

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083029.D
 Acq On : 19 Nov 2015 1:20
 Operator : UM/IZ
 Sample : G4440-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V1S3

Manual Integrations
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 11/19/2015 6:44:53 PM

Quant Time: Nov 19 12:59:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	110189m	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	450700	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	204333	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	324761	20.00	ng	0.00
75) Chrysene-d12	13.88	240	274749	20.00	ng	-0.01
86) Perylene-d12	15.28	264	226876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	218954	30.92	ng	0.00
7) Phenol-d6	6.38	99	302271	32.11	ng	-0.01
23) Nitrobenzene-d5	7.29	82	165960	16.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	48046	20.51	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	291341	20.44	ng	-0.01
78) Terphenyl-d14	12.83	244	221016	19.08	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.49	163	65905	3.94	ng	99
70) Phenanthrene	11.28	178	343872	18.23	ng	95
71) Anthracene	11.32	178	88952	4.48	ng	96
72) Carbazole	11.48	167	40125	2.31	ng	96
74) Fluoranthene	12.46	202	688765	34.03	ng	93
77) Pyrene	12.68	202	534492	28.33	ng	97
80) Benzo(a)anthracene	13.87	228	258632	15.05	ng	100
82) Chrysene	13.91	228	308641	19.61	ng	97
83) Bis(2-ethylhexyl)phthalate	13.88	149	90258	7.91	ng	97
85) Indeno(1,2,3-cd)pyrene	16.58	276	117533	8.67	ng	97
87) Benzo(b)fluoranthene	14.89	252	329224m	22.61	ng	
88) Benzo(k)fluoranthene	14.91	252	99815m	7.73	ng	
89) Benzo(a)pyrene	15.22	252	191266	15.16	ng	96
90) Dibenzo(a,h)anthracene	16.59	278	30019	2.81	ng	# 85
91) Benzo(g,h,i)perylene	16.98	276	102719	10.04	ng	97

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

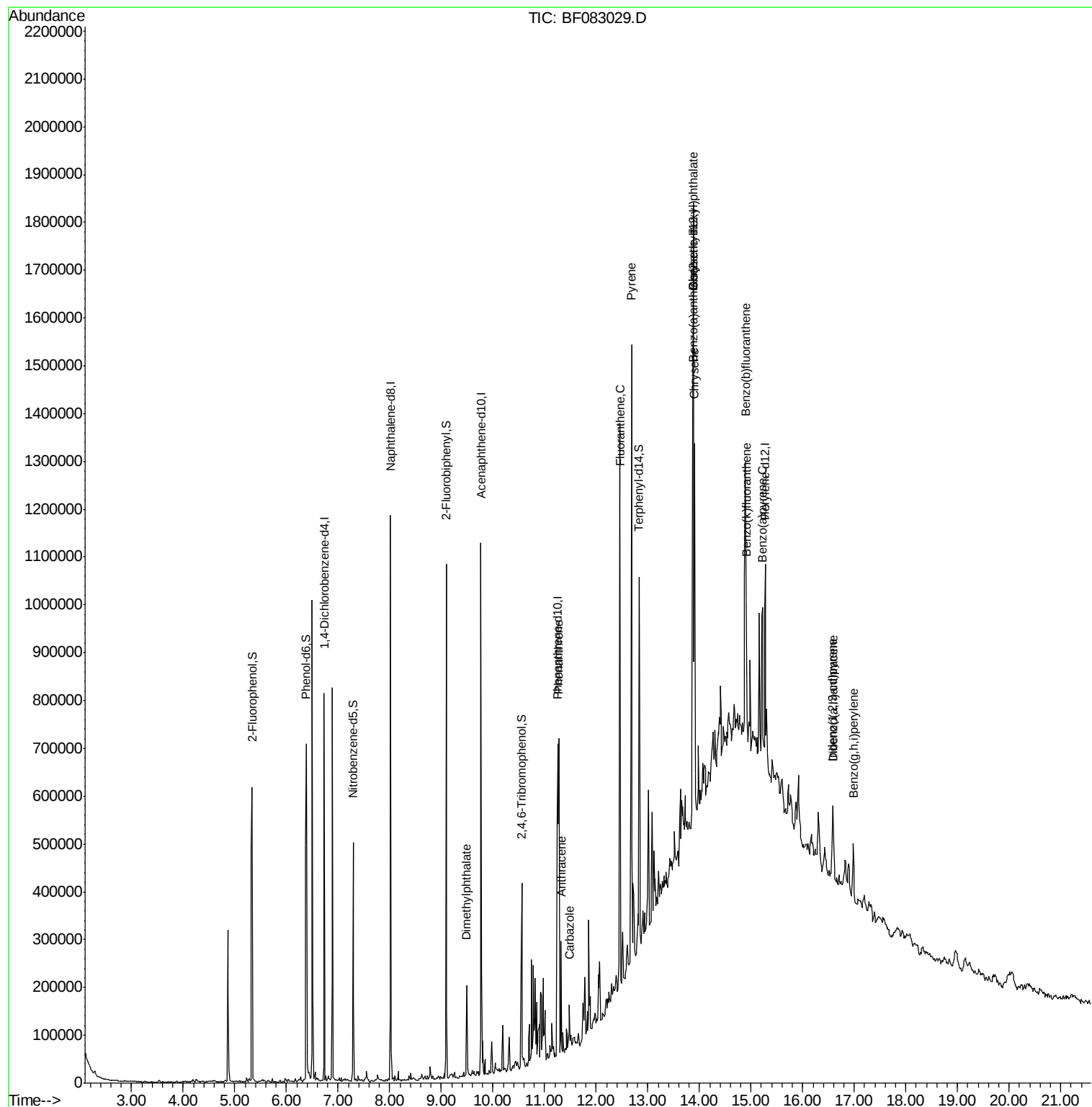
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083029.D
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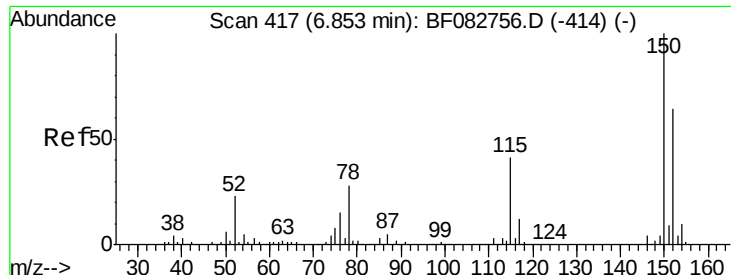
Instrument :
BNA_F
ClientSampleId :
V1S3

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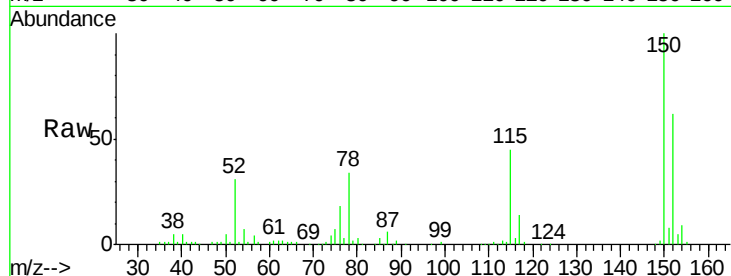
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 6.73 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: BF083029.D
 Acq: 19 Nov 2015 1:20

Instrument :
 BNA_F
 ClientSampled :
 V1S3

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	110189		
150	161.0	127.0	190.4	
115	72.4	47.0	70.6#	

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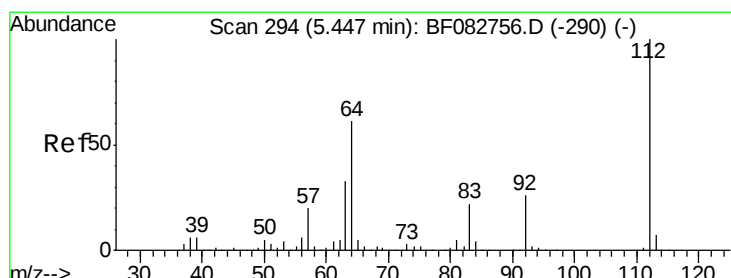
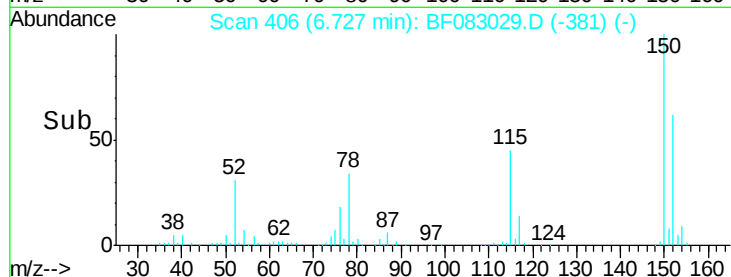
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

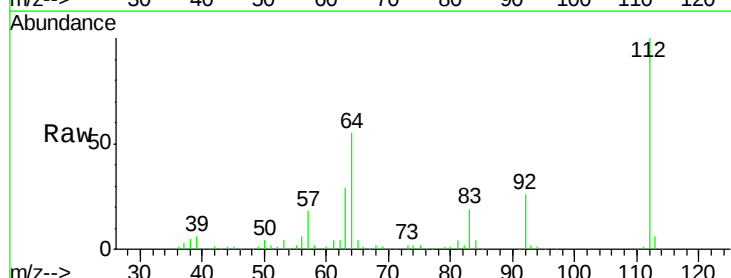
Ion 115.00 (114.70 to 115.70): E

Time-->



#5
 2-Fluorophenol
 Concen: 30.92 ng
 RT: 5.33 min Scan# 284
 Delta R.T. -0.00 min
 Lab File: BF083029.D
 Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	218954		
64	55.0	48.9	73.3	
63	28.7	28.1	42.1	



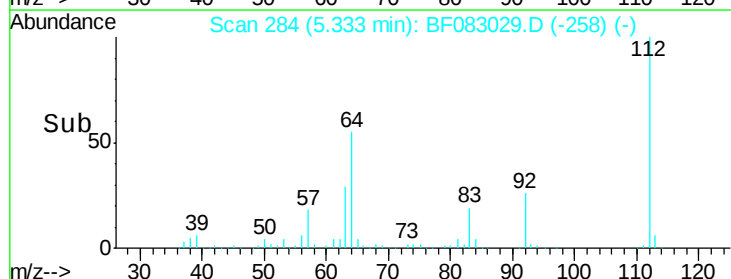
Abundance

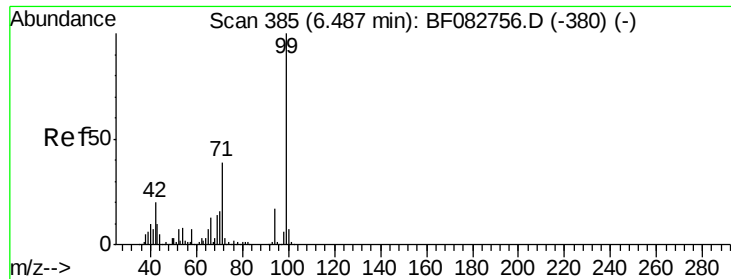
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 32.11 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF083029.D

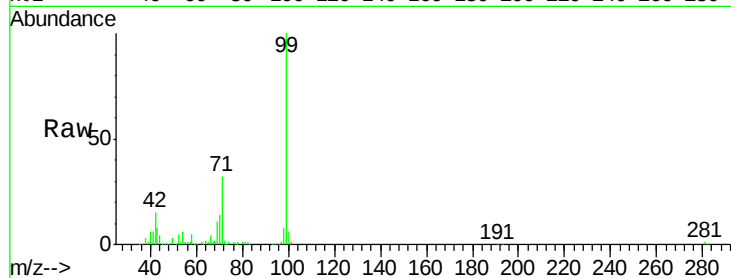
Acq: 19 Nov 2015 1:20

Instrument :

BNA_F

ClientSampleId :

V1S3



Tgt Ion: 99 Resp: 302271

Ion Ratio Lower Upper

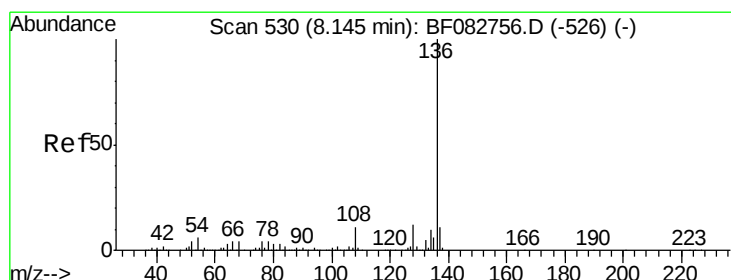
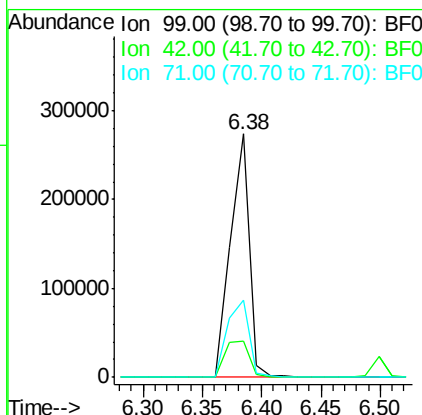
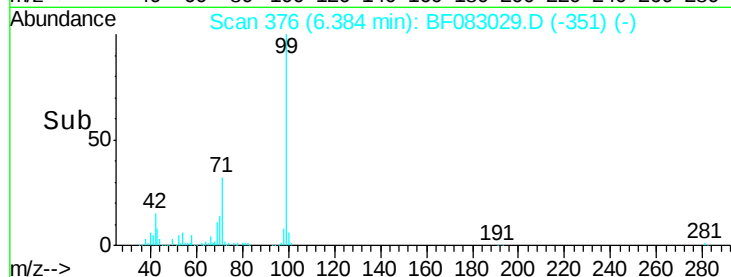
99 100

42 15.1 19.2 28.8#

71 31.6 35.0 52.4#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

Tgt Ion: 136 Resp: 450700

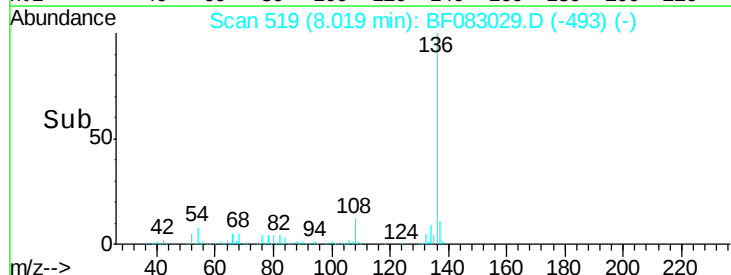
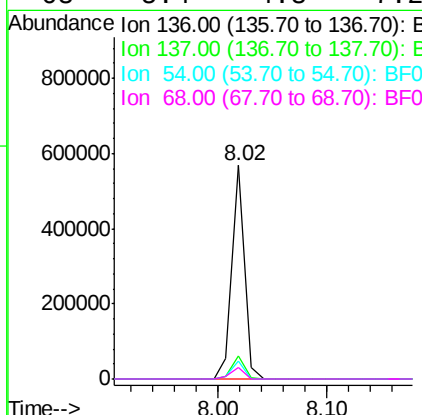
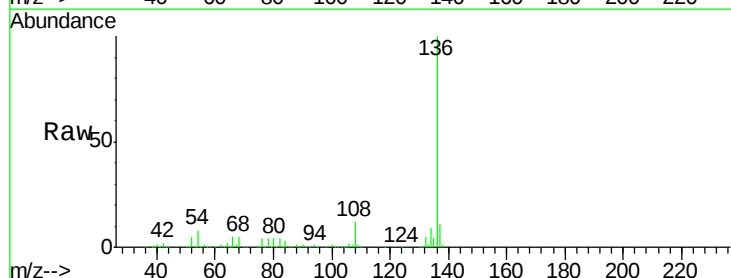
Ion Ratio Lower Upper

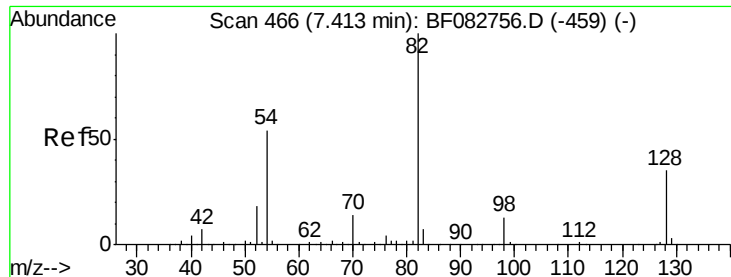
136 100

137 11.0 9.1 13.7

54 8.3 9.1 13.7#

68 5.4 4.8 7.2





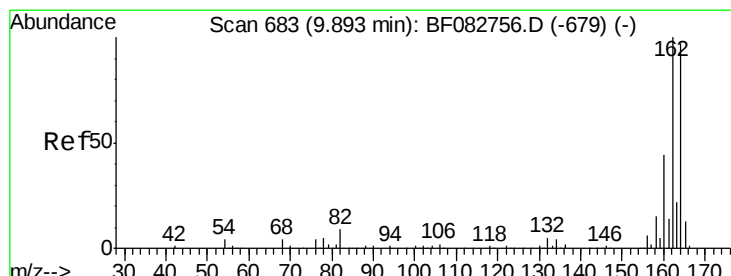
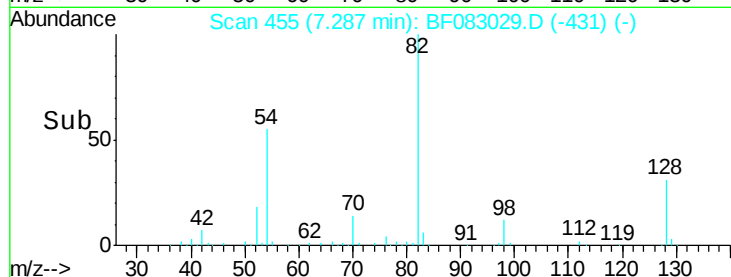
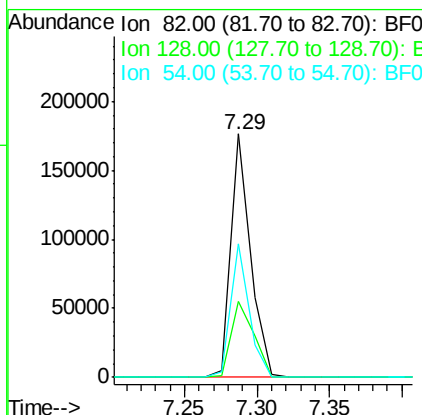
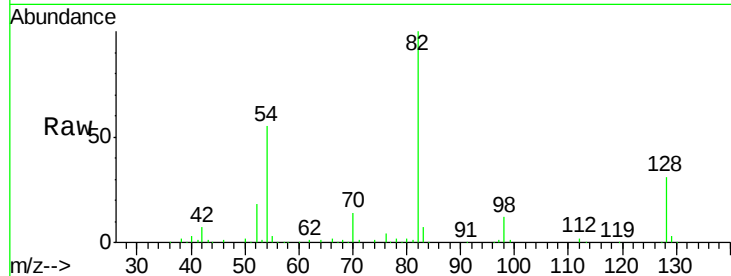
#23
 Nitrobenzene-d5
 Concen: 16.02 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: BF083029.D
 Acq: 19 Nov 2015 1:20

Instrument :
 BNA_F
 ClientSampleId :
 V1S3

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	31.1	26.8	40.2
54	54.6	45.7	68.5

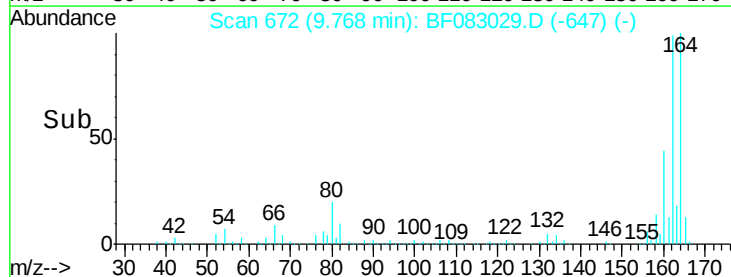
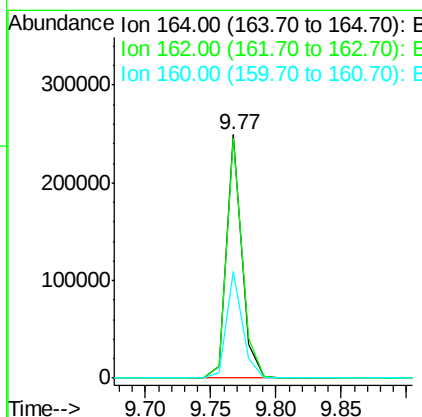
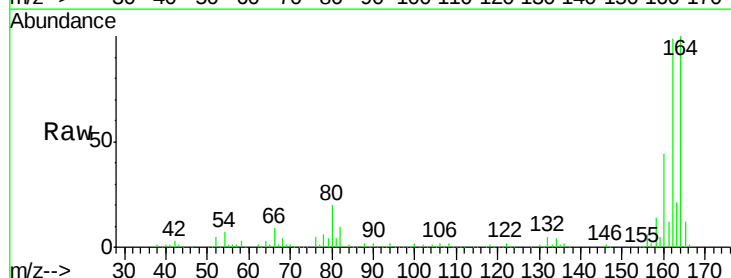
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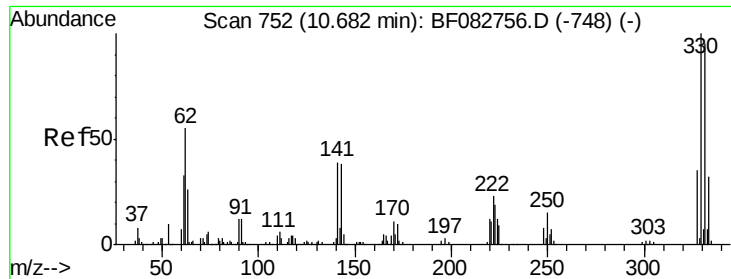
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF083029.D
 Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	98.7	84.9	127.3
160	43.9	37.5	56.3





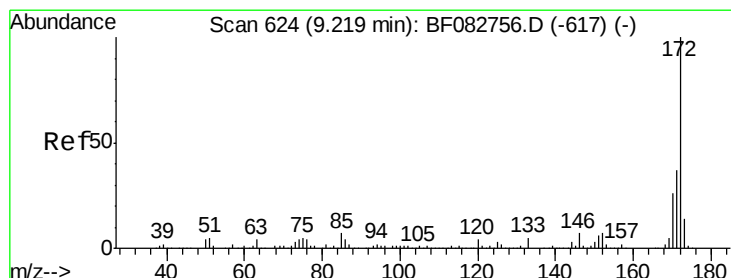
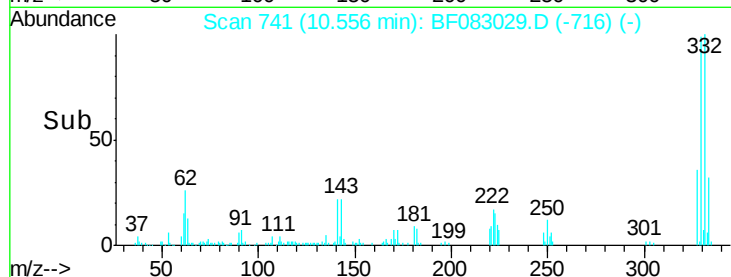
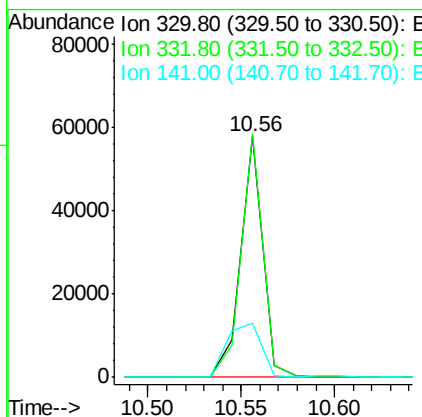
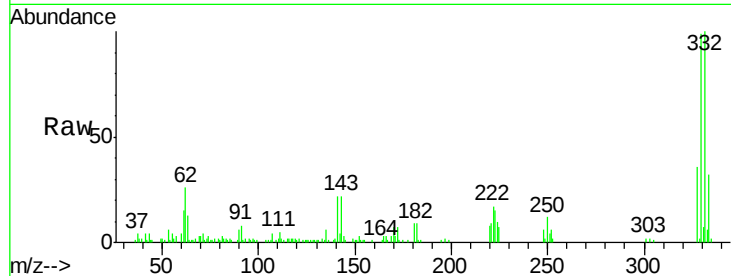
#41
 2,4,6-Tribromophenol
 Concen: 20.51 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF083029.D
 Acq: 19 Nov 2015 1:20

Instrument :
 BNA_F
 ClientSampleId :
 V1S3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	48046		
332	99.4	76.6	114.8	
141	35.1	41.2	61.8#	

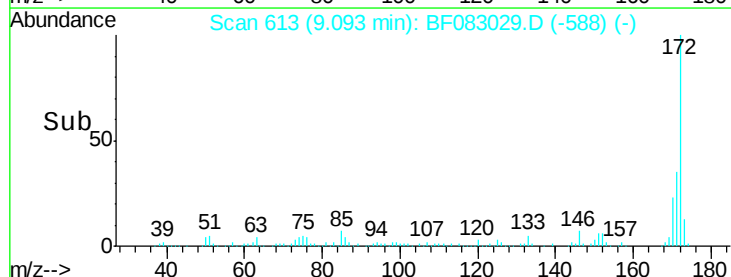
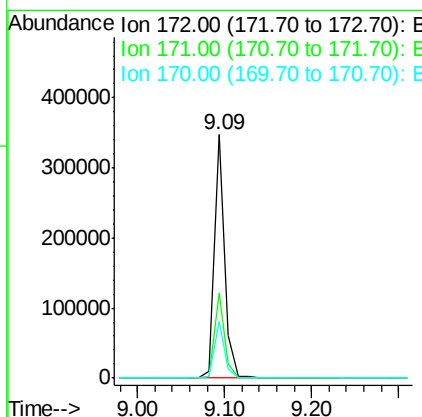
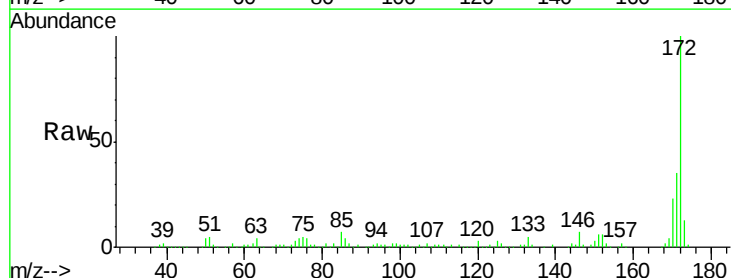
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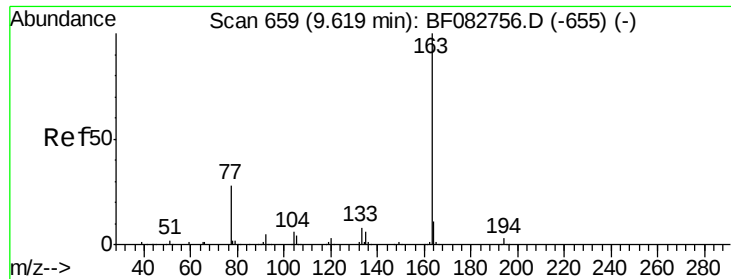
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#44
 2-Fluorobiphenyl
 Concen: 20.44 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083029.D
 Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	291341		
171	34.8	30.8	46.2	
170	23.3	21.2	31.8	





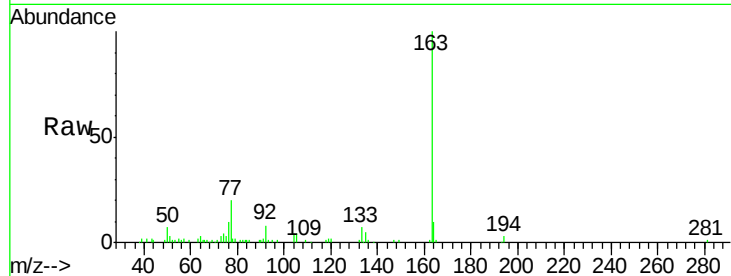
#49
Dimethylphthalate
Concen: 3.94 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083029.D
Acq: 19 Nov 2015 1:20

Instrument :
BNA_F
ClientSampleId :
V1S3

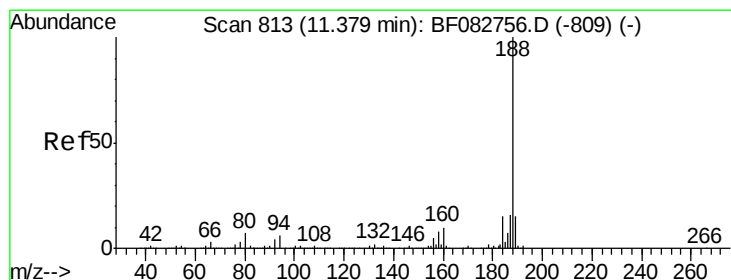
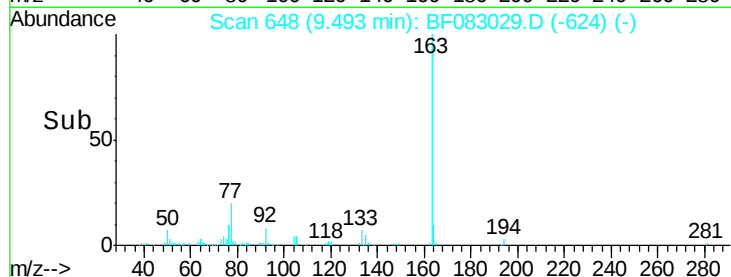
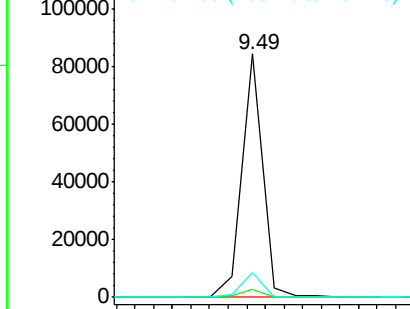
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	2.6	4.0
164	10.3	8.7	13.1

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11/19/2015 6:44:53 PM

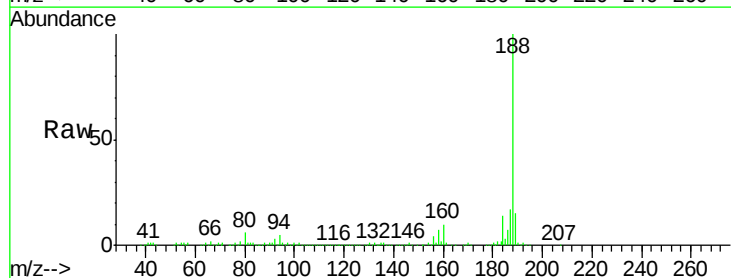


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

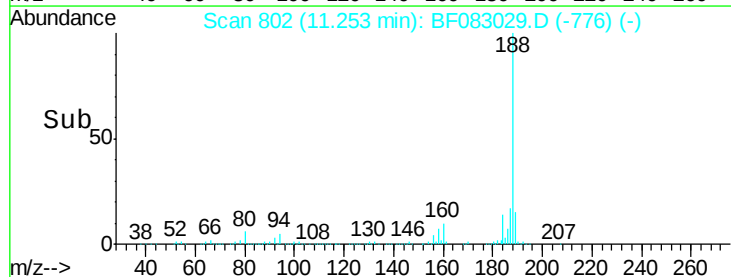
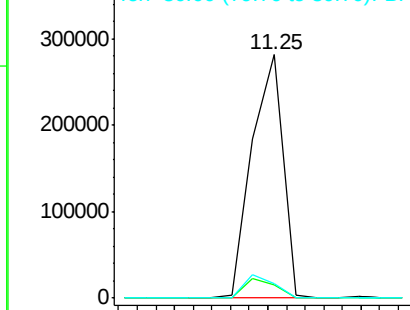


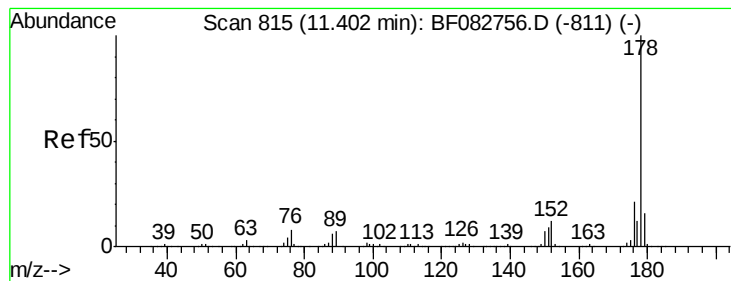
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF083029.D
Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.4	6.1	9.1#
80	6.0	7.0	10.6#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 18.23 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

Instrument :

BNA_F

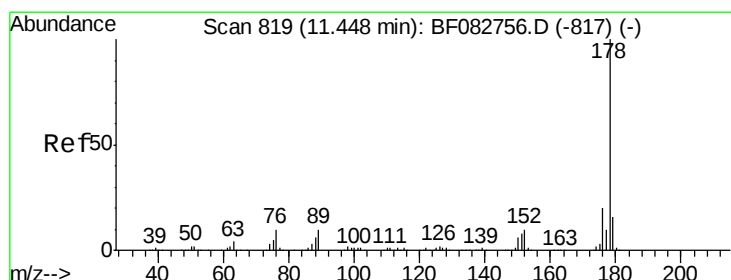
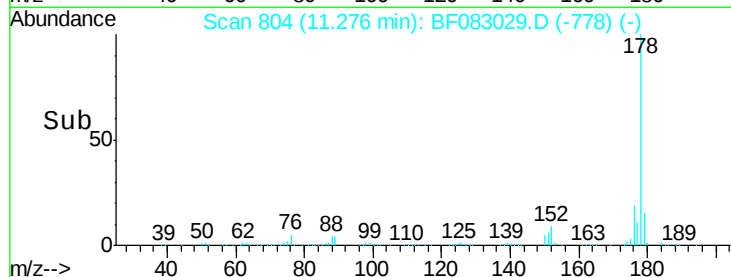
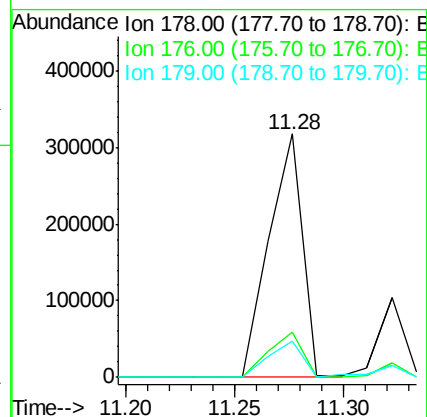
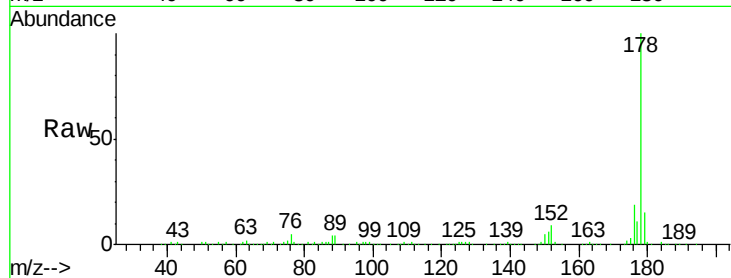
ClientSampleId :

V1S3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	17.0	25.4
179	14.7	13.4	20.0

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#71

Anthracene

Concen: 4.48 ng

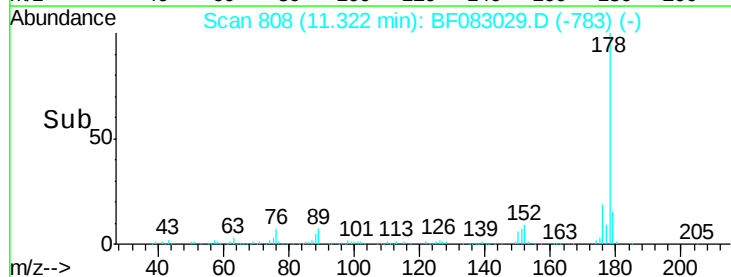
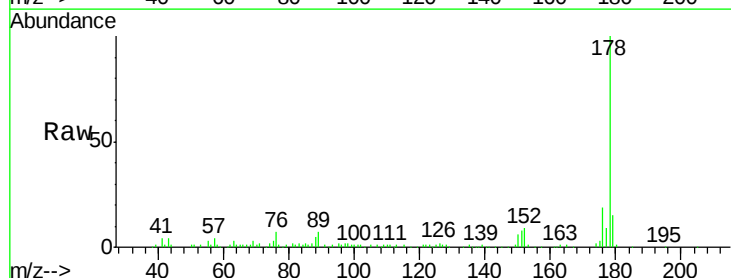
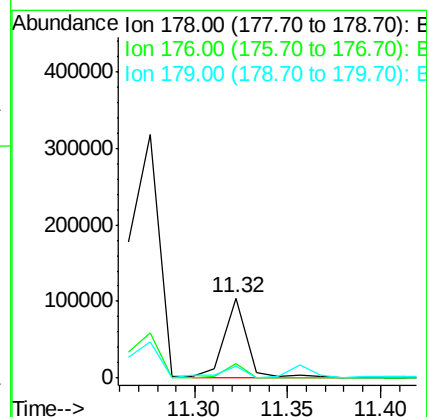
RT: 11.32 min Scan# 808

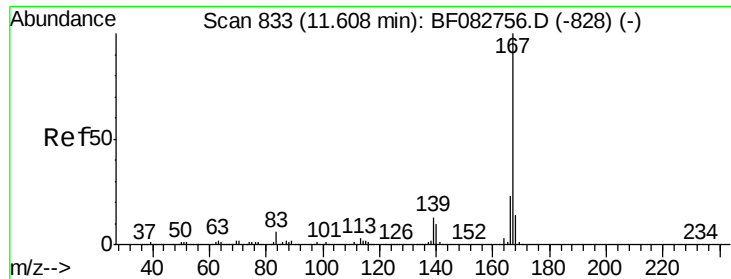
Delta R.T. -0.01 min

Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.5	24.7
179	15.4	13.2	19.8





#72

Carbazole

Concen: 2.31 ng

RT: 11.48 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

Instrument :

BNA_F

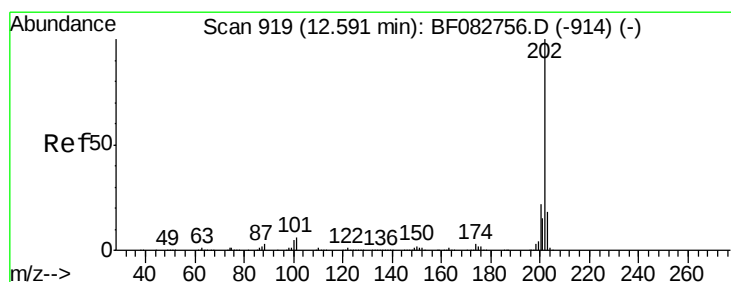
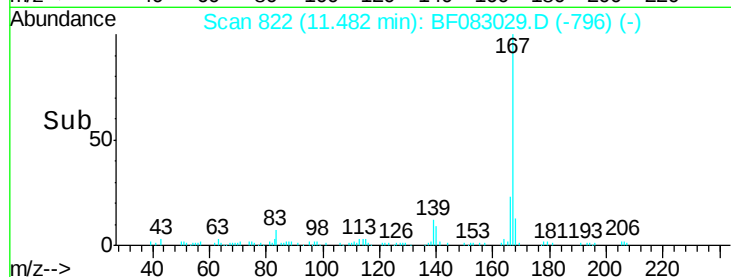
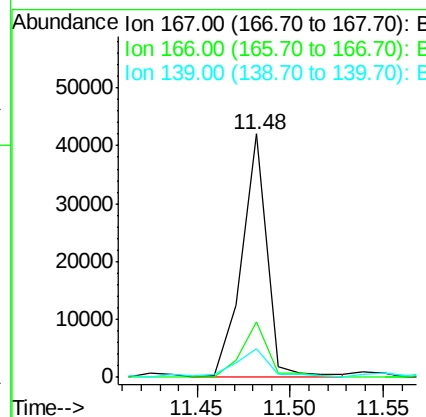
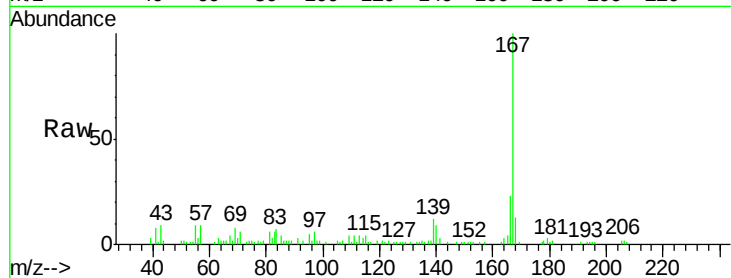
ClientSampleId :

V1S3

Manual Integrations
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11/19/2015 6:44:53 PM

Tgt Ion:	167	Resp:	40125
Ion Ratio	Lower	Upper	
167	100		
166	22.6	18.7	28.1
139	11.8	11.8	17.6



#74

Fluoranthene

Concen: 34.03 ng

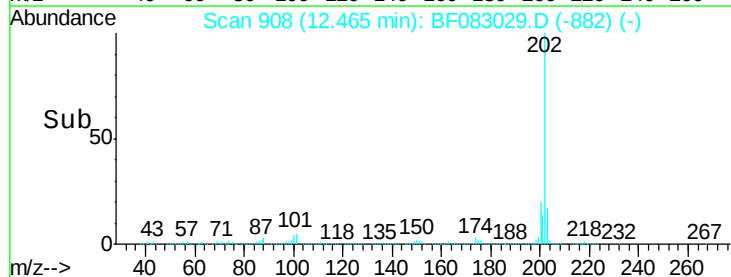
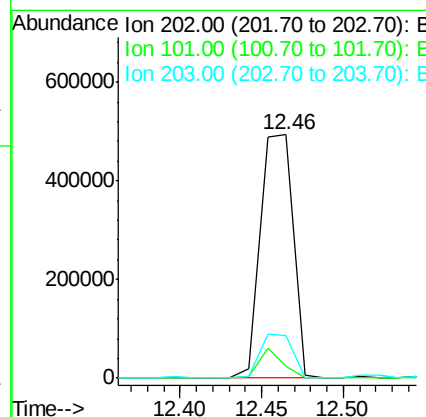
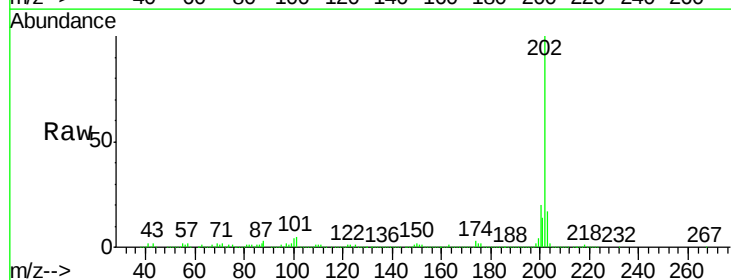
RT: 12.46 min Scan# 908

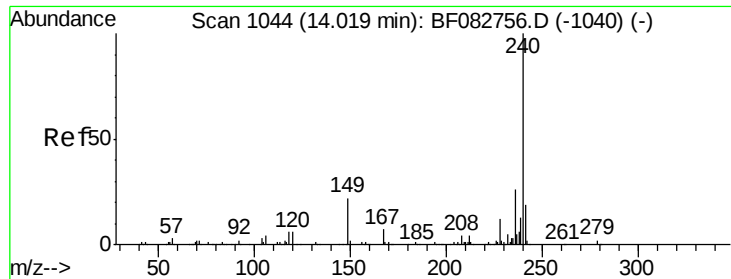
Delta R.T. -0.00 min

Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

Tgt Ion:	202	Resp:	688765
Ion Ratio	Lower	Upper	
202	100		
101	4.8	0.0	30.5
203	17.3	0.0	38.5





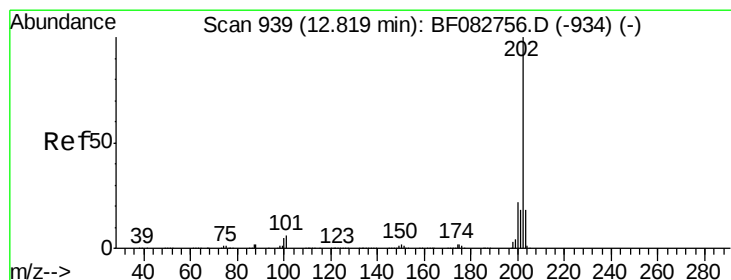
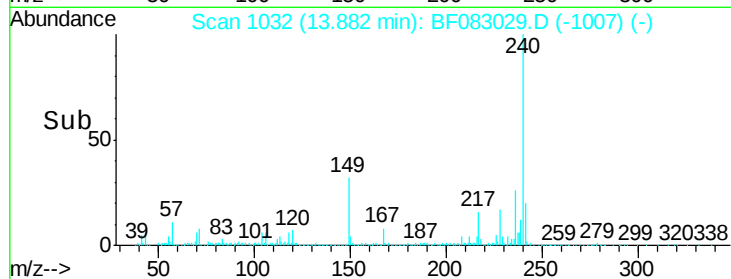
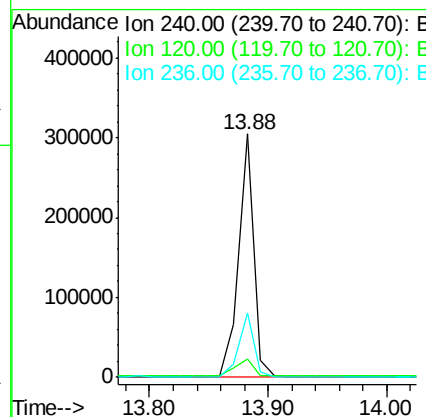
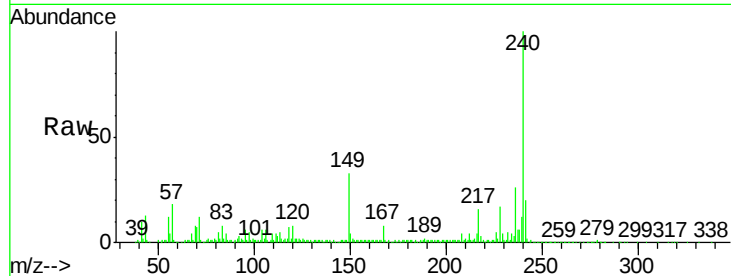
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF083029.D
Acq: 19 Nov 2015 1:20

Instrument :
BNA_F
ClientSampleId :
V1S3

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	274749		
120	7.7	10.9	16.3	
236	26.4	21.6	32.4	

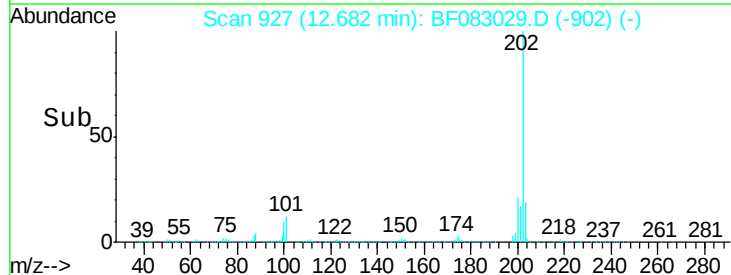
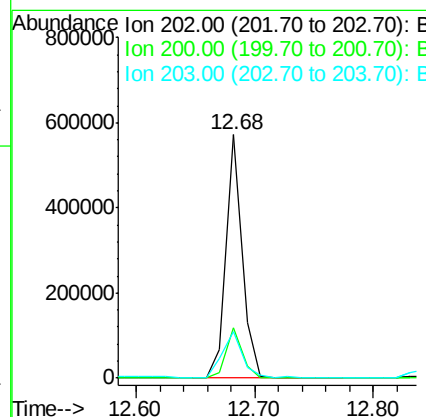
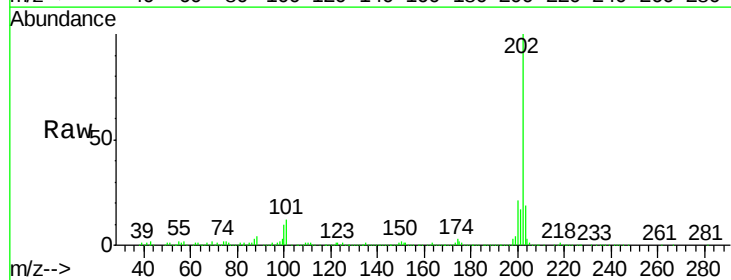
Manual Integrations
APPROVED

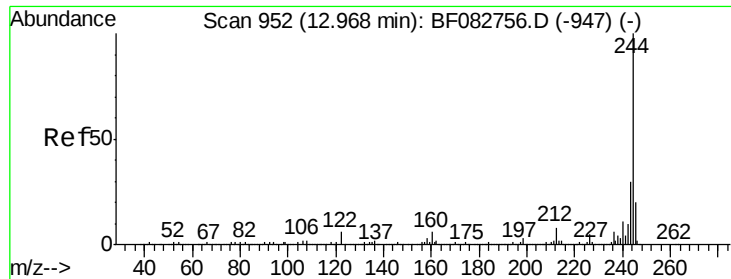
Mmdadoda
11/19/2015 6:44:53 PM



#77
Pyrene
Concen: 28.33 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF083029.D
Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	534492		
200	20.9	18.7	28.1	
203	19.1	14.8	22.2	





#78

Terphenyl-d14

Concen: 19.08 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

Instrument :

BNA_F

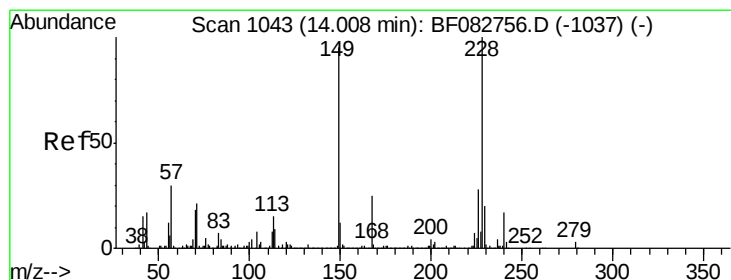
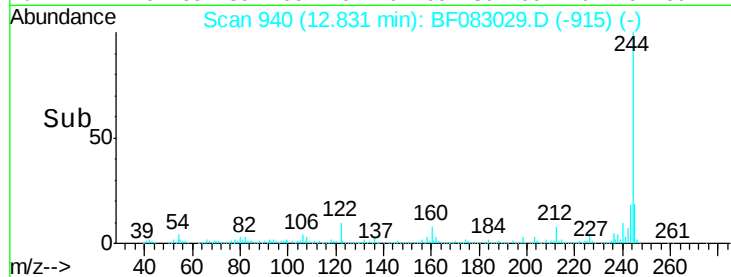
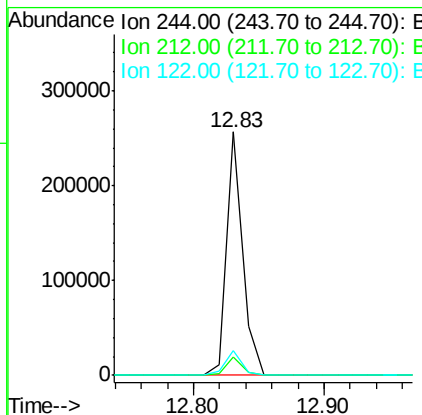
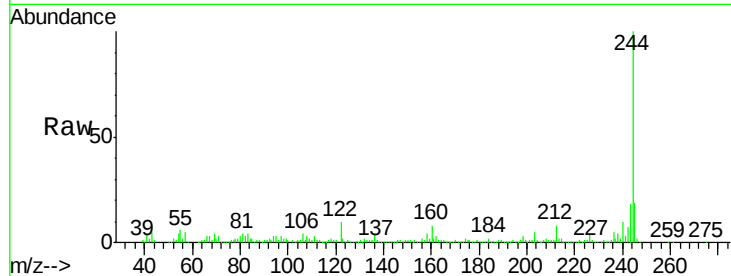
ClientSampleId :

V1S3

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	221016		
212	7.7	7.6	11.4	
122	10.1	11.3	16.9#	

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 15.05 ng

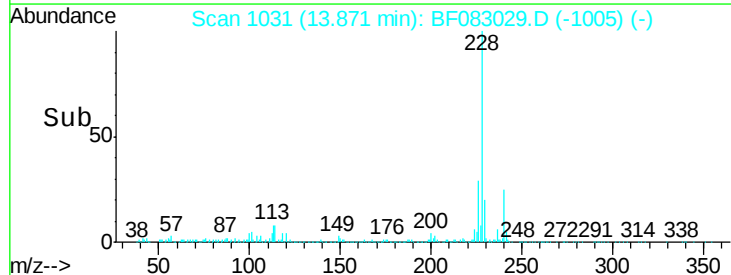
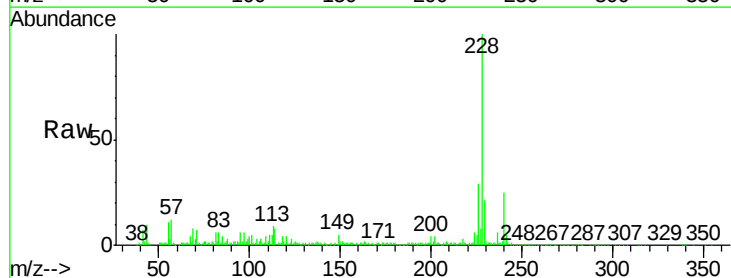
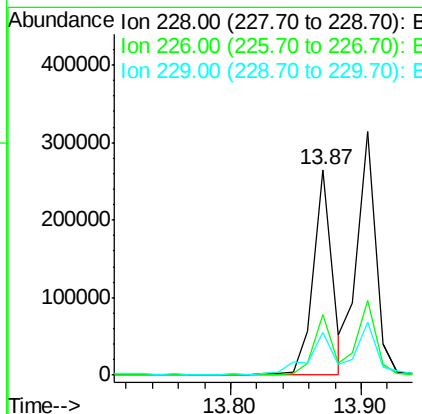
RT: 13.87 min Scan# 1031

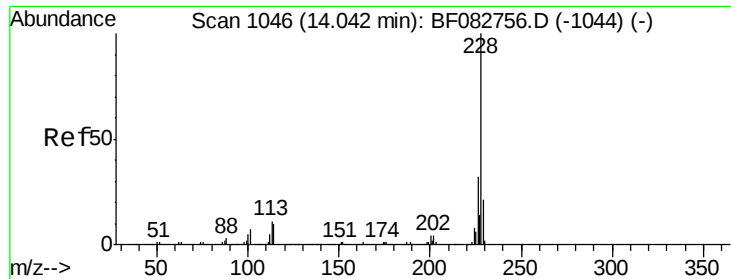
Delta R.T. -0.00 min

Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	258632		
226	29.2	23.4	35.2	
229	20.5	16.3	24.5	





#82

Chrysene

Concen: 19.61 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

Instrument :

BNA_F

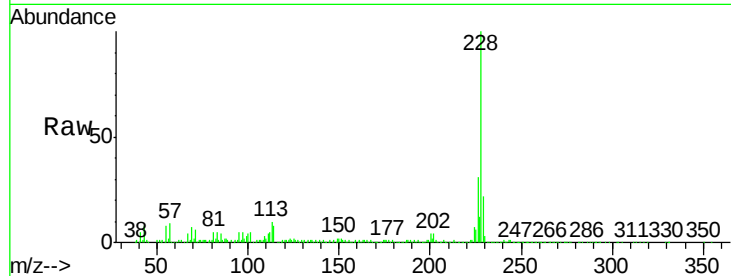
ClientSampleId :

V1S3

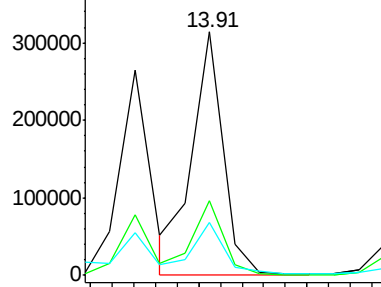
Tgt Ion:	228	Resp:	308641
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.5	38.3
229	21.9	16.3	24.5

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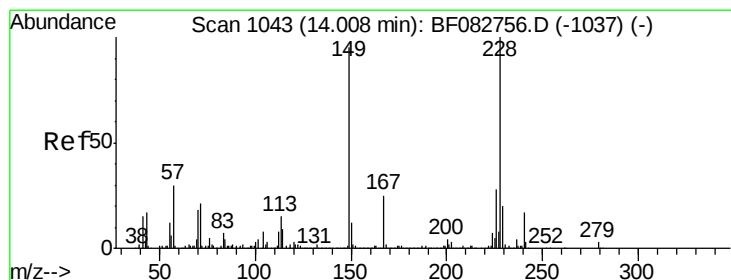
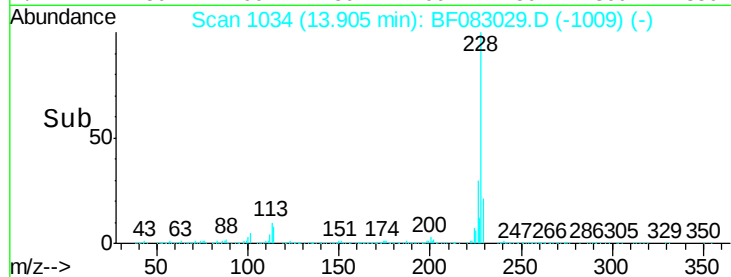
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 13.85 13.90 13.95



#83

Bis(2-ethylhexyl)phthalate

Concen: 7.91 ng

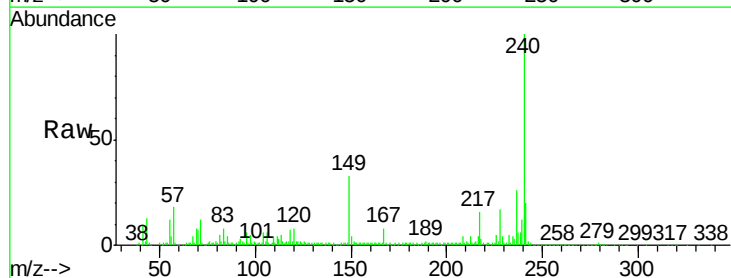
RT: 13.88 min Scan# 1032

Delta R.T. -0.00 min

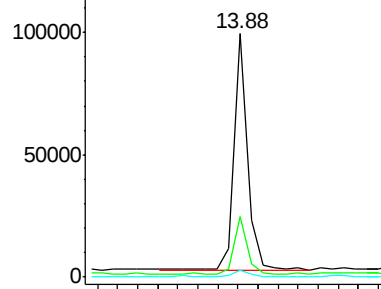
Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

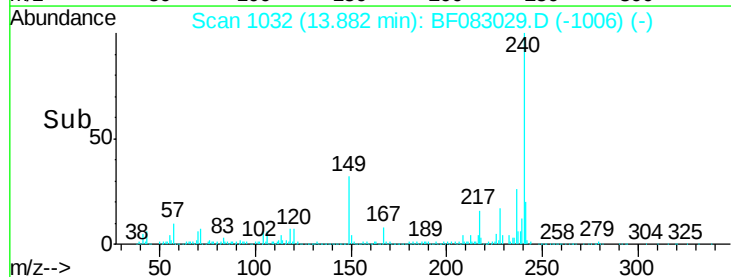
Tgt Ion:	149	Resp:	90258
Ion Ratio	Lower	Upper	
149	100		
167	24.8	21.2	31.8
279	2.7	2.2	3.2

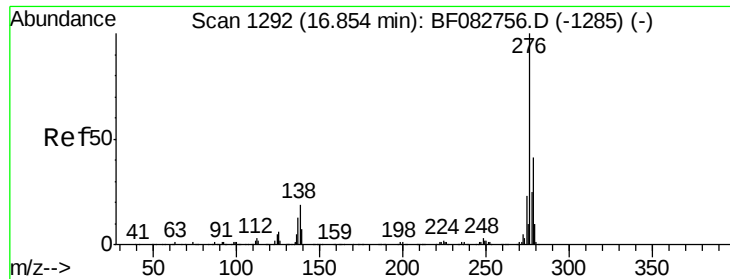


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time--> 13.80 13.90





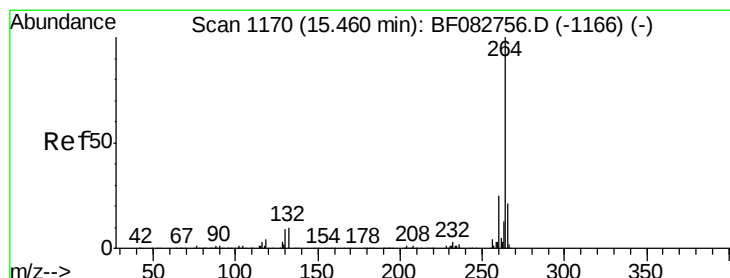
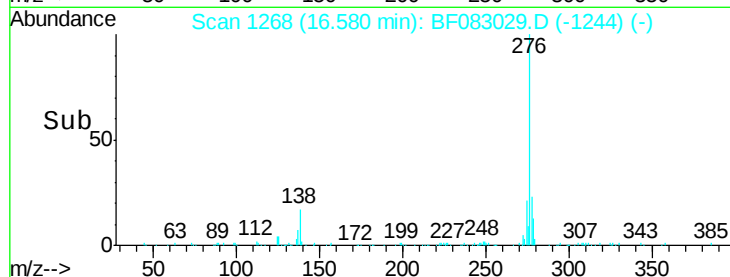
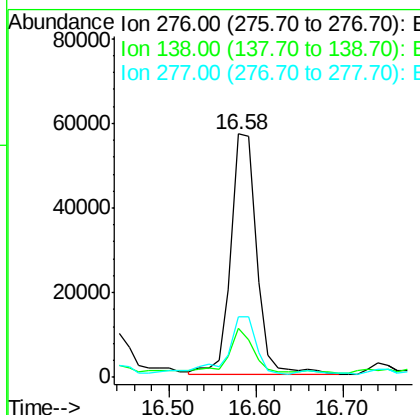
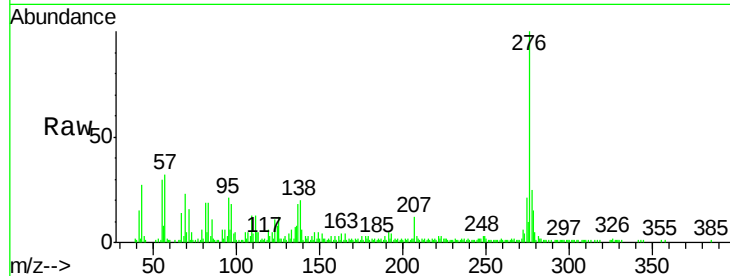
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.67 ng
 RT: 16.58 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: BF083029.D
 Acq: 19 Nov 2015 1:20

Instrument :
 BNA_F
 ClientSampleId :
 V1S3

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	117533		
138	18.0	15.3	22.9	
277	27.3	20.2	30.4	

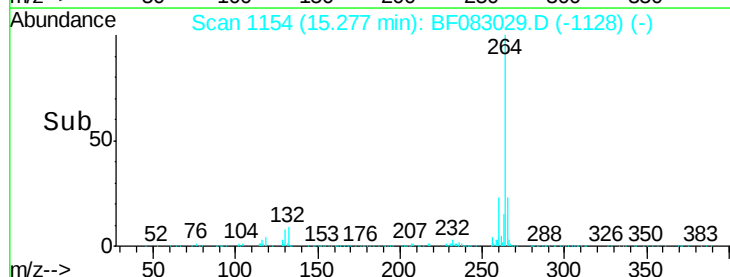
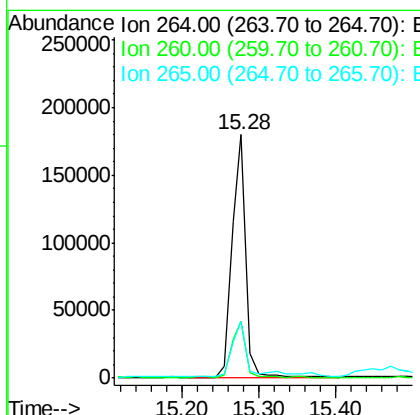
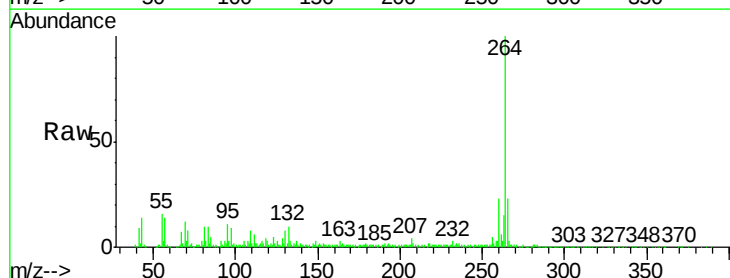
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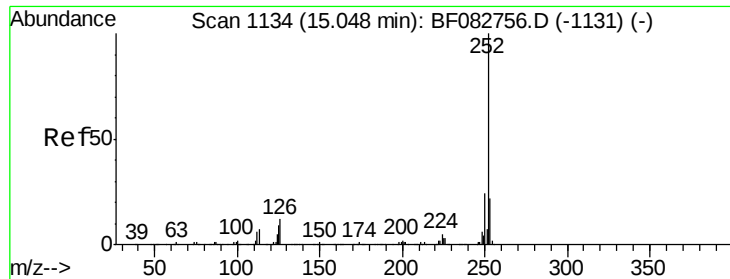
Mmdadoda
 11/19/2015 6:44:53 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BF083029.D
 Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	226876		
260	23.4	19.8	29.6	
265	23.1	17.4	26.0	





#87

Benzo(b)fluoranthene

Concen: 22.61 ng m

RT: 14.89 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BF083029.D

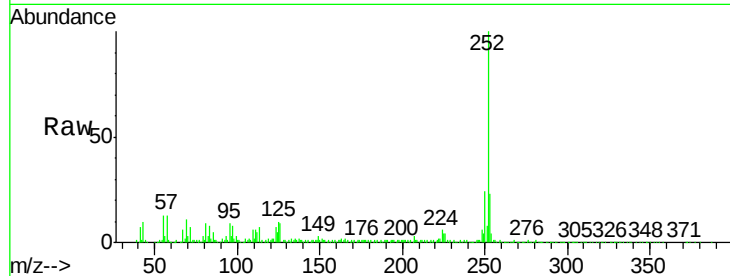
Acq: 19 Nov 2015 1:20

Instrument :

BNA_F

ClientSampleId :

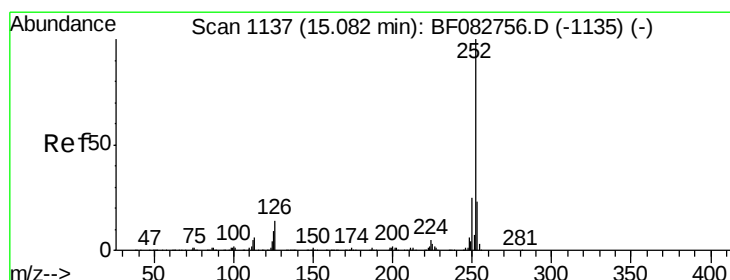
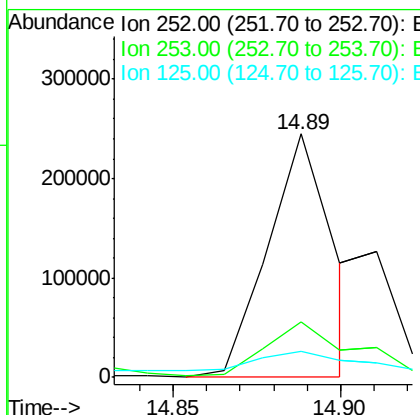
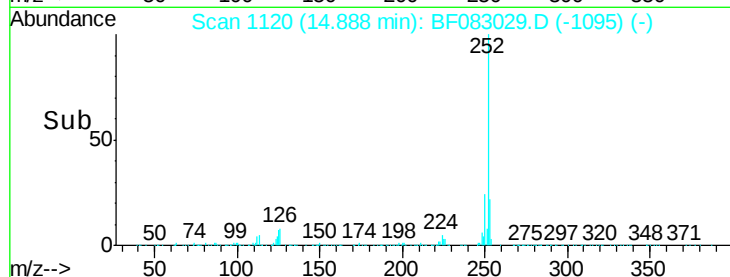
V1S3



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	10.4	5.4	8.2#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 7.73 ng m

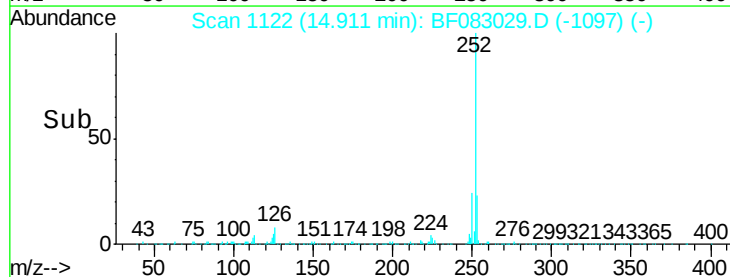
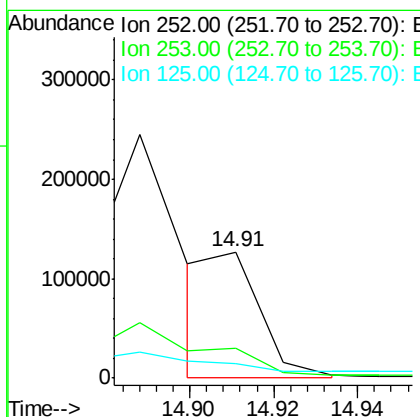
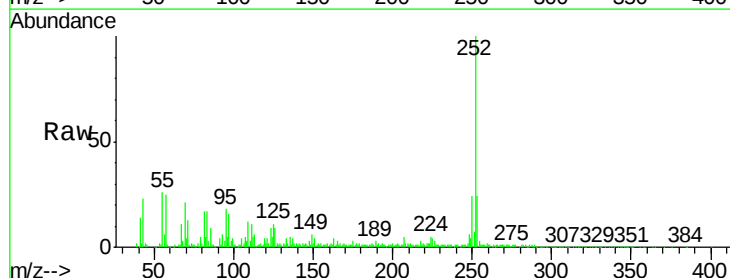
RT: 14.91 min Scan# 1122

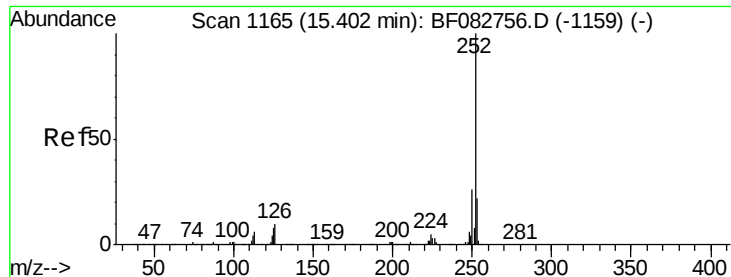
Delta R.T. -0.01 min

Lab File: BF083029.D

Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	11.0	3.5	5.3#





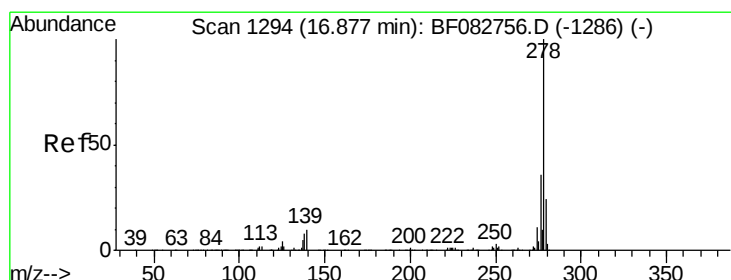
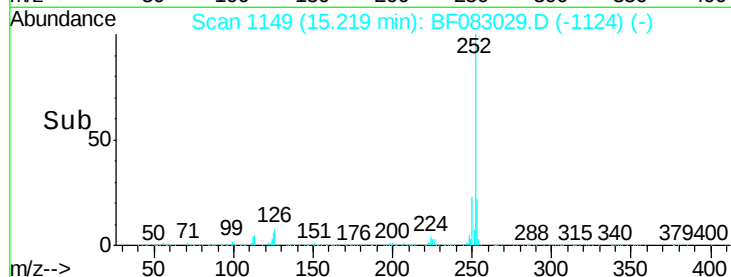
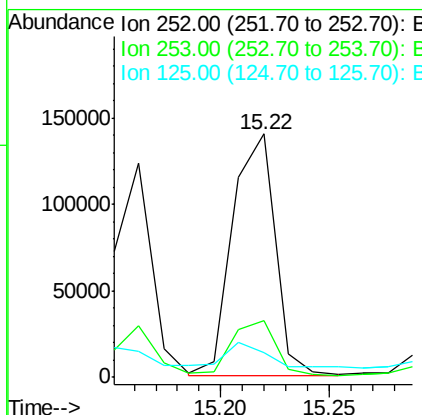
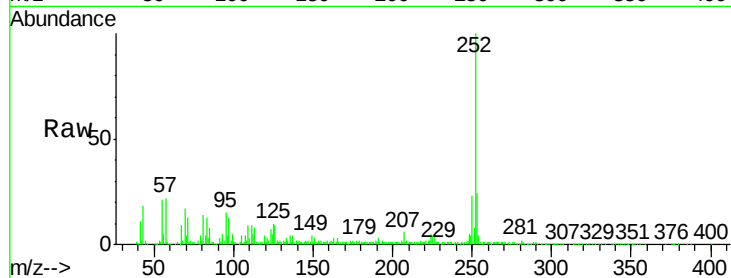
#89
Benzo(a)pyrene
Concen: 15.16 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF083029.D
Acq: 19 Nov 2015 1:20

Instrument :
BNA_F
ClientSampleId :
V1S3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	10.2	7.1	10.7

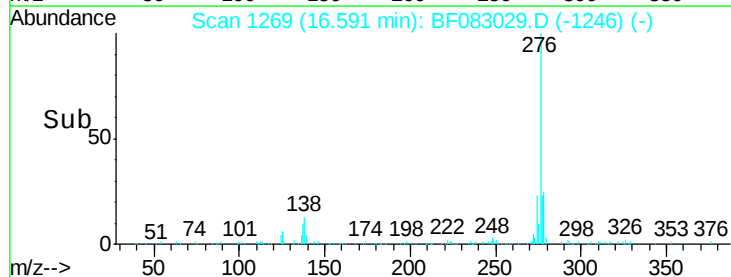
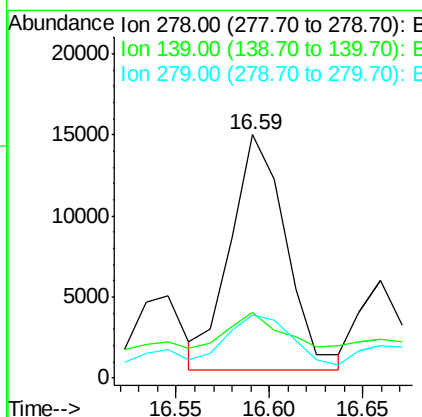
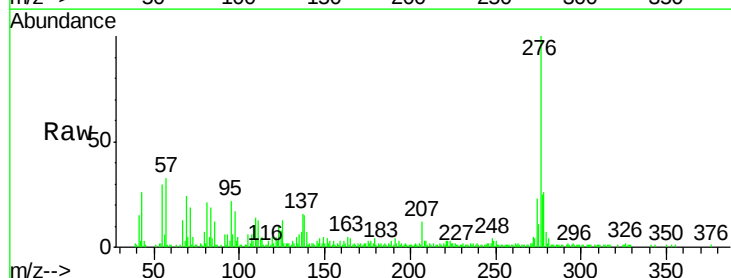
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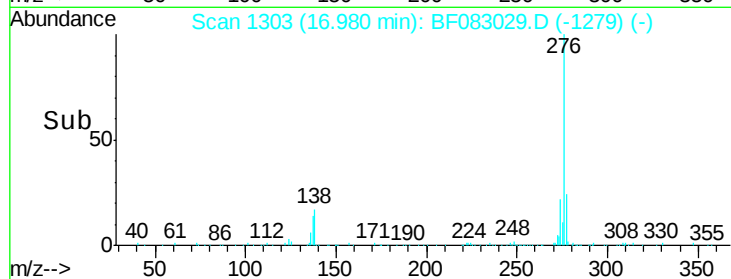
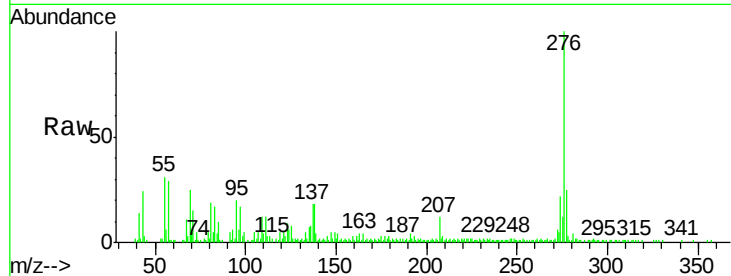
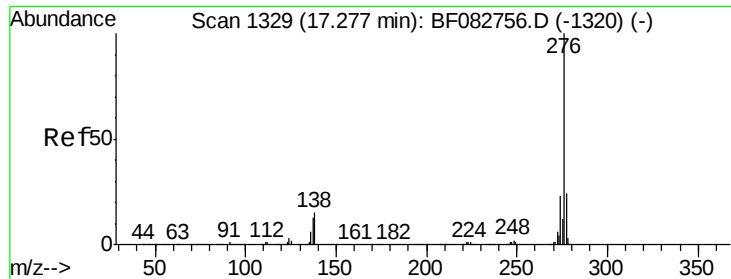
Mmdadoda
11/19/2015 6:44:53 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.81 ng
RT: 16.59 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF083029.D
Acq: 19 Nov 2015 1:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.1	9.9	14.9#
279	26.0	19.6	29.4





#91
 Benzo(g,h,i)perylene
 Concen: 10.04 ng
 RT: 16.98 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF083029.D
 Acq: 19 Nov 2015 1:20

Instrument :
 BNA_F
 ClientSampleId :
 V1S3

Tgt Ion:	276	Resp:	102719
Ion Ratio		Lower	Upper
276	100		
277	25.1	19.2	28.8
138	18.4	13.1	19.7

Manual Integrations
 APPROVED

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 11/19/2015 6:44:53 PM

