

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083028.D
 Acq On : 19 Nov 2015 00:51
 Operator : UM/IZ
 Sample : G4440-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

Manual Integrations
 APPROVED

Mmdadoda
 11/19/2015 6:44:52 PM

Quant Time: Nov 19 07:27:51 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	122517m	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	491127	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	221776	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	337947	20.00	ng	0.00
75) Chrysene-d12	13.88	240	285141	20.00	ng	-0.01
86) Perylene-d12	15.28	264	243666	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	179990	22.86	ng	-0.01
7) Phenol-d6	6.38	99	233844	22.34	ng	-0.01
23) Nitrobenzene-d5	7.29	82	139605	12.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	36963	14.54	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	250919	16.22	ng	-0.01
78) Terphenyl-d14	12.83	244	183520	15.27	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.49	163	97325	5.36	ng	97
70) Phenanthrene	11.28	178	161603	8.23	ng	95
74) Fluoranthene	12.45	202	364567	17.31	ng	98
77) Pyrene	12.68	202	303446	15.50	ng	97
80) Benzo(a)anthracene	13.87	228	135663	7.61	ng	100
82) Chrysene	13.91	228	161265	9.87	ng	98
83) Bis(2-ethylhexyl)phthalate	13.88	149	89524	7.56	ng	98
85) Indeno(1,2,3-cd)pyrene	16.58	276	61294	4.36	ng	95
87) Benzo(b)fluoranthene	14.89	252	184114m	11.77	ng	
88) Benzo(k)fluoranthene	14.90	252	42506m	3.06	ng	
89) Benzo(a)pyrene	15.21	252	104040	7.68	ng	# 92
91) Benzo(g,h,i)perylene	16.98	276	57287	5.21	ng	97

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

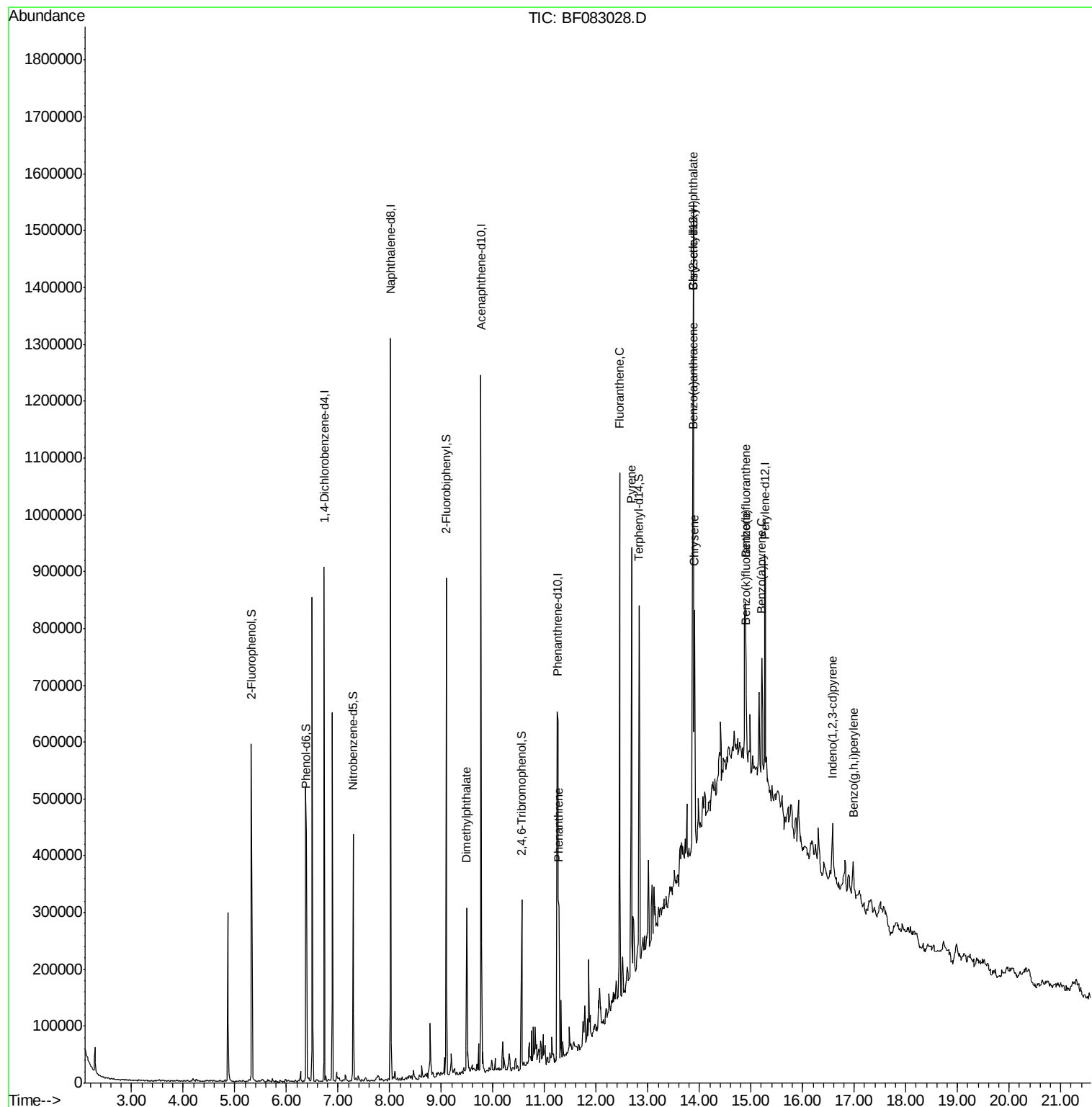
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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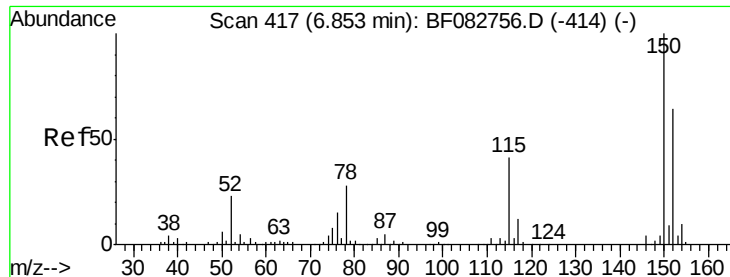
Instrument :
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V1S2

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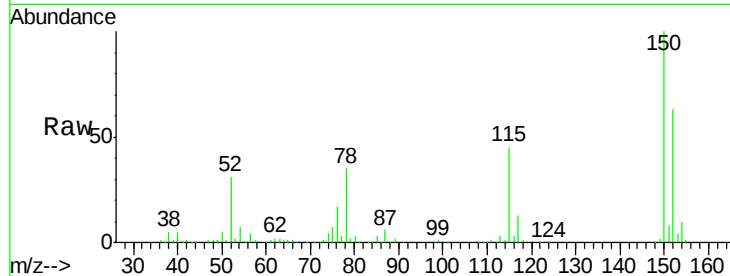




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

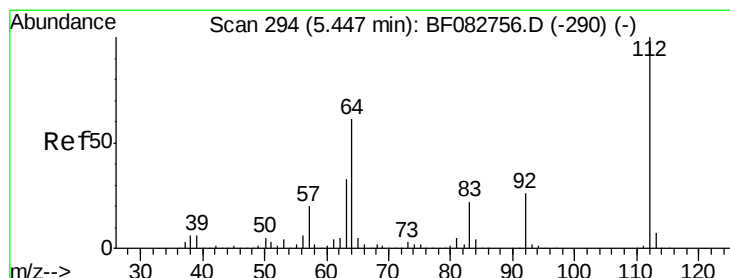
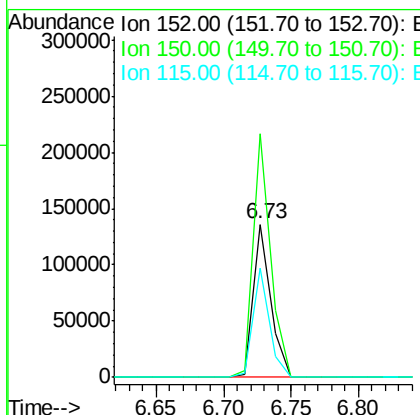
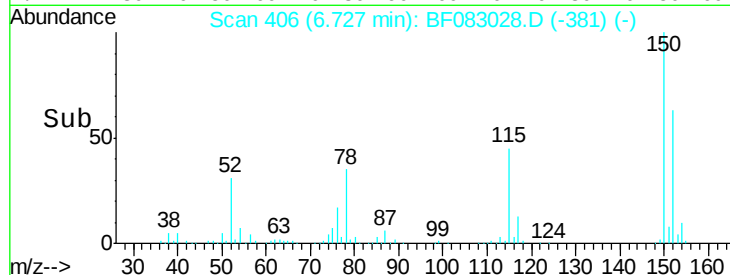
Instrument :
BNA_F
ClientSampleId :
V1S2



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	122517		
150	158.9	127.0	190.4	
115	71.5	47.0	70.6#	

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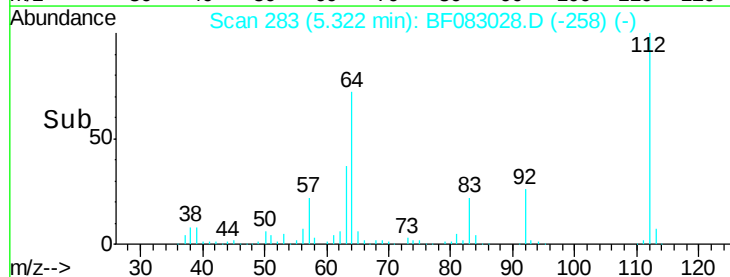
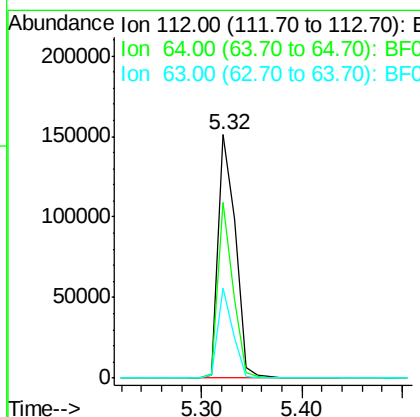
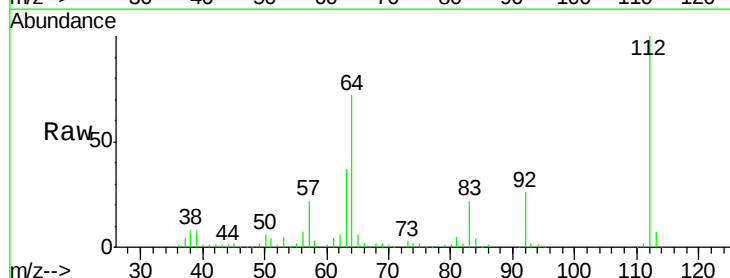
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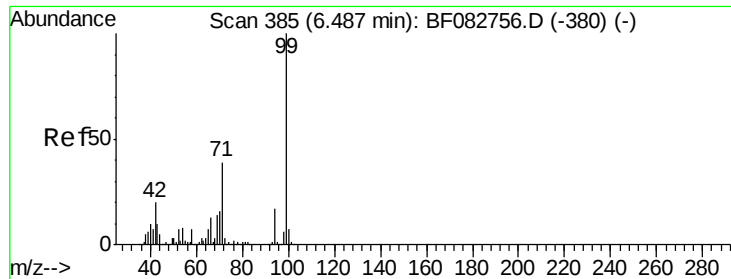


#5

2-Fluorophenol
Concen: 22.86 ng
RT: 5.32 min Scan# 283
Delta R.T. -0.01 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	179990		
64	72.2	48.9	73.3	
63	36.9	28.1	42.1	





#7

Phenol-d6

Concen: 22.34 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF083028.D

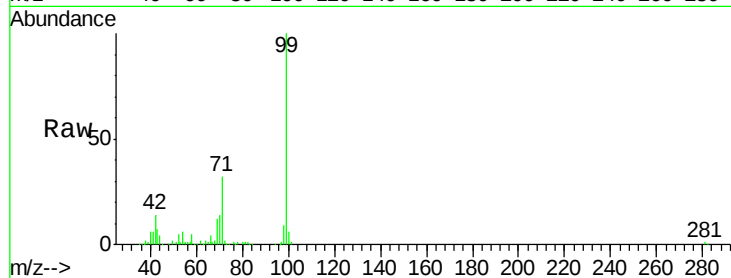
Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

ClientSampleId :

V1S2



Tgt Ion: 99 Resp: 233844

Ion Ratio Lower Upper

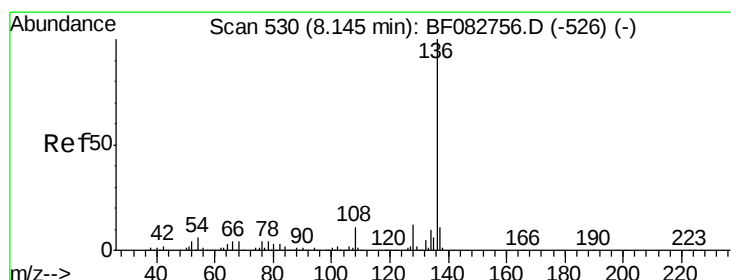
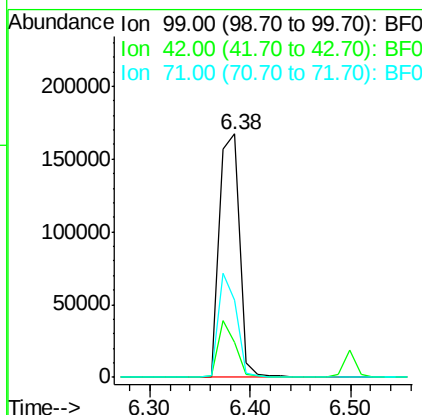
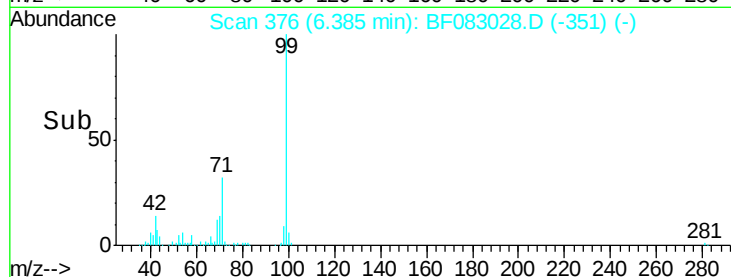
99 100

42 14.2 19.2 28.8#

71 32.0 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: BF083028.D

Acq: 19 Nov 2015 00:51

Tgt Ion: 136 Resp: 491127

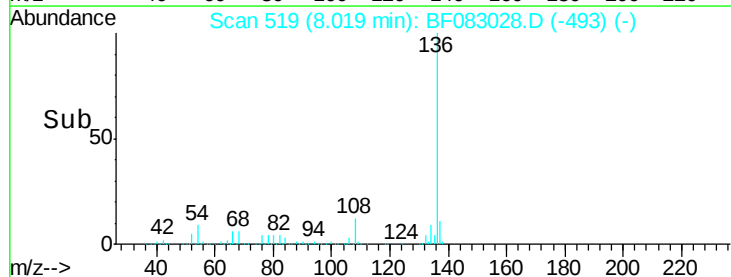
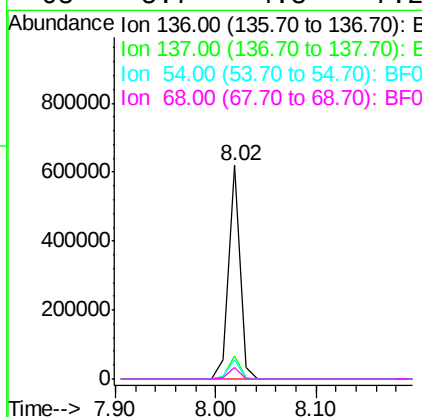
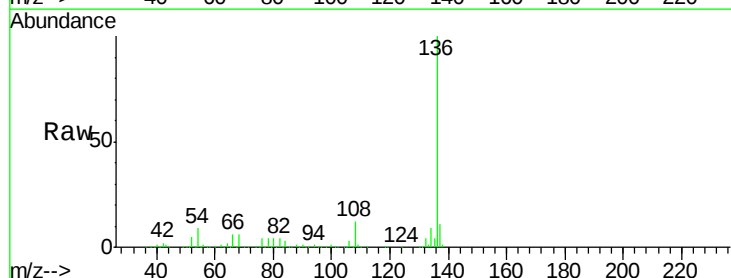
Ion Ratio Lower Upper

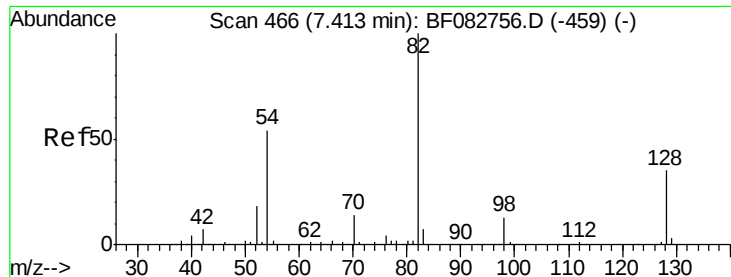
136 100

137 10.9 9.1 13.7

54 8.8 9.1 13.7#

68 5.7 4.8 7.2





#23

Nitrobenzene-d5

Concen: 12.37 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

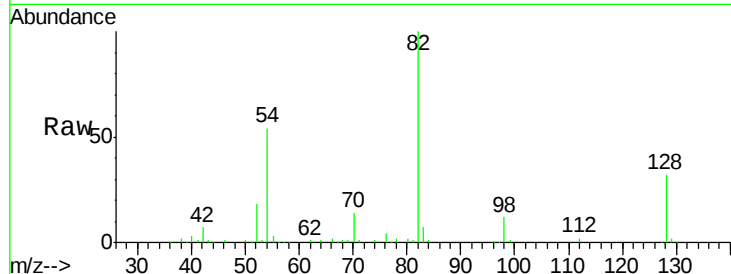
ClientSampleId :

V1S2

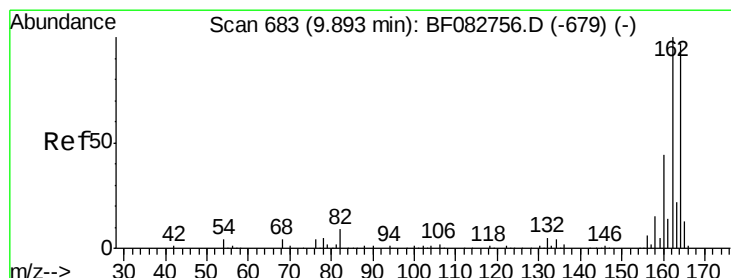
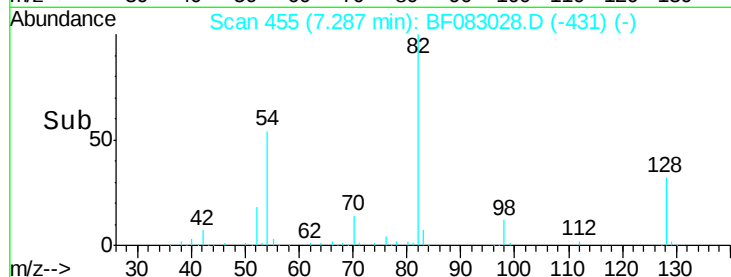
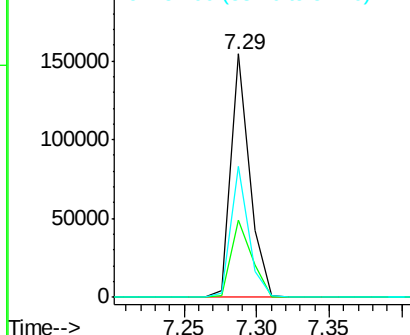
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Tgt Ion	82	Resp	139605
Ion Ratio	100	Lower	Upper
128	31.7	26.8	40.2
54	53.8	45.7	68.5



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

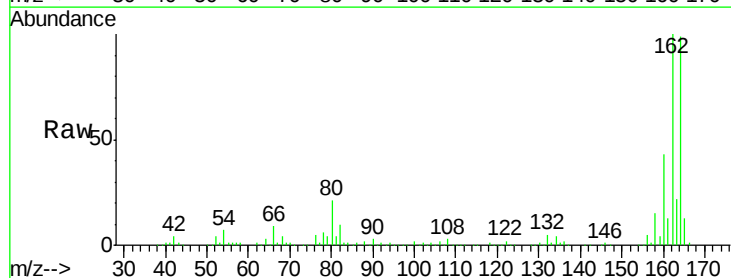
RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

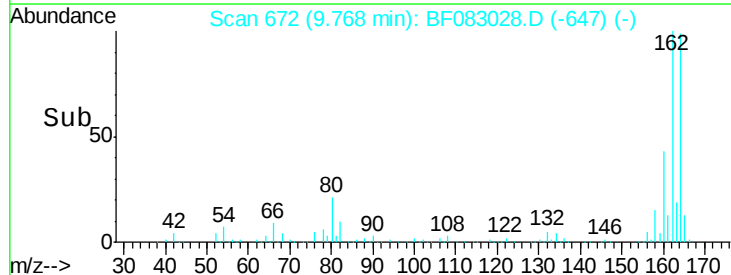
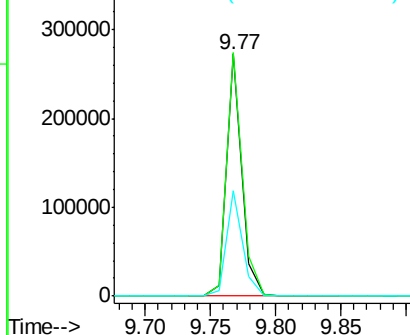
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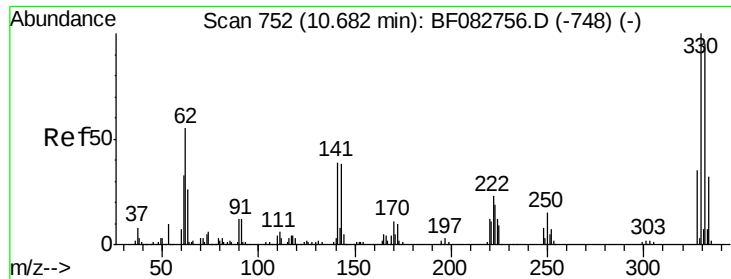
Acq: 19 Nov 2015 00:51

Tgt Ion	164	Resp	221776
Ion Ratio	100	Lower	Upper
162	100.6	84.9	127.3
160	43.5	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





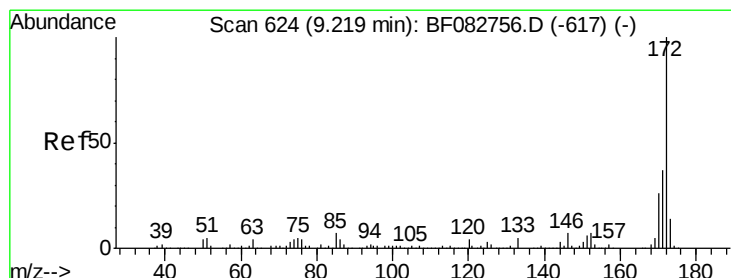
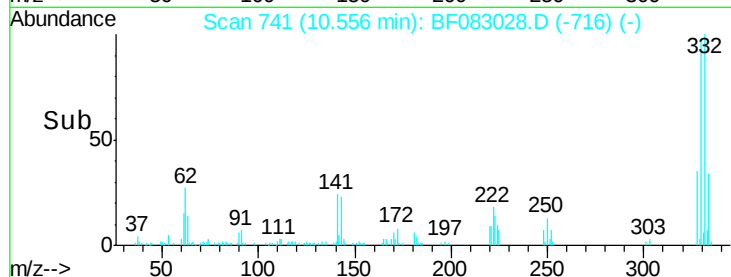
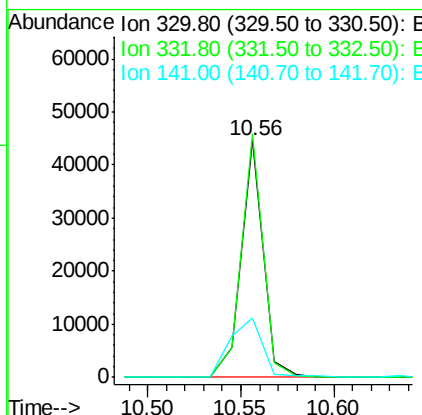
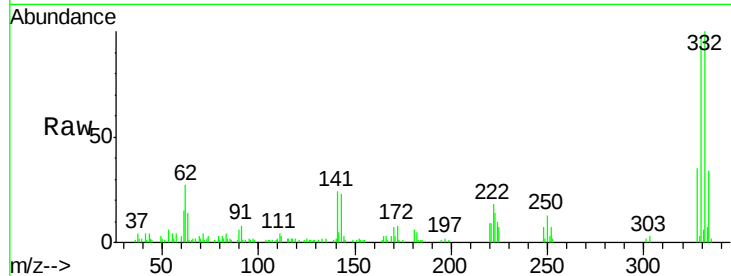
#41
 2,4,6-Tribromophenol
 Concen: 14.54 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	36963		
332	101.3	76.6	114.8	
141	37.4	41.2	61.8#	

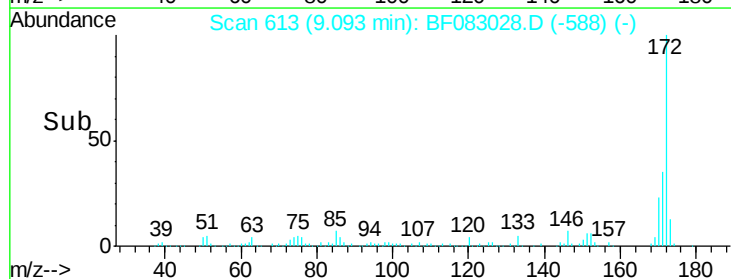
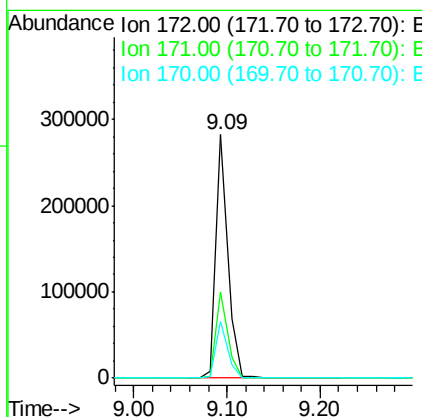
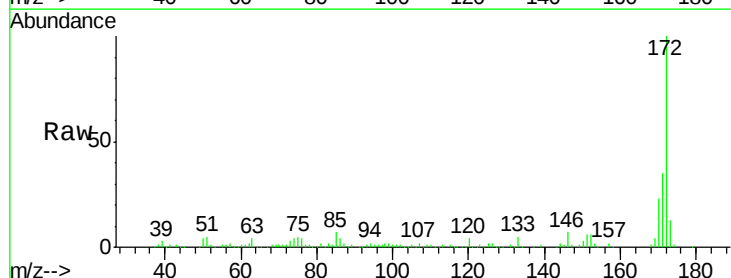
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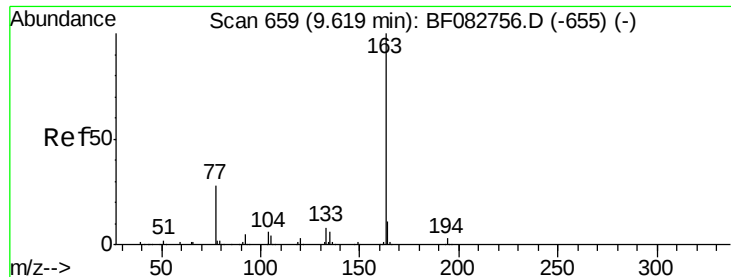
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#44
 2-Fluorobiphenyl
 Concen: 16.22 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	250919		
171	35.3	30.8	46.2	
170	23.5	21.2	31.8	





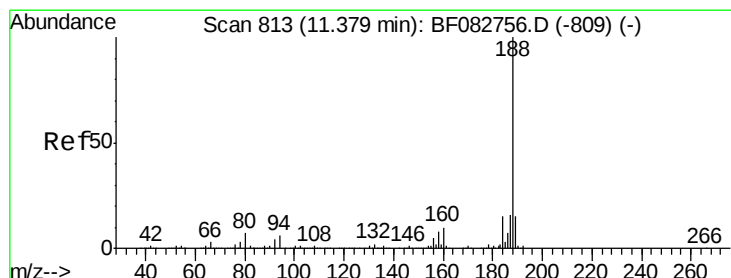
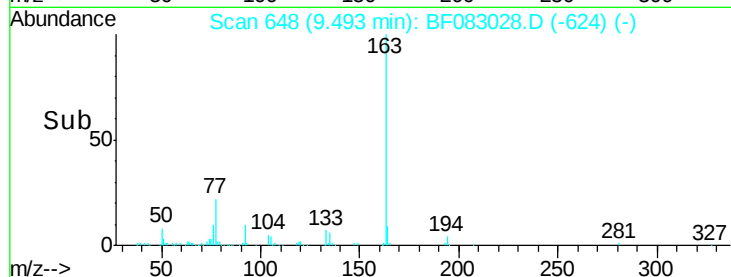
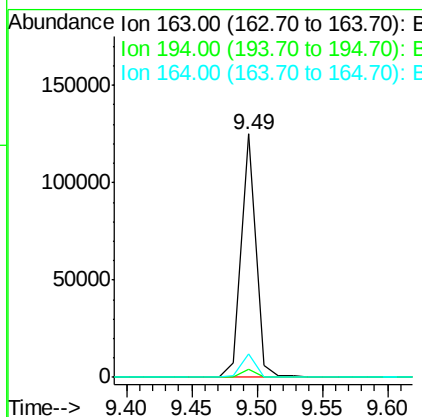
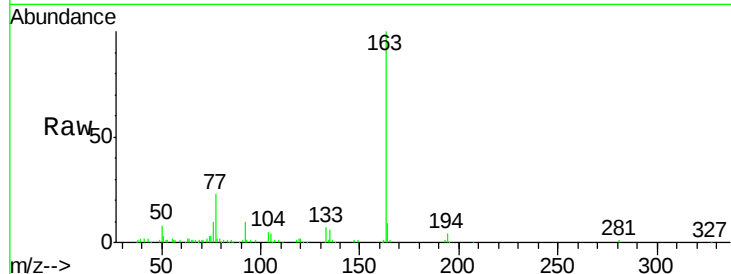
#49
Dimethylphthalate
Concen: 5.36 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Instrument :
BNA_F
ClientSampleId :
V1S2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	2.6	4.0
164	9.4	8.7	13.1

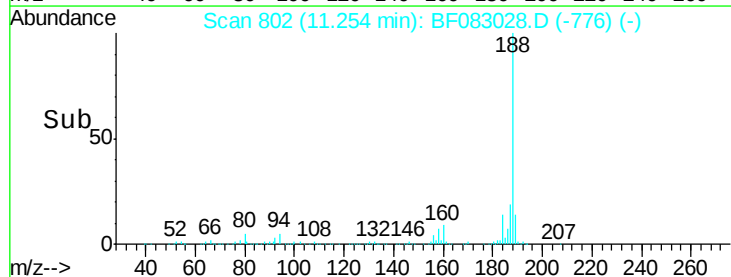
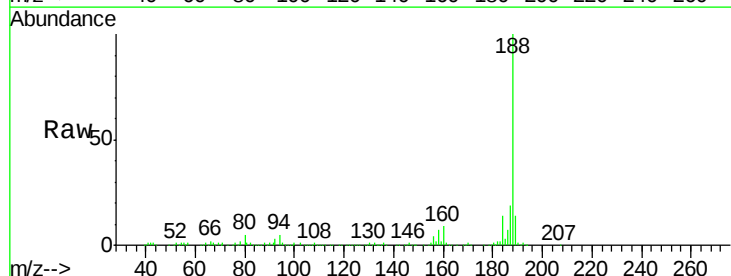
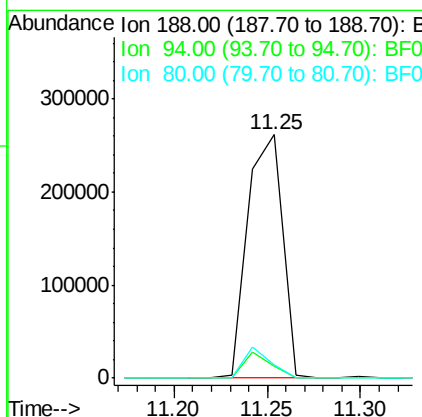
Manual Integrations
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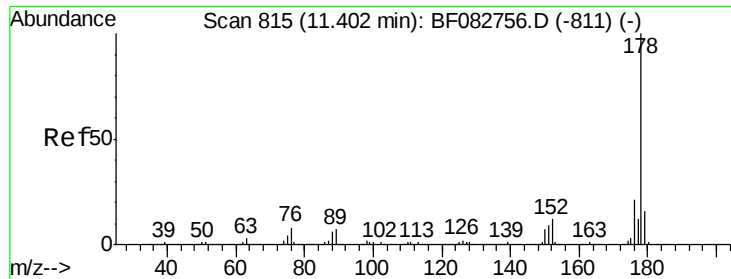
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	4.8	6.1	9.1#
80	5.3	7.0	10.6#





#70

Phenanthrene

Concen: 8.23 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

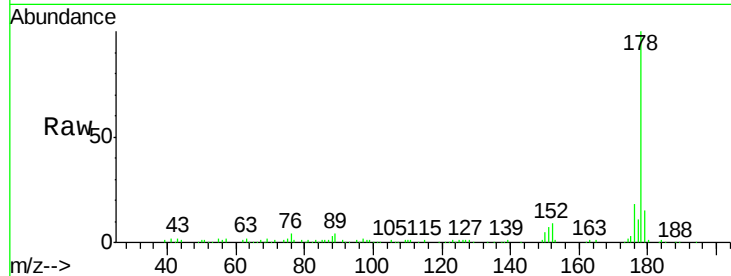
ClientSampleId :

V1S2

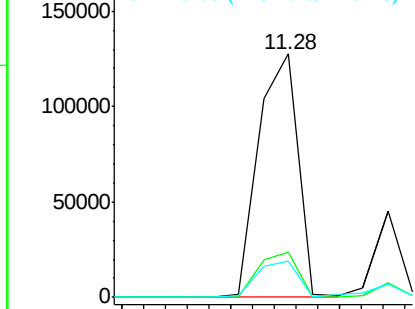
Tgt Ion:	178	Resp:	161603
Ion Ratio	Lower	Upper	
178	100		
176	18.3	17.0	25.4
179	14.8	13.4	20.0

Manual Integrations
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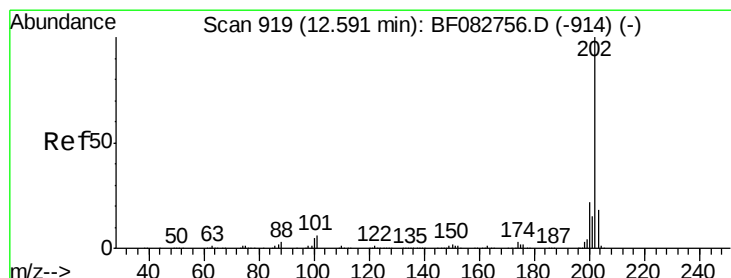
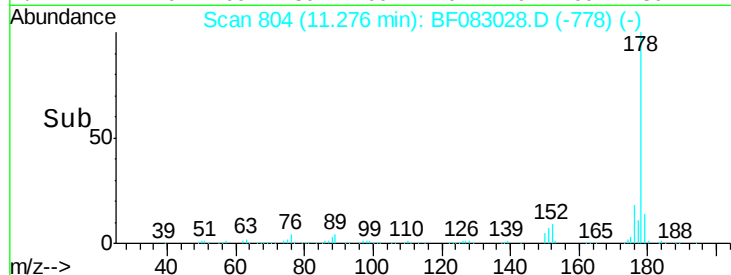
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 11.20 11.25 11.30



#74

Fluoranthene

Concen: 17.31 ng

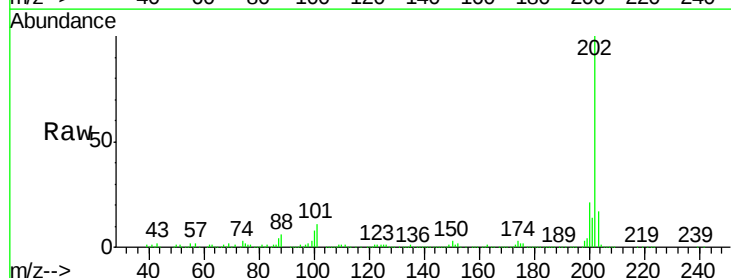
RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

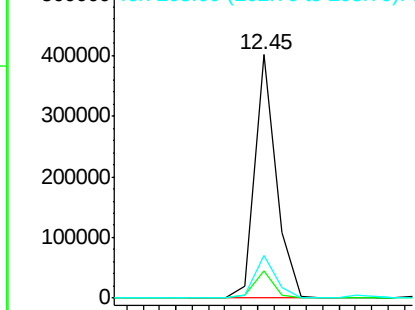
Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

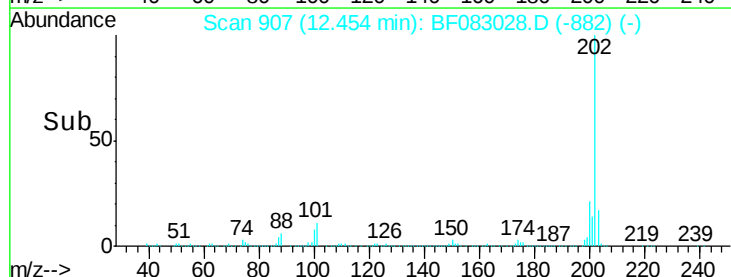
Tgt Ion:	202	Resp:	364567
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	30.5
203	17.4	0.0	38.5

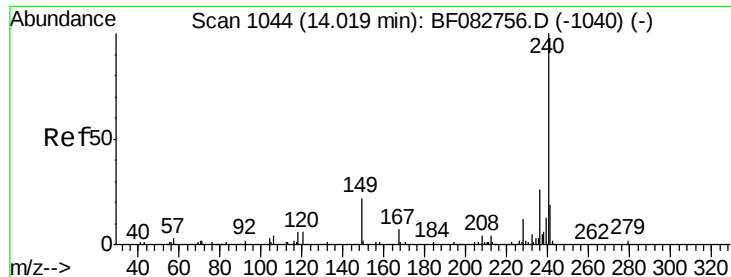


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.40 12.45 12.50





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

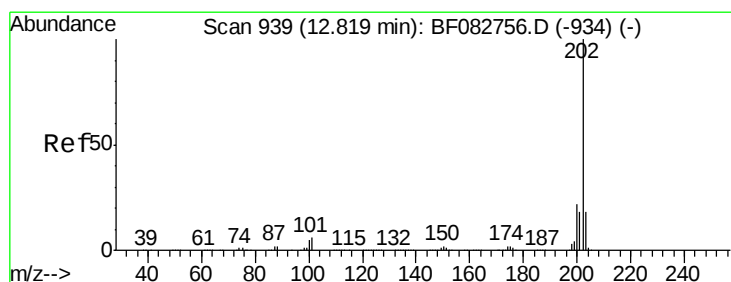
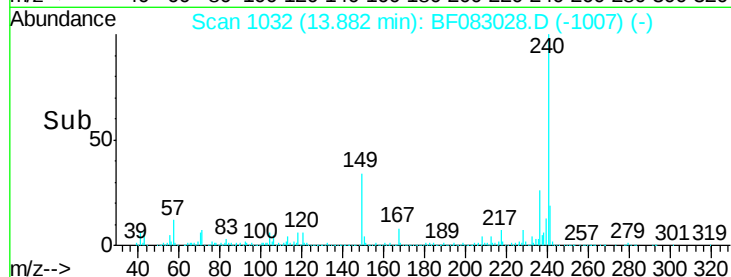
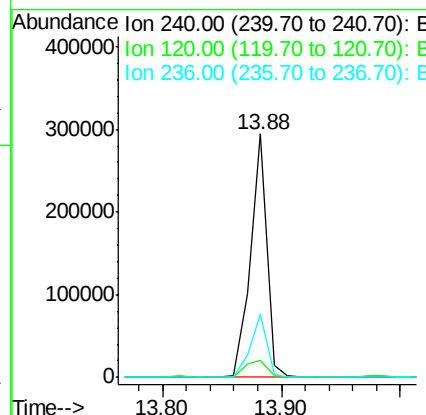
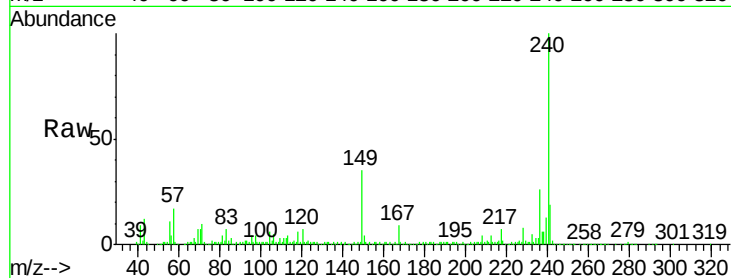
ClientSampleId :

V1S2

Tgt Ion:	240	Resp:	285141
Ion Ratio		Lower	Upper
240	100		
120	6.8	10.9	16.3#
236	25.7	21.6	32.4

Manual Integrations
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#77

Pyrene

Concen: 15.50 ng

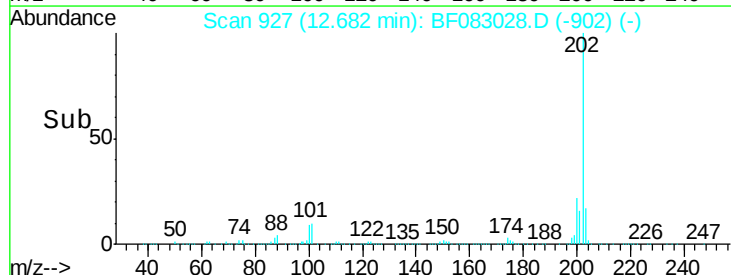
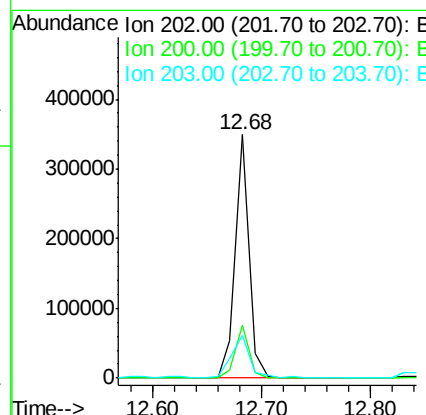
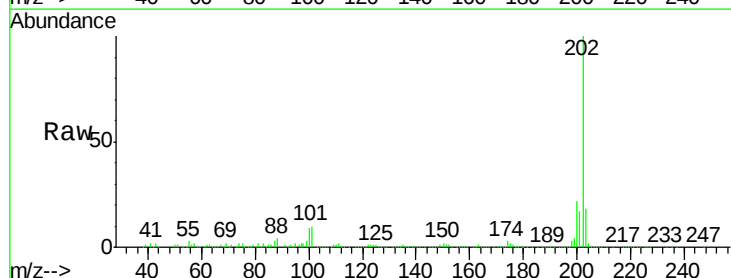
RT: 12.68 min Scan# 927

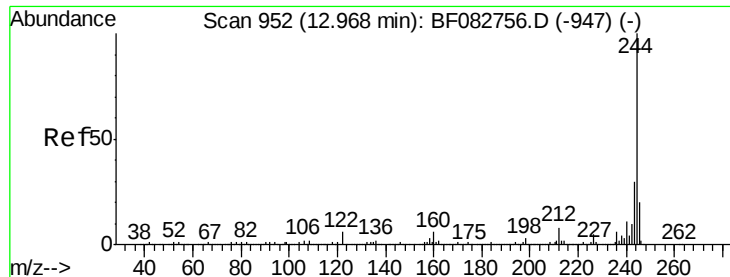
Delta R.T. -0.01 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Tgt Ion:	202	Resp:	303446
Ion Ratio		Lower	Upper
202	100		
200	21.6	18.7	28.1
203	17.7	14.8	22.2





#78

Terphenyl-d14

Concen: 15.27 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

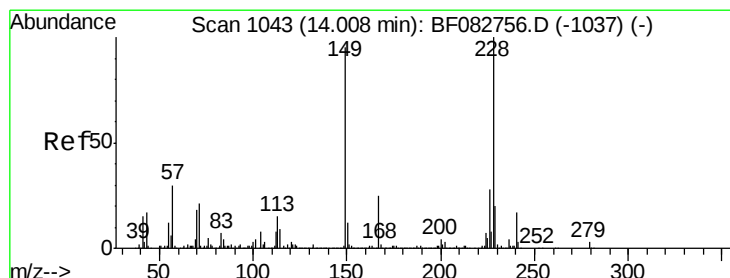
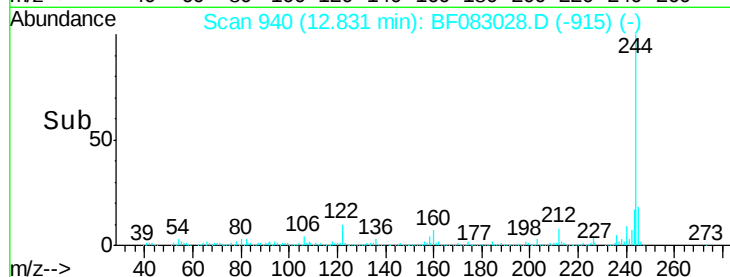
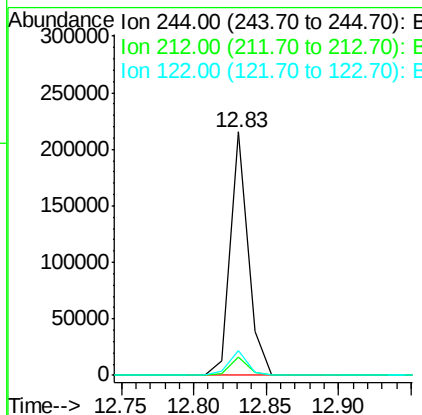
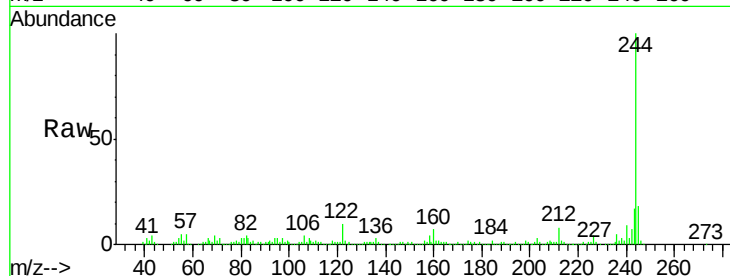
ClientSampleId :

V1S2

Tgt Ion:	244	Resp:	183520
Ion Ratio		Lower	Upper
244	100		
212	7.6	7.6	11.4#
122	10.2	11.3	16.9#

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#80

Benzo(a)anthracene

Concen: 7.61 ng

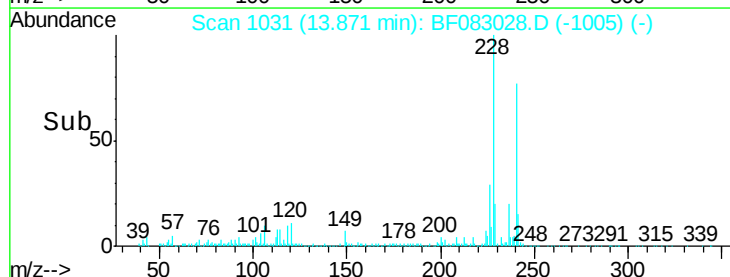
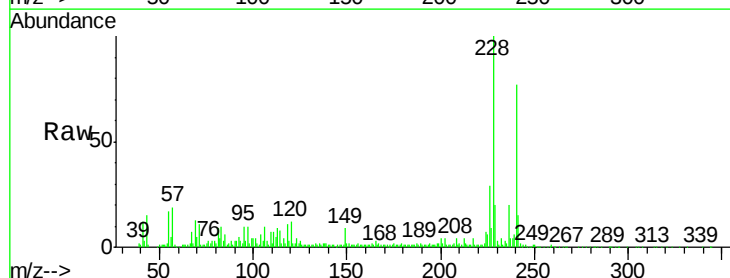
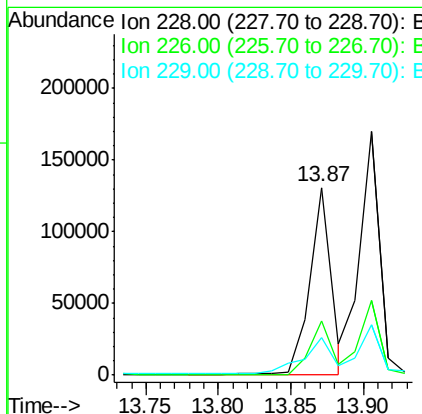
RT: 13.87 min Scan# 1031

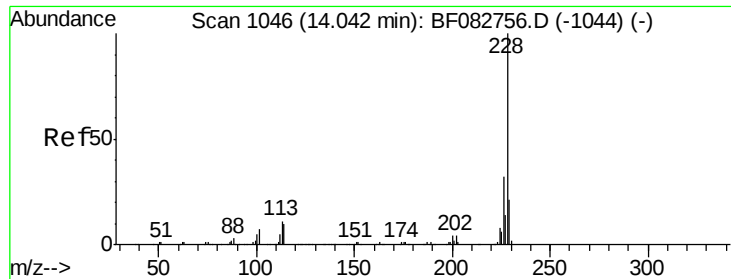
Delta R.T. 0.00 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Tgt Ion:	228	Resp:	135663
Ion Ratio		Lower	Upper
228	100		
226	29.2	23.4	35.2
229	20.2	16.3	24.5





#82

Chrysene

Concen: 9.87 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

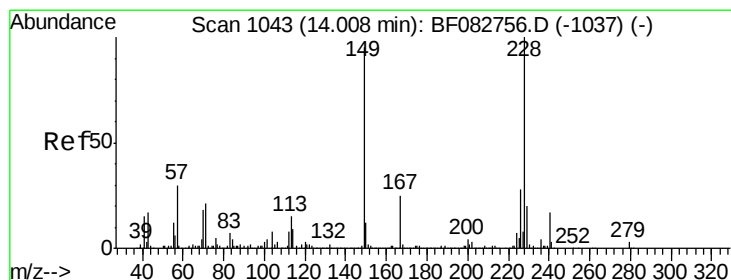
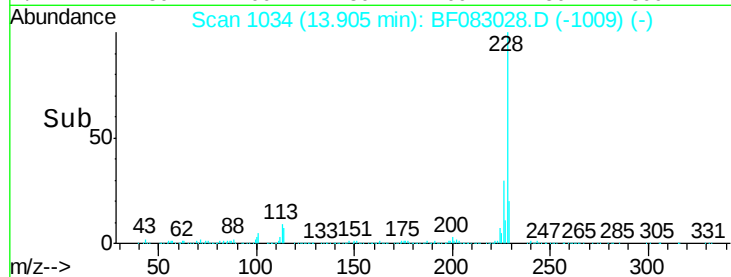
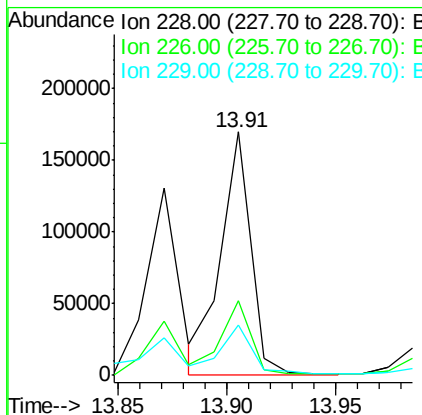
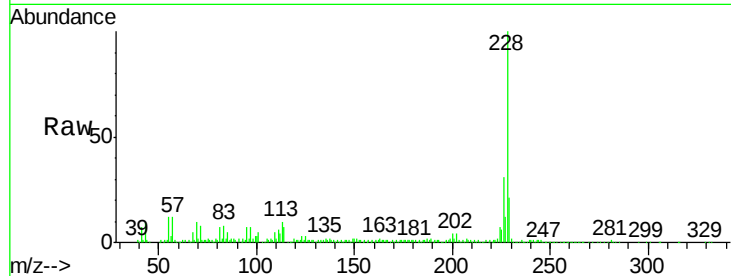
ClientSampleId :

V1S2

Tgt Ion:	228	Resp:	161265
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.5	38.3
229	20.8	16.3	24.5

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#83

Bis(2-ethylhexyl)phthalate

Concen: 7.56 ng

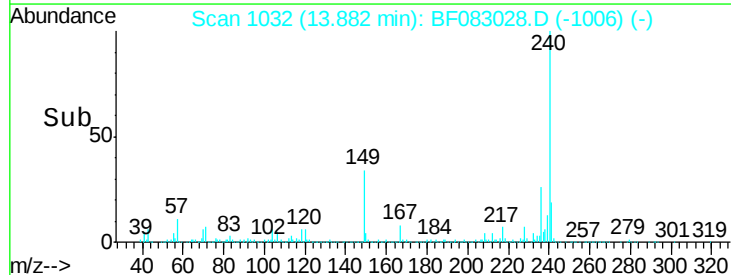
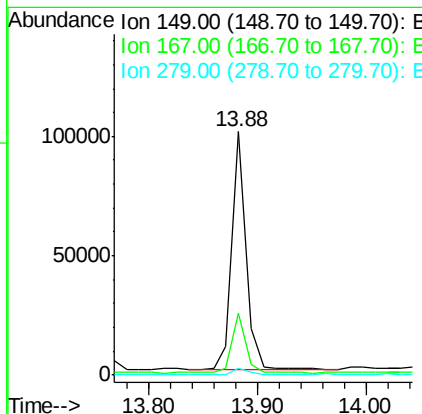
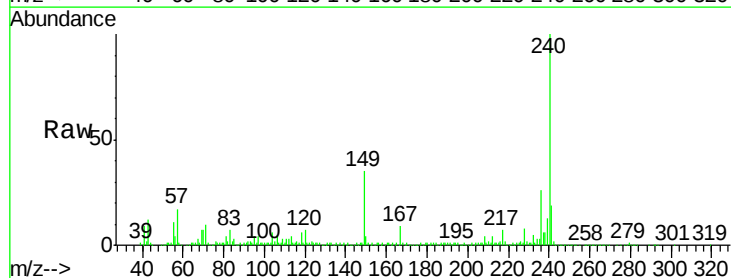
RT: 13.88 min Scan# 1032

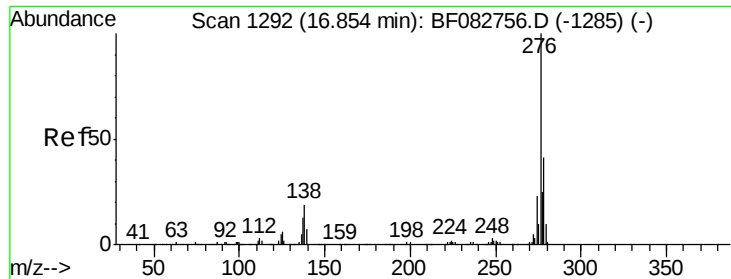
Delta R.T. 0.00 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Tgt Ion:	149	Resp:	89524
Ion Ratio	Lower	Upper	
149	100		
167	25.5	21.2	31.8
279	2.6	2.2	3.2





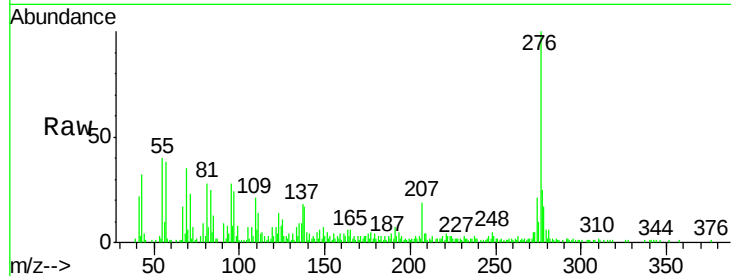
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.36 ng
 RT: 16.58 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Instrument :
 BNA_F
 ClientSampleId :
 V1S2

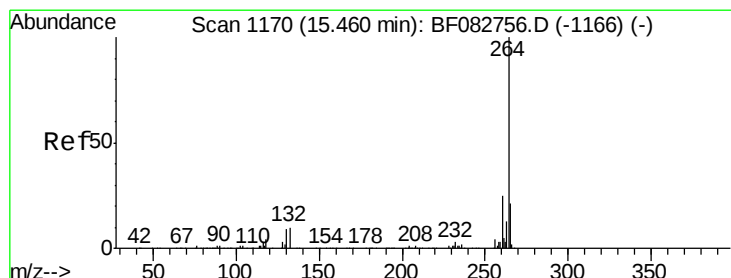
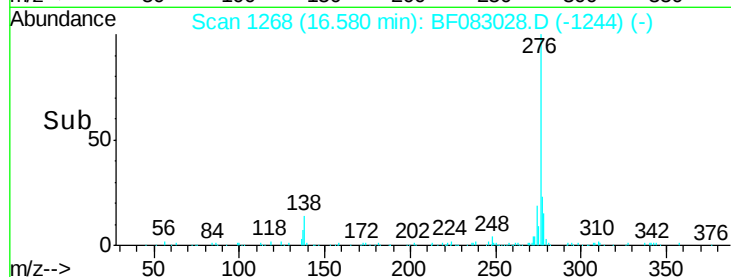
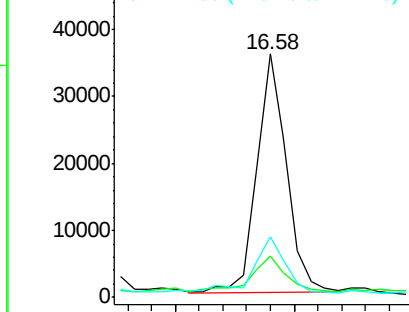
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	15.3	22.9
277	29.1	20.2	30.4

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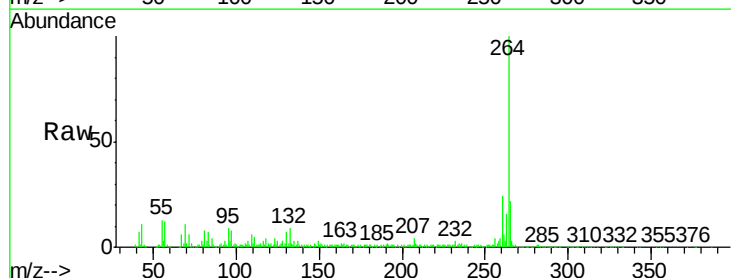


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

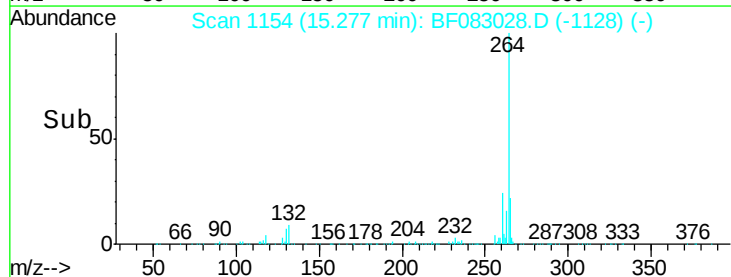
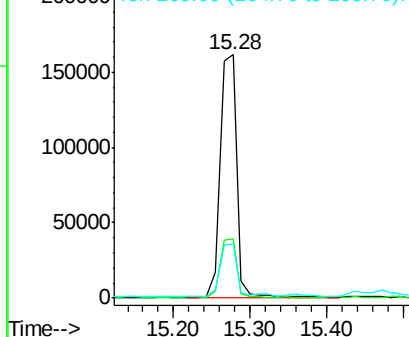


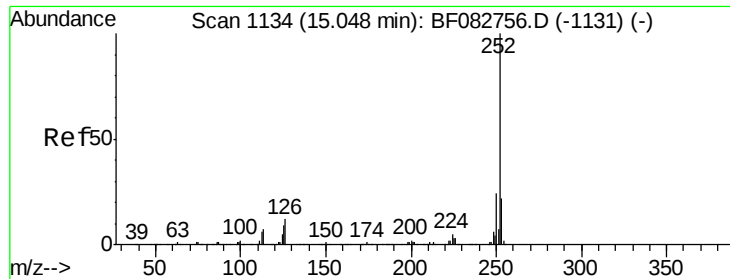
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	22.3	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





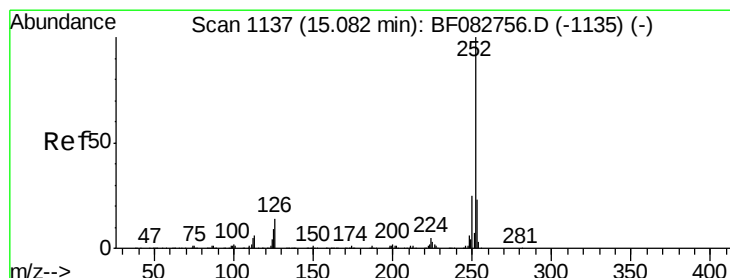
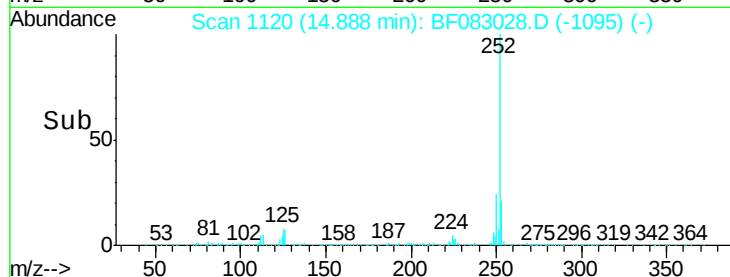
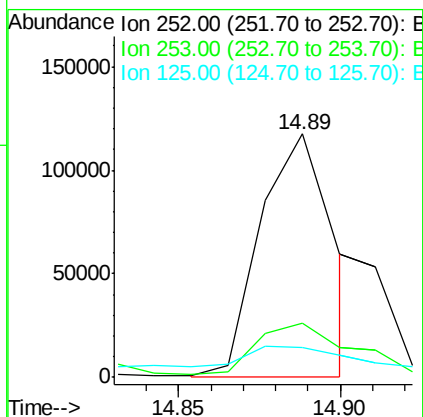
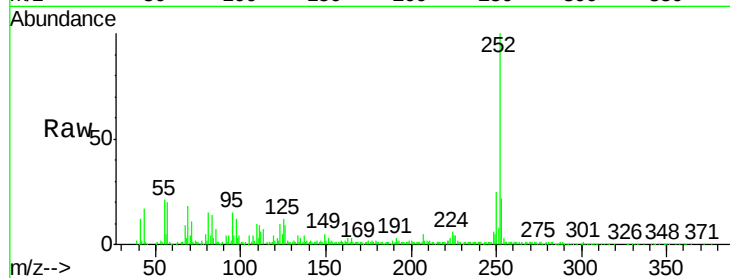
#87
Benzo(b)fluoranthene
Concen: 11.77 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Instrument :
BNA_F
ClientSampleId :
V1S2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	12.4	5.4	8.2#

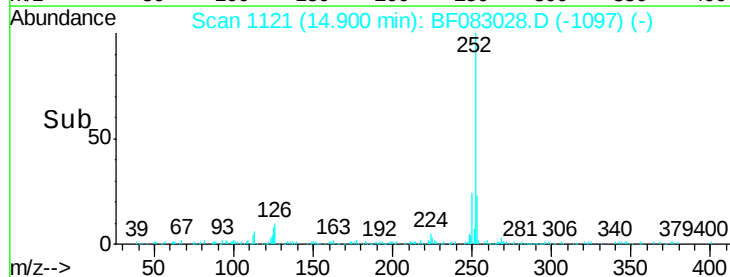
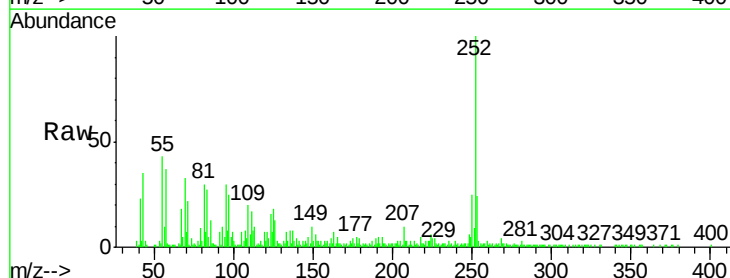
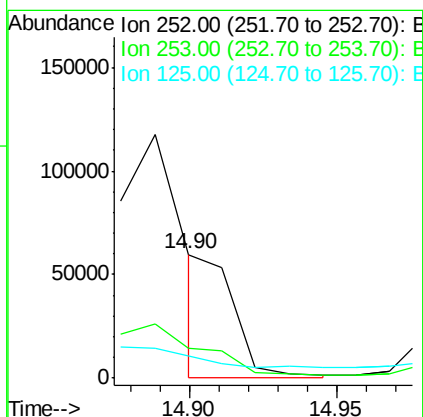
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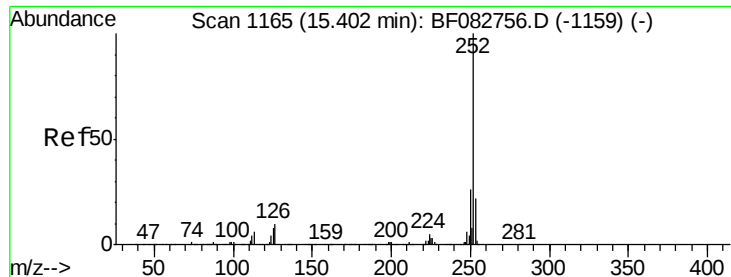
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#88
Benzo(k)fluoranthene
Concen: 3.06 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	17.9	3.5	5.3#





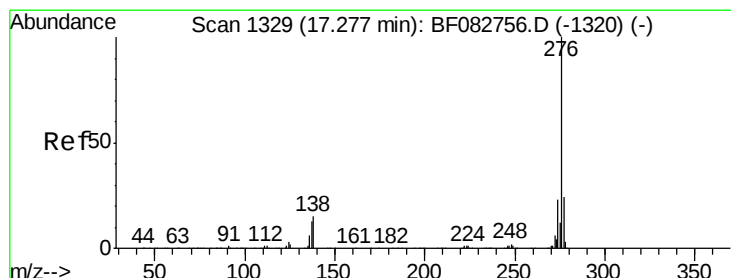
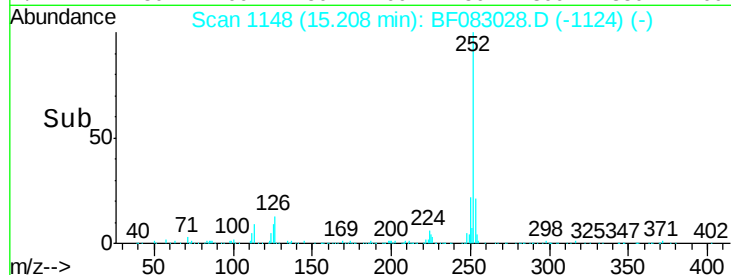
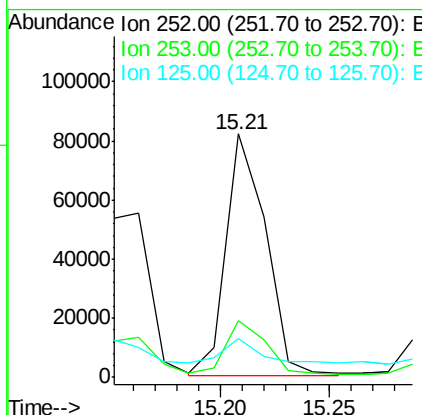
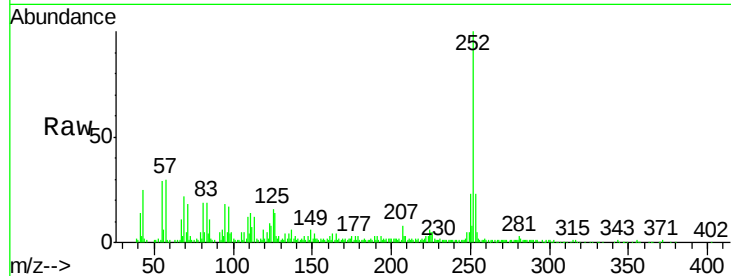
#89
Benzo(a)pyrene
Concen: 7.68 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Instrument :
BNA_F
ClientSampleId :
V1S2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	15.8	7.1	10.7

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#91
Benzo(g,h,i)perylene
Concen: 5.21 ng
RT: 16.98 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.2	28.8
138	17.2	13.1	19.7

