

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098934.D
 Acq On : 29 Sep 2017 4:04
 Operator : SJ/JU
 Sample : I5514-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-092817

Manual Integrations
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 9/29/2017 6:04:59 PM

Quant Time: Sep 29 12:48:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	114548	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	396951	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	145637	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	253880	20.00	ng	0.00
75) Chrysene-d12	14.09	240	243282	20.00	ng	0.00
86) Perylene-d12	15.58	264	177500	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	150519	20.92	ng	-0.01
7) Phenol-d6	6.53	99	164473	18.53	ng	-0.01
23) Nitrobenzene-d5	7.47	82	87974	14.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	20356	17.08	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	148567	17.03	ng	-0.01
78) Terphenyl-d14	13.02	244	138757	12.97	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.91	142	33194	2.739	ng	99
48) Acenaphthylene	9.82	152	54510	3.789	ng	96
51) Acenaphthene	9.99	154	29081	3.191	ng	96
54) Dibenzofuran	10.16	168	37420	3.084	ng	# 96
57) Fluorene	10.50	166	77247	7.921	ng	99
70) Phenanthrene	11.47	178	403160	29.667	ng	99
71) Anthracene	11.52	178	102875	7.399	ng	99
74) Fluoranthene	12.66	202	304306	22.114	ng	99
77) Pyrene	12.89	202	327633	17.661	ng	99
80) Benzo(a)anthracene	14.07	228	133725	9.078	ng	92
82) Chrysene	14.11	228	113456	8.090	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	31029	2.766	ng	99
87) Benzo(b)fluoranthene	15.14	252	102104m	9.356	ng	
88) Benzo(k)fluoranthene	15.16	252	28290m	2.624	ng	
89) Benzo(a)pyrene	15.52	252	72415	7.229	ng	# 95
91) Benzo(g,h,i)perylene	17.55	276	32051	4.044	ng	97

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

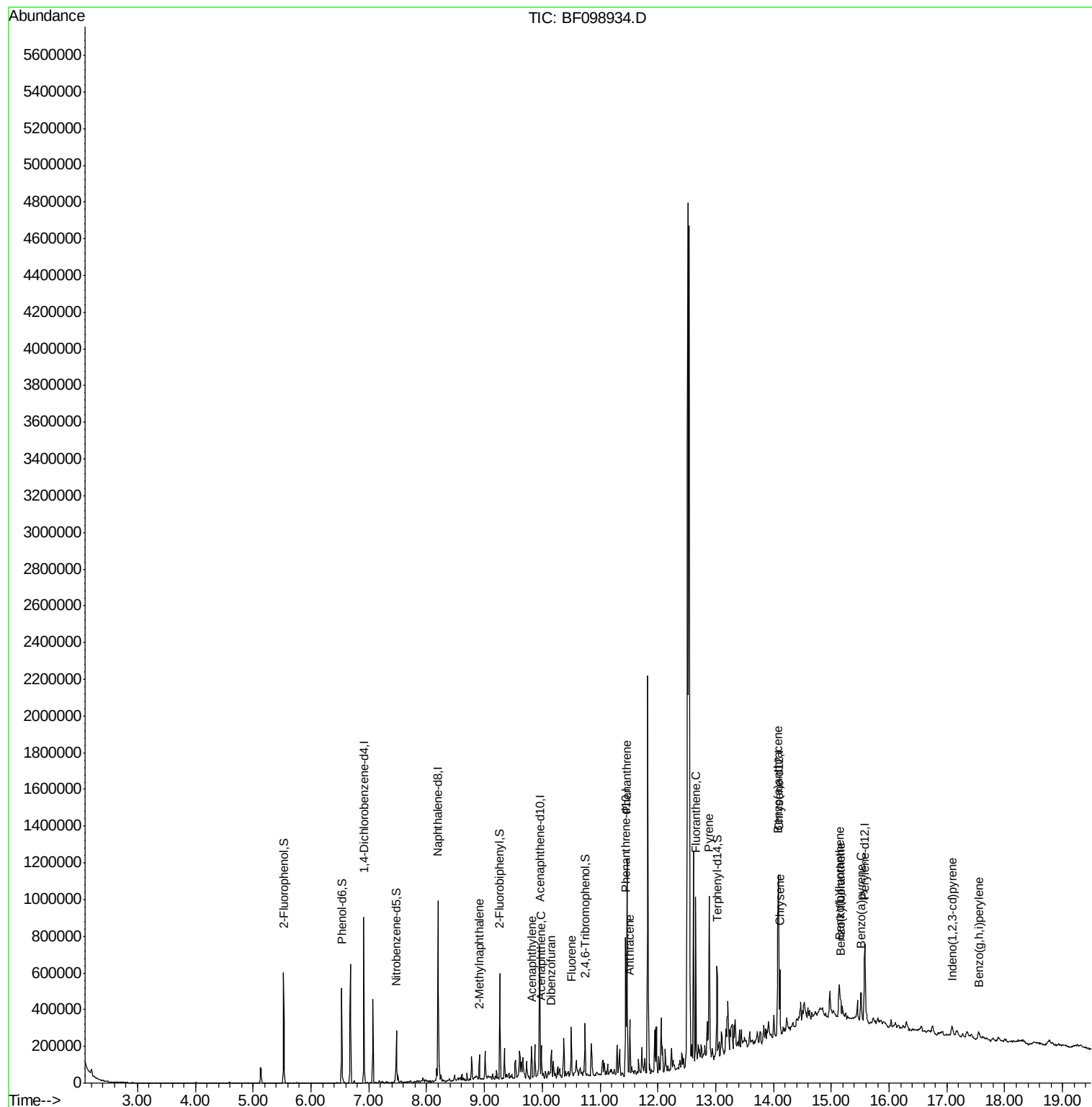
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098934.D
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ALS Vial : 23 Sample Multiplier: 1

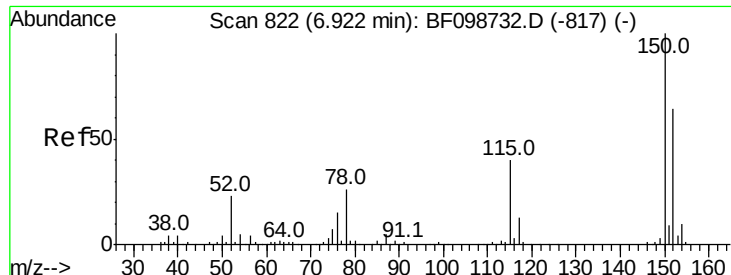
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

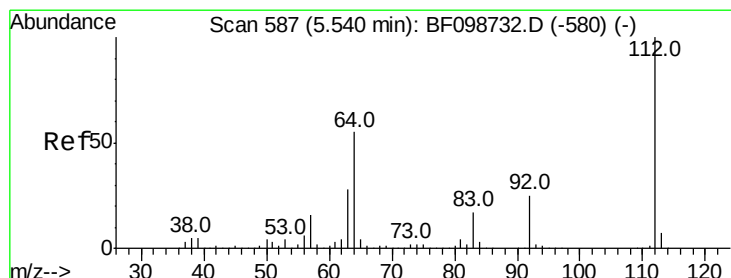
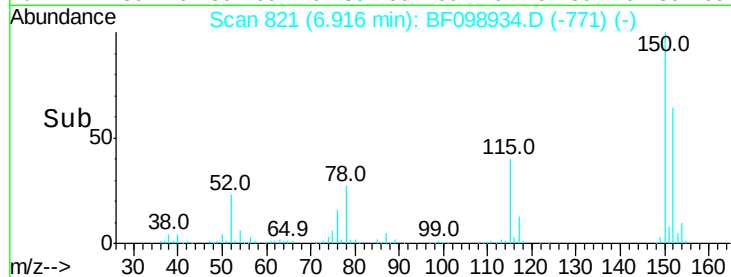
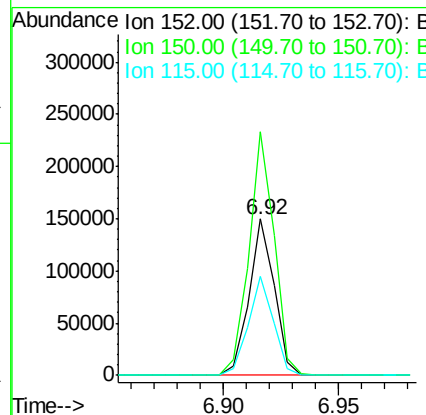
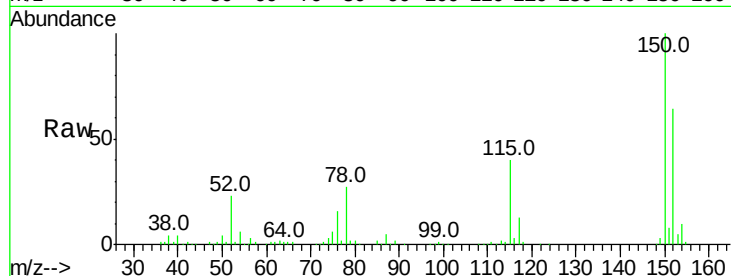
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :
SU-03-092817

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	63.1	50.1	75.1

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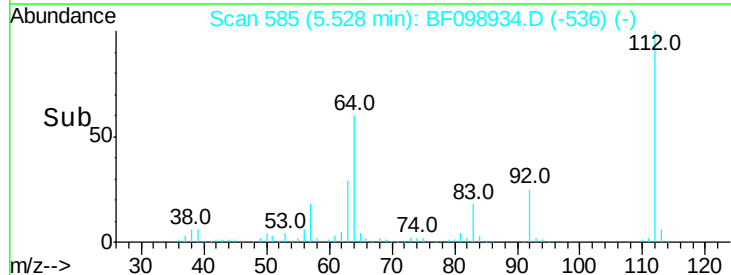
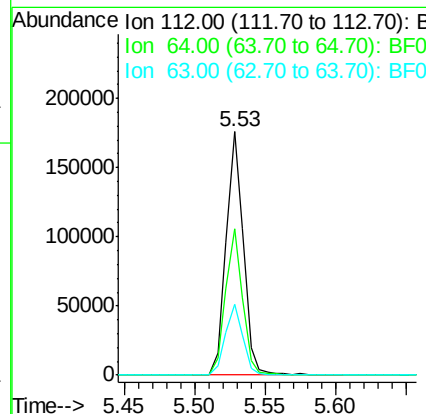
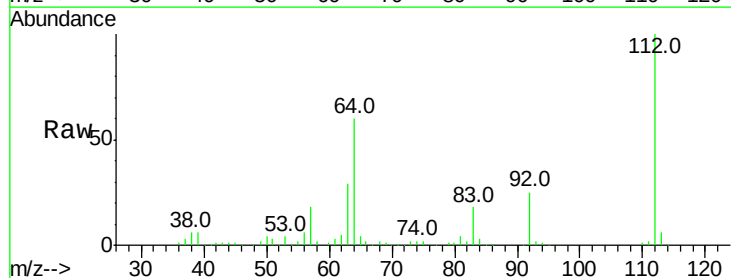
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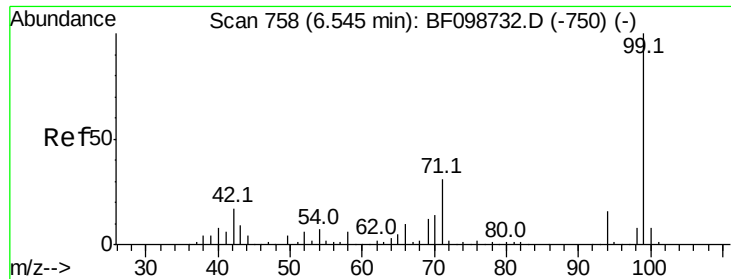


#5

2-Fluorophenol
Concen: 20.918 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	29.3	23.7	35.5





#7

Phenol-d6

Concen: 18.529 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

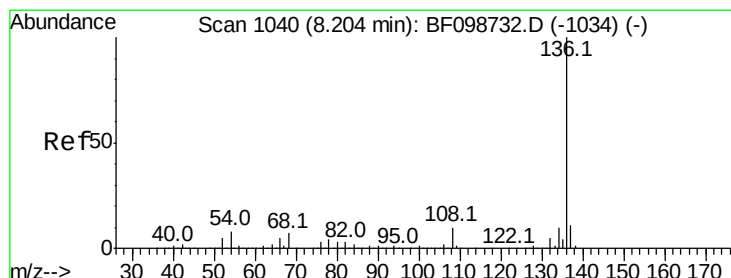
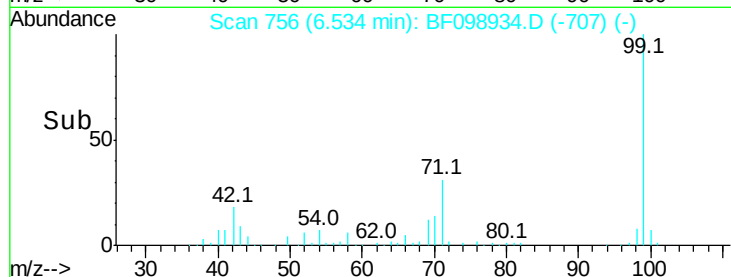
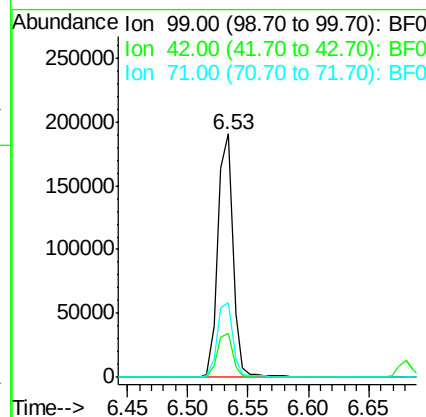
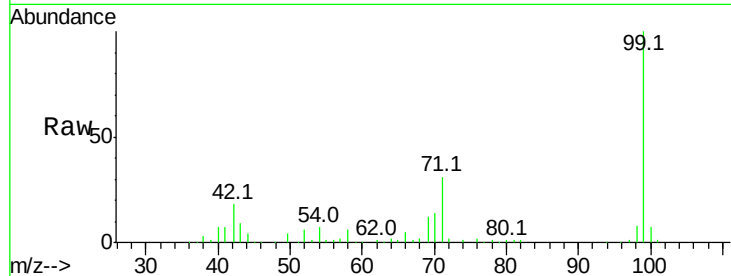
ClientSampled :

SU-03-092817

Tot Ion:	99	Resp:	164473
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

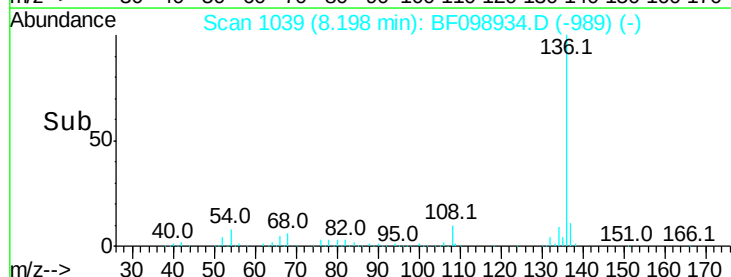
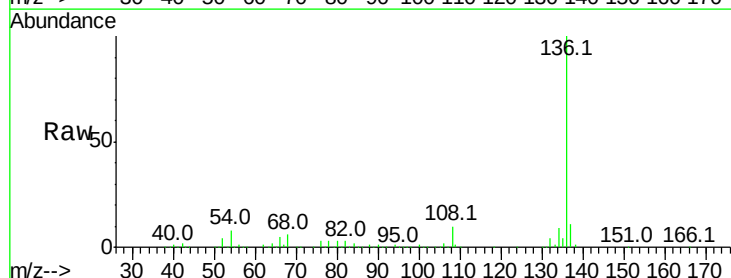
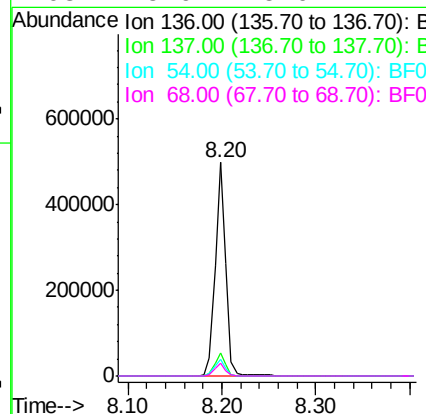
RT: 8.20 min Scan# 1039

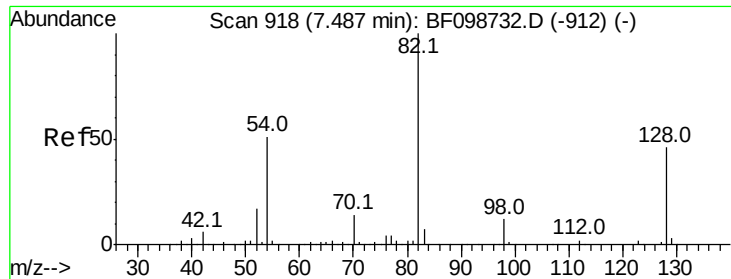
Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Tgt Ion:	136	Resp:	396951
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.7	6.6	9.8
68	5.9	5.0	7.4





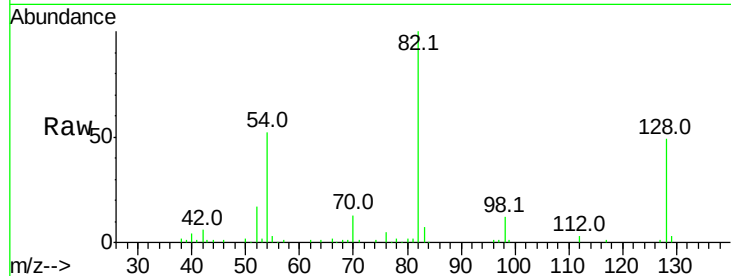
#23
 Nitrobenzene-d5
 Concen: 14.213 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-092817

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	36.1	54.1
54	51.9	41.4	62.2

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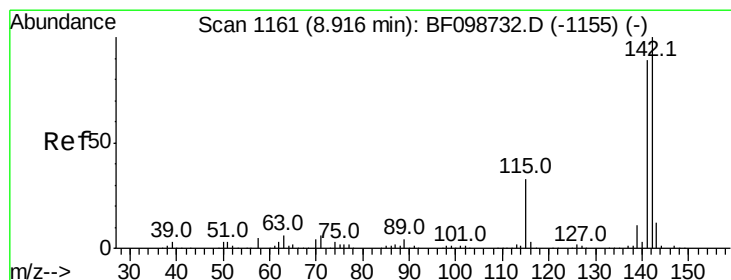
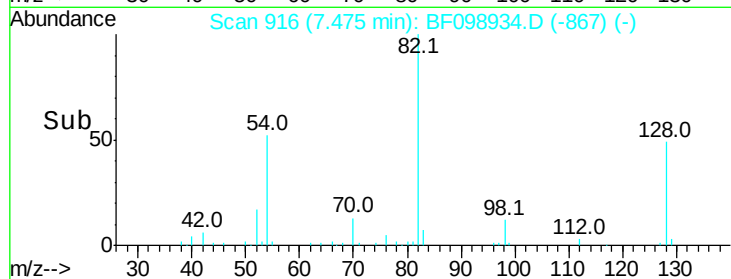
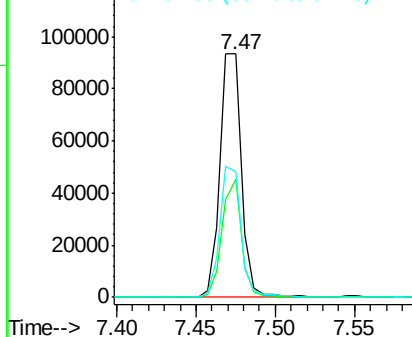


Abundance

Ion 82.00 (81.70 to 82.70): BF0

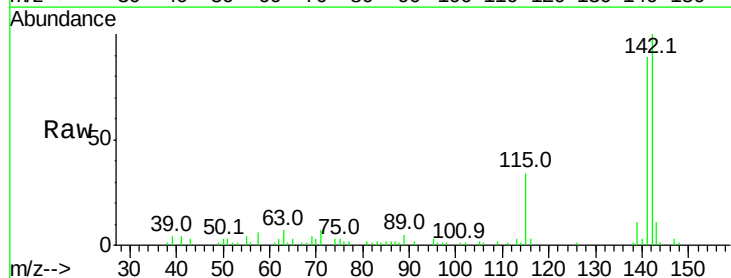
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#37
 2-Methylnaphthalene
 Concen: 2.739 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.8	106.2
115	34.3	26.1	39.1

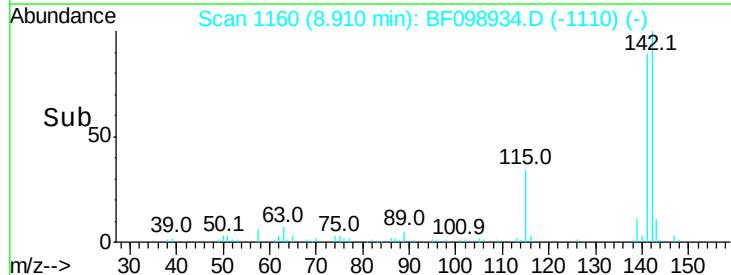
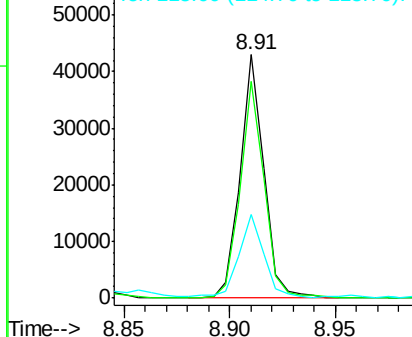


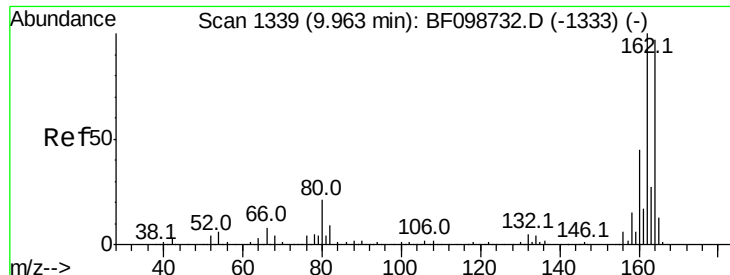
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





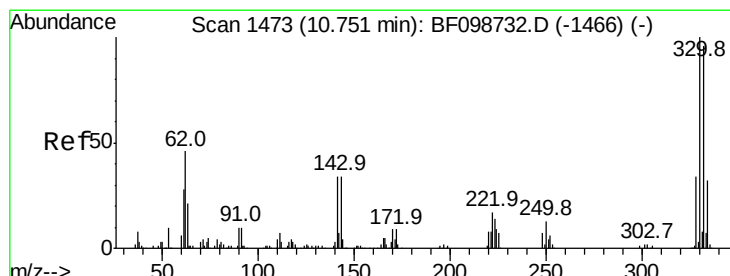
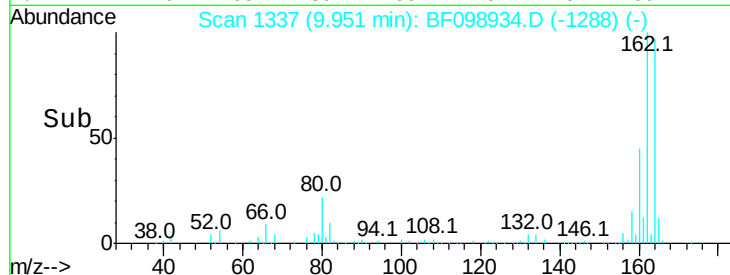
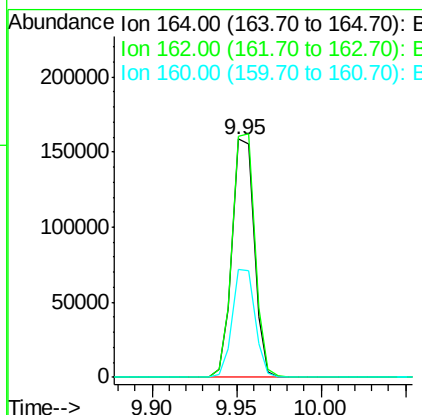
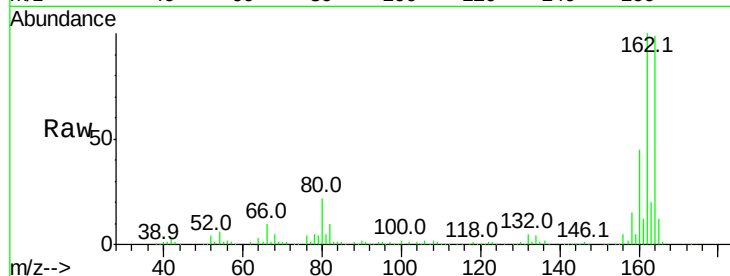
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :
SU-03-092817

Tot Ion	Ratio	Resp	Lower	Upper
164	100	145637		
162	101.4	86.1	129.1	
160	45.2	38.3	57.5	

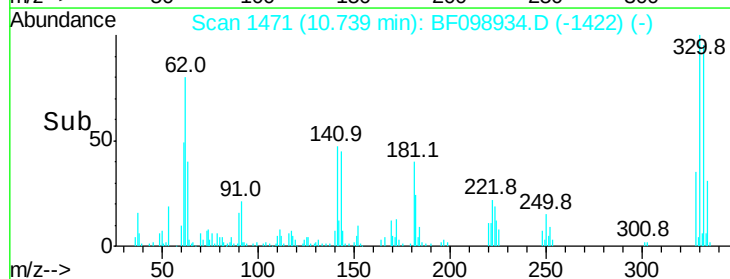
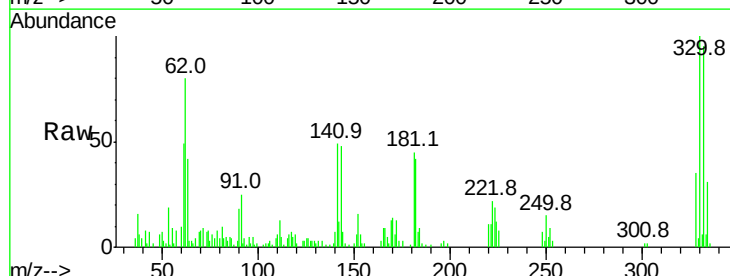
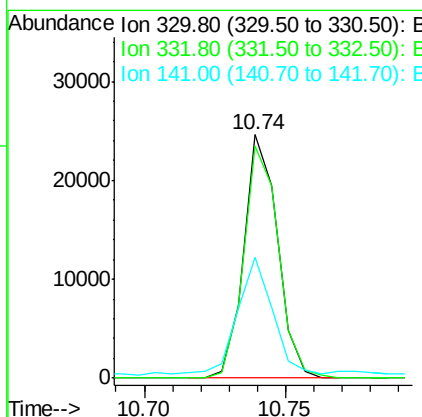
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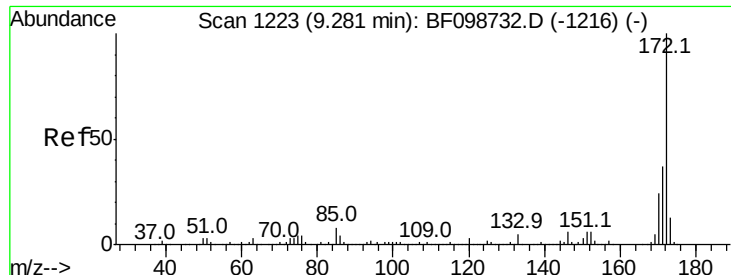
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#41
2,4,6-Tribromophenol
Concen: 17.081 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	20356		
332	98.2	77.0	115.6	
141	49.4	29.9	44.9#	





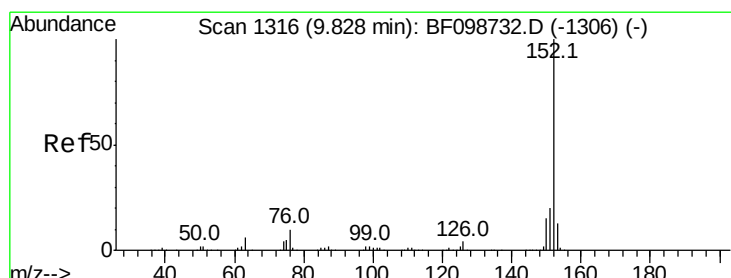
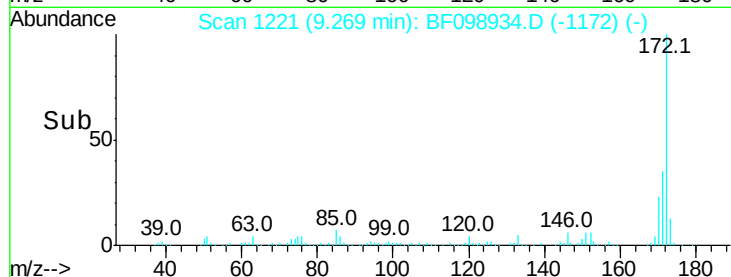
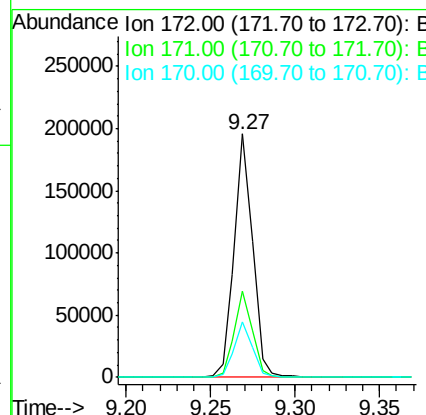
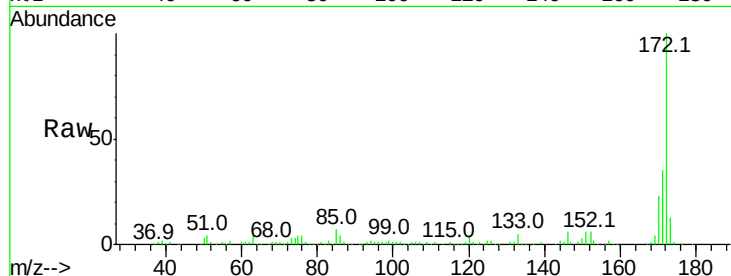
#44
2-Fluorobiphenyl
Concen: 17.030 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :
SU-03-092817

Tot Ion	Ratio	Resp	Lower	Upper
172	100	148567		
171	35.4	29.7	44.5	
170	22.6	19.6	29.4	

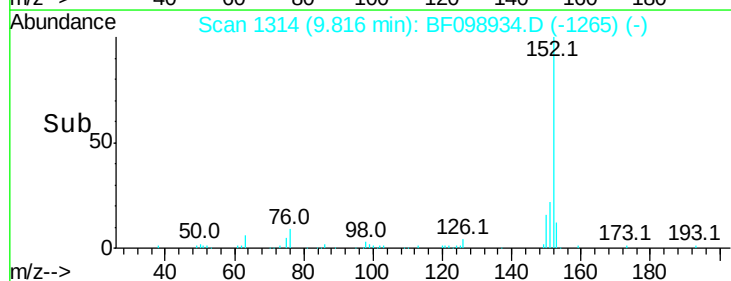
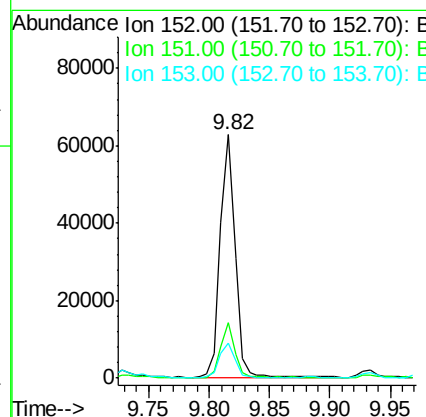
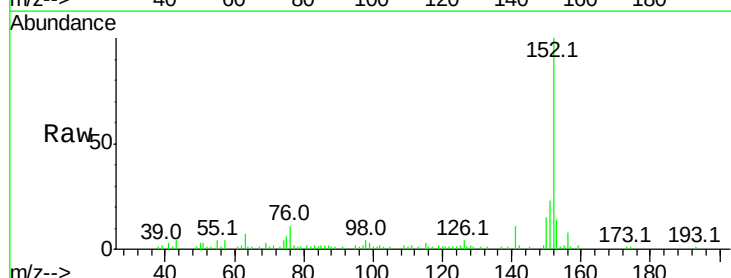
Manual Integrations
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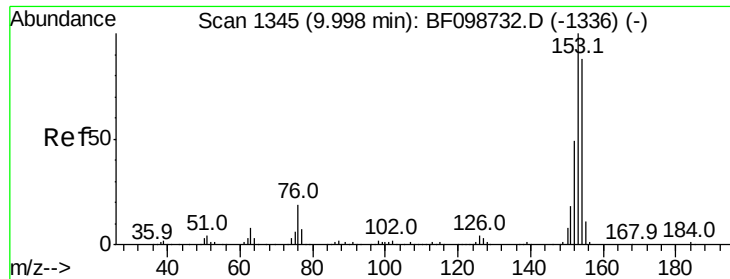
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#48
Acenaphthylene
Concen: 3.789 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	54510		
151	22.9	16.3	24.5	
153	14.3	10.7	16.1	





#51

Acenaphthene

Concen: 3.191 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

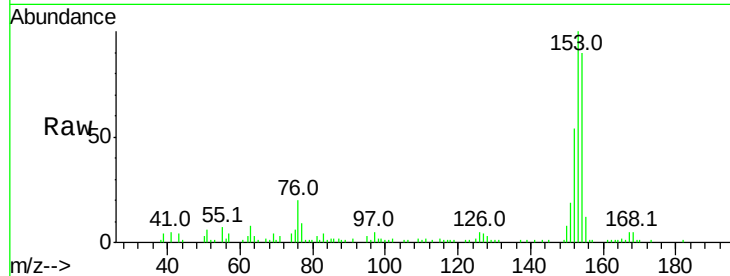
ClientSampleId :

SU-03-092817

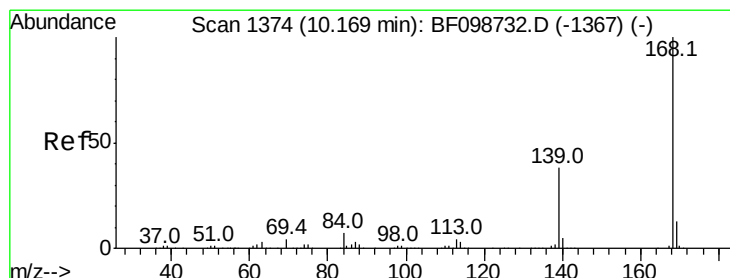
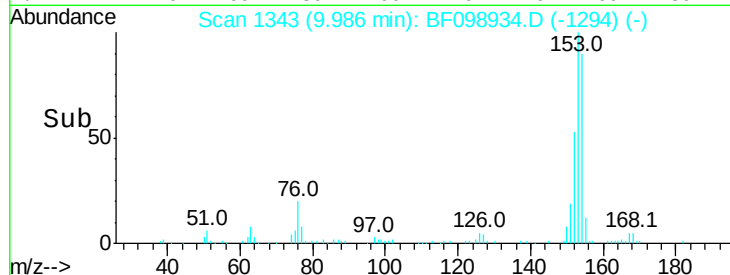
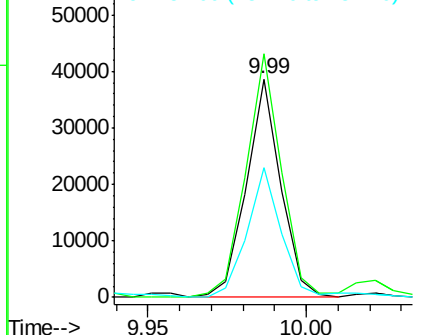
Tot Ion:	154	Resp:	29081
Ion Ratio	Lower	Upper	
154	100		
153	111.5	91.2	136.8
152	59.7	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.084 ng

RT: 10.16 min Scan# 1372

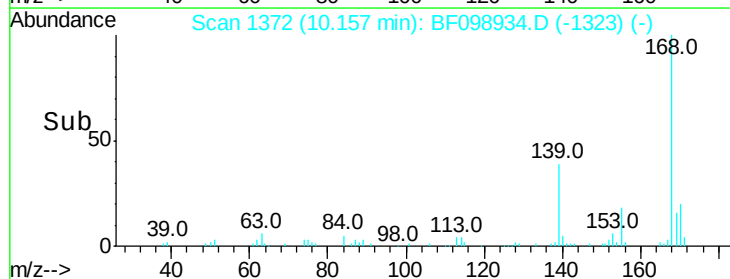
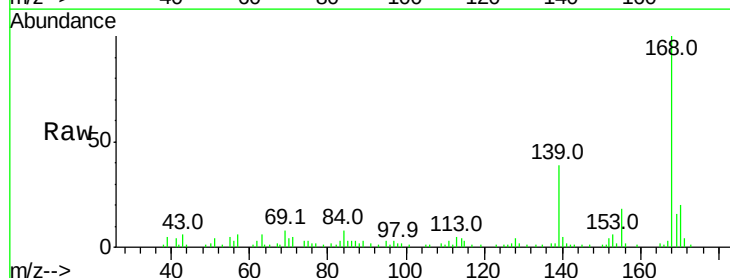
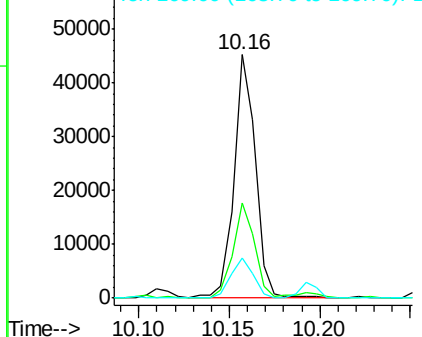
Delta R.T. -0.01 min

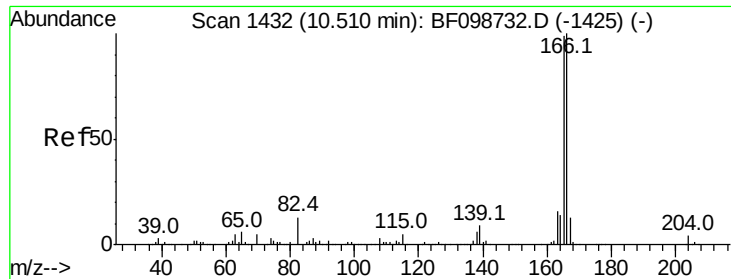
Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Tgt Ion:	168	Resp:	37420
Ion Ratio	Lower	Upper	
168	100		
139	39.1	30.1	45.1
169	16.3	10.9	16.3#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 7.921 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

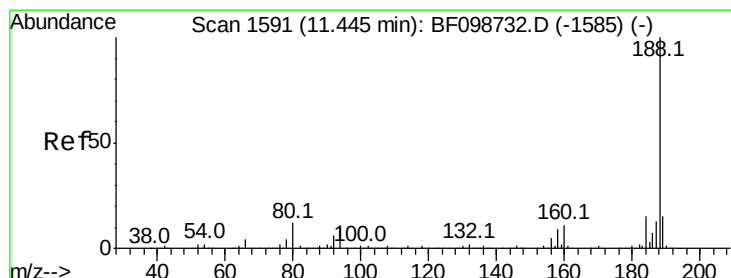
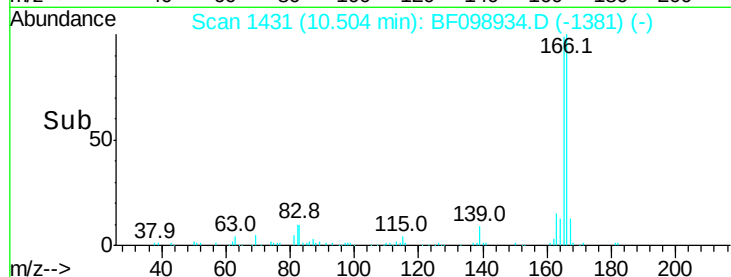
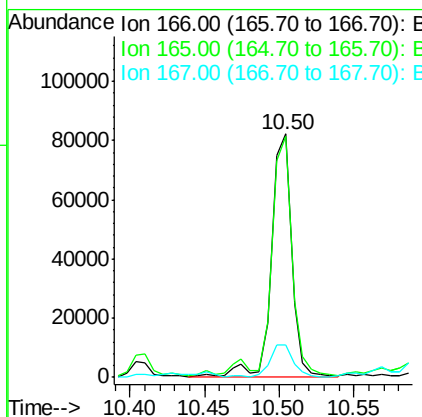
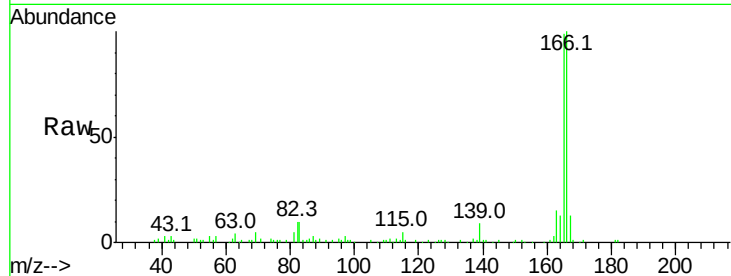
ClientSampled :

SU-03-092817

Tot Ion:	166	Resp:	77247
Ion Ratio	Lower	Upper	
166	100		
165	98.9	79.8	119.8
167	13.1	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

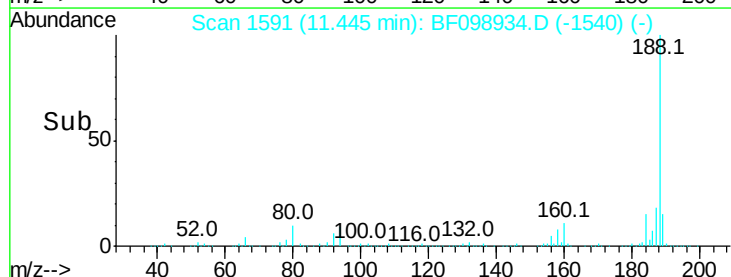
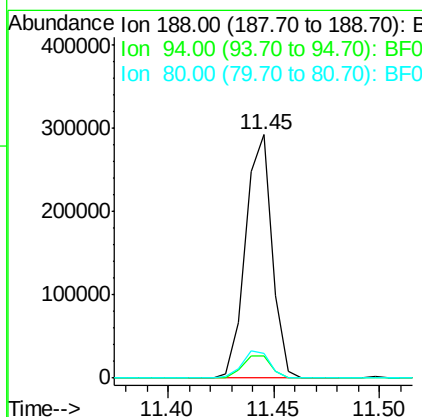
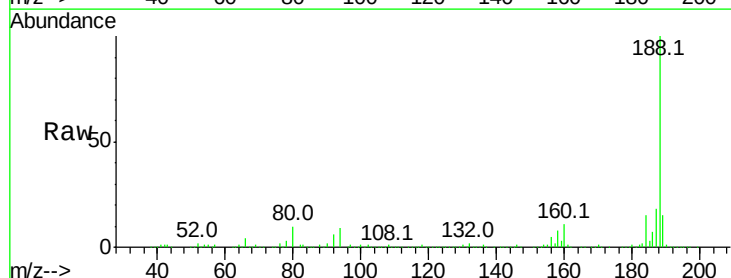
RT: 11.45 min Scan# 1591

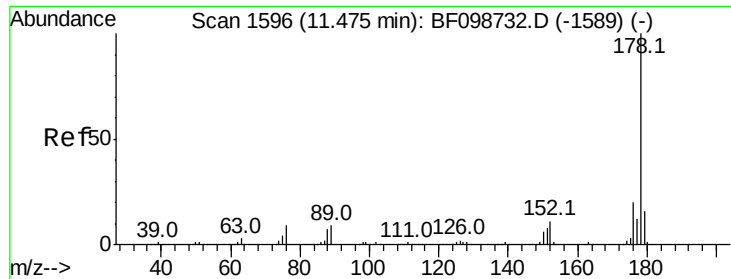
Delta R.T. 0.00 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Tgt Ion:	188	Resp:	253880
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	10.4	9.2	13.8





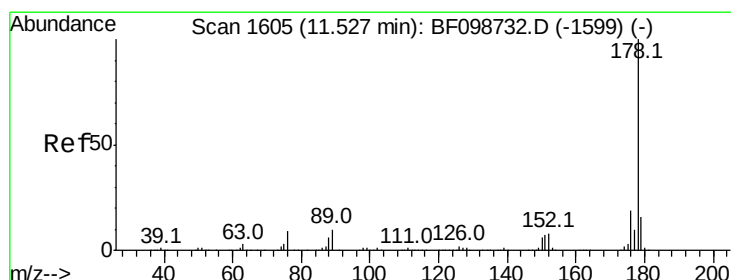
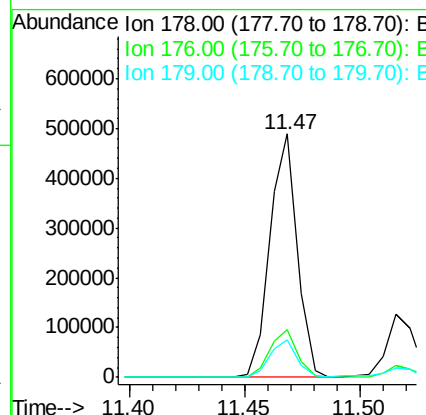
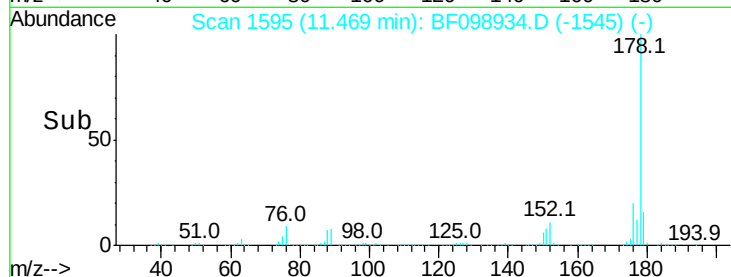
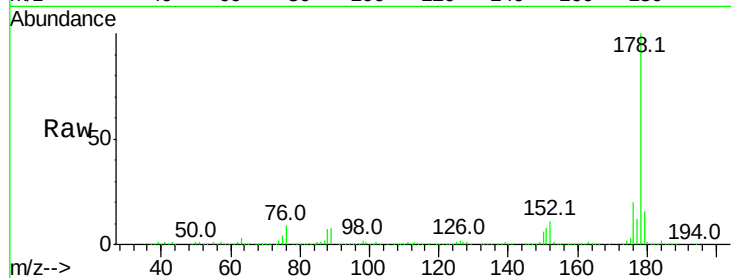
#70
Phenanthrene
Concen: 29.667 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :
SU-03-092817

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.6	13.0	19.6

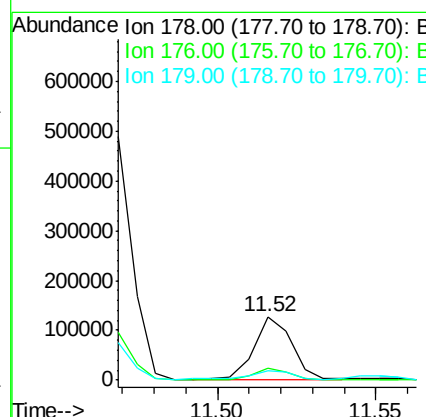
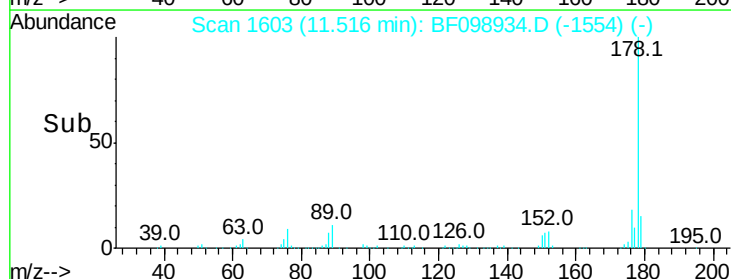
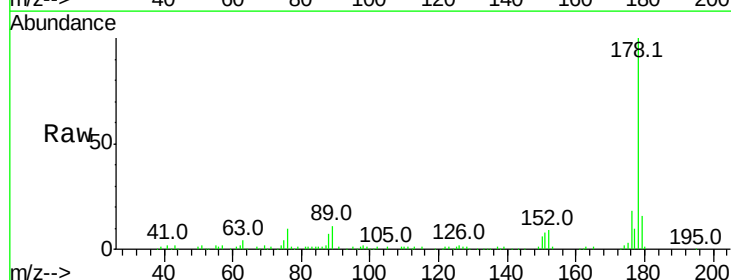
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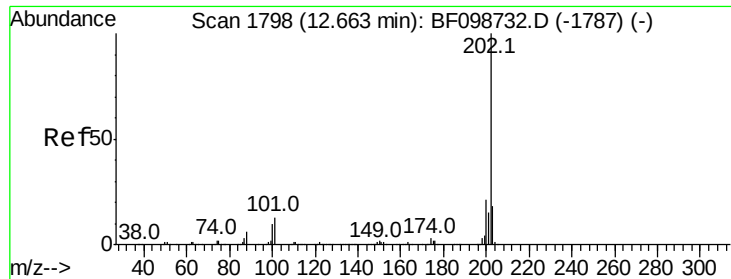
Sohil
9/29/2017 6:04:59 PM



#71
Anthracene
Concen: 7.399 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 22.114 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

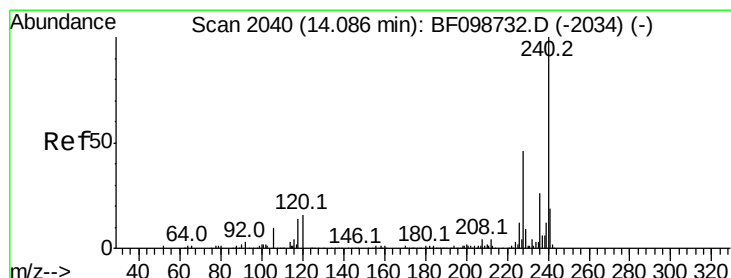
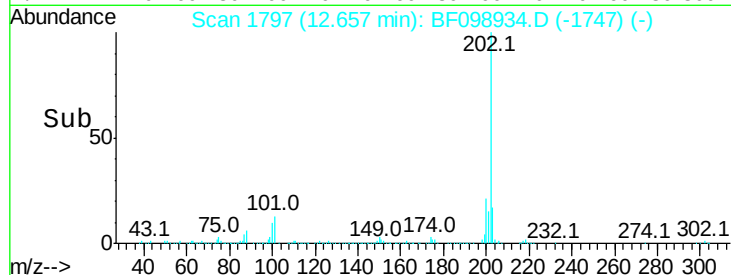
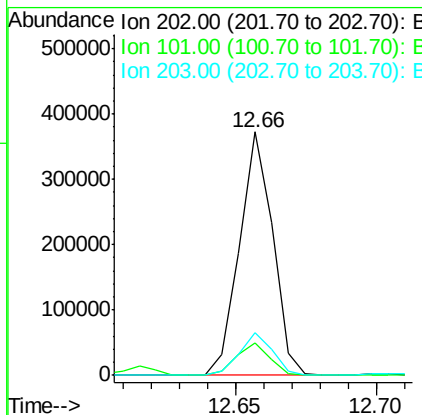
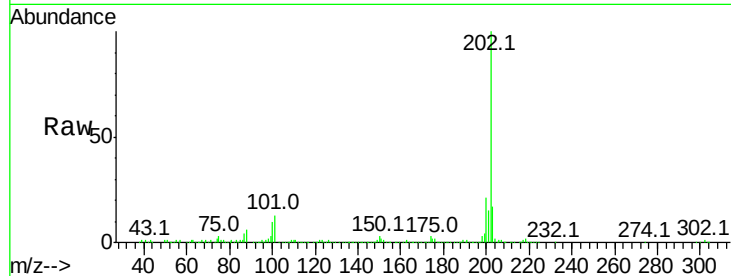
ClientSampleId :

SU-03-092817

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	13.5	0.0	34.1		
203	17.5	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

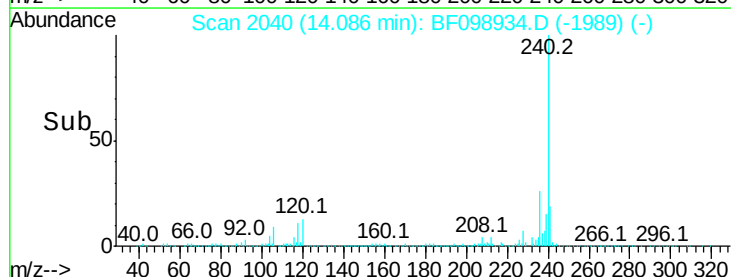
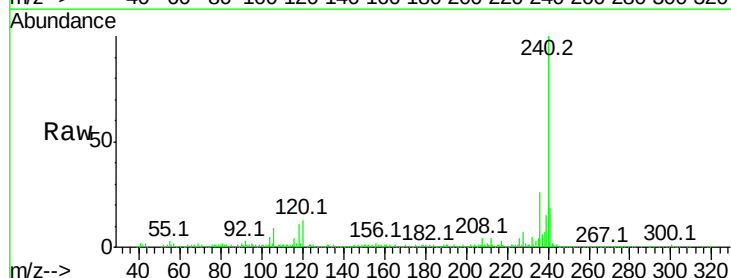
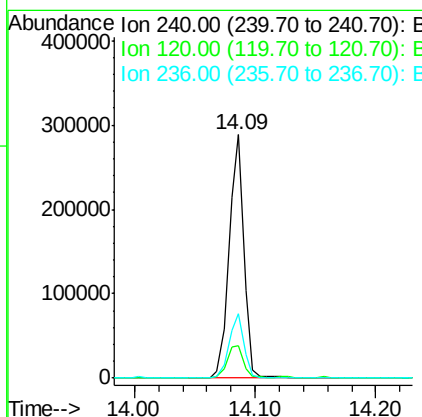
RT: 14.09 min Scan# 2040

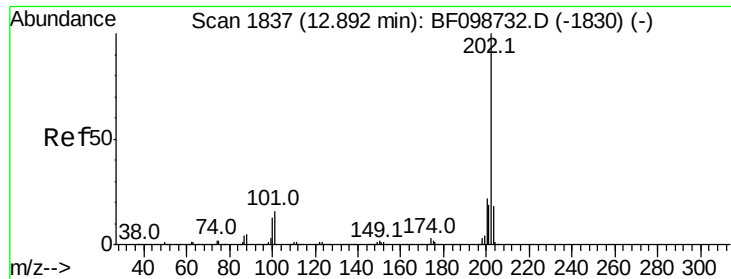
Delta R.T. 0.00 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	13.4	9.5	14.3		
236	26.4	20.7	31.1		





#77

Pvrene

Concen: 17.661 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

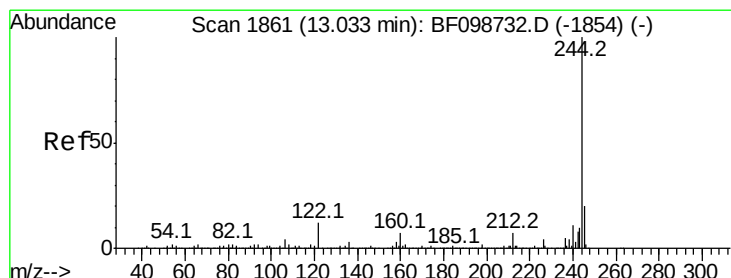
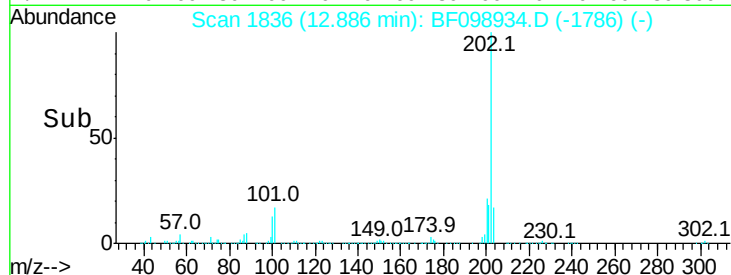
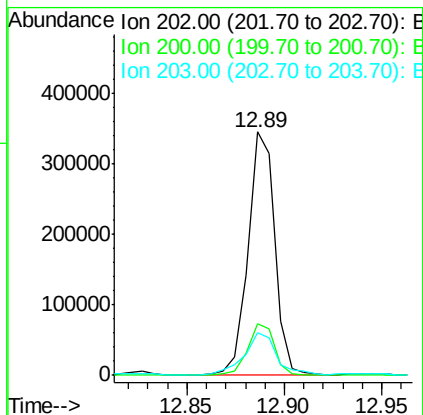
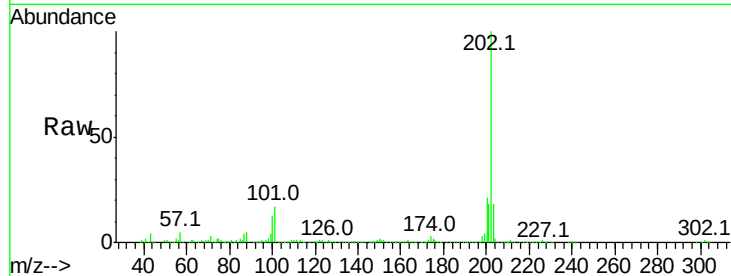
ClientSampleId :

SU-03-092817

Tot Ion:	202	Resp:	327633
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 12.971 ng

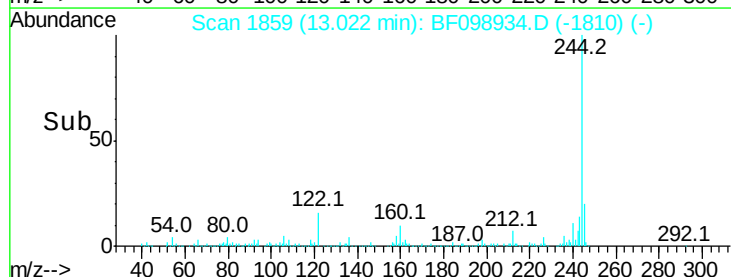
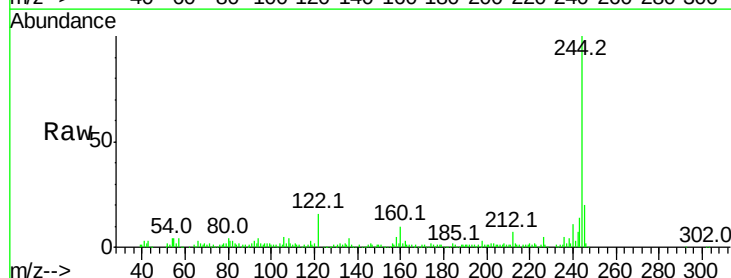
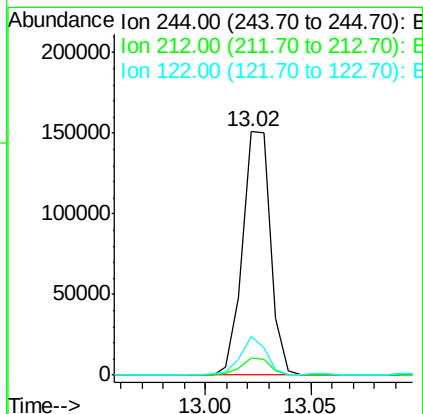
RT: 13.02 min Scan# 1859

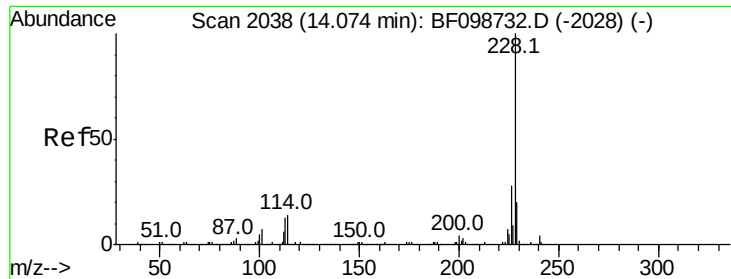
Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Tgt Ion:	244	Resp:	138757
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	16.1	11.0	16.4





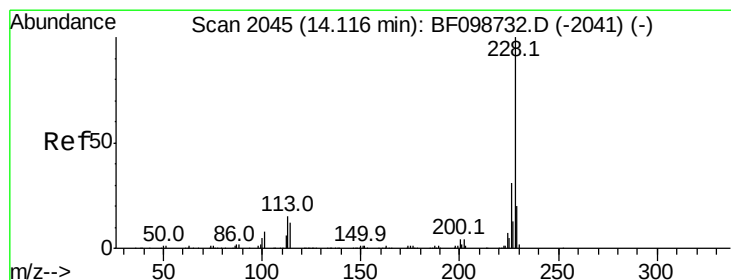
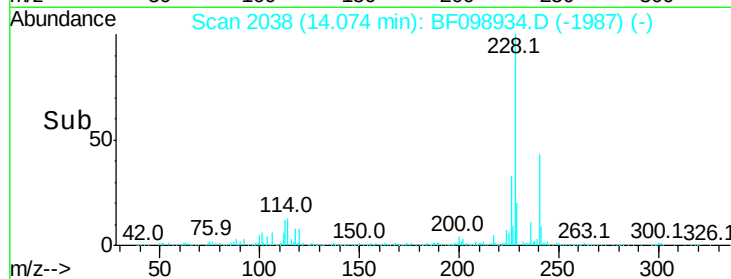
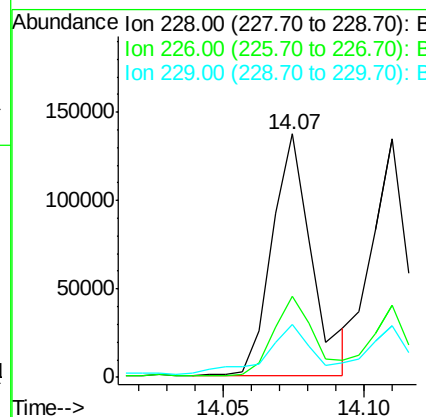
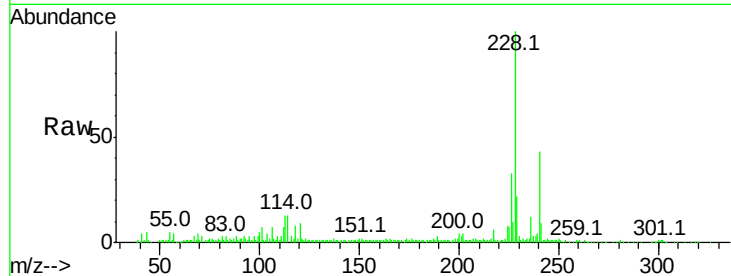
#80
Benzo(a)anthracene
Concen: 9.078 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :
SU-03-092817

Tot Ion	Ratio	Resp	Lower	Upper
228	100	133725		
226	33.4		22.6	33.8
229	21.8		15.8	23.6

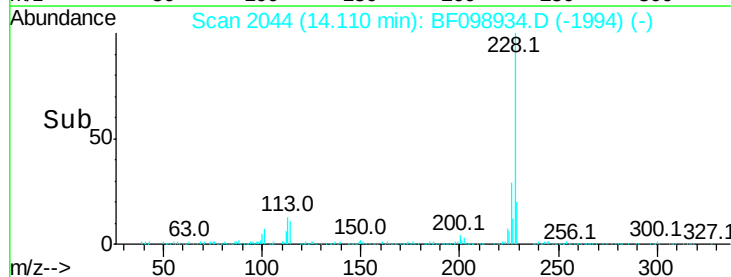
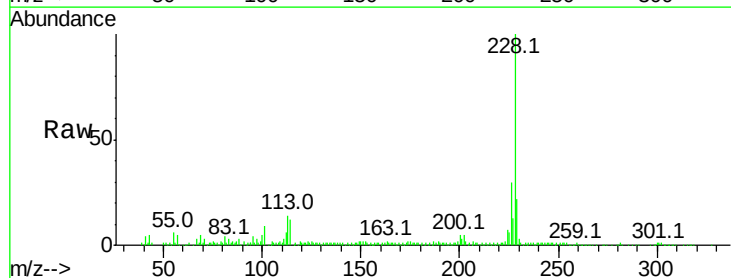
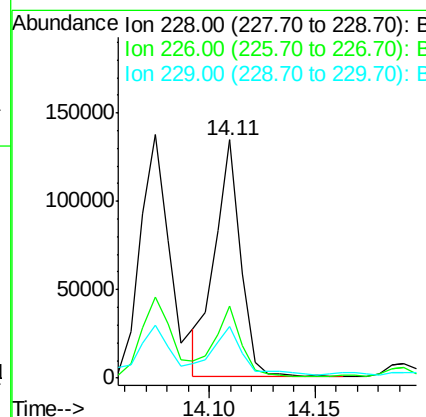
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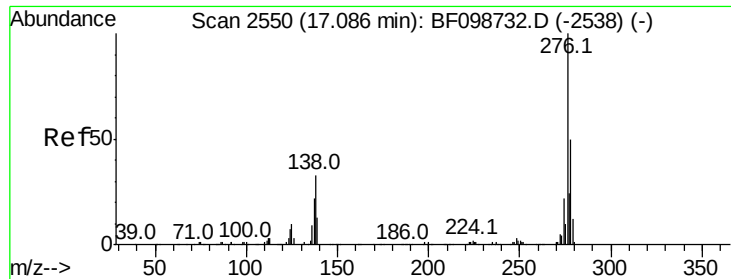
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#82
Chrysene
Concen: 8.090 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	113456		
226	30.2		25.0	37.6
229	21.8		16.2	24.4





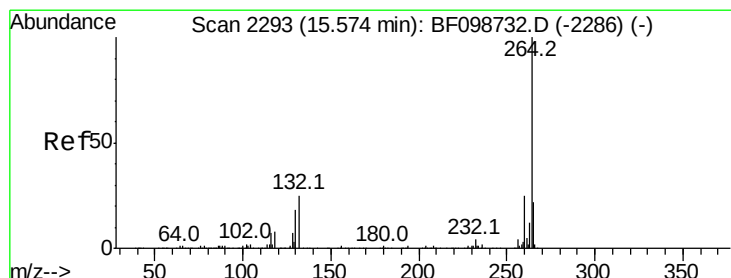
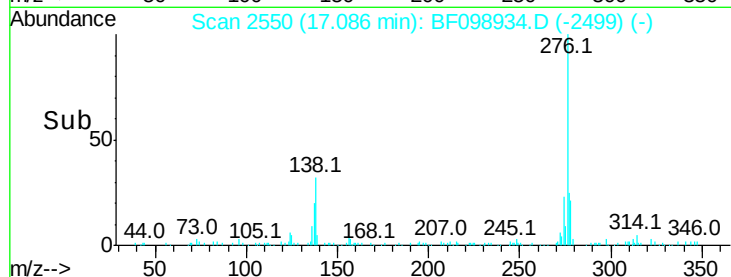
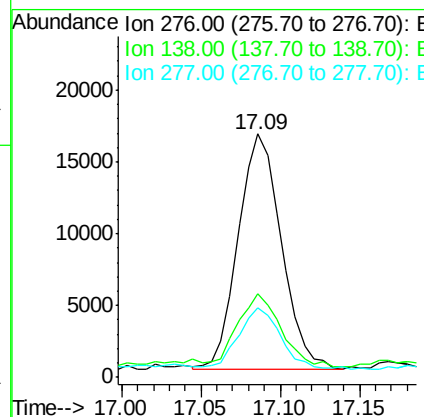
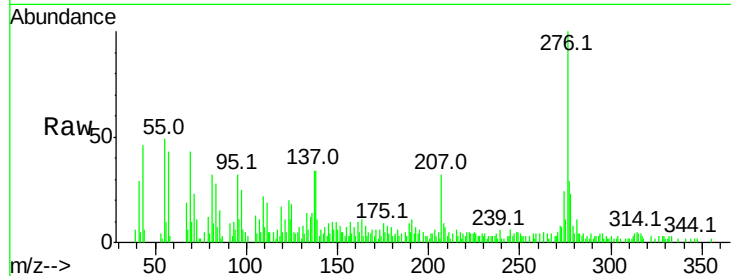
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.766 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-092817

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	24.3	20.1	30.1

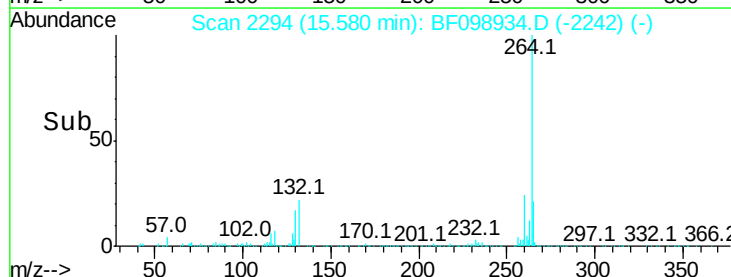
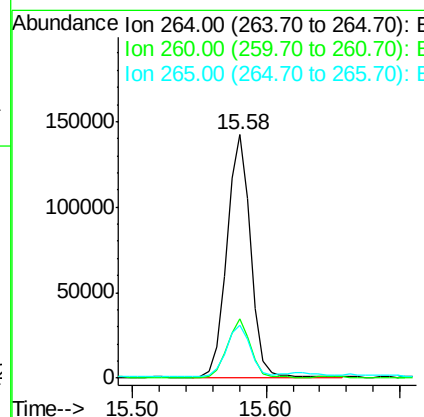
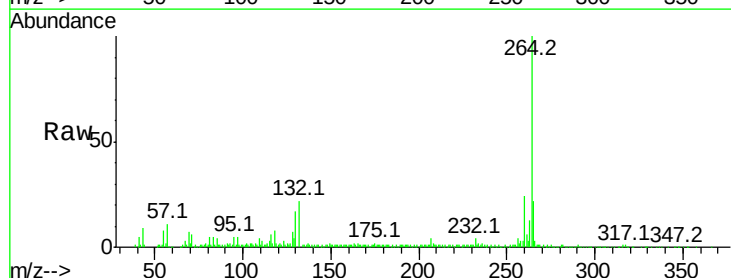
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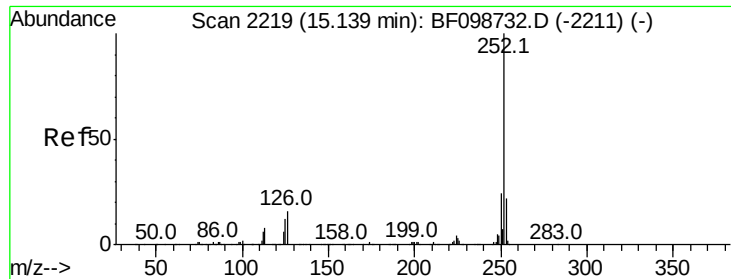
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF098934.D
 Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.356 ng m

RT: 15.14 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Instrument :

BNA_F

ClientSampleId :

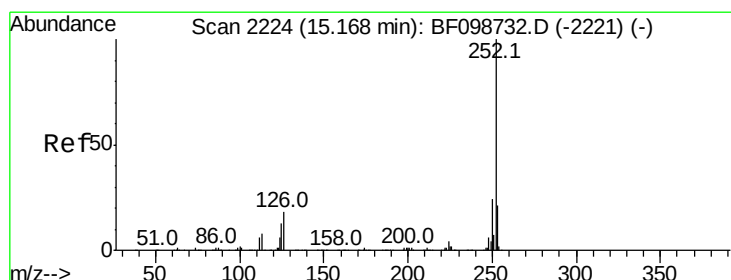
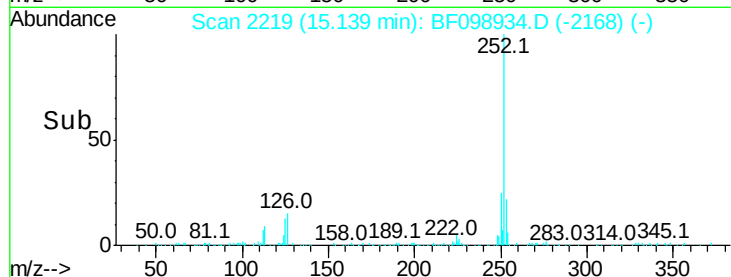
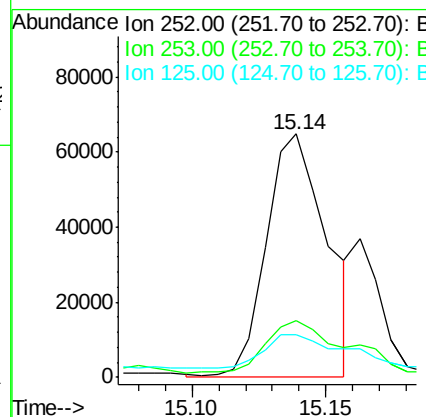
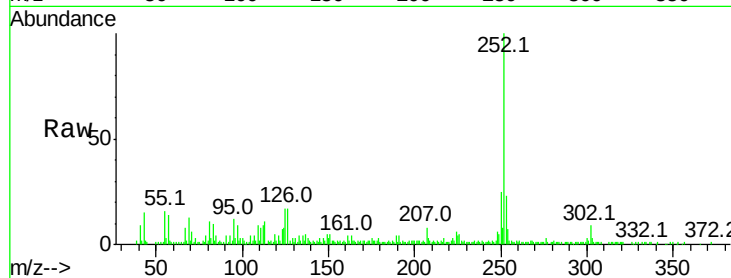
SU-03-092817

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	17.3	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 2.624 ng m

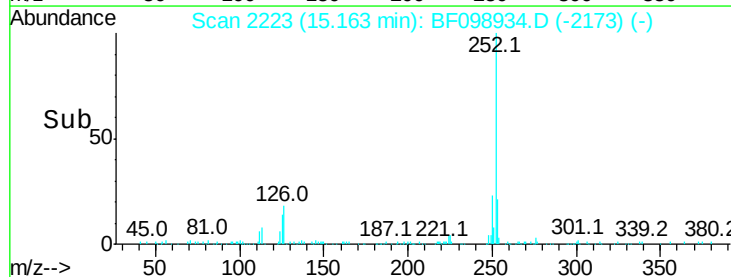
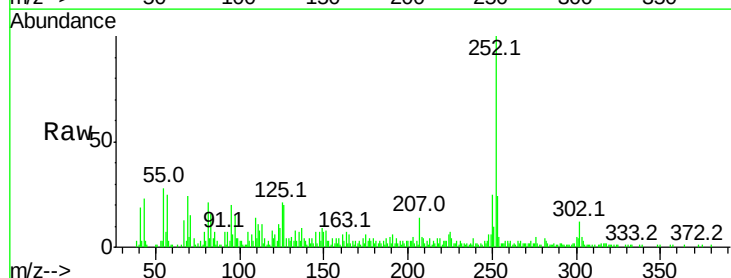
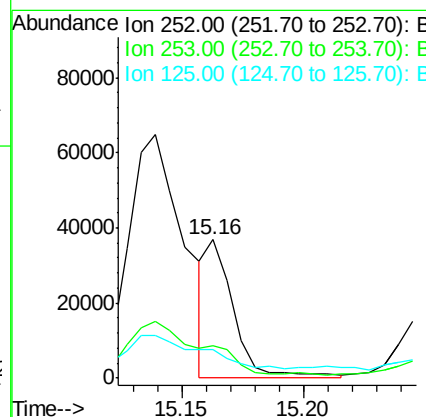
RT: 15.16 min Scan# 2223

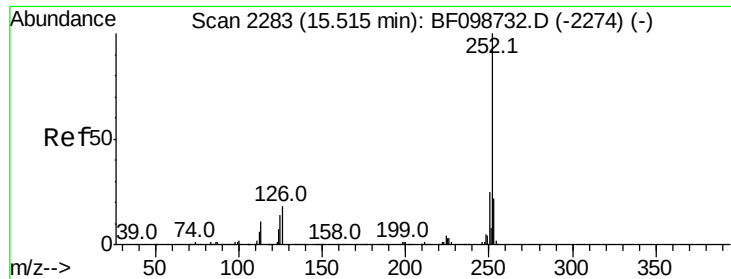
Delta R.T. -0.01 min

Lab File: BF098934.D

Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	20.9	10.2	15.2#





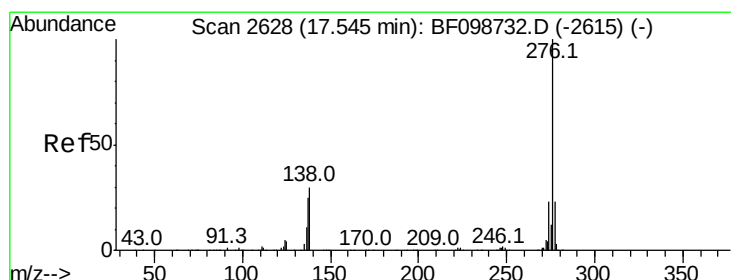
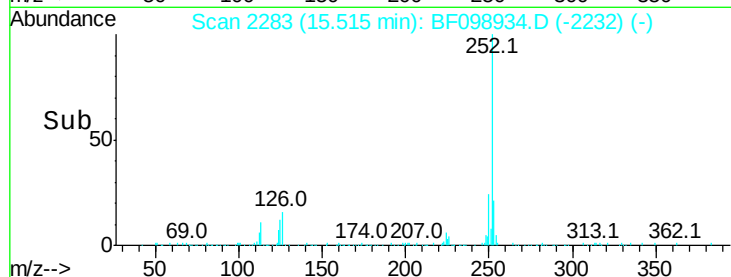
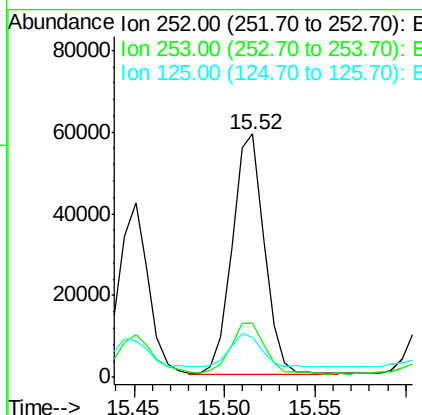
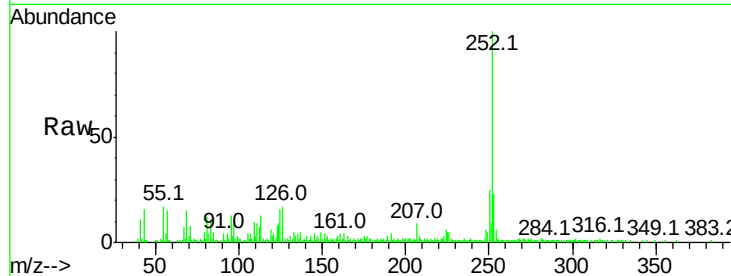
#89
Benzo(a)pyrene
Concen: 7.229 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Instrument :
BNA_F
ClientSampleId :
SU-03-092817

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	16.2	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.044 ng
RT: 17.55 min Scan# 2629
Delta R.T. 0.01 min
Lab File: BF098934.D
Acq: 29 Sep 2017 4:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	26.9	21.8	32.8

