

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
 Data File : BF084228.D
 Acq On : 1 Jan 2016 6:39
 Operator : UM/SJ
 Sample : G4960-05 50X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-300(16.0-16.5)

Manual Integrations
 APPROVED

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 1/4/2016 4:29:54 PM

Quant Time: Jan 02 04:49:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	248845m	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	942552	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	401012	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	662669	20.00	ng	0.01
75) Chrysene-d12	14.07	240	527844	20.00	ng	0.00
86) Perylene-d12	15.51	264	530597	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	58493	3.80	ng	0.01
7) Phenol-d6	6.53	99	80320	4.16	ng	0.00
23) Nitrobenzene-d5	7.46	82	94767	5.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	10808	2.67	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	77933	-3.14	ng	0.00
78) Terphenyl-d14	13.01	244	55264	2.34	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.91	142	616489	20.08	ng	Qvalue 97
51) Acenaphthene	9.98	154	118029	4.76	ng	# 77
57) Fluorene	10.50	166	212708	6.52	ng	# 94
70) Phenanthrene	11.46	178	597858	17.25	ng	# 95

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

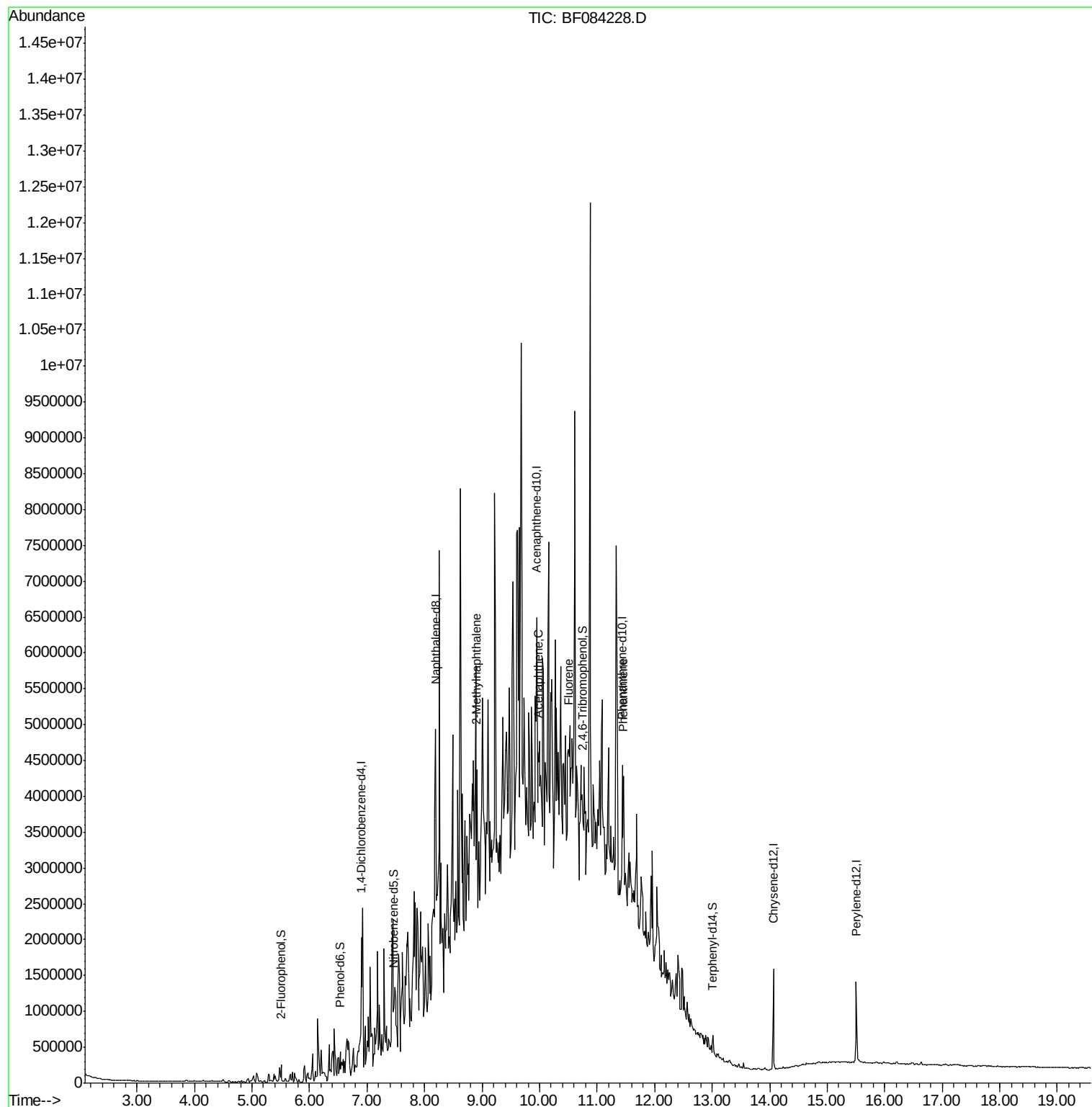
Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
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Sample : G4960-05 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

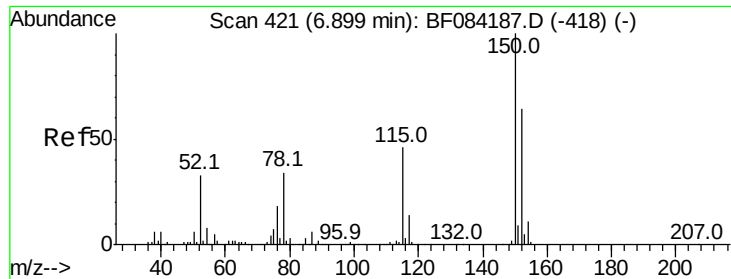
Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 14:15:57 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084228.D

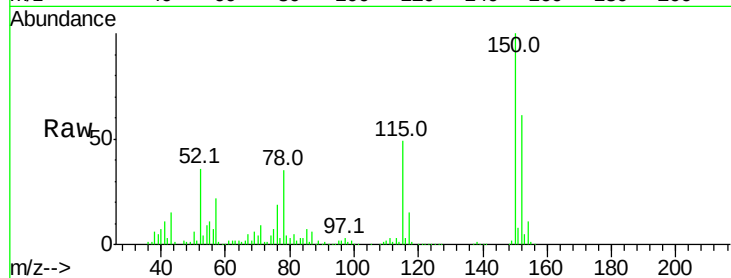
Acq: 1 Jan 2016 6:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)



Tot Ion:152 Resp: 248845

Ion Ratio Lower Upper

152 100

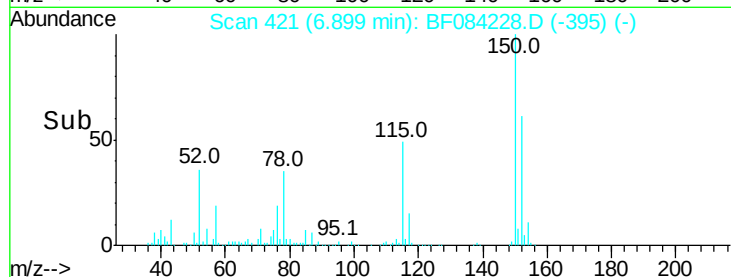
150 163.4 123.0 184.4

115 79.6 51.4 77.2#

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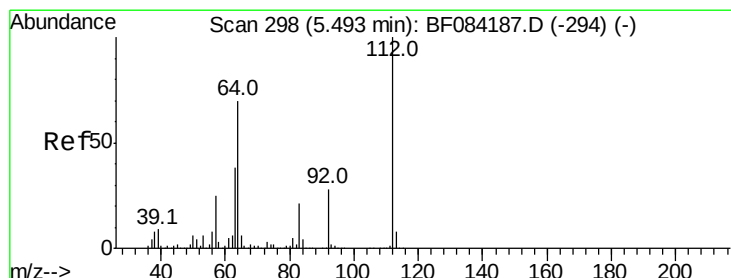
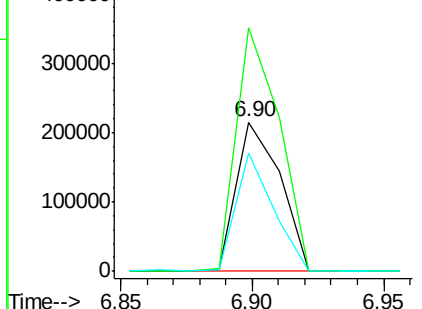
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 3.80 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084228.D

Acq: 1 Jan 2016 6:39

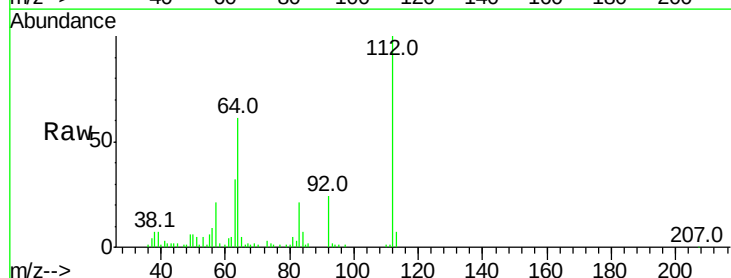
Tgt Ion:112 Resp: 58493

Ion Ratio Lower Upper

112 100

64 61.3 36.6 55.0#

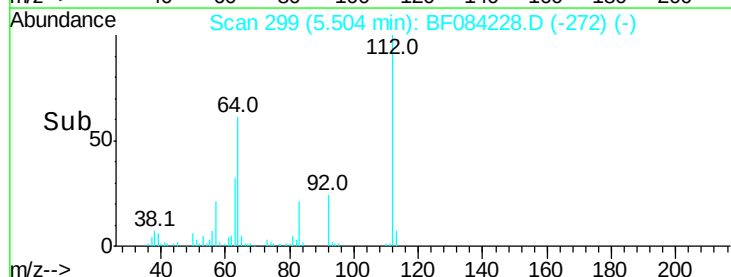
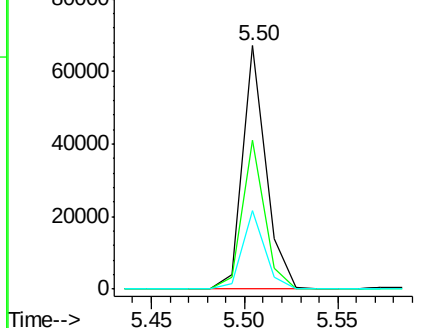
63 32.2 19.4 29.0#

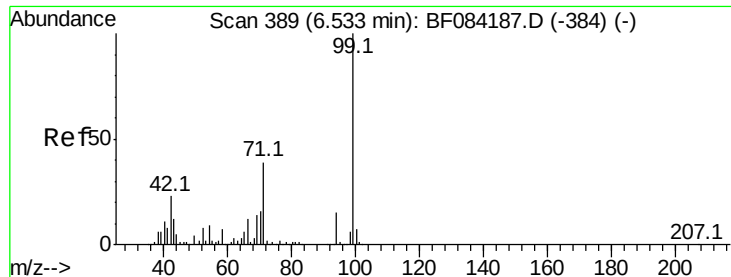


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.16 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084228.D

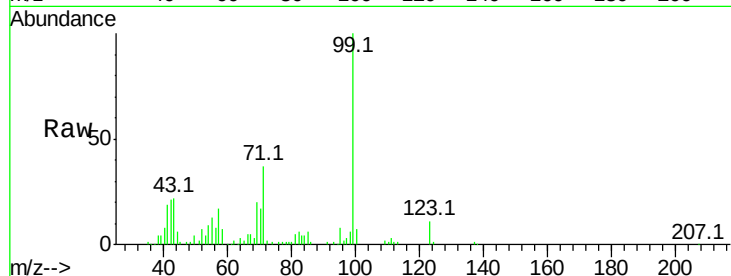
Acq: 1 Jan 2016 6:39

Instrument :

BNA_F

ClientSampleId :

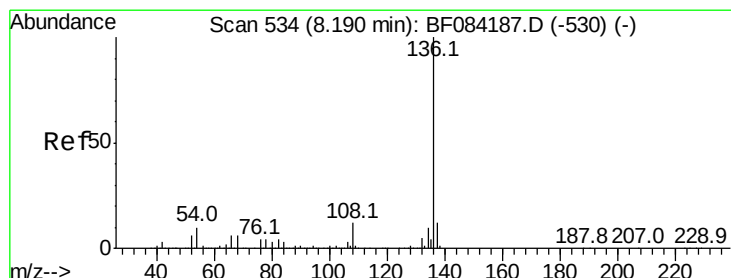
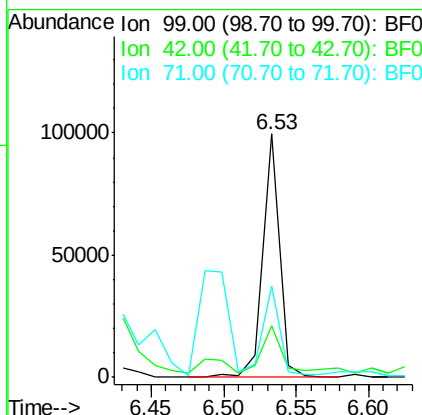
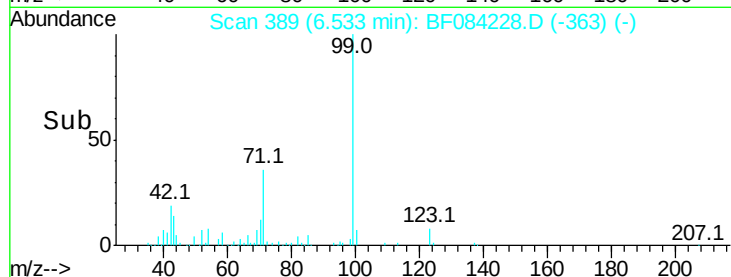
PJ-SB-300(16.0-16.5)



Tot Ion	99	Resp	80320
Ion Ratio	Lower	Upper	
99	100		
42	21.3	12.8	19.2#
71	37.4	30.9	46.3

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

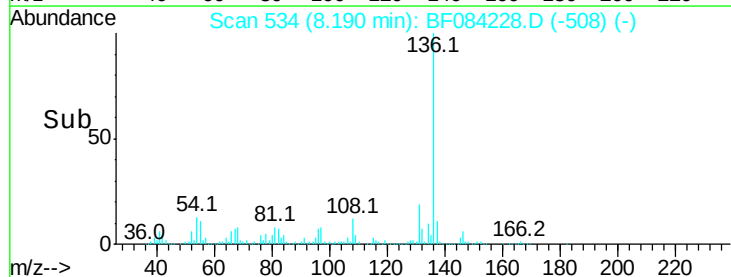
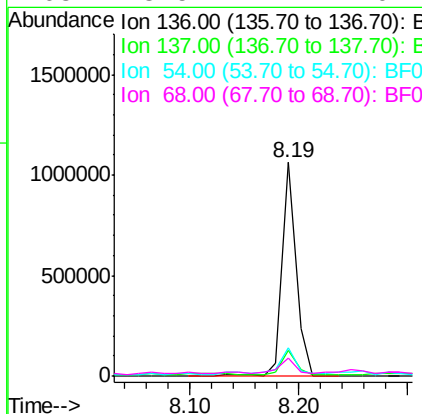
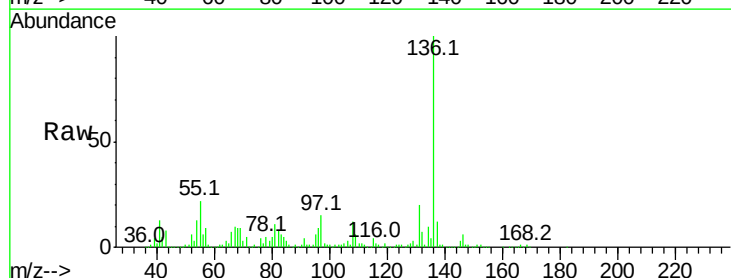
RT: 8.19 min Scan# 534

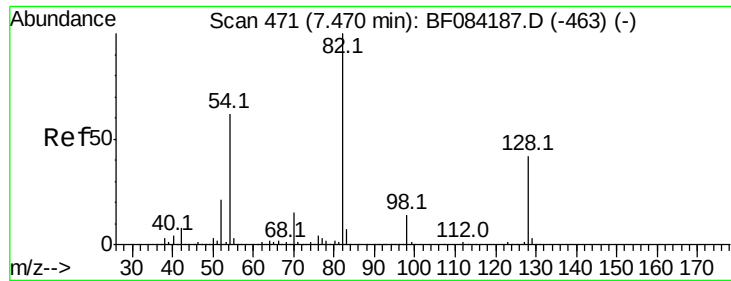
Delta R.T. 0.00 min

Lab File: BF084228.D

Acq: 1 Jan 2016 6:39

Tgt Ion	136	Resp	942552
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.7	13.1
54	13.2	5.8	8.8#
68	8.5	4.2	6.2#





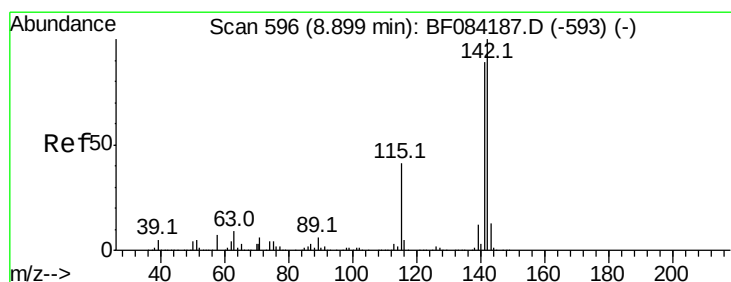
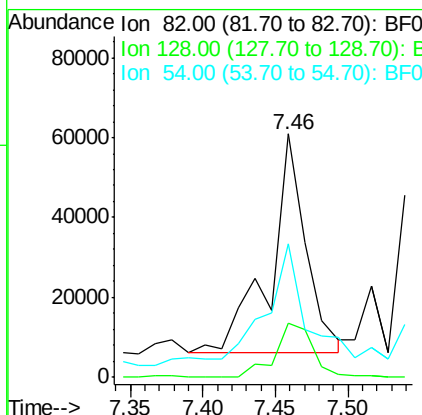
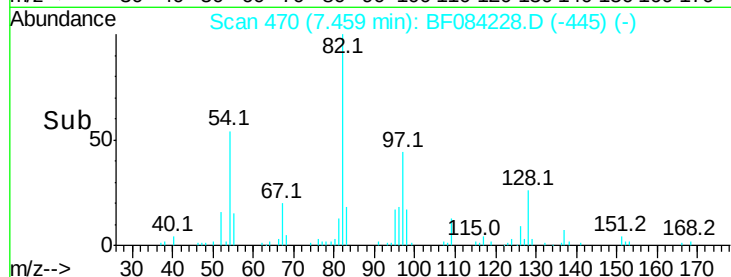
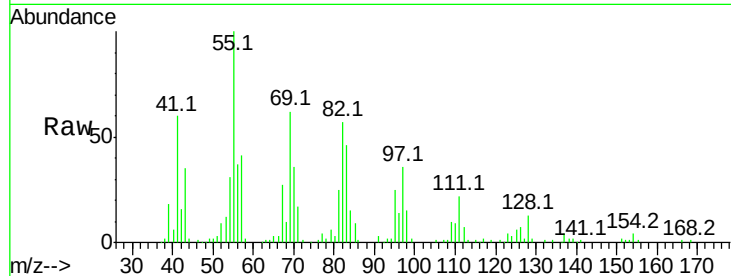
#23
 Nitrobenzene-d5
 Concen: 5.60 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084228.D
 Acq: 1 Jan 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-300(16.0-16.5)

Tot Ion:	82	Resp:	94767
Ion Ratio	Lower	Upper	
82	100		
128	22.3	34.6	51.8#
54	54.7	38.4	57.6

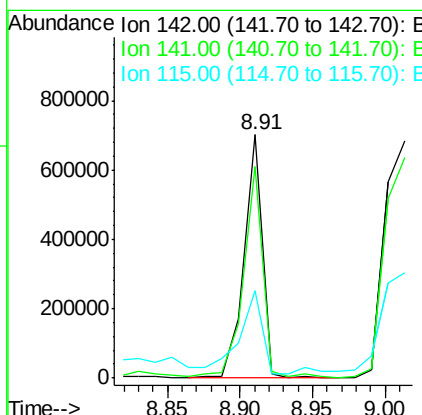
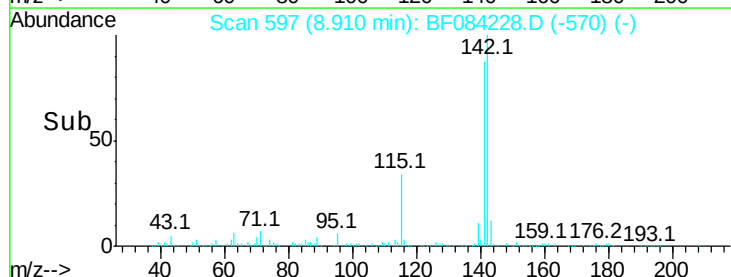
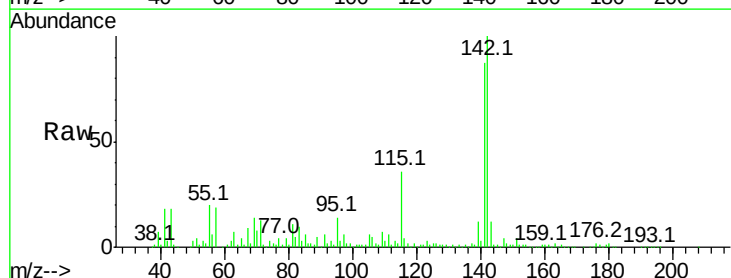
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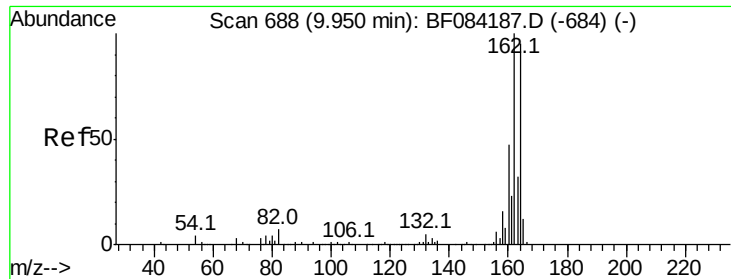
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#37
 2-Methylnaphthalene
 Concen: 20.08 ng
 RT: 8.91 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF084228.D
 Acq: 1 Jan 2016 6:39

Tgt Ion:	142	Resp:	616489
Ion Ratio	Lower	Upper	
142	100		
141	87.1	72.4	108.6
115	35.8	27.9	41.9





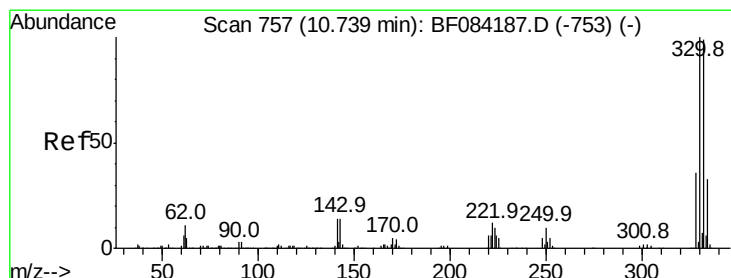
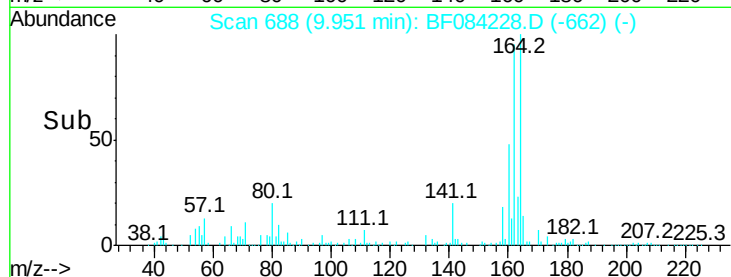
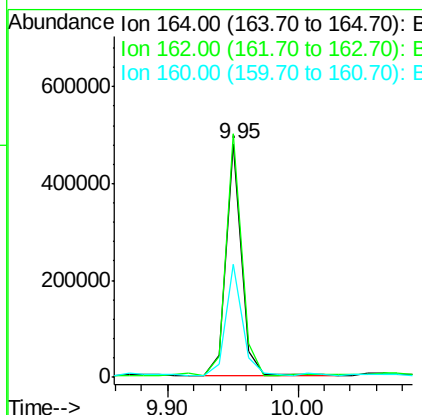
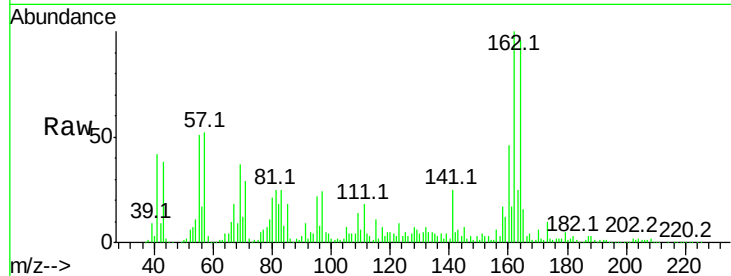
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF084228.D
Acq: 1 Jan 2016 6:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	85.1	127.7
160	48.4	37.5	56.3

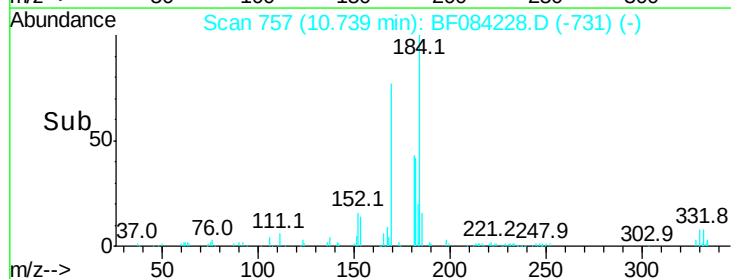
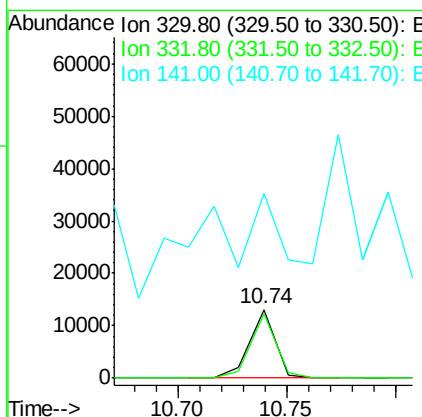
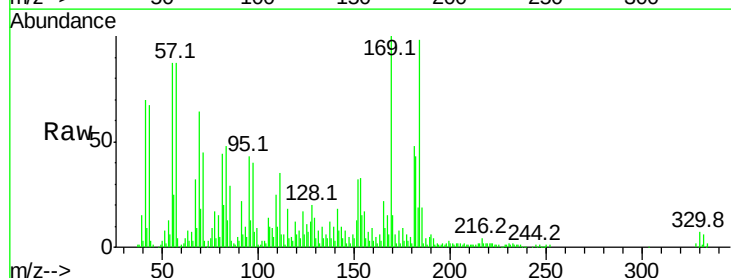
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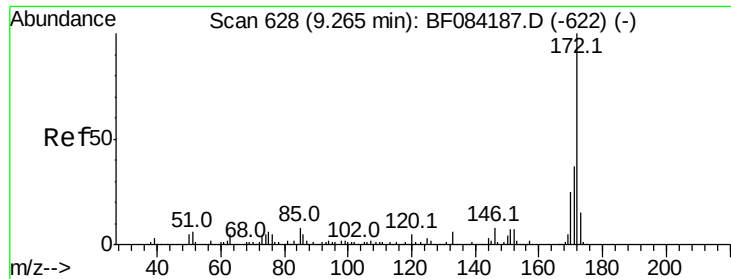
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#41
2,4,6-Tribromophenol
Concen: 2.67 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF084228.D
Acq: 1 Jan 2016 6:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.1	76.6	114.8
141	0.0	27.8	41.6#





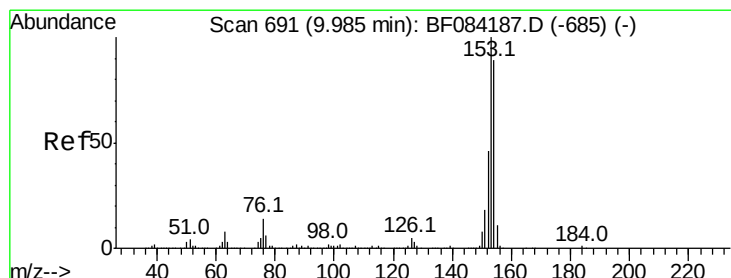
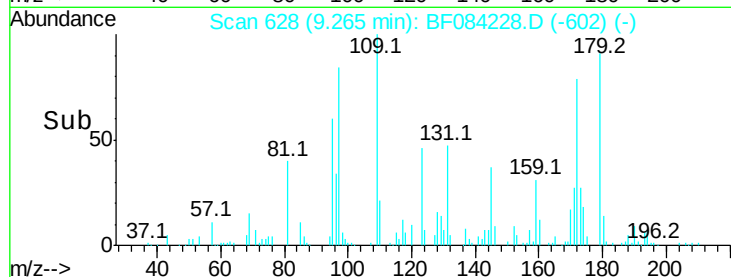
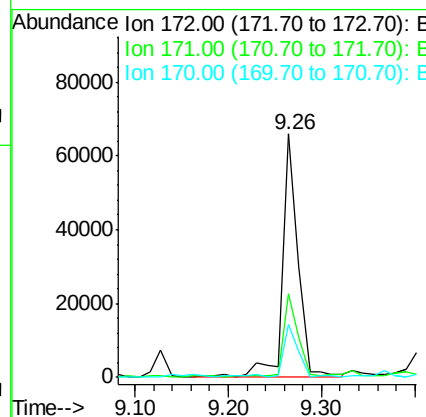
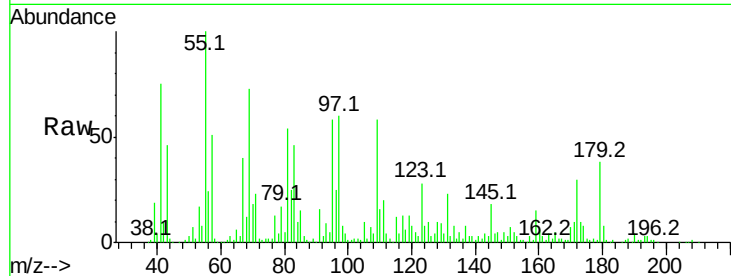
#44
2-Fluorobiphenyl
Concen: -3.14 ng
RT: 9.26 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF084228.D
Acq: 1 Jan 2016 6:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.9	43.3
170	21.6	18.6	27.8

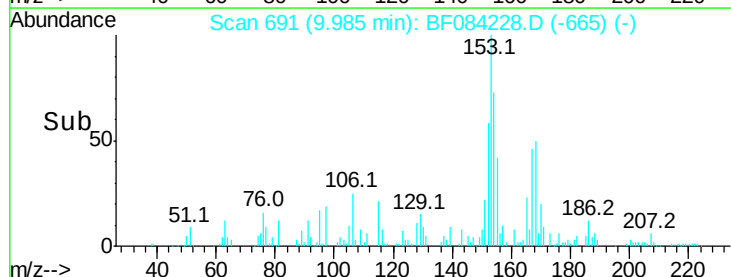
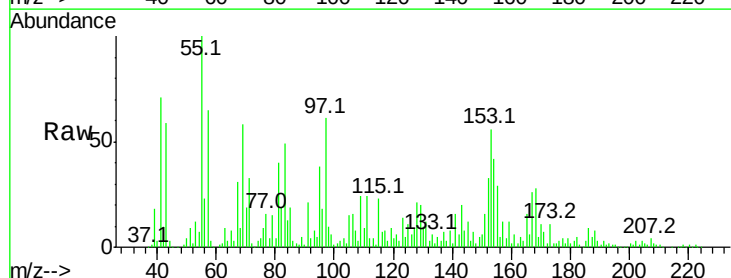
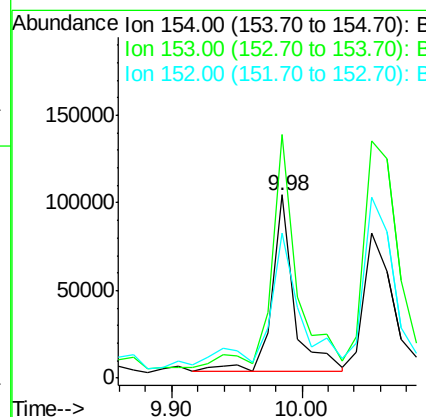
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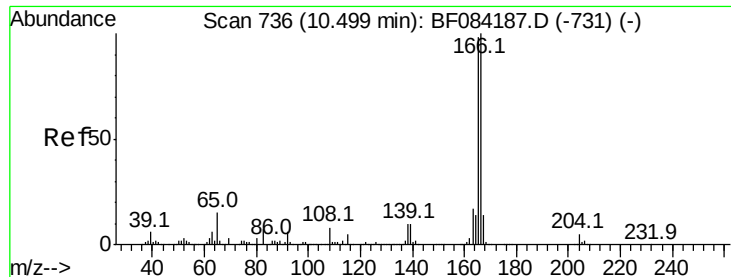
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#51
Acenaphthene
Concen: 4.76 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF084228.D
Acq: 1 Jan 2016 6:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	133.0	91.5	137.3
152	79.1	43.0	64.6





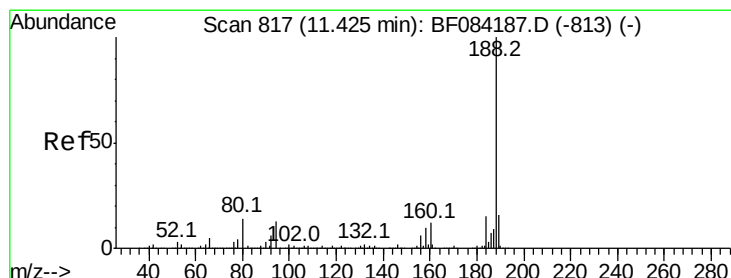
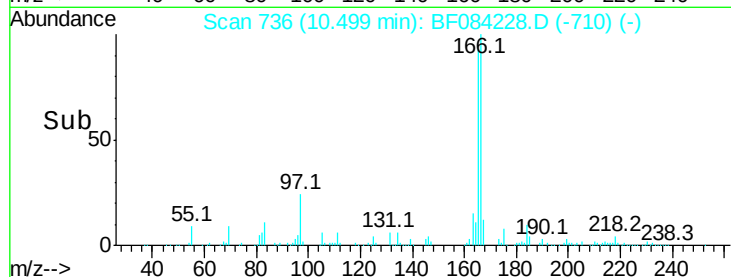
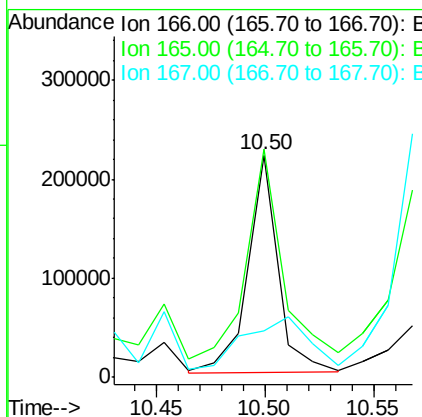
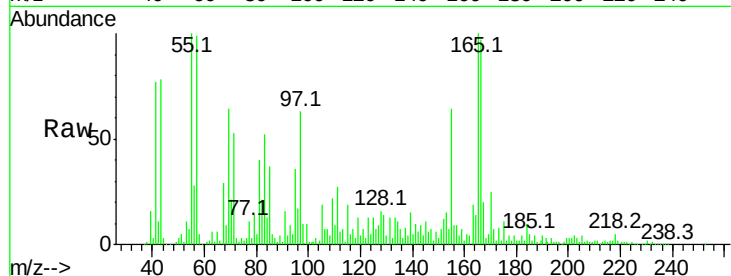
#57
Fluorene
 Concen: 6.52 ng
 RT: 10.50 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BF084228.D
 Acq: 1 Jan 2016 6:39

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-300(16.0-16.5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.1	118.7
167	20.7	10.4	15.6#

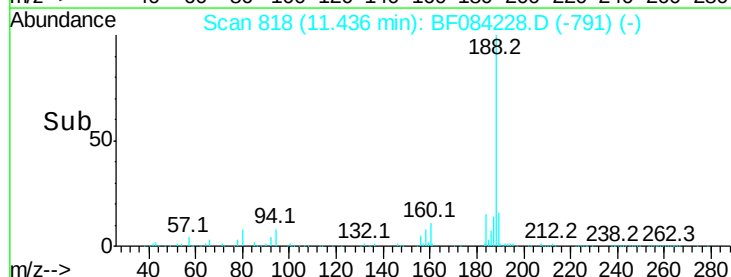
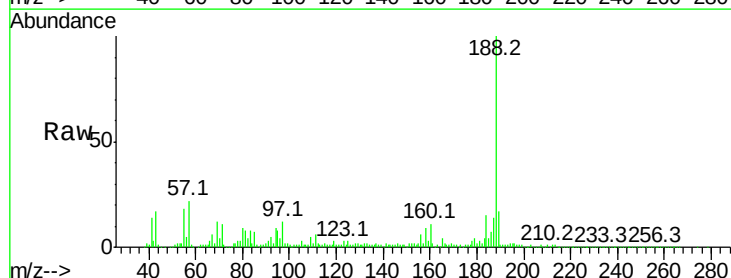
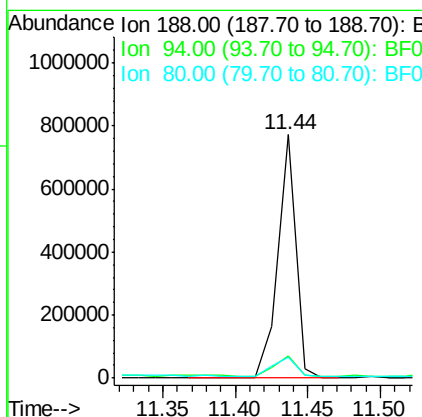
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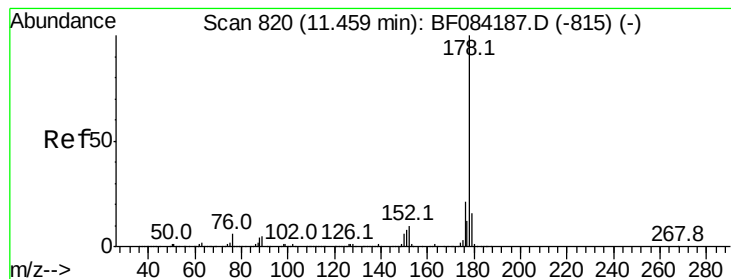
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 818
 Delta R.T. 0.01 min
 Lab File: BF084228.D
 Acq: 1 Jan 2016 6:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.0	13.4#
80	8.6	9.6	14.4#





#70

Phenanthrene

Concen: 17.25 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF084228.D

Acq: 1 Jan 2016 6:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-300(16.0-16.5)

Tot Ion:178 Resp: 597858

Ion Ratio Lower Upper

178 100

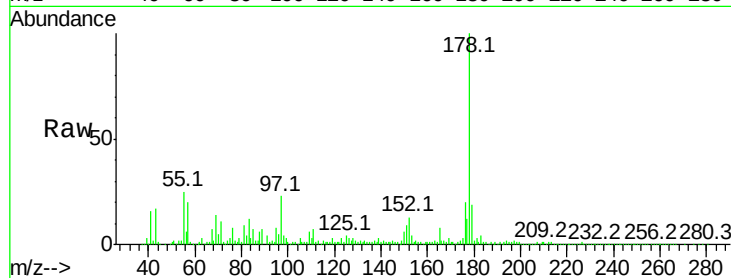
176 19.8 15.3 22.9

179 18.5 12.0 18.0#

Manual Integrations
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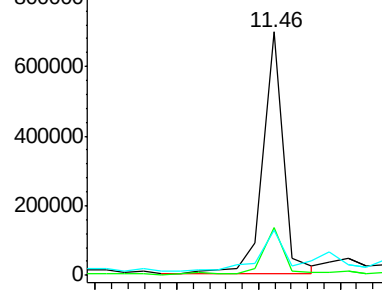
1/4/2016 4:29:54 PM



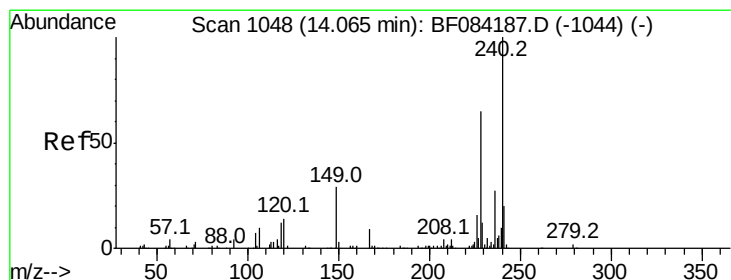
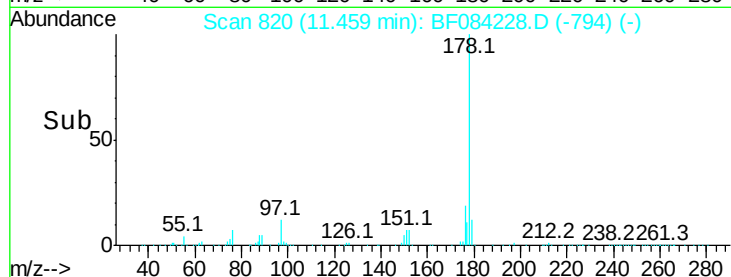
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.35 11.40 11.45 11.50



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084228.D

Acq: 1 Jan 2016 6:39

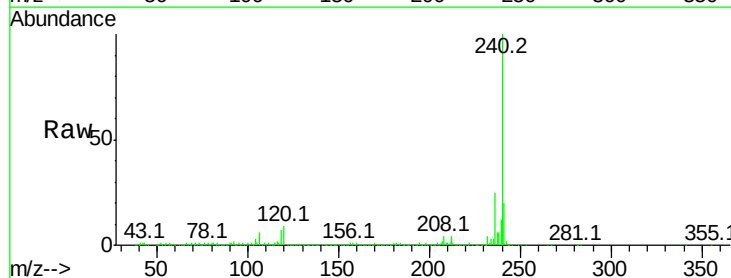
Tgt Ion:240 Resp: 527844

Ion Ratio Lower Upper

240 100

120 8.7 9.5 14.3#

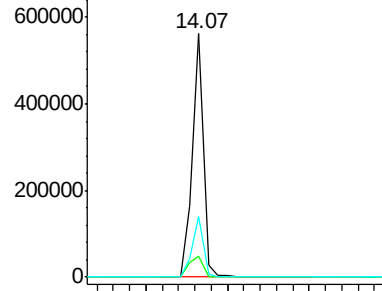
236 25.1 20.6 31.0



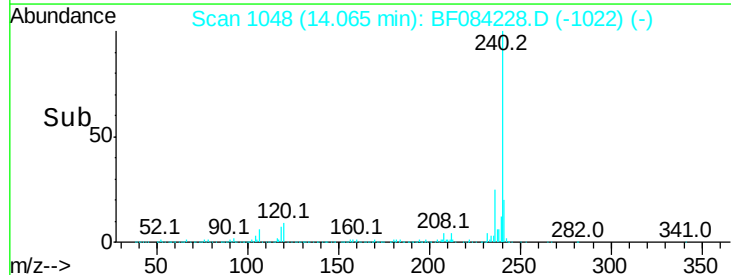
Abundance Ion 240.00 (239.70 to 240.70): E

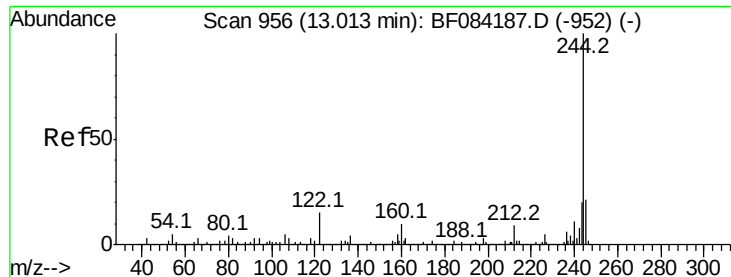
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 14.00 14.10 14.20





#78

Terphenyl-d14

Concen: 2.34 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084228.D

Acq: 1 Jan 2016 6:39

Instrument :

BNA_F

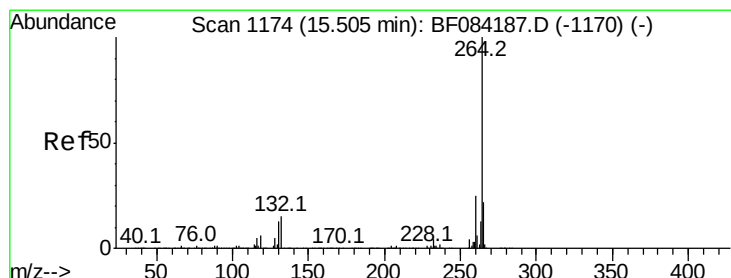
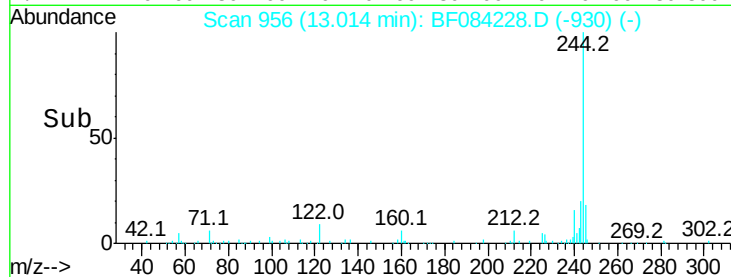
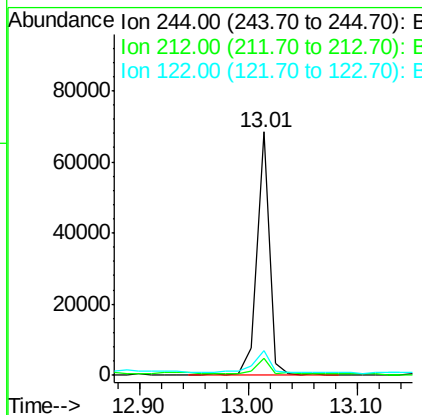
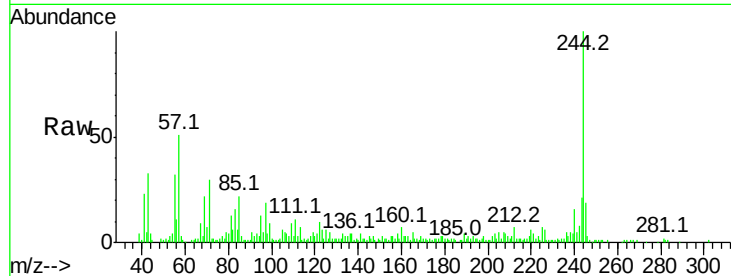
ClientSampleId :

PJ-SB-300(16.0-16.5)

Tot Ion:	244	Resp:	55264
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.7	8.5
122	10.3	7.4	11.0

Manual Integrations
APPROVED

UMANGI
1/4/2016 4:29:54 PM



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF084228.D

Acq: 1 Jan 2016 6:39

Tgt Ion:	264	Resp:	530597
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.4	29.2
265	21.1	17.8	26.6

