

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098929.D
 Acq On : 29 Sep 2017 1:44
 Operator : SJ/JU
 Sample : I5457-13 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LB-28(4-4.5)

Manual Integrations
 APPROVED

Sohil
 9/29/2017 6:04:51 PM

Quant Time: Sep 29 12:04:19 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	135189	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	482416	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	173961	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	265666	20.00	ng	0.00
75) Chrysene-d12	14.09	240	256317	20.00	ng	0.00
86) Perylene-d12	15.58	264	217984	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	166079	19.56	ng	-0.01
7) Phenol-d6	6.53	99	199380	19.03	ng	-0.01
23) Nitrobenzene-d5	7.47	82	113952	15.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	22103	15.53	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	193704	18.59	ng	-0.01
78) Terphenyl-d14	13.02	244	137635	12.21	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.66	163	36819	2.804	ng	Qvalue # 99
70) Phenanthrene	11.46	178	215650	15.165	ng	98
71) Anthracene	11.52	178	55563	3.819	ng	98
74) Fluoranthene	12.66	202	431218	29.946	ng	98
77) Pyrene	12.89	202	424450	21.716	ng	99
80) Benzo(a)anthracene	14.07	228	238646	15.376	ng	100
82) Chrysene	14.11	228	219353	14.845	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	71949	6.087	ng	98
87) Benzo(b)fluoranthene	15.14	252	253760m	18.934	ng	
88) Benzo(k)fluoranthene	15.16	252	67014m	5.062	ng	
89) Benzo(a)pyrene	15.52	252	160422	13.040	ng	97
91) Benzo(a,h,i)perylene	17.54	276	69893	7.182	ng	98

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

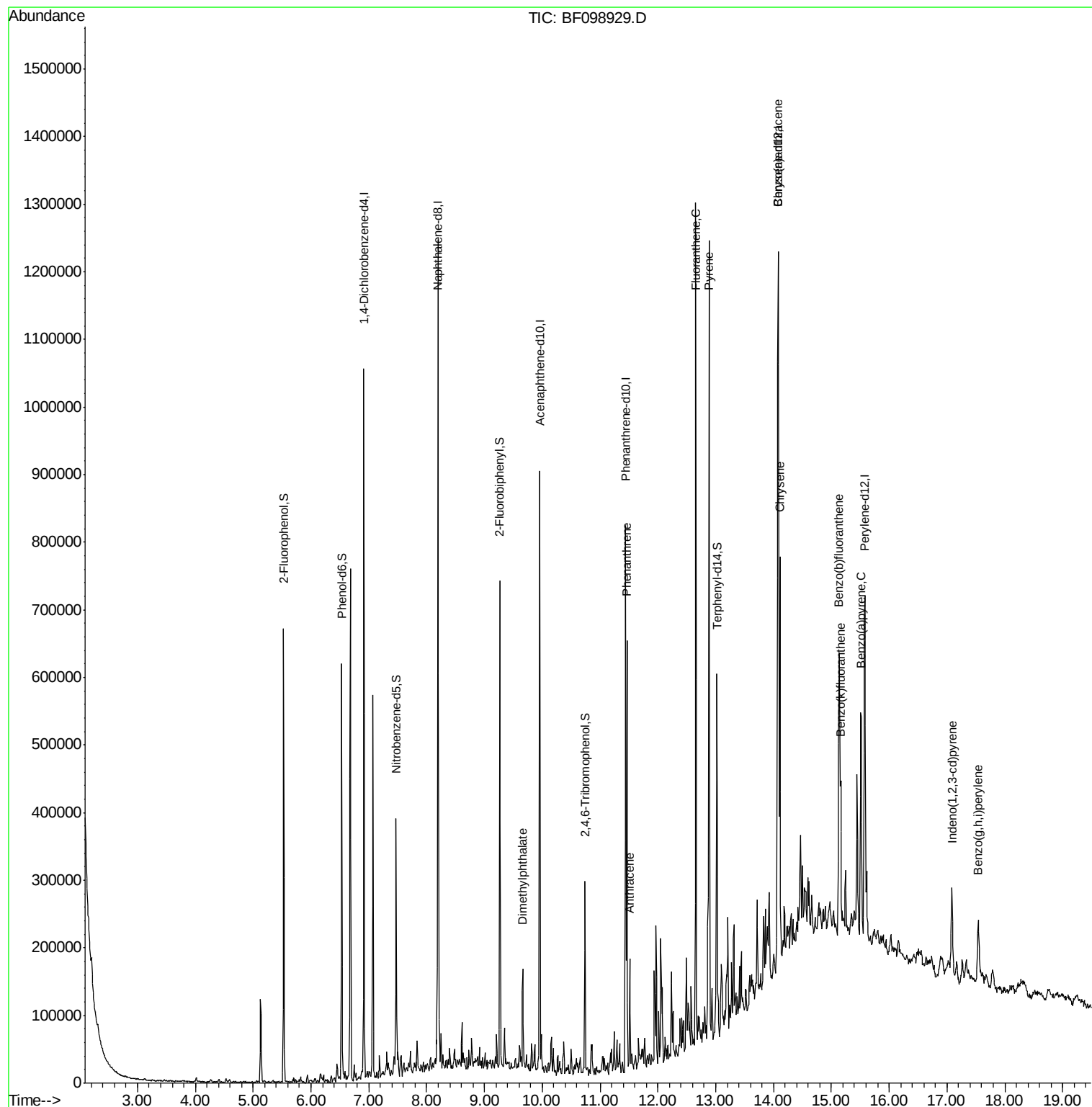
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
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ALS Vial : 18 Sample Multiplier: 1

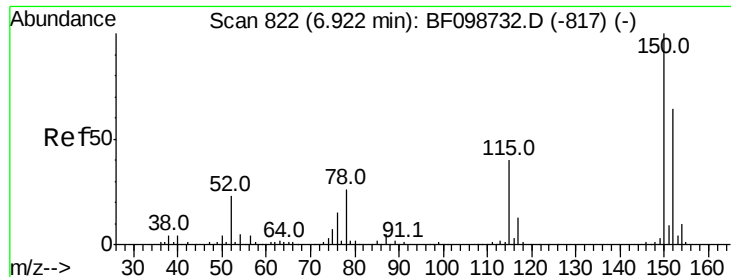
Instrument :
BNA_F
ClientSampled :
LB-28(4-4.5)

Manual Integrations
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#1

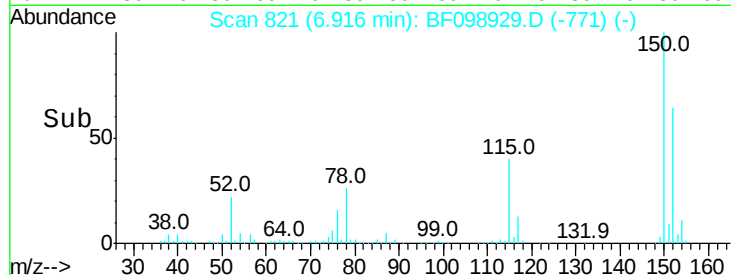
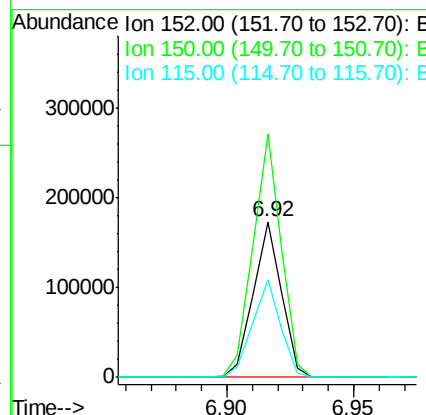
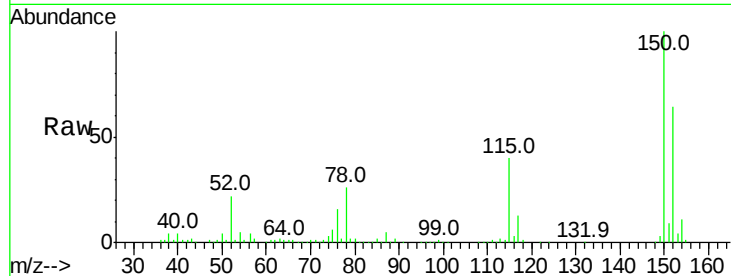
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Instrument :
BNA_F
ClientSampleId :
LB-28(4-4.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	62.5	50.1	75.1

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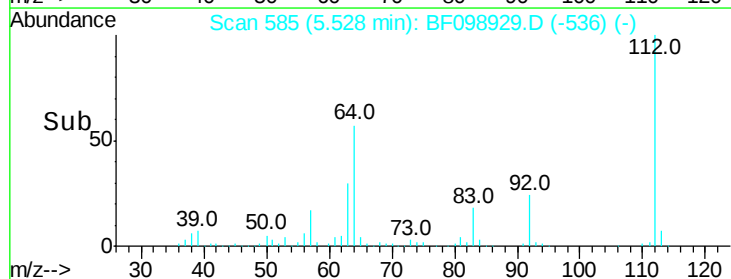
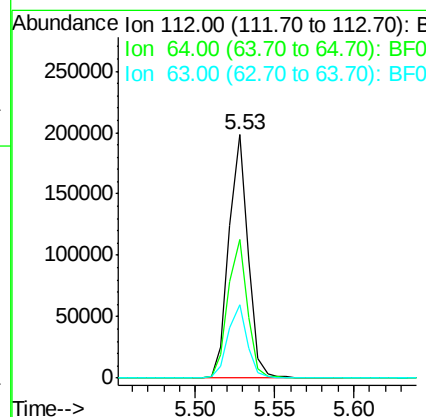
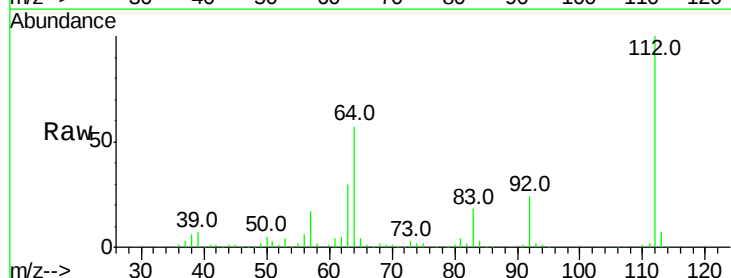
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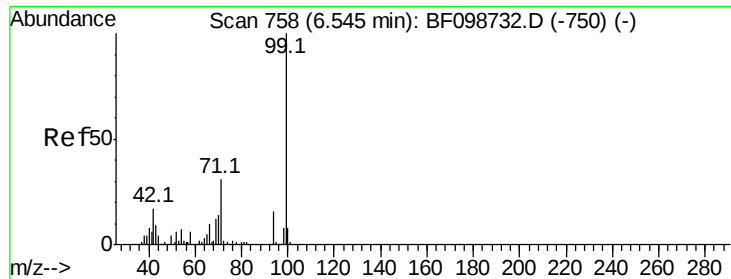


#5

2-Fluorophenol
Concen: 19.556 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 19.032 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098929.D

Acq: 29 Sep 2017 1:44

Instrument :

BNA_F

ClientSampleId :

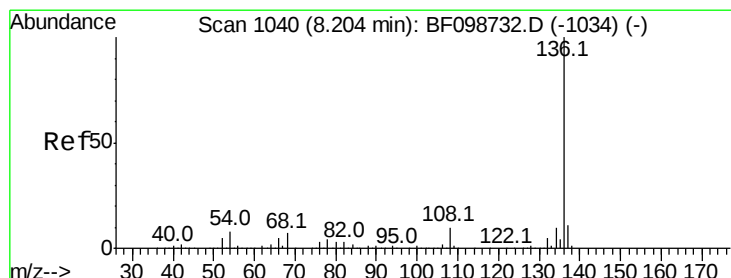
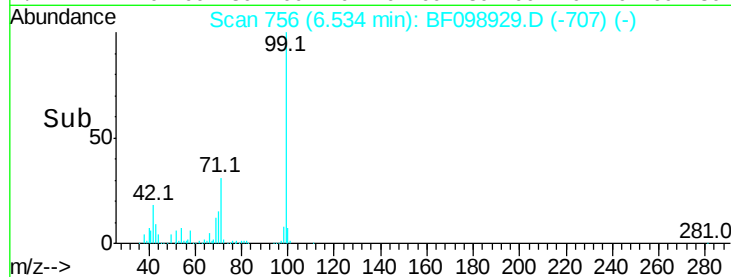
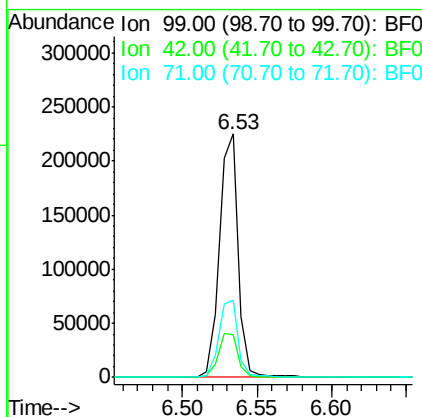
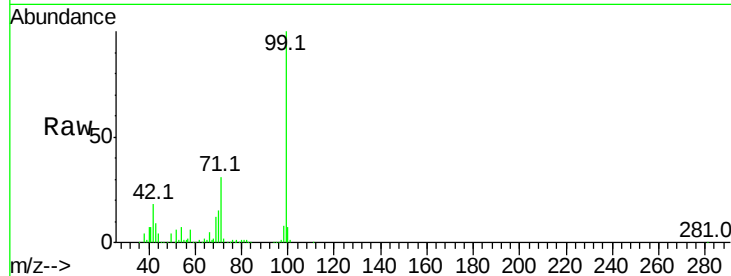
LB-28(4-4.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		199380		
42	17.8	14.5	21.7		
71	31.5	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

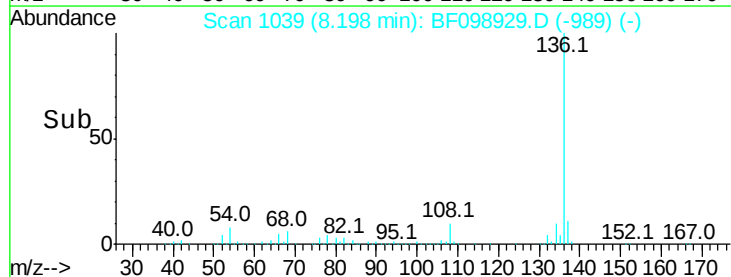
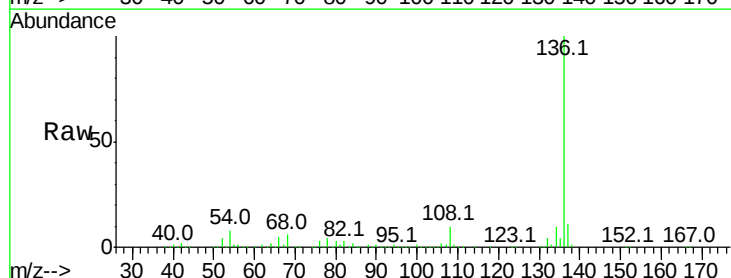
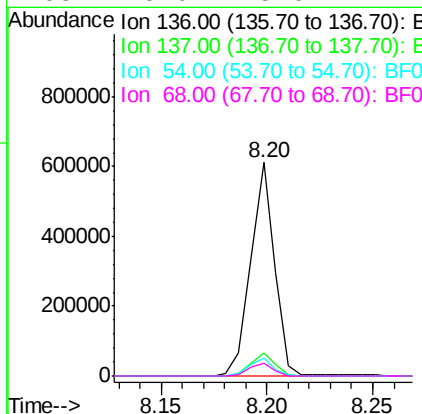
RT: 8.20 min Scan# 1039

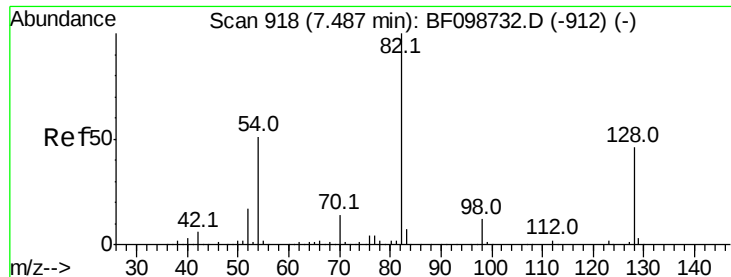
Delta R.T. -0.01 min

Lab File: BF098929.D

Acq: 29 Sep 2017 1:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		482416		
137	10.7	8.9	13.3		
54	8.2	6.6	9.8		
68	6.0	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 15.148 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF098929.D

Acq: 29 Sep 2017 1:44

Instrument :

BNA_F

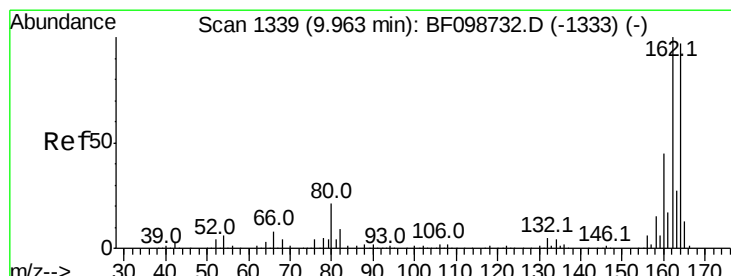
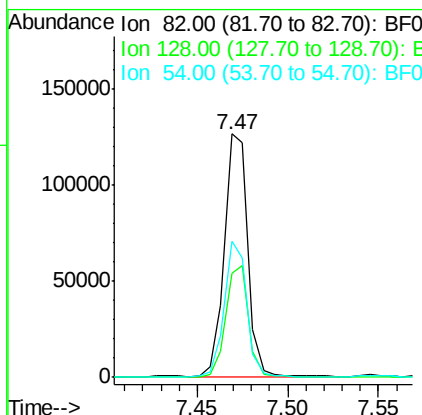
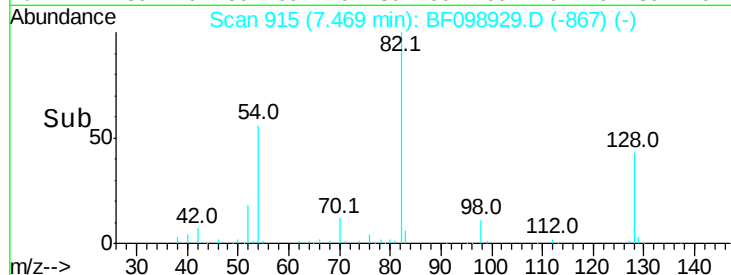
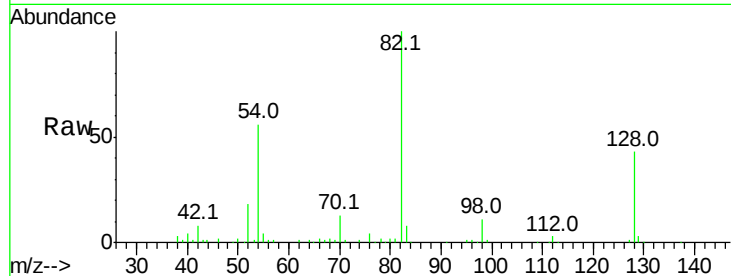
ClientSampleId :

LB-28(4-4.5)

Tot Ion:	82	Resp:	113952
Ion Ratio	Lower	Upper	
82	100		
128	42.8	36.1	54.1
54	56.1	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

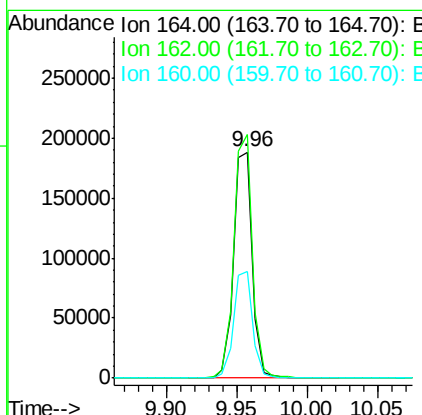
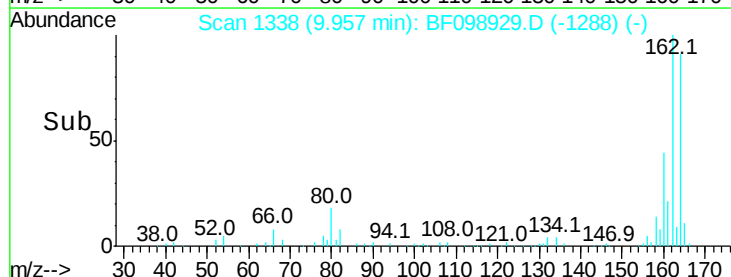
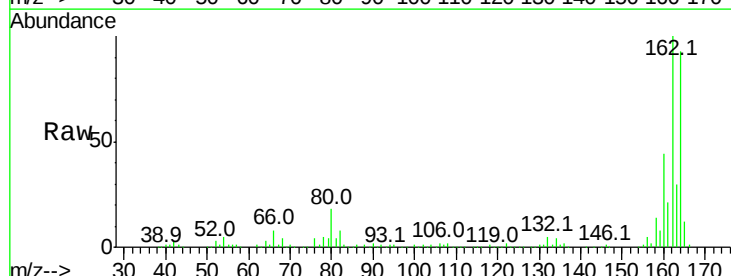
RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF098929.D

Acq: 29 Sep 2017 1:44

Tgt Ion:	164	Resp:	173961
Ion Ratio	Lower	Upper	
164	100		
162	107.6	86.1	129.1
160	47.0	38.3	57.5





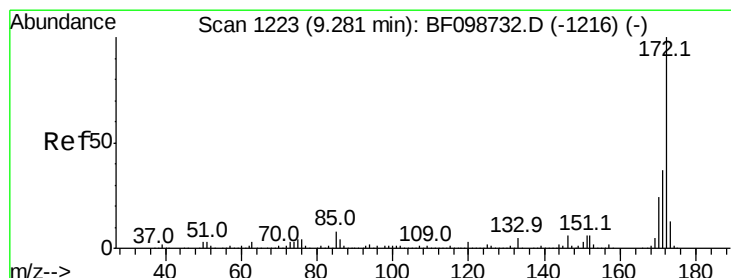
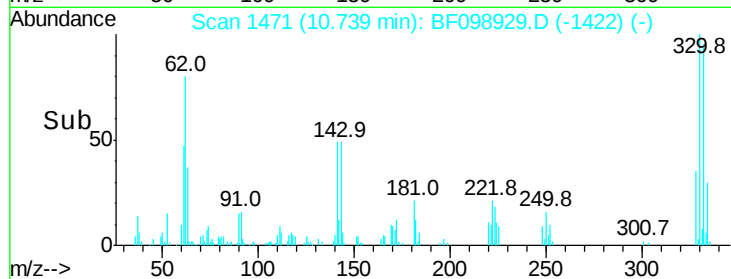
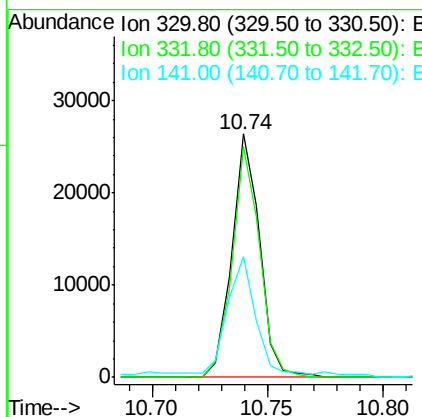
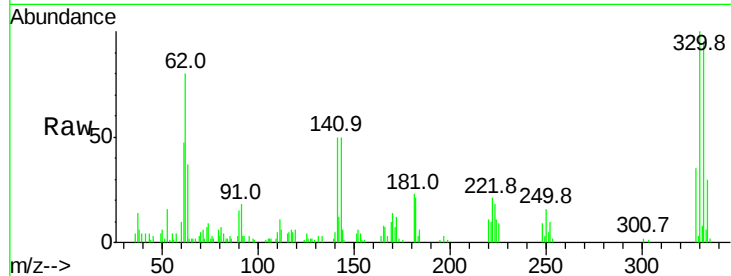
#41
 2,4,6-Tribromophenol
 Concen: 15.528 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098929.D
 Acq: 29 Sep 2017 1:44

Instrument :
 BNA_F
 ClientSampleId :
 LB-28(4-4.5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	22103		
332	93.9	77.0	115.6	
141	48.8	29.9	44.9#	

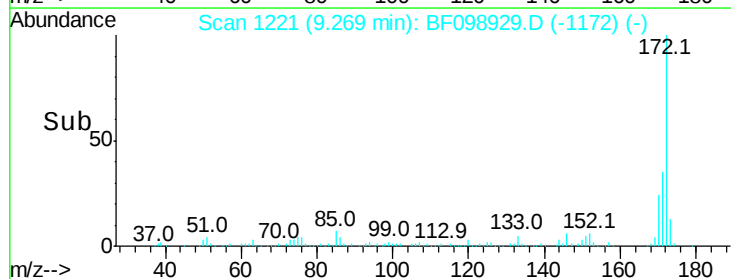
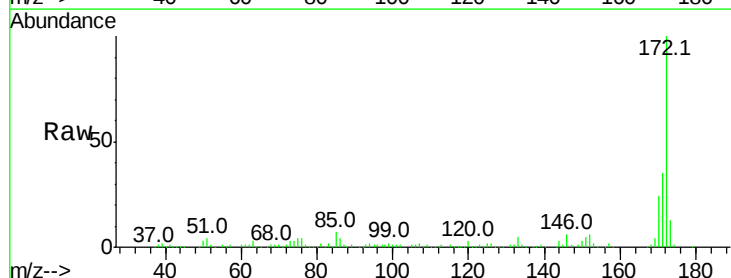
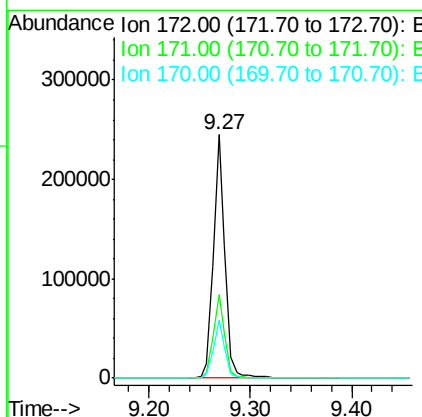
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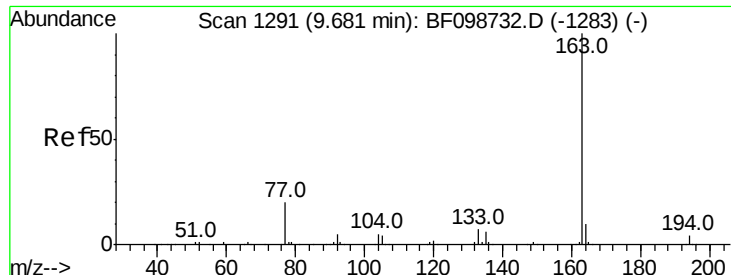
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#44
 2-Fluorobiphenyl
 Concen: 18.589 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098929.D
 Acq: 29 Sep 2017 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	193704		
171	34.6	29.7	44.5	
170	23.6	19.6	29.4	





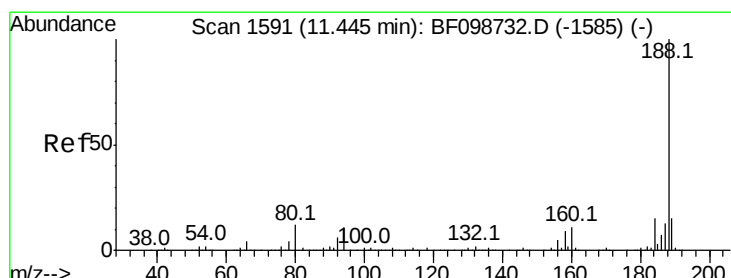
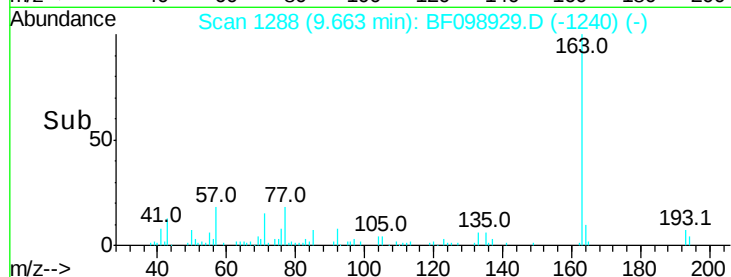
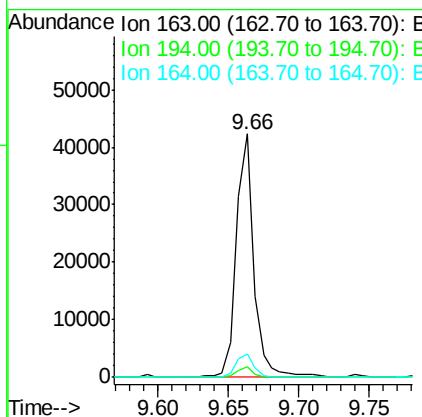
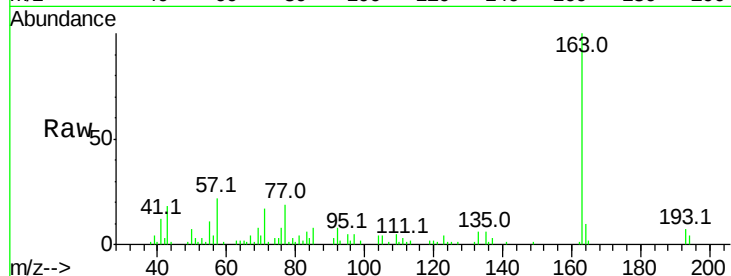
#49
Dimethylphthalate
Concen: 2.804 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Instrument :
BNA_F
ClientSampled :
LB-28(4-4.5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.4	2.7	4.1#	
164	9.9	8.2	12.2	

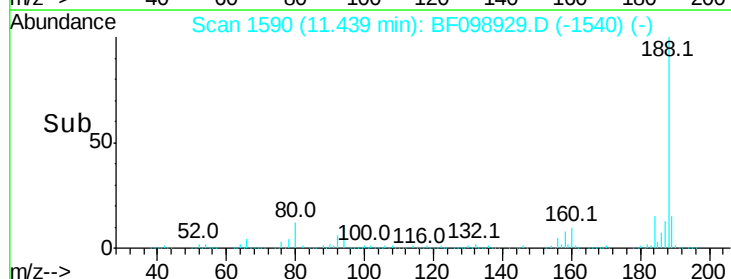
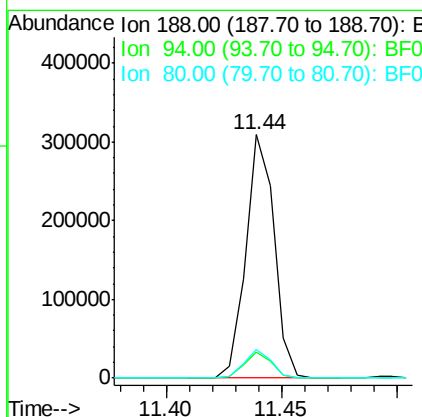
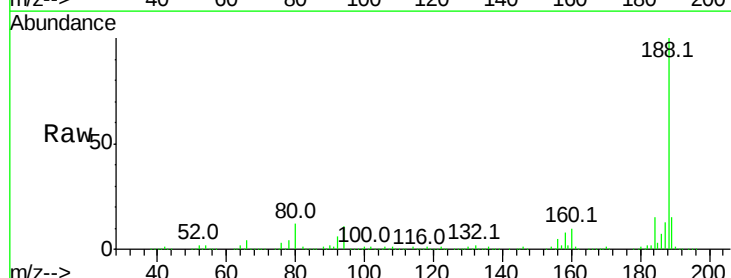
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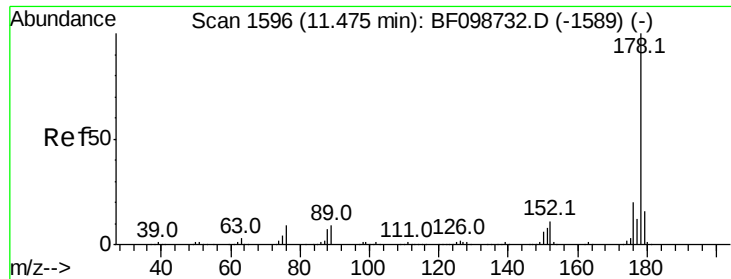
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.7	8.5	12.7	
80	12.0	9.2	13.8	





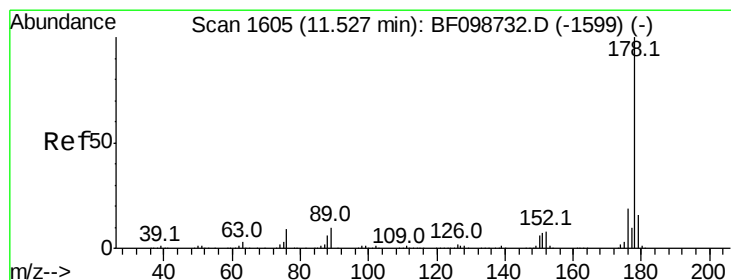
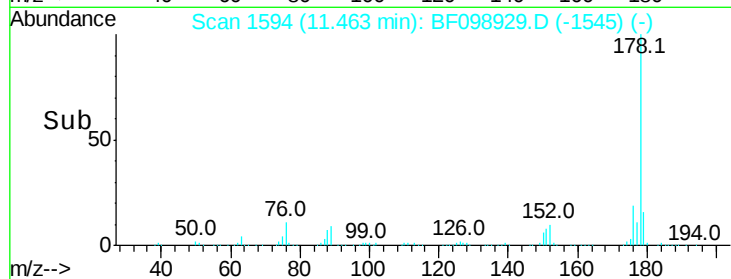
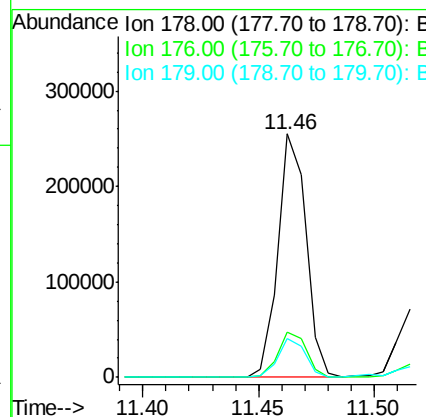
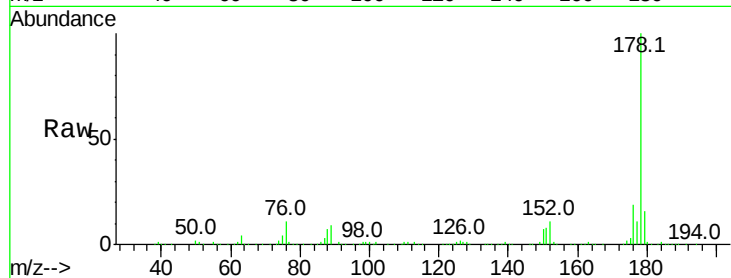
#70
Phenanthrene
Concen: 15.165 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Instrument :
BNA_F
ClientSampleId :
LB-28(4-4.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.9	13.0	19.6

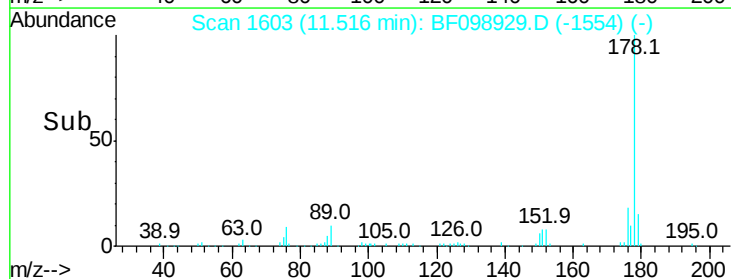
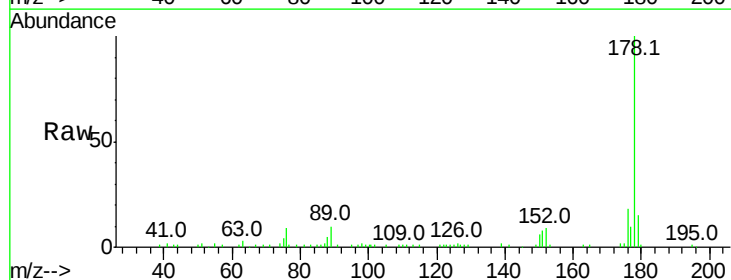
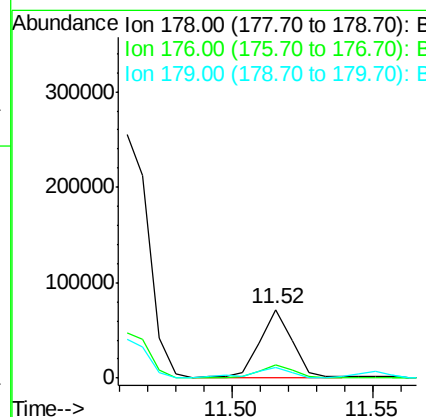
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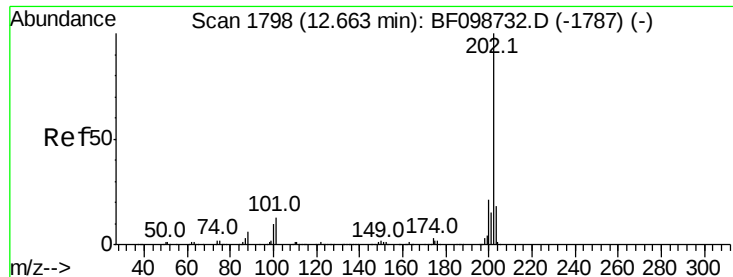
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#71
Anthracene
Concen: 3.819 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 29.946 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098929.D

Acq: 29 Sep 2017 1:44

Instrument :

BNA_F

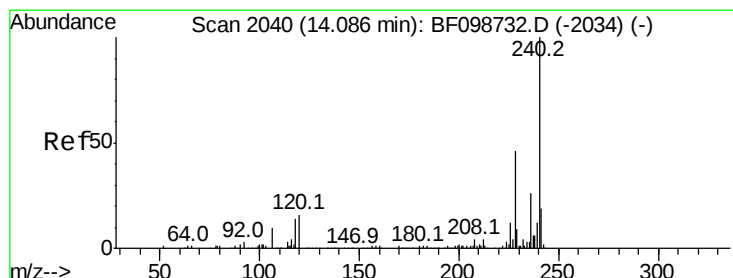
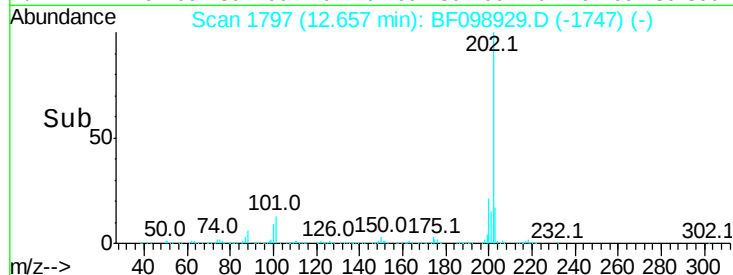
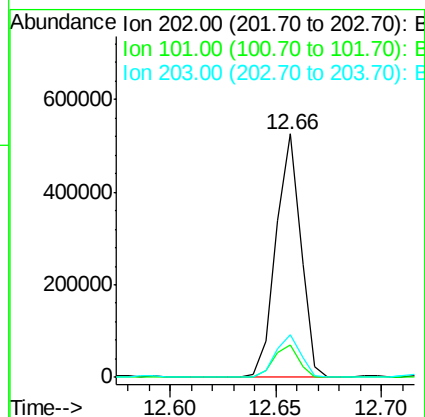
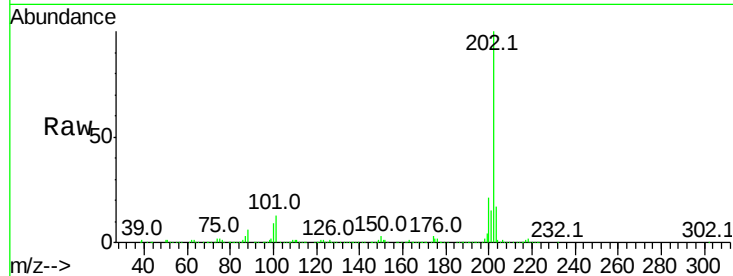
ClientSampleId :

LB-28(4-4.5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

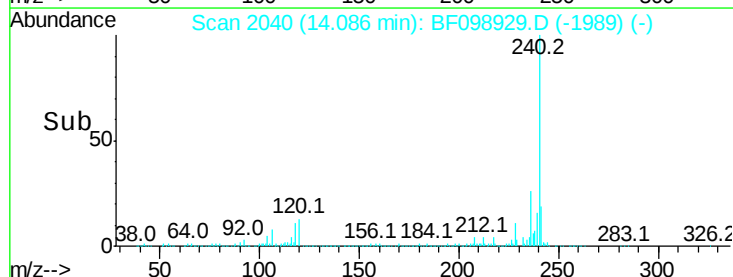
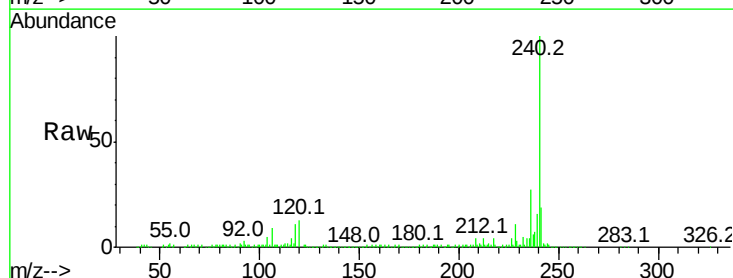
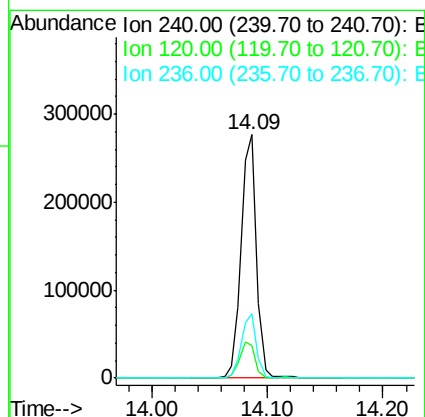
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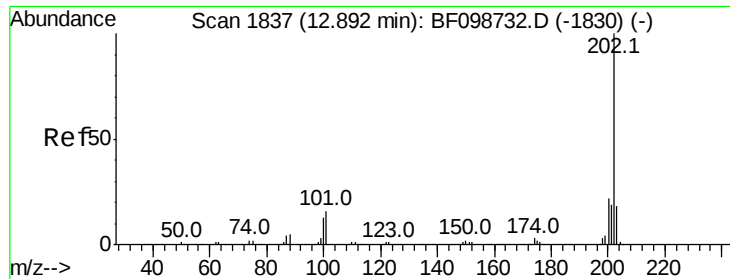
Delta R.T. -0.00 min

Lab File: BF098929.D

Acq: 29 Sep 2017 1:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.1	9.5	14.3
236	26.6	20.7	31.1





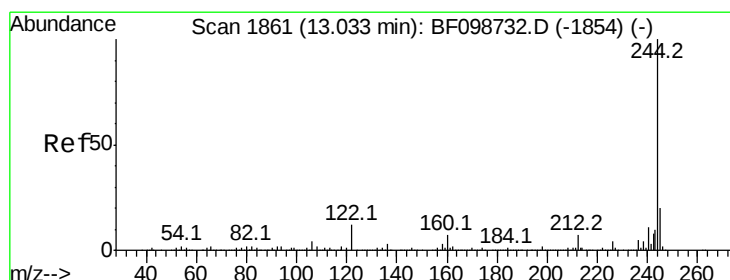
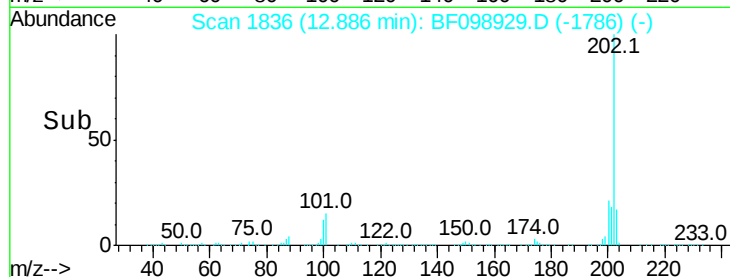
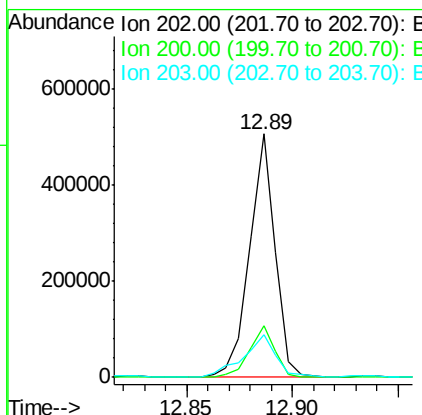
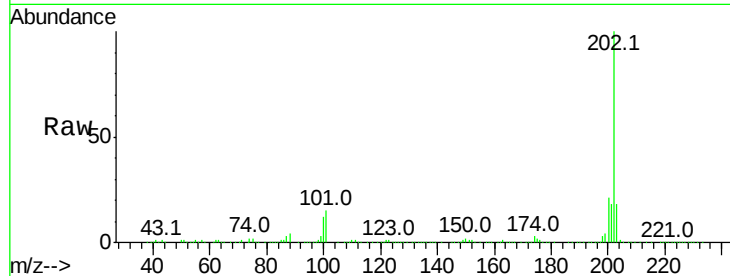
#77
Pvrene
Concen: 21.716 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Instrument :
BNA_F
ClientSampleId :
LB-28(4-4.5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.7	14.3	21.5

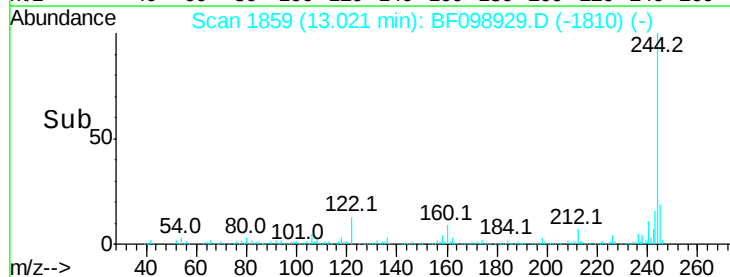
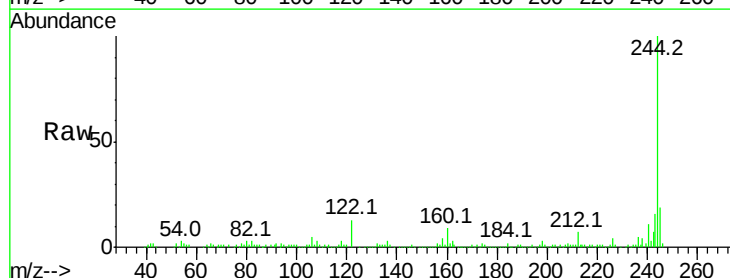
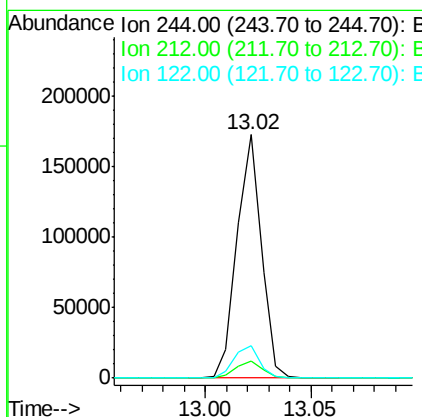
Manual Integrations
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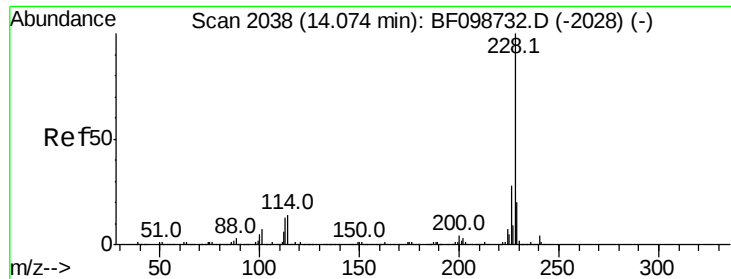
Sohil
9/29/2017 6:04:51 PM



#78
Terphenyl-d14
Concen: 12.212 ng
RT: 13.02 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	13.1	11.0	16.4





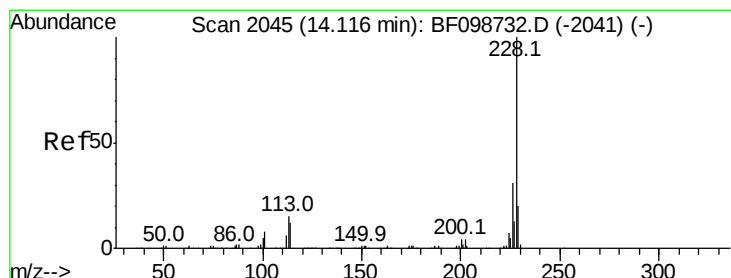
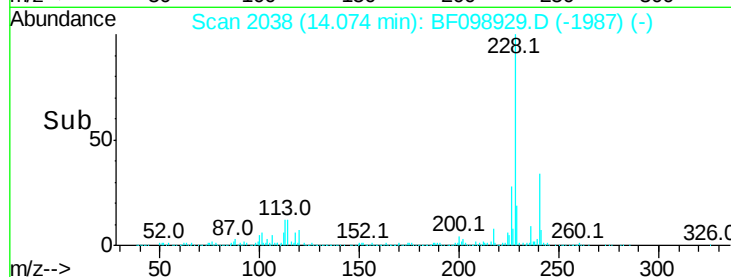
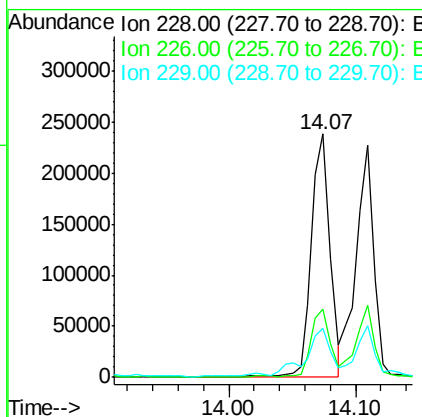
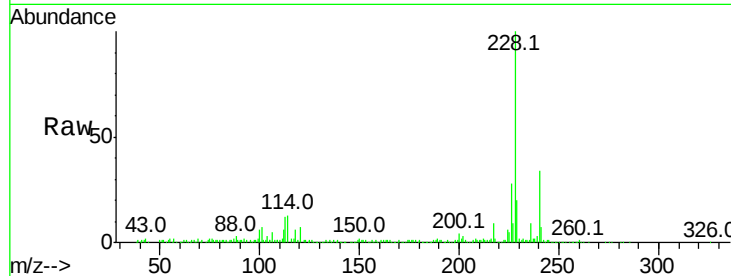
#80
Benzo(a)anthracene
Concen: 15.376 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Instrument :
BNA_F
ClientSampleId :
LB-28(4-4.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.1	15.8	23.6

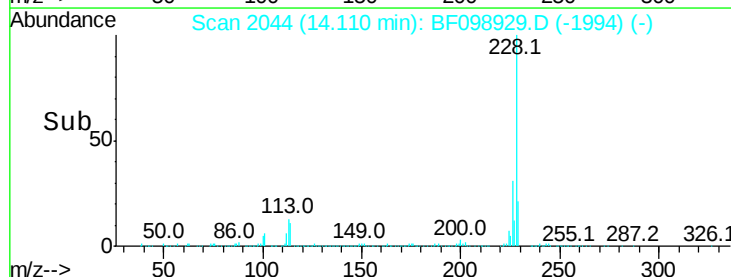
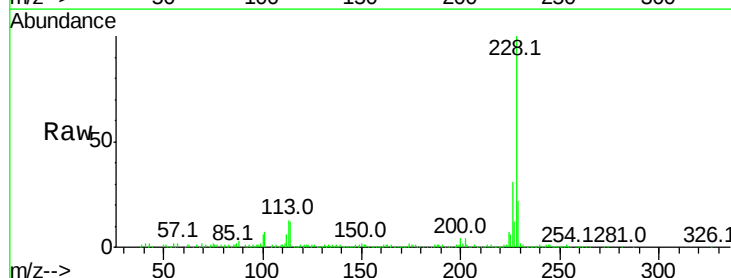
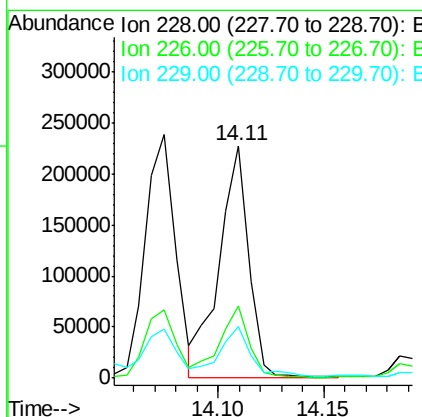
Manual Integrations
APPROVED

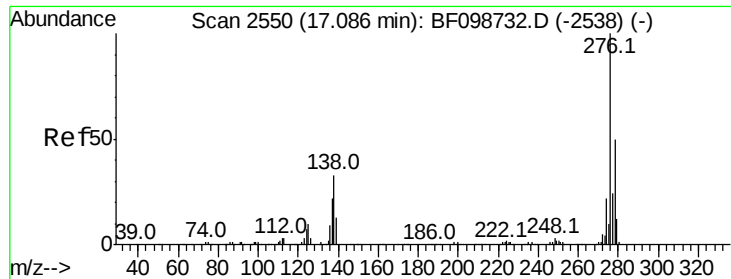
Sohil
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#82
Chrysene
Concen: 14.845 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.3	16.2	24.4





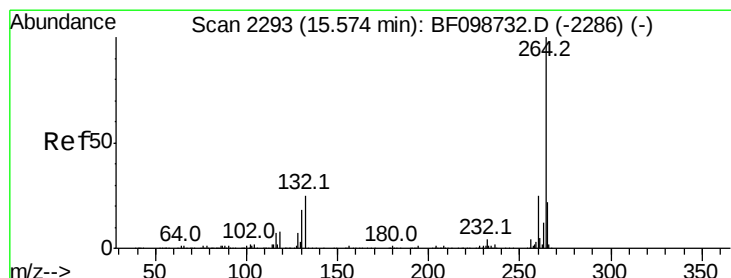
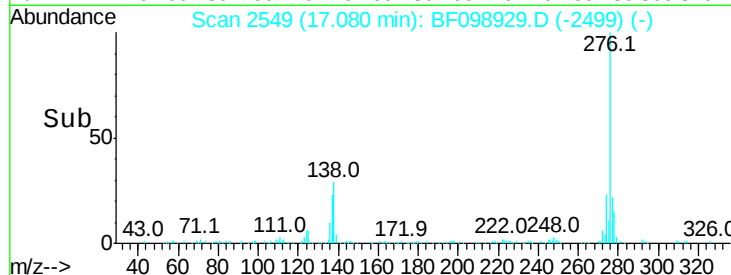
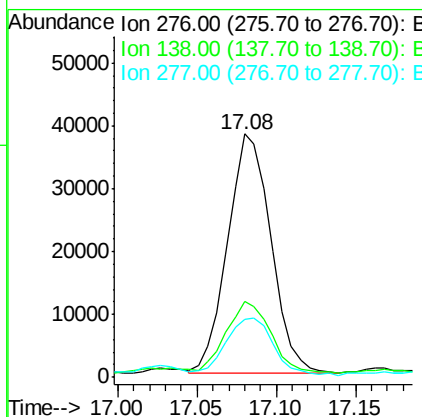
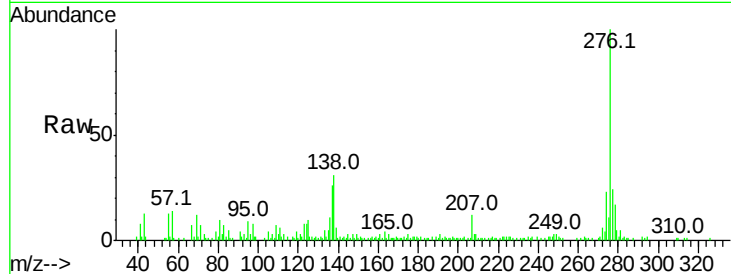
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.087 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Instrument :
BNA_F
ClientSampleId :
LB-28(4-4.5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.3	25.0	37.6
277	26.5	20.1	30.1

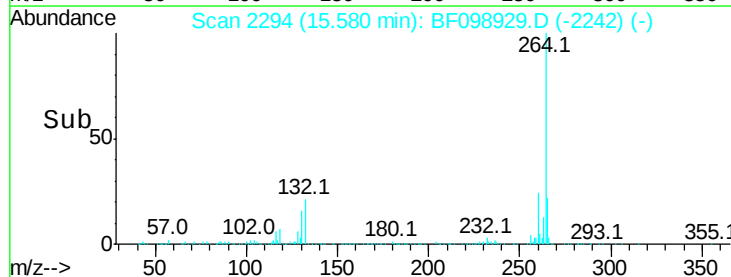
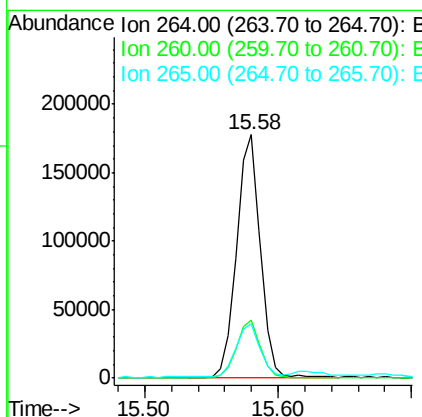
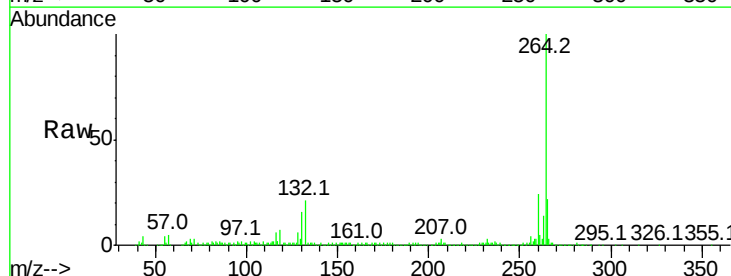
Manual Integrations
APPROVED

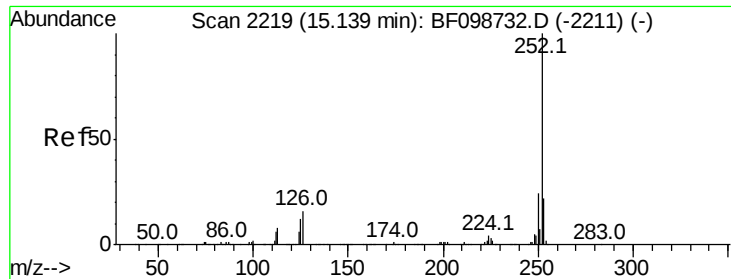
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.4	17.5	26.3





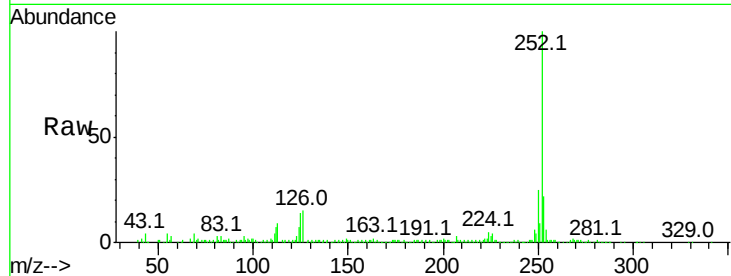
#87
Benzo(b)fluoranthene
Concen: 18.934 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Instrument :
BNA_F
ClientSampleId :
LB-28(4-4.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	14.5	9.0	13.6

Manual Integrations
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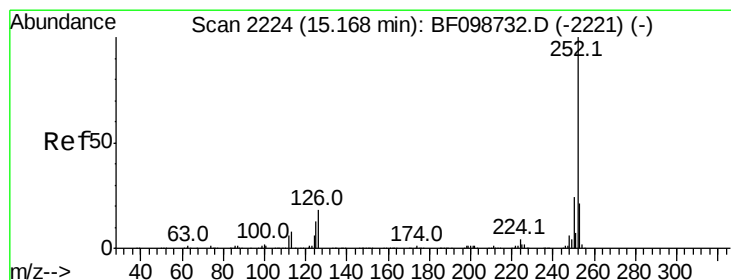
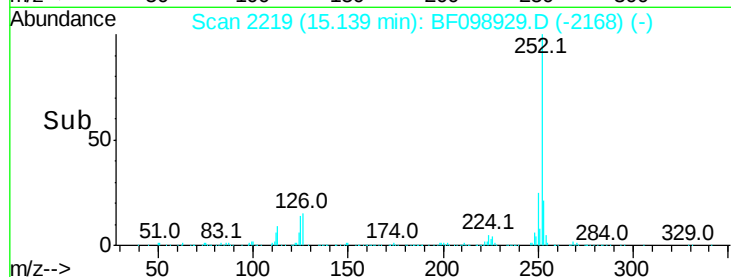
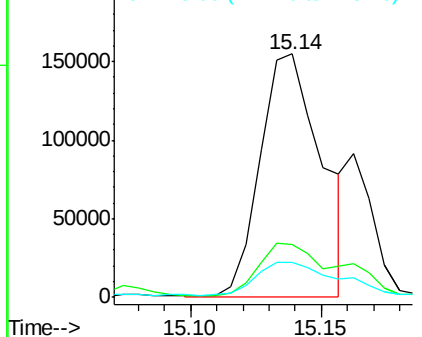


Abundance

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: 5.062 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

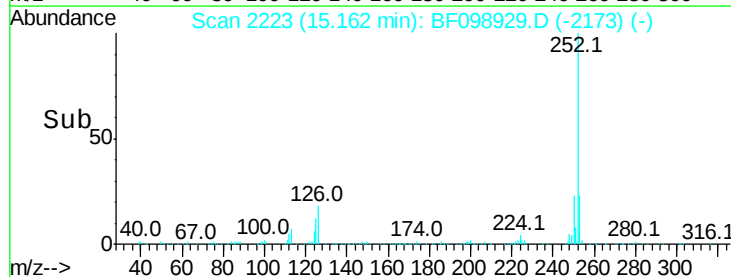
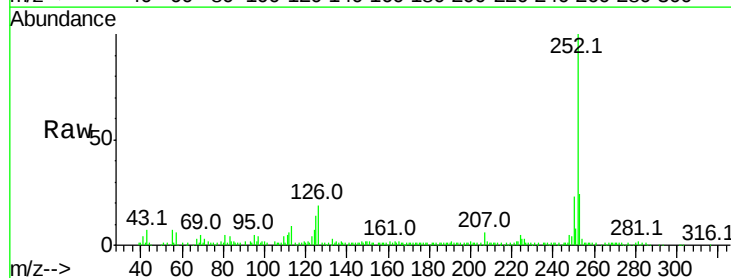
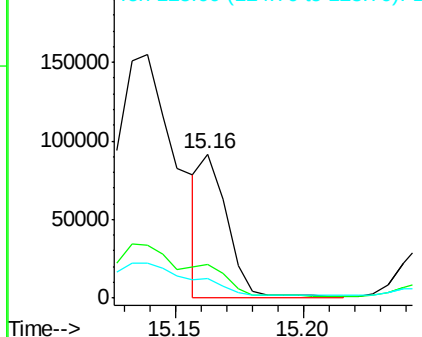
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	13.9	10.2	15.2

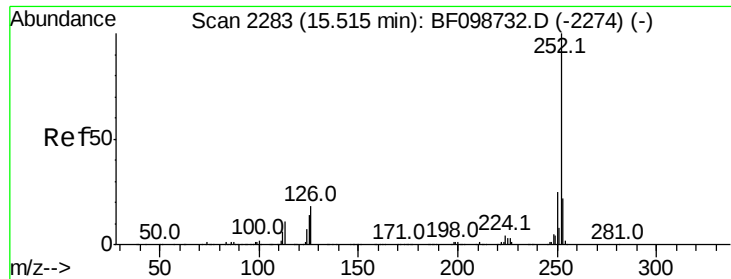
Abundance

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





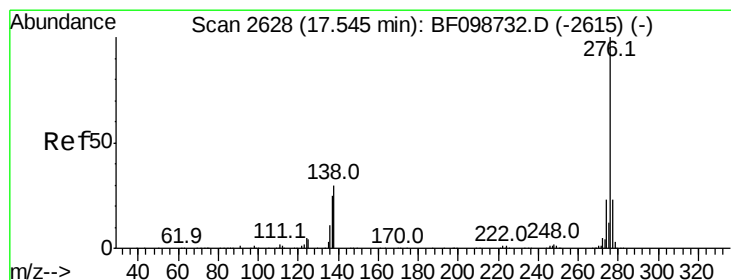
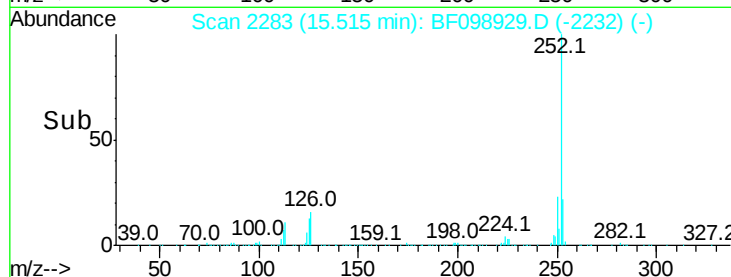
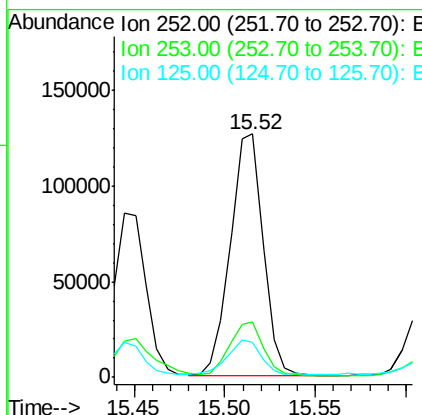
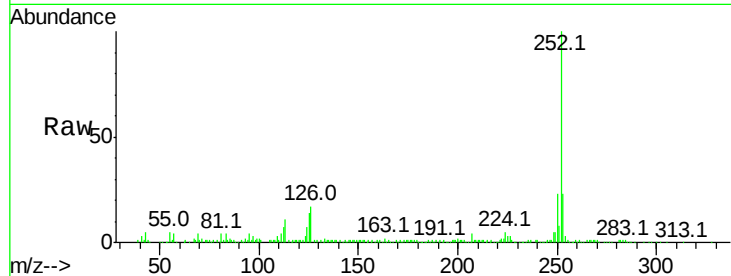
#89
Benzo(a)pyrene
Concen: 13.040 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Instrument :
BNA_F
ClientSampleId :
LB-28(4-4.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.1	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.182 ng
RT: 17.54 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BF098929.D
Acq: 29 Sep 2017 1:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.9	17.9	26.9
138	29.3	21.8	32.8

