

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085644.D
 Acq On : 22 Mar 2016 3:54
 Operator : UM/SJ
 Sample : H1840-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-23.0-25.0

Manual Integrations
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Sohil
 3/22/2016 5:34:40 PM

Quant Time: Mar 22 05:43:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	108519	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	376209	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	165452	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	258580	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	206762	20.00	ng	-0.02
86) Perylene-d12	15.42	264	225823	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	972634	150.54	ng	0.00
7) Phenol-d6	6.48	99	1087328	131.22	ng	-0.01
23) Nitrobenzene-d5	7.41	82	629169	97.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	203538	125.59	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1006964	113.05	ng	-0.01
78) Terphenyl-d14	12.95	244	684135	79.62	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.85	142	386089	33.36	ng	99
49) Dimethylphthalate	9.60	163	178876	14.33	ng	# 89
51) Acenaphthene	9.92	154	51185	4.83	ng	# 71
57) Fluorene	10.44	166	93240	8.68	ng	# 90
70) Phenanthrene	11.40	178	274358	20.12	ng	96
74) Fluoranthene	12.57	202	36396	2.55	ng	94
77) Pyrene	12.80	202	49938	3.36	ng	96

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

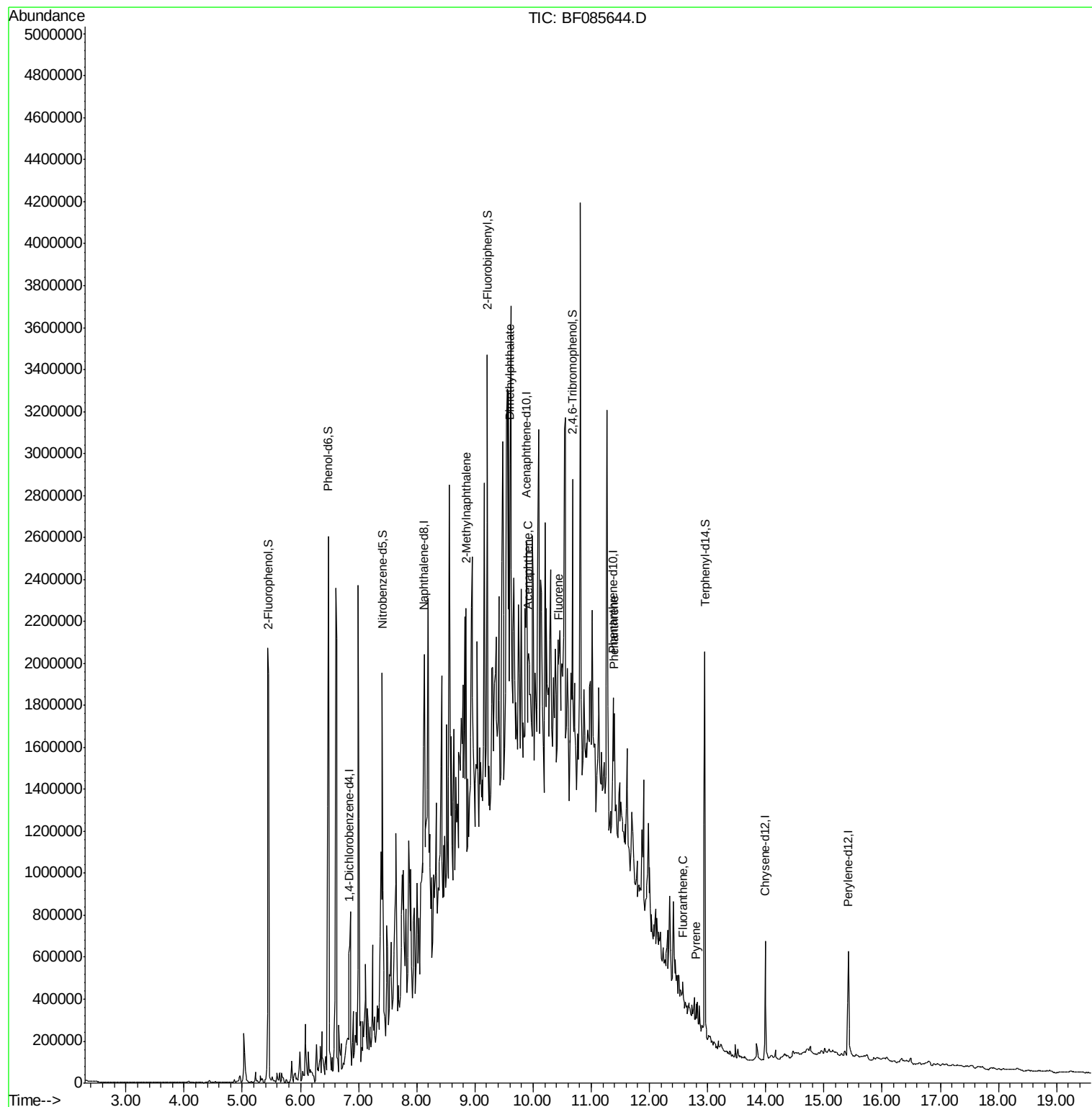
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
Data File : BF085644.D
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Sample : H1840-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

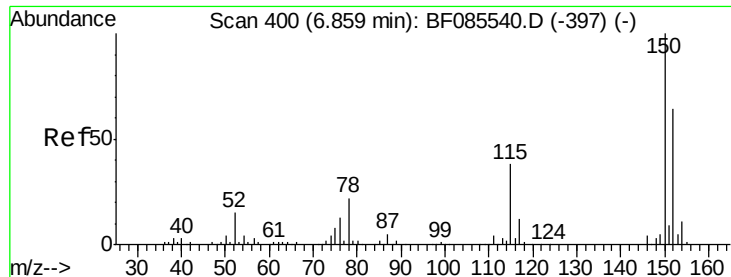
Instrument :
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PJ-SB-13-23.0-25.0

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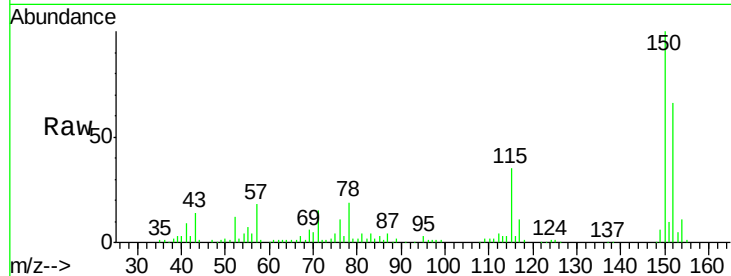




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF085644.D
Acq: 22 Mar 2016 3:54

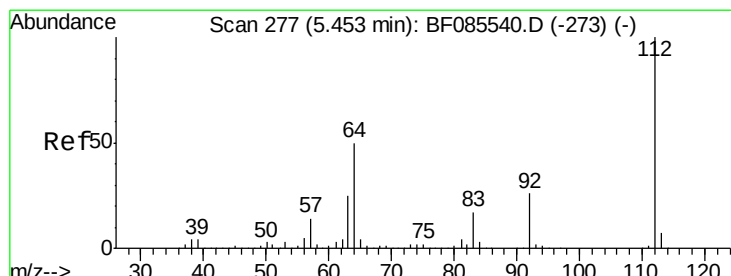
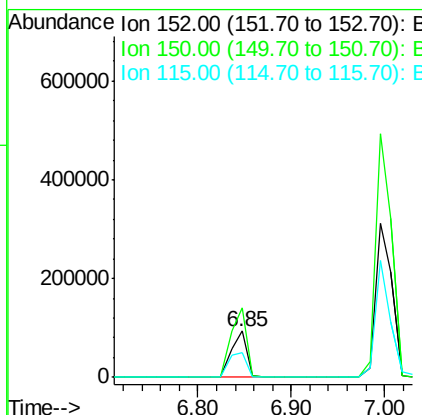
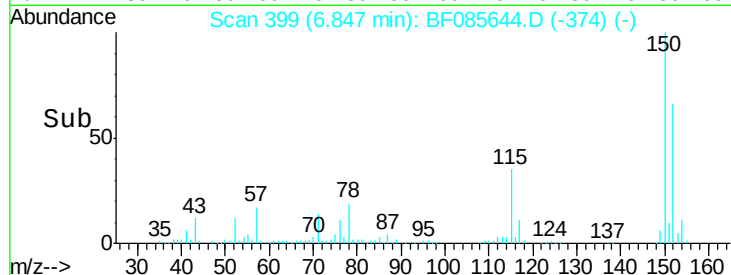
Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-23.0-25.0



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	108519		
150	150.5	124.2	186.2	
115	53.1	47.0	70.6	

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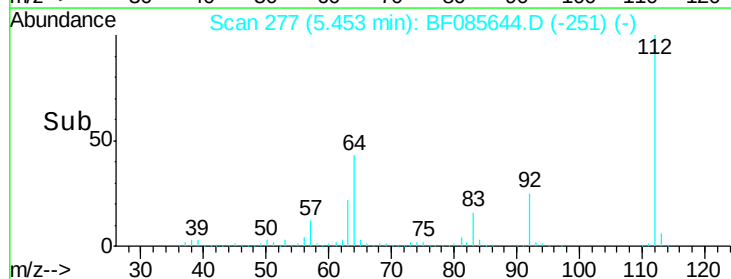
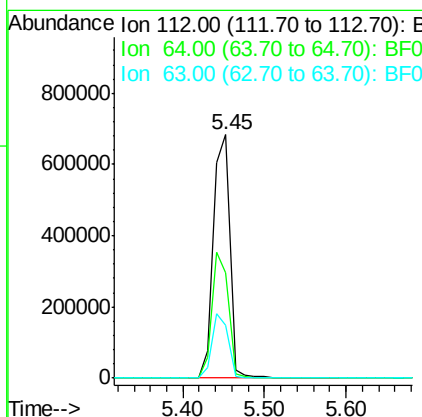
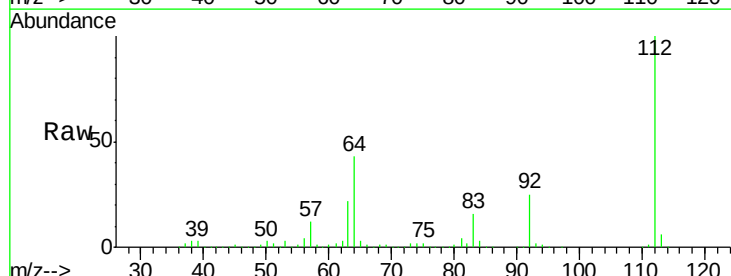
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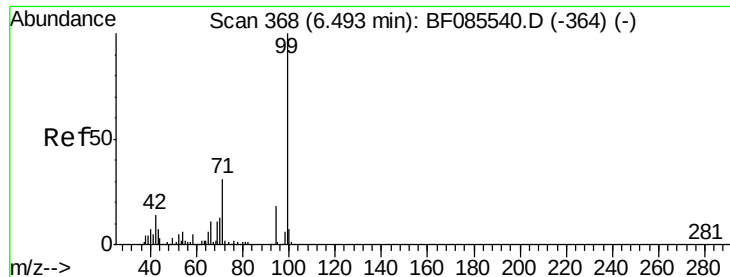


#5

2-Fluorophenol
Concen: 150.54 ng
RT: 5.45 min Scan# 277
Delta R.T. 0.00 min
Lab File: BF085644.D
Acq: 22 Mar 2016 3:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	972634		
64	43.3	39.9	59.9	
63	21.8	20.2	30.2	





#7

Phenol-d6

Concen: 131.22 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085644.D

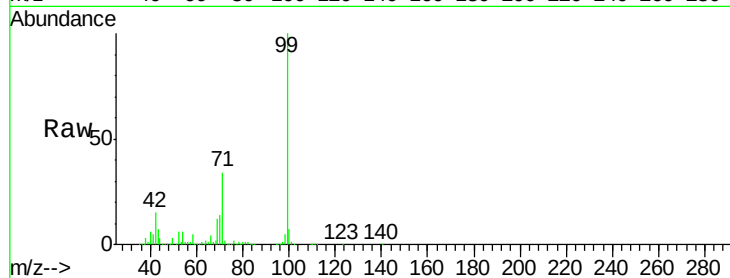
Acq: 22 Mar 2016 3:54

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-23.0-25.0



Tgt Ion: 99 Resp: 1087328

Ion Ratio Lower Upper

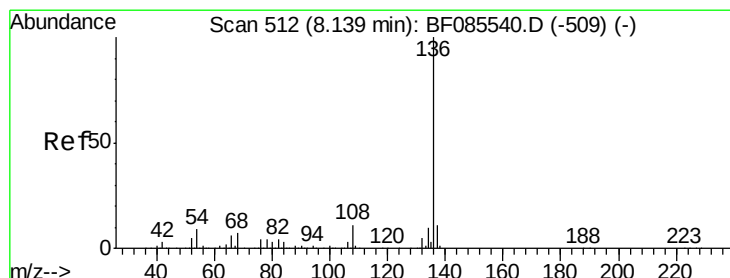
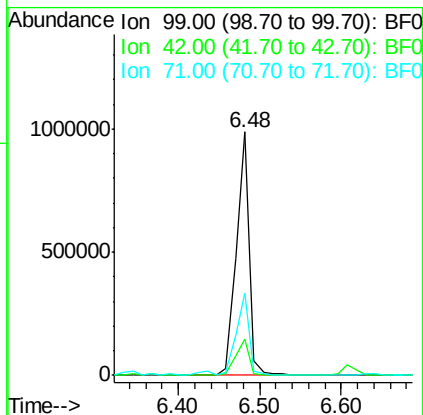
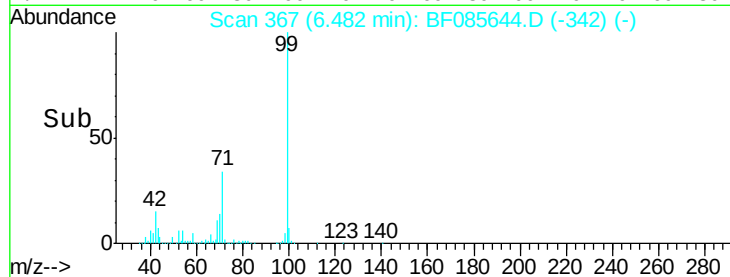
99 100

42 14.9 11.1 16.7

71 33.8 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085644.D

Acq: 22 Mar 2016 3:54

Tgt Ion: 136 Resp: 376209

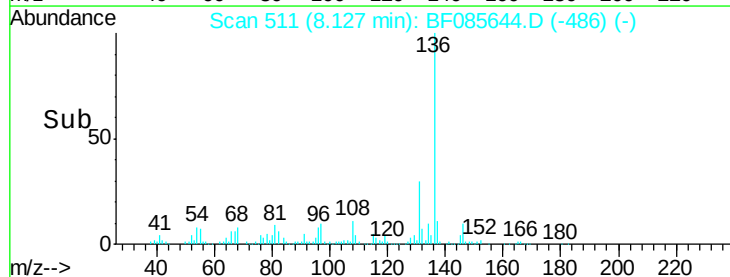
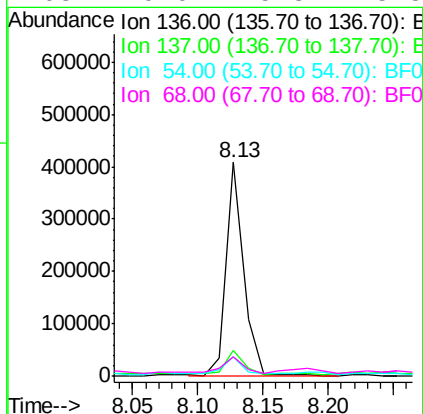
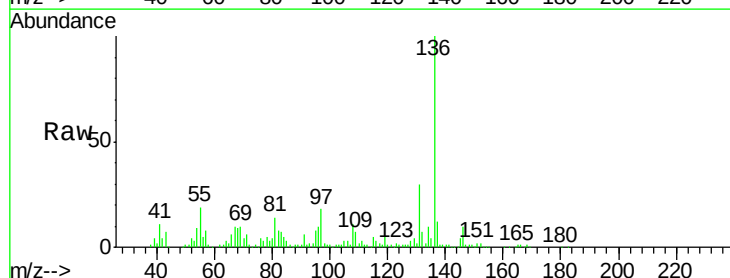
Ion Ratio Lower Upper

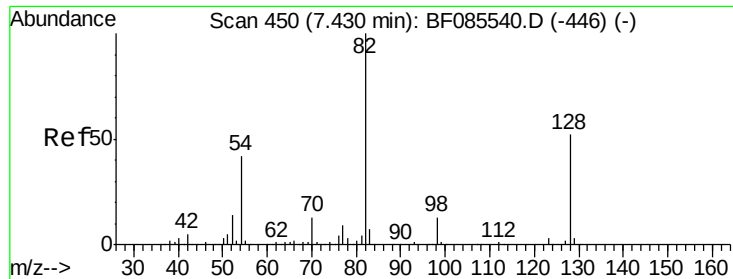
136 100

137 12.0 9.1 13.7

54 9.1 7.4 11.0

68 9.0 5.8 8.8#





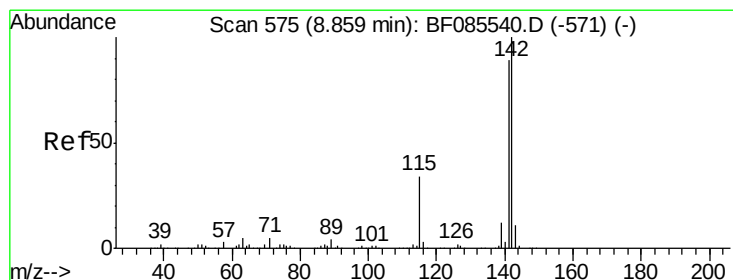
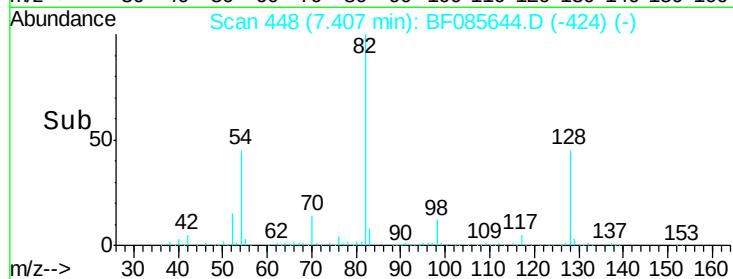
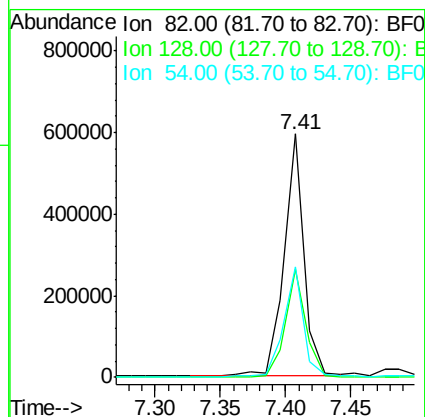
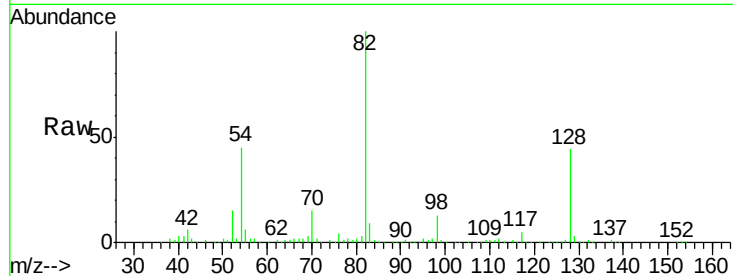
#23
Nitrobenzene-d5
Concen: 97.08 ng
RT: 7.41 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF085644.D
Acq: 22 Mar 2016 3:54

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-23.0-25.0

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	629169		
128	44.4	41.8	62.8	
54	45.3	33.4	50.0	

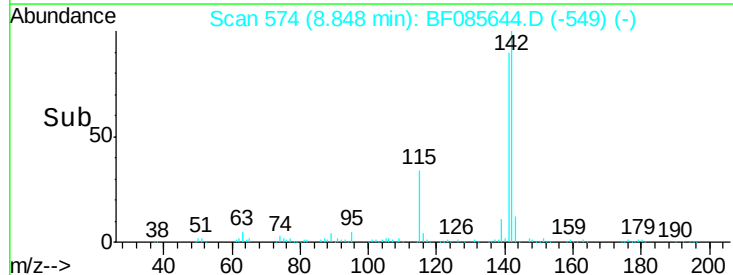
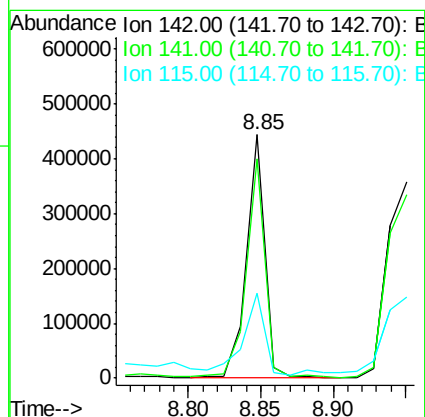
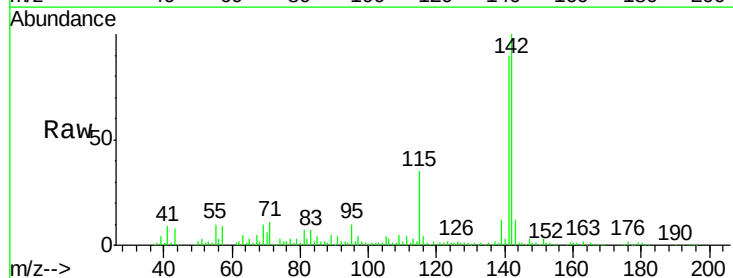
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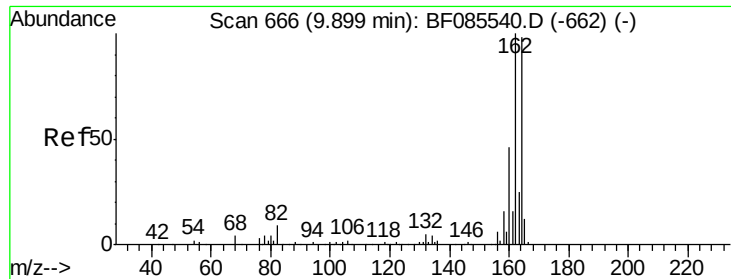
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#37
2-Methylnaphthalene
Concen: 33.36 ng
RT: 8.85 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF085644.D
Acq: 22 Mar 2016 3:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	386089		
141	90.2	71.6	107.4	
115	34.8	26.8	40.2	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085644.D

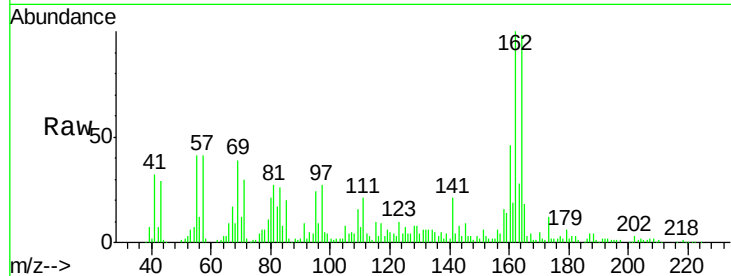
Acq: 22 Mar 2016 3:54

Instrument :

BNA_F

ClientSampleId :

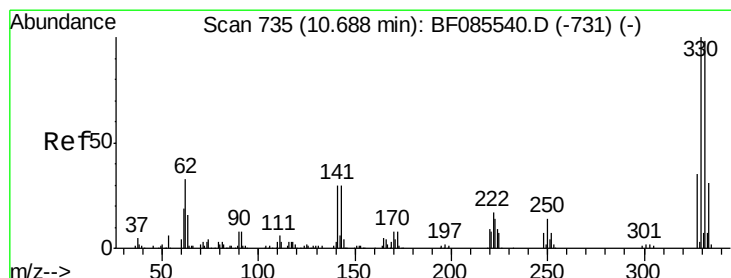
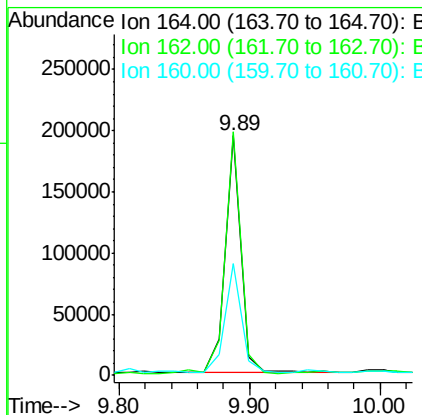
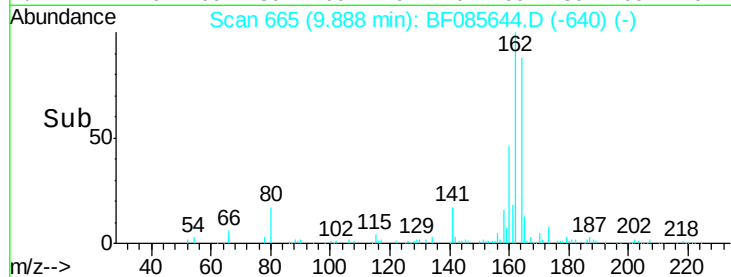
PJ-SB-13-23.0-25.0



Tgt Ion:	164	Resp:	165452
Ion Ratio	Lower	Upper	
164	100		
162	101.7	82.1	123.1
160	46.7	37.4	56.2

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 125.59 ng

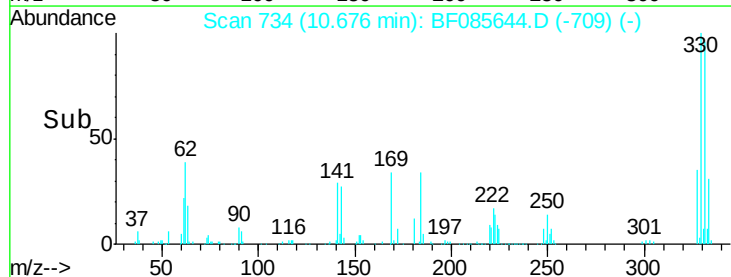
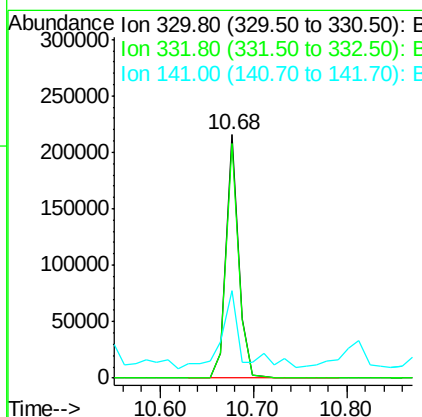
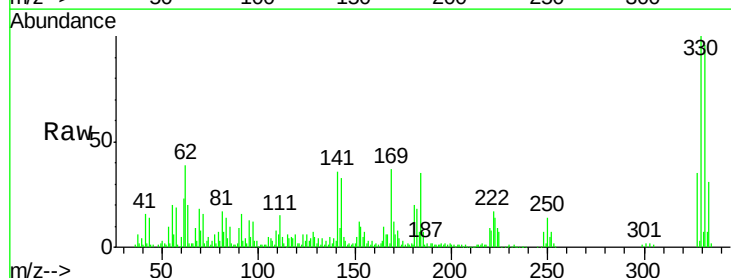
RT: 10.68 min Scan# 734

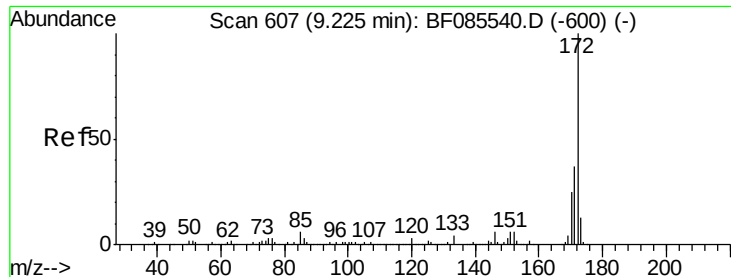
Delta R.T. -0.01 min

Lab File: BF085644.D

Acq: 22 Mar 2016 3:54

Tgt Ion:	330	Resp:	203538
Ion Ratio	Lower	Upper	
330	100		
332	96.1	78.2	117.2
141	39.7	31.5	47.3





#44

2-Fluorobiphenyl

Concen: 113.05 ng

RT: 9.21 min Scan# 606

Delta R.T. -0.01 min

Lab File: BF085644.D

Acq: 22 Mar 2016 3:54

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-23.0-25.0

Tgt Ion:172 Resp: 1006964

Ion Ratio Lower Upper

172 100

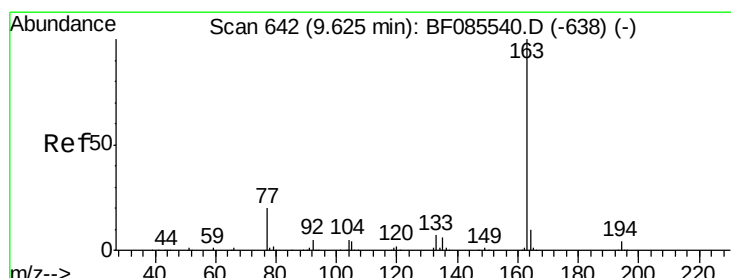
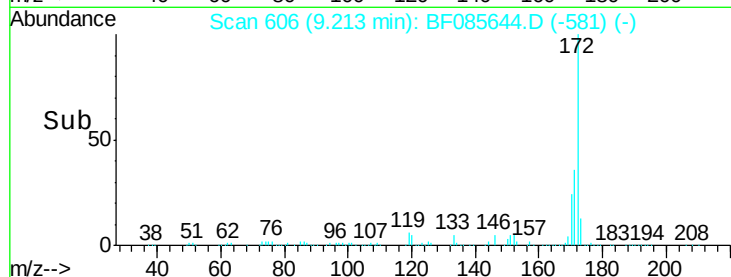
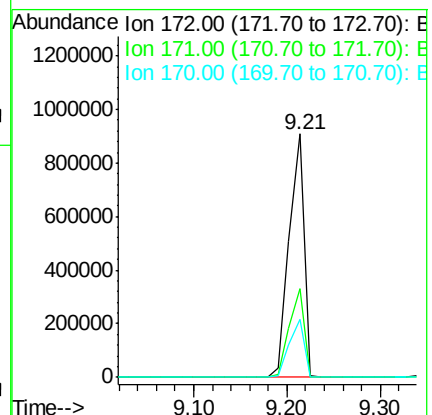
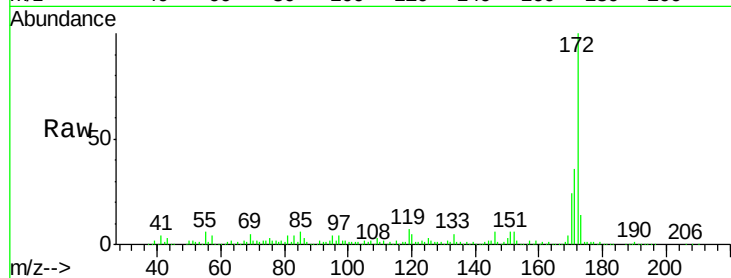
171 36.3 29.4 44.2

170 23.9 19.8 29.6

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#49

Dimethylphthalate

Concen: 14.33 ng

RT: 9.60 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF085644.D

Acq: 22 Mar 2016 3:54

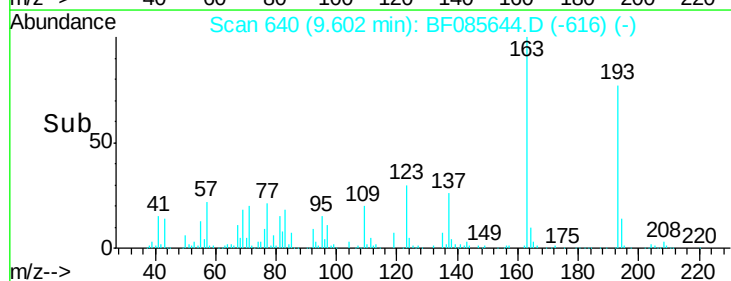
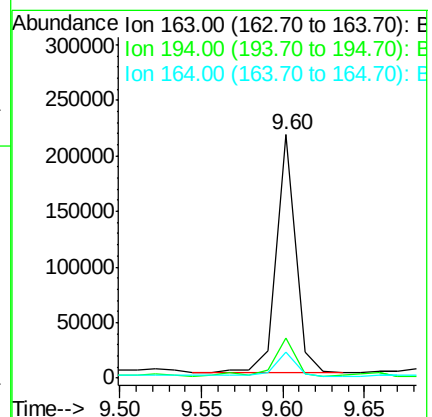
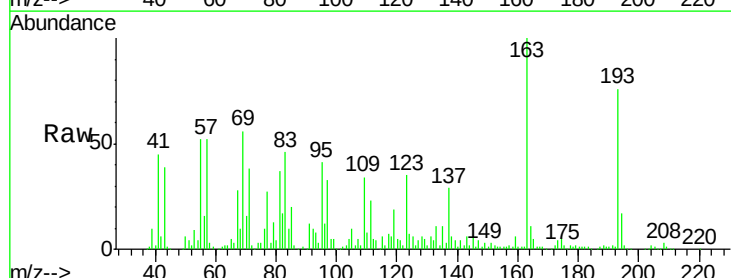
Tgt Ion:163 Resp: 178876

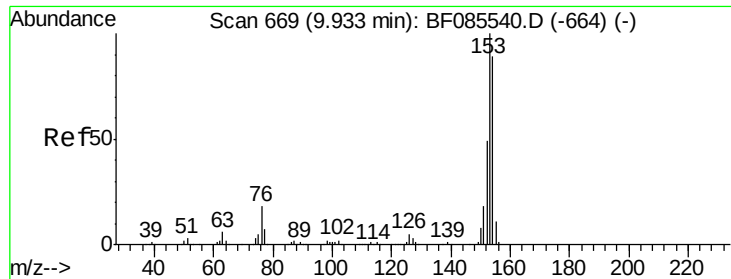
Ion Ratio Lower Upper

163 100

194 16.6 2.9 4.3#

164 10.8 8.3 12.5





#51

Acenaphthene

Concen: 4.83 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF085644.D

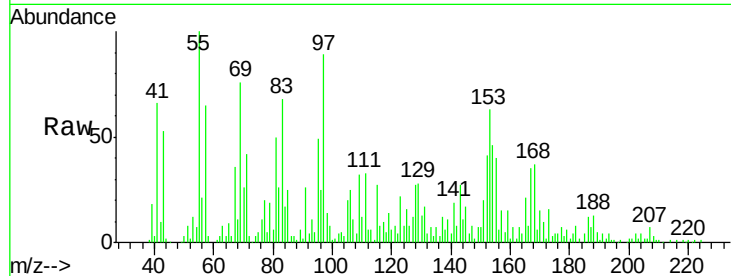
Acq: 22 Mar 2016 3:54

Instrument :

BNA_F

ClientSampleId :

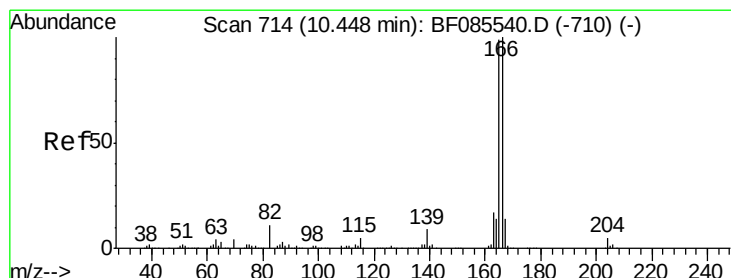
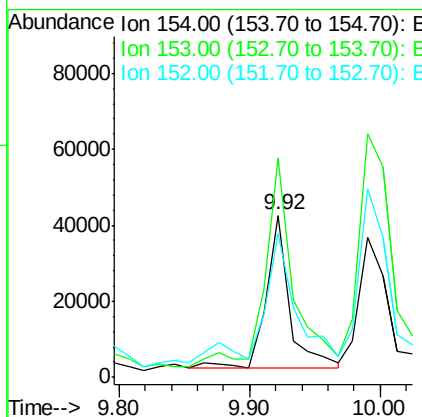
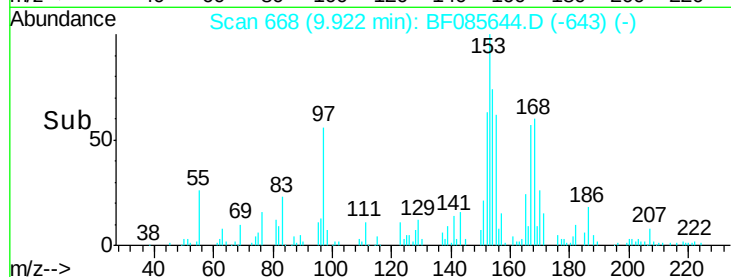
PJ-SB-13-23.0-25.0



Tgt Ion:	154	Resp:	51185
Ion Ratio	Lower	Upper	
154	100		
153	135.5	90.1	135.1#
152	88.5	44.2	66.2#

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#57

Fluorene

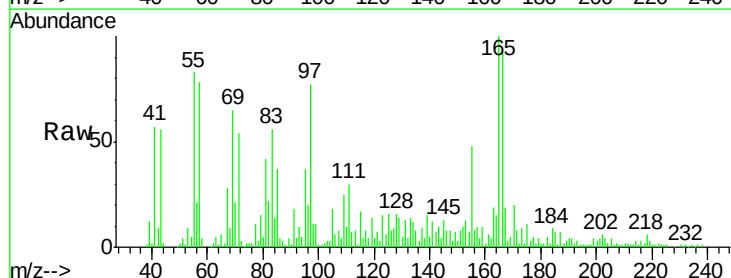
Concen: 8.68 ng

RT: 10.44 min Scan# 713

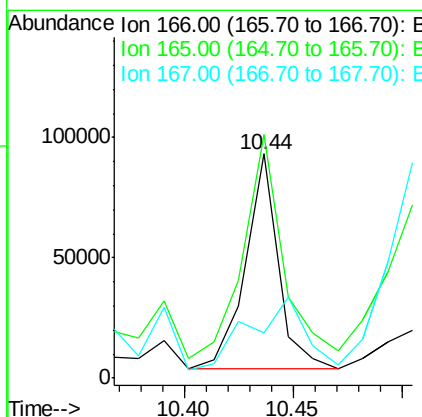
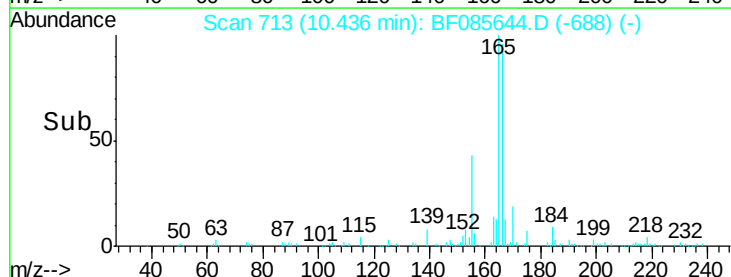
Delta R.T. -0.01 min

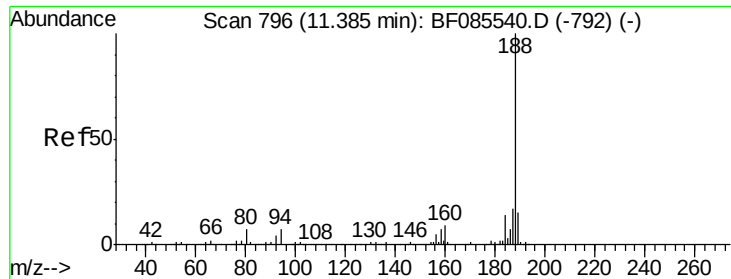
Lab File: BF085644.D

Acq: 22 Mar 2016 3:54



Tgt Ion:	166	Resp:	93240
Ion Ratio	Lower	Upper	
166	100		
165	108.5	79.4	119.0
167	20.2	11.0	16.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF085644.D

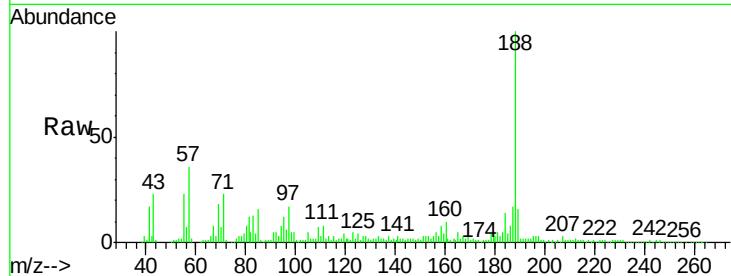
Acq: 22 Mar 2016 3:54

Instrument :

BNA_F

ClientSampleId :

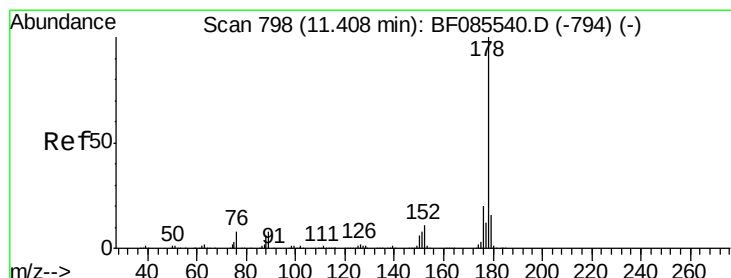
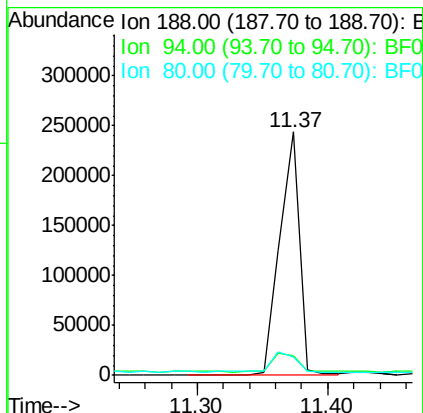
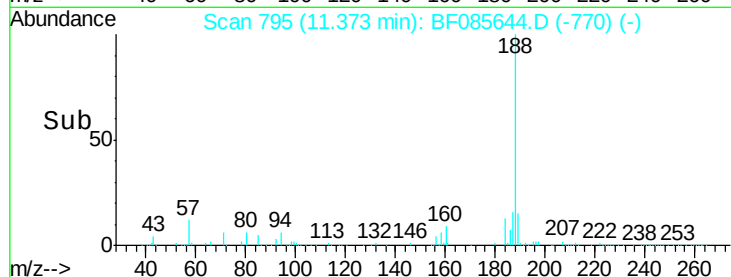
PJ-SB-13-23.0-25.0



Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	5.4	8.0
80	7.8	5.5	8.3

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#70

Phenanthrene

Concen: 20.12 ng

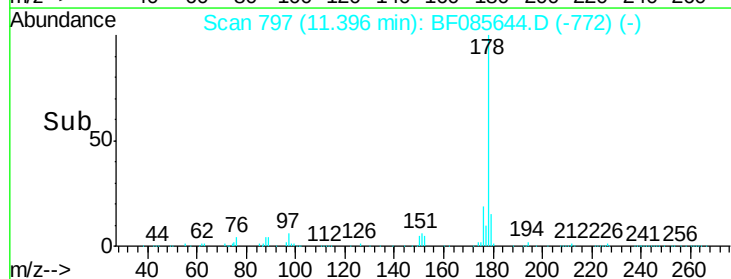
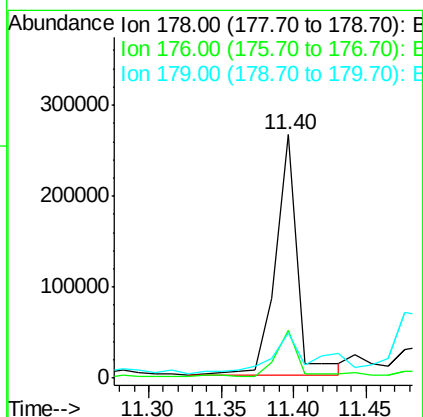
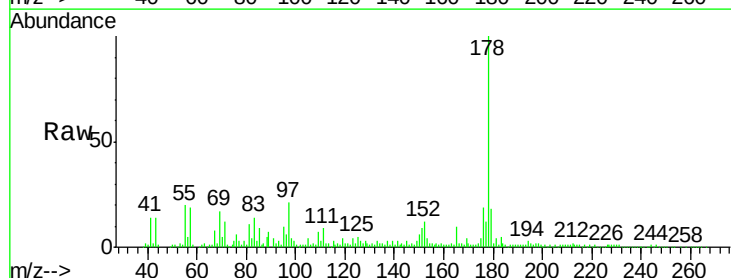
RT: 11.40 min Scan# 797

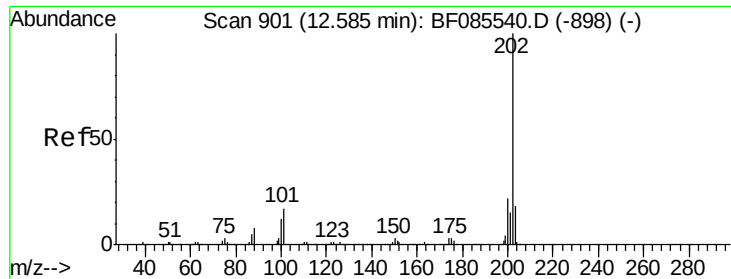
Delta R.T. -0.01 min

Lab File: BF085644.D

Acq: 22 Mar 2016 3:54

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.3	24.5
179	18.4	12.6	18.8





#74

Fluoranthene

Concen: 2.55 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085644.D

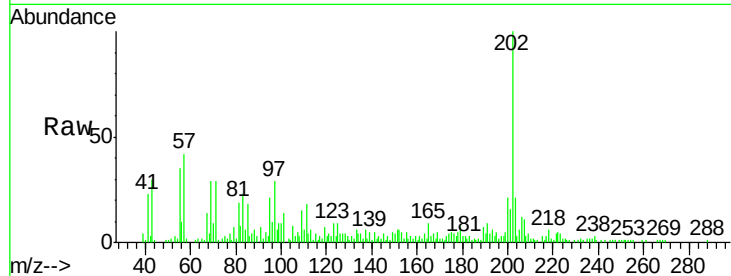
Acq: 22 Mar 2016 3:54

Instrument :

BNA_F

ClientSampleId :

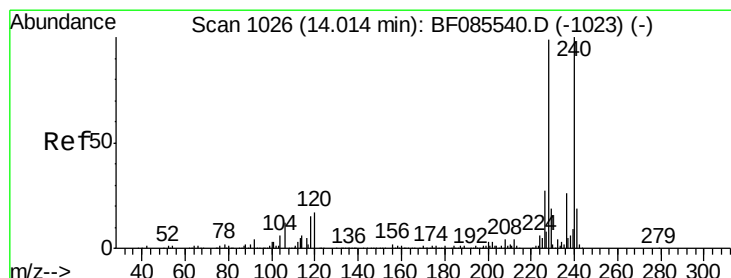
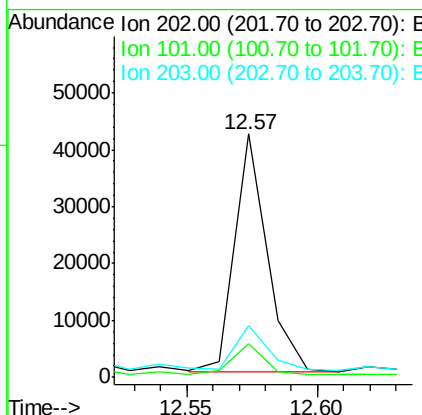
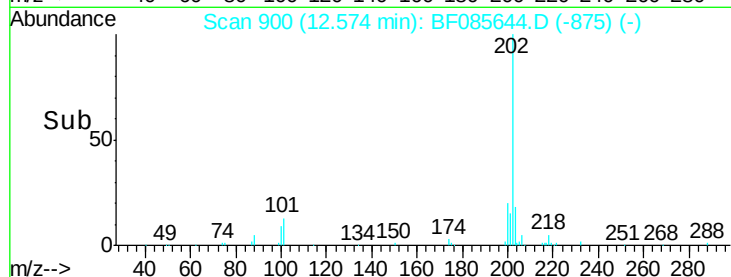
PJ-SB-13-23.0-25.0



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	36396		
101	14.1	0.0	36.6	
203	21.0	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

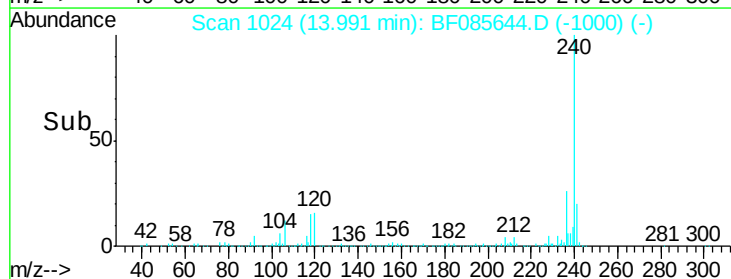
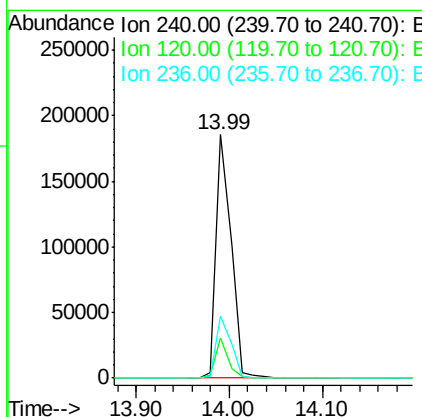
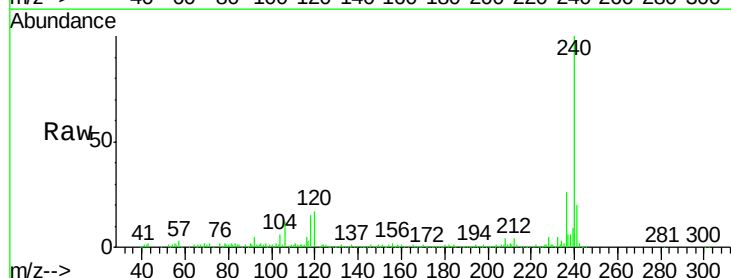
RT: 13.99 min Scan# 1024

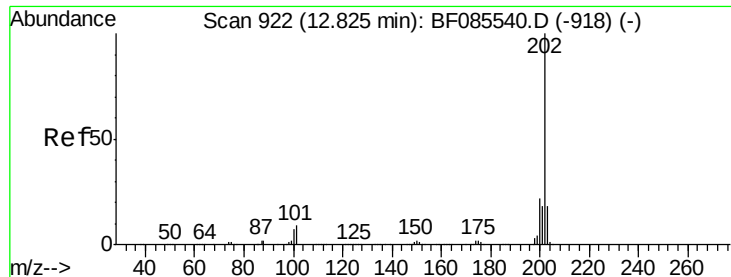
Delta R.T. -0.02 min

Lab File: BF085644.D

Acq: 22 Mar 2016 3:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	206762		
120	16.7	13.8	20.8	
236	25.6	20.6	30.8	





#77

Pyrene

Concen: 3.36 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF085644.D

Acq: 22 Mar 2016 3:54

Instrument :

BNA_F

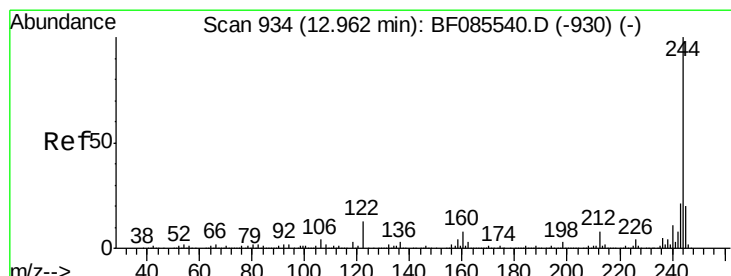
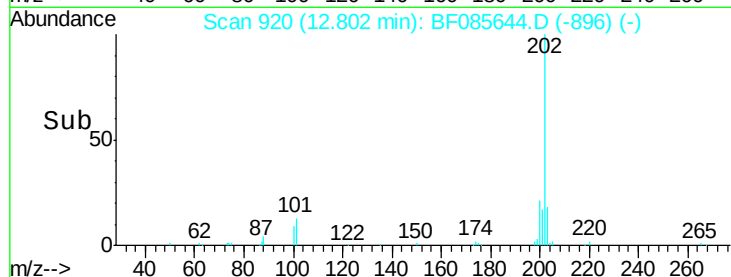
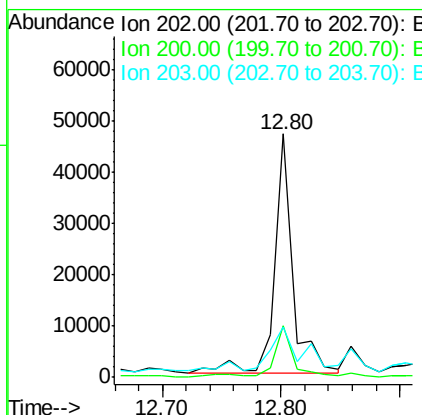
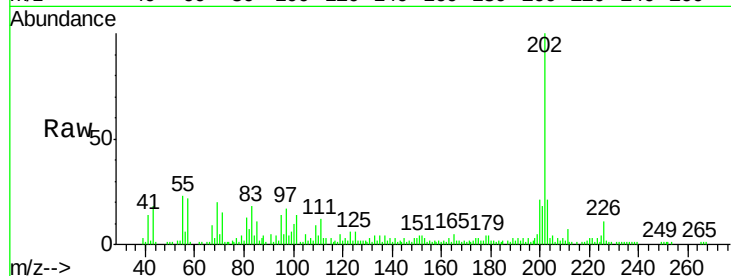
ClientSampleId :

PJ-SB-13-23.0-25.0

Tgt Ion:	202	Resp:	49938
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	20.8	14.0	21.0

Manual Integrations
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#78

Terphenyl-d14

Concen: 79.62 ng

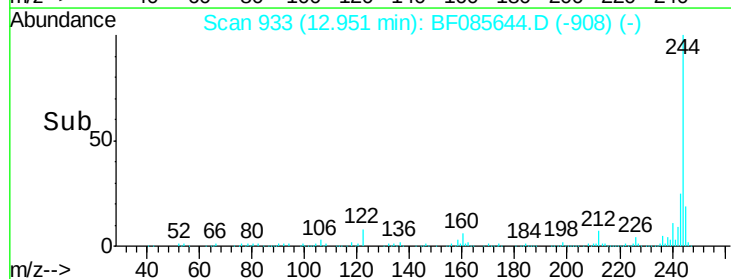
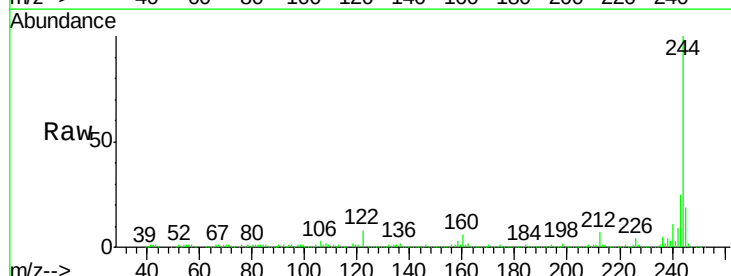
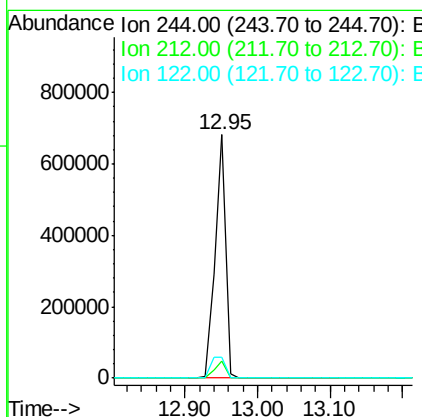
RT: 12.95 min Scan# 933

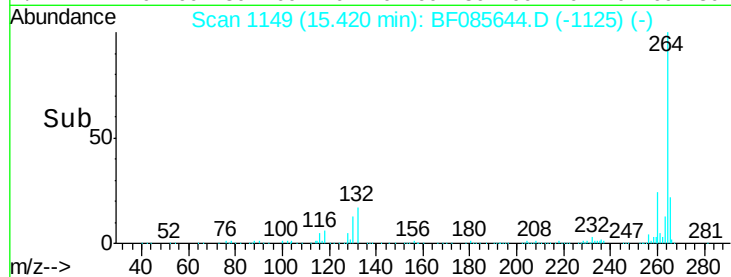
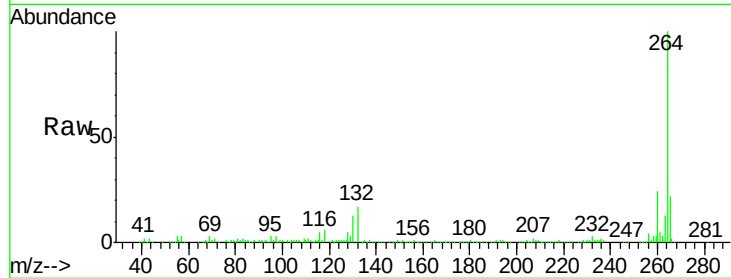
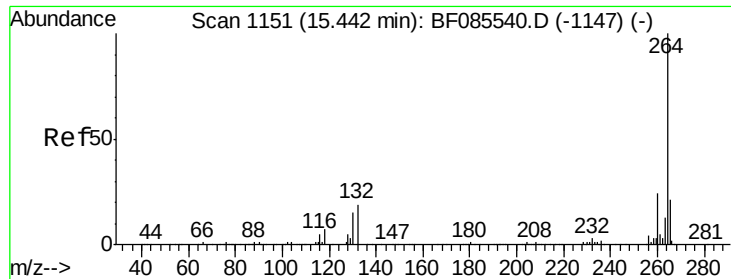
Delta R.T. -0.01 min

Lab File: BF085644.D

Acq: 22 Mar 2016 3:54

Tgt Ion:	244	Resp:	684135
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.1	9.1
122	8.5	10.2	15.4#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085644.D
Acq: 22 Mar 2016 3:54

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-23.0-25.0

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.0	19.4	29.2
265	22.1	17.2	25.8

Manual Integrations
APPROVED

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