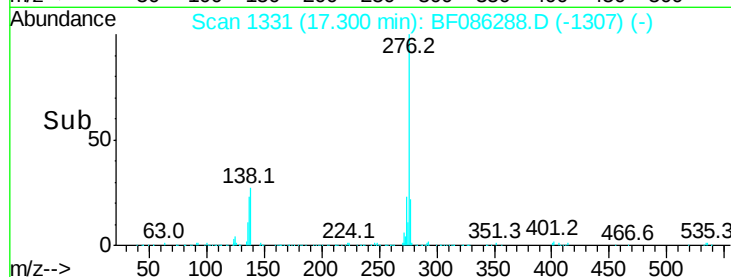
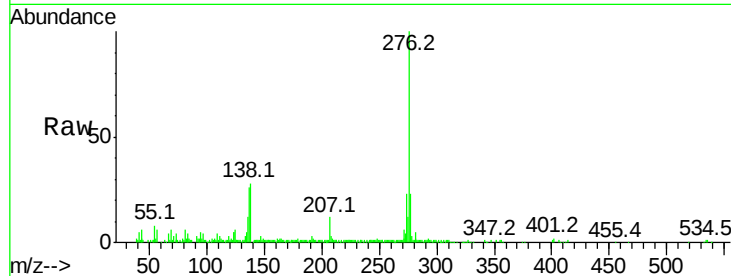
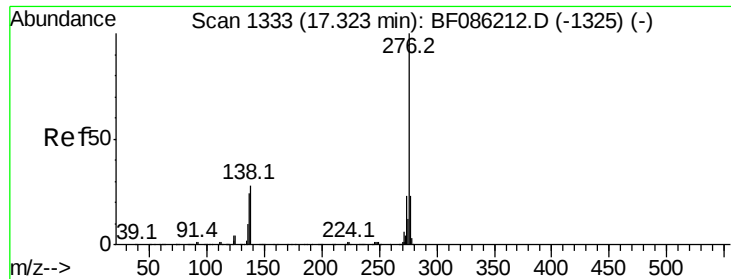
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#89
Benzo(a)pyrene
Concen: 13.03 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	15.6	11.2	16.8





#91

Benzo(a,h,i)perylene

Concen: 6.78 ng

RT: 17.30 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

ClientSampleId :

SP-2-G-7(0-2)

Tot Ion:	276	Resp:	176843
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.0	28.6
138	28.3	19.6	29.4

Manual Integrations
APPROVED

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