

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
 Data File : BF086272.D
 Acq On : 16 Apr 2016 18:09
 Operator : UM/SJ
 Sample : H2413-04
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-D-4(0-2)

Manual Integrations
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 4/18/2016 7:35:13 PM

Quant Time: Apr 18 18:04:21 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	312854	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1195978	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	524245	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	793597	20.00	ng	0.00
75) Chrysene-d12	14.05	240	529659	20.00	ng	0.00
86) Perylene-d12	15.49	264	548964	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1683554	88.17	ng	0.01
7) Phenol-d6	6.52	99	2016365	84.42	ng	0.00
23) Nitrobenzene-d5	7.46	82	1506448	72.65	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	383749	91.16	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1887309	66.43	ng	-0.01
78) Terphenyl-d14	13.00	244	1089210	51.71	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.65	163	334642	8.78	ng	98
70) Phenanthrene	11.44	178	652939	17.23	ng	100
71) Anthracene	11.49	178	203154	3.55	ng	97
74) Fluoranthene	12.62	202	1036252	29.87	ng	98
77) Pyrene	12.85	202	934942	23.01	ng	99
80) Benzo(a)anthracene	14.04	228	449061	15.44	ng	99
82) Chrysene	14.08	228	430847m	13.90	ng	
85) Indeno(1,2,3-cd)pyrene	16.90	276	230043	9.03	ng	93
87) Benzo(b)fluoranthene	15.07	252	598945m	17.68	ng	
88) Benzo(k)fluoranthene	15.09	252	146219m	4.73	ng	
89) Benzo(a)pyrene	15.43	252	400360	13.65	ng	# 95
90) Dibenzo(a,h)anthracene	16.91	278	53878	2.08	ng	# 86
91) Benzo(a,h,i)perylene	17.32	276	217455	7.89	ng	96

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

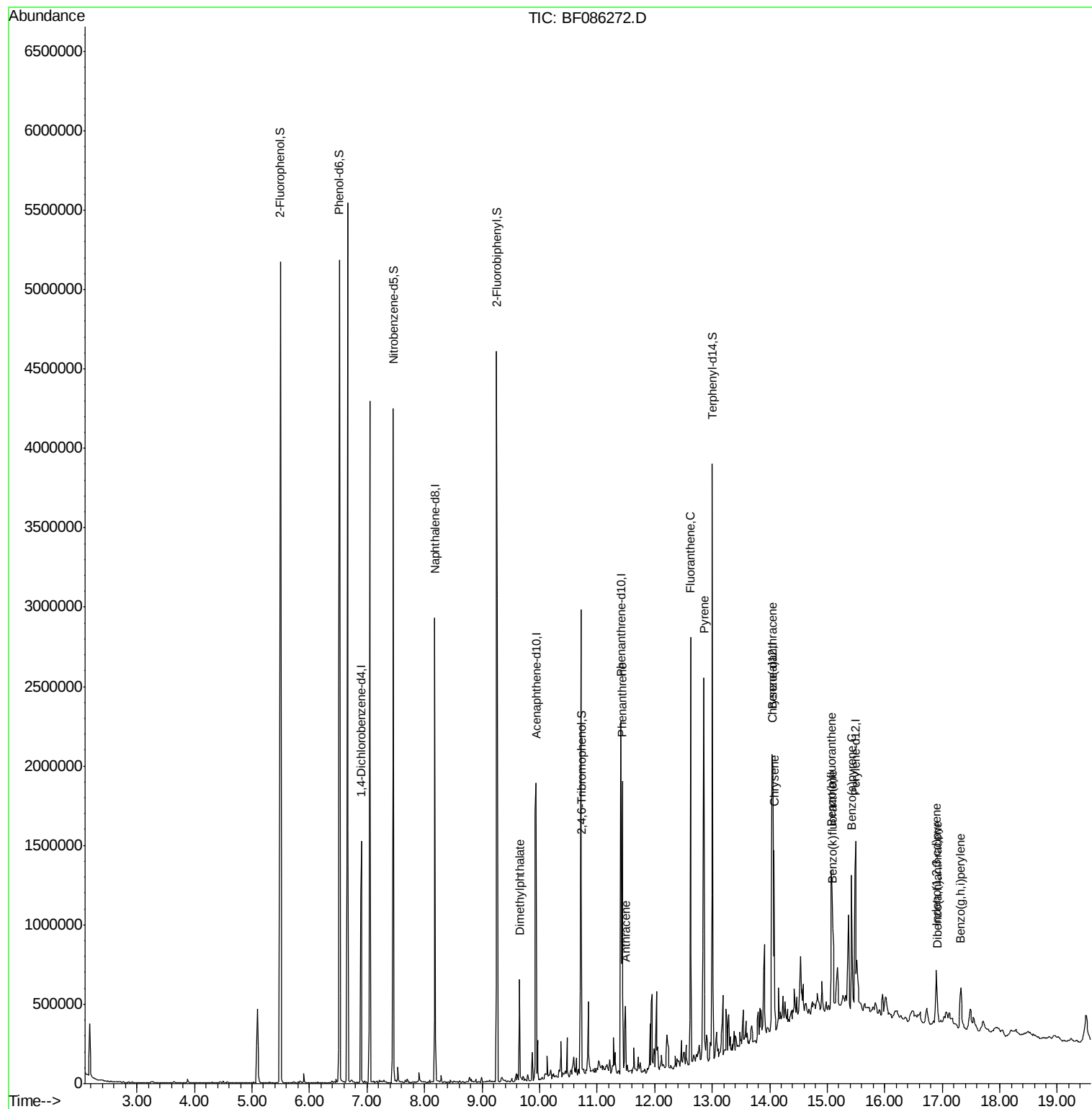
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086272.D
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Operator : UM/SJ
Sample : H2413-04
Misc :
ALS Vial : 51 Sample Multiplier: 1

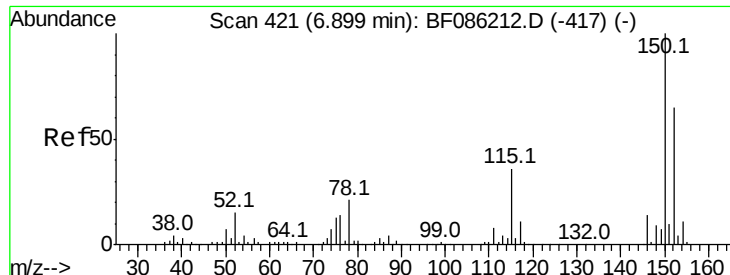
Instrument :
BNA_F
ClientSampleId :
SP-2-D-4(0-2)

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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: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Instrument :

BNA_F

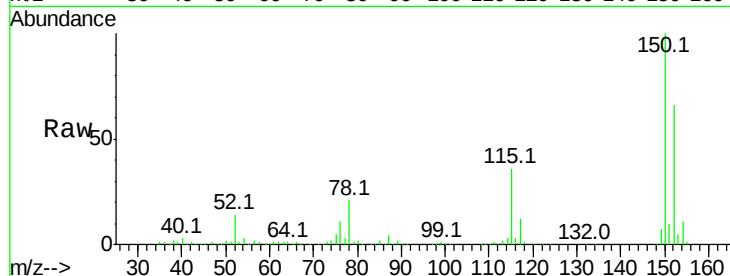
ClientSampleId :

SP-2-D-4(0-2)

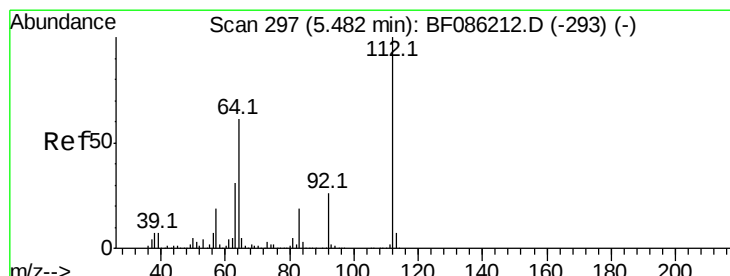
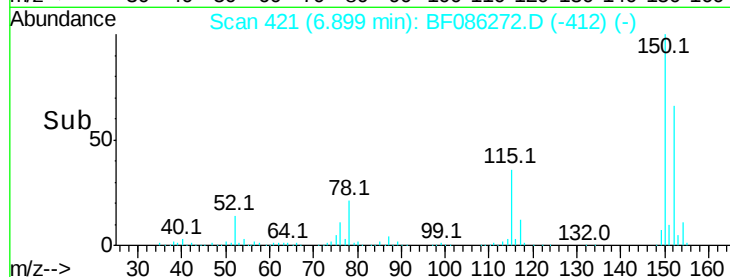
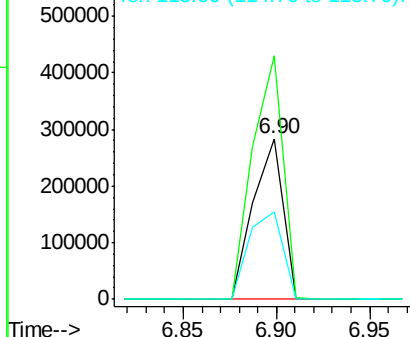
Tot Ion:	152	Resp:	312854
Ion Ratio	Lower	Upper	
152	100		
150	151.6	124.1	186.1
115	54.7	43.9	65.9

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 88.17 ng

RT: 5.49 min Scan# 298

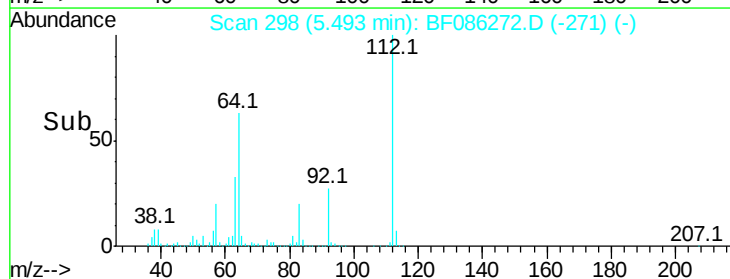
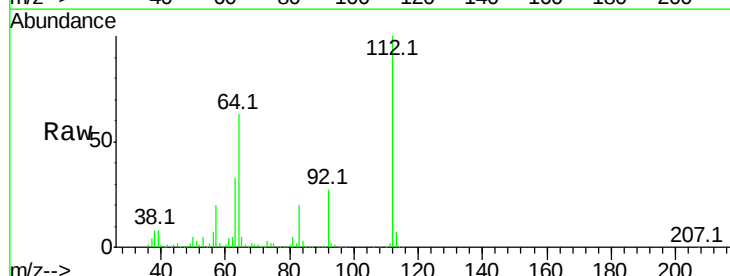
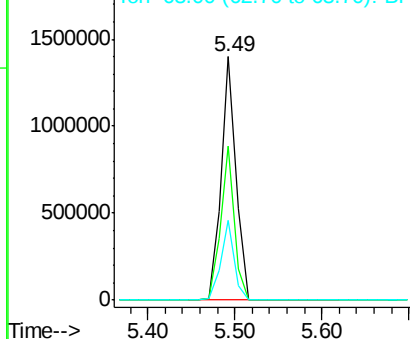
Delta R.T. 0.01 min

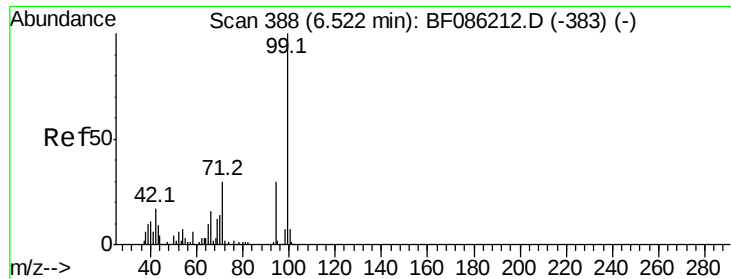
Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Tgt Ion:	112	Resp:	1683554
Ion Ratio	Lower	Upper	
112	100		
64	63.2	48.1	72.1
63	33.0	25.5	38.3

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





#7

Phenol-d6

Concen: 84.42 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Instrument :

BNA_F

ClientSampleId :

SP-2-D-4(0-2)

Tot Ion: 99 Resp: 2016365

Ion Ratio Lower Upper

99 100

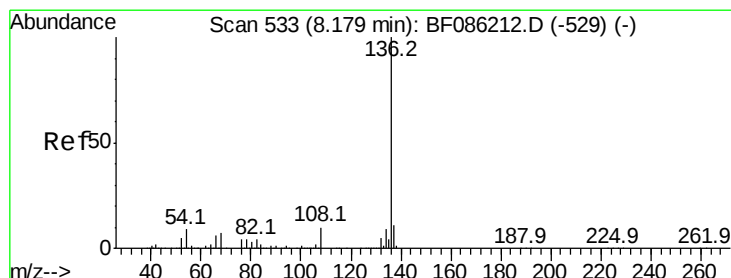
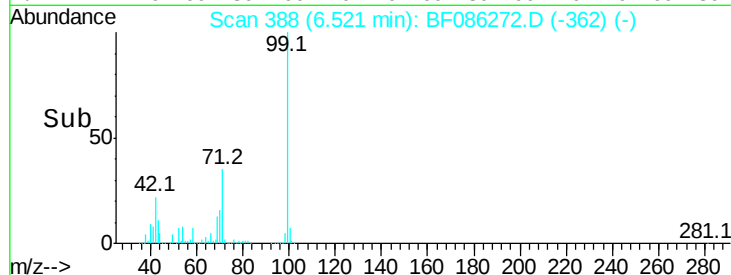
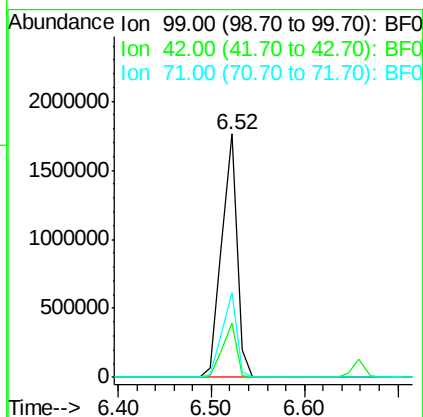
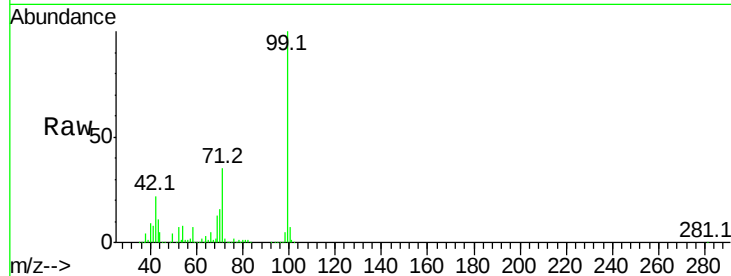
42 22.1 15.4 23.2

71 35.0 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: BF086272.D

Acq: 16 Apr 2016 18:09

Tgt Ion: 136 Resp: 1195978

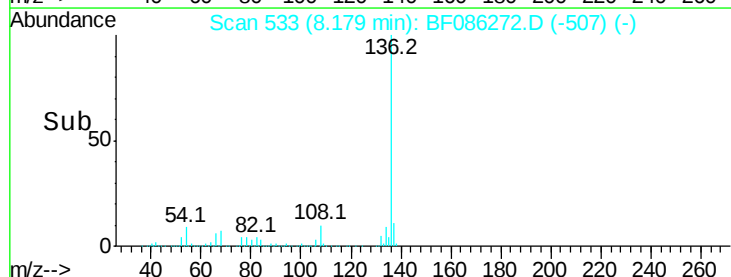
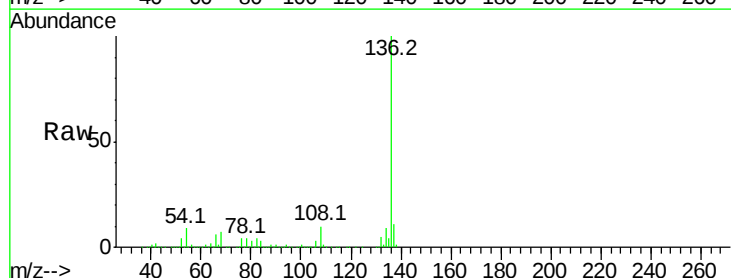
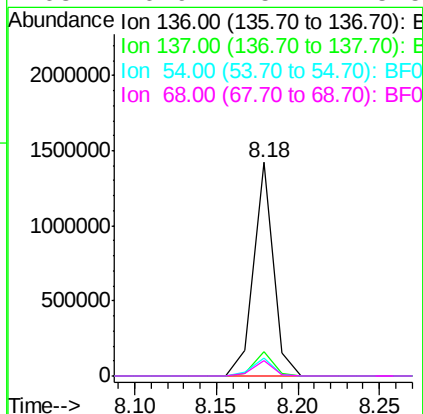
Ion Ratio Lower Upper

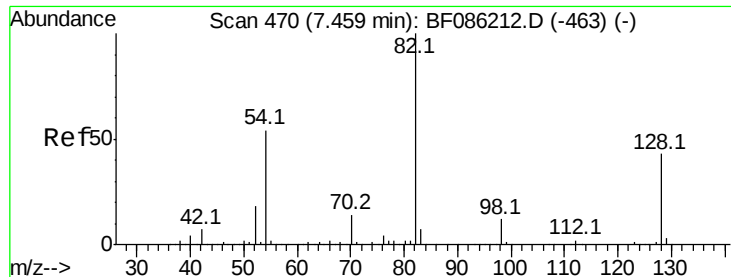
136 100

137 11.3 9.1 13.7

54 8.6 7.3 10.9

68 6.9 5.7 8.5





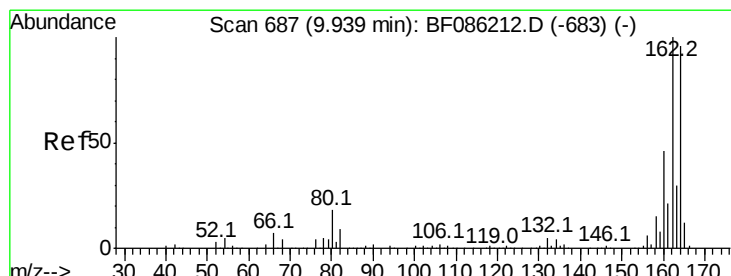
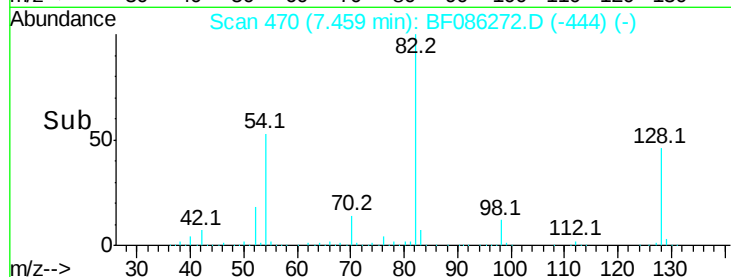
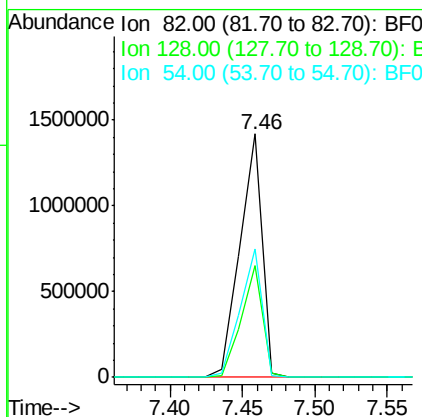
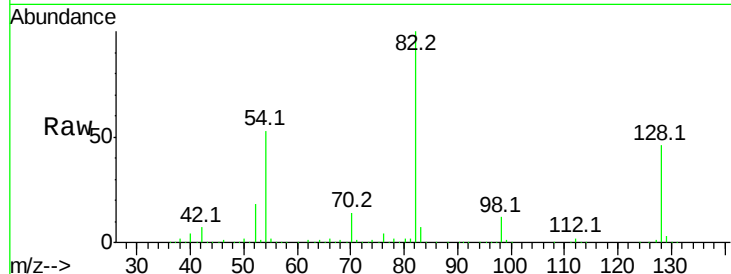
#23
 Nitrobenzene-d5
 Concen: 72.65 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: BF086272.D
 Acq: 16 Apr 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-D-4(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.4	53.2
54	52.8	43.4	65.0

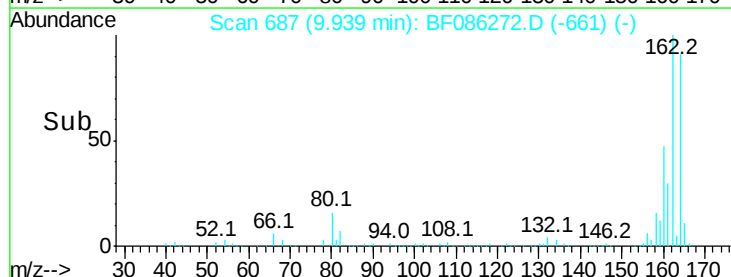
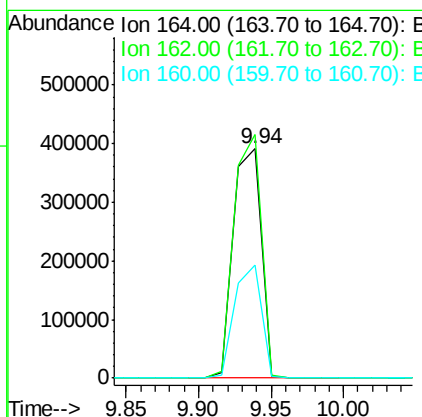
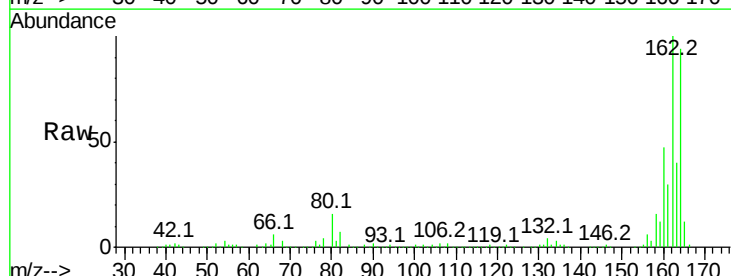
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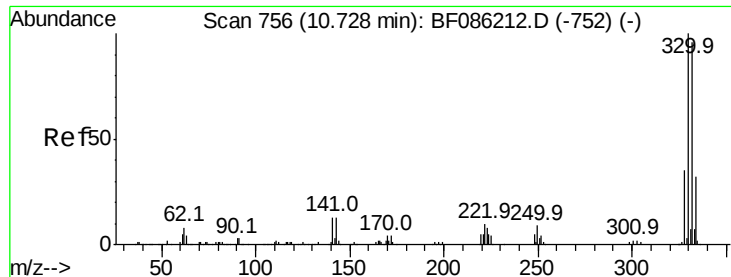
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: BF086272.D
 Acq: 16 Apr 2016 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	82.8	124.2
160	49.5	38.9	58.3





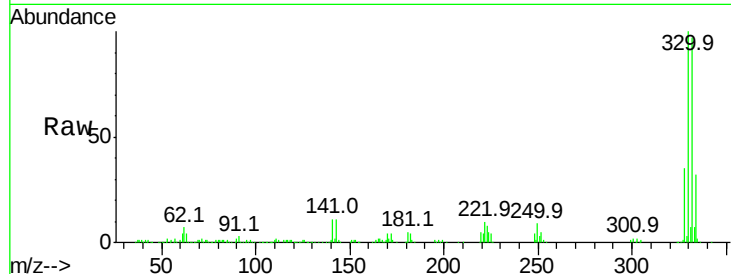
#41
 2,4,6-Tribromophenol
 Concen: 91.16 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF086272.D
 Acq: 16 Apr 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-D-4(0-2)

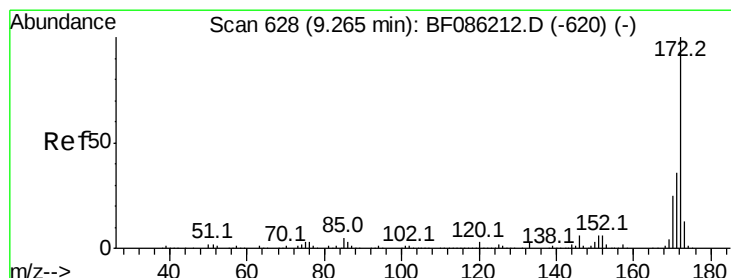
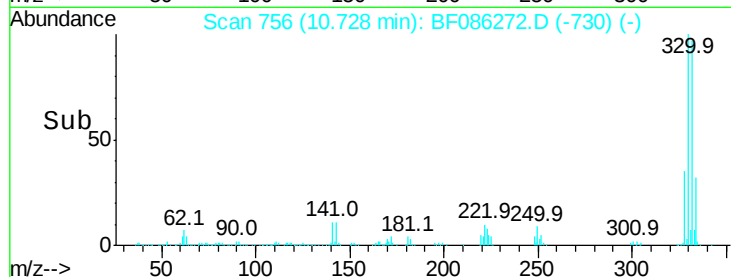
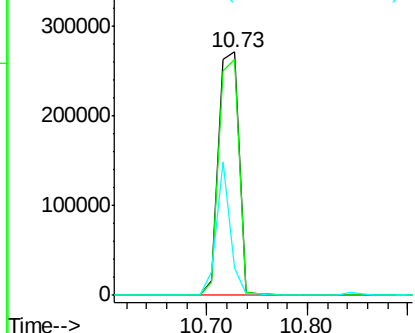
Tot Ion	Ratio	Resp	Lower	Upper
330	100	383749		
332	96.1		78.7	118.1
141	37.1		28.6	42.8

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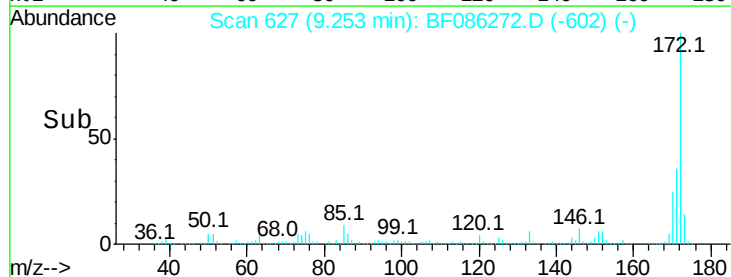
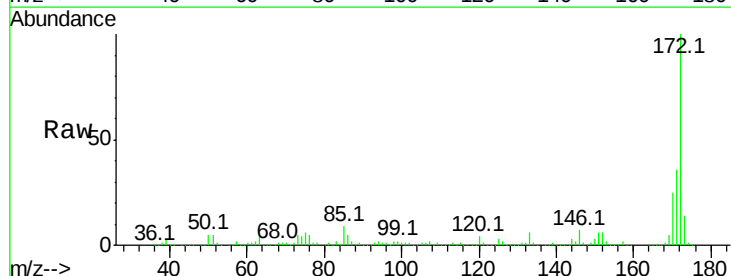
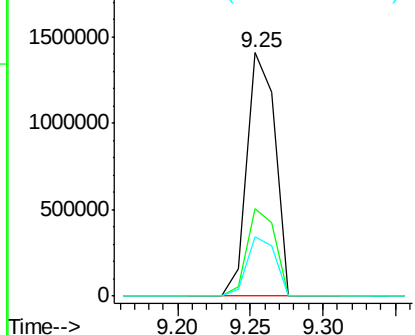
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

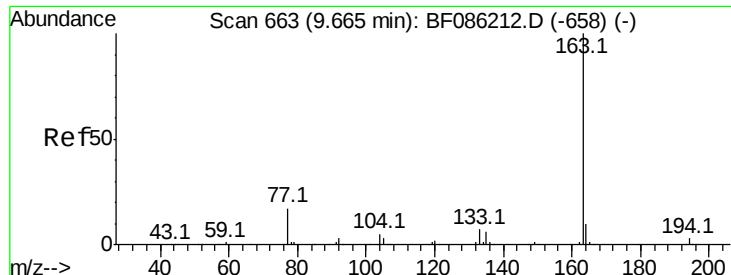


#44
 2-Fluorobiphenyl
 Concen: 66.43 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086272.D
 Acq: 16 Apr 2016 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1887309		
171	36.1		29.1	43.7
170	24.6		19.9	29.9

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





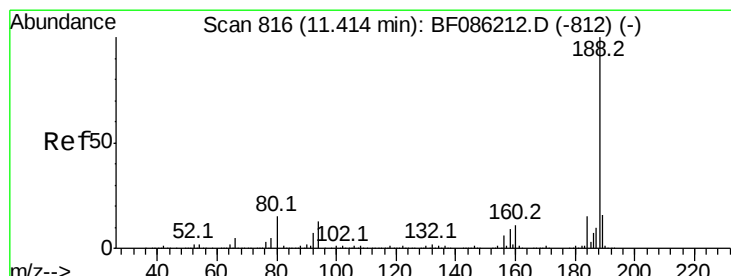
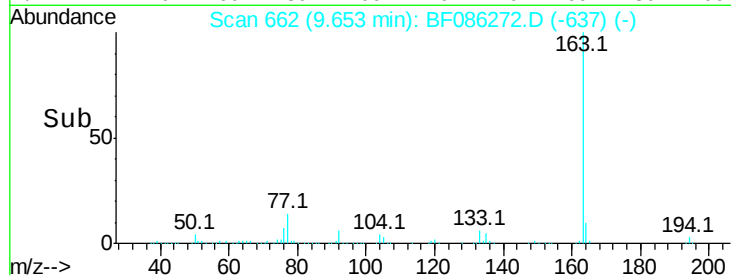
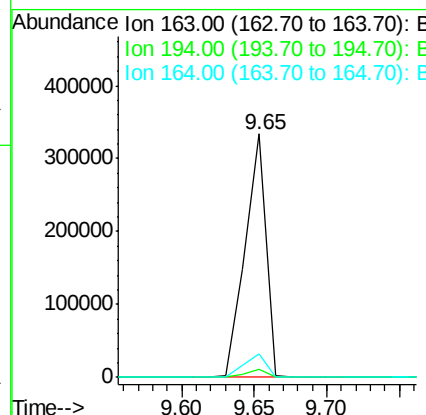
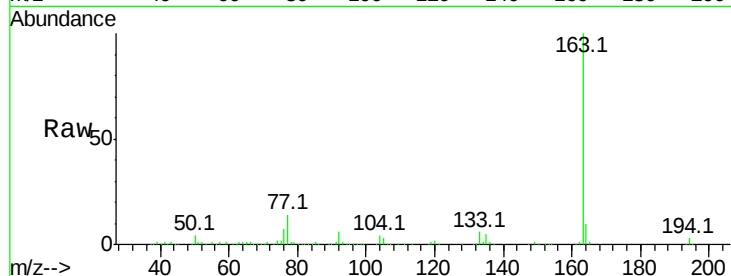
#49
Dimethylphthalate
Concen: 8.78 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF086272.D
Acq: 16 Apr 2016 18:09

Instrument :
BNA_F
ClientSampleId :
SP-2-D-4(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.8	4.2	
164	9.6	8.4	12.6	

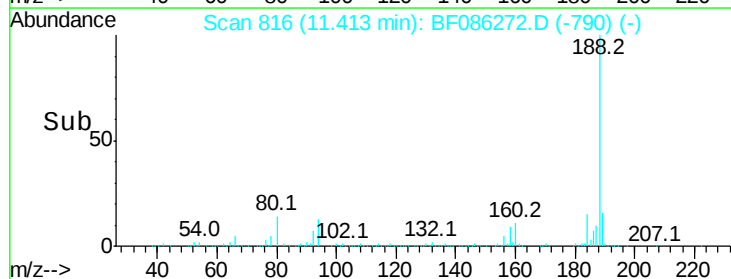
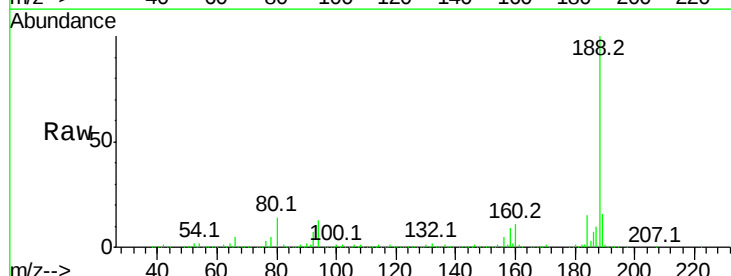
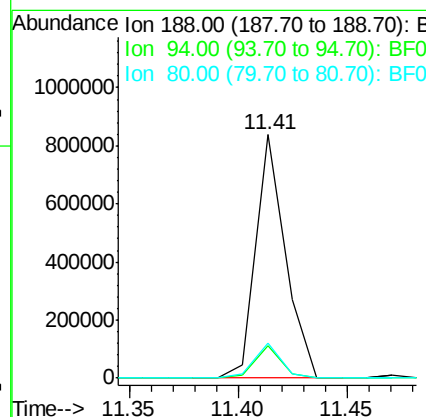
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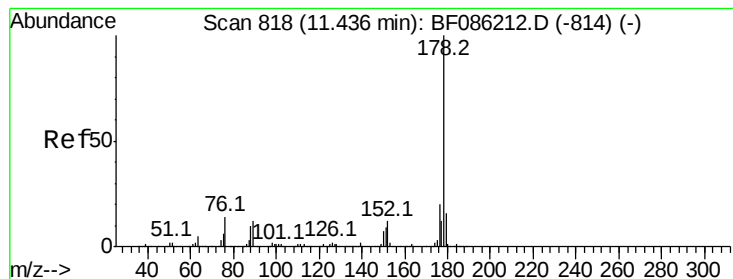
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086272.D
Acq: 16 Apr 2016 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	13.2	9.8	14.8	
80	14.5	10.5	15.7	





#70

Phenanthrene

Concen: 17.23 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Instrument :

BNA_F

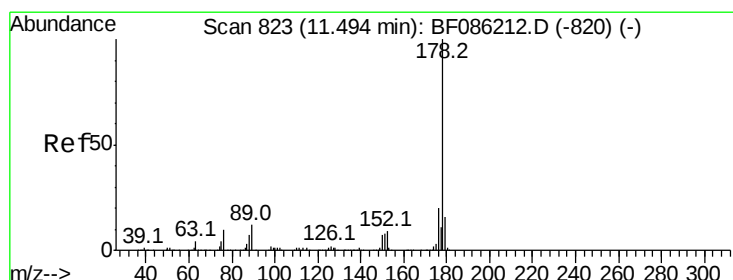
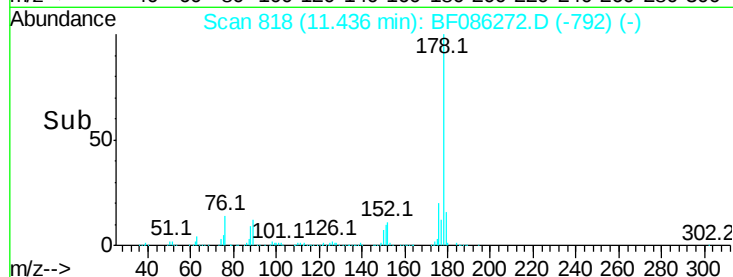
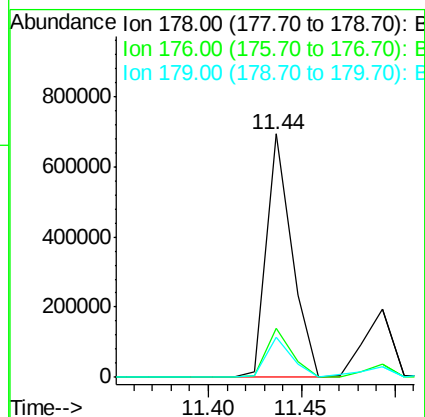
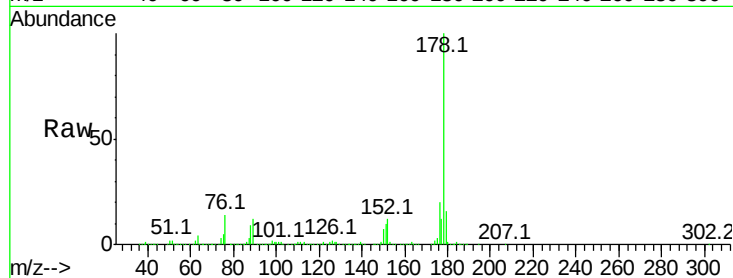
ClientSampleId :

SP-2-D-4(0-2)

Tot Ion:178	Resp:	652939
Ion Ratio	Lower	Upper
178	100	
176	20.4	16.3 24.5
179	16.3	13.0 19.6

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#71

Anthracene

Concen: 3.55 ng

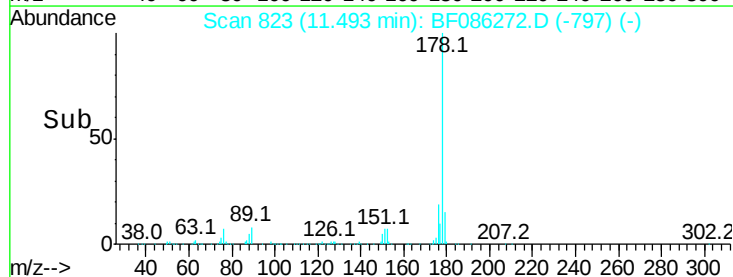
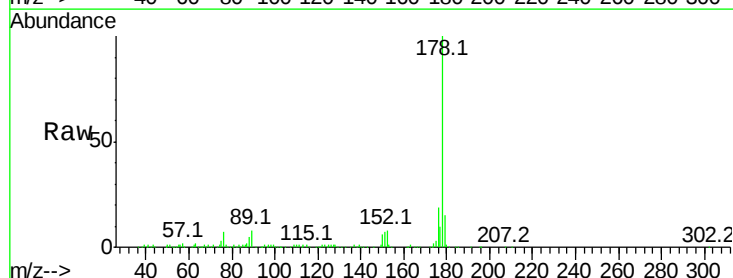
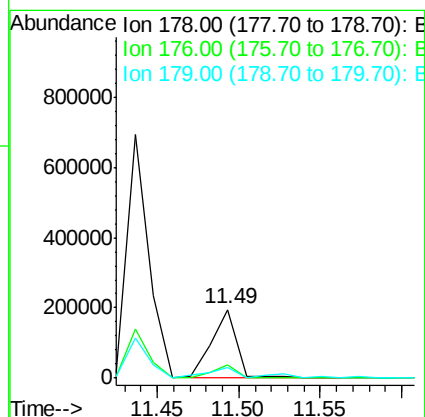
RT: 11.49 min Scan# 823

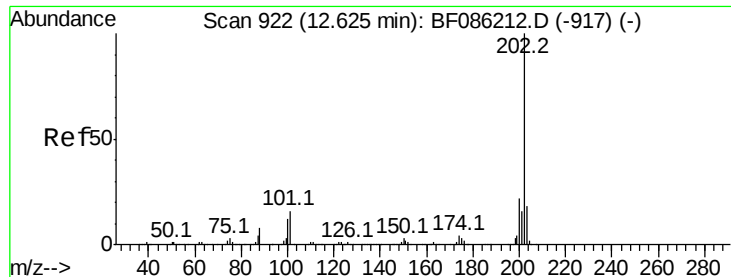
Delta R.T. 0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Tgt Ion:178	Resp:	203154
Ion Ratio	Lower	Upper
178	100	
176	19.0	16.2 24.4
179	15.2	13.2 19.8





#74

Fluoranthene

Concen: 29.87 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Instrument :

BNA_F

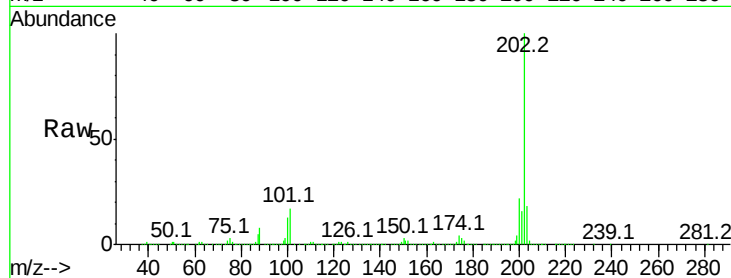
ClientSampled :

SP-2-D-4(0-2)

Tot Ion:	202	Resp:	1036252
Ion Ratio	Lower	Upper	
202	100		
101	16.7	0.0	35.2
203	18.5	0.0	38.2

Manual Integrations
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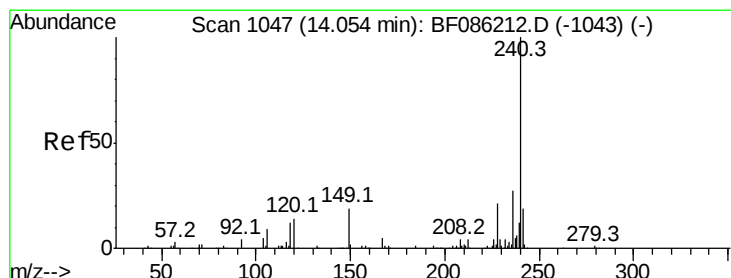
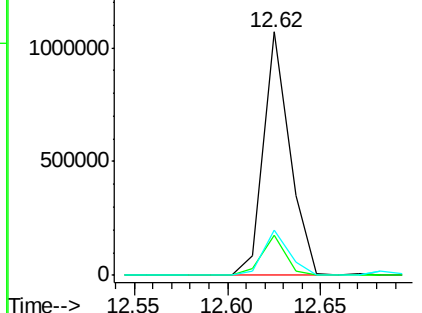
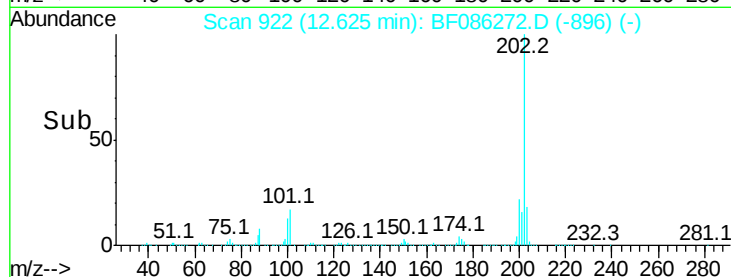
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

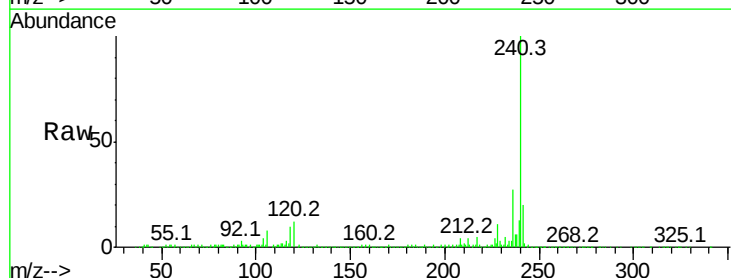
RT: 14.05 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

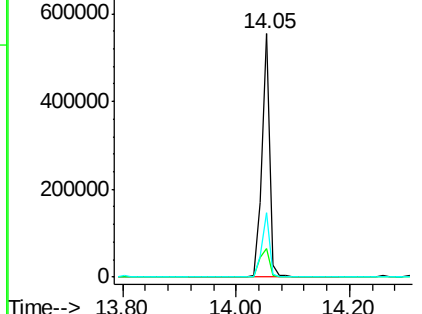
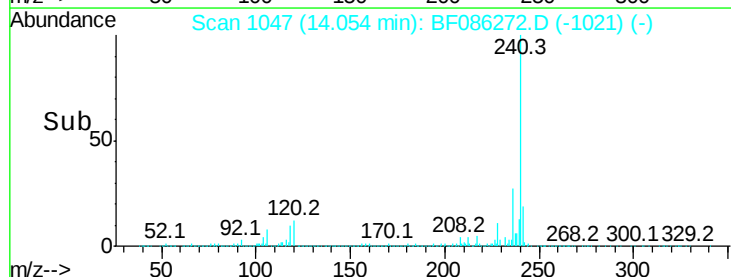
Tgt Ion:	240	Resp:	529659
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.3	13.9
236	26.7	21.1	31.7

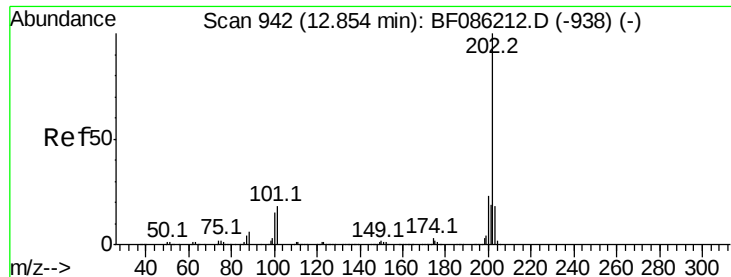


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





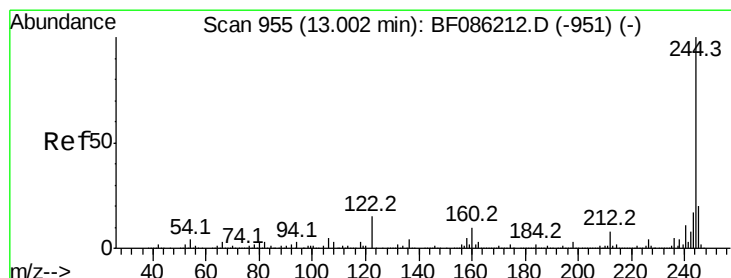
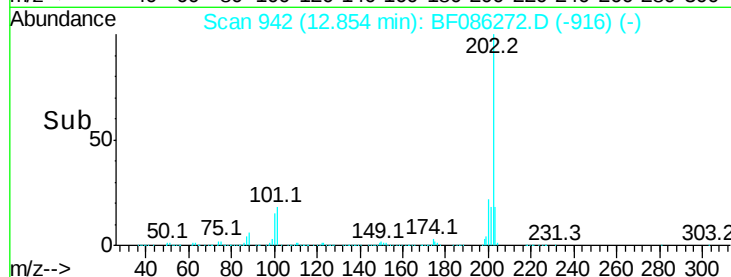
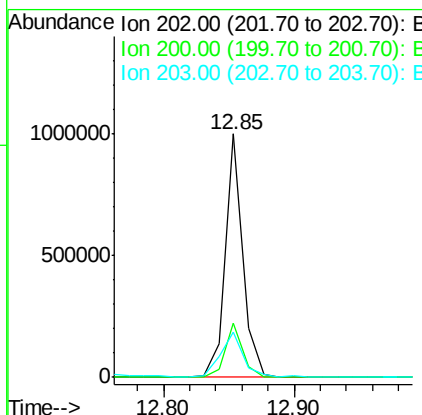
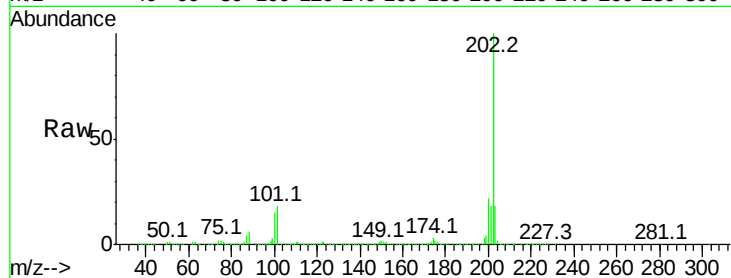
#77
Pvrene
Concen: 23.01 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF086272.D
Acq: 16 Apr 2016 18:09

Instrument :
BNA_F
ClientSampleId :
SP-2-D-4(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.2	18.3	27.5
203	18.5	14.9	22.3

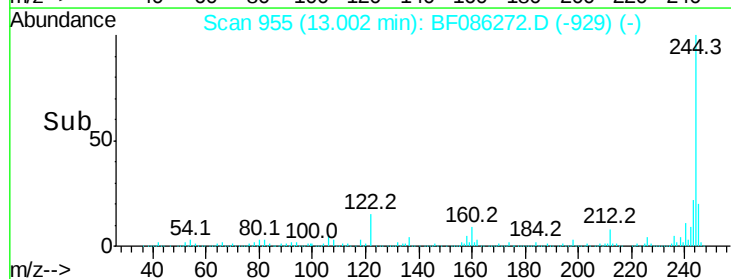
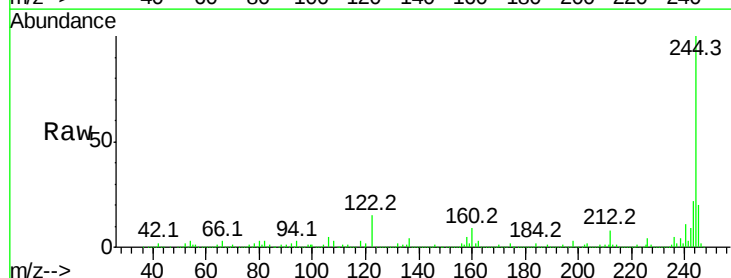
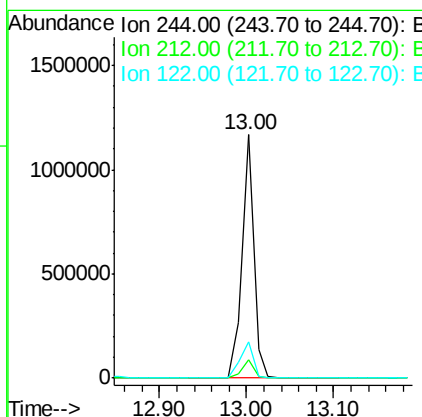
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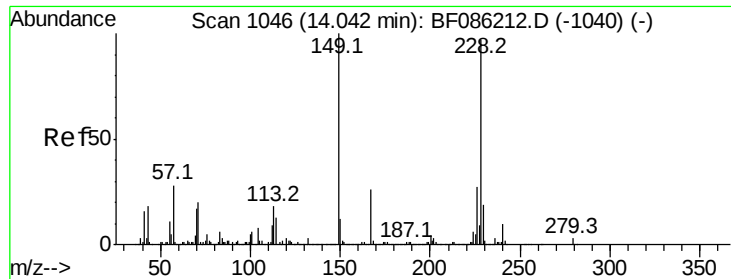
Sohil
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#78
Terphenyl-d14
Concen: 51.71 ng
RT: 13.00 min Scan# 955
Delta R.T. 0.00 min
Lab File: BF086272.D
Acq: 16 Apr 2016 18:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.7	6.4	9.6
122	15.1	11.7	17.5





#80

Benzo(a)anthracene

Concen: 15.44 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Instrument :

BNA_F

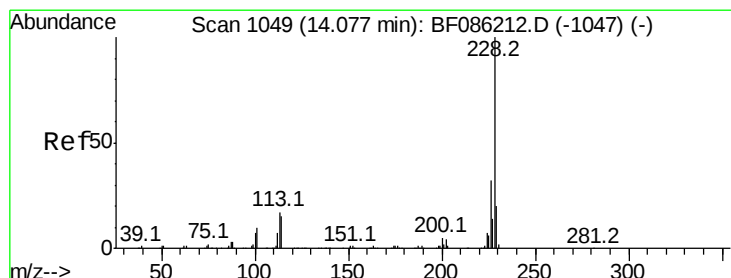
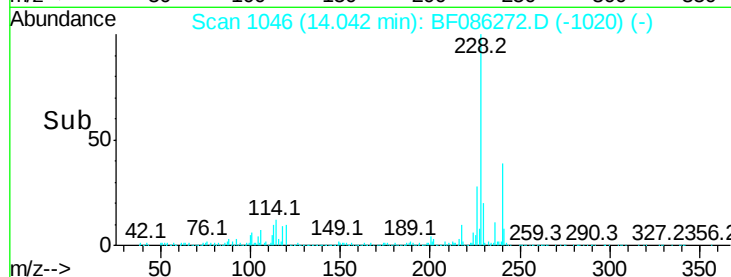
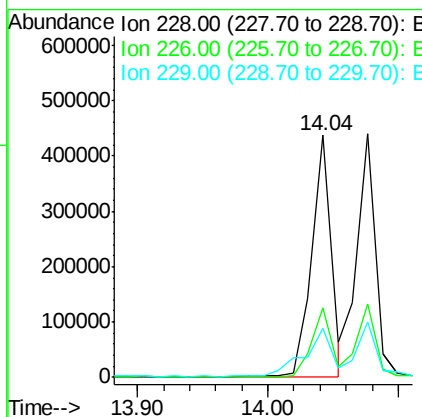
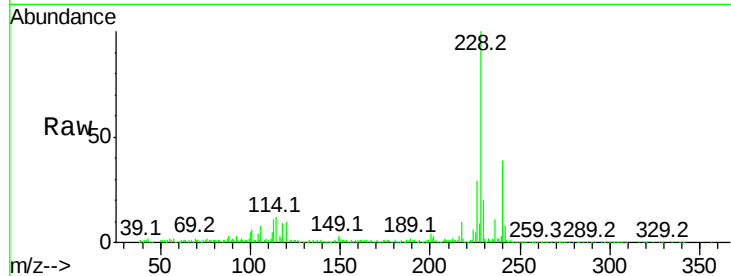
ClientSampleId :

SP-2-D-4(0-2)

Tot Ion:	228	Resp:	449061
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.5	33.7
229	20.3	16.2	24.2

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#82

Chrysene

Concen: 13.90 ng m

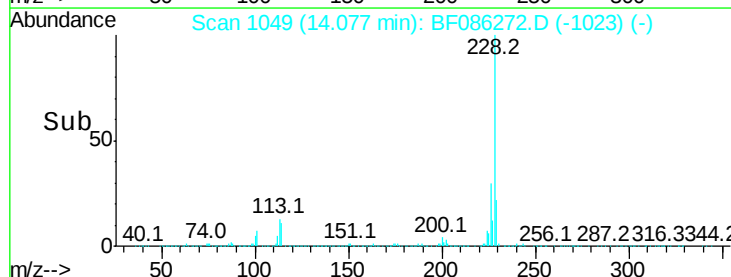
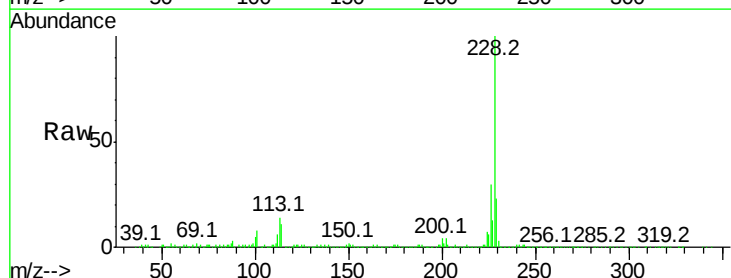
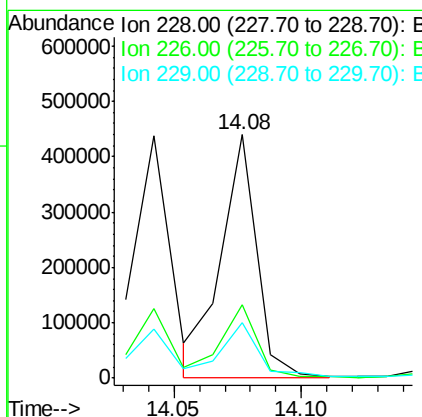
RT: 14.08 min Scan# 1049

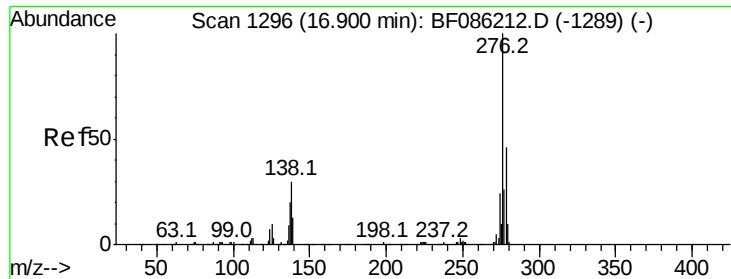
Delta R.T. -0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Tgt Ion:	228	Resp:	430847
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.4	38.2
229	22.6	16.5	24.7





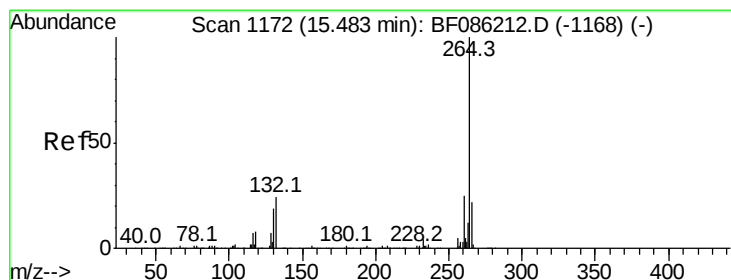
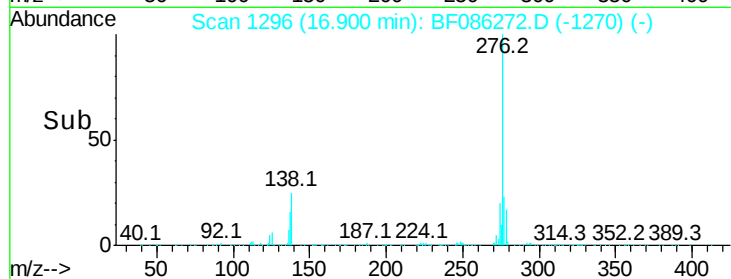
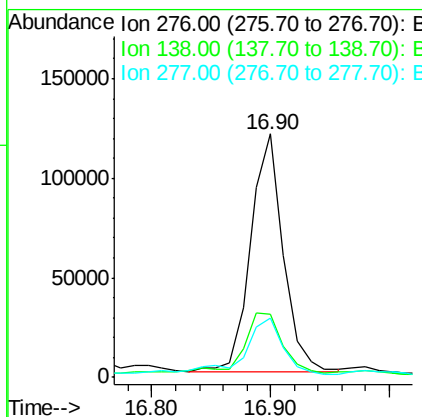
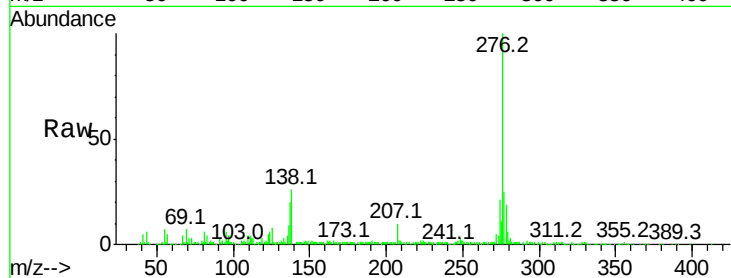
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.03 ng
RT: 16.90 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF086272.D
Acq: 16 Apr 2016 18:09

Instrument :
BNA_F
ClientSampleId :
SP-2-D-4(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	230043		
138	32.1	23.8	35.6	
277	30.1	20.2	30.2	

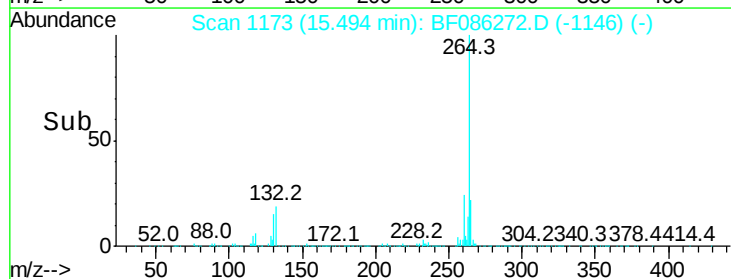
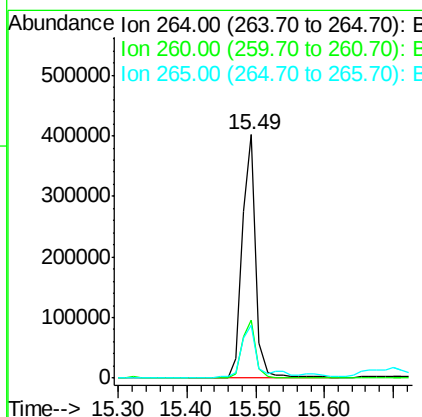
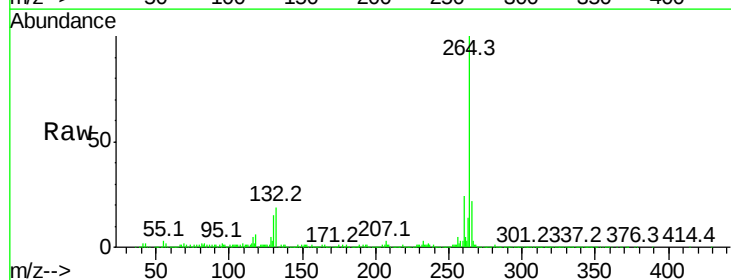
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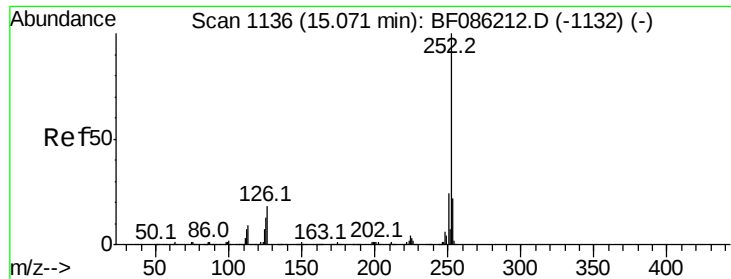
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF086272.D
Acq: 16 Apr 2016 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	548964		
260	24.0	20.0	30.0	
265	21.9	17.4	26.0	





#87

Benzo(b)fluoranthene

Concen: 17.68 ng m

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Instrument :

BNA_F

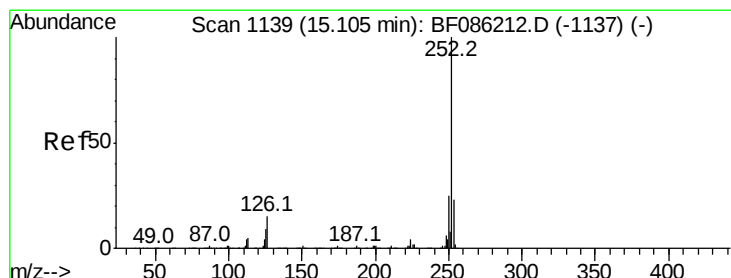
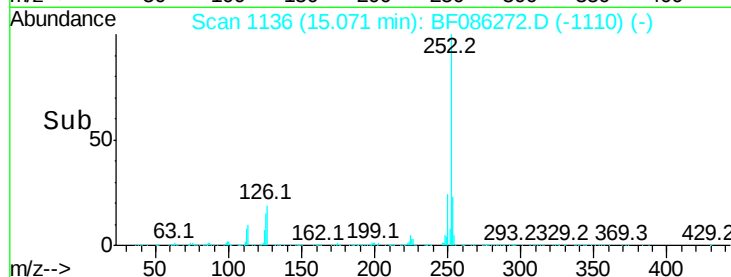
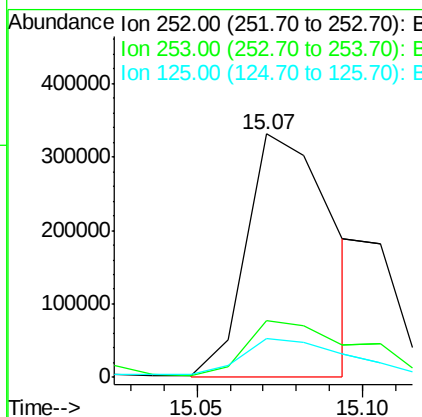
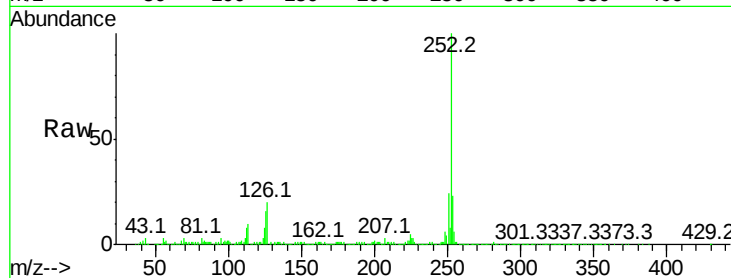
ClientSampleId :

SP-2-D-4(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.3	17.7	26.5	
125	16.2	10.3	15.5	

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#88

Benzo(k)fluoranthene

Concen: 4.73 ng m

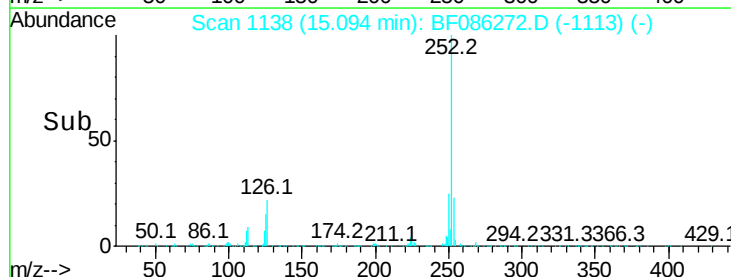
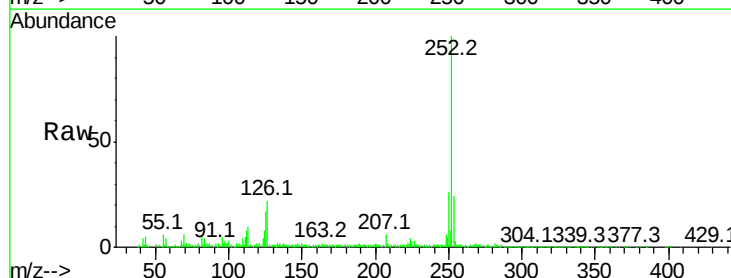
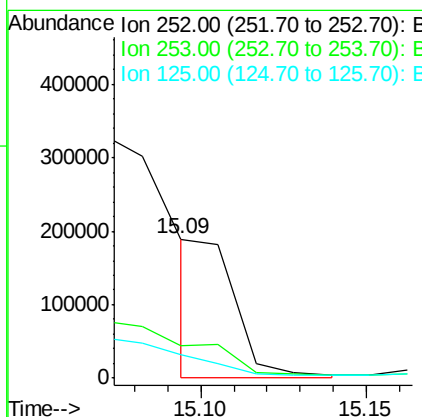
RT: 15.09 min Scan# 1138

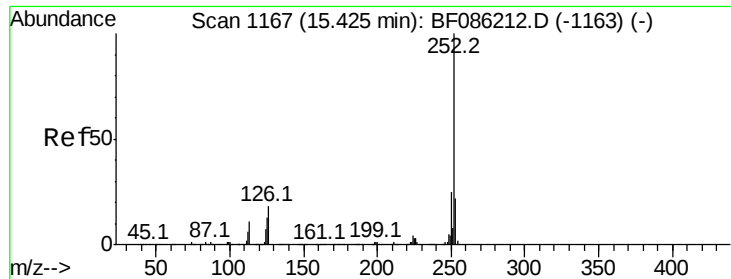
Delta R.T. -0.01 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.6	17.5	26.3	
125	16.6	7.8	11.6	





#89

Benzo(a)pyrene

Concen: 13.65 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Instrument :

BNA_F

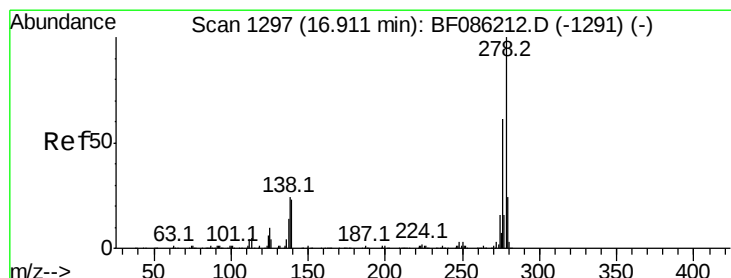
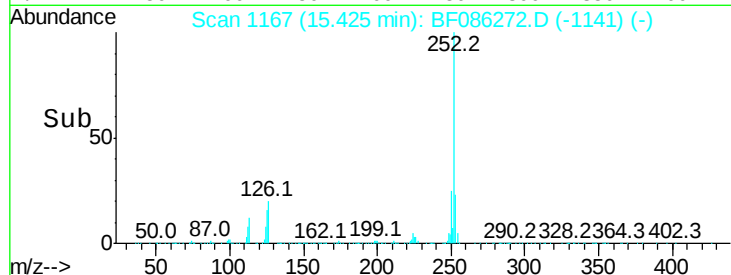
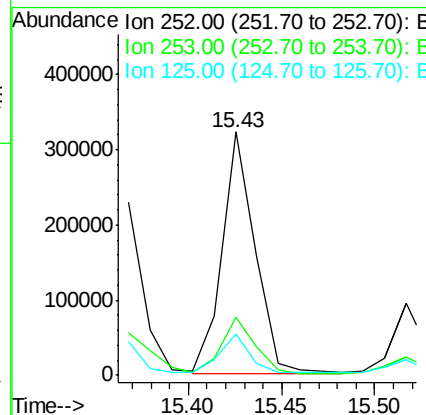
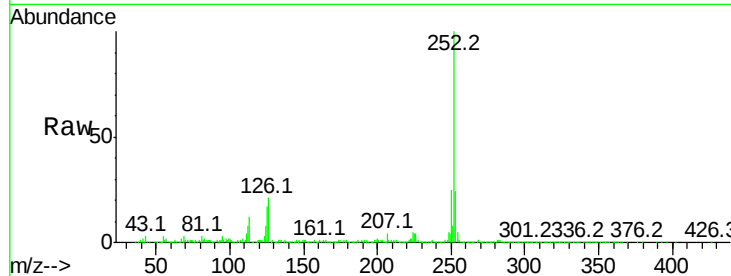
ClientSampleId :

SP-2-D-4(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	17.0	11.2	16.8

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#90

Dibenzo(a,h)anthracene

Concen: 2.08 ng

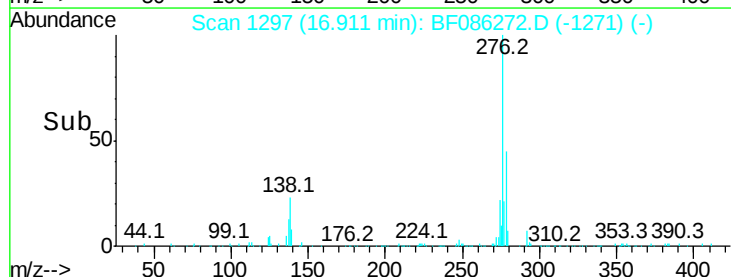
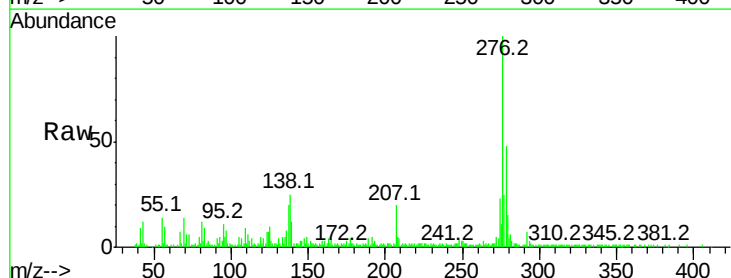
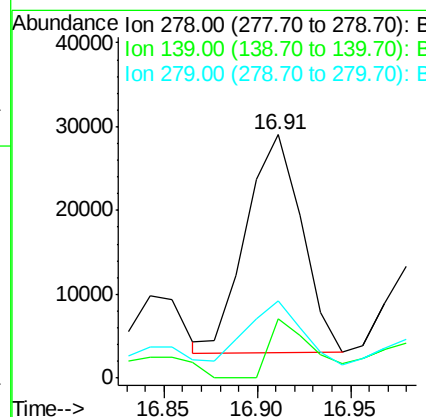
RT: 16.91 min Scan# 1297

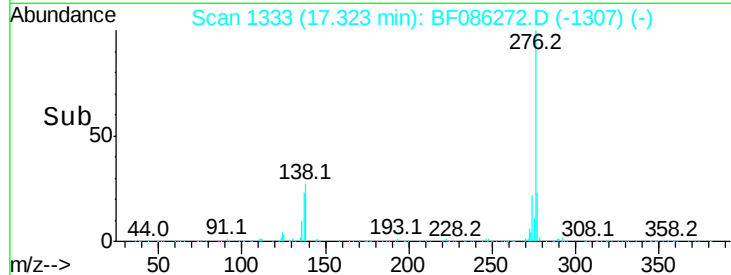
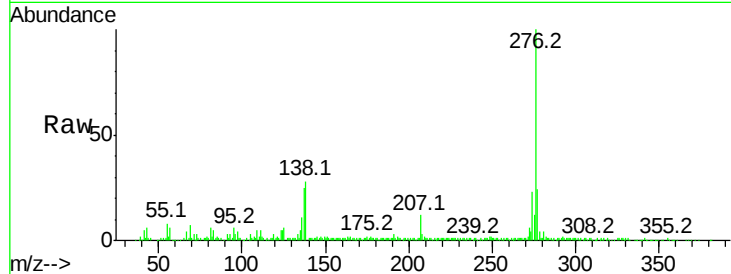
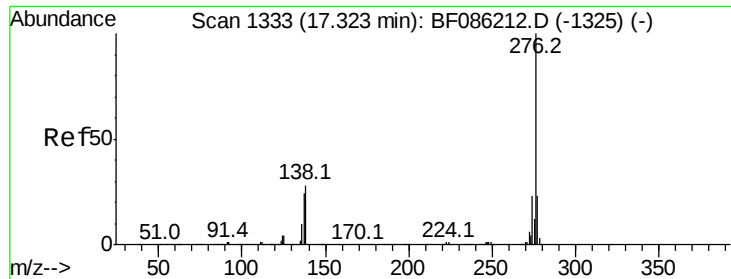
Delta R.T. -0.00 min

Lab File: BF086272.D

Acq: 16 Apr 2016 18:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.4	15.3	22.9
279	31.6	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 7.89 ng
 RT: 17.32 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: BF086272.D
 Acq: 16 Apr 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-D-4(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	217455		
277	24.3		19.0	28.6
138	28.4		19.6	29.4

Manual Integrations
 APPROVED

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