

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085819.D
 Acq On : 28 Mar 2016 23:36
 Operator : UM/SJ
 Sample : H1942-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-929(0.3N)COMP

Manual Integrations
 APPROVED

Sohil
 4/12/2016 1:53:37 PM

Quant Time: Apr 12 12:37:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	104106	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	272862	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	119081	20.00	ng	0.02
63) Phenanthrene-d10	11.37	188	221161	20.00	ng	0.02
75) Chrysene-d12	13.98	240	197507	20.00	ng	0.00
86) Perylene-d12	15.40	264	197504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	891004	142.54	ng	0.01
7) Phenol-d6	6.46	99	1112079	139.92	ng	0.00
23) Nitrobenzene-d5	7.38	82	643310	132.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	200434	177.16	ng	0.02
44) 2-Fluorobiphenyl	9.20	172	889629	124.82	ng	0.01
78) Terphenyl-d14	12.94	244	859315	89.48	ng	0.01
Target Compounds						
37) 2-Methylnaphthalene	8.84	142	848192m	Below Cal		Qvalue
49) Dimethylphthalate	9.60	163	122658	13.58 ng	#	67
51) Acenaphthene	9.92	154	147514	20.06 ng	#	66
70) Phenanthrene	11.40	178	720755	63.47 ng	#	96
71) Anthracene	11.44	178	62563	5.25 ng	#	75
74) Fluoranthene	12.56	202	88417	7.33 ng		87
77) Pyrene	12.79	202	115776	7.13 ng	#	94
80) Benzo(a)anthracene	13.97	228	25907	2.30 ng	#	82
82) Chrysene	14.00	228	31755	2.80 ng	#	90
85) Indeno(1,2,3-cd)pyrene	16.78	276	18312m	2.09 ng		
87) Benzo(b)fluoranthene	15.00	252	40703m	3.27 ng		
91) Benzo(g,h,i)perylene	17.19	276	20787	2.00 ng		95

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

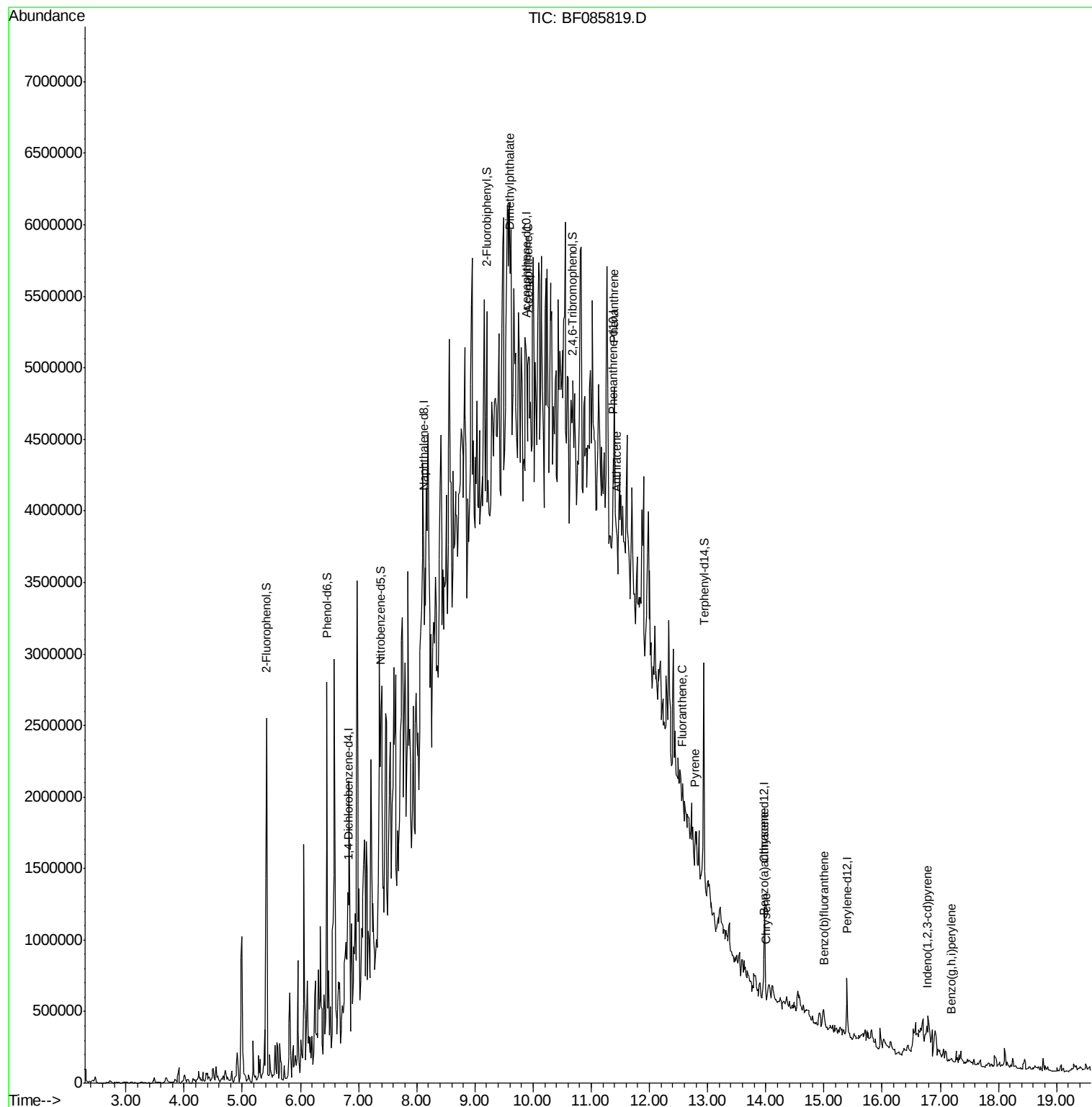
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
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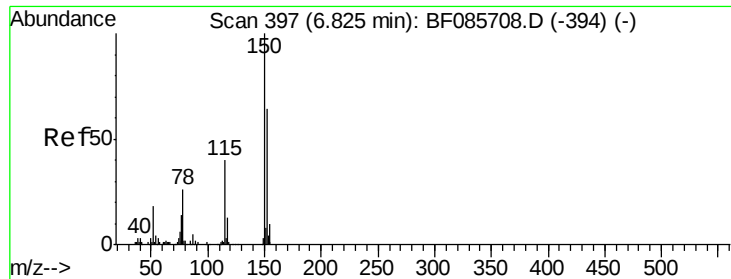
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF085819.D

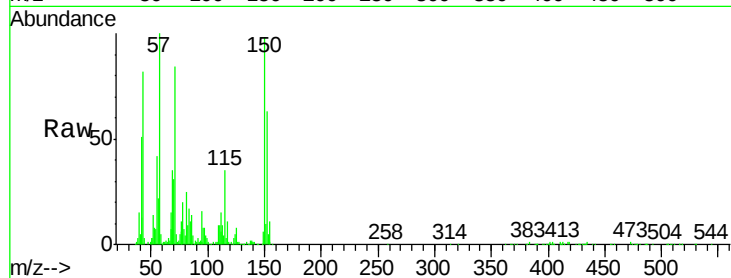
Acq: 28 Mar 2016 23:36

Instrument :

BNA_F

ClientSampleId :

B-929(0.3N)COMP



Tgt Ion:152 Resp: 104106

Ion Ratio Lower Upper

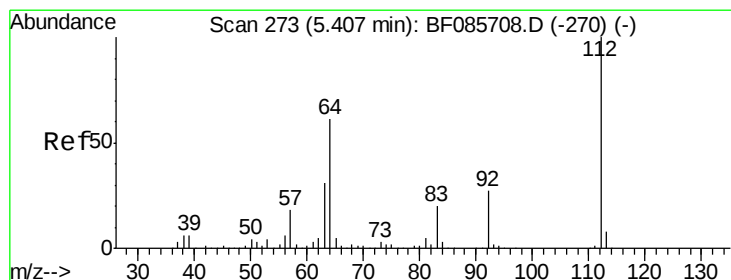
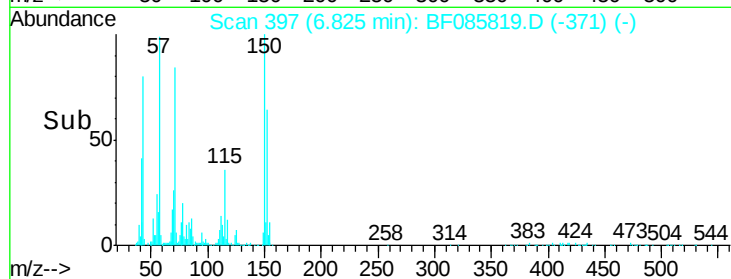
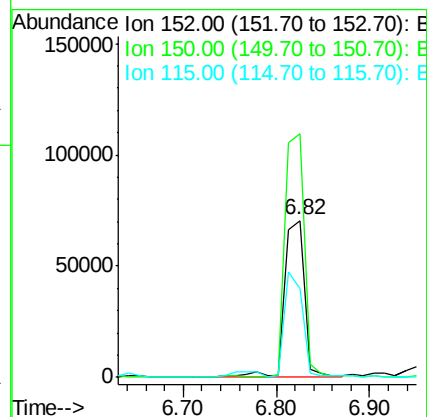
152 100

150 155.2 124.2 186.2

115 56.4 47.0 70.6

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#5

2-Fluorophenol

Concen: 142.54 ng

RT: 5.42 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF085819.D

Acq: 28 Mar 2016 23:36

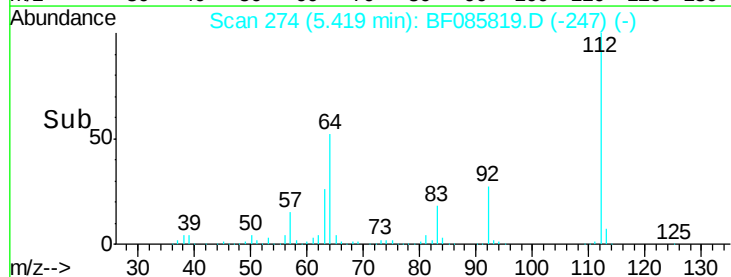
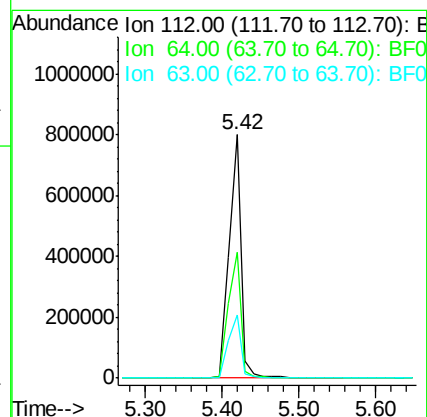
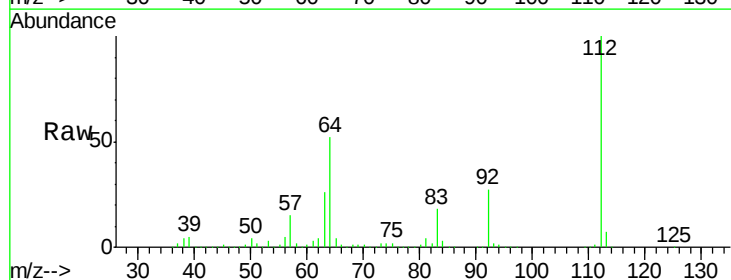
Tgt Ion:112 Resp: 891004

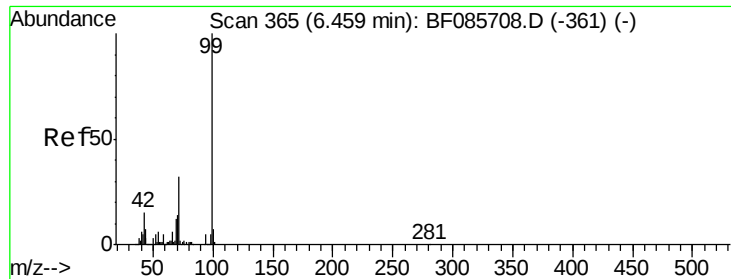
Ion Ratio Lower Upper

112 100

64 51.9 39.9 59.9

63 26.1 20.2 30.2





#7

Phenol-d6

Concen: 139.92 ng

RT: 6.46 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF085819.D

Acq: 28 Mar 2016 23:36

Instrument :

BNA_F

ClientSampleId :

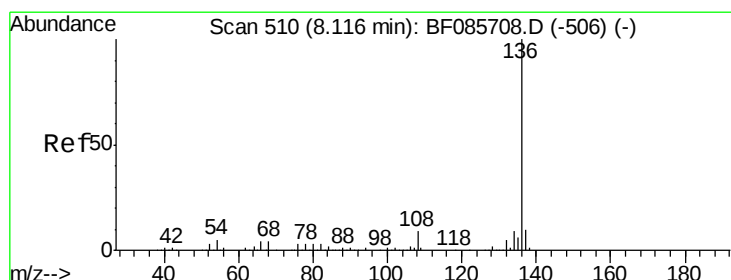
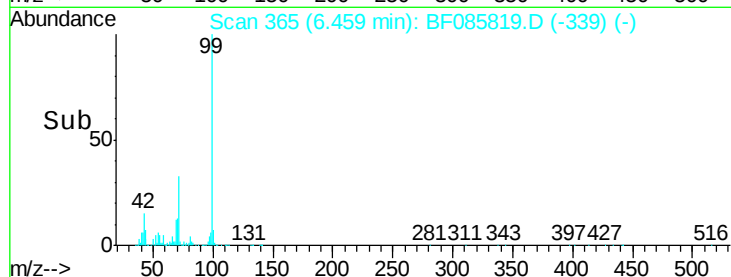
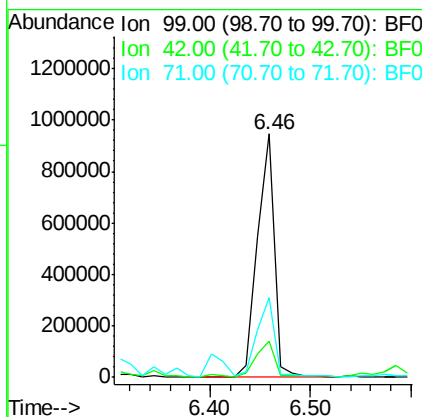
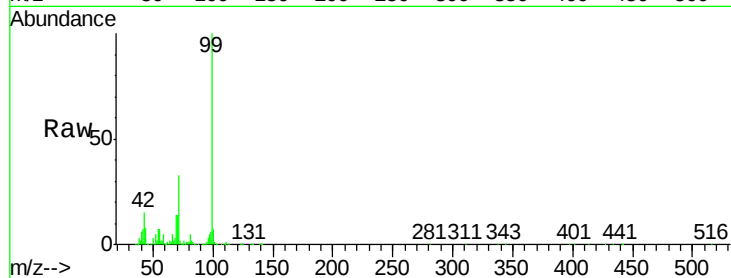
B-929(0.3N)COMP

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Tgt Ion:	99	Resp:	1112079
Ion	Ratio	Lower	Upper
99	100		
42	14.9	11.1	16.7
71	33.0	24.9	37.3



#21

Naphthalene-d8

Concen: 20.00 ng

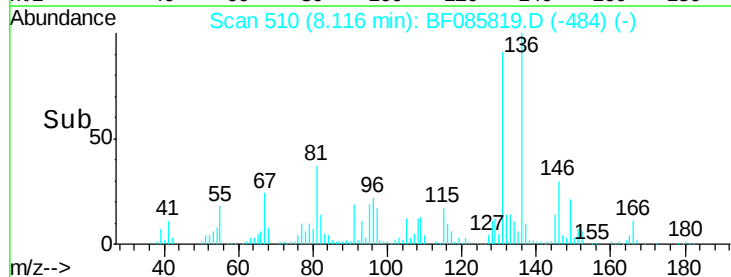
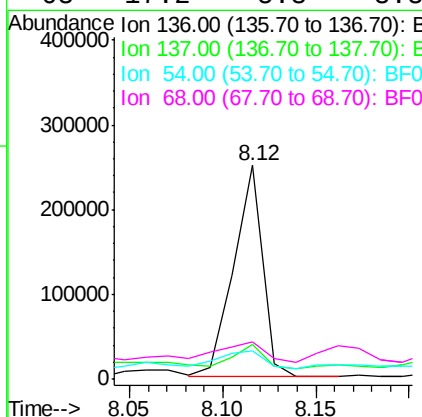
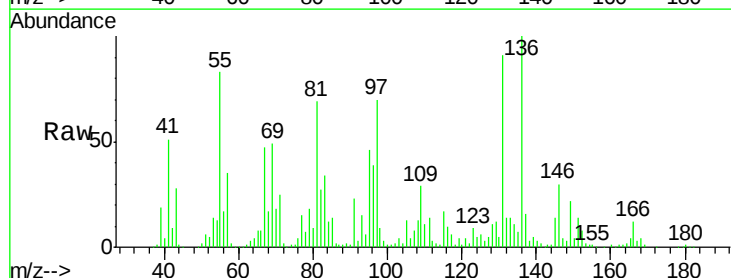
RT: 8.12 min Scan# 510

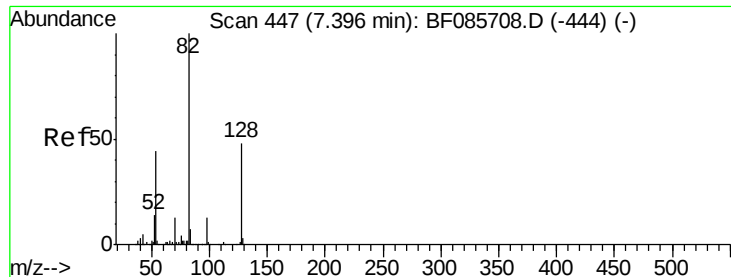
Delta R.T. 0.00 min

Lab File: BF085819.D

Acq: 28 Mar 2016 23:36

Tgt Ion:	136	Resp:	272862
Ion	Ratio	Lower	Upper
136	100		
137	16.1	9.1	13.7#
54	13.3	7.4	11.0#
68	17.2	5.8	8.8#





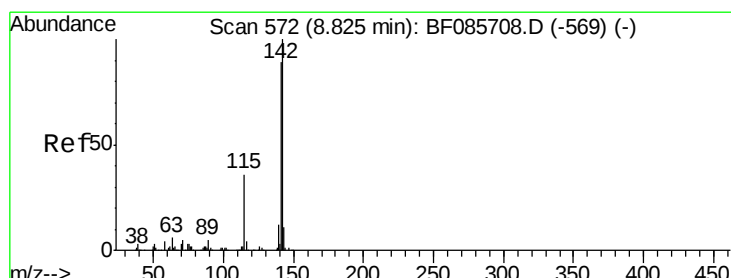
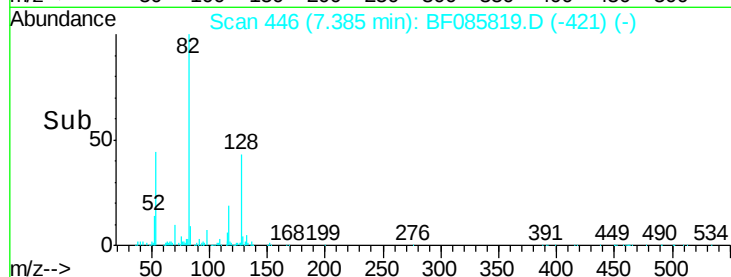
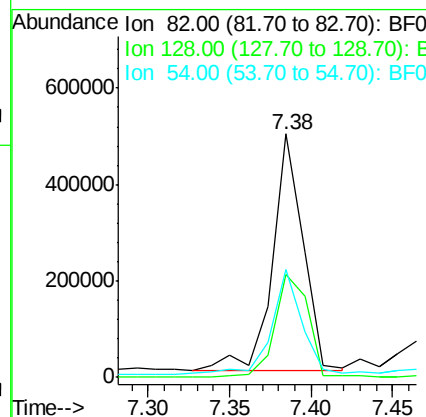
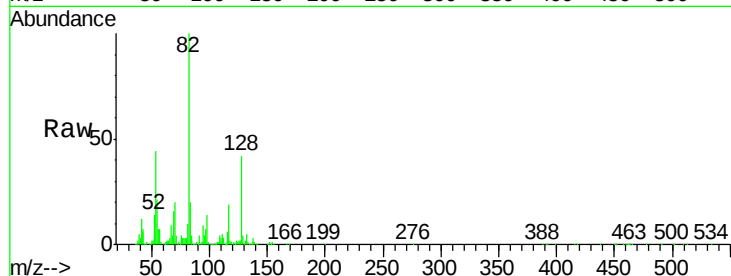
#23
 Nitrobenzene-d5
 Concen: 132.77 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085819.D
 Acq: 28 Mar 2016 23:36

Instrument :
 BNA_F
 ClientSampleId :
 B-929(0.3N)COMP

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	643310		
128	42.0	41.8	62.8	
54	44.1	33.4	50.0	

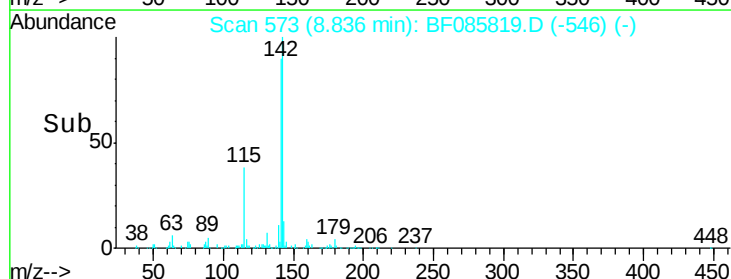
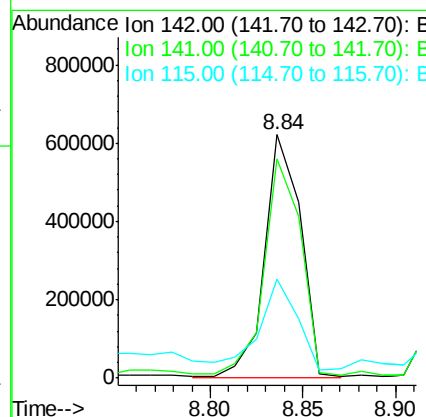
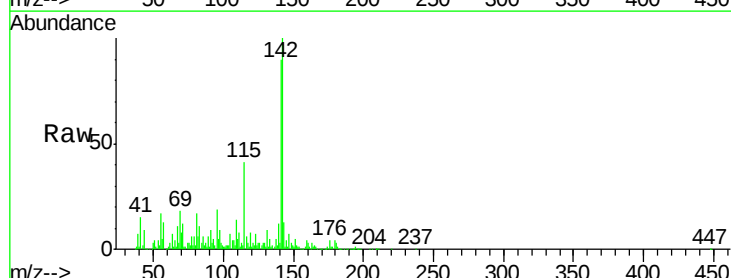
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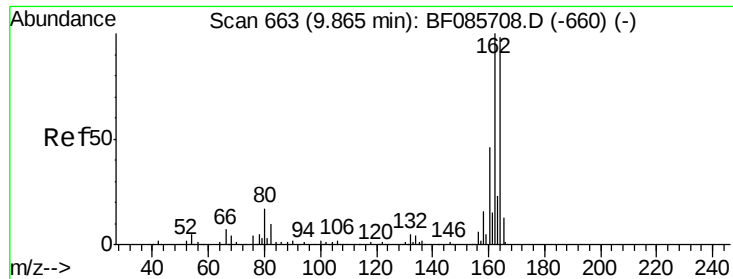
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#37
 2-Methylnaphthalene
 Concen: Below Cal m
 RT: 8.84 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: BF085819.D
 Acq: 28 Mar 2016 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	848192		
141	90.3	71.6	107.4	
115	40.8	26.8	40.2#	





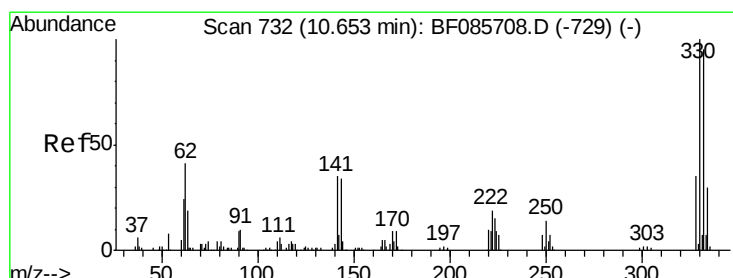
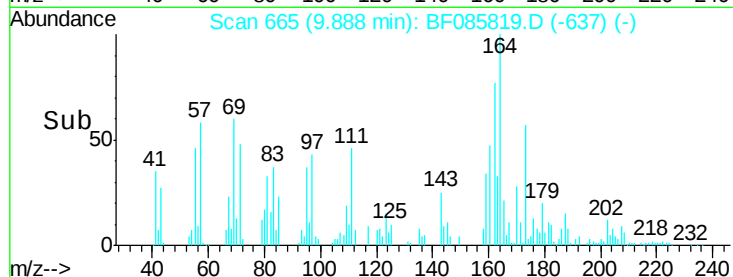
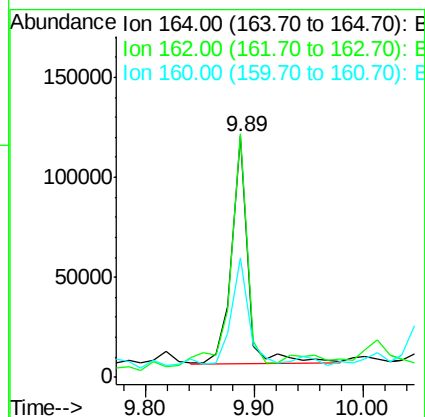
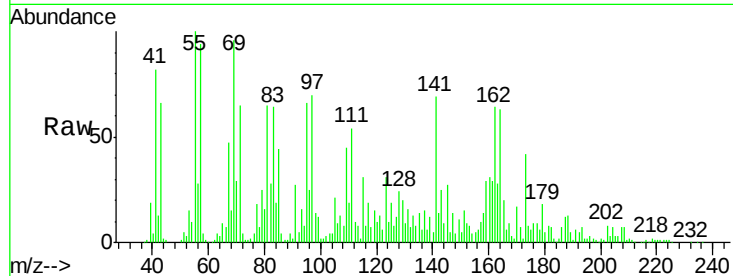
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. 0.02 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36

Instrument :
BNA_F
ClientSampleId :
B-929(0.3N)COMP

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119081		
162	101.1	82.1	123.1	
160	49.6	37.4	56.2	

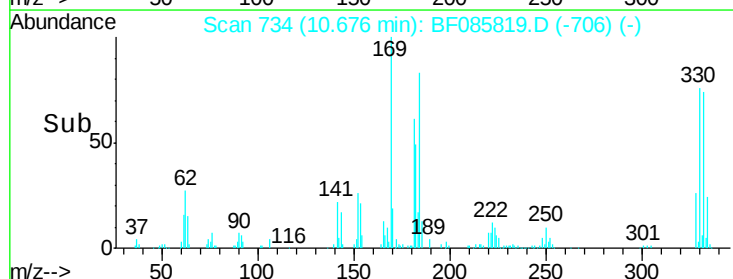
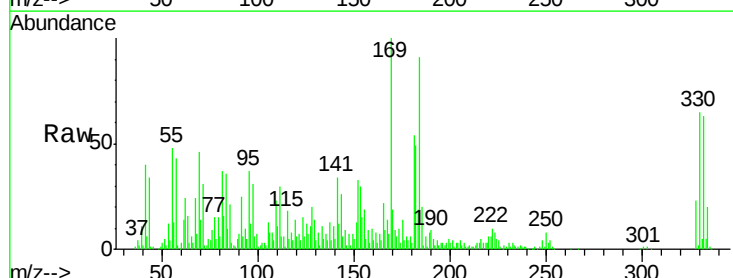
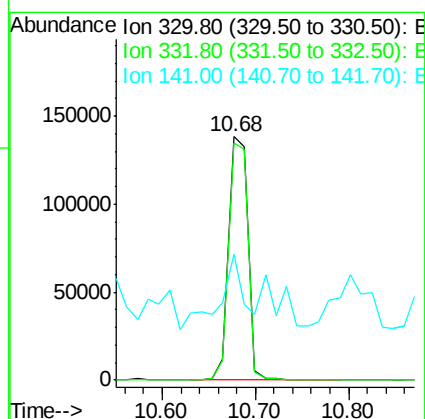
Manual Integrations
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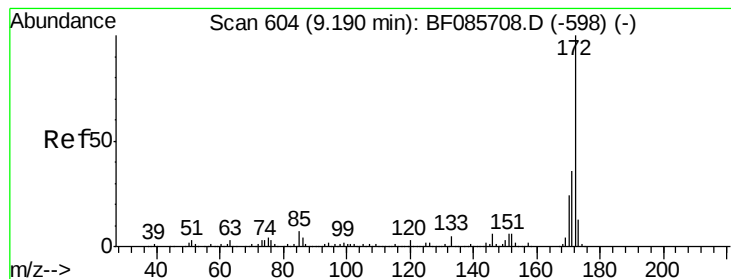
Sohil
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#41
2,4,6-Tribromophenol
Concen: 177.16 ng
RT: 10.68 min Scan# 734
Delta R.T. 0.02 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36

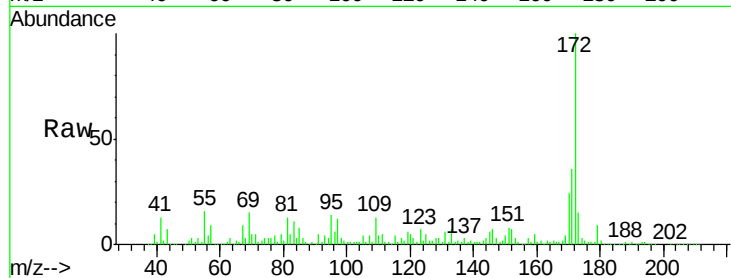
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	200434		
332	97.6	78.2	117.2	
141	21.3	31.5	47.3	





#44
2-Fluorobiphenyl
Concen: 124.82 ng
RT: 9.20 min Scan# 605
Delta R.T. 0.01 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36

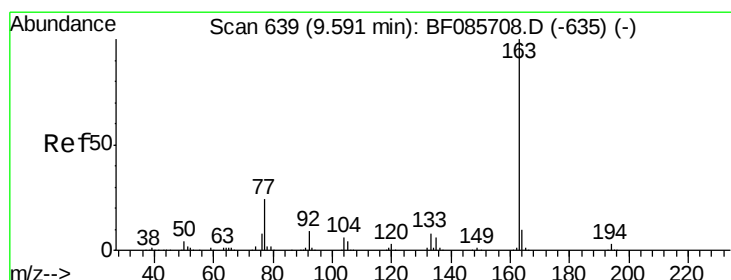
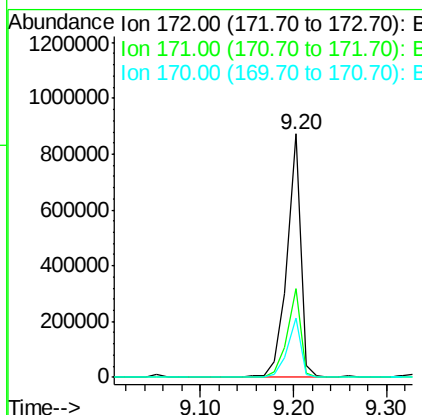
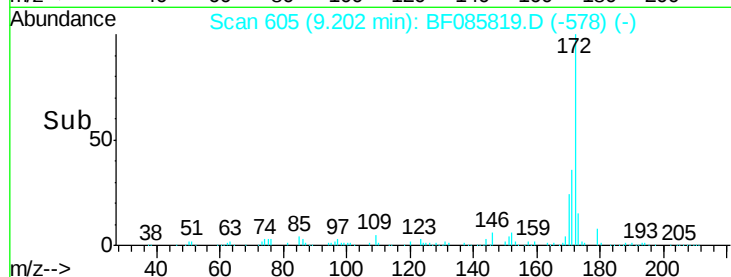
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B-929(0.3N)COMP



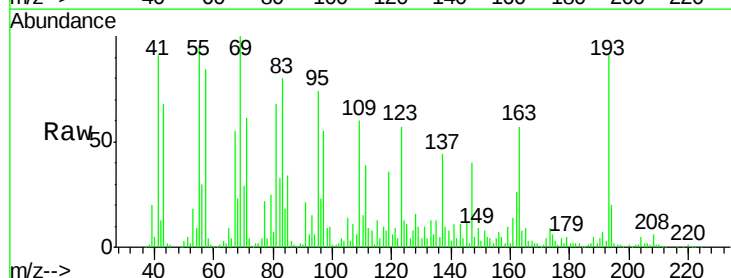
Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.4	29.4	44.2
170	24.1	19.8	29.6

Manual Integrations
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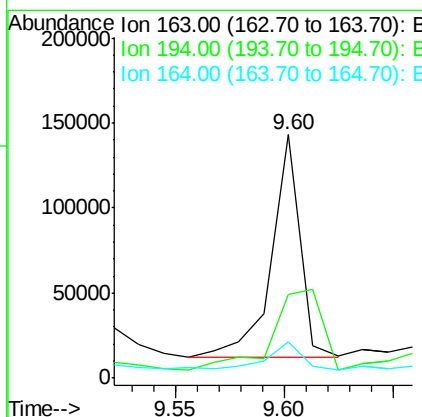
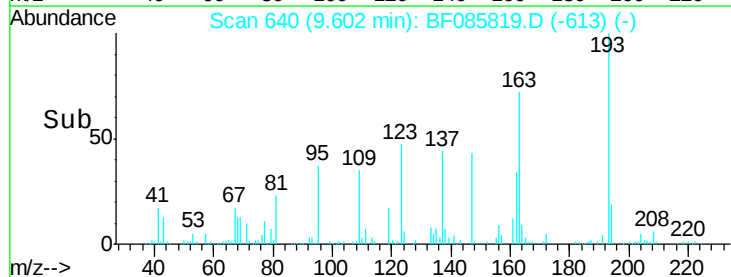
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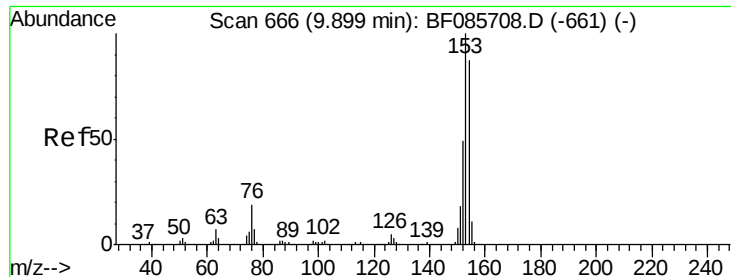


#49
Dimethylphthalate
Concen: 13.58 ng
RT: 9.60 min Scan# 640
Delta R.T. 0.01 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36



Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	34.4	2.9	4.3#
164	14.7	8.3	12.5#





#51

Acenaphthene

Concen: 20.06 ng

RT: 9.92 min Scan# 668

Delta R.T. 0.02 min

Lab File: BF085819.D

Acq: 28 Mar 2016 23:36

Instrument :

BNA_F

ClientSampleId :

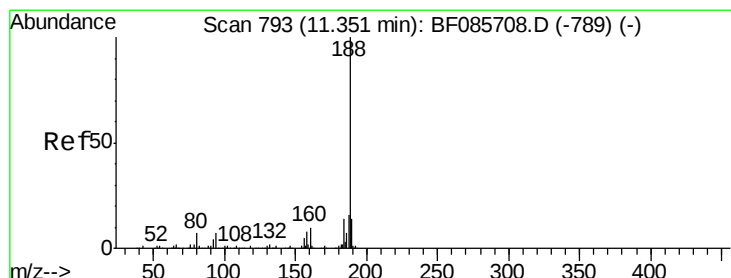
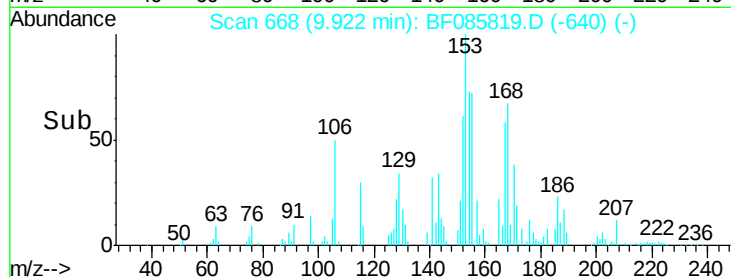
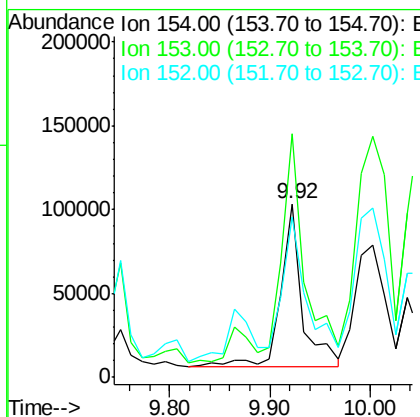
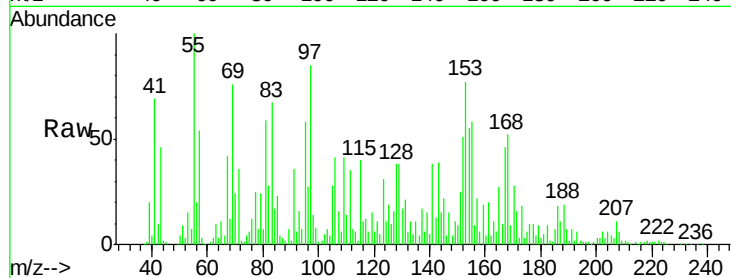
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Tgt Ion	Ratio	Resp	Lower	Upper
154	100	147514		
153	140.4	90.1	135.1#	
152	92.4	44.2	66.2#	



#63

Phenanthrene-d10

Concen: 20.00 ng

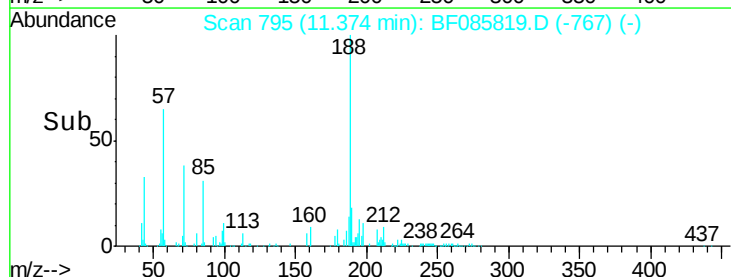
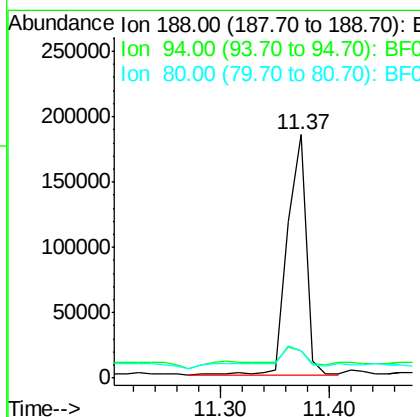
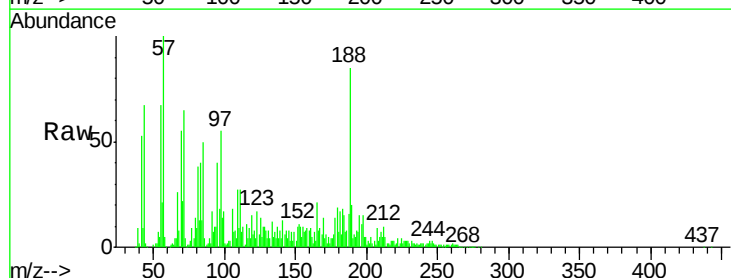
RT: 11.37 min Scan# 795

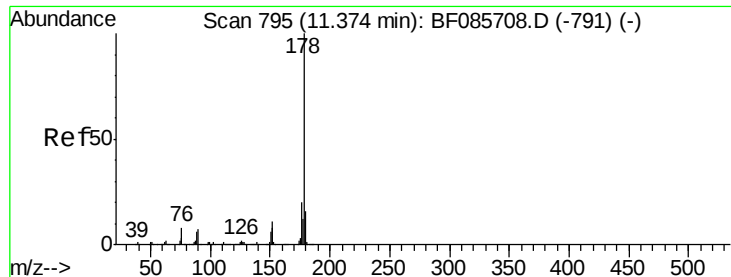
Delta R.T. 0.02 min

Lab File: BF085819.D

Acq: 28 Mar 2016 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	221161		
94	11.3	5.4	8.0#	
80	11.0	5.5	8.3#	





#70

Phenanthrene

Concen: 63.47 ng

RT: 11.40 min Scan# 797

Delta R.T. 0.02 min

Lab File: BF085819.D

Acq: 28 Mar 2016 23:36

Instrument :

BNA_F

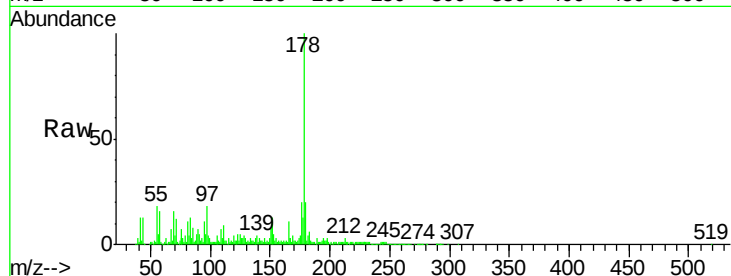
ClientSampleId :

B-929(0.3N)COMP

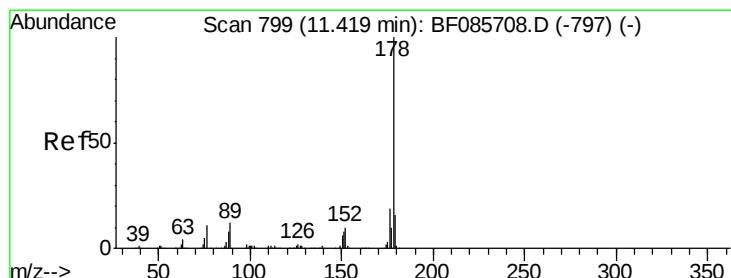
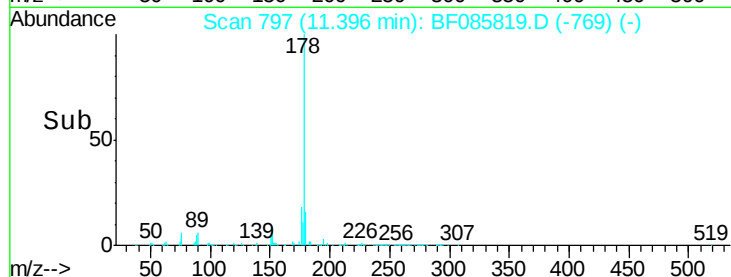
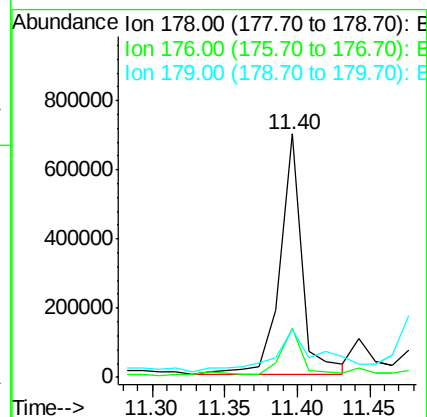
Manual Integrations
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.3	24.5
179	19.8	12.6	18.8



#71

Anthracene

Concen: 5.25 ng

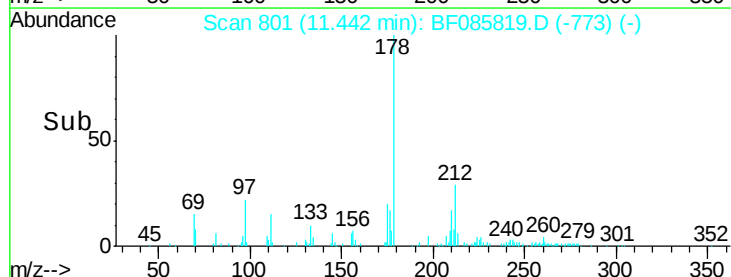
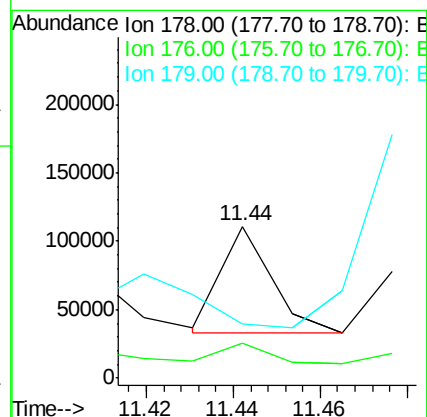
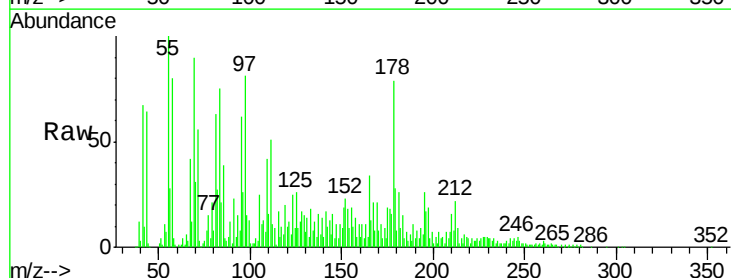
RT: 11.44 min Scan# 801

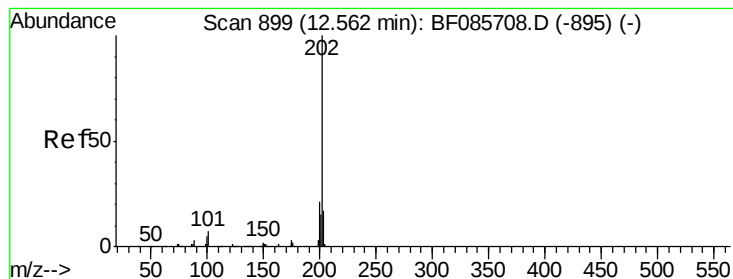
Delta R.T. 0.02 min

Lab File: BF085819.D

Acq: 28 Mar 2016 23:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.1	15.9	23.9
179	36.1	13.0	19.4





#74

Fluoranthene

Concen: 7.33 ng

RT: 12.56 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF085819.D

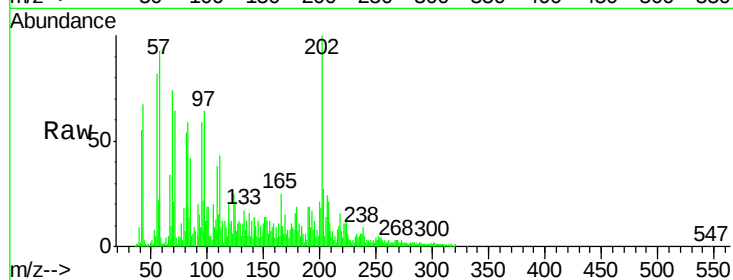
Acq: 28 Mar 2016 23:36

Instrument :

BNA_F

ClientSampleId :

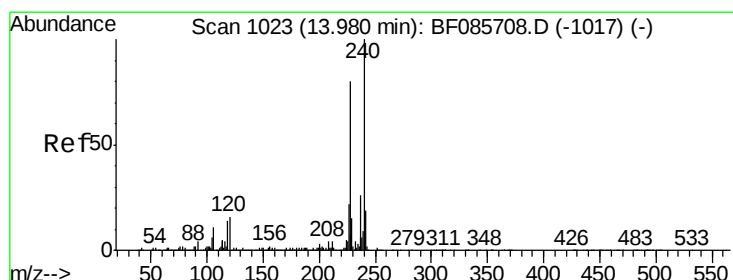
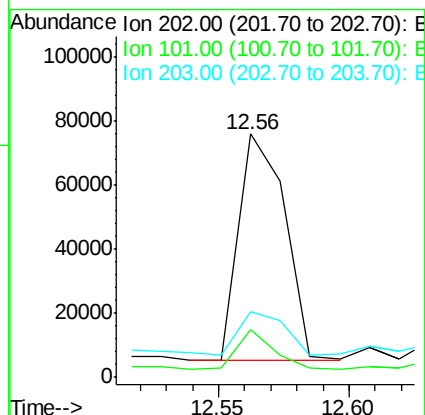
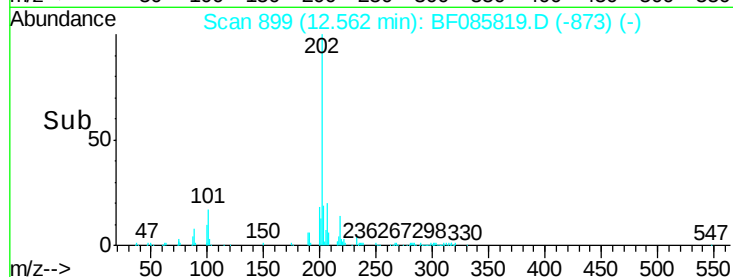
B-929(0.3N)COMP



Tgt Ion:	202	Resp:	88417
Ion Ratio	Lower	Upper	
202	100		
101	19.4	0.0	36.6
203	26.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

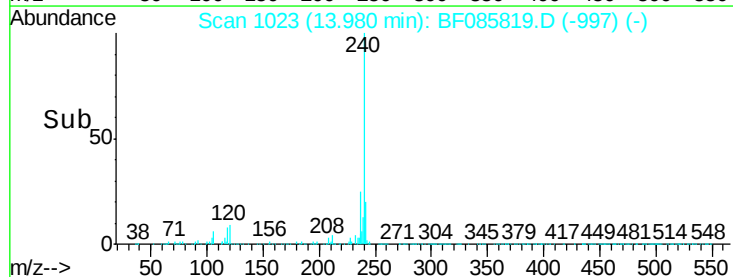
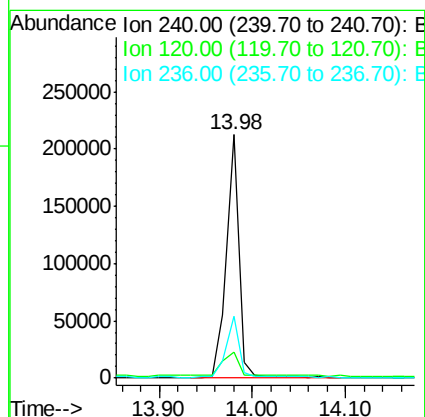
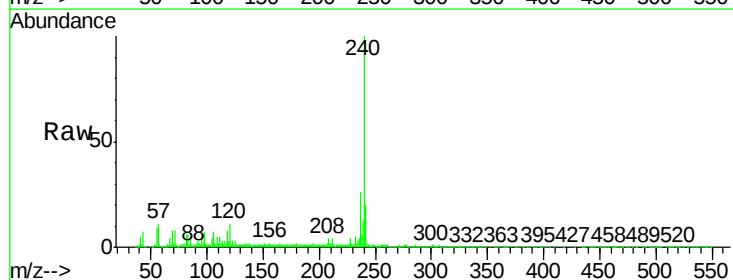
RT: 13.98 min Scan# 1023

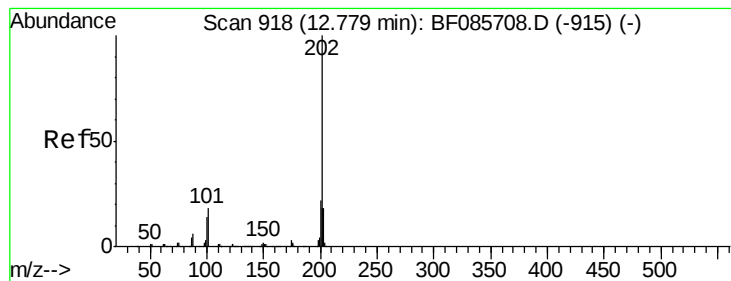
Delta R.T. 0.00 min

Lab File: BF085819.D

Acq: 28 Mar 2016 23:36

Tgt Ion:	240	Resp:	197507
Ion Ratio	Lower	Upper	
240	100		
120	10.5	13.8	20.8#
236	25.5	20.6	30.8





#77

Pyrene

Concen: 7.13 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085819.D

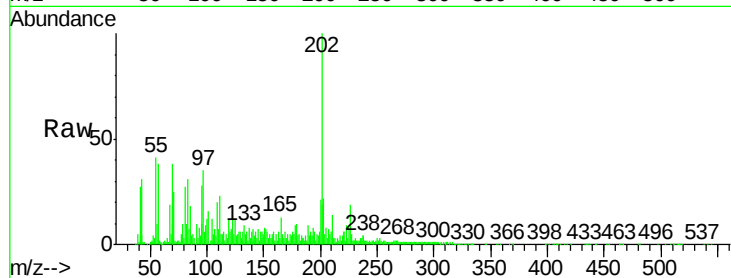
Acq: 28 Mar 2016 23:36

Instrument :

BNA_F

ClientSampleId :

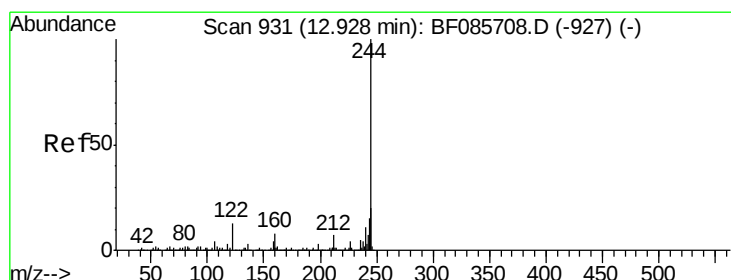
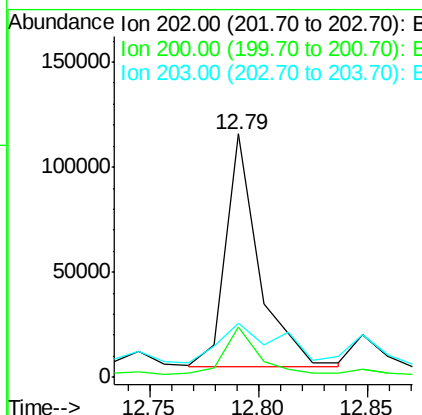
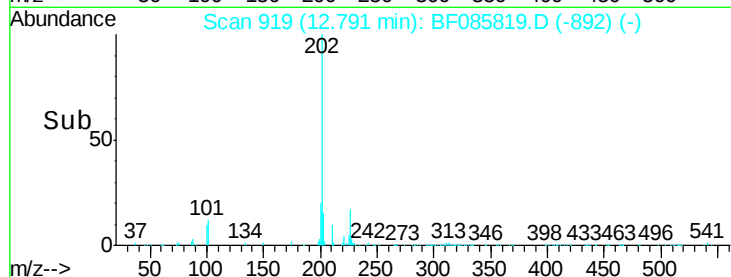
B-929(0.3N)COMP



Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	17.6	26.4	
203	22.2	14.0	21.0	

Manual Integrations
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#78

Terphenyl-d14

Concen: 89.48 ng

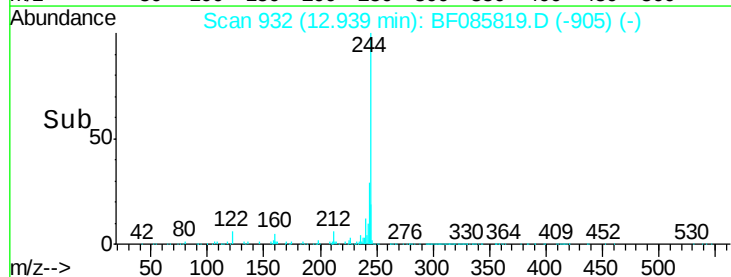
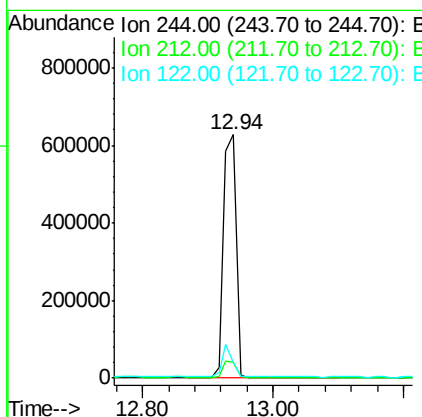
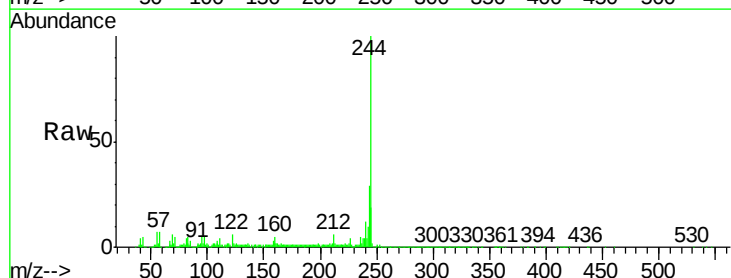
RT: 12.94 min Scan# 932

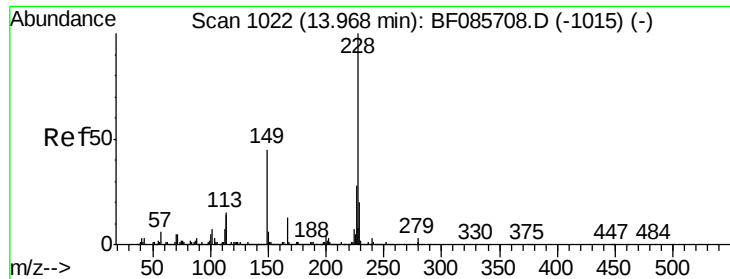
Delta R.T. 0.01 min

Lab File: BF085819.D

Acq: 28 Mar 2016 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.5	6.1	9.1	
122	6.4	10.2	15.4	





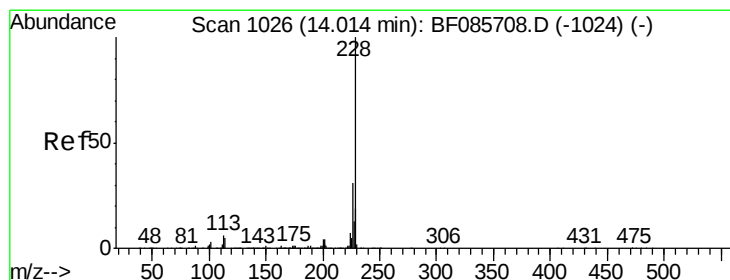
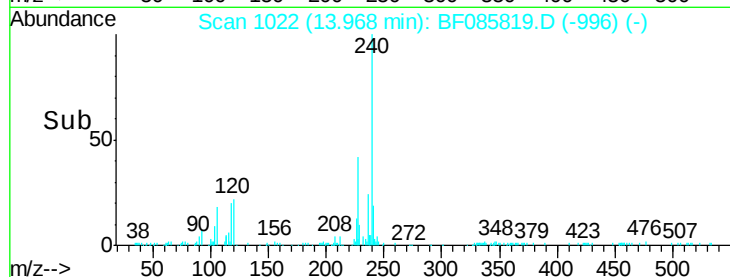
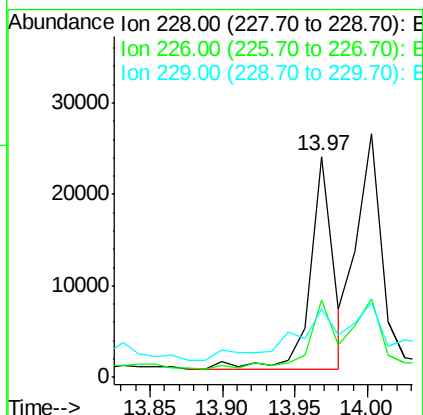
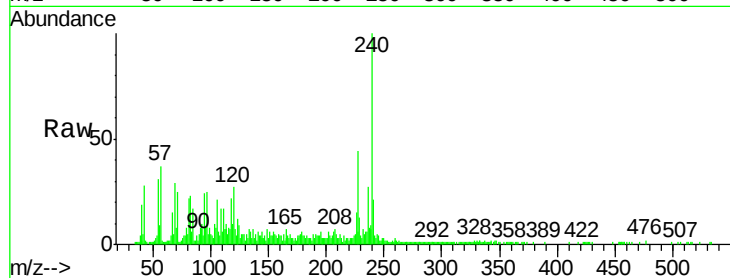
#80
Benzo(a)anthracene
Concen: 2.30 ng
RT: 13.97 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36

Instrument :
BNA_F
ClientSampleId :
B-929(0.3N)COMP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.1	33.1#
229	30.6	16.2	24.4#

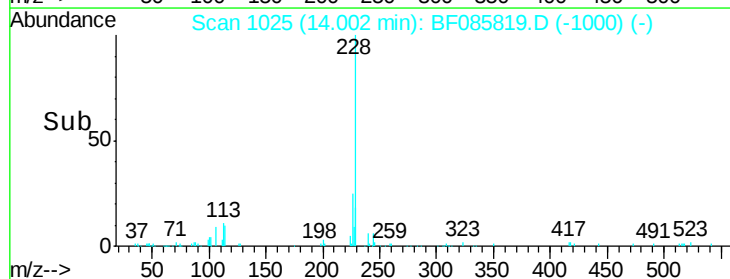
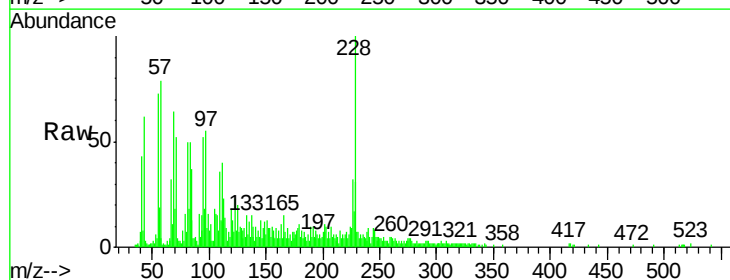
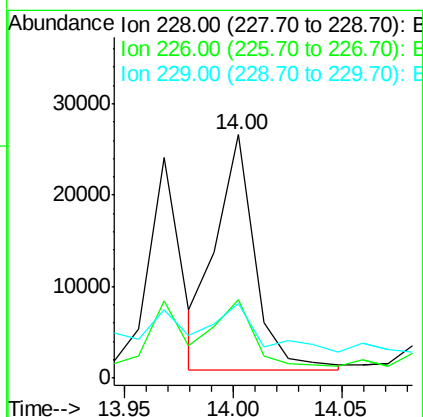
Manual Integrations
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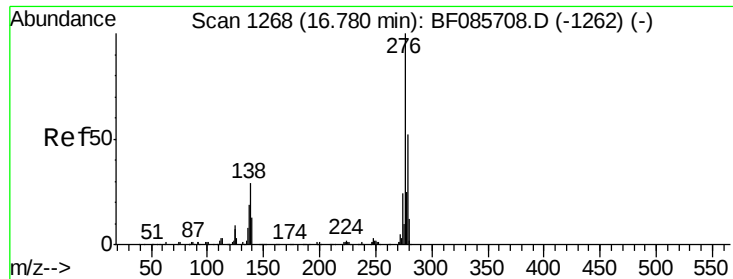
Sohil
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#82
Chrysene
Concen: 2.80 ng
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.0	37.6
229	30.6	15.7	23.5#





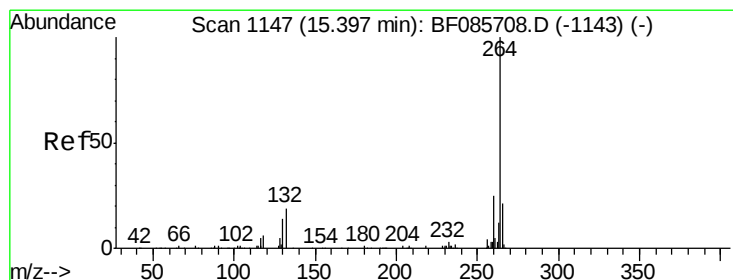
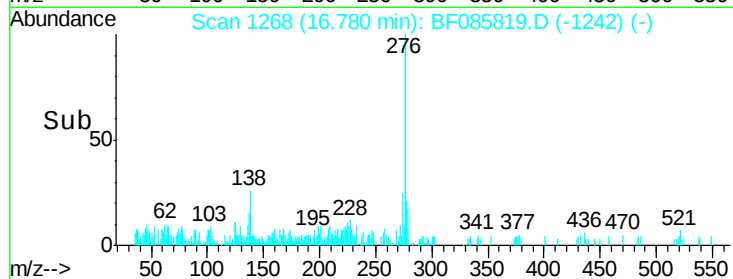
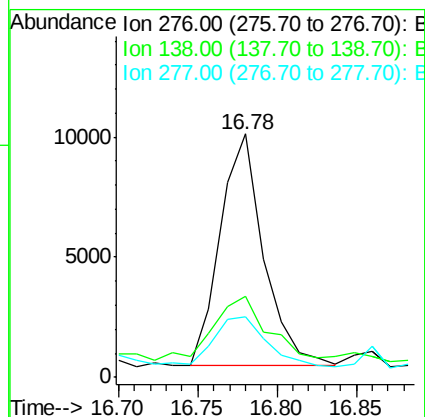
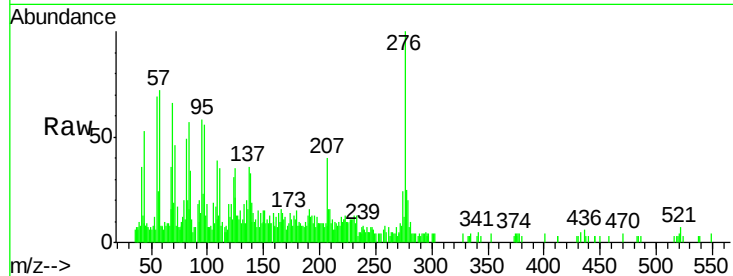
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.09 ng m
RT: 16.78 min Scan# 1268
Delta R.T. 0.00 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36

Instrument :
BNA_F
ClientSampleId :
B-929(0.3N)COMP

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	18312		
138	35.6	24.2	36.4	
277	27.4	20.0	30.0	

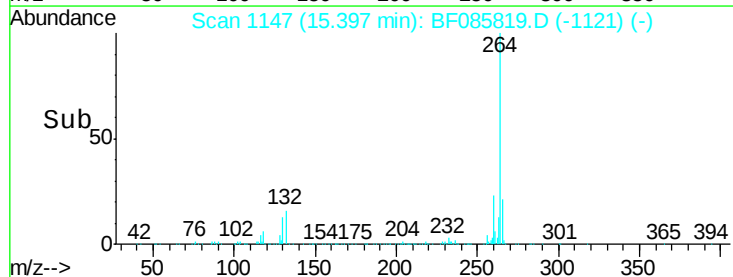
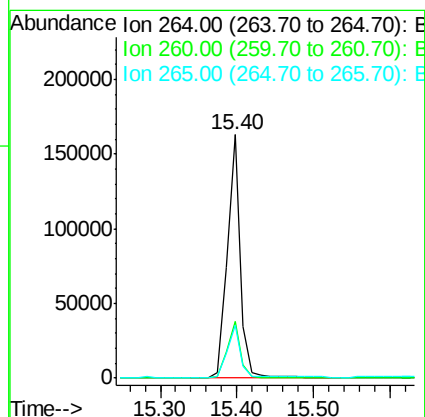
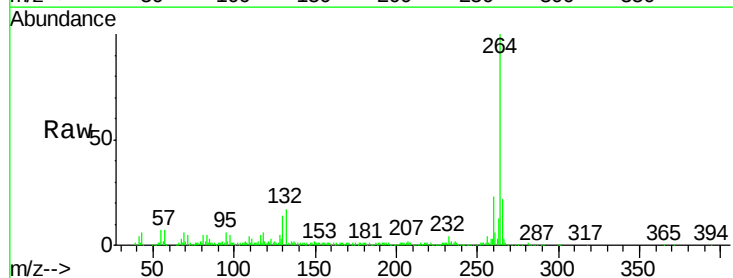
Manual Integrations
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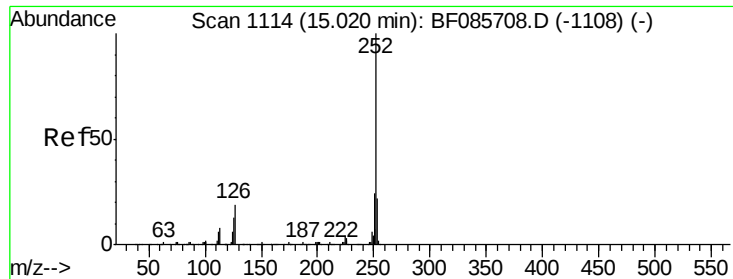
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4/12/2016 1:53:37 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	197504		
260	23.4	19.4	29.2	
265	21.6	17.2	25.8	





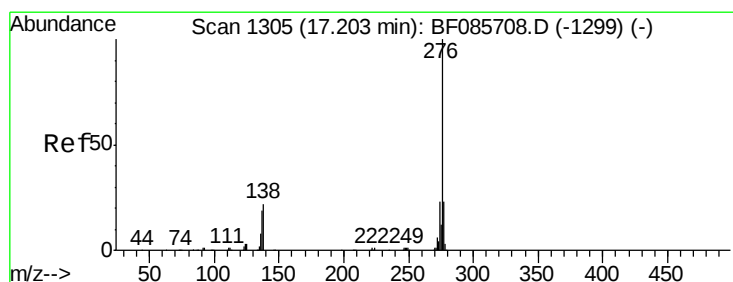
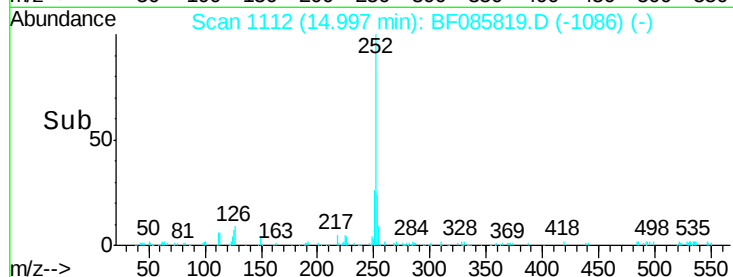
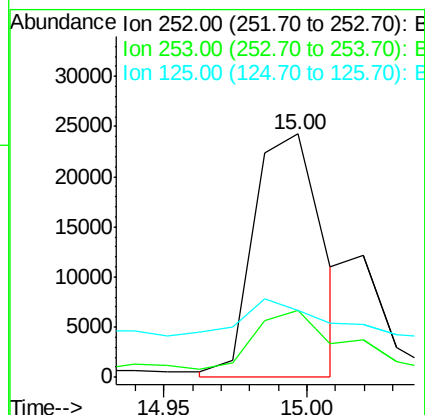
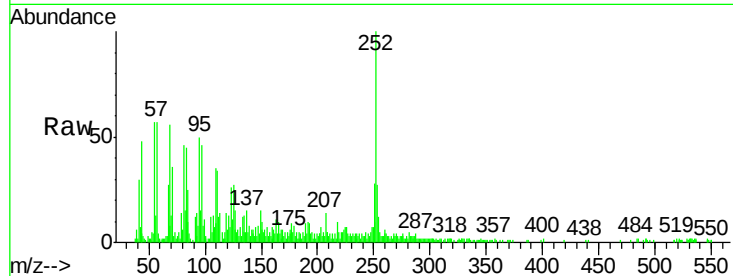
#87
Benzo(b)fluoranthene
Concen: 3.27 ng m
RT: 15.00 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36

Instrument :
BNA_F
ClientSampleId :
B-929(0.3N)COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.6	26.4#
125	27.5	10.3	15.5#

Manual Integrations
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4/12/2016 1:53:37 PM



#91
Benzo(g,h,i)perylene
Concen: 2.00 ng
RT: 17.19 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF085819.D
Acq: 28 Mar 2016 23:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	31.9	22.6	34.0

