

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
 Data File : BF084276.D
 Acq On : 5 Jan 2016 10:07
 Operator : UM/SJ
 Sample : G4949-03
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-2(21.0-21.5)

Manual Integrations
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 1/5/2016 6:50:15 PM

Quant Time: Jan 05 13:52:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	248410	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	852020	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	377096	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	647485	20.00	ng	0.01
75) Chrysene-d12	14.05	240	589494	20.00	ng	-0.01
86) Perylene-d12	15.49	264	541172	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1612089	104.97	ng	0.01
7) Phenol-d6	6.53	99	2110904	109.44	ng	0.00
23) Nitrobenzene-d5	7.46	82	1518558	99.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	310133	81.46	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1709087	79.31	ng	0.00
78) Terphenyl-d14	13.00	244	1620146	61.35	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.90	142	338851	12.21	ng	# 94
49) Dimethylphthalate	9.66	163	337027	12.50	ng	# 67
51) Acenaphthene	9.98	154	308778	13.24	ng	# 70
57) Fluorene	10.50	166	674983	27.99	ng	# 95
70) Phenanthrene	11.46	178	1879841	55.50	ng	# 93
71) Anthracene	11.50	178	310111	9.34	ng	# 88
74) Fluoranthene	12.64	202	1037560	29.33	ng	98
77) Pyrene	12.87	202	1028391	22.23	ng	99
80) Benzo(a)anthracene	14.04	228	421476	12.18	ng	99
82) Chrysene	14.08	228	255111	7.67	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	143503	5.44	ng	96
87) Benzo(b)fluoranthene	15.07	252	389051m	10.99	ng	
88) Benzo(k)fluoranthene	15.09	252	93448m	3.23	ng	
89) Benzo(a)pyrene	15.43	252	257869	8.59	ng	# 95
91) Benzo(a,h,i)perylene	17.32	276	137853	5.15	ng	100

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

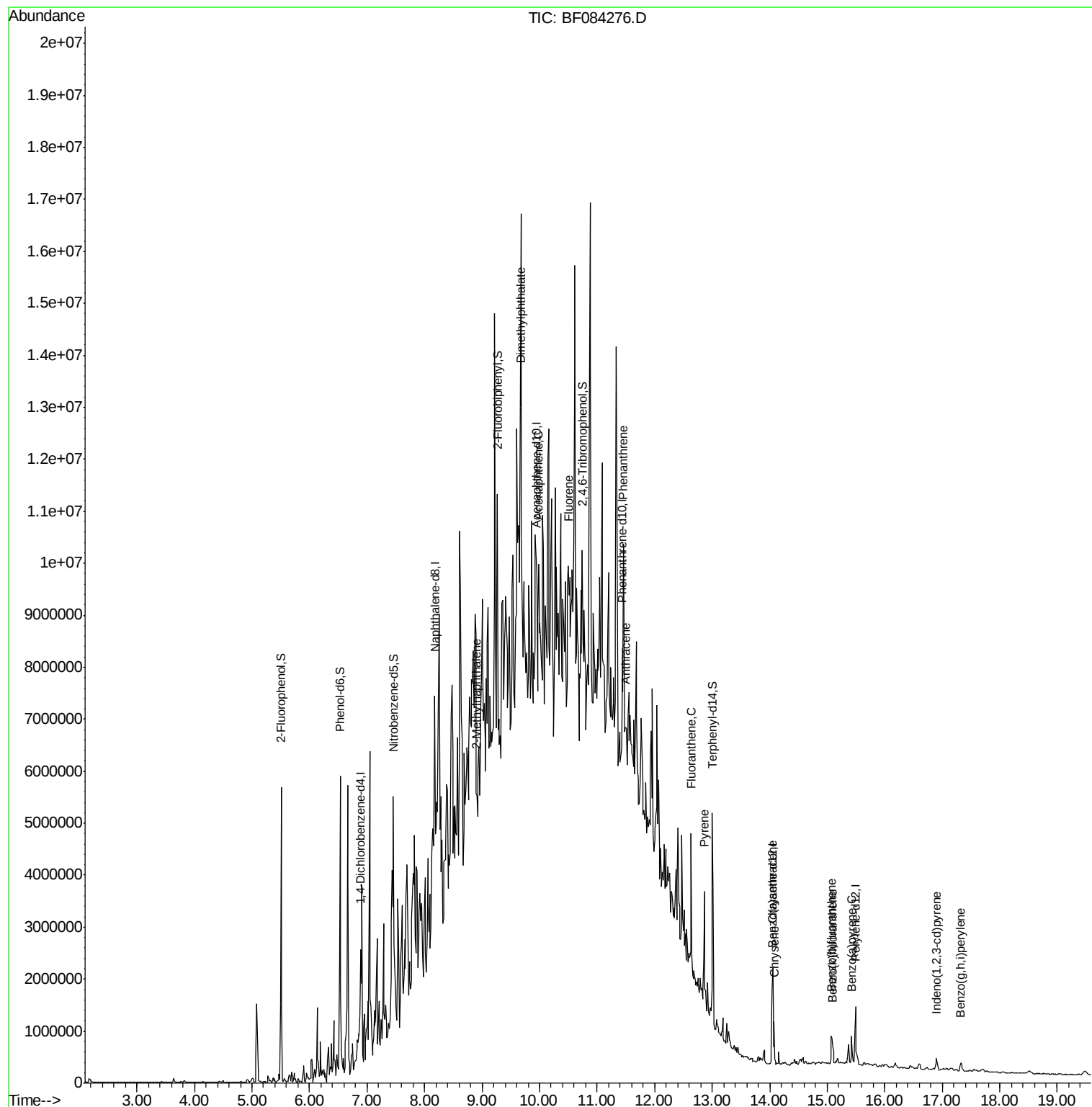
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084276.D
Acq On : 5 Jan 2016 10:07
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PJ-SB-2(21.0-21.5)

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1/5/2016 6:50:15 PM

Quant Time: Jan 05 13:52:07 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

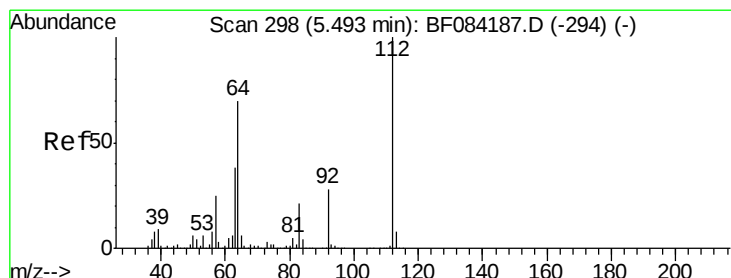
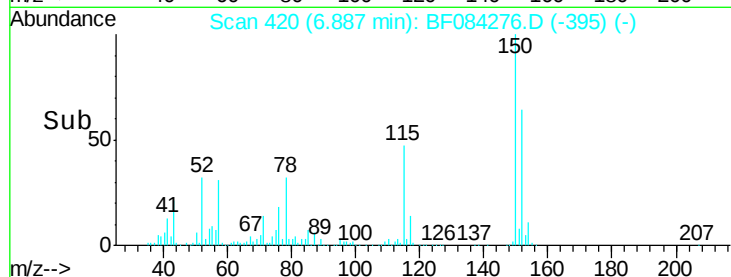
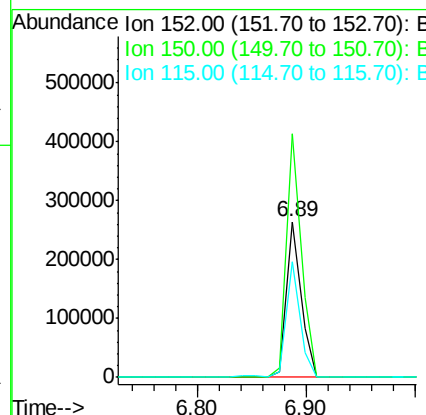
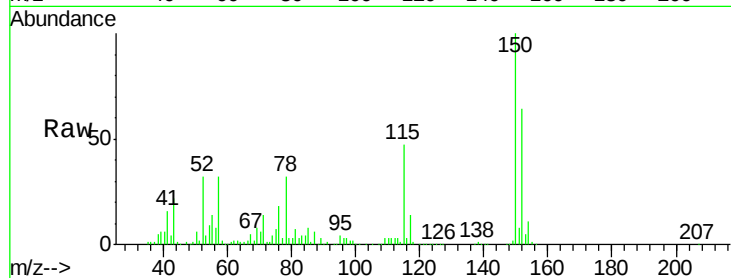
PJ-SB-2(21.0-21.5)

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Tot Ion:	152	Resp:	248410
Ion Ratio	Lower	Upper	
152	100		
150	156.8	123.0	184.4
115	74.1	51.4	77.2



#5

2-Fluorophenol

Concen: 104.97 ng

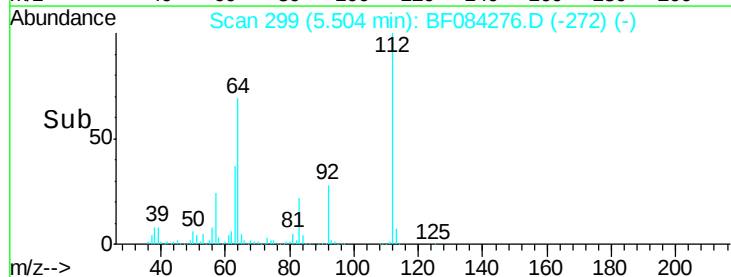
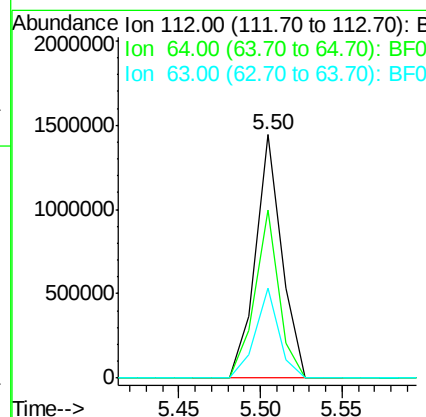
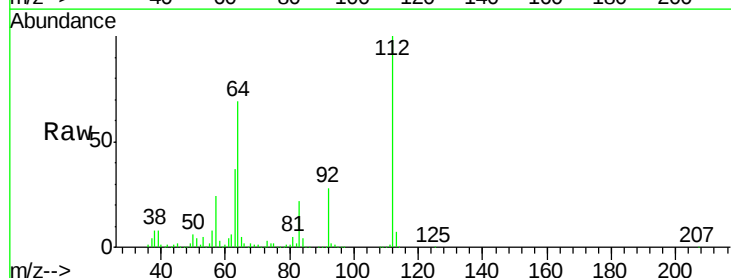
RT: 5.50 min Scan# 299

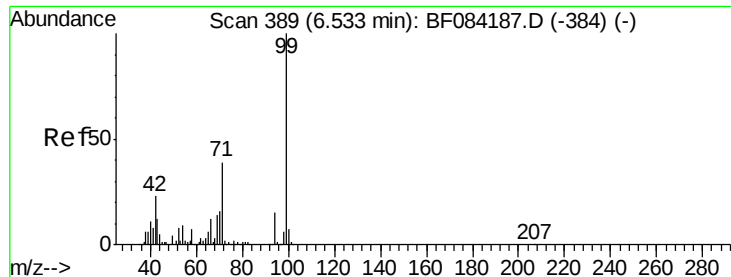
Delta R.T. 0.01 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Tgt Ion:	112	Resp:	1612089
Ion Ratio	Lower	Upper	
112	100		
64	69.3	36.6	55.0#
63	36.9	19.4	29.0#





#7

Phenol-d6

Concen: 109.44 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(21.0-21.5)

Tot Ion: 99 Resp: 2110904

Ion Ratio Lower Upper

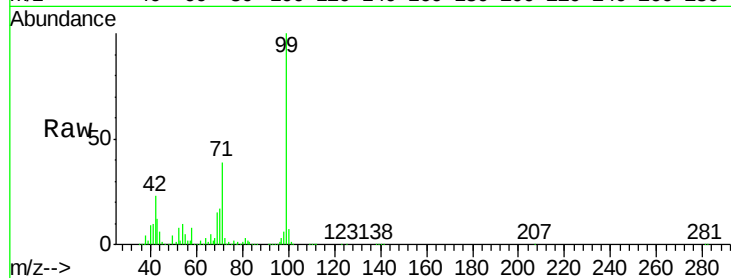
99 100

42 23.4 12.8 19.2#

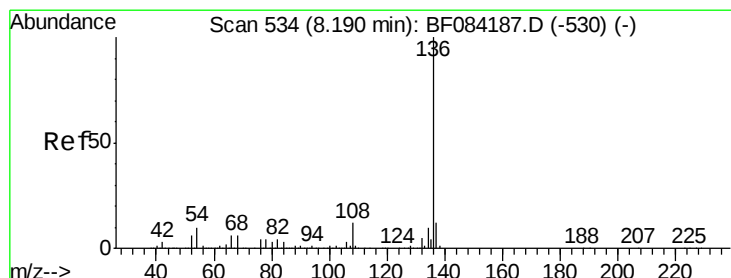
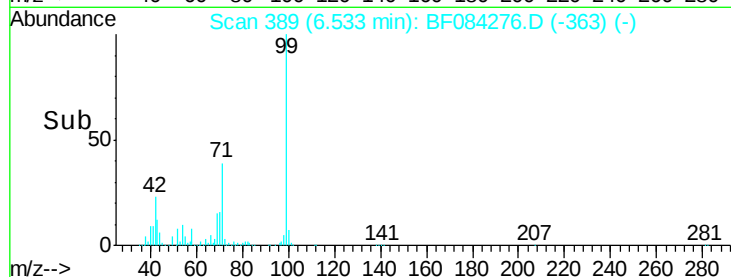
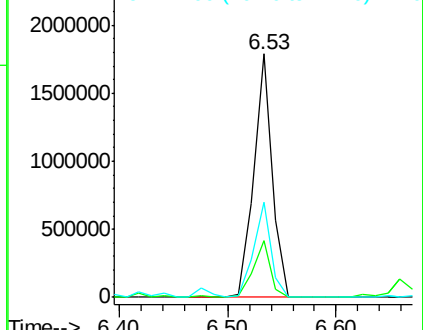
71 38.8 30.9 46.3

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Tgt Ion: 136 Resp: 852020

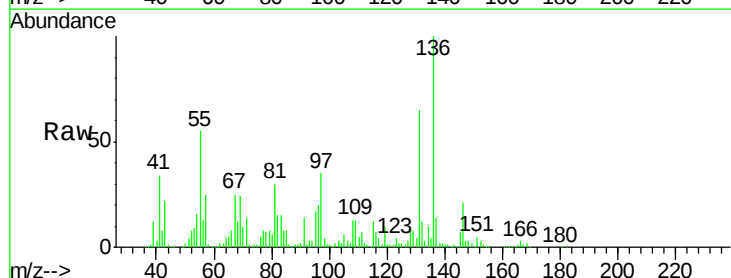
Ion Ratio Lower Upper

136 100

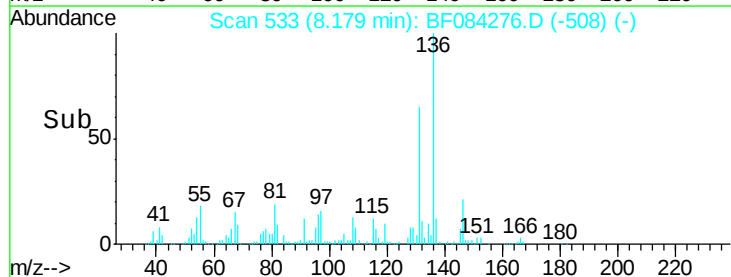
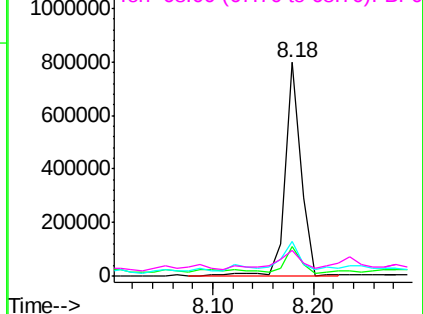
137 13.8 8.7 13.1#

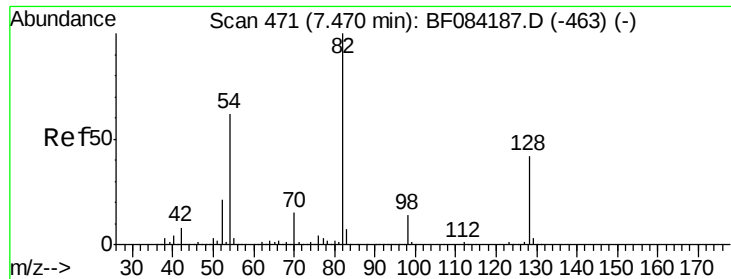
54 16.1 5.8 8.8#

68 12.0 4.2 6.2#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





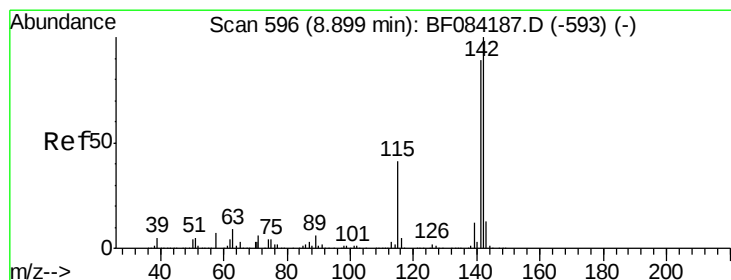
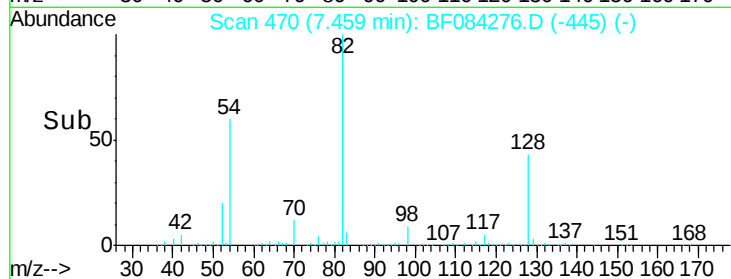
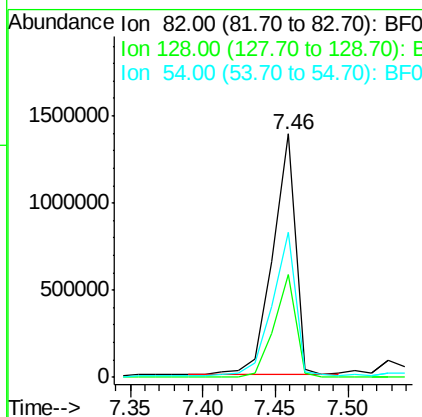
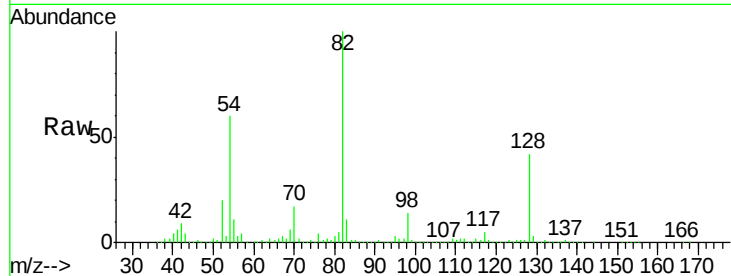
#23
 Nitrobenzene-d5
 Concen: 99.19 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084276.D
 Acq: 5 Jan 2016 10:07

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-2(21.0-21.5)

Tot Ion	82	Resp	1518558
Ion Ratio	100	Lower	Upper
82	100		
128	42.5	34.6	51.8
54	59.8	38.4	57.6

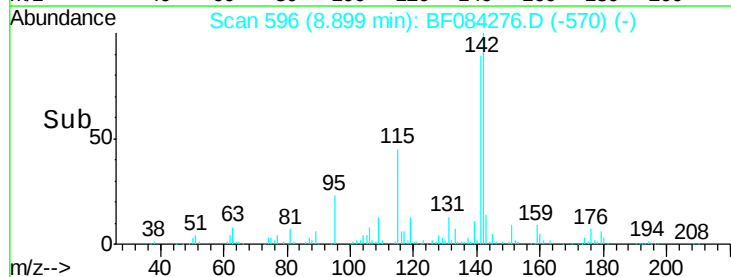
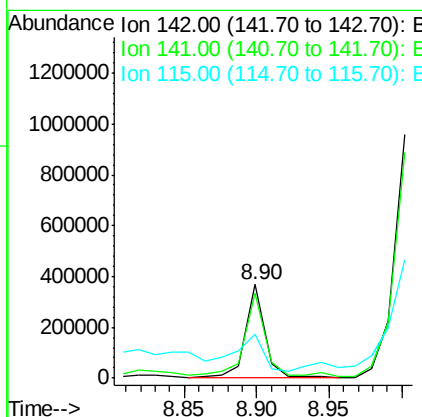
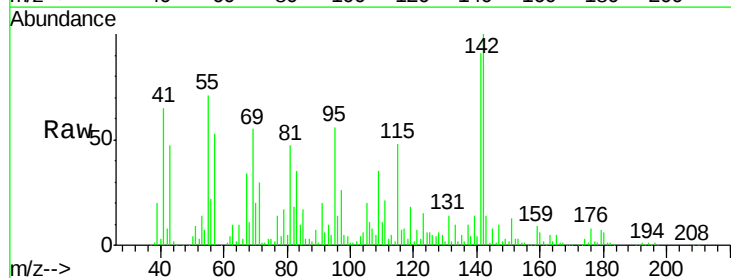
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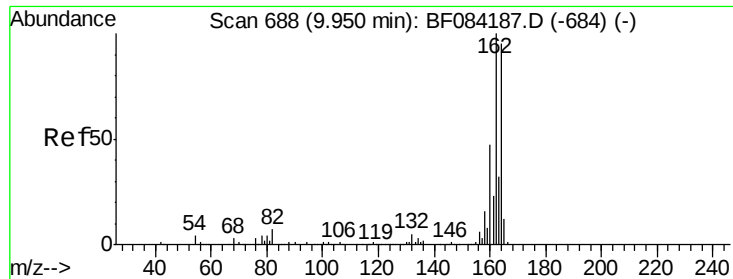
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#37
 2-Methylnaphthalene
 Concen: 12.21 ng
 RT: 8.90 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: BF084276.D
 Acq: 5 Jan 2016 10:07

Tgt Ion	142	Resp	338851
Ion Ratio	100	Lower	Upper
142	100		
141	90.6	72.4	108.6
115	47.8	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: BF084276.D

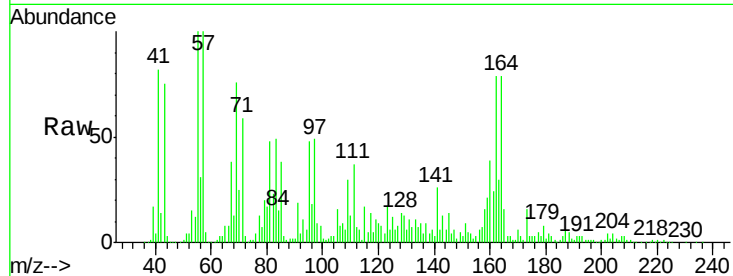
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Instrument :

BNA_F

ClientSampleId :

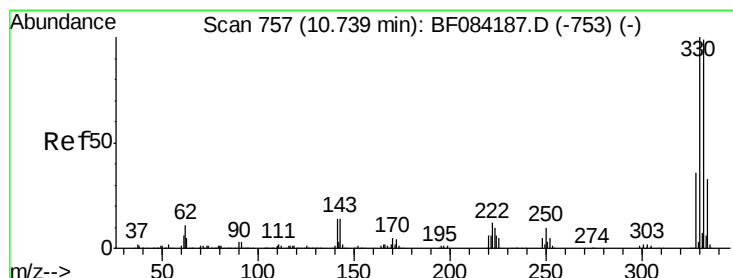
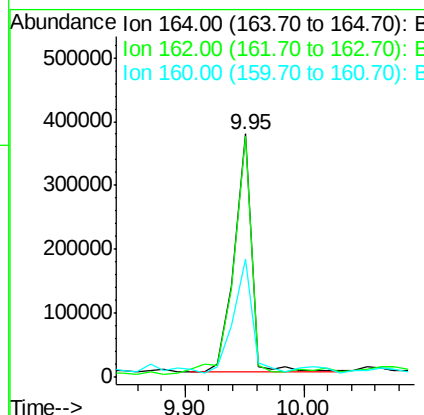
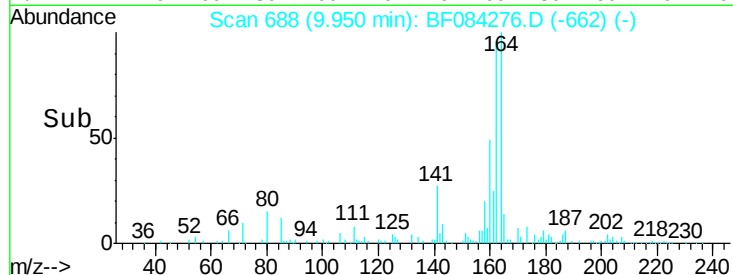
PJ-SB-2(21.0-21.5)



Tot Ion	164	Resp	377096
Ion Ratio	Lower	Upper	
164	100		
162	99.3	85.1	127.7
160	48.5	37.5	56.3

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#41

2,4,6-Tribromophenol

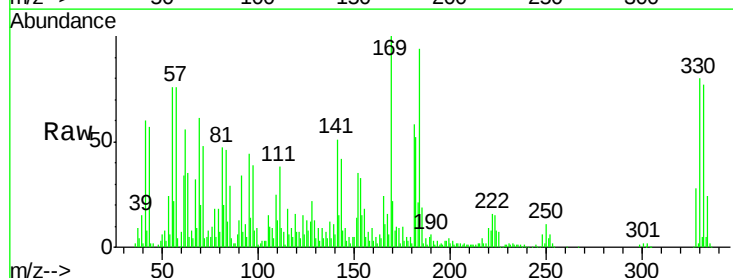
Concen: 81.46 ng

RT: 10.74 min Scan# 757

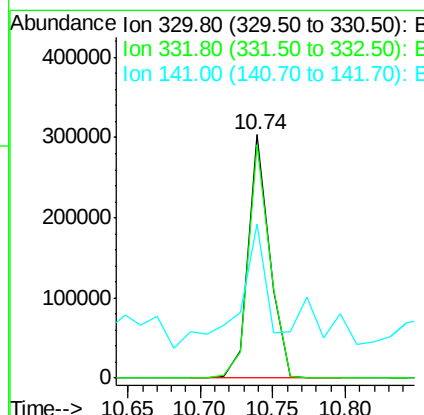
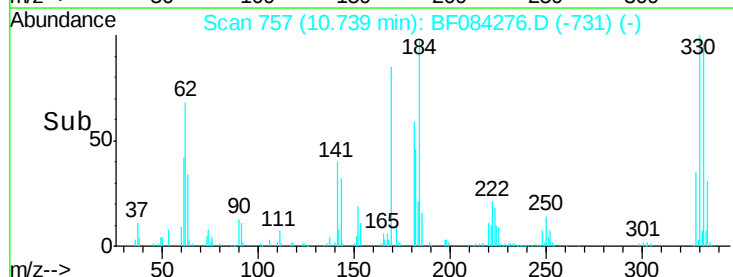
Delta R.T. 0.00 min

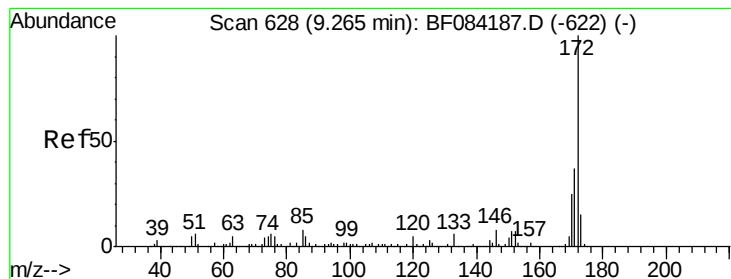
Lab File: BF084276.D

Acq: 5 Jan 2016 10:07



Tgt Ion	330	Resp	310133
Ion Ratio	Lower	Upper	
330	100		
332	97.6	76.6	114.8
141	66.8	27.8	41.6#





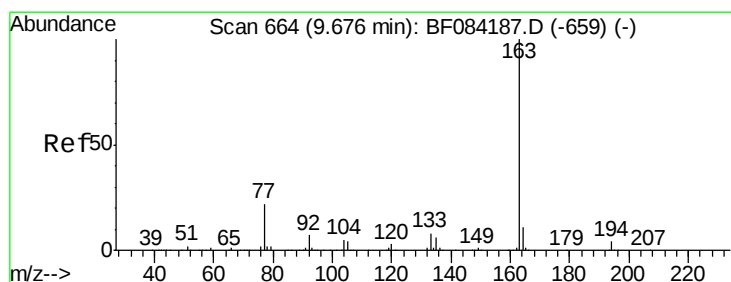
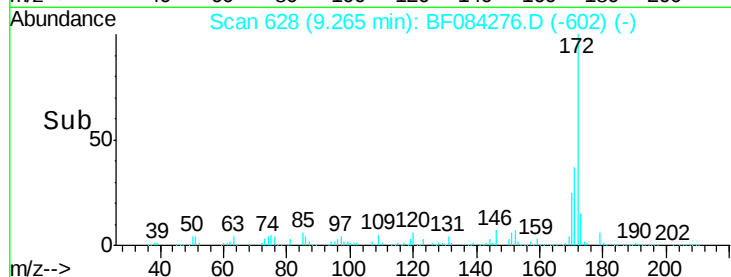
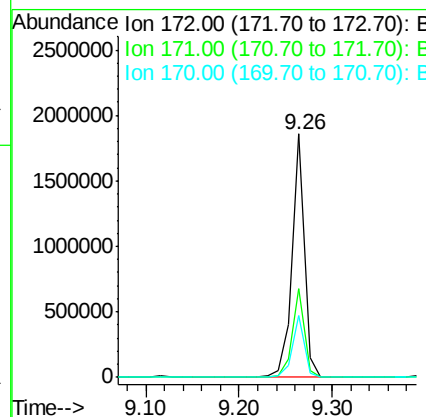
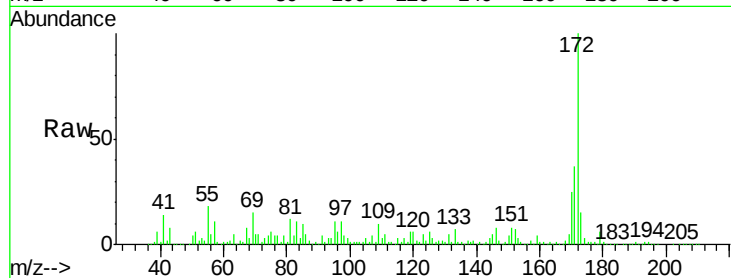
#44
2-Fluorobiphenyl
Concen: 79.31 ng
RT: 9.26 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF084276.D
Acq: 5 Jan 2016 10:07

Instrument :
BNA_F
ClientSampleId :
PJ-SB-2(21.0-21.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	25.3	18.6	27.8

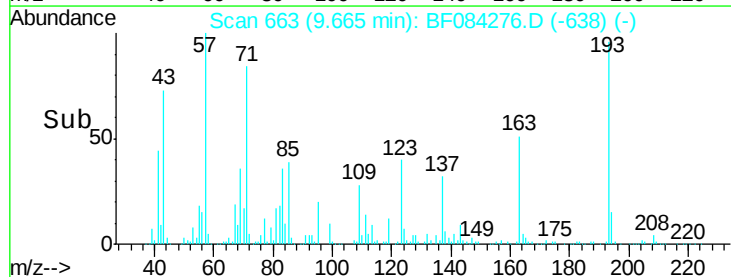
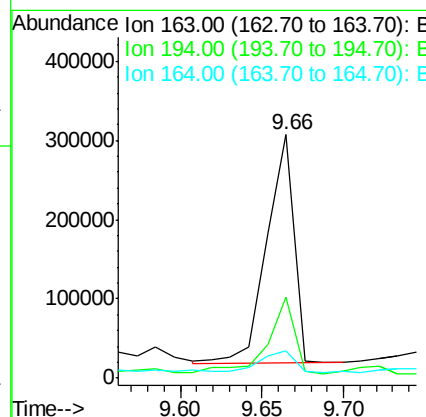
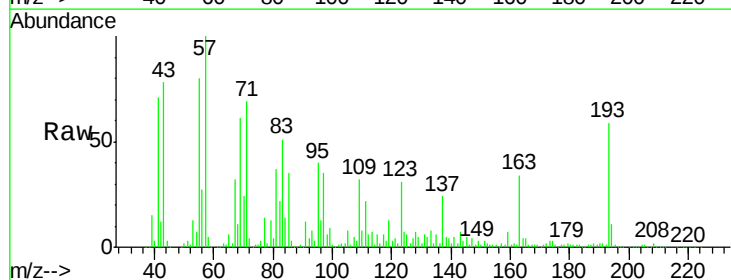
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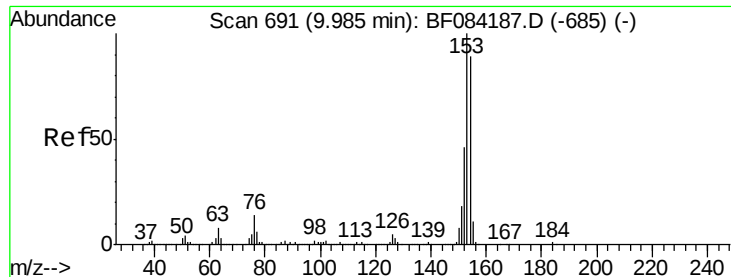
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#49
Dimethylphthalate
Concen: 12.50 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF084276.D
Acq: 5 Jan 2016 10:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	33.3	8.0	12.0#
164	11.5	8.0	12.0





#51

Acenaphthene

Concen: 13.24 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF084276.D

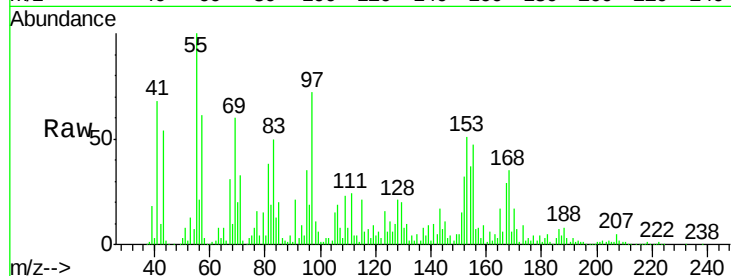
Acq: 5 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(21.0-21.5)



Tot Ion:154 Resp: 308778

Ion Ratio Lower Upper

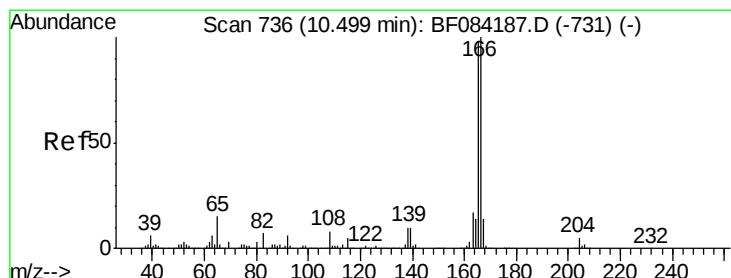
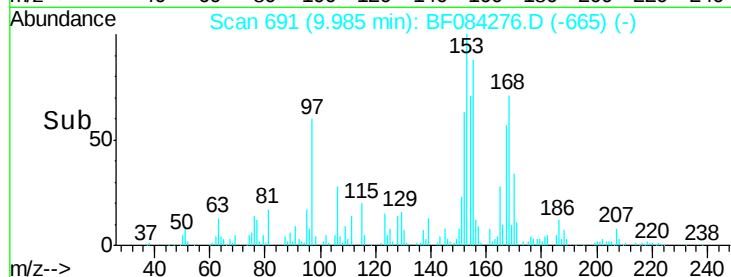
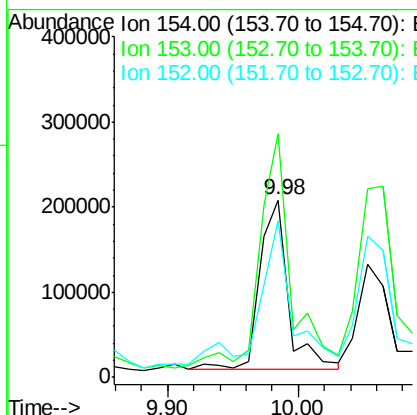
154 100

153 137.3 91.5 137.3#

152 88.0 43.0 64.6#

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#57

Fluorene

Concen: 27.99 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

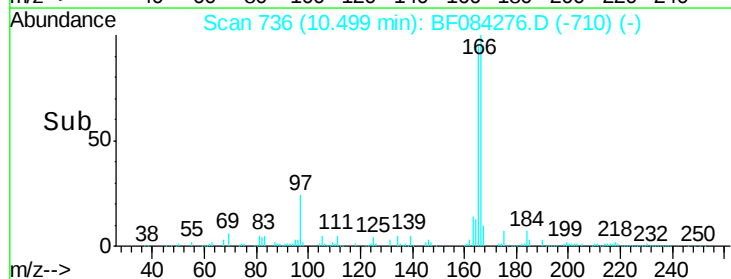
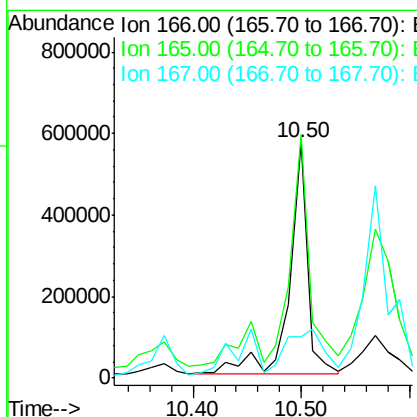
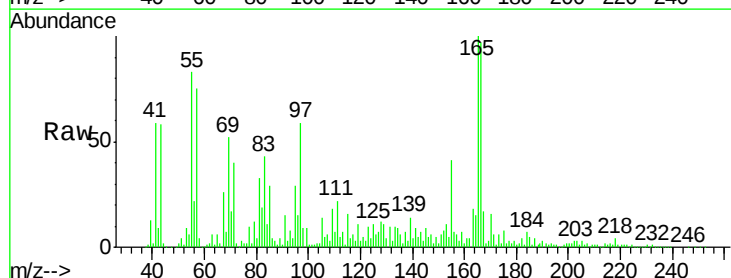
Tgt Ion:166 Resp: 674983

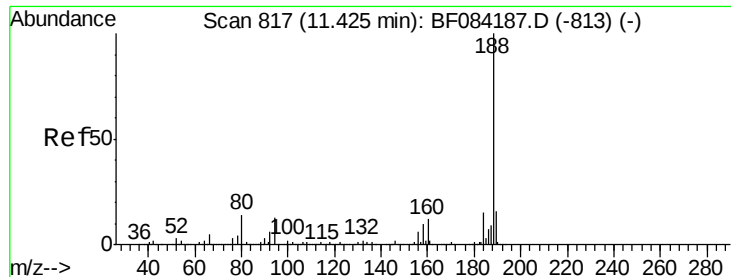
Ion Ratio Lower Upper

166 100

165 103.4 79.1 118.7

167 17.7 10.4 15.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Instrument :

BNA_F

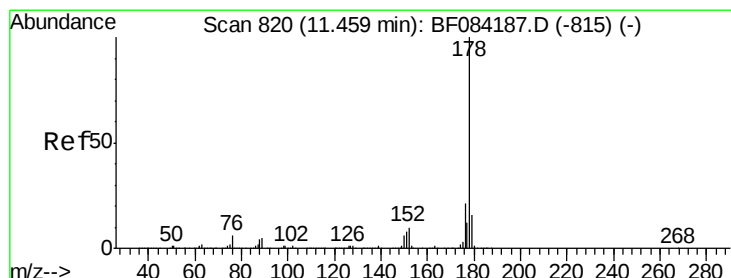
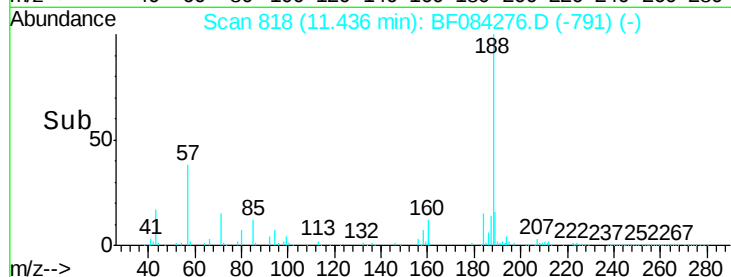
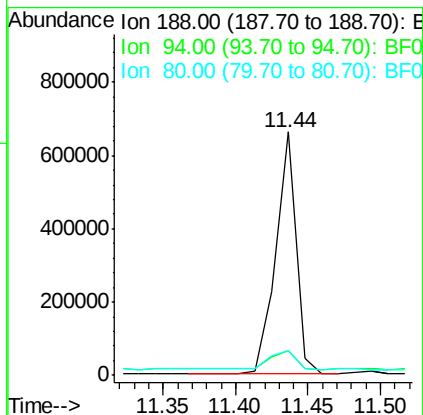
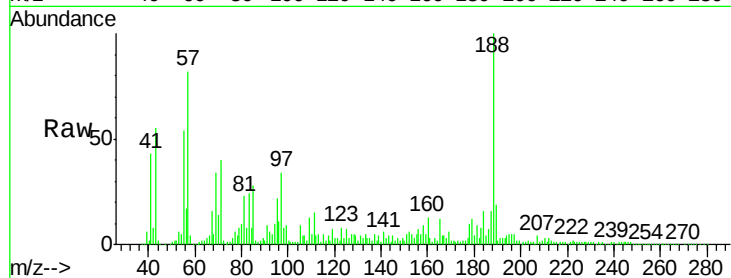
ClientSampleId :

PJ-SB-2(21.0-21.5)

Tot Ion:	188	Resp:	647485
Ion Ratio	Lower	Upper	
188	100		
94	10.0	9.0	13.4
80	10.1	9.6	14.4

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#70

Phenanthrene

Concen: 55.50 ng

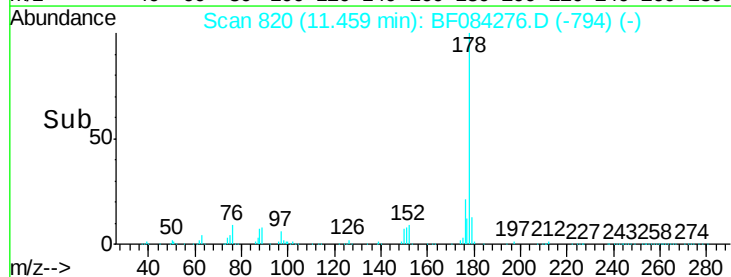
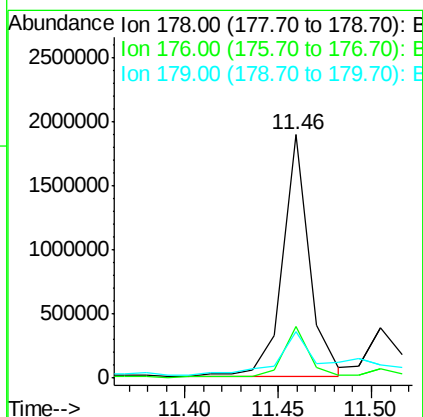
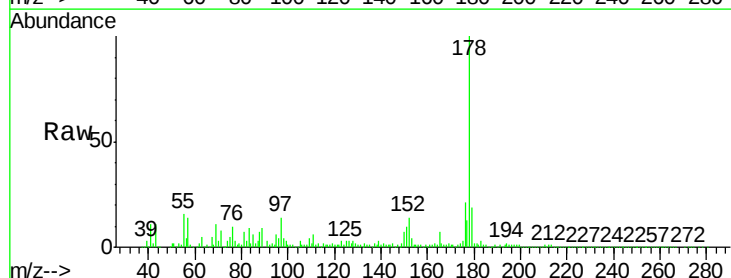
RT: 11.46 min Scan# 820

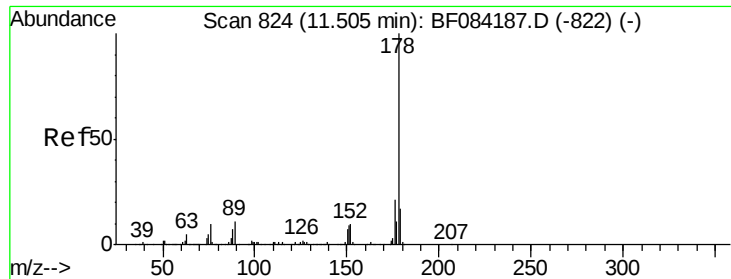
Delta R.T. 0.00 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Tgt Ion:	178	Resp:	1879841
Ion Ratio	Lower	Upper	
178	100		
176	21.2	15.3	22.9
179	18.9	12.0	18.0#





#71

Anthracene

Concen: 9.34 ng

RT: 11.50 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF084276.D

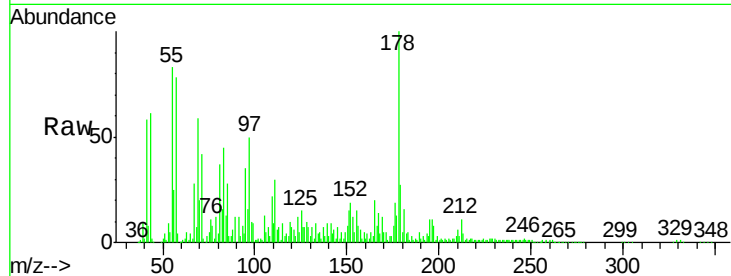
Acq: 5 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

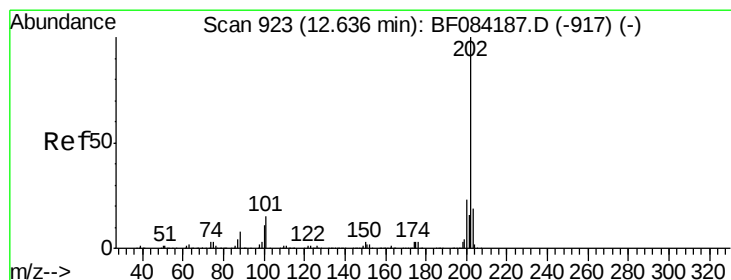
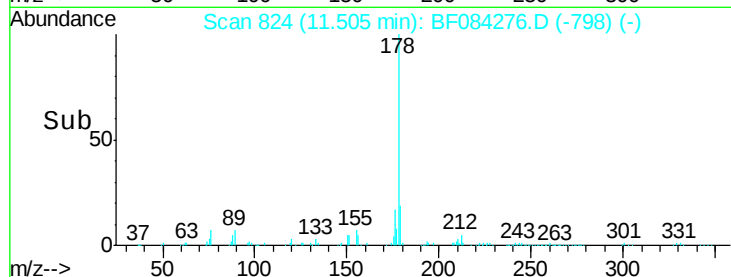
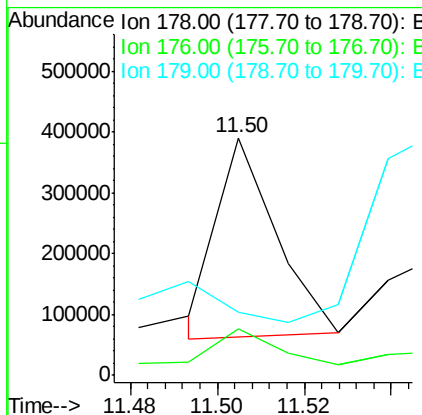
PJ-SB-2(21.0-21.5)



Tot Ion:	178	Resp:	310111
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.4	23.0
179	26.7	12.5	18.7#

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#74

Fluoranthene

Concen: 29.33 ng

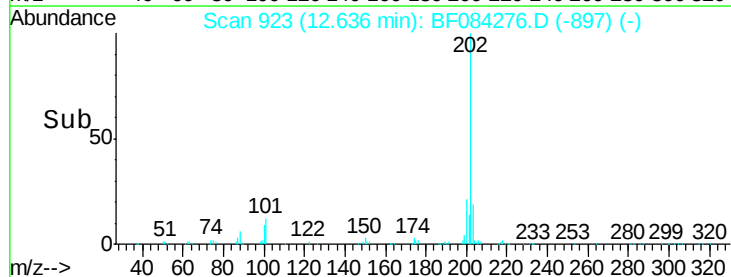
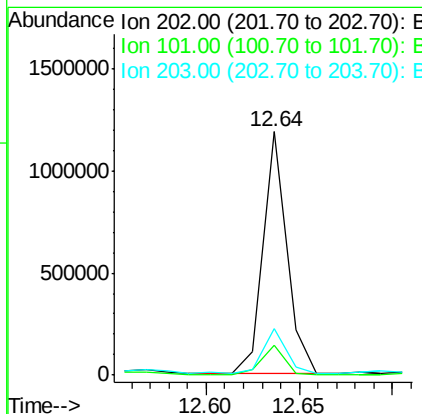
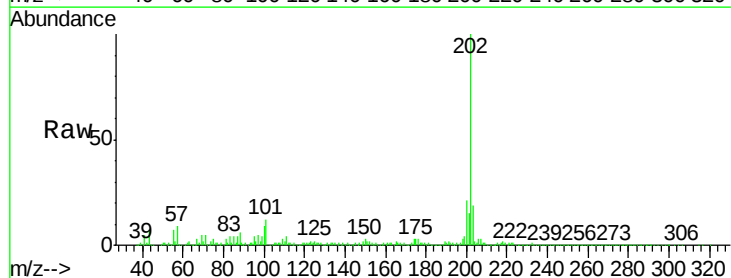
RT: 12.64 min Scan# 923

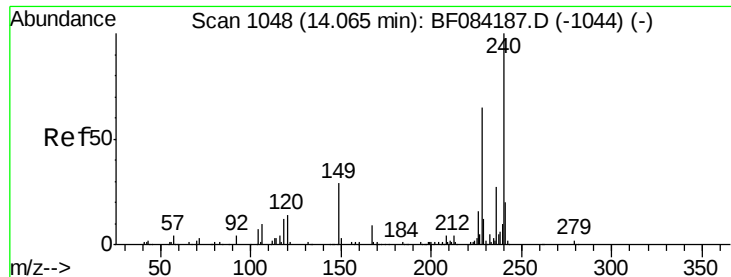
Delta R.T. 0.00 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Tgt Ion:	202	Resp:	1037560
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	32.8
203	19.0	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Instrument :

BNA_F

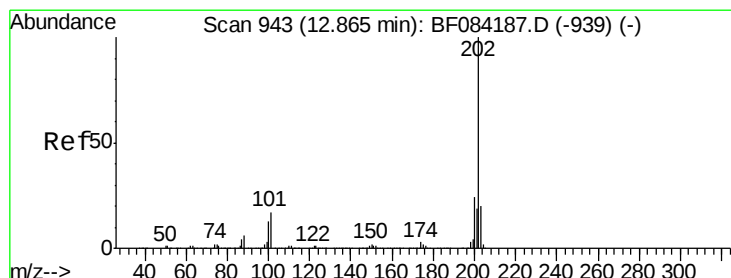
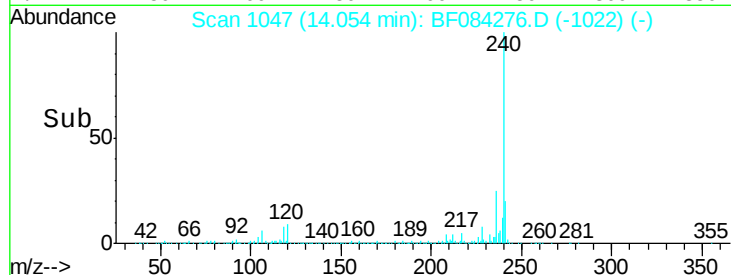
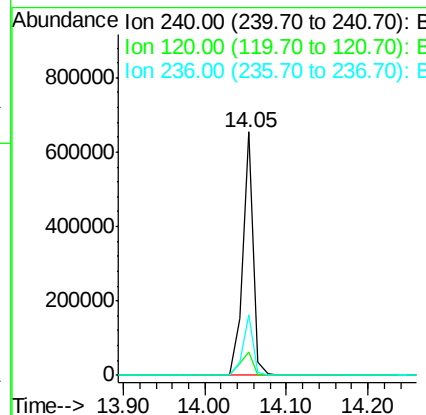
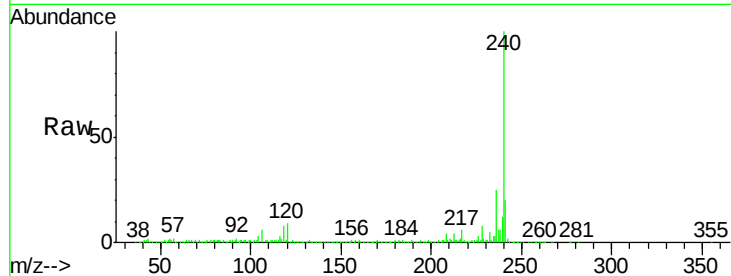
ClientSampleId :

PJ-SB-2(21.0-21.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3#
236	25.1	20.6	31.0

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#77

Pyrene

Concen: 22.23 ng

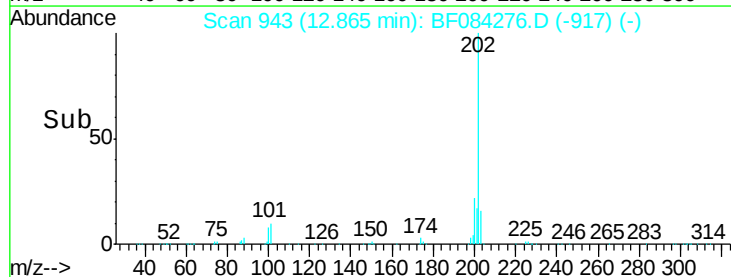
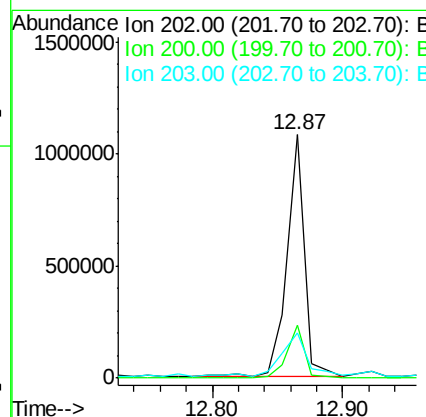
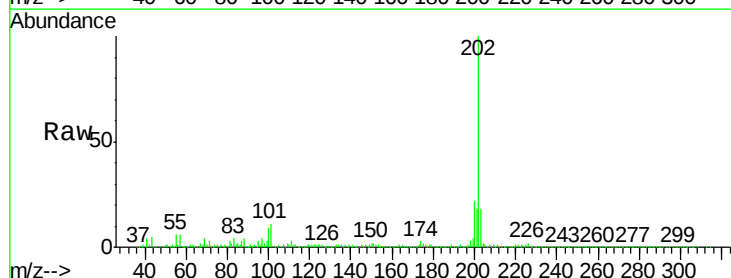
RT: 12.87 min Scan# 943

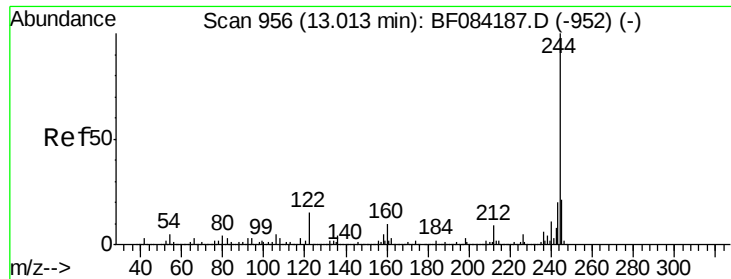
Delta R.T. 0.00 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	18.4	14.3	21.5





#78

Terphenyl-d14

Concen: 61.35 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(21.0-21.5)

Tot Ion:244 Resp: 1620146

Ion Ratio Lower Upper

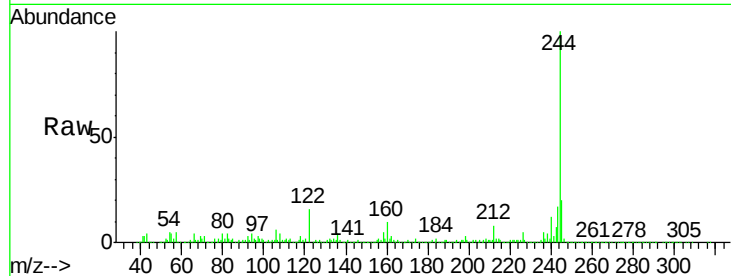
244 100

212 8.2 5.7 8.5

122 15.5 7.4 11.0#

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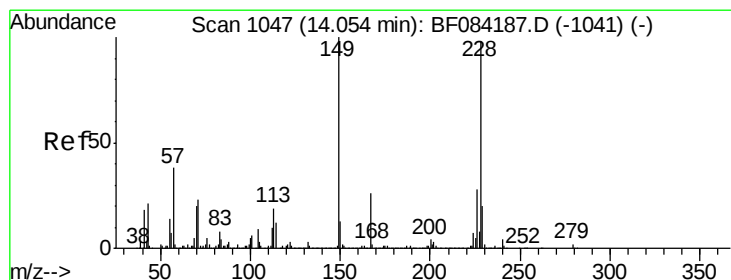
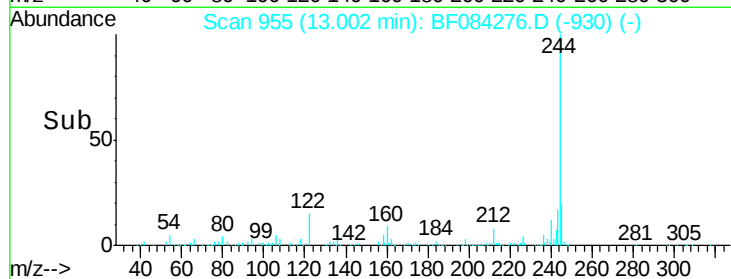
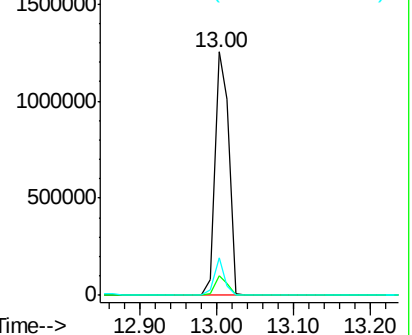
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 12.18 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

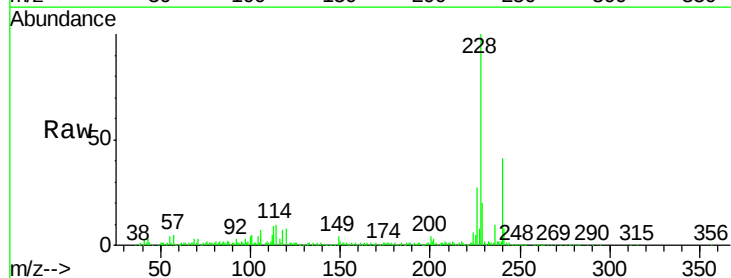
Tgt Ion:228 Resp: 421476

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.6

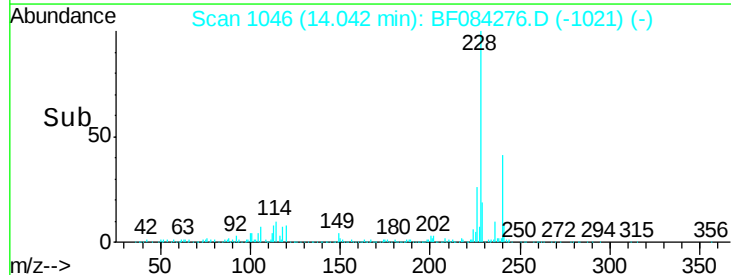
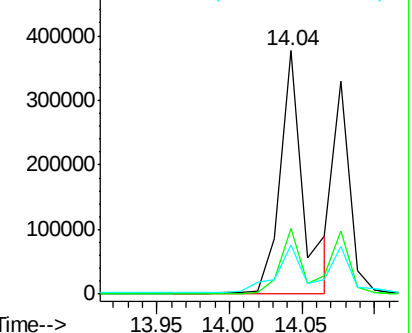
229 20.1 15.8 23.8

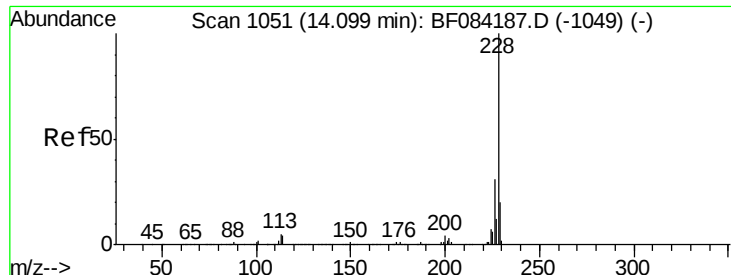


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.67 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF084276.D

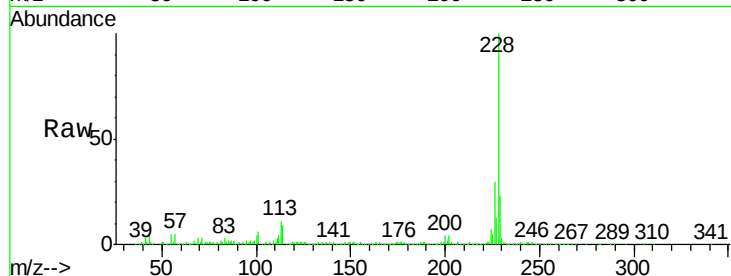
Acq: 5 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

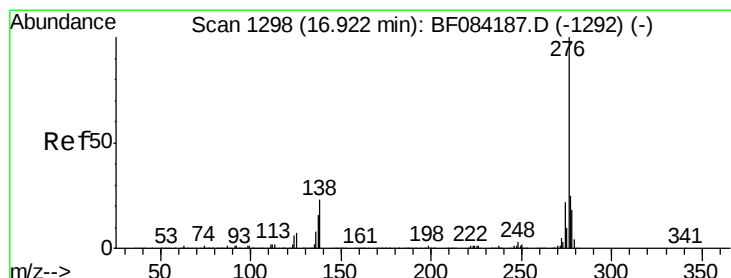
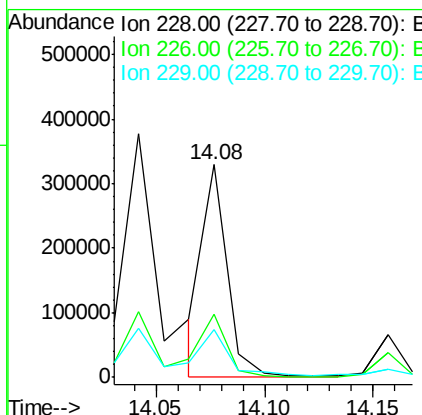
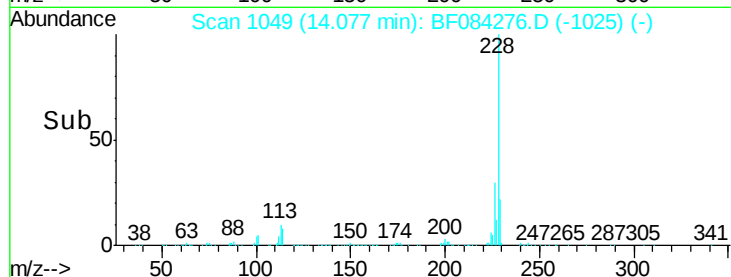
PJ-SB-2(21.0-21.5)



Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	22.5	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.44 ng

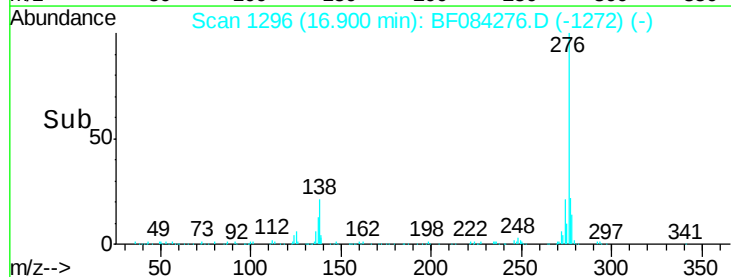
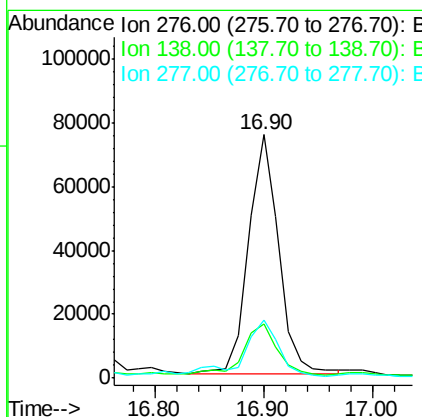
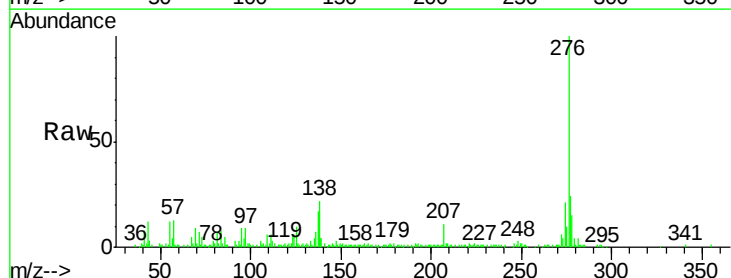
RT: 16.90 min Scan# 1296

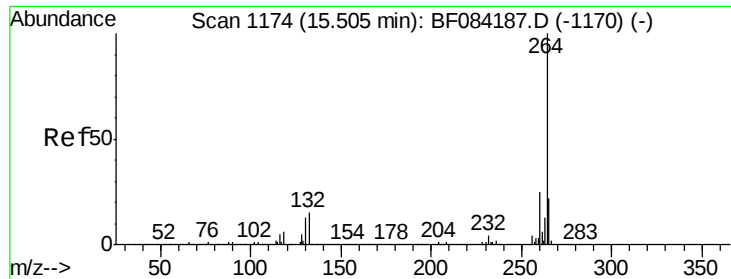
Delta R.T. -0.02 min

Lab File: BF084276.D

Acq: 5 Jan 2016 10:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.8	20.6	30.8
277	28.3	20.1	30.1





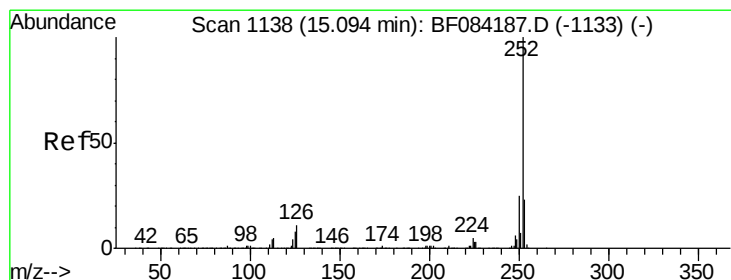
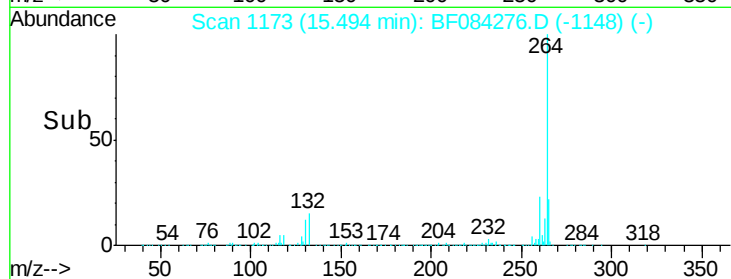
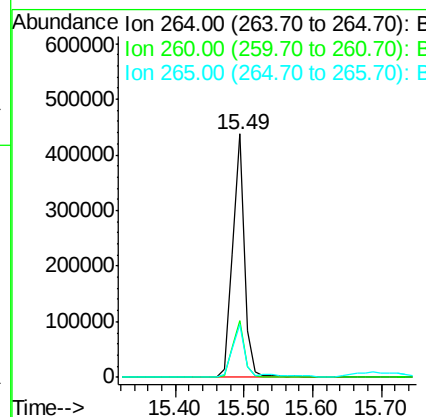
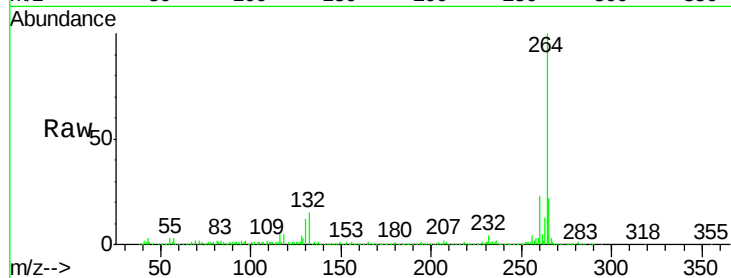
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084276.D
Acq: 5 Jan 2016 10:07

Instrument :
BNA_F
ClientSampleId :
PJ-SB-2(21.0-21.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.7	17.8	26.6

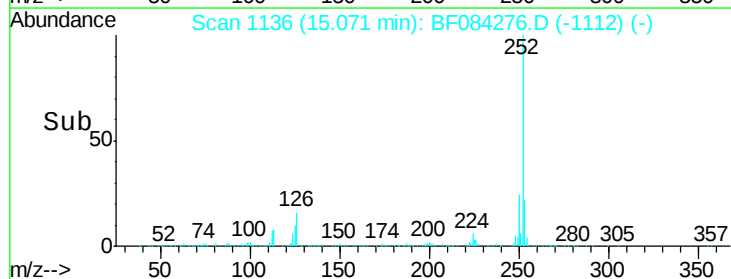
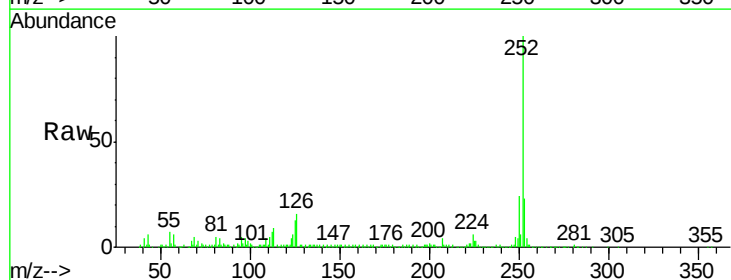
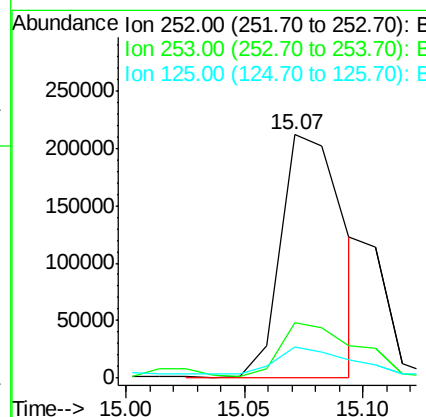
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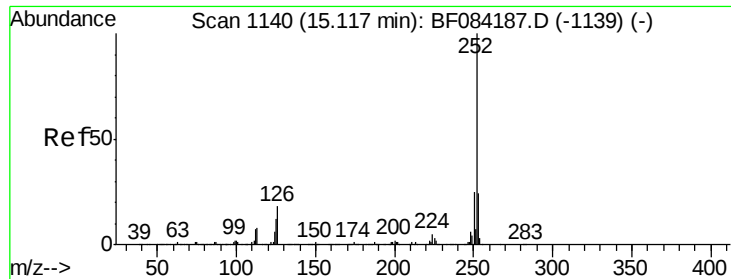
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#87
Benzo(b)fluoranthene
Concen: 10.99 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF084276.D
Acq: 5 Jan 2016 10:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	12.6	6.5	9.7#





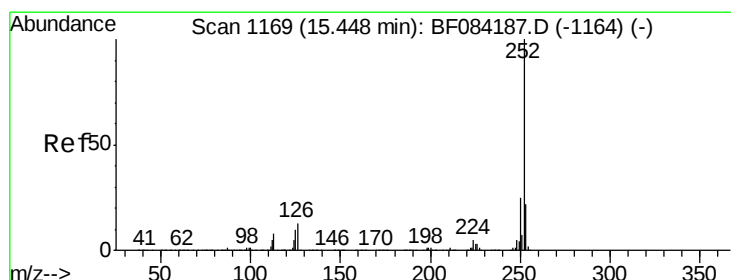
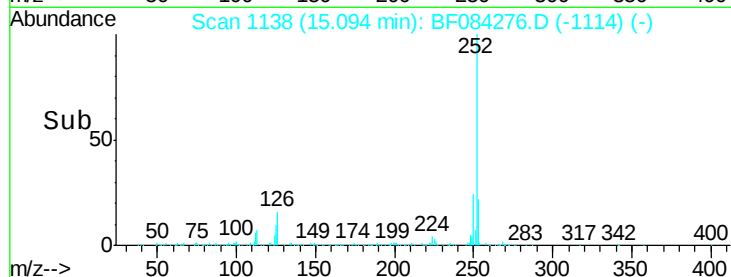
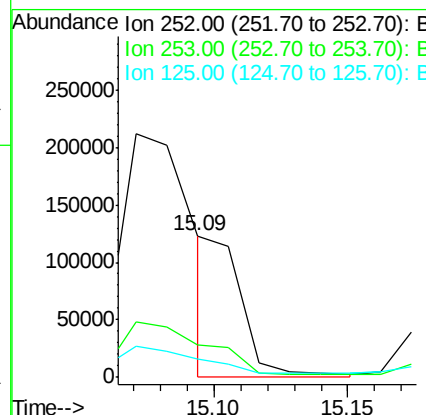
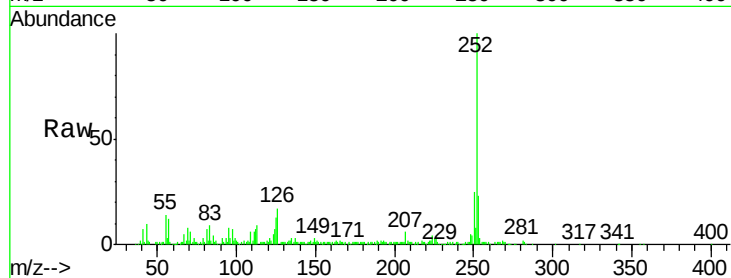
#88
Benzo(k)fluoranthene
Concen: 3.23 ng m
RT: 15.09 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF084276.D
Acq: 5 Jan 2016 10:07

Instrument :
BNA_F
ClientSampleId :
PJ-SB-2(21.0-21.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	13.3	9.0	13.6

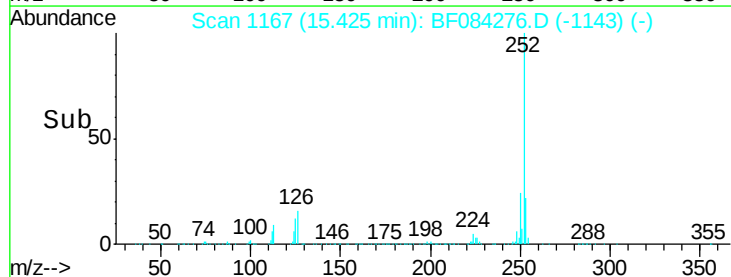
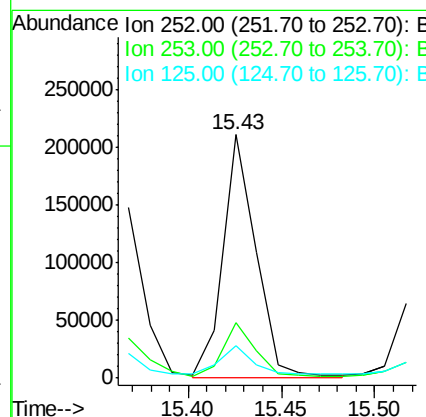
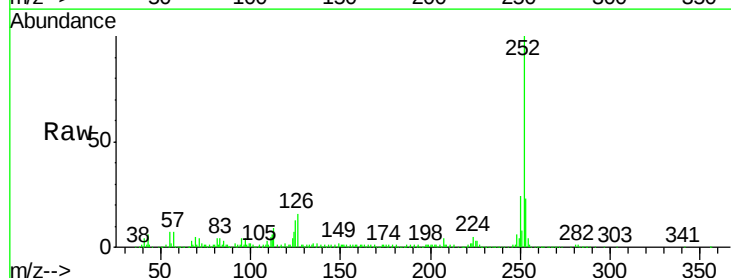
Manual Integrations
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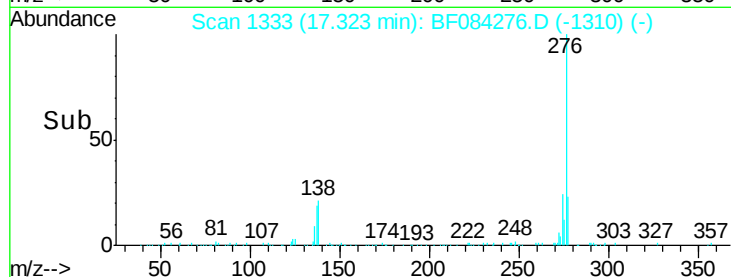
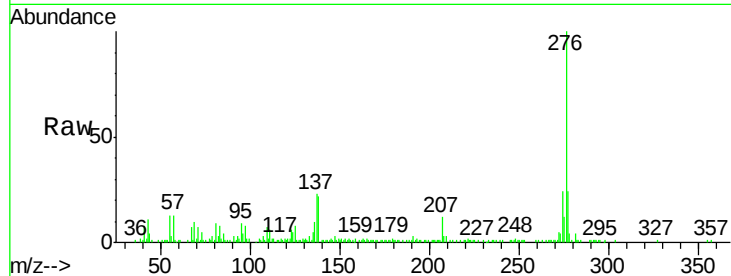
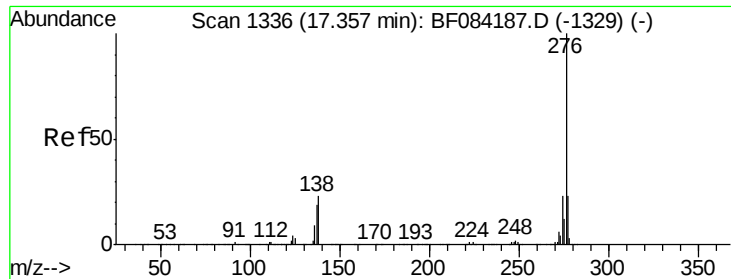
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#89
Benzo(a)pyrene
Concen: 8.59 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF084276.D
Acq: 5 Jan 2016 10:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	13.3	7.0	10.4#





#91
 Benzo(a,h,i)perylene
 Concen: 5.15 ng
 RT: 17.32 min Scan# 1333
 Delta R.T. -0.03 min
 Lab File: BF084276.D
 Acq: 5 Jan 2016 10:07

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-2(21.0-21.5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	22.2	17.8	26.6

Manual Integrations
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