

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
 Data File : BF082629.D
 Acq On : 31 Oct 2015 18:58
 Operator : UM/IZ
 Sample : G4190-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3W(0-2)

Manual Integrations
 APPROVED

Mmdadoda
 11/2/2015 4:32:42 PM

Quant Time: Nov 02 05:44:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	213256	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	860632	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	432178	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	767971	20.00	ng	0.00
75) Chrysene-d12	14.08	240	510946	20.00	ng	0.00
86) Perylene-d12	15.53	264	474982	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1553044	109.69	ng	0.01
7) Phenol-d6	6.53	99	2214208	117.71	ng	0.00
23) Nitrobenzene-d5	7.47	82	1661897	78.85	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	571076	120.74	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1993297	65.48	ng	0.00
78) Terphenyl-d14	13.02	244	1606051	68.79	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.66	163	974972	27.62	ng	99
70) Phenanthrene	11.46	178	773833	17.87	ng	97
71) Anthracene	11.50	178	220022	5.04	ng	97
74) Fluoranthene	12.65	202	777561	17.56	ng	96
77) Pyrene	12.88	202	631078	16.68	ng	95
80) Benzo(a)anthracene	14.07	228	259110	7.98	ng	99
82) Chrysene	14.10	228	185824m	6.32	ng	
85) Indeno(1,2,3-cd)pyrene	16.95	276	101105	4.16	ng	95
87) Benzo(b)fluoranthene	15.11	252	209768m	6.40	ng	
88) Benzo(k)fluoranthene	15.13	252	73780m	2.96	ng	
89) Benzo(a)pyrene	15.46	252	159189	6.17	ng	98
91) Benzo(g,h,i)perylene	17.37	276	94137	4.04	ng	98

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

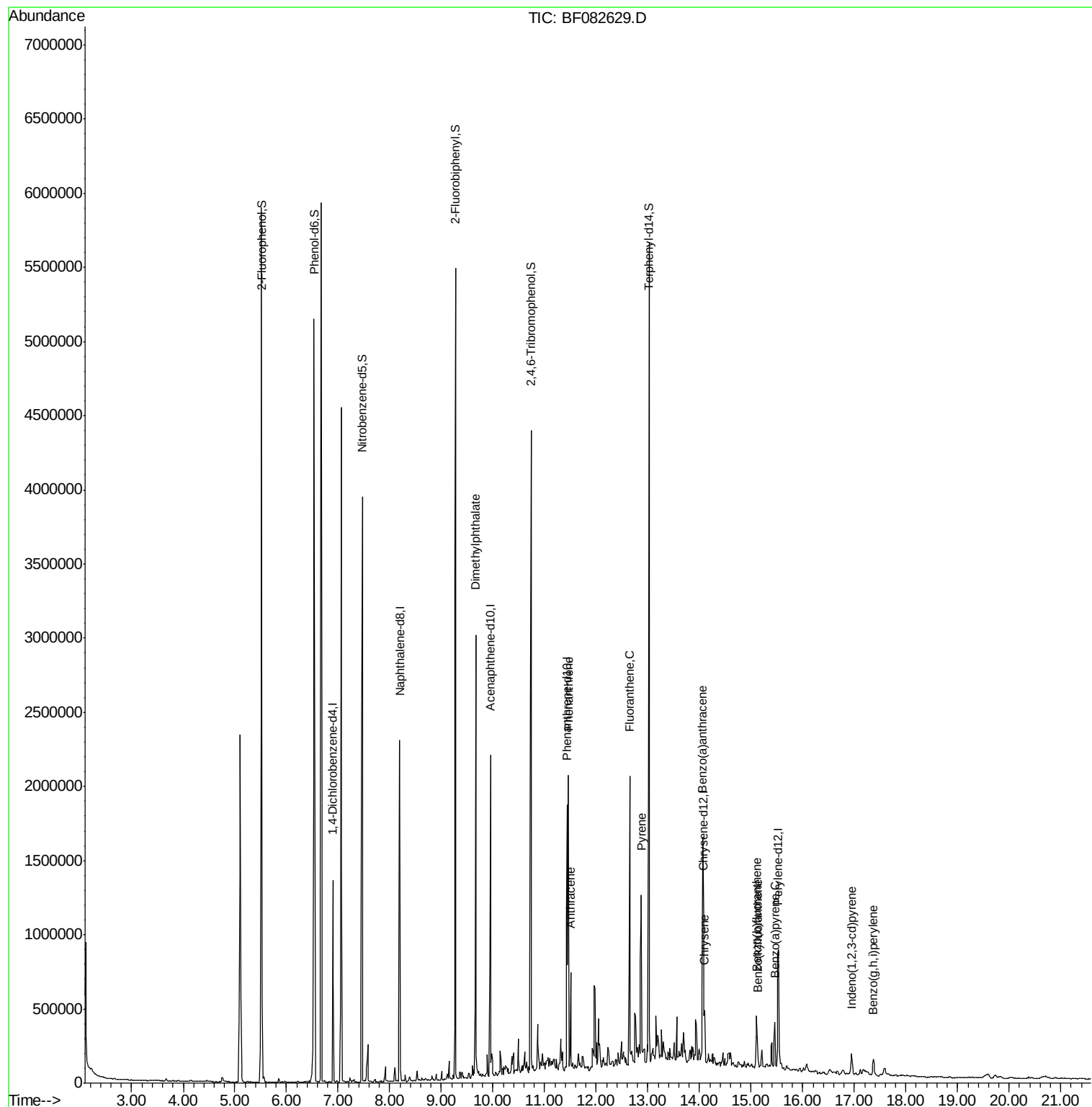
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082629.D
Acq On : 31 Oct 2015 18:58
Operator : UM/IZ
Sample : G4190-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

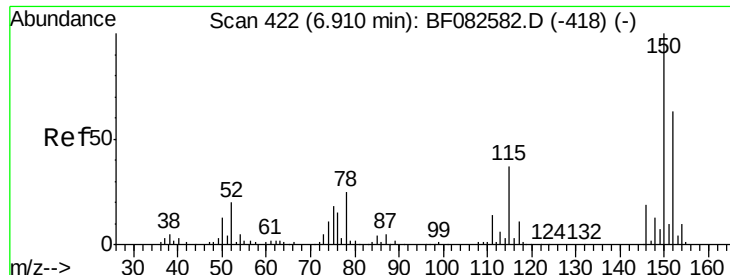
Instrument :
BNA_F
ClientSampleId :
3W(0-2)

Manual Integrations
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

Instrument :

BNA_F

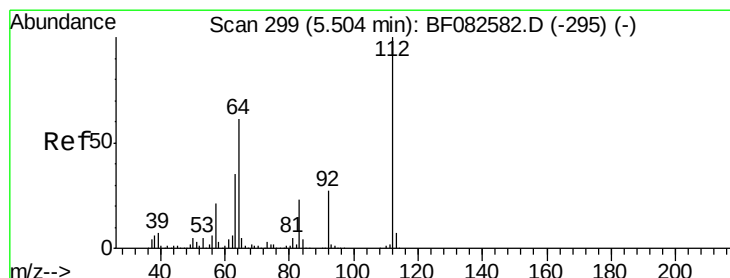
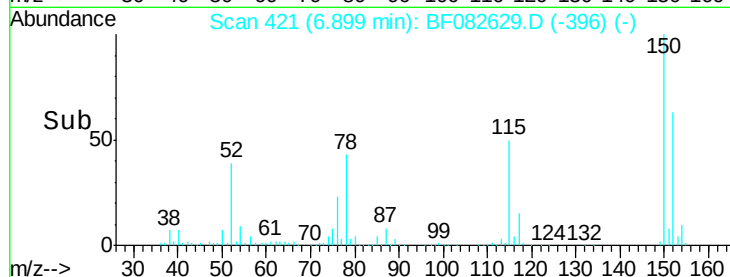
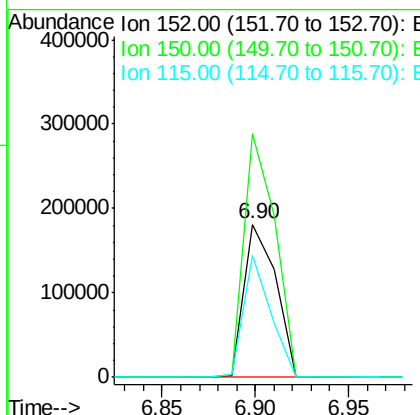
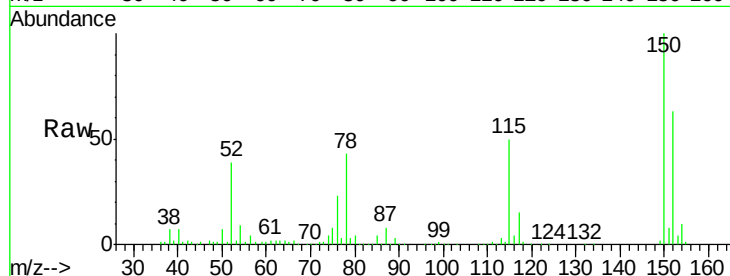
ClientSampleId :

3W(0-2)

Manual Integrations
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	213256		
150	158.9	127.0	190.4	
115	79.5	47.0	70.6	



#5

2-Fluorophenol

Concen: 109.69 ng

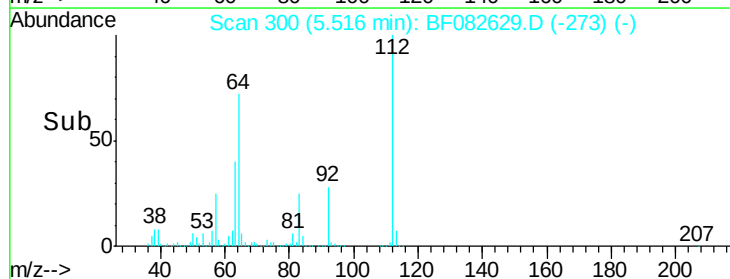
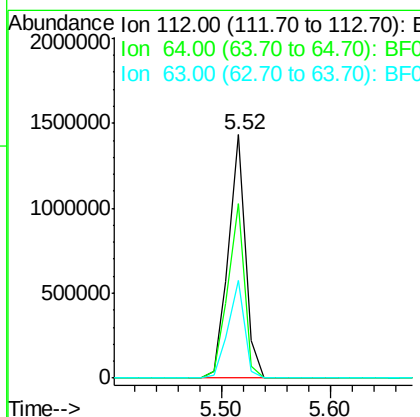
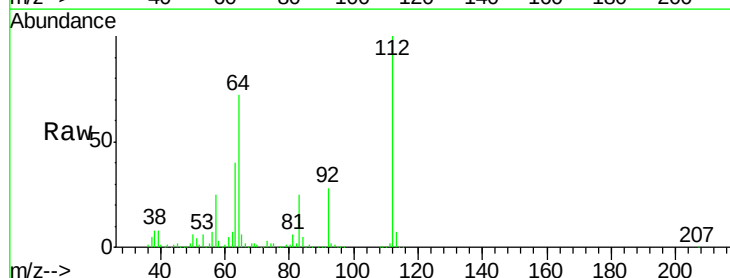
RT: 5.52 min Scan# 300

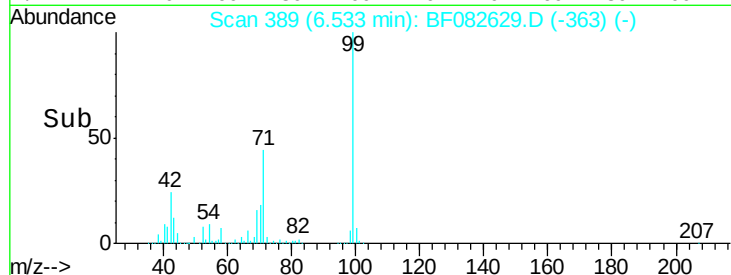
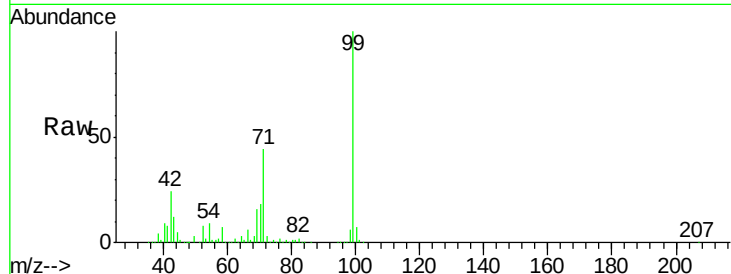
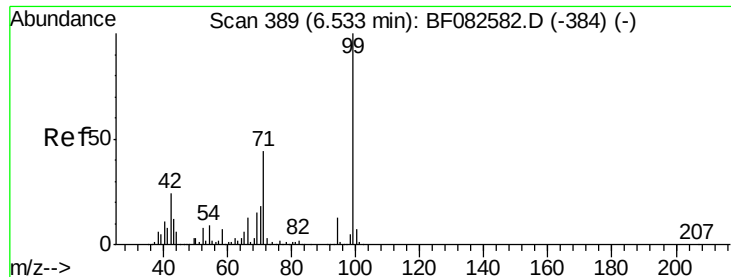
Delta R.T. 0.01 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1553044		
64	71.8	48.9	73.3	
63	39.9	28.1	42.1	





#7

Phenol-d6

Concen: 117.71 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

Instrument :

BNA_F

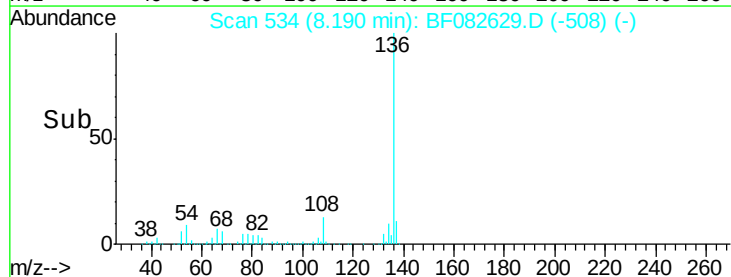
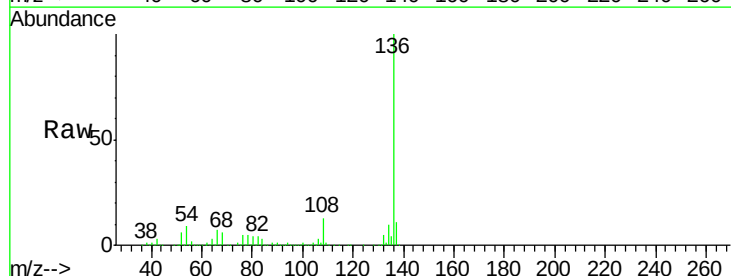
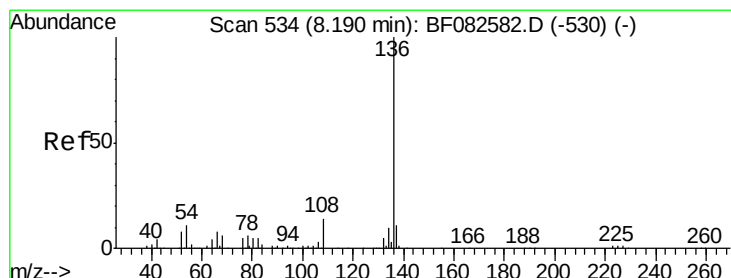
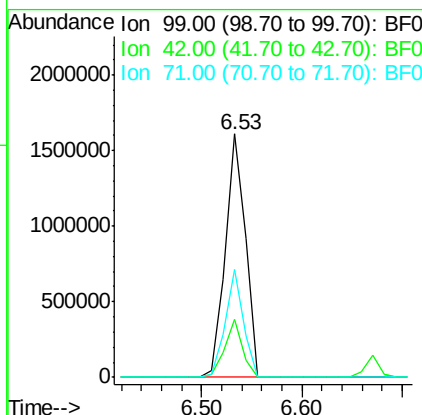
ClientSampleId :

3W(0-2)

Manual Integrations
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Tgt Ion:	99	Resp:	2214208
Ion	Ratio	Lower	Upper
99	100		
42	24.0	19.2	28.8
71	44.1	35.0	52.4



#21

Naphthalene-d8

Concen: 20.00 ng

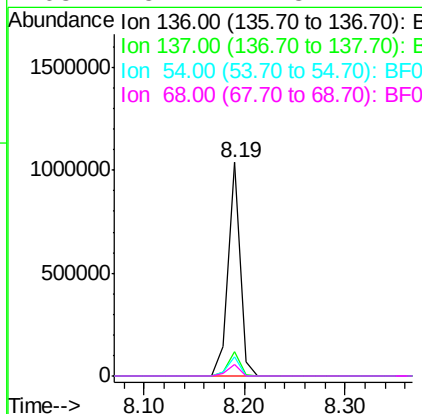
RT: 8.19 min Scan# 534

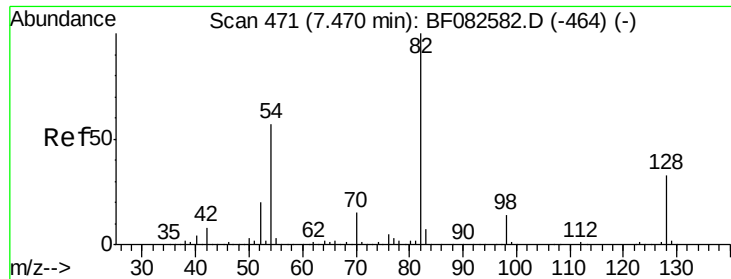
Delta R.T. -0.00 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

Tgt Ion:	136	Resp:	860632
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	9.1	9.1	13.7
68	5.7	4.8	7.2





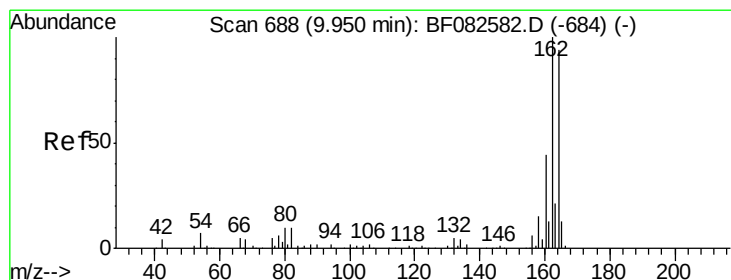
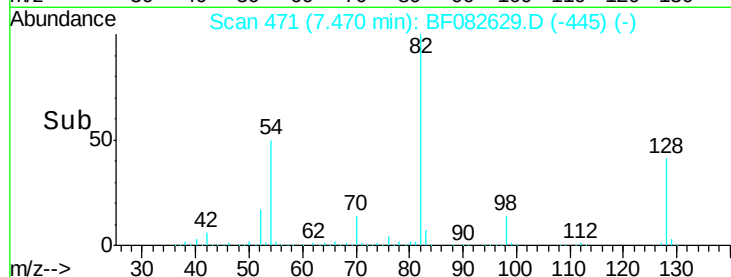
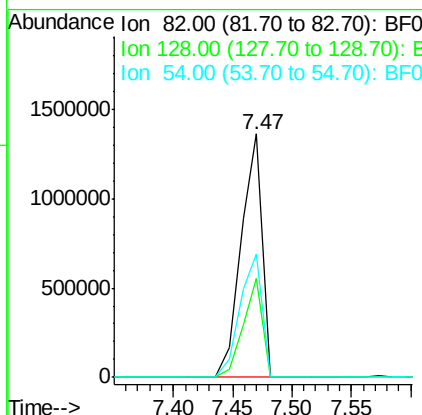
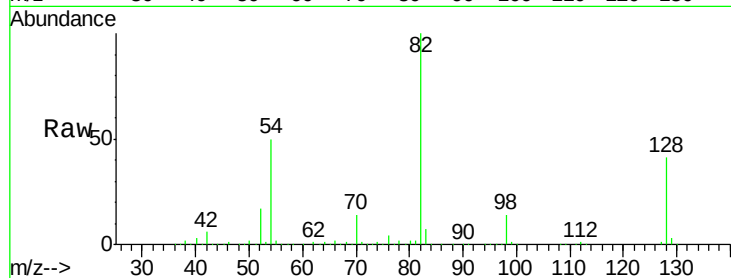
#23
 Nitrobenzene-d5
 Concen: 78.85 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF082629.D
 Acq: 31 Oct 2015 18:58

Instrument :
 BNA_F
 ClientSampleId :
 3W(0-2)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.9	26.8	40.2#
54	50.5	45.7	68.5

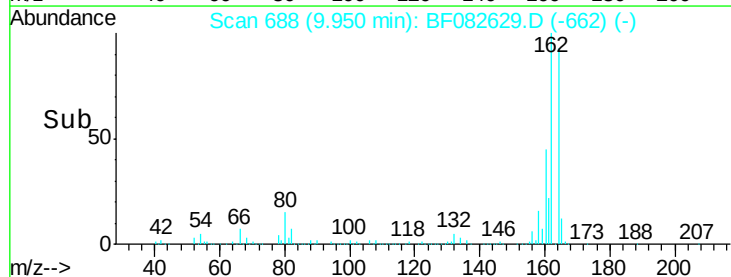
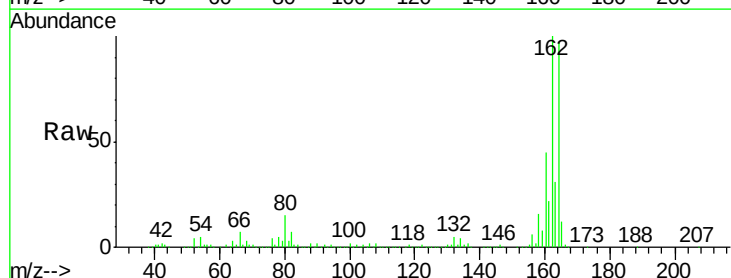
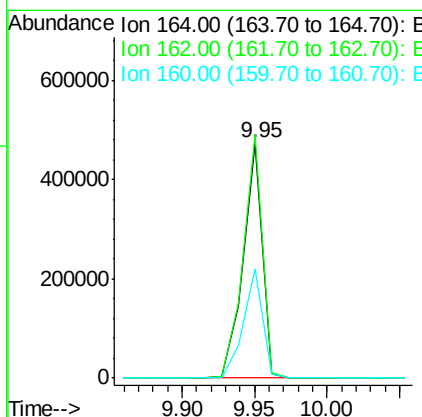
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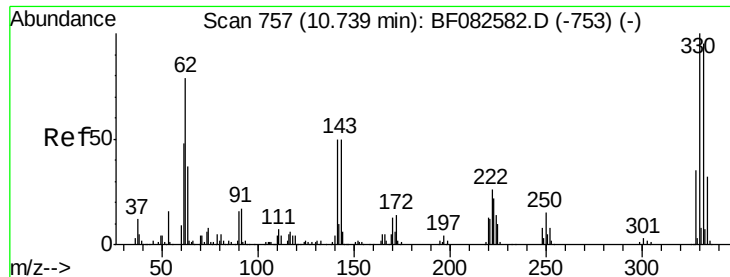
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: BF082629.D
 Acq: 31 Oct 2015 18:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	84.9	127.3
160	46.6	37.5	56.3





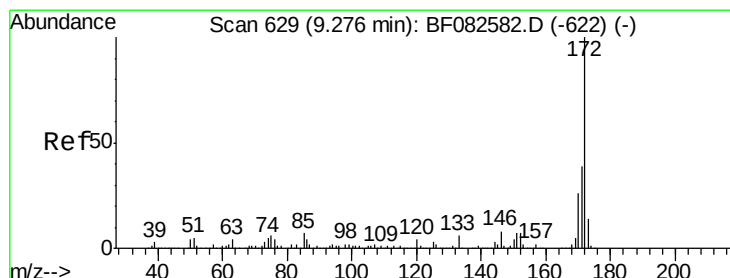
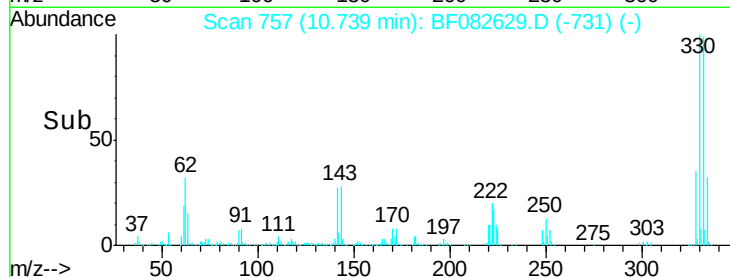
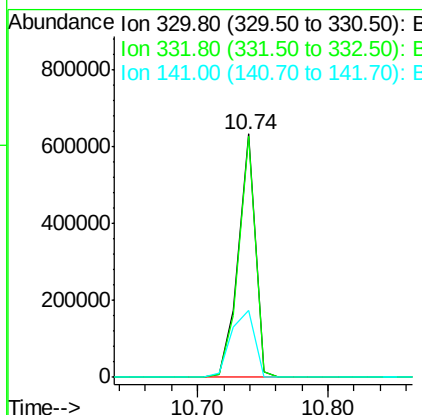
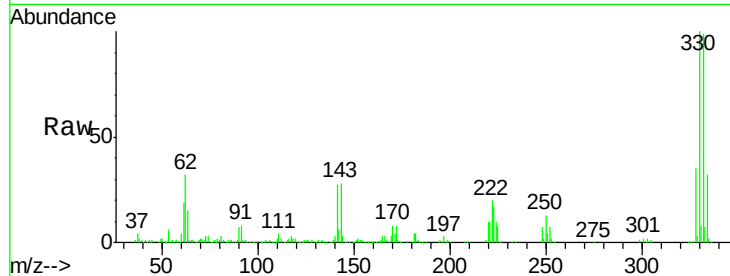
#41
 2,4,6-Tribromophenol
 Concen: 120.74 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BF082629.D
 Acq: 31 Oct 2015 18:58

Instrument :
 BNA_F
 ClientSampleId :
 3W(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	571076		
332	97.5	76.6	114.8	
141	38.1	41.2	61.8#	

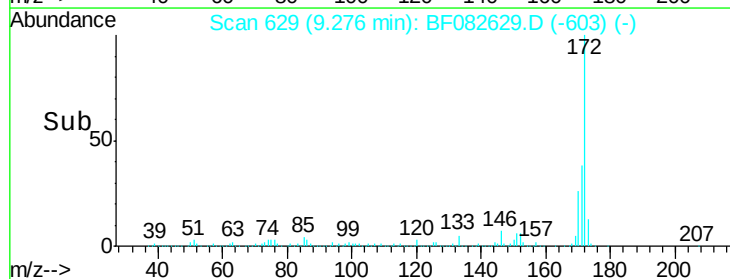
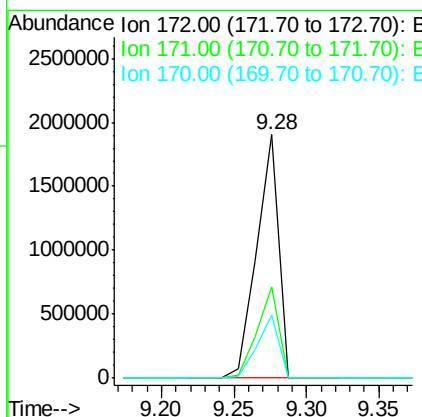
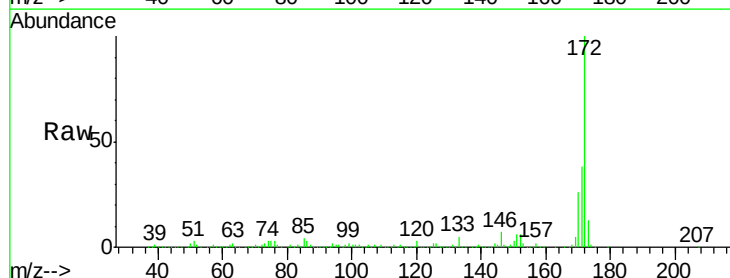
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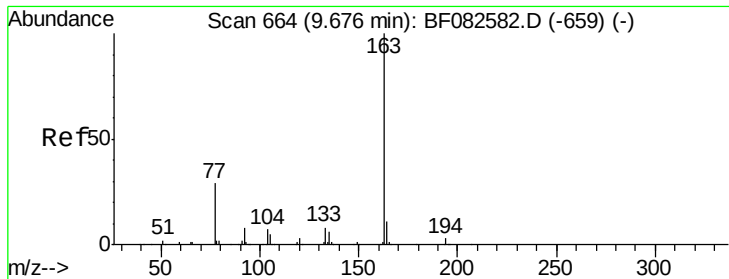
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 11/2/2015 4:32:42 PM



#44
 2-Fluorobiphenyl
 Concen: 65.48 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF082629.D
 Acq: 31 Oct 2015 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1993297		
171	37.6	30.8	46.2	
170	25.7	21.2	31.8	





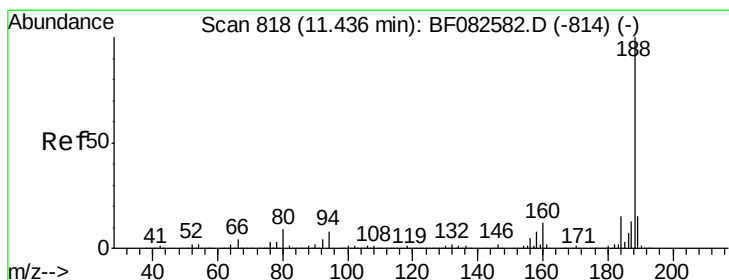
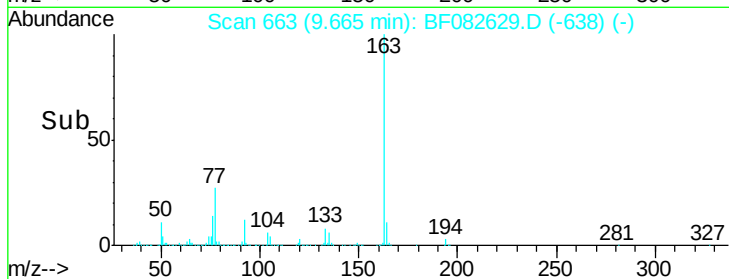
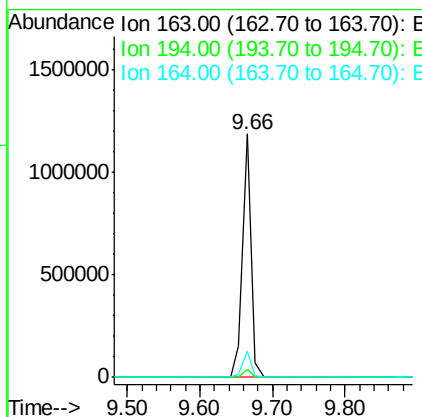
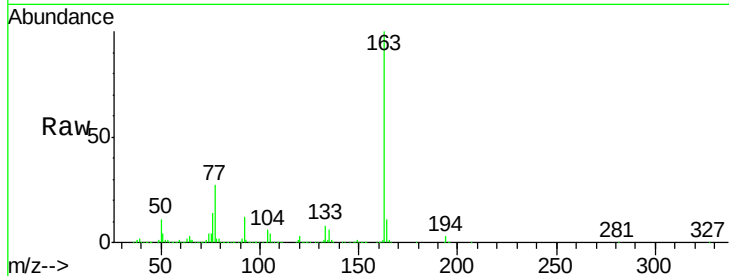
#49
Dimethylphthalate
Concen: 27.62 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF082629.D
Acq: 31 Oct 2015 18:58

Instrument :
BNA_F
ClientSampleId :
3W(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	974972		
194	3.5	2.6	4.0	
164	10.5	8.7	13.1	

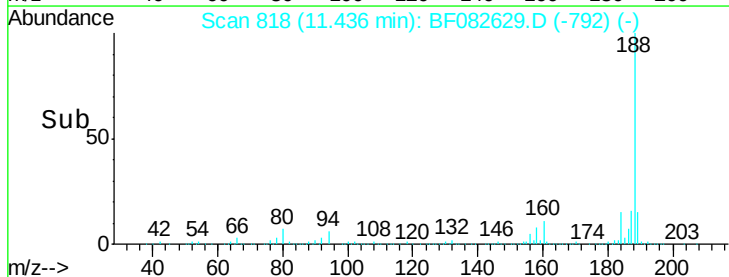
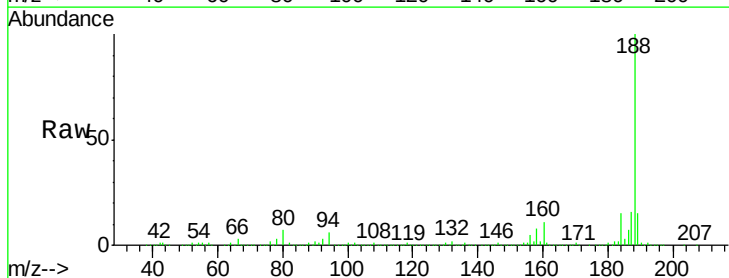
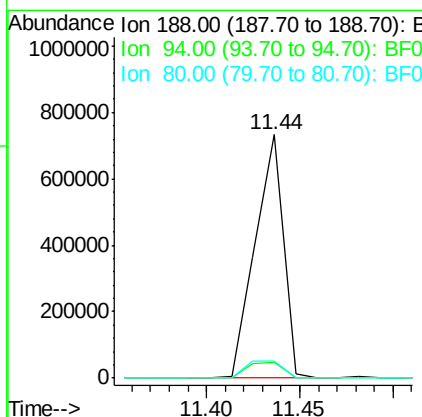
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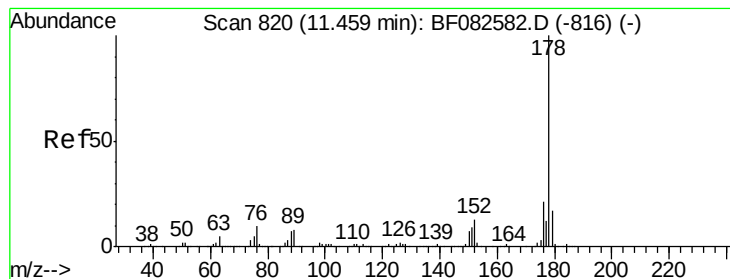
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF082629.D
Acq: 31 Oct 2015 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	767971		
94	6.2	6.1	9.1	
80	7.0	7.0	10.6	





#70

Phenanthrene

Concen: 17.87 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.00 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

Instrument :

BNA_F

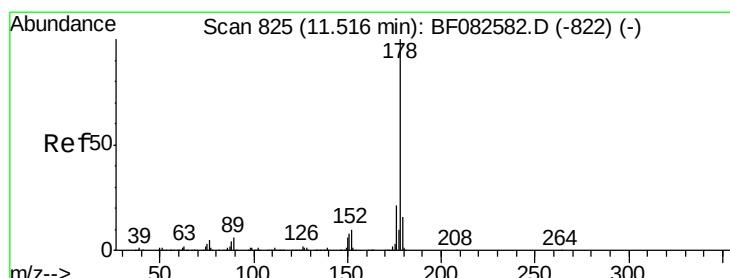
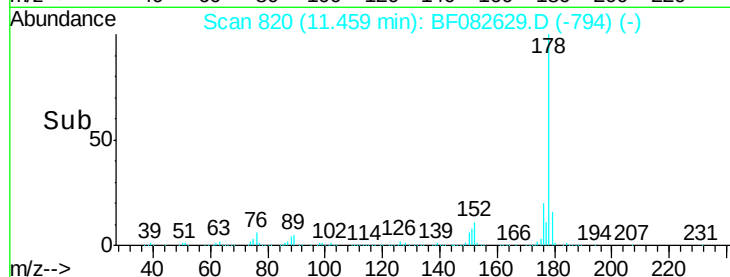
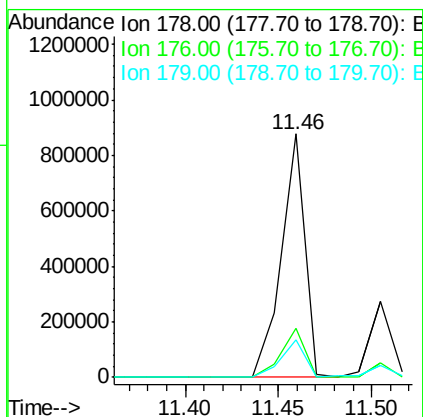
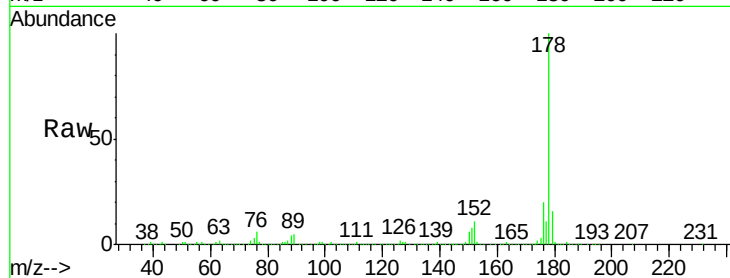
ClientSampleId :

3W(0-2)

Manual Integrations
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Tgt	Ion	Ratio	Lower	Upper
178	100			
176	20.0	17.0	25.4	
179	15.6	13.4	20.0	



#71

Anthracene

Concen: 5.04 ng

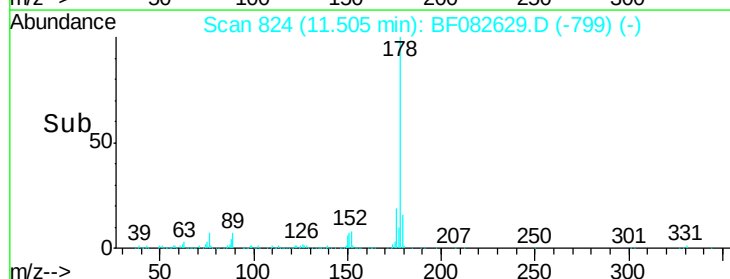
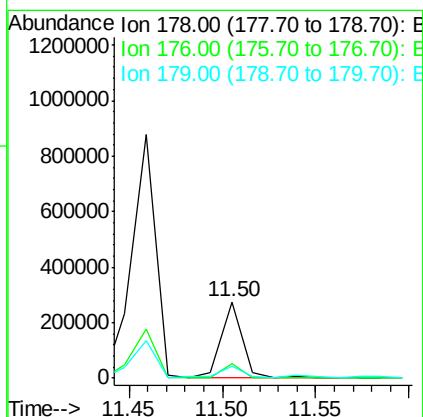
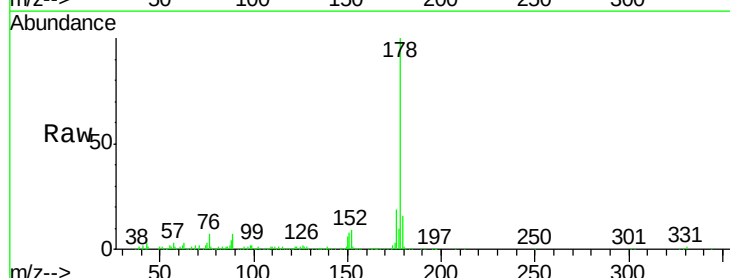
RT: 11.50 min Scan# 824

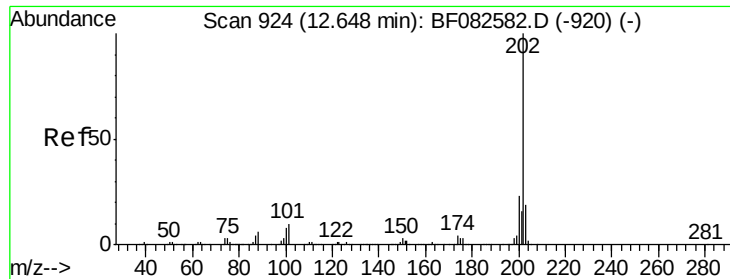
Delta R.T. -0.01 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

Tgt	Ion	Ratio	Lower	Upper
178	100			
176	18.7	16.5	24.7	
179	15.8	13.2	19.8	





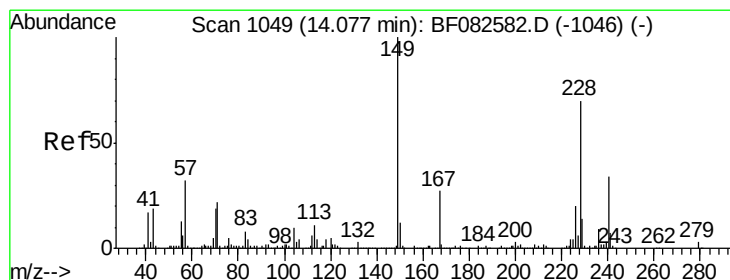
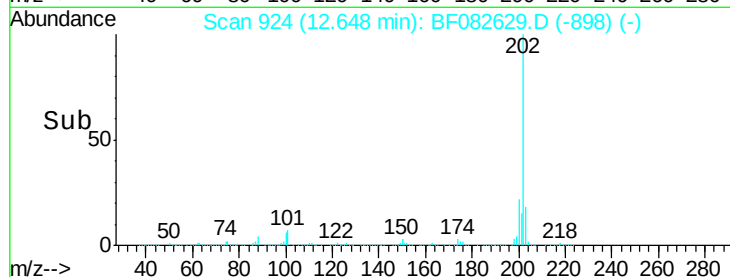
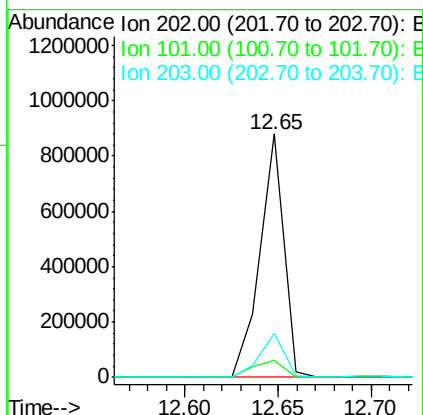
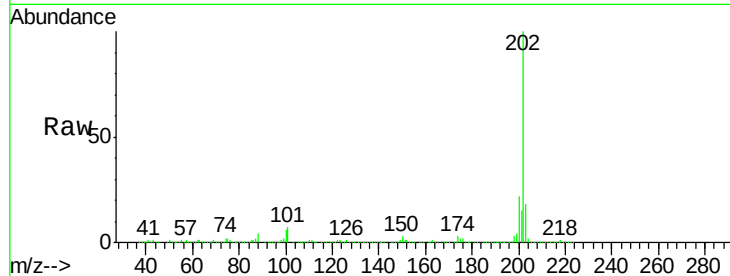
#74
Fluoranthene
Concen: 17.56 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.00 min
Lab File: BF082629.D
Acq: 31 Oct 2015 18:58

Instrument :
BNA_F
ClientSampleId :
3W(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.2	0.0	30.5
203	18.0	0.0	38.5

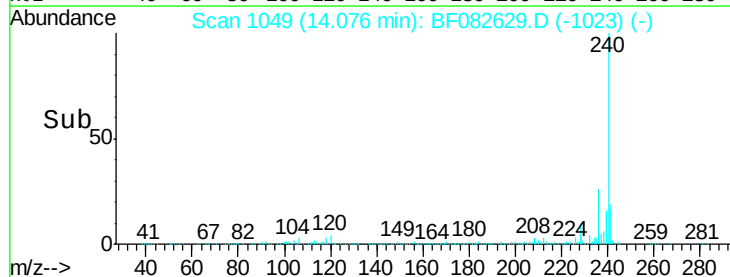
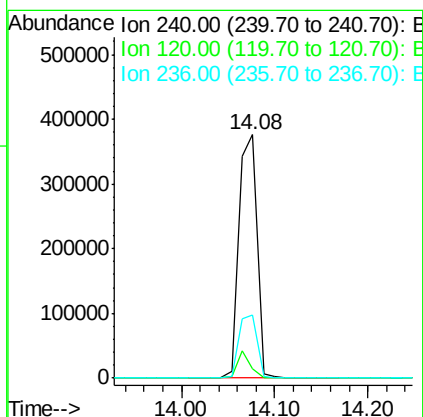
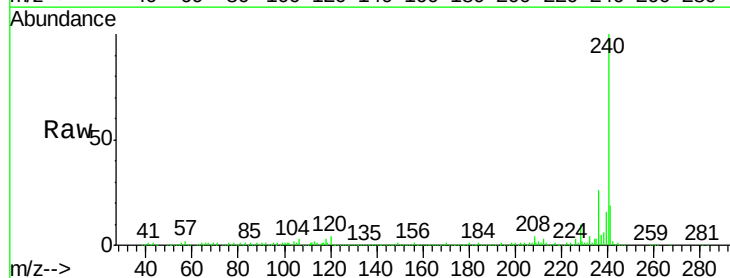
Manual Integrations
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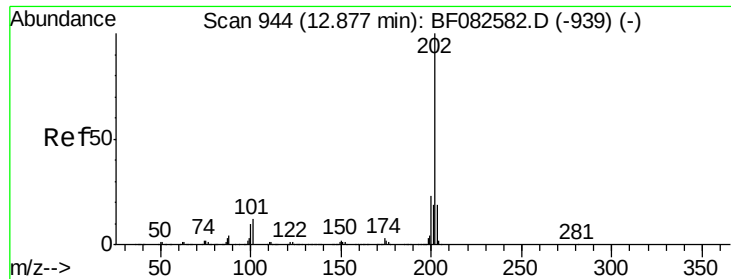
Mmdadoda
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF082629.D
Acq: 31 Oct 2015 18:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	3.9	10.9	16.3#
236	25.8	21.6	32.4





#77

Pyrene

Concen: 16.68 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

Instrument :

BNA_F

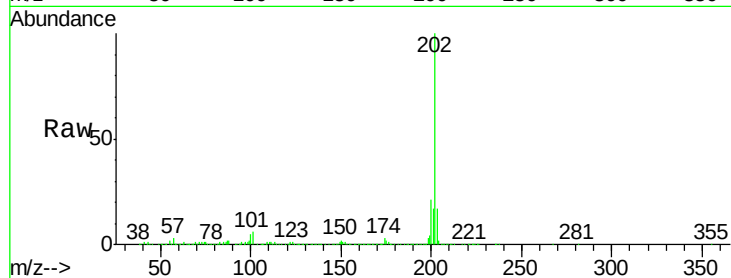
ClientSampleId :

3W(0-2)

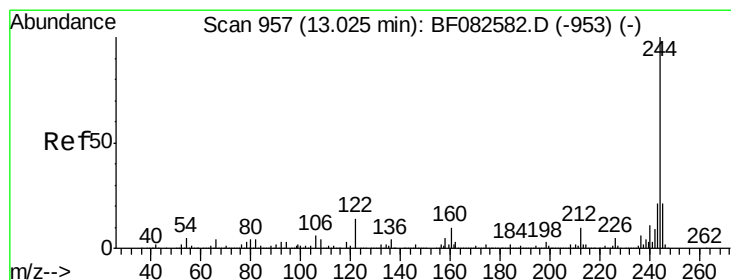
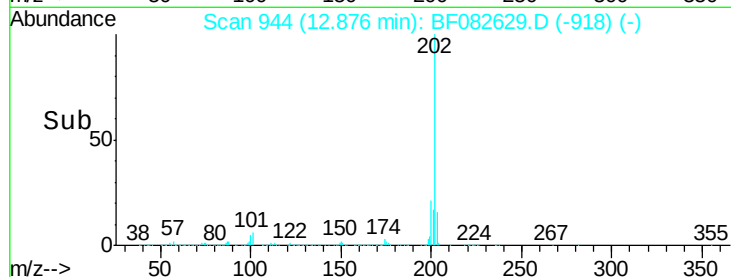
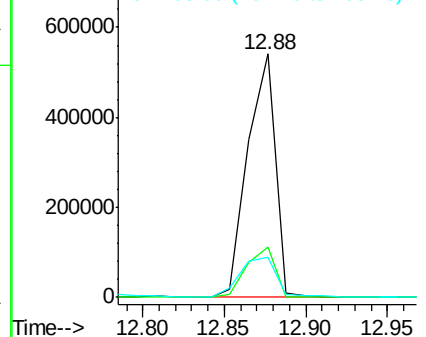
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Tgt	Ion	Ratio	Lower	Upper
202	100			
200	20.9	18.7	28.1	
203	16.6	14.8	22.2	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 68.79 ng

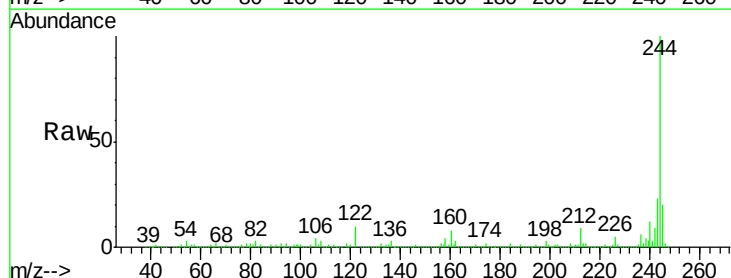
RT: 13.02 min Scan# 957

Delta R.T. -0.00 min

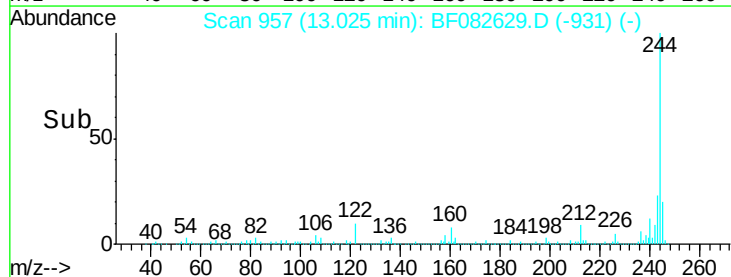
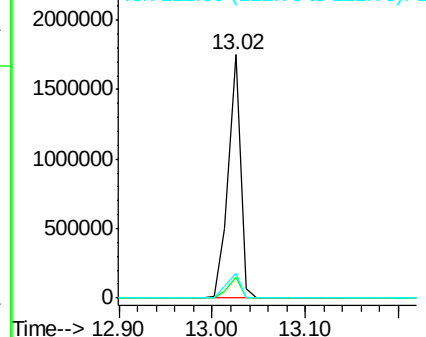
Lab File: BF082629.D

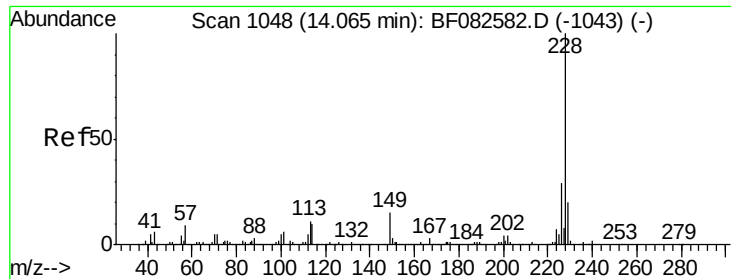
Acq: 31 Oct 2015 18:58

Tgt	Ion	Ratio	Lower	Upper
244	100			
212	8.7	7.6	11.4	
122	10.1	11.3	16.9	



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: 7.98 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

Instrument :

BNA_F

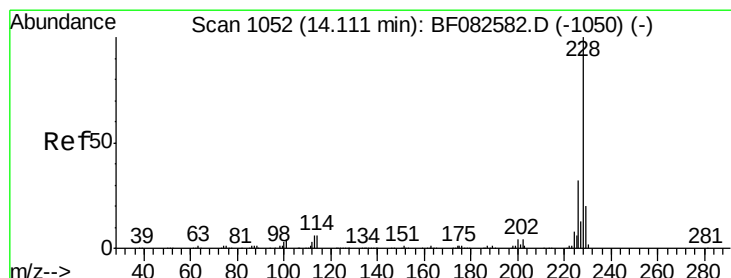
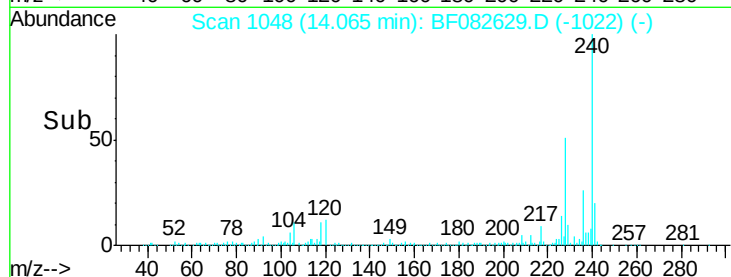
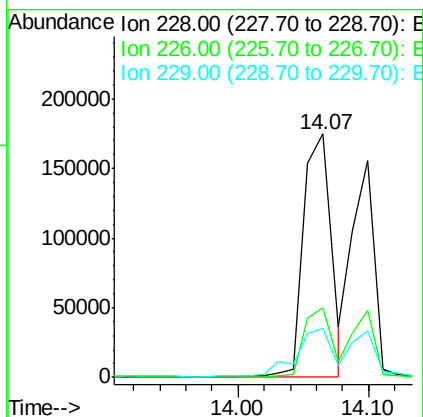
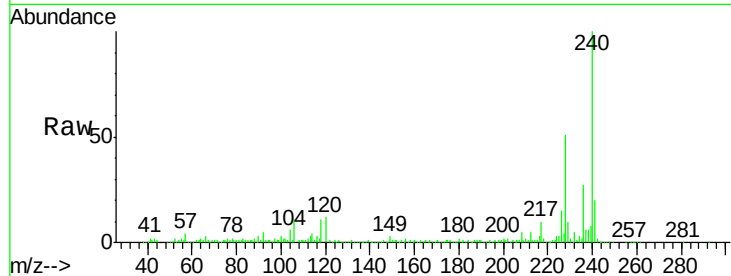
ClientSampleId :

3W(0-2)

Tgt Ion:	228	Resp:	259110
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.4	35.2
229	20.2	16.3	24.5

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#82

Chrysene

Concen: 6.32 ng m

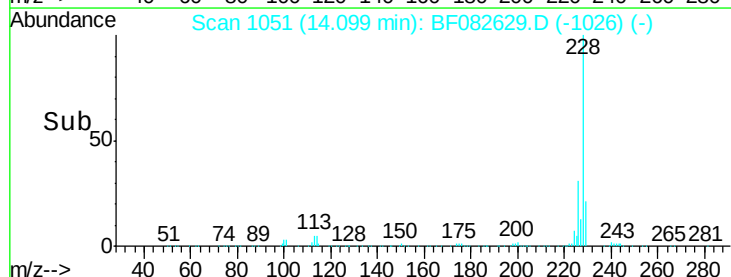
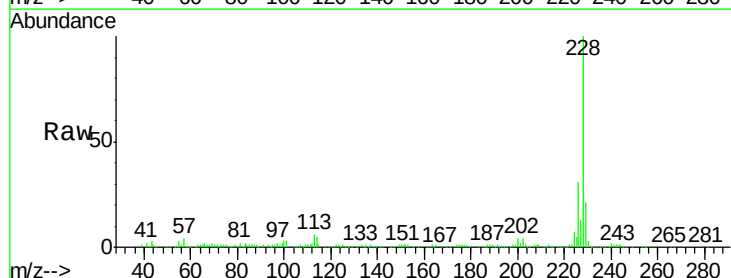
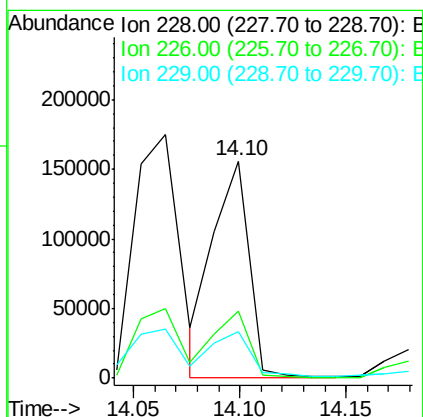
RT: 14.10 min Scan# 1051

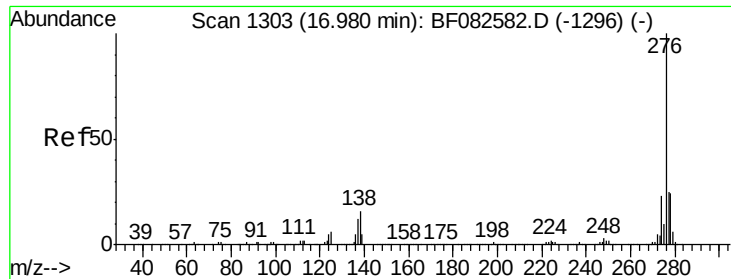
Delta R.T. -0.01 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

Tgt Ion:	228	Resp:	185824
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.5	38.3
229	21.5	16.3	24.5





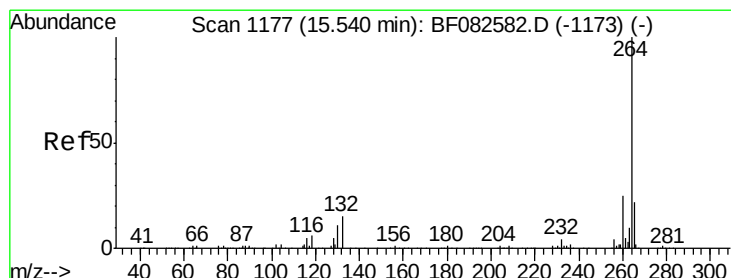
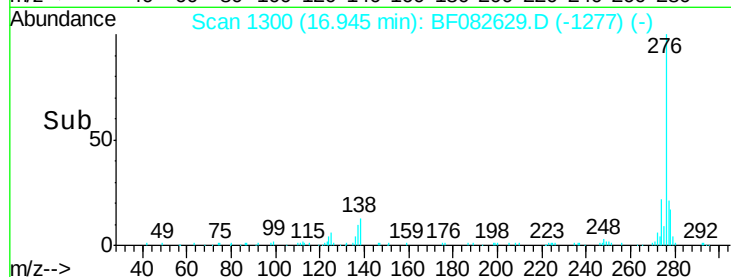
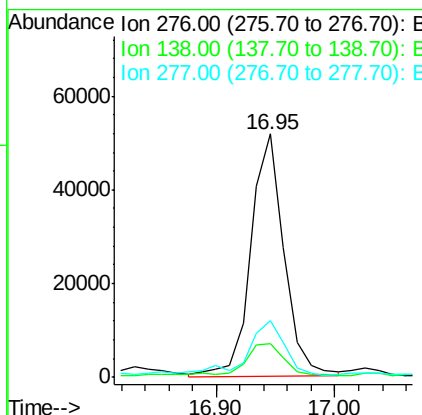
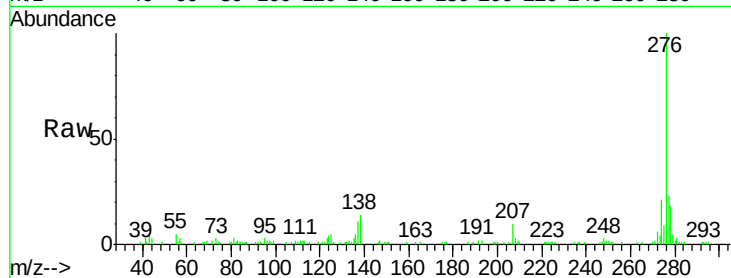
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.16 ng
 RT: 16.95 min Scan# 1300
 Delta R.T. -0.03 min
 Lab File: BF082629.D
 Acq: 31 Oct 2015 18:58

Instrument :
 BNA_F
 ClientSampleId :
 3W(0-2)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	15.3	22.9
277	29.6	20.2	30.4

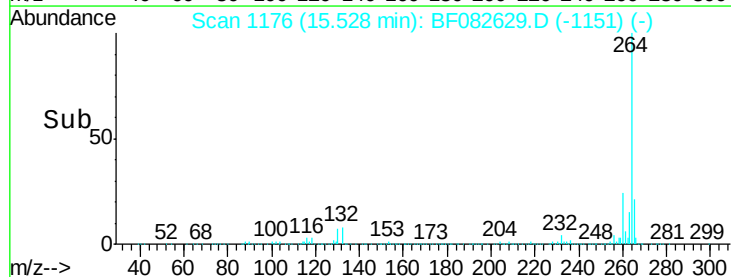
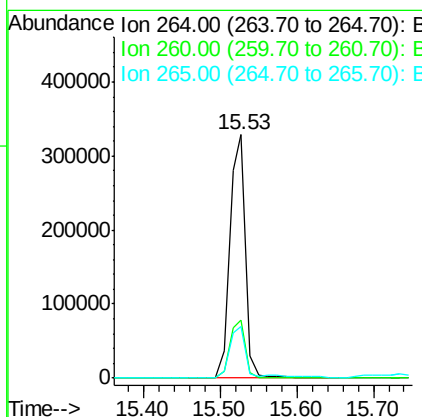
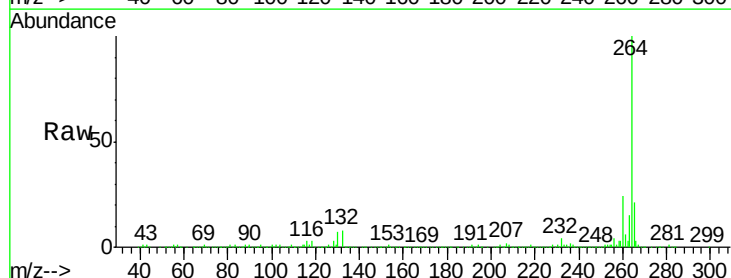
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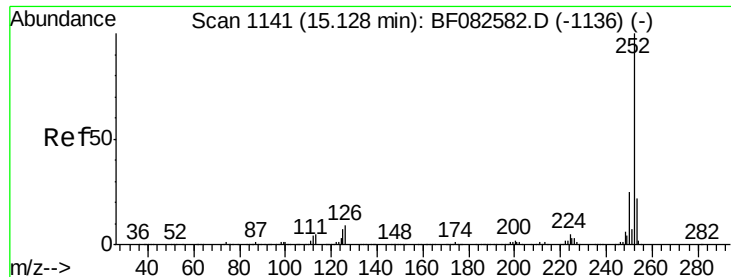
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF082629.D
 Acq: 31 Oct 2015 18:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.6
265	21.4	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 6.40 ng m

RT: 15.11 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BF082629.D

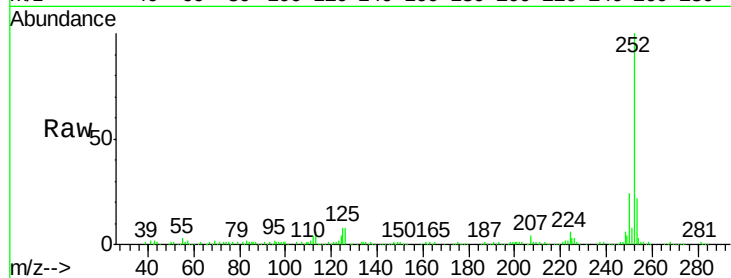
Acq: 31 Oct 2015 18:58

Instrument :

BNA_F

ClientSampleId :

3W(0-2)



Tgt Ion: 252 Resp: 209768

Ion Ratio Lower Upper

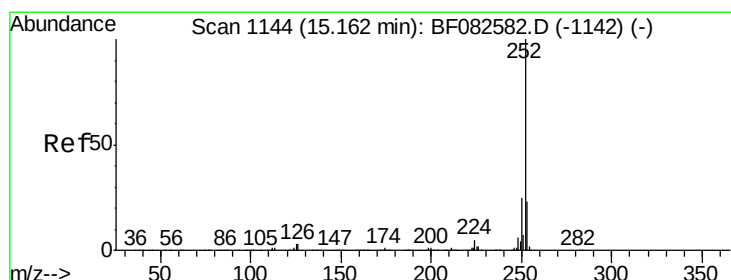
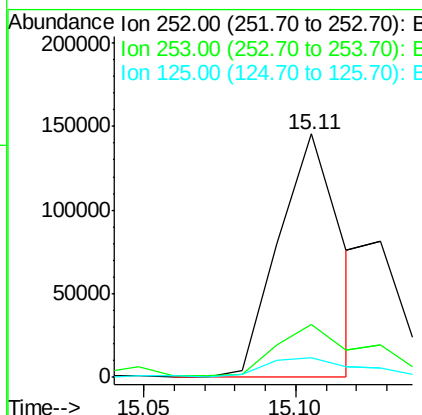
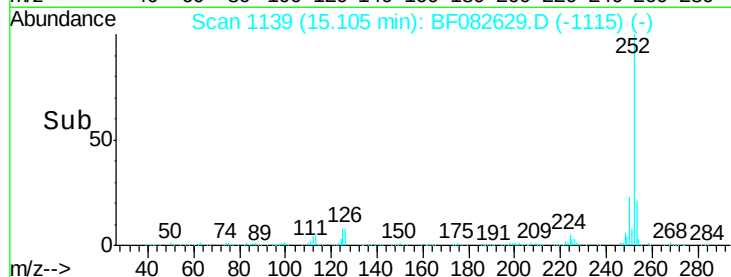
252 100

253 21.7 17.8 26.8

125 8.2 5.4 8.2#

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#88

Benzo(k)fluoranthene

Concen: 2.96 ng m

RT: 15.13 min Scan# 1141

Delta R.T. -0.03 min

Lab File: BF082629.D

Acq: 31 Oct 2015 18:58

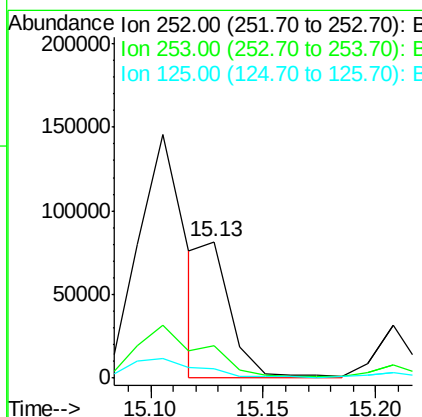
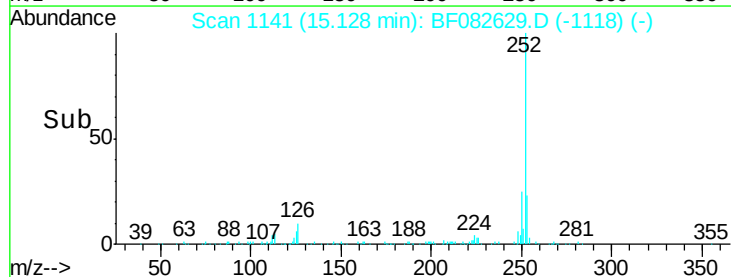
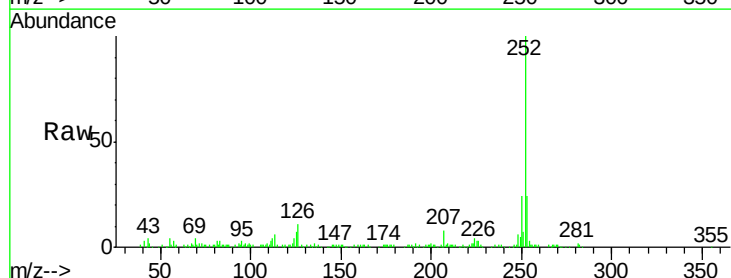
Tgt Ion: 252 Resp: 73780

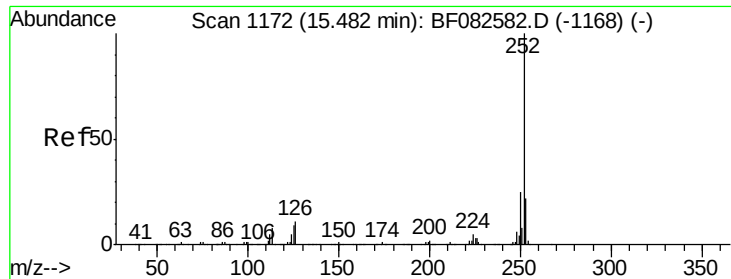
Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

125 6.8 3.5 5.3#





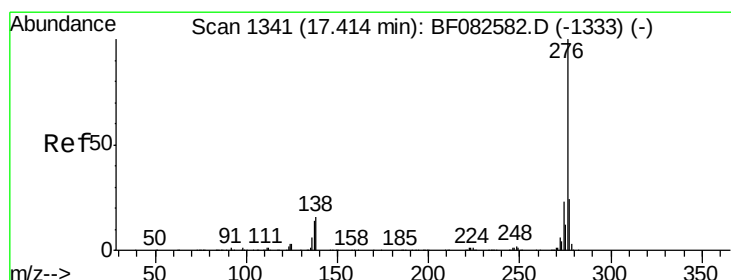
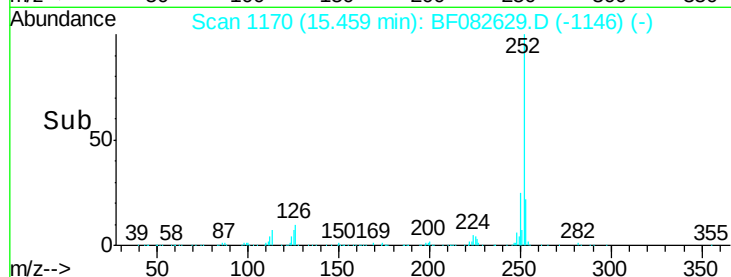
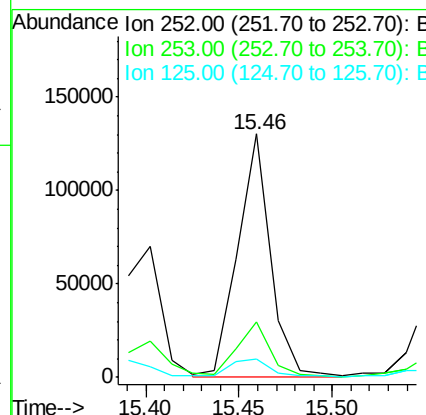
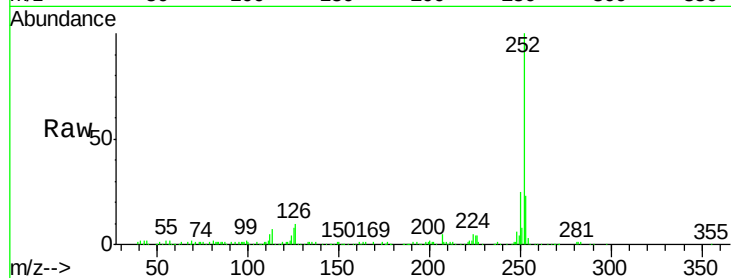
#89
Benzo(a)pyrene
Concen: 6.17 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF082629.D
Acq: 31 Oct 2015 18:58

Instrument :
BNA_F
ClientSampleId :
3W(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	159189		
253	22.6	17.3	25.9	
125	7.8	7.1	10.7	

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#91
Benzo(g,h,i)perylene
Concen: 4.04 ng
RT: 17.37 min Scan# 1337
Delta R.T. -0.05 min
Lab File: BF082629.D
Acq: 31 Oct 2015 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	94137		
277	24.4	19.2	28.8	
138	18.1	13.1	19.7	

