

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086296.D
 Acq On : 18 Apr 2016 22:00
 Operator : UM/SJ
 Sample : H2413-13 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C(0-2)

Manual Integrations
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 4/19/2016 6:25:29 PM

Quant Time: Apr 19 03:01:50 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	297402	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1098483	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	430394	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	700460	20.00	ng	0.00
75) Chrysene-d12	14.04	240	488069	20.00	ng	-0.01
86) Perylene-d12	15.48	264	392888	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	442104	24.36	ng	-0.01
7) Phenol-d6	6.51	99	545678	24.03	ng	-0.01
23) Nitrobenzene-d5	7.45	82	315909	16.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	73924	21.39	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	480865	20.62	ng	-0.01
78) Terphenyl-d14	12.99	244	314891	16.22	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.79	152	117257	2.91	ng	96
70) Phenanthrene	11.44	178	304618	9.10	ng	97
71) Anthracene	11.48	178	165072	3.21	ng	96
74) Fluoranthene	12.61	202	464623	12.01	ng	93
77) Pyrene	12.84	202	486256	12.99	ng	98
80) Benzo(a)anthracene	14.03	228	276181	10.31	ng	# 93
82) Chrysene	14.07	228	200900m	7.03	ng	
85) Indeno(1,2,3-cd)pyrene	16.89	276	125590	5.35	ng	97
87) Benzo(b)fluoranthene	15.07	252	272160m	11.23	ng	
88) Benzo(k)fluoranthene	15.08	252	71203m	3.22	ng	
89) Benzo(a)pyrene	15.41	252	205941	9.81	ng	# 95
91) Benzo(a,h,i)perylene	17.31	276	160618	8.14	ng	# 94

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

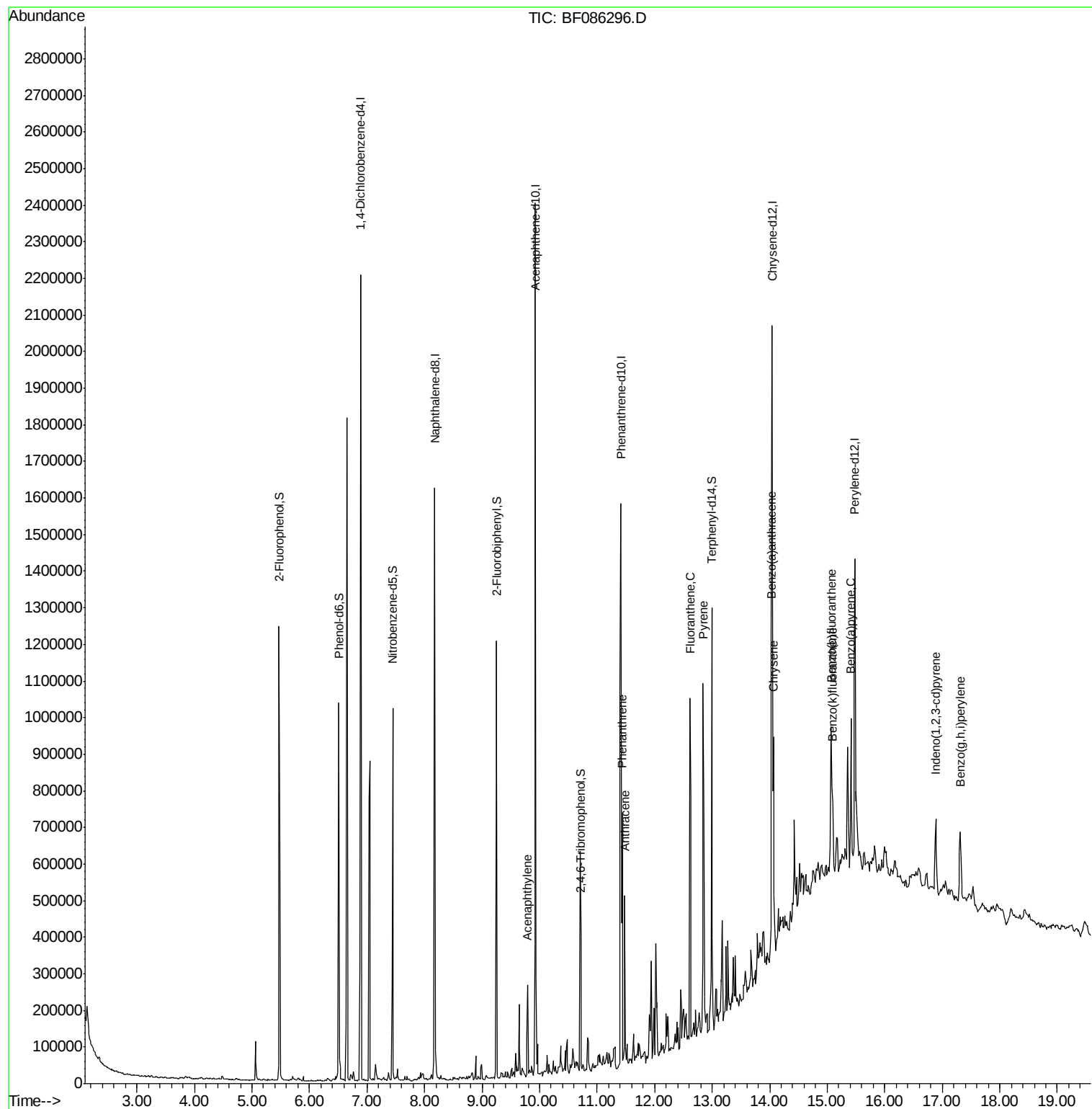
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
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Sample : H2413-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

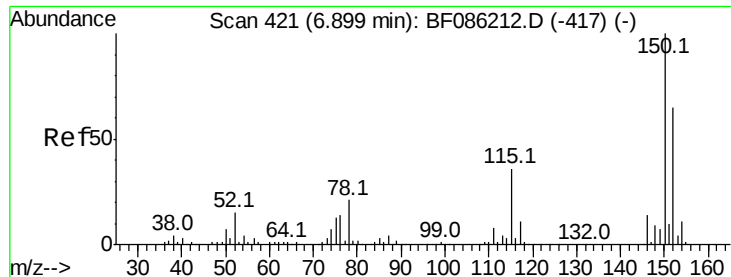
Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

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Quant Time: Apr 19 03:01:50 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

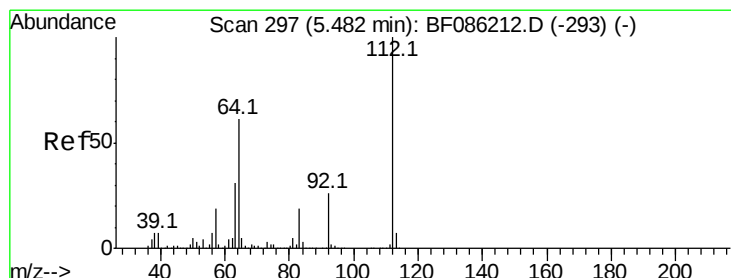
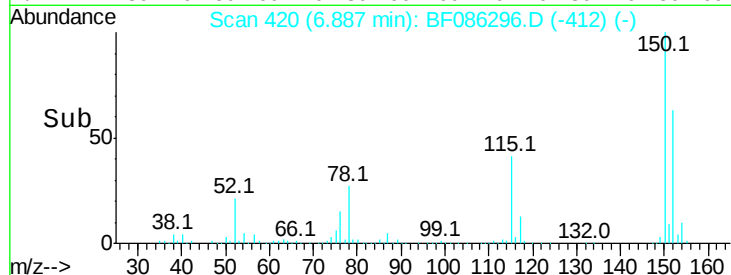
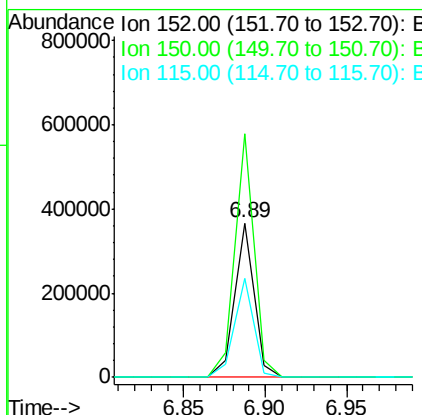
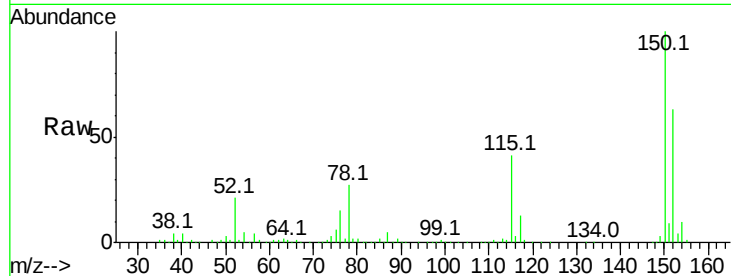
ClientSampleId :

SP-1-C(0-2)

Tot Ion:	152	Resp:	297402
Ion Ratio	Lower	Upper	
152	100		
150	158.0	124.1	186.1
115	64.2	43.9	65.9

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#5

2-Fluorophenol

Concen: 24.36 ng

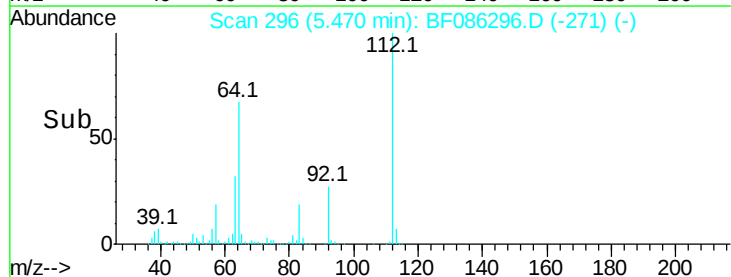
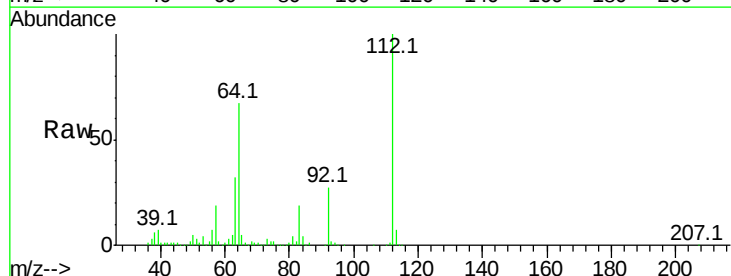
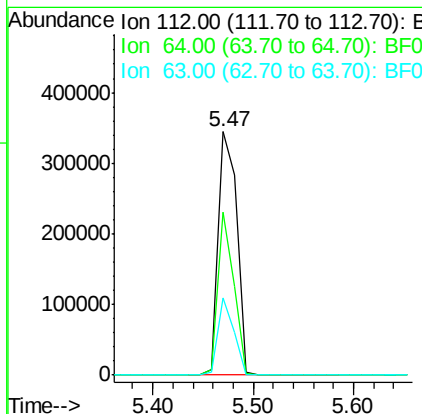
RT: 5.47 min Scan# 296

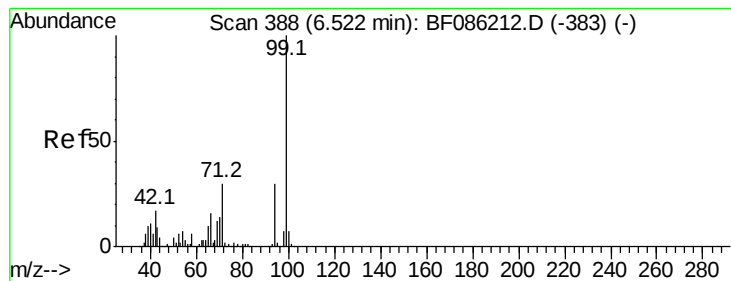
Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Tgt Ion:	112	Resp:	442104
Ion Ratio	Lower	Upper	
112	100		
64	66.9	48.1	72.1
63	31.6	25.5	38.3





#7

Phenol-d6

Concen: 24.03 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

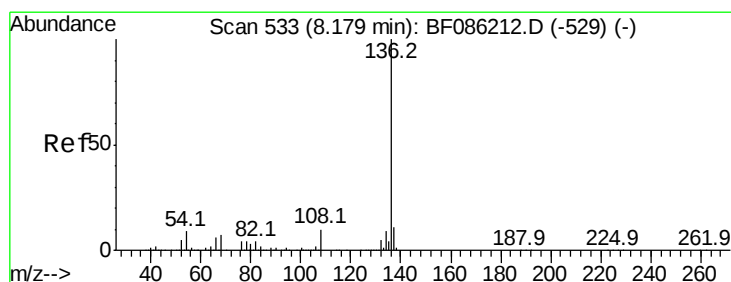
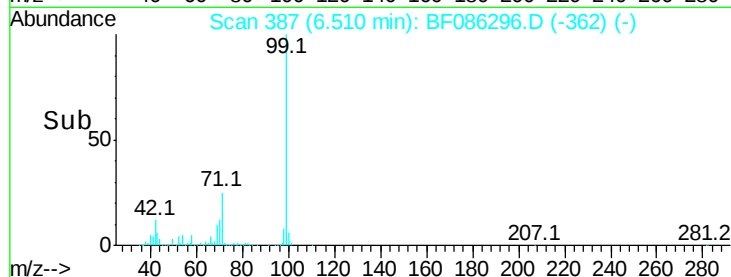
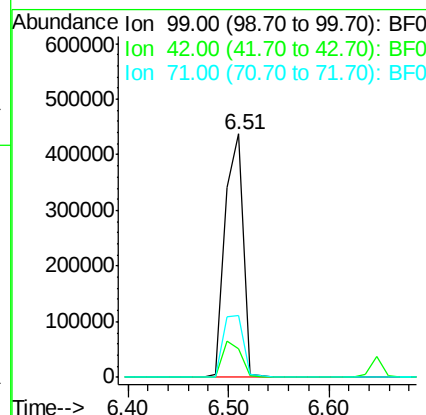
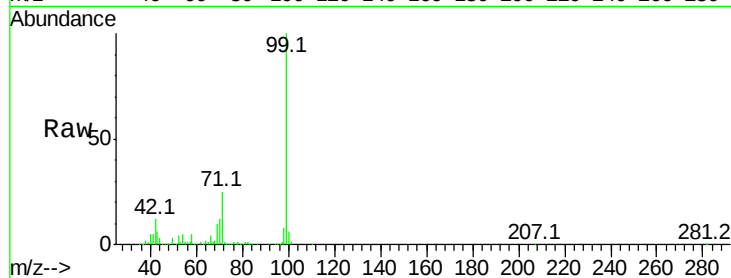
ClientSampleId :

SP-1-C(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		545678		
42	11.9	15.4	23.2#		
71	25.2	25.6	38.4#		

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#21

Naphthalene-d8

Concen: 20.00 ng

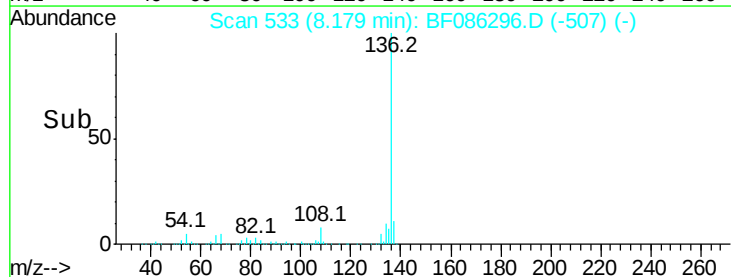
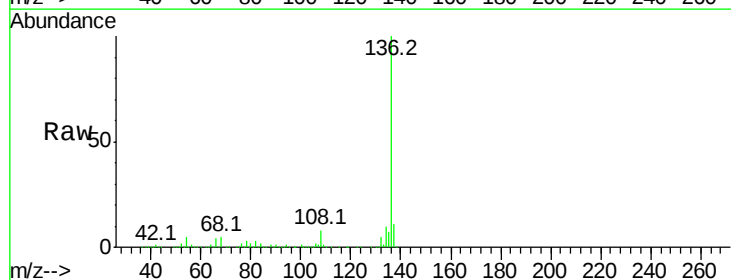
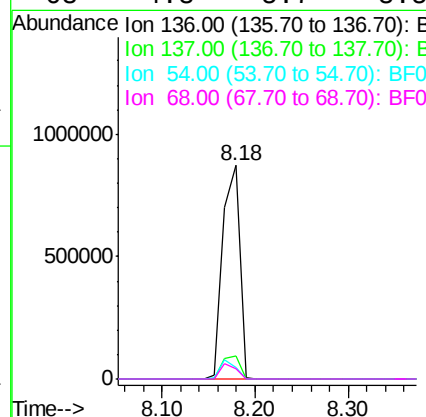
RT: 8.18 min Scan# 533

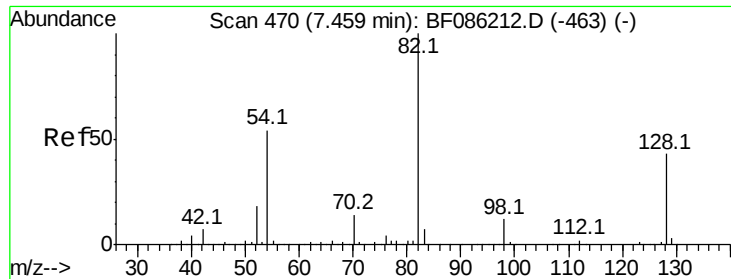
Delta R.T. 0.00 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1098483		
137	10.7	9.1	13.7		
54	5.3	7.3	10.9#		
68	4.8	5.7	8.5#		





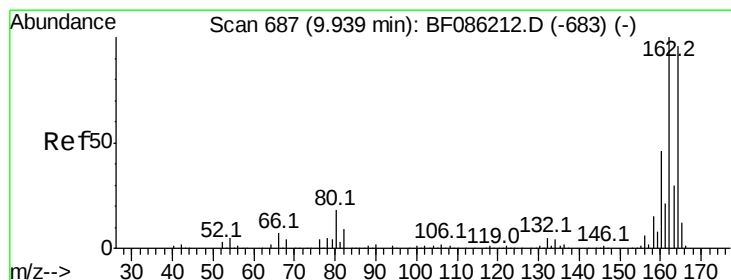
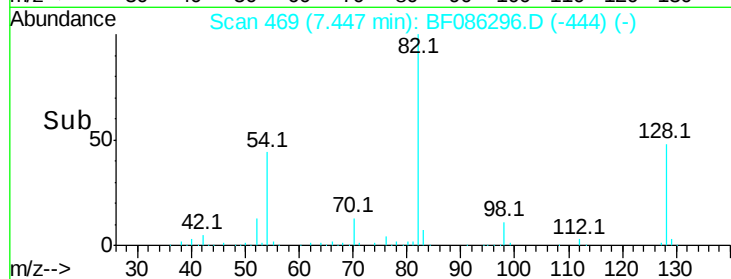
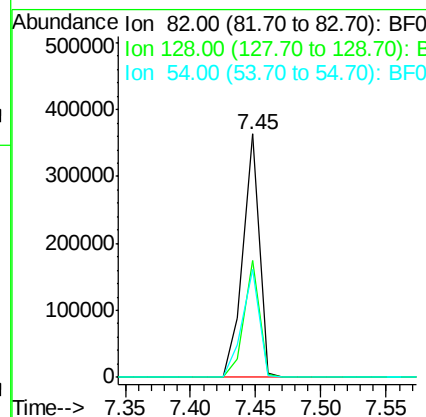
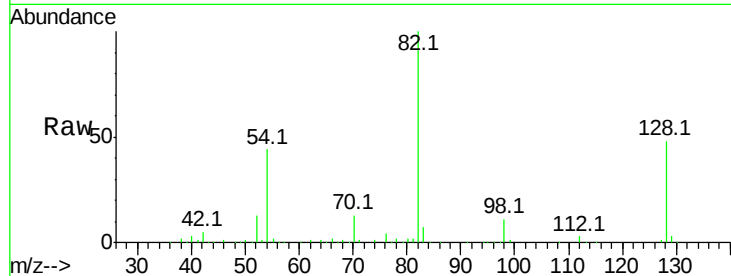
#23
 Nitrobenzene-d5
 Concen: 16.59 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	35.4	53.2
54	44.1	43.4	65.0

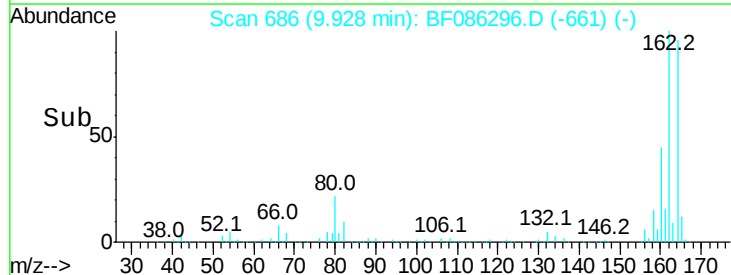
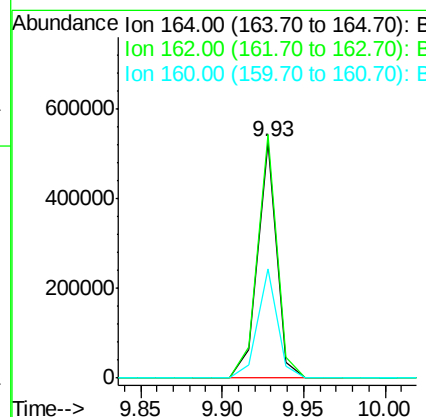
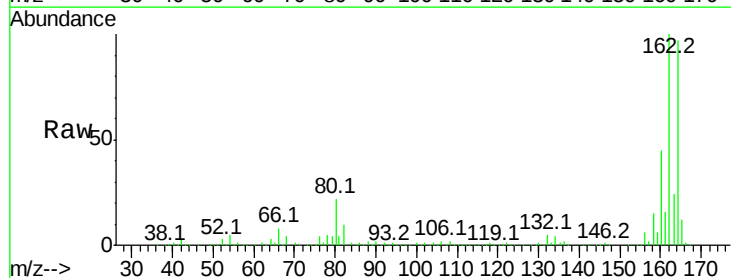
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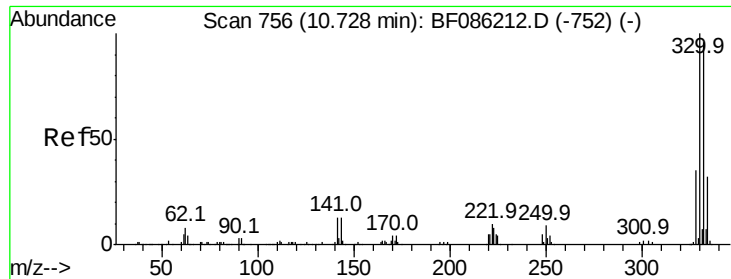
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.8	124.2
160	46.5	38.9	58.3





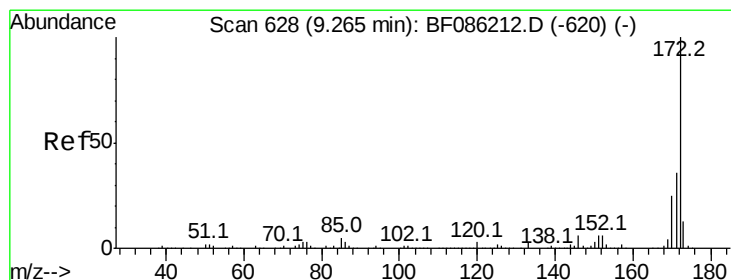
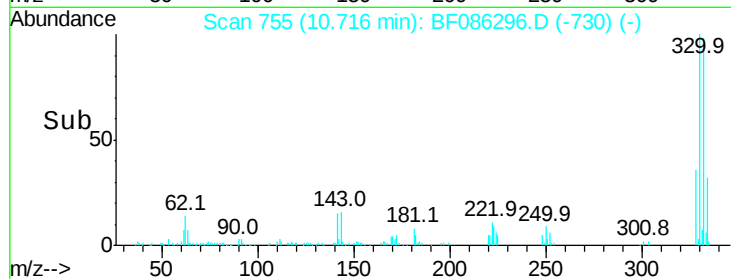
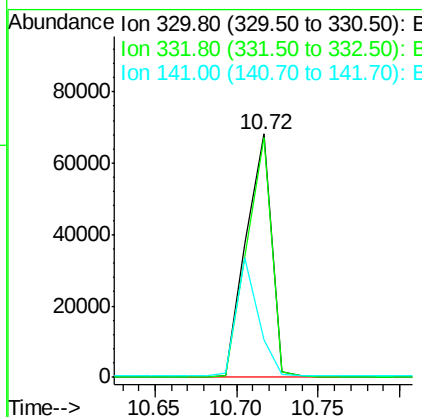
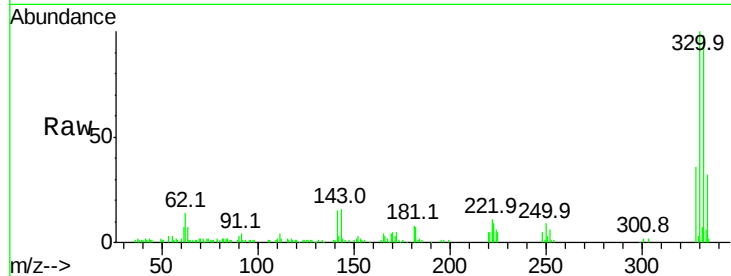
#41
 2,4,6-Tribromophenol
 Concen: 21.39 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C(0-2)

Tot Ion:	330	Resp:	73924
Ion Ratio	Lower	Upper	
330	100		
332	95.6	78.7	118.1
141	42.2	28.6	42.8

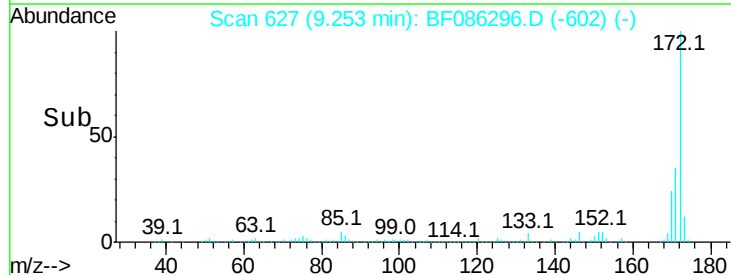
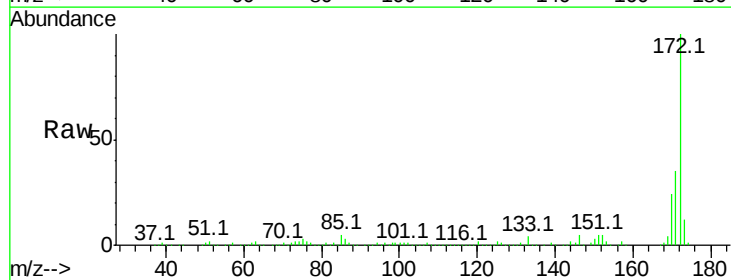
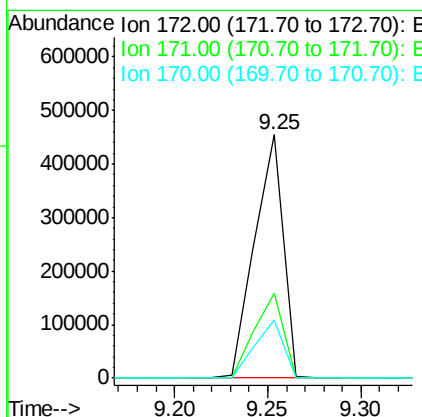
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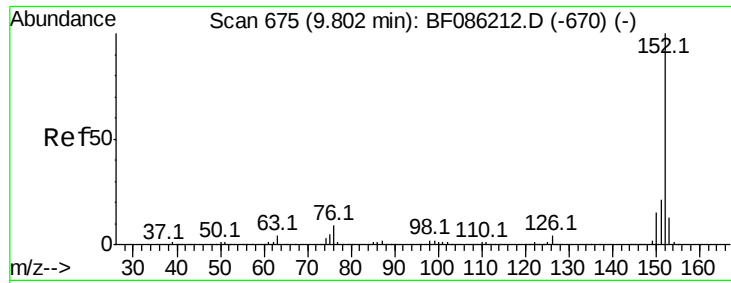
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#44
 2-Fluorobiphenyl
 Concen: 20.62 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

Tgt Ion:	172	Resp:	480865
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.1	43.7
170	24.0	19.9	29.9





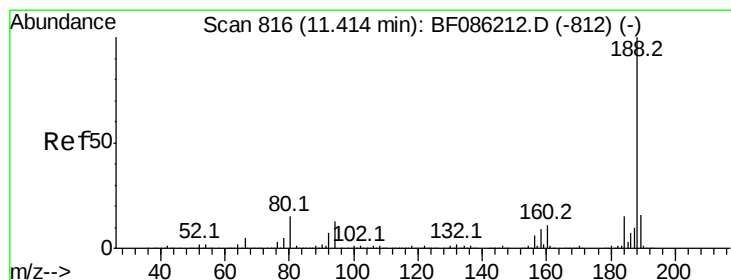
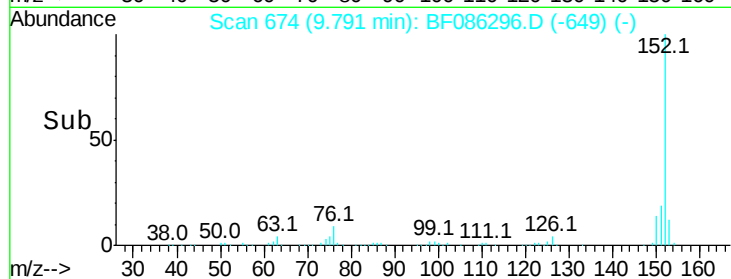
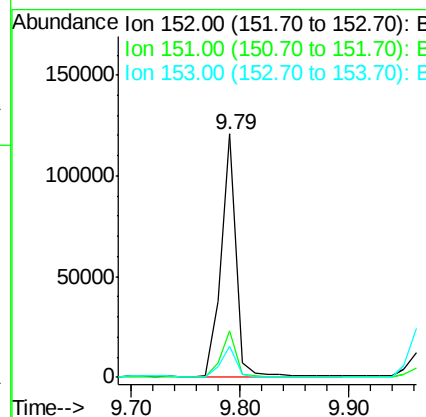
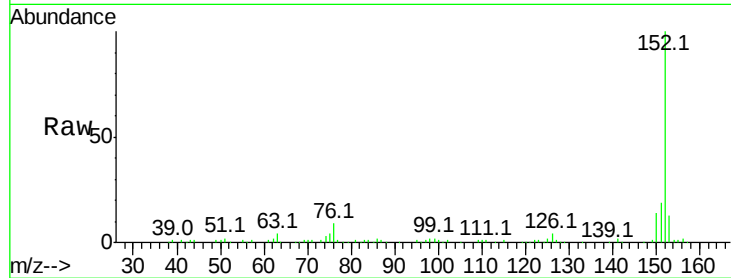
#48
Acenaphthylene
Concen: 2.91 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	17.2	25.8
153	12.7	10.7	16.1

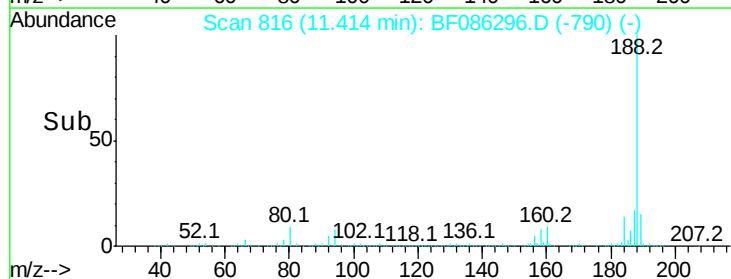
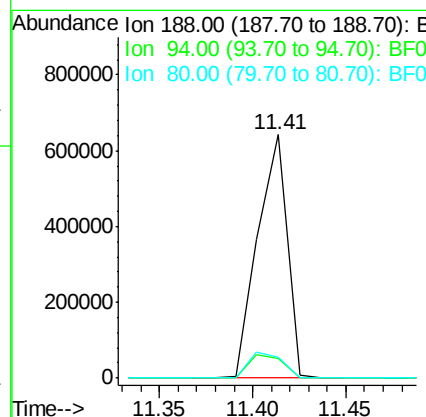
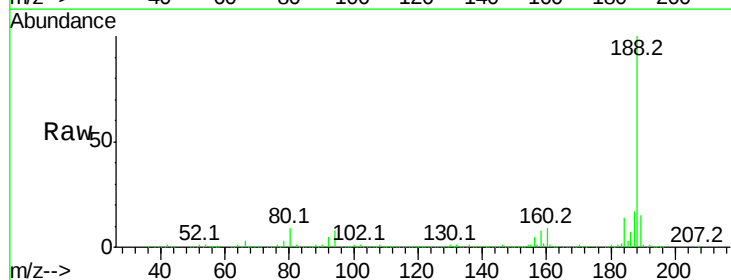
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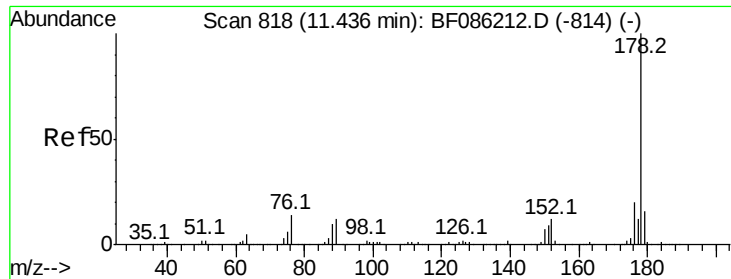
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	9.8	14.8#
80	8.7	10.5	15.7#





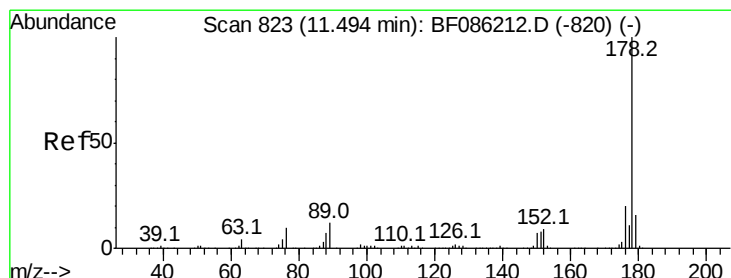
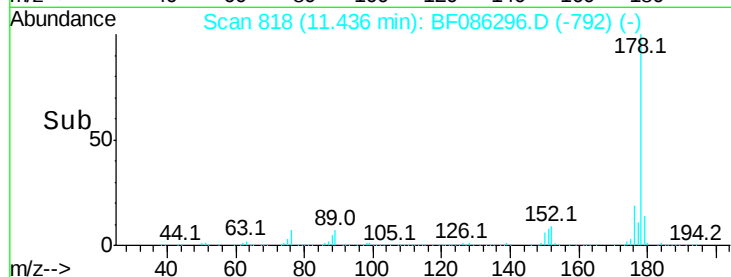
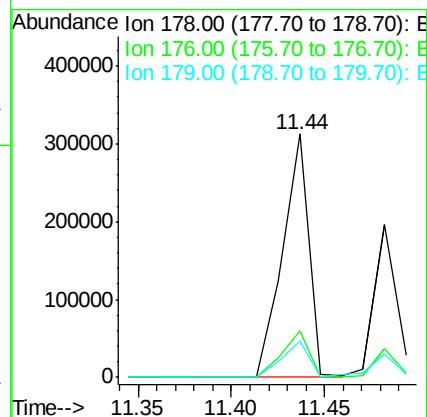
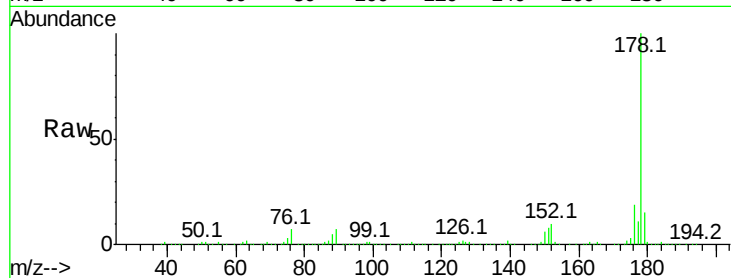
#70
Phenanthrene
Concen: 9.10 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	14.7	13.0	19.6

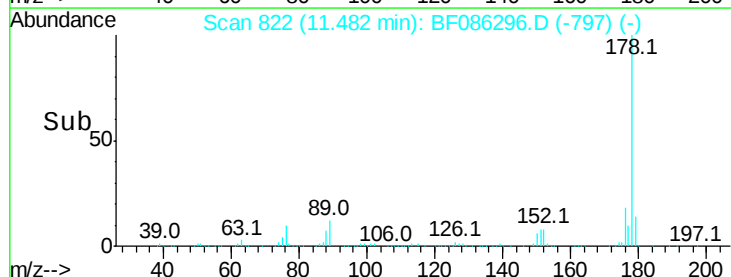
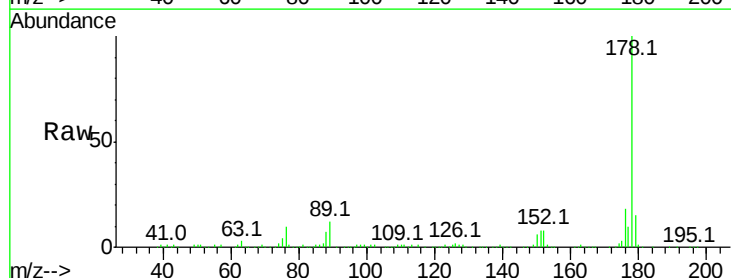
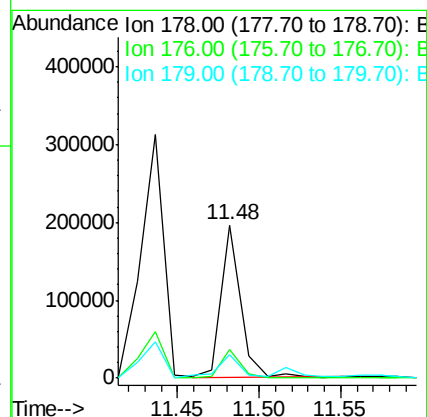
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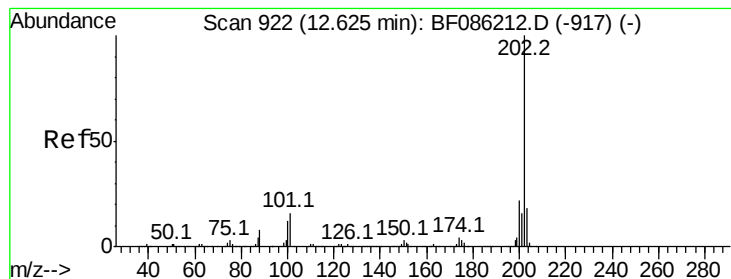
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#71
Anthracene
Concen: 3.21 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.4
179	14.9	13.2	19.8





#74

Fluoranthene

Concen: 12.01 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

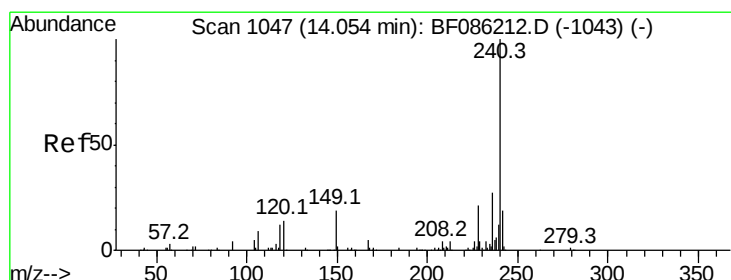
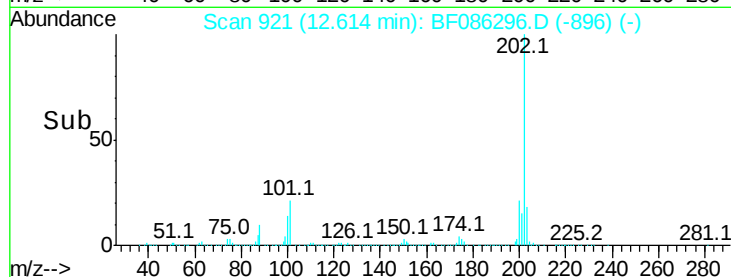
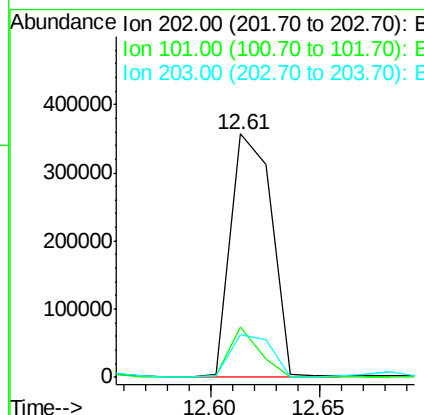
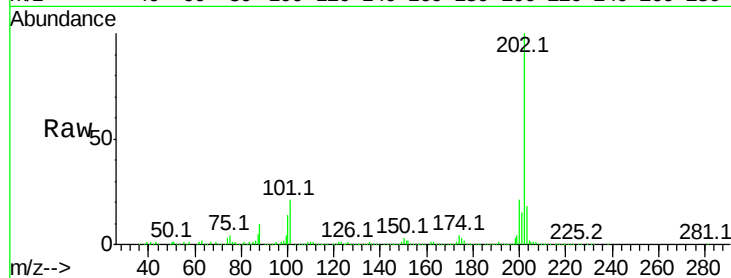
ClientSampleId :

SP-1-C(0-2)

Tot Ion:	202	Resp:	464623
Ion Ratio	Lower	Upper	
202	100		
101	20.7	0.0	35.2
203	17.5	0.0	38.2

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

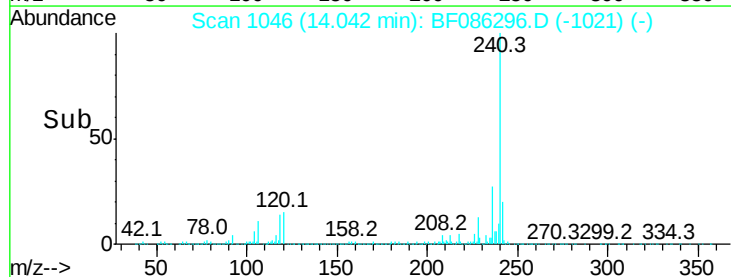
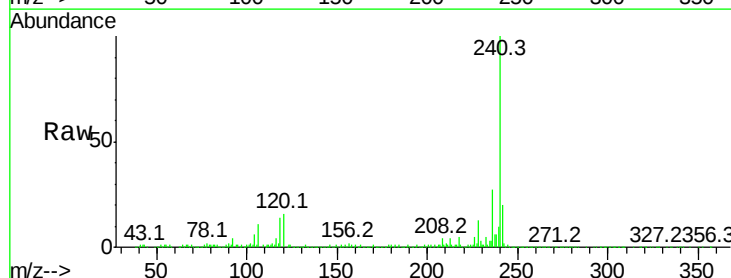
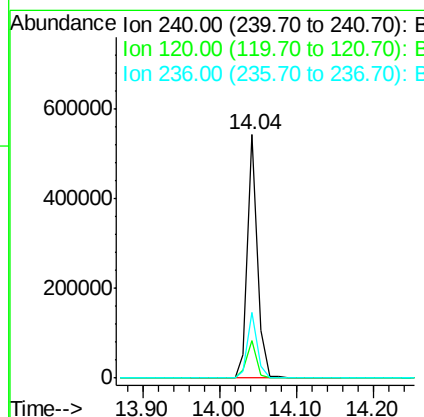
RT: 14.04 min Scan# 1046

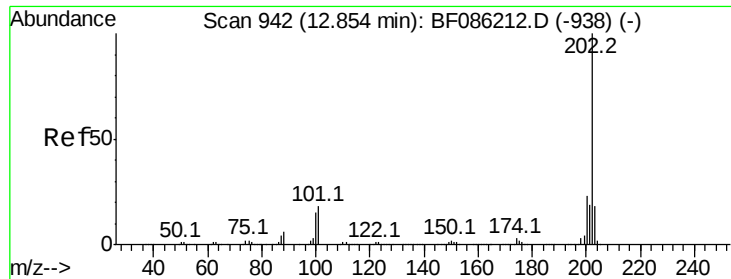
Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Tgt Ion:	240	Resp:	488069
Ion Ratio	Lower	Upper	
240	100		
120	15.5	9.3	13.9#
236	26.8	21.1	31.7





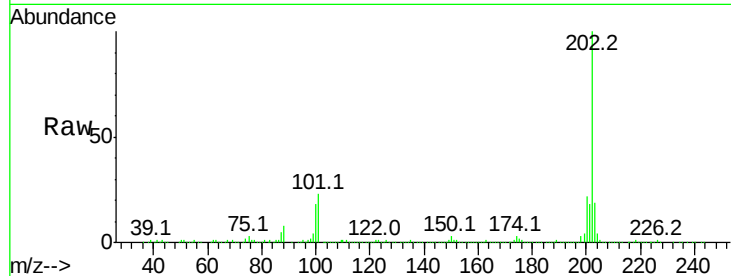
#77
Pvrene
Concen: 12.99 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

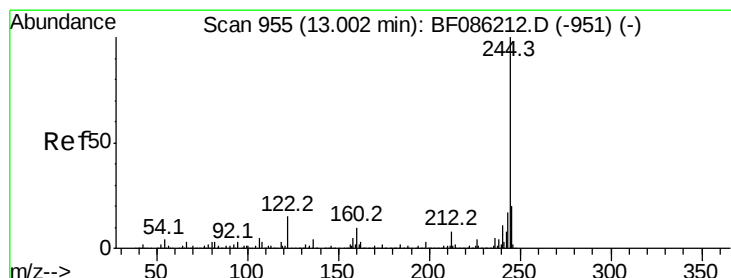
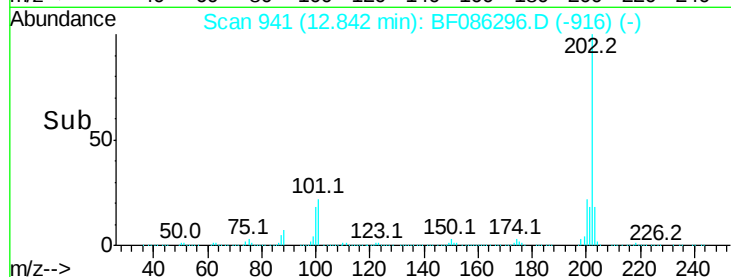
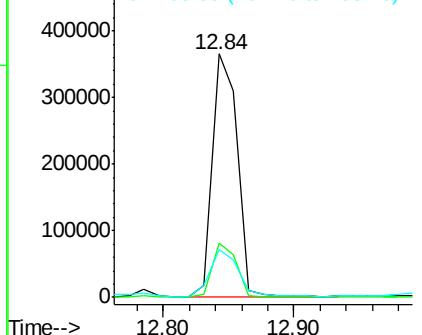
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.1	18.3	27.5
203	19.4	14.9	22.3

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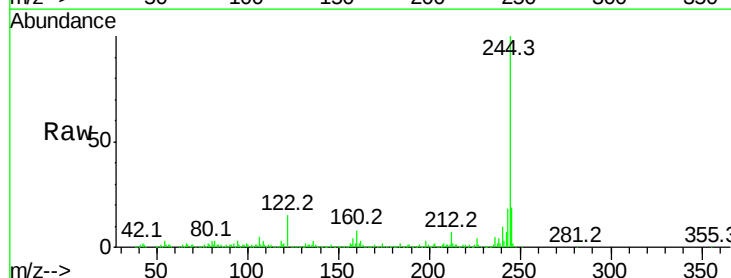


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

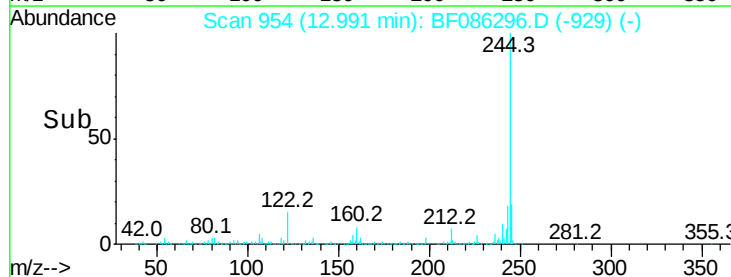
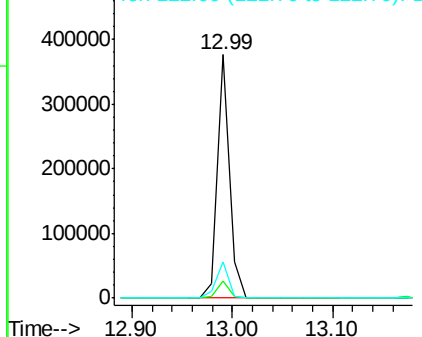


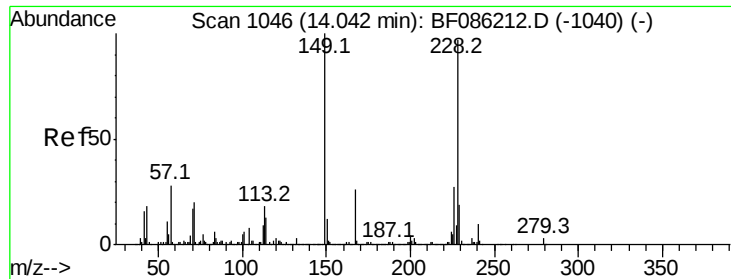
#78
Terphenyl-d14
Concen: 16.22 ng
RT: 12.99 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.4	9.6
122	14.7	11.7	17.5



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





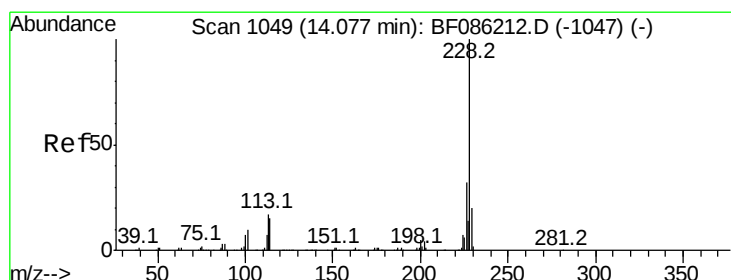
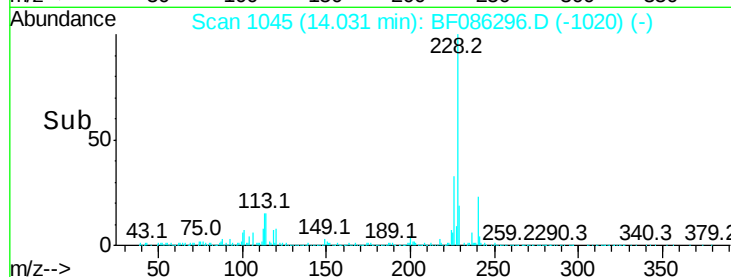
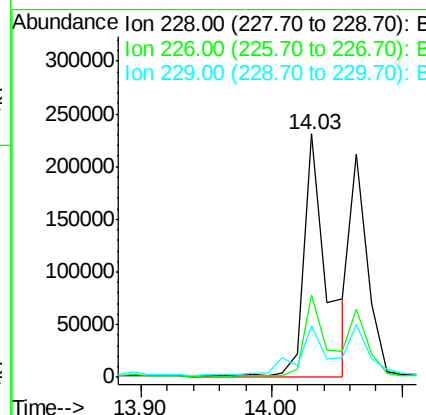
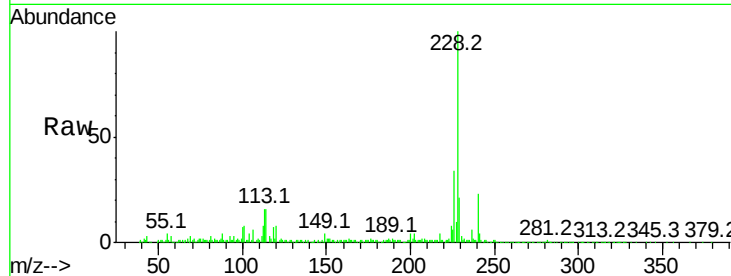
#80
Benzo(a)anthracene
Concen: 10.31 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.1	22.5	33.7#
229	21.0	16.2	24.2

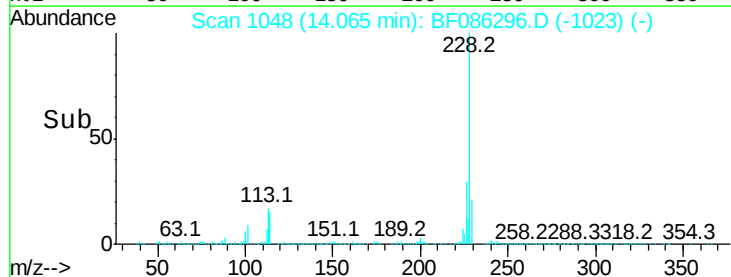
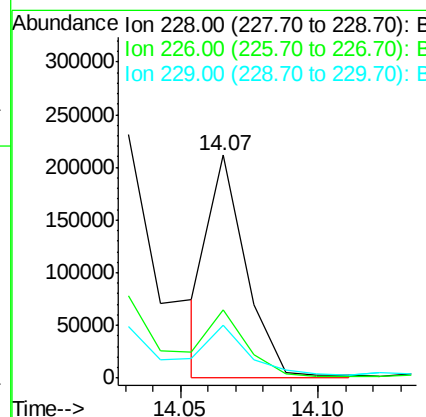
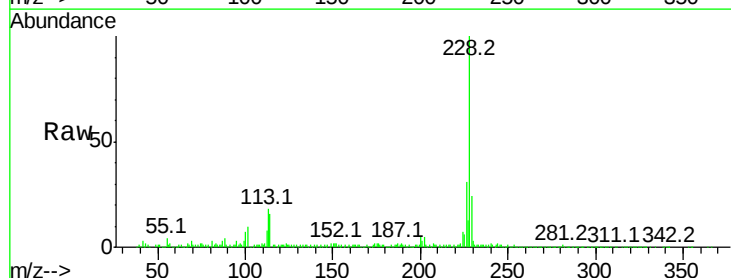
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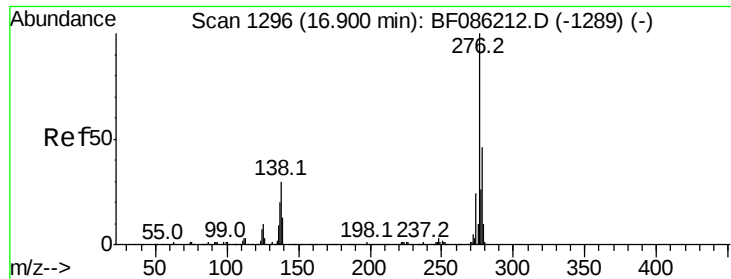
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#82
Chrysene
Concen: 7.03 ng m
RT: 14.07 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.2
229	23.8	16.5	24.7





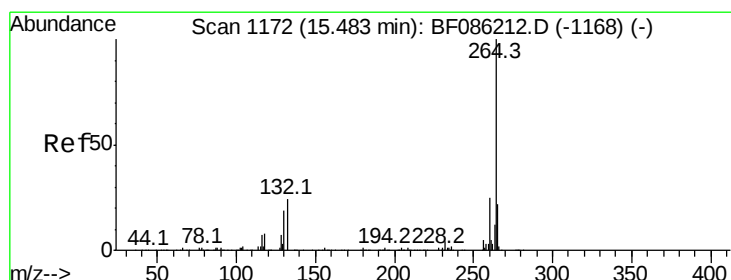
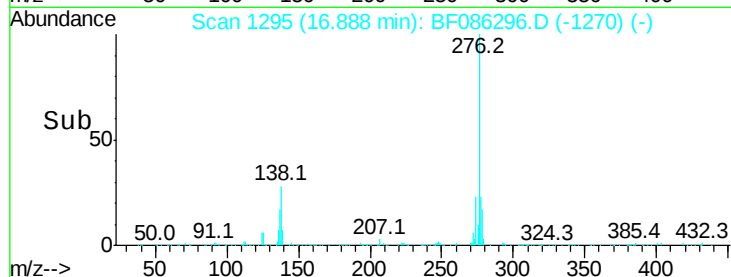
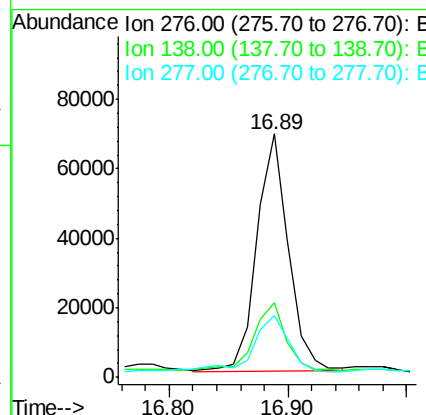
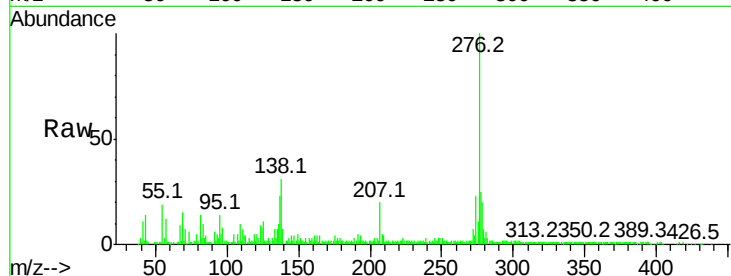
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.35 ng
 RT: 16.89 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	23.8	35.6
277	28.7	20.2	30.2

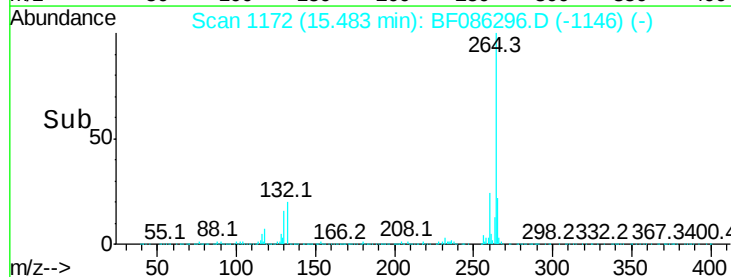
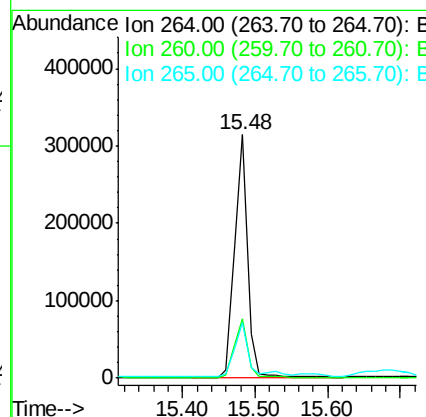
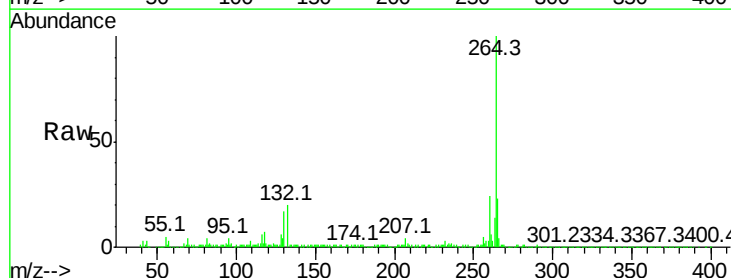
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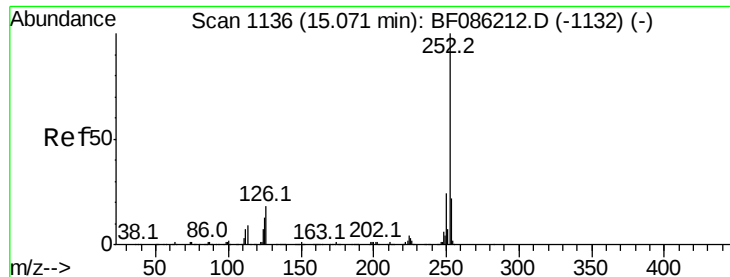
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	22.5	17.4	26.0





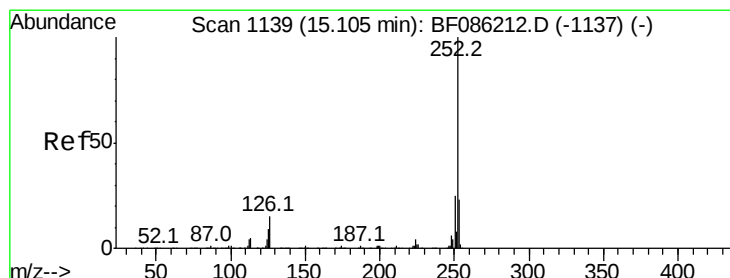
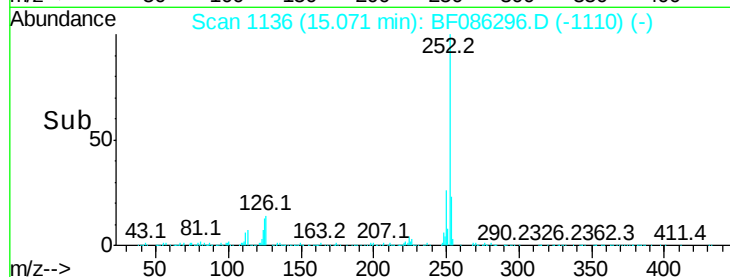
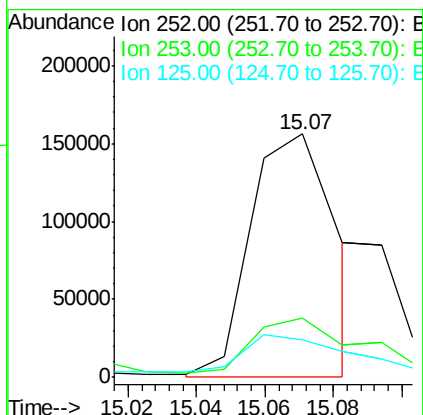
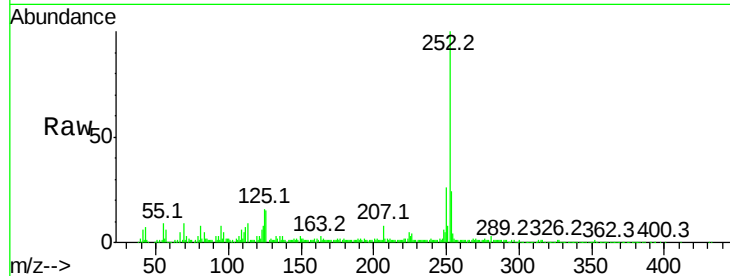
#87
Benzo(b)fluoranthene
Concen: 11.23 ng m
RT: 15.07 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	15.6	10.3	15.5#

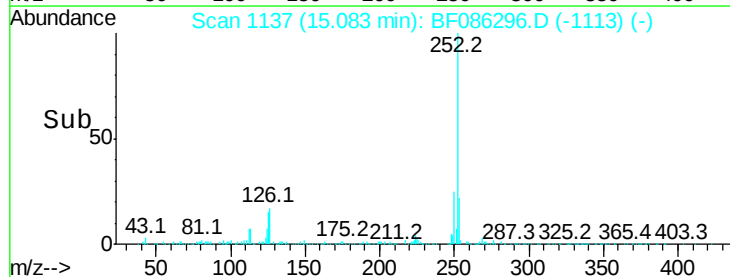
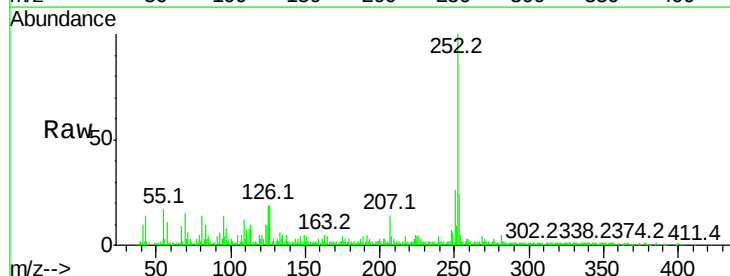
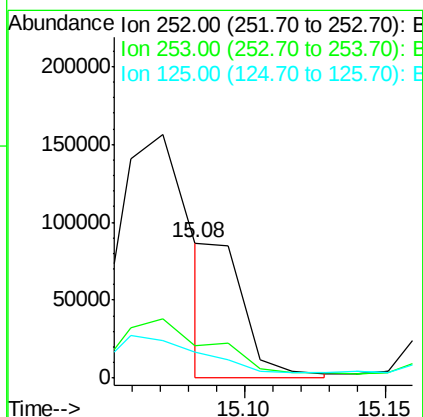
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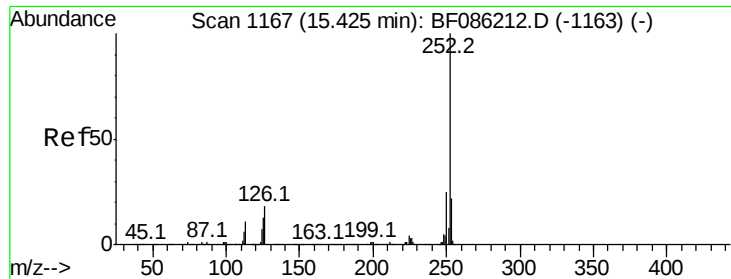
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#88
Benzo(k)fluoranthene
Concen: 3.22 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	18.8	7.8	11.6#





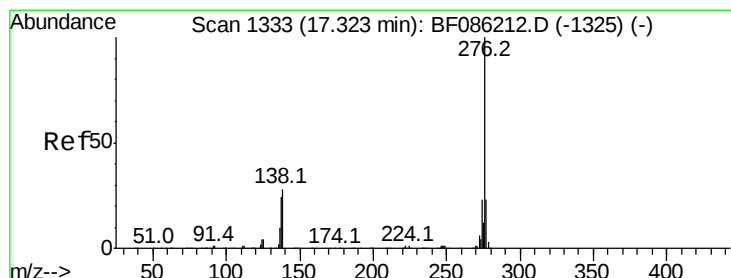
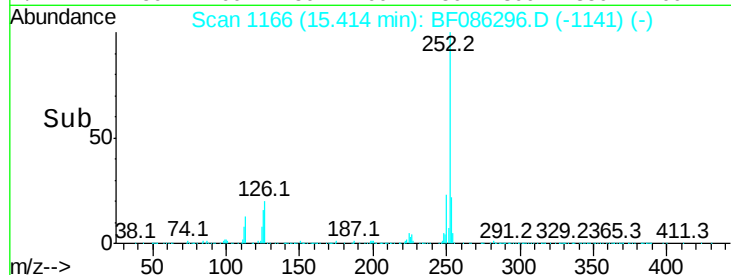
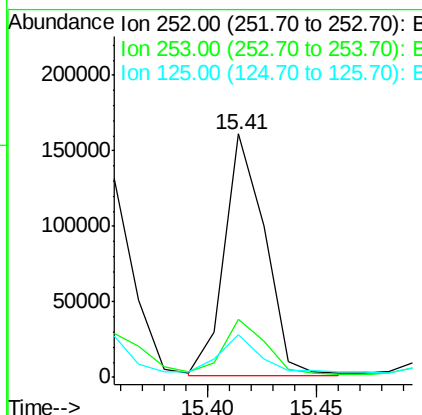
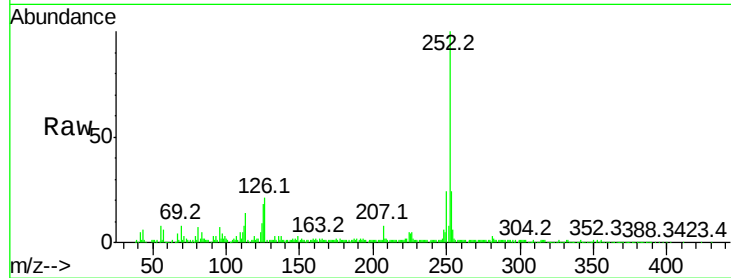
#89
Benzo(a)pyrene
Concen: 9.81 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
Client Sampled :
SP-1-C(0-2)

Tot Ion:	252	Resp:	205941
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	17.7	11.2	16.8#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.14 ng
RT: 17.31 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:	276	Resp:	160618
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.0	28.6
138	29.5	19.6	29.4#

