

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
 Data File : BF086271.D
 Acq On : 16 Apr 2016 17:41
 Operator : UM/SJ
 Sample : H2413-03 2X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-3(0-2)

Manual Integrations
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Sohil
 4/18/2016 7:34:47 PM

Quant Time: Apr 18 18:02:35 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	6.90	152	292534	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1184178	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	470973	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	683184	20.00	ng	0.00
75) Chrysene-d12	14.05	240	502448	20.00	ng	0.00
86) Perylene-d12	15.49	264	430577	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1265588	70.88	ng	0.00
7) Phenol-d6	6.52	99	1735957	77.73	ng	0.00
23) Nitrobenzene-d5	7.46	82	1070765	52.15	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	227484	60.15	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1301081	50.98	ng	-0.01
78) Terphenyl-d14	13.00	244	798734	39.97	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.65	163	278292	8.13	ng	98
70) Phenanthrene	11.44	178	449641	13.78	ng	99
71) Anthracene	11.49	178	137733	2.64	ng	97
74) Fluoranthene	12.62	202	627608	19.11	ng	99
77) Pyrene	12.85	202	593768	15.40	ng	98
80) Benzo(a)anthracene	14.04	228	300533	10.90	ng	96
82) Chrysene	14.08	228	311992	10.61	ng	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	149047	6.17	ng	98
87) Benzo(b)fluoranthene	15.07	252	425172m	16.01	ng	
88) Benzo(k)fluoranthene	15.09	252	84355m	3.48	ng	
89) Benzo(a)pyrene	15.43	252	272527	11.84	ng	94
91) Benzo(a,h,i)perylene	17.32	276	163874	7.58	ng	98

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

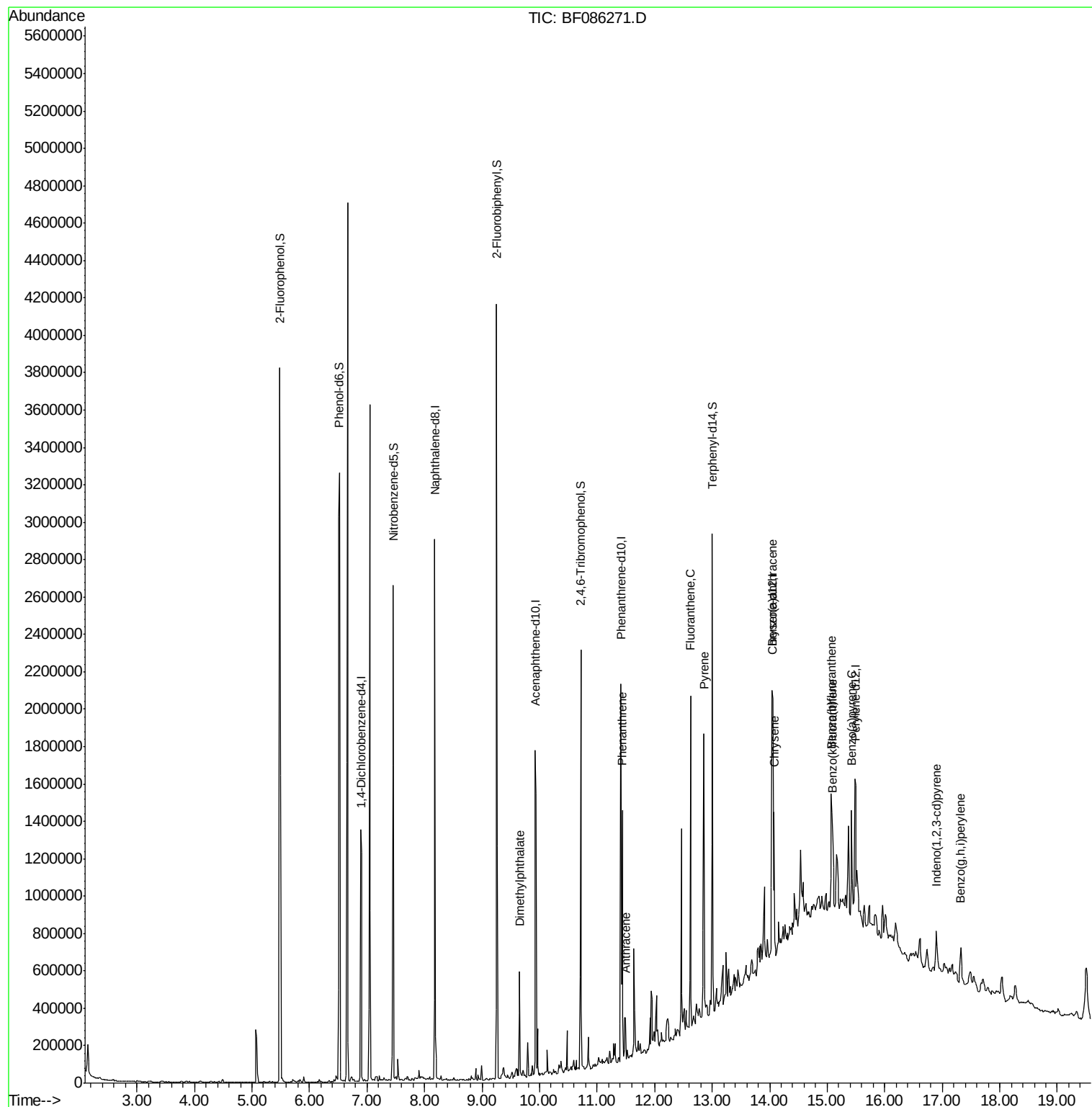
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086271.D
Acq On : 16 Apr 2016 17:41
Operator : UM/SJ
Sample : H2413-03 2X
Misc :
ALS Vial : 50 Sample Multiplier: 1

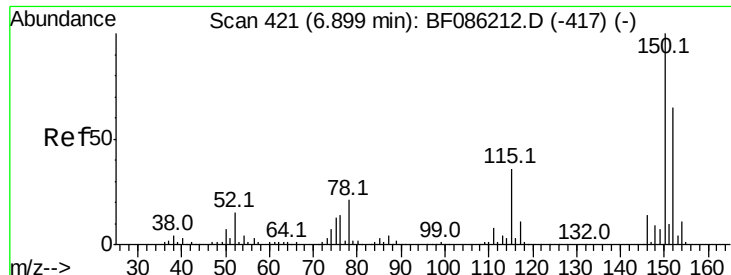
Instrument :
BNA_F
ClientSampleId :
SP-2-C-3(0-2)

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

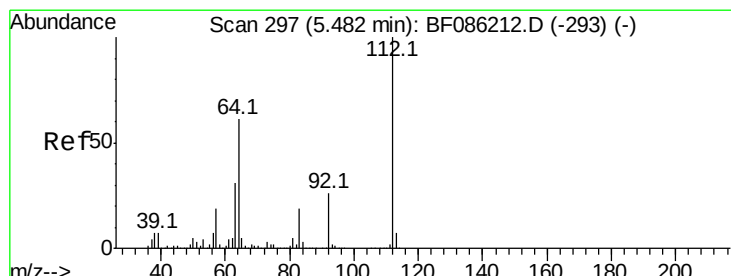
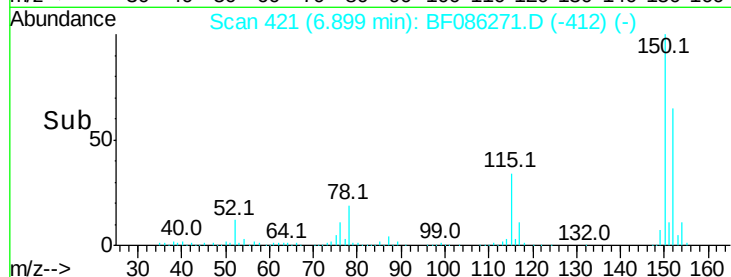
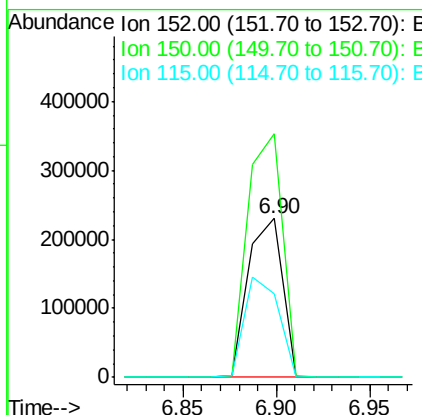
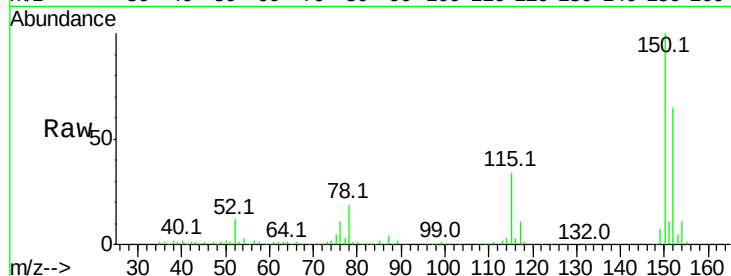
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-2-C-3(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	292534		
150	153.1	124.1	186.1	
115	52.7	43.9	65.9	

Manual Integrations
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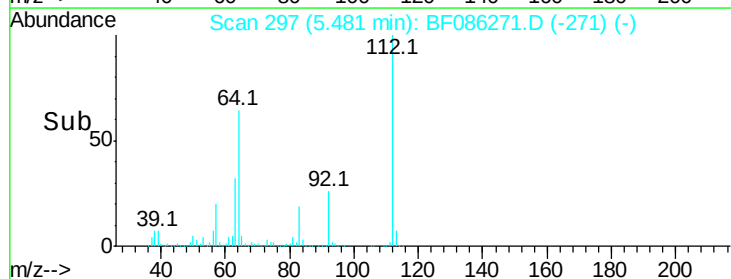
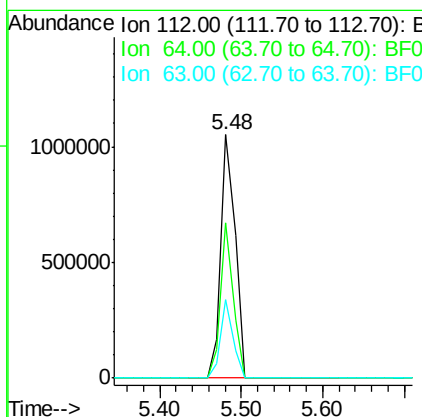
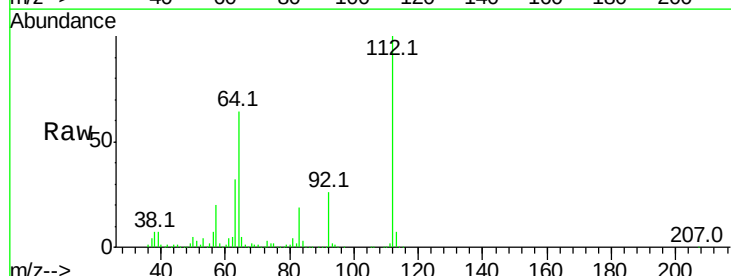
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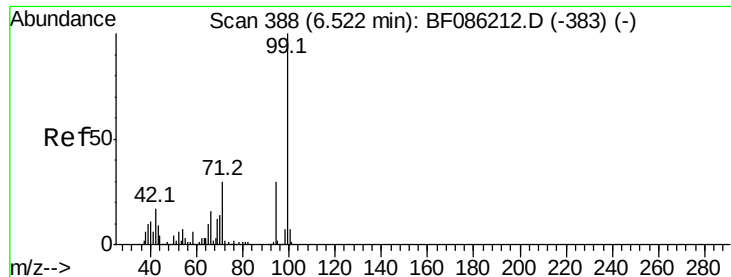


#5

2-Fluorophenol
Concen: 70.88 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1265588		
64	63.9	48.1	72.1	
63	32.2	25.5	38.3	





#7

Phenol-d6

Concen: 77.73 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

Tot Ion: 99 Resp: 1735957

Ion Ratio Lower Upper

99 100

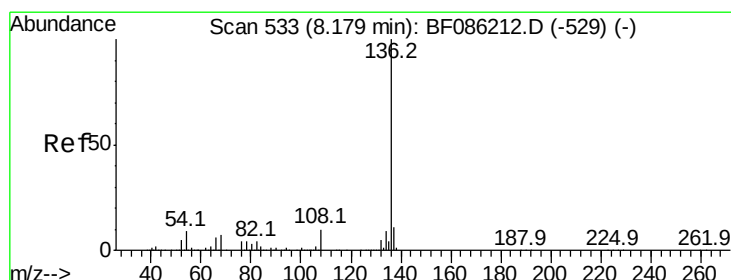
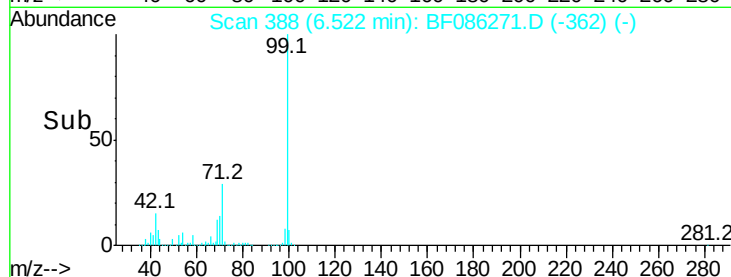
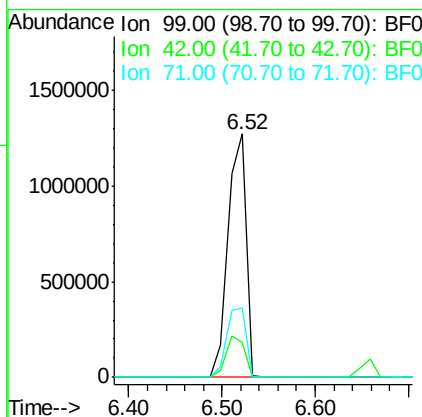
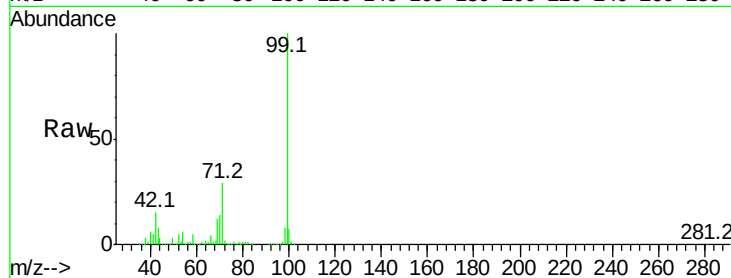
42 14.6 15.4 23.2#

71 28.8 25.6 38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Tgt Ion: 136 Resp: 1184178

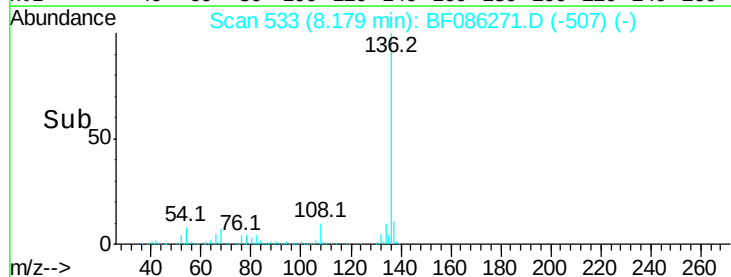
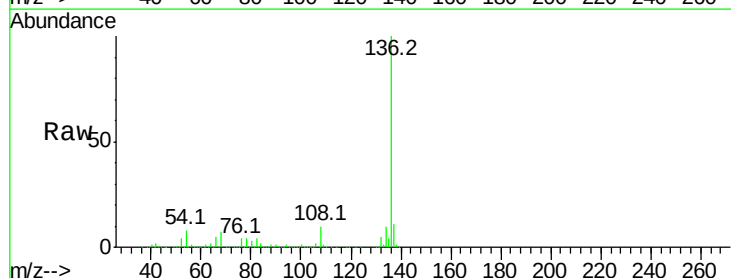
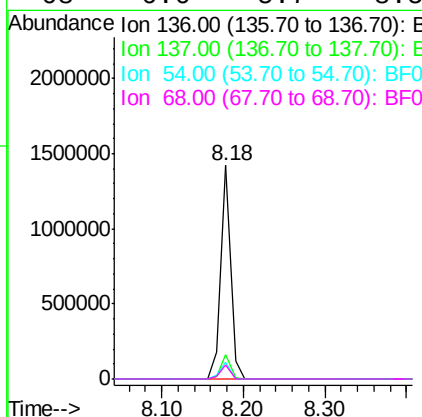
Ion Ratio Lower Upper

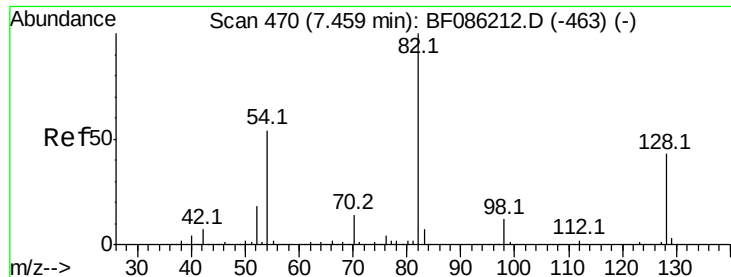
136 100

137 11.4 9.1 13.7

54 8.1 7.3 10.9

68 6.6 5.7 8.5





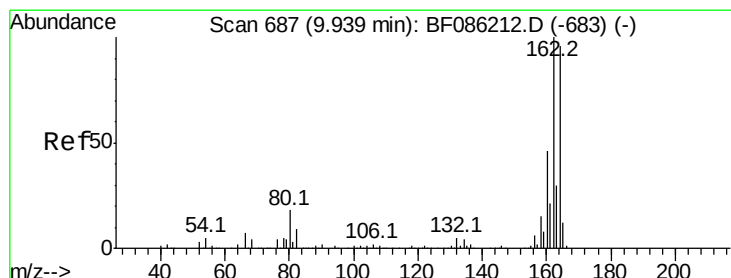
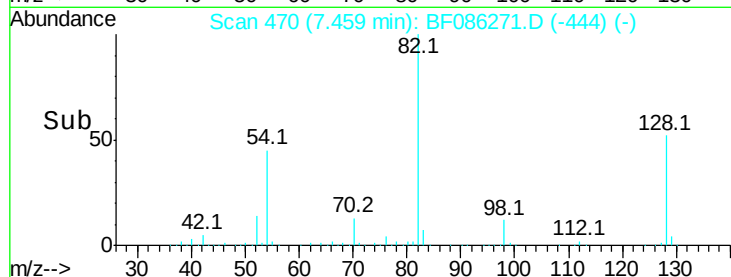
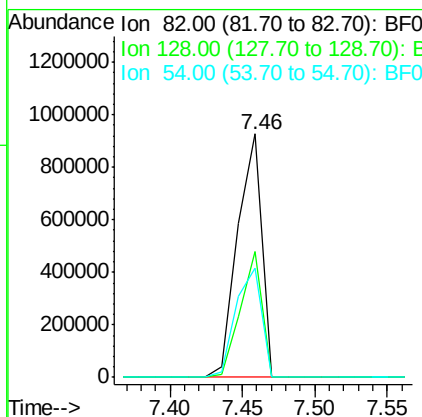
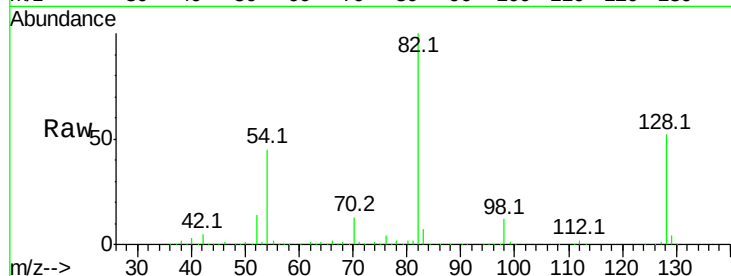
#23
 Nitrobenzene-d5
 Concen: 52.15 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.5	35.4	53.2
54	44.6	43.4	65.0

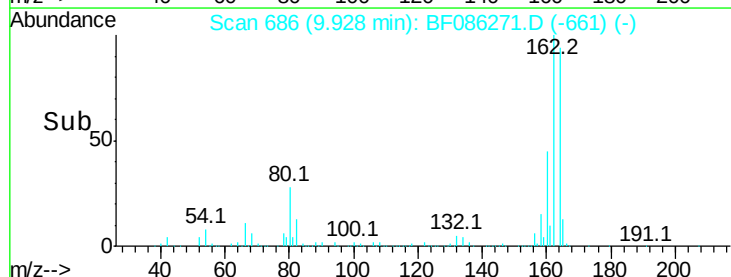
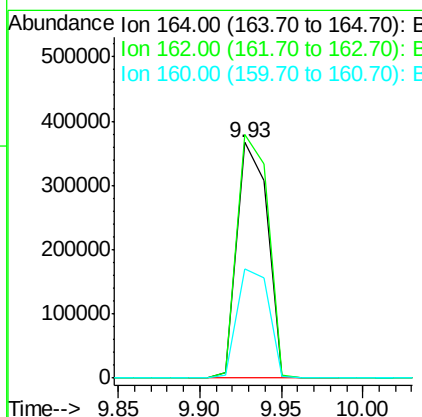
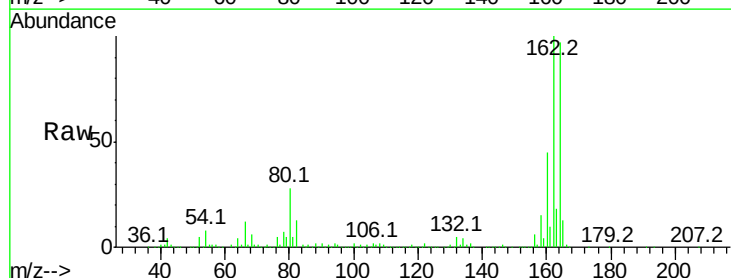
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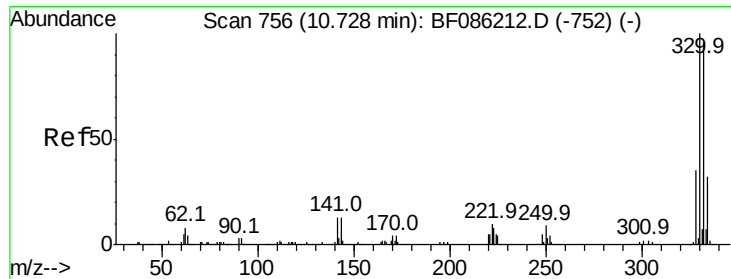
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.8	124.2
160	46.3	38.9	58.3





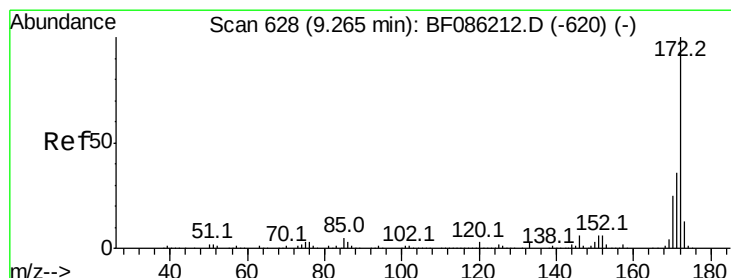
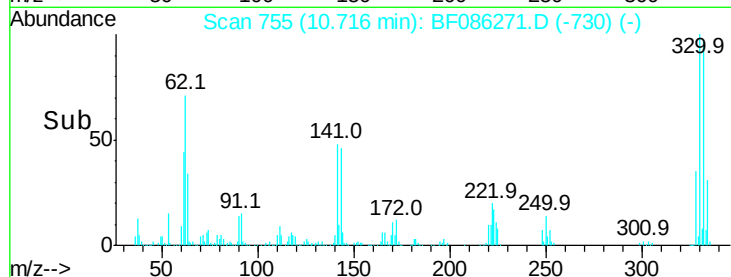
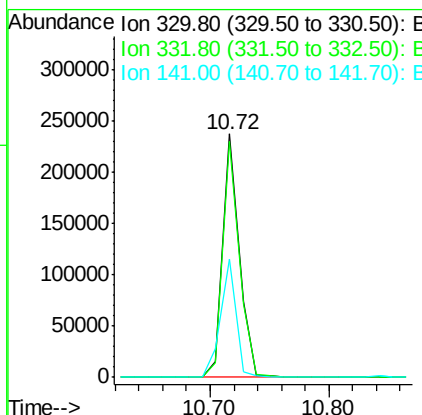
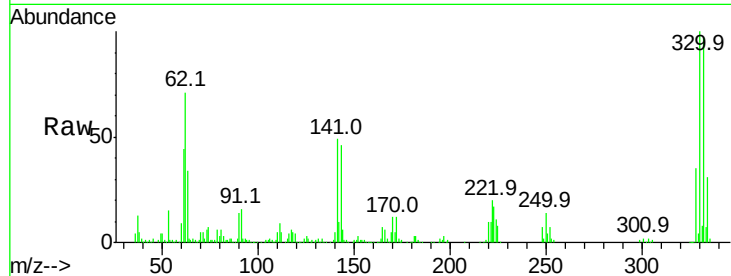
#41
 2,4,6-Tribromophenol
 Concen: 60.15 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-3(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	227484		
332	96.9	78.7	118.1	
141	44.9	28.6	42.8	

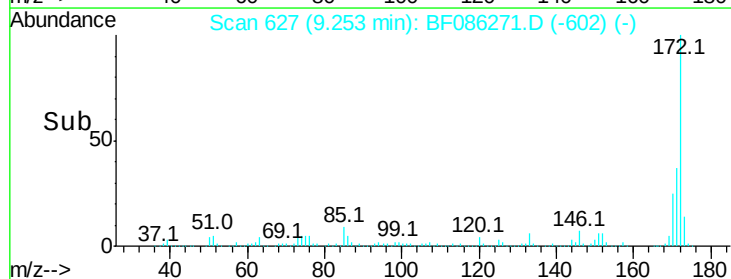
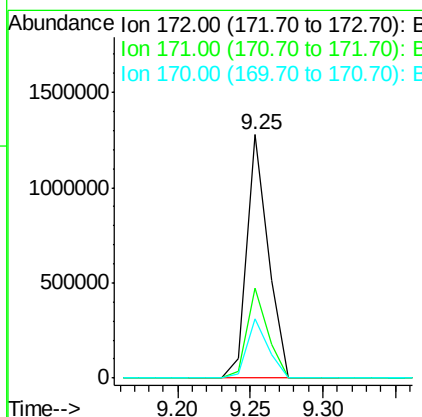
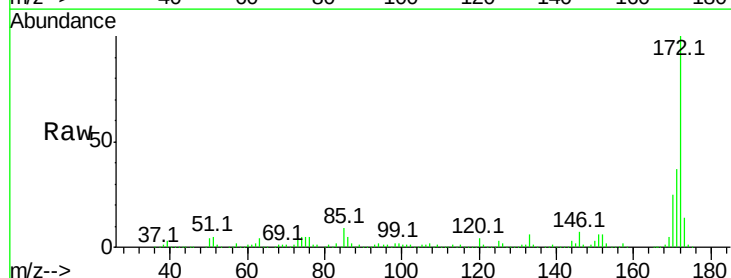
Manual Integrations
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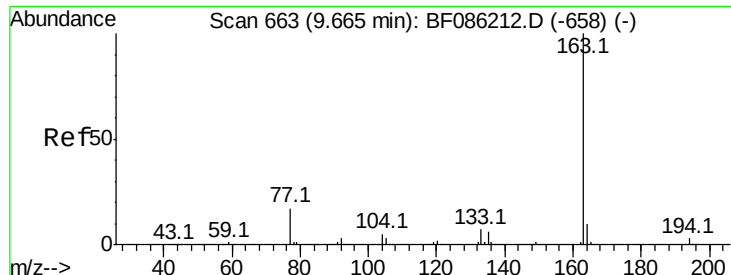
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#44
 2-Fluorobiphenyl
 Concen: 50.98 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1301081		
171	36.7	29.1	43.7	
170	24.6	19.9	29.9	





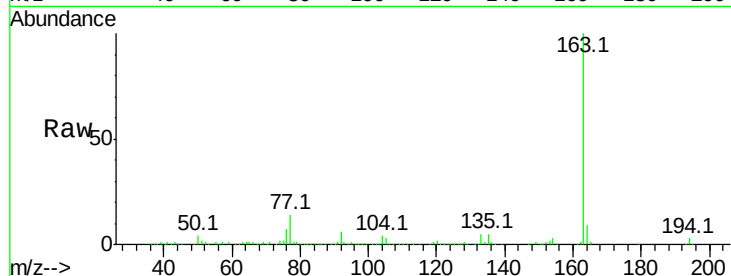
#49
Dimethylphthalate
Concen: 8.13 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-2-C-3(0-2)

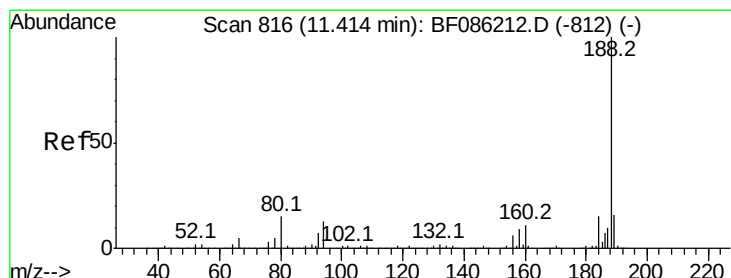
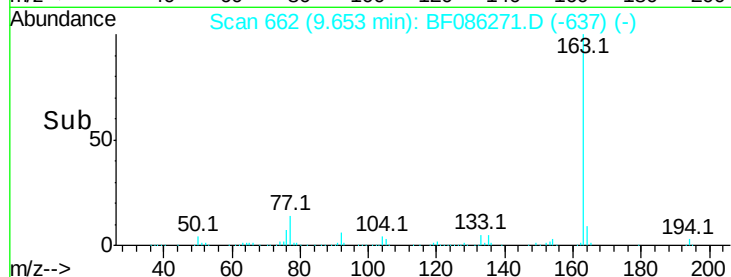
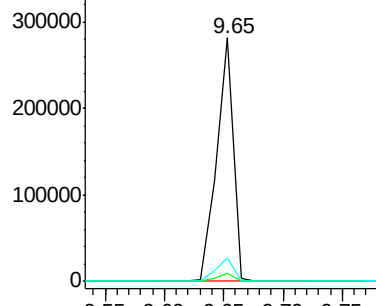
Tot Ion	Ratio	Resp	Lower	Upper
163	100	278292		
194	3.2		2.8	4.2
164	9.4		8.4	12.6

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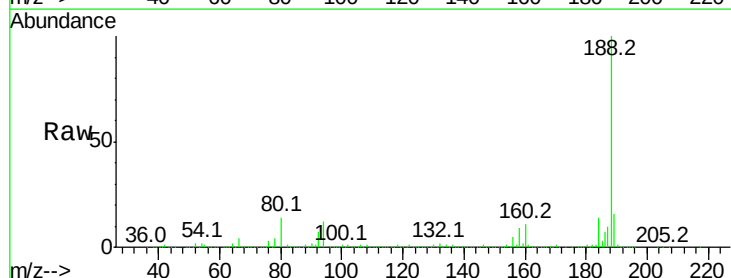


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

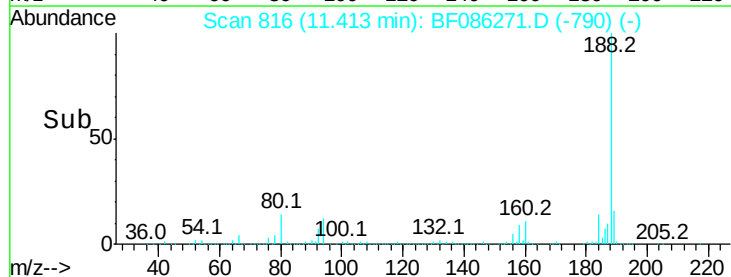
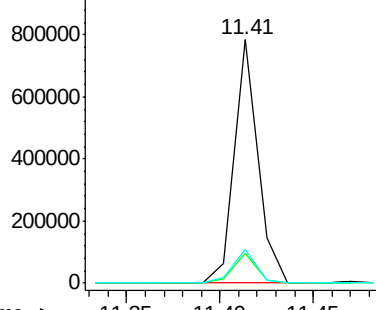


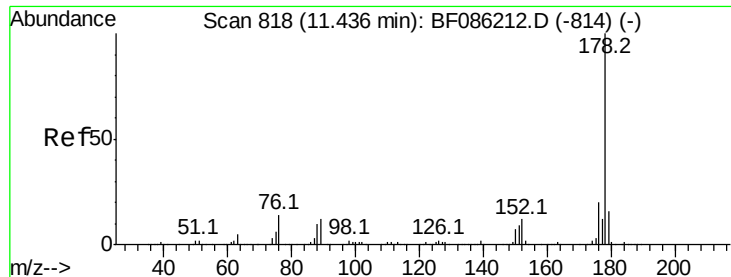
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	683184		
94	12.4		9.8	14.8
80	13.6		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





#70

Phenanthrene

Concen: 13.78 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

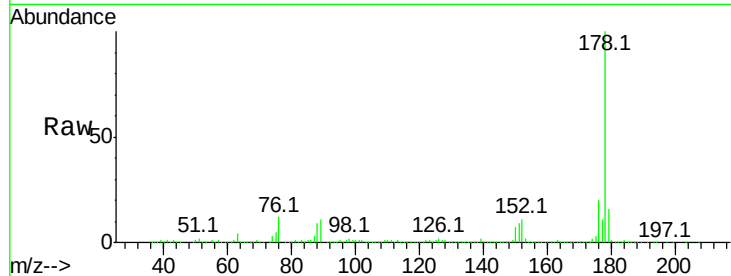
ClientSampleId :

SP-2-C-3(0-2)

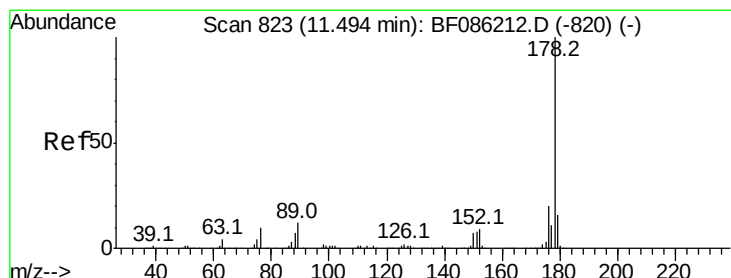
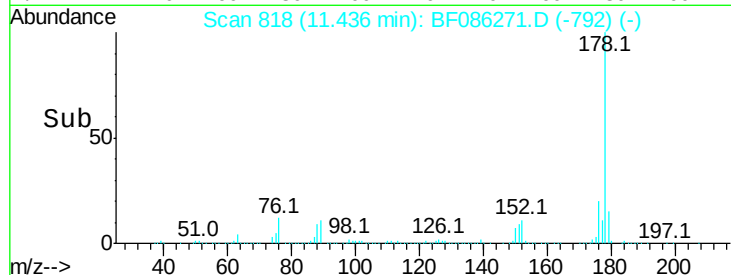
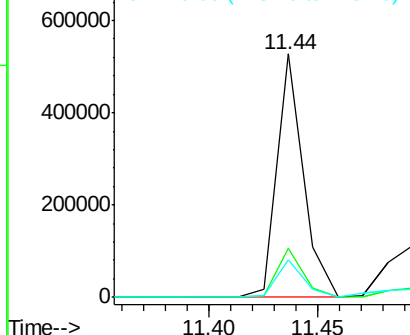
Tot Ion:178	Resp:	449641
Ion Ratio	Lower	Upper
178	100	
176	20.2	16.3 24.5
179	15.6	13.0 19.6

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.64 ng

RT: 11.49 min Scan# 823

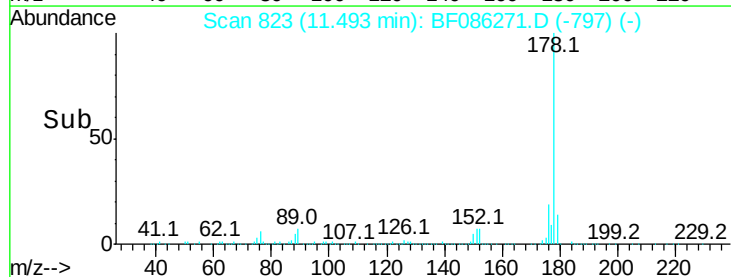
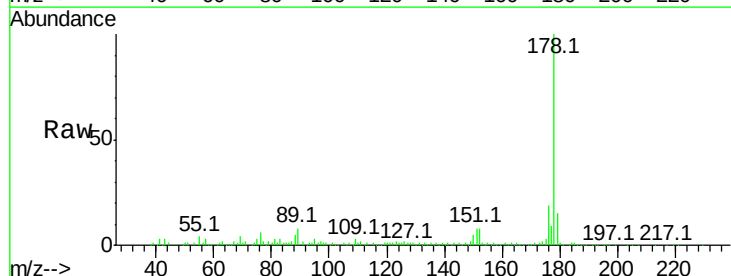
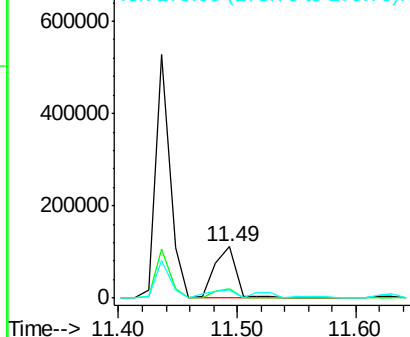
Delta R.T. 0.00 min

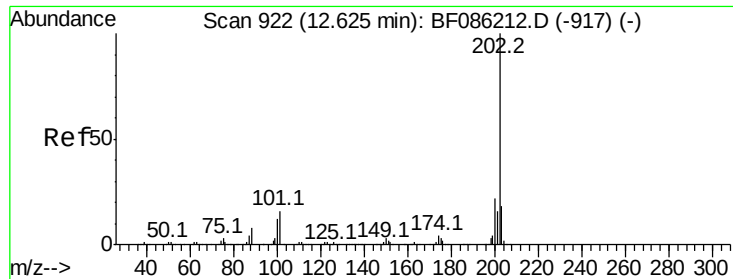
Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Tgt Ion:178	Resp:	137733
Ion Ratio	Lower	Upper
178	100	
176	19.0	16.2 24.4
179	15.0	13.2 19.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





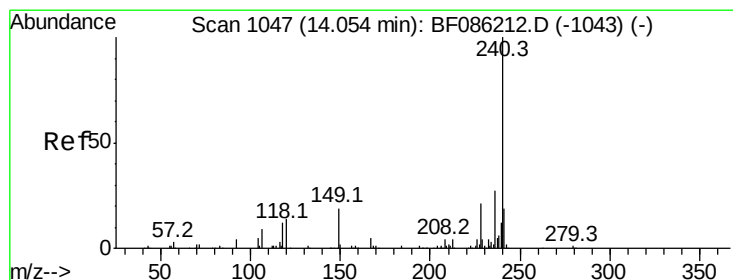
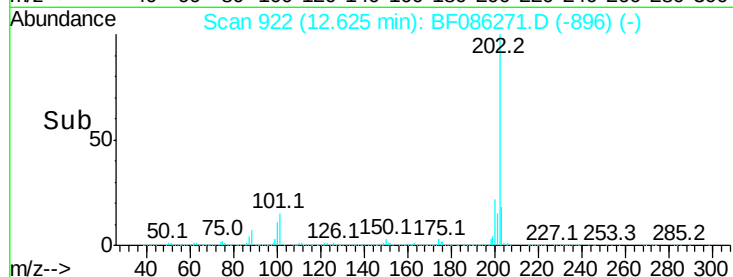
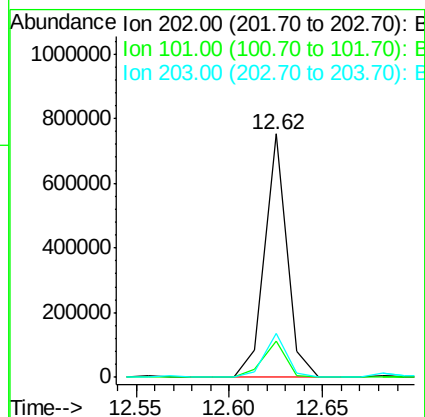
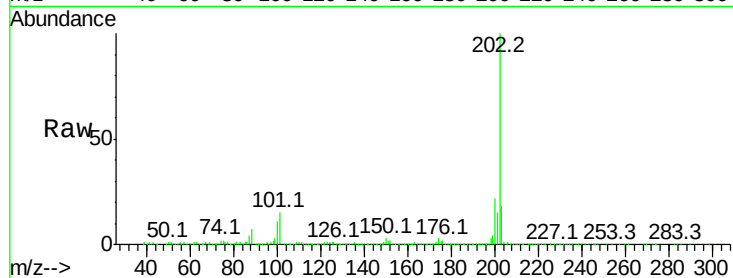
#74
 Fluoranthene
 Concen: 19.11 ng
 RT: 12.62 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Instrument :
 BNA_F
 ClientSampled :
 SP-2-C-3(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.7	0.0	35.2
203	17.8	0.0	38.2

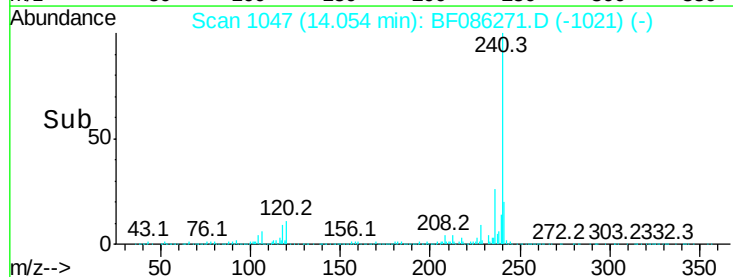
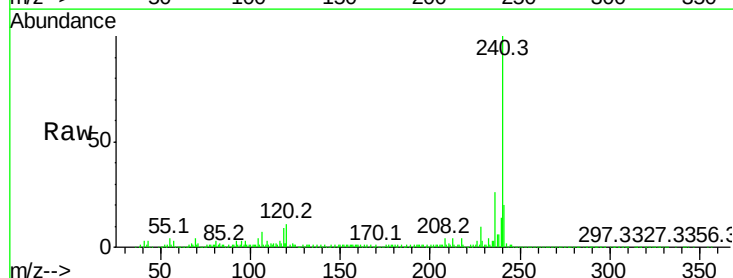
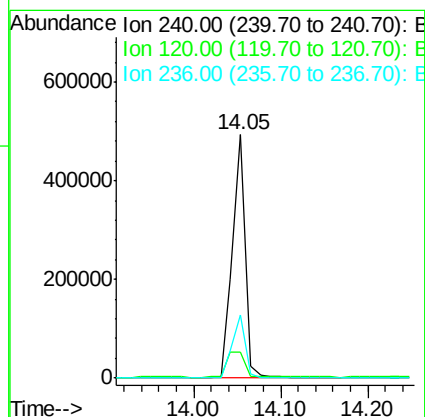
Manual Integrations
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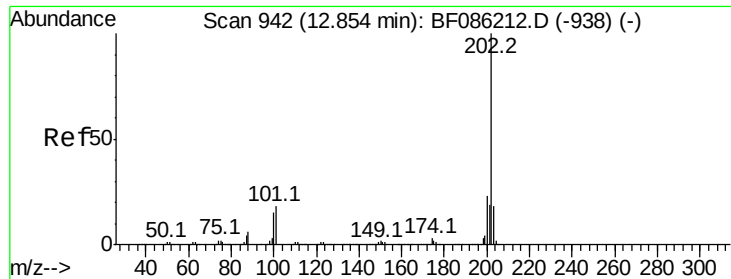
Sohil
 4/18/2016 7:34:47 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.3	13.9
236	26.1	21.1	31.7





#77

Pvrene

Concen: 15.40 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

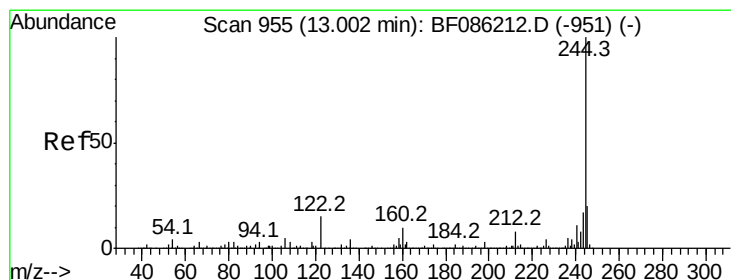
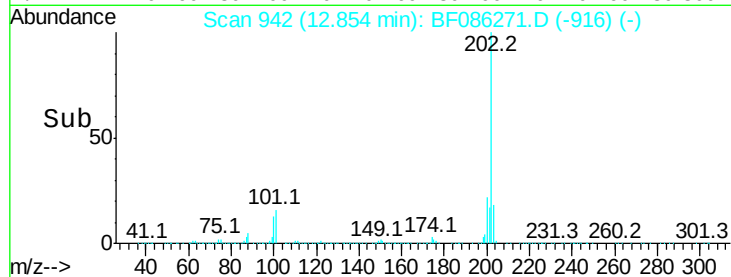
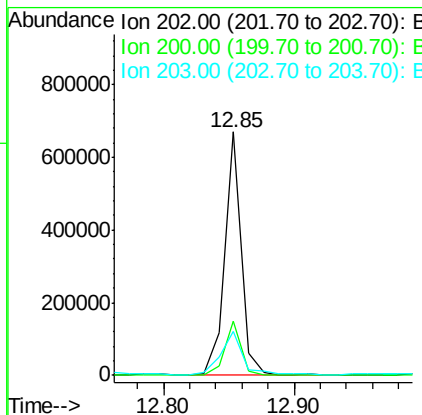
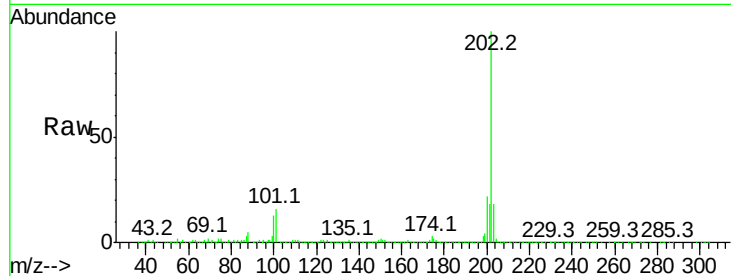
ClientSampleId :

SP-2-C-3(0-2)

Tot Ion:	202	Resp:	593768
Ion Ratio	Lower	Upper	
202	100		
200	22.0	18.3	27.5
203	18.1	14.9	22.3

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#78

Terphenyl-d14

Concen: 39.97 ng

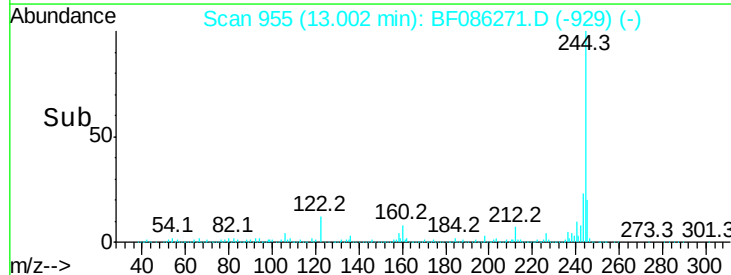
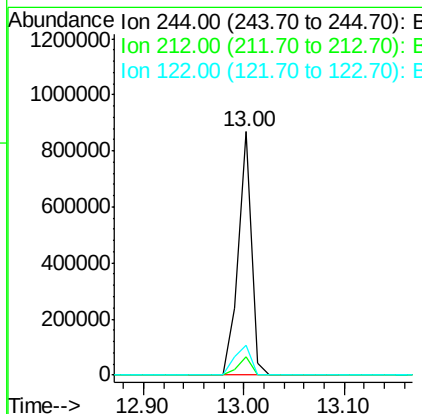
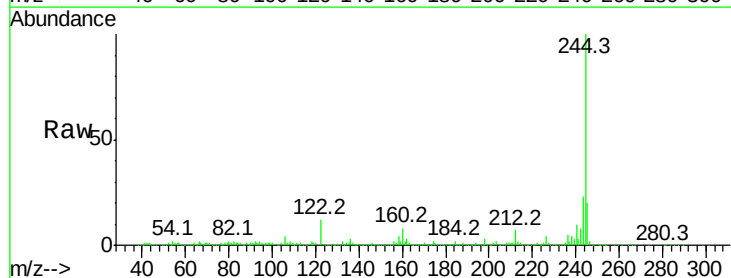
RT: 13.00 min Scan# 955

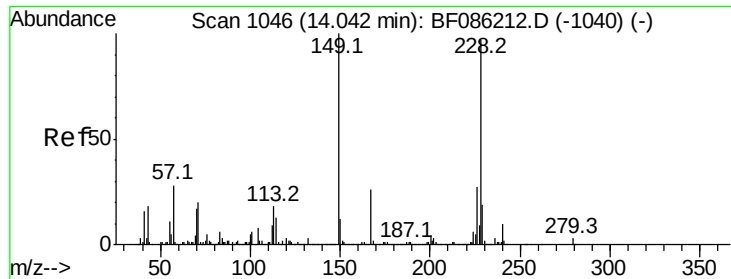
Delta R.T. 0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Tgt Ion:	244	Resp:	798734
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.4	9.6
122	12.2	11.7	17.5





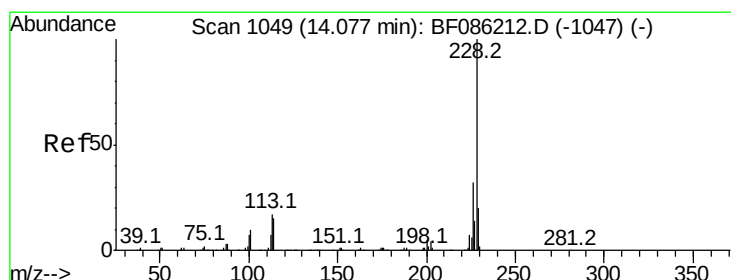
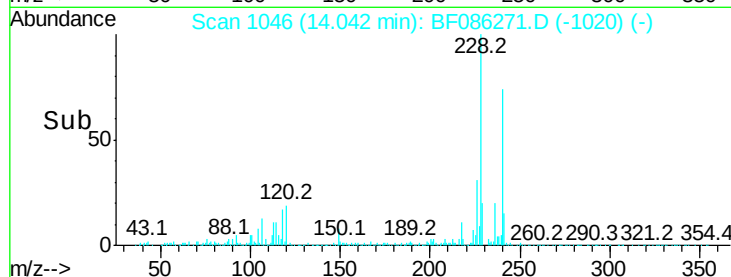
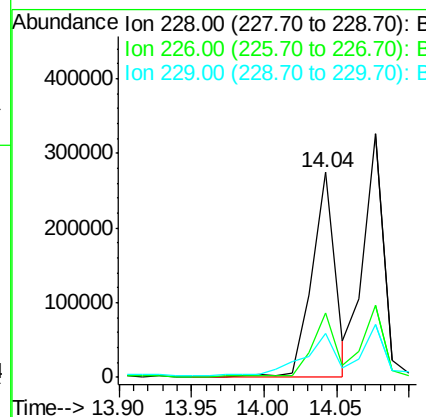
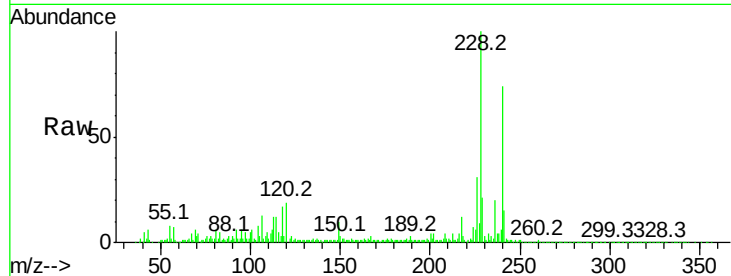
#80
Benzo(a)anthracene
Concen: 10.90 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.5	33.7
229	21.3	16.2	24.2

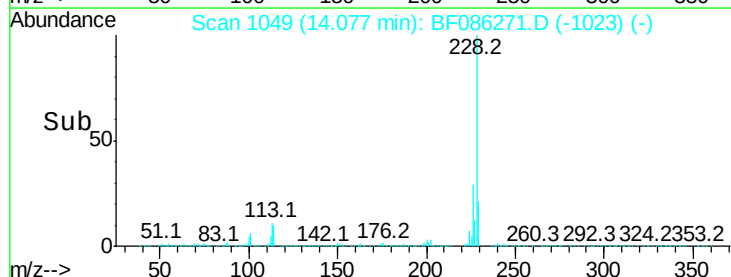
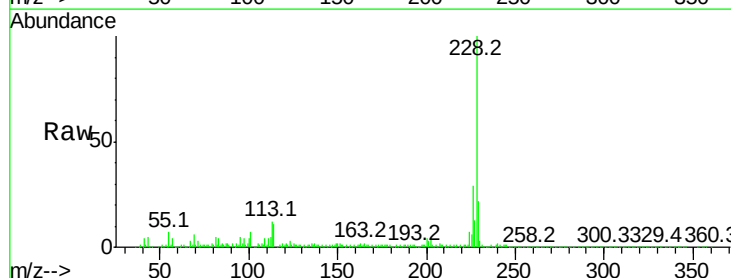
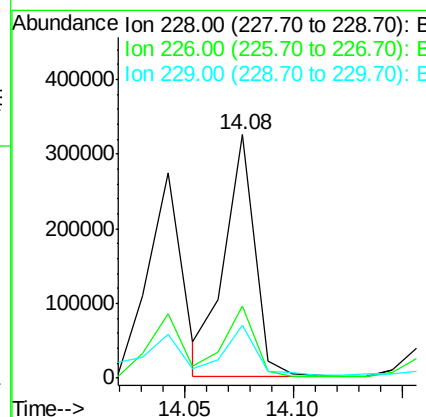
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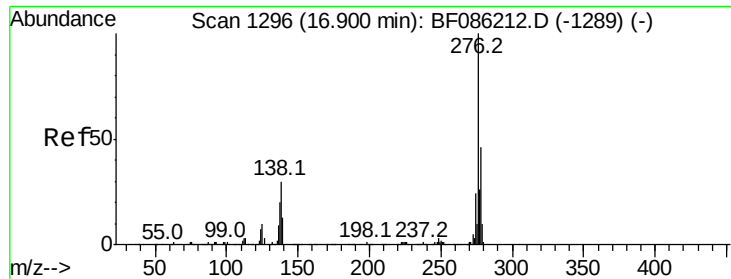
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#82
Chrysene
Concen: 10.61 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.4	38.2
229	21.9	16.5	24.7





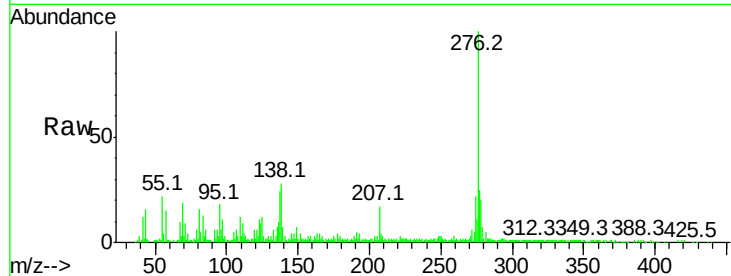
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.17 ng
 RT: 16.90 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-3(0-2)

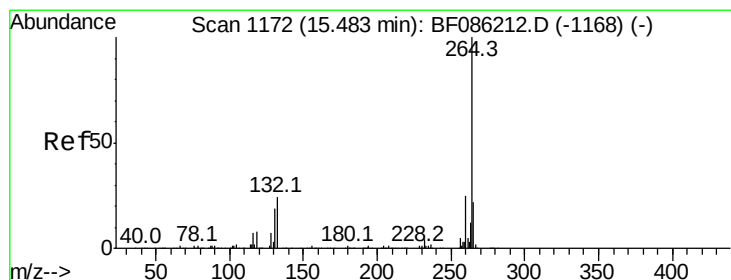
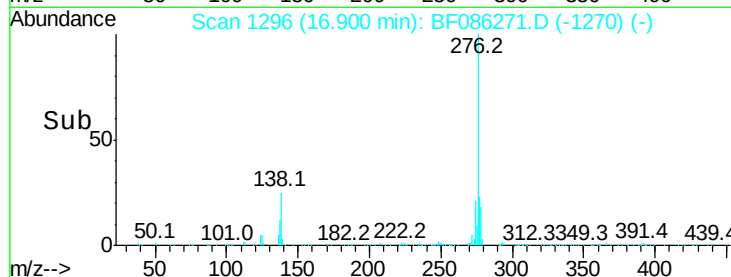
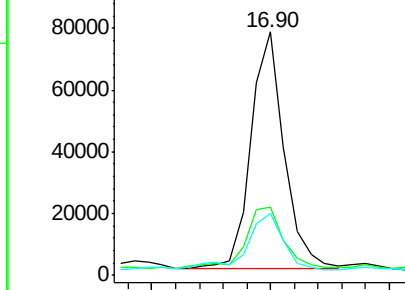
Tot Ion:	276	Resp:	149047
Ion Ratio	Lower	Upper	
276	100		
138	29.6	23.8	35.6
277	27.5	20.2	30.2

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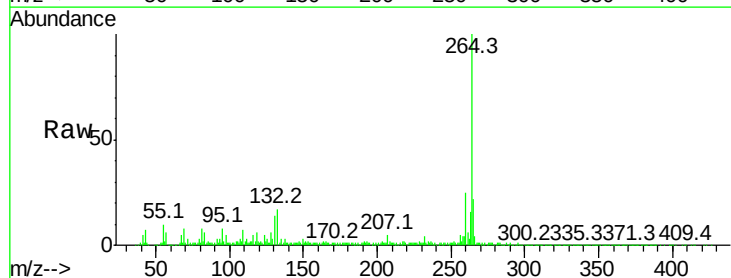


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

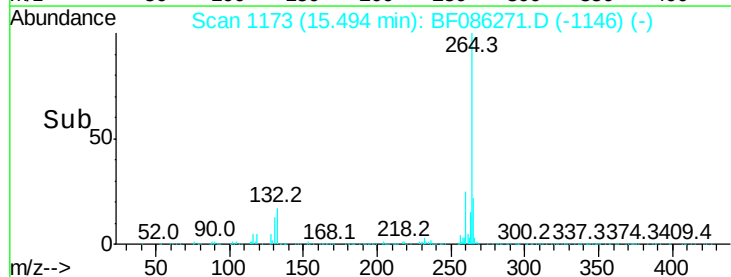
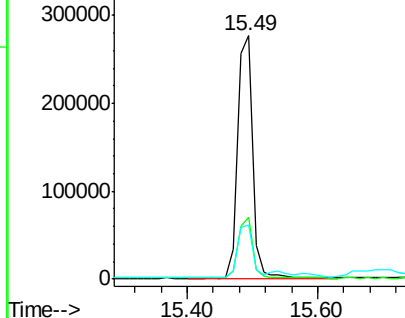


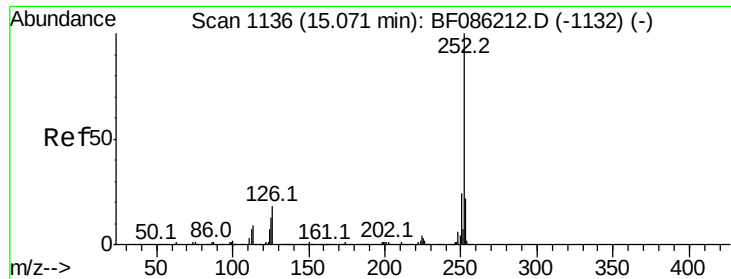
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Tgt Ion:	264	Resp:	430577
Ion Ratio	Lower	Upper	
264	100		
260	25.2	20.0	30.0
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: 16.01 ng m

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

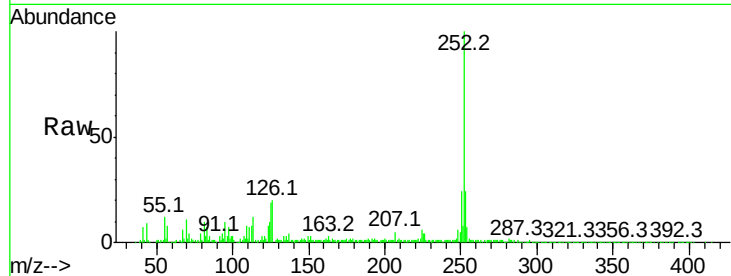
ClientSampleId :

SP-2-C-3(0-2)

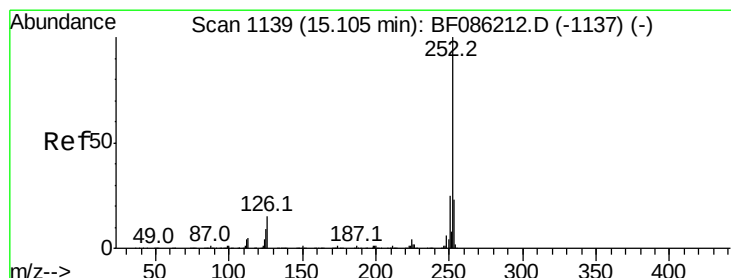
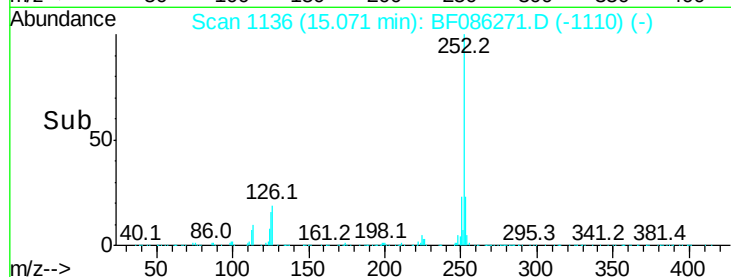
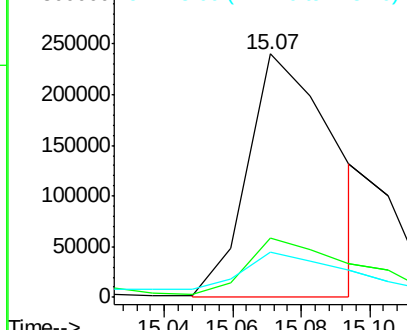
Tot Ion:	252	Resp:	425172
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.7	26.5
125	18.8	10.3	15.5#

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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



#88

Benzo(k)fluoranthene

Concen: 3.48 ng m

RT: 15.09 min Scan# 1138

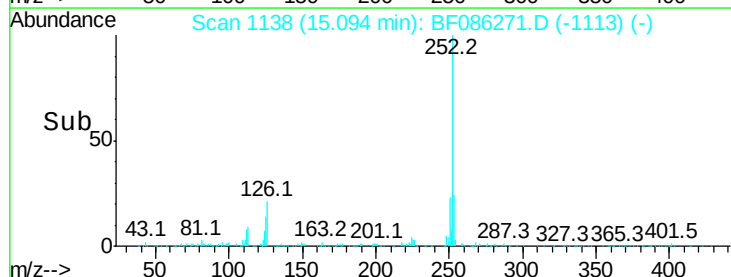
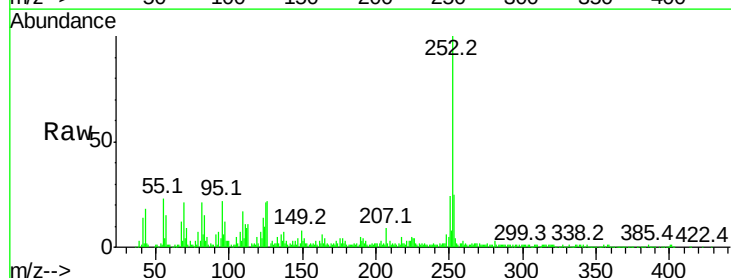
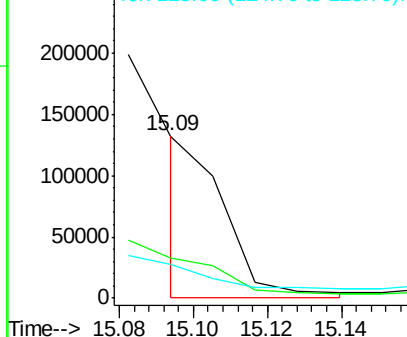
Delta R.T. -0.01 min

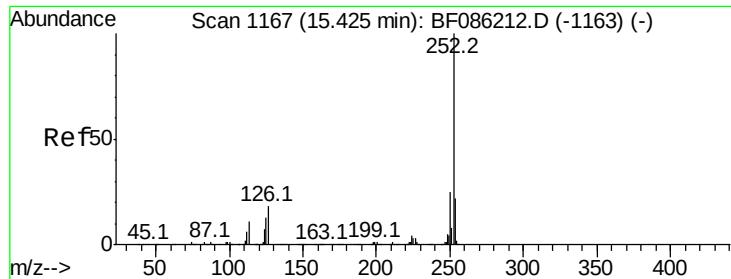
Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Tgt Ion:	252	Resp:	84355
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.5	26.3
125	20.8	7.8	11.6#

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





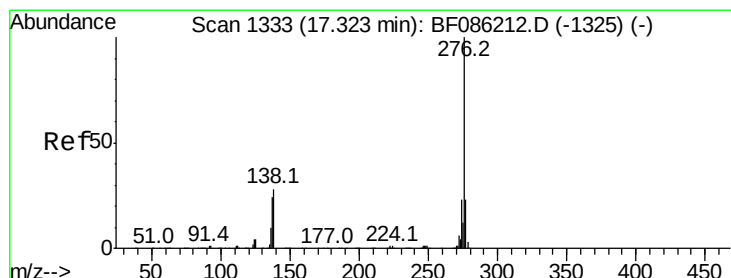
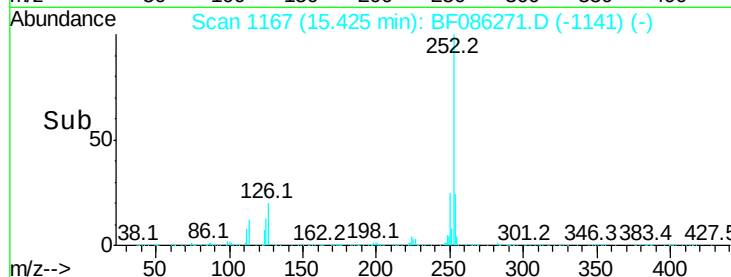
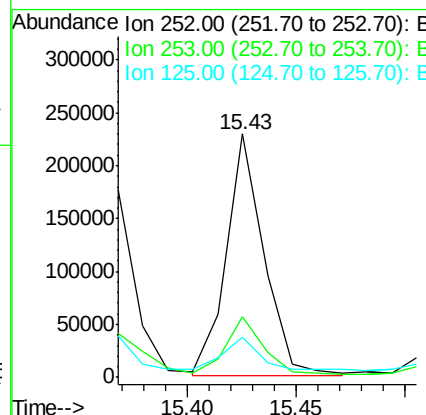
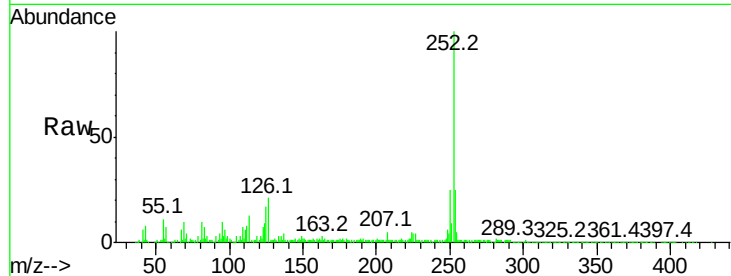
#89
Benzo(a)pyrene
Concen: 11.84 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-2-C-3(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	16.7	11.2	16.8

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#91
Benzo(g,h,i)perylene
Concen: 7.58 ng
RT: 17.32 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	26.0	19.6	29.4

