

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
 Data File : BF084844.D
 Acq On : 4 Feb 2016 22:32
 Operator : SJ/IZ
 Sample : H1320-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)

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Quant Time: Feb 05 03:04:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	148107	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	629932	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	270597	20.00	ng	-0.02
63) Phenanthrene-d10	11.18	188	409636	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	298644	20.00	ng	-0.01
86) Perylene-d12	15.20	264	320134	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1019180	107.18	ng	-0.01
7) Phenol-d6	6.33	99	1370423	116.26	ng	-0.01
23) Nitrobenzene-d5	7.24	82	744008	66.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	288421	102.18	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	1125815	64.76	ng	-0.02
78) Terphenyl-d14	12.77	244	776202	58.90	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	217856	10.57	ng	# 91
51) Acenaphthene	9.74	154	38898	2.21	ng	98
54) Dibenzofuran	9.92	168	44981	2.09	ng	93
57) Fluorene	10.26	166	48538	2.71	ng	97
70) Phenanthrene	11.21	178	624531	27.49	ng	98
71) Anthracene	11.26	178	144940	6.33	ng	98
72) Carbazole	11.43	167	45713	2.29	ng	97
74) Fluoranthene	12.40	202	747884	32.52	ng	98
77) Pyrene	12.63	202	693274	30.32	ng	100
80) Benzo(a)anthracene	13.81	228	294865m	15.91	ng	
82) Chrysene	13.85	228	221015m	12.30	ng	
85) Indeno(1,2,3-cd)pyrene	16.48	276	167508m	11.84	ng	
87) Benzo(b)fluoranthene	14.82	252	348467m	16.20	ng	
88) Benzo(k)fluoranthene	14.83	252	100228m	5.64	ng	
89) Benzo(a)pyrene	15.14	252	277012	15.11	ng	97
90) Dibenzo(a,h)anthracene	16.48	278	34849m	2.26	ng	
91) Benzo(g,h,i)perylene	16.85	276	171372	11.03	ng	98

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



#1

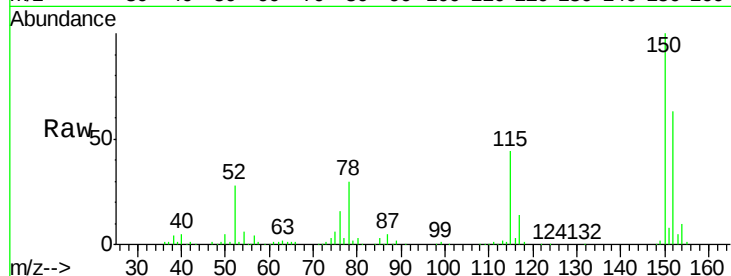
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

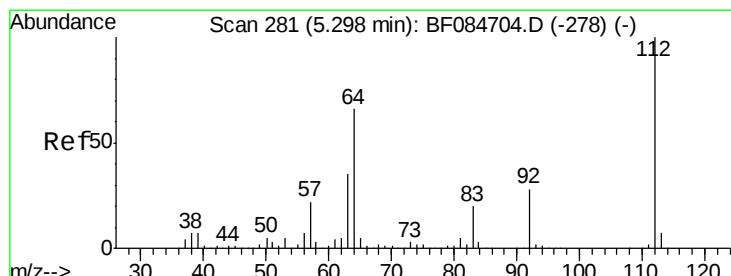
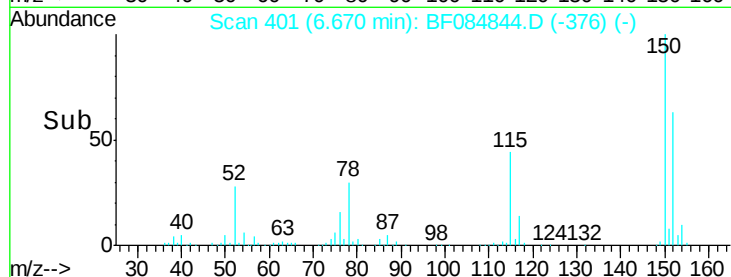
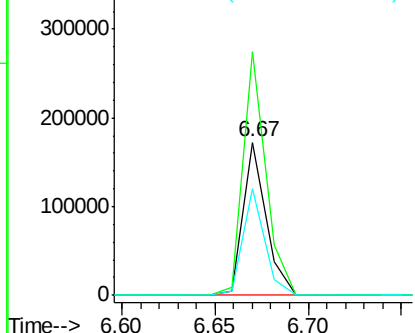
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.0	184.4
115	70.0	51.4	77.2

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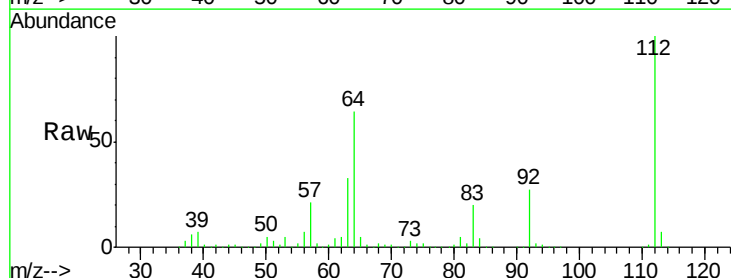
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



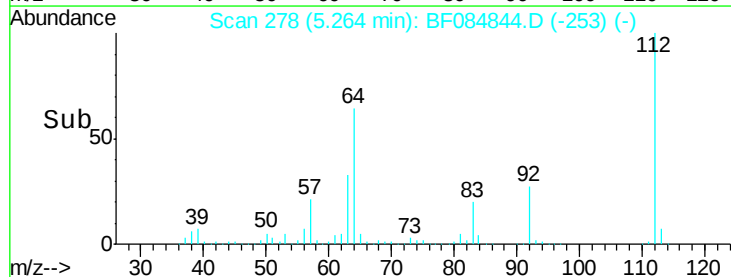
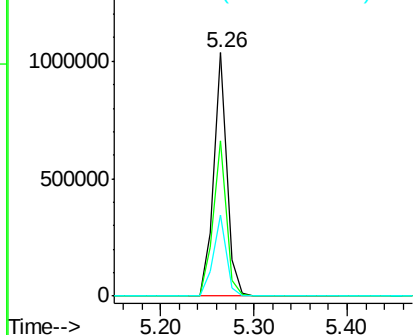
#5

2-Fluorophenol
Concen: 107.18 ng
RT: 5.26 min Scan# 278
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	36.6	55.0#
63	33.2	19.4	29.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.26 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

Tot Ion: 99 Resp: 1370423

Ion Ratio Lower Upper

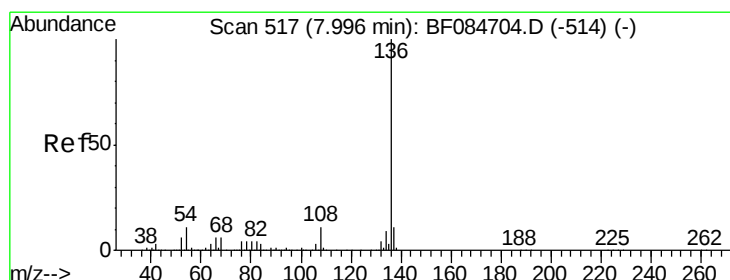
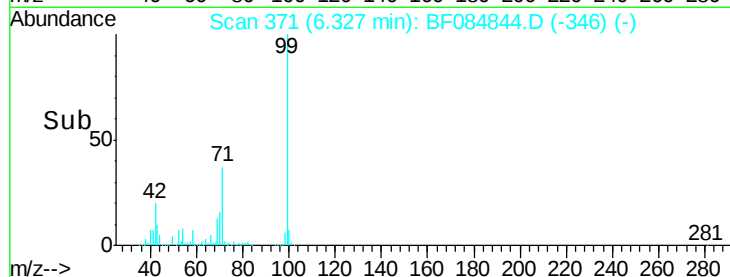
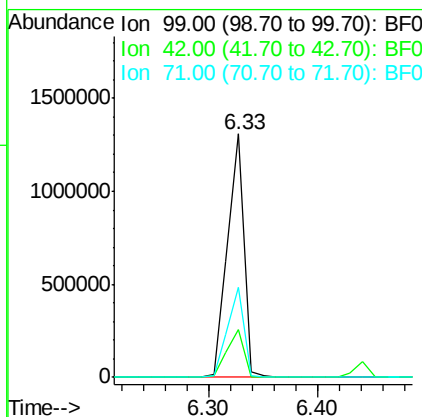
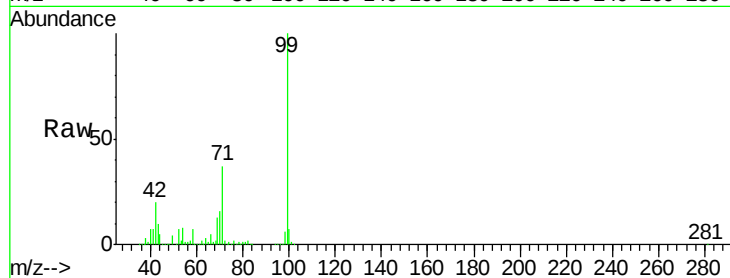
99 100

42 19.7 12.8 19.2#

71 37.2 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Tgt Ion: 136 Resp: 629932

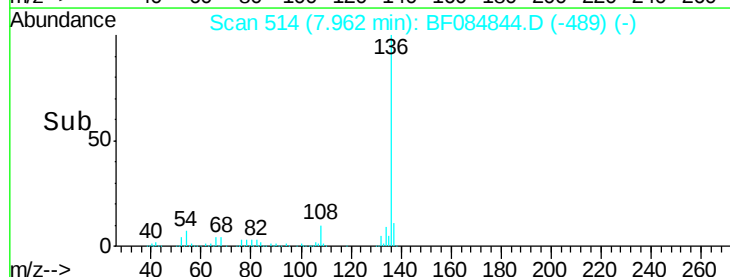
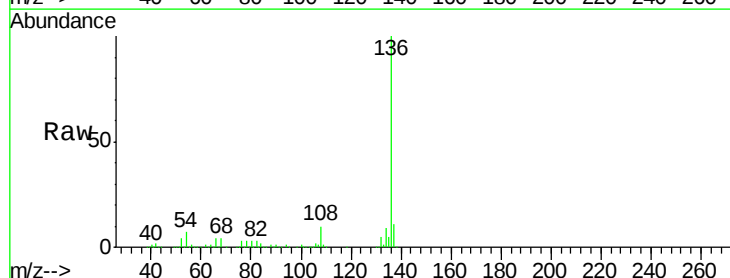
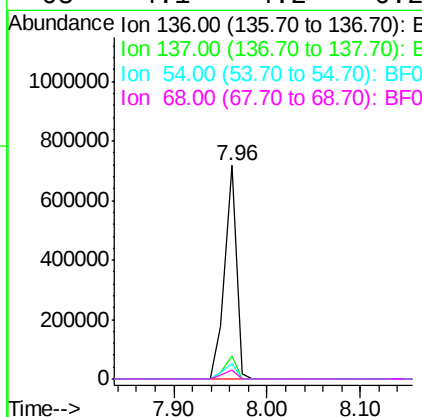
Ion Ratio Lower Upper

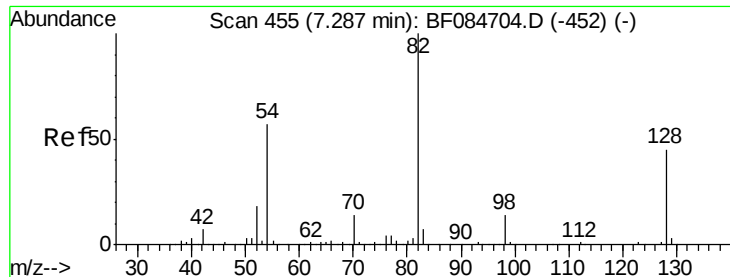
136 100

137 10.6 8.7 13.1

54 7.0 5.8 8.8

68 4.1 4.2 6.2#





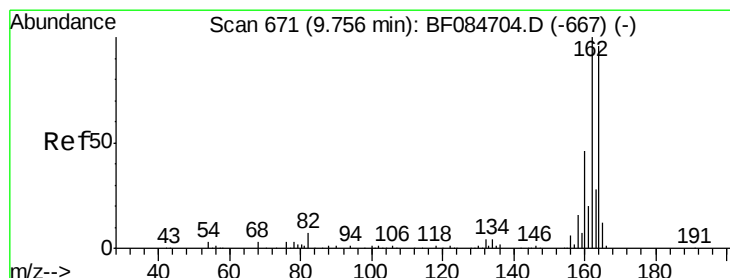
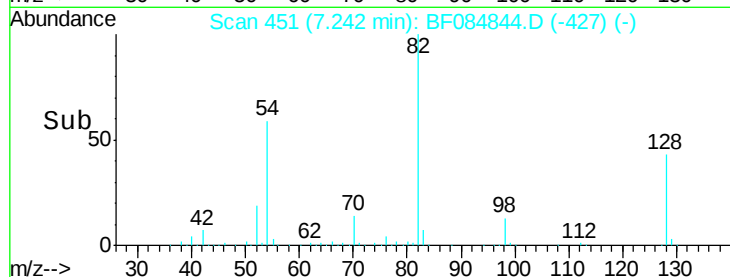
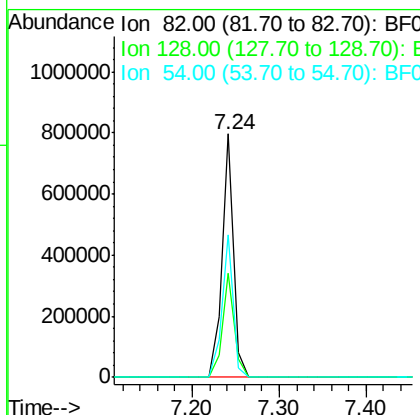
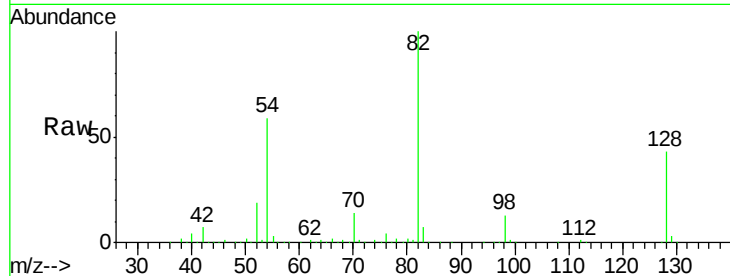
#23
 Nitrobenzene-d5
 Concen: 66.53 ng
 RT: 7.24 min Scan# 451
 Delta R.T. -0.02 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	51.8
54	58.6	38.4	57.6

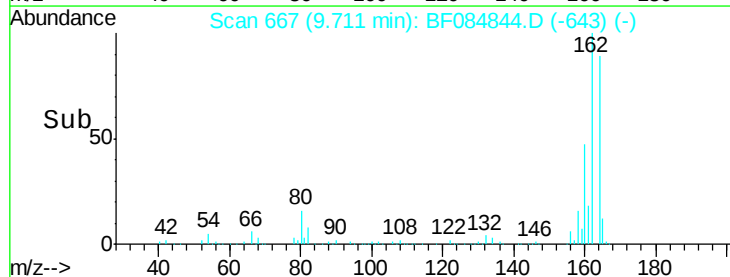
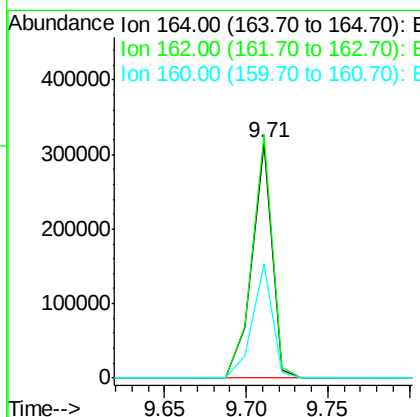
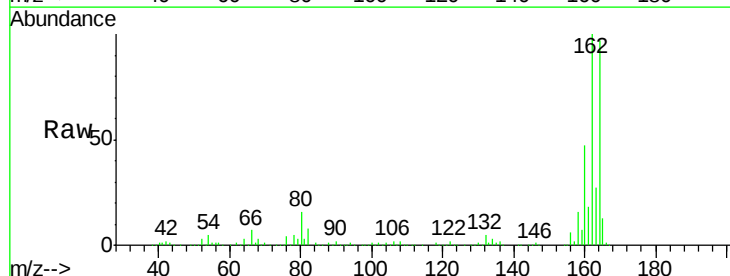
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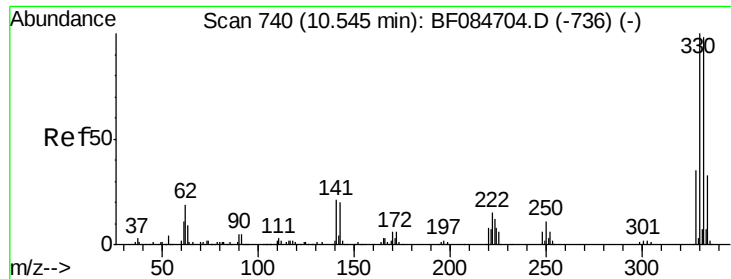
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	85.1	127.7
160	48.4	37.5	56.3





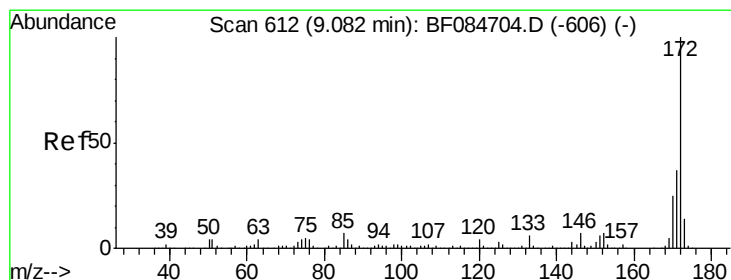
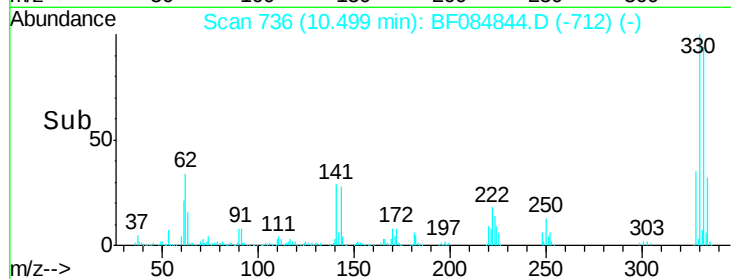
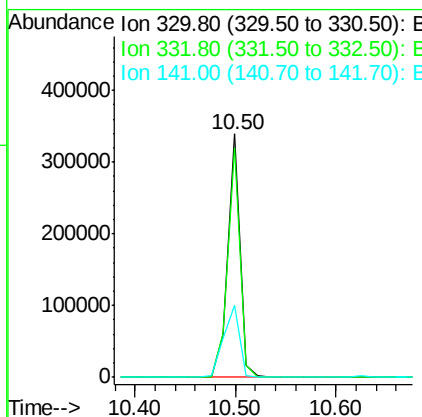
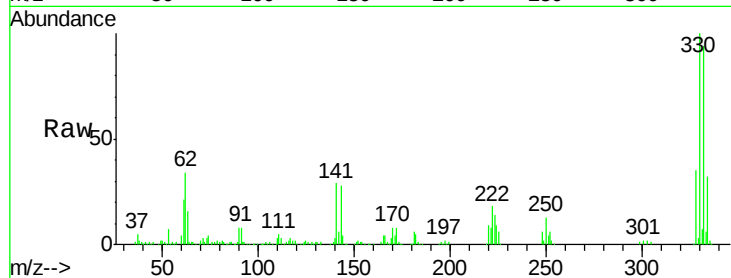
#41
 2,4,6-Tribromophenol
 Concen: 102.18 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	288421		
332	95.7	76.6	114.8	
141	38.6	27.8	41.6	

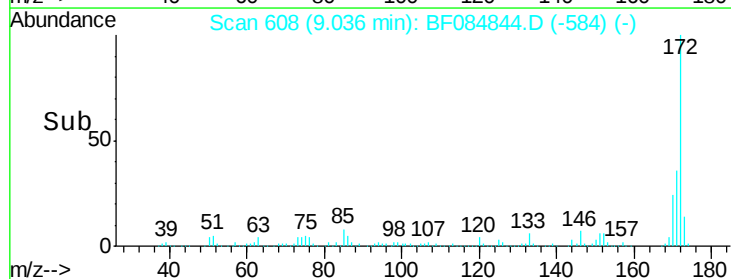
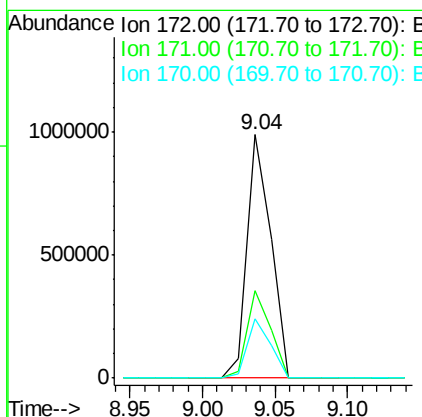
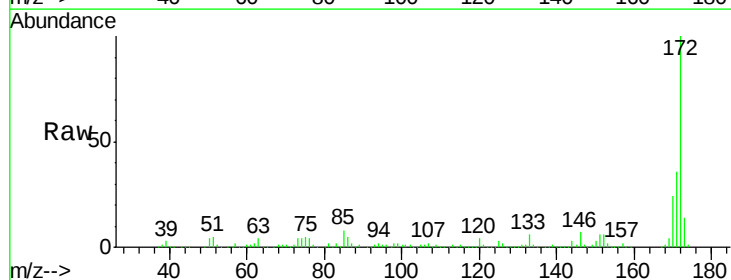
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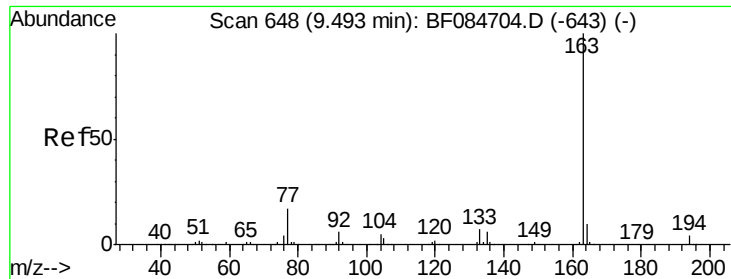
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#44
 2-Fluorobiphenyl
 Concen: 64.76 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084844.D
 Acq: 4 Feb 2016 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1125815		
171	35.9	28.9	43.3	
170	24.5	18.6	27.8	





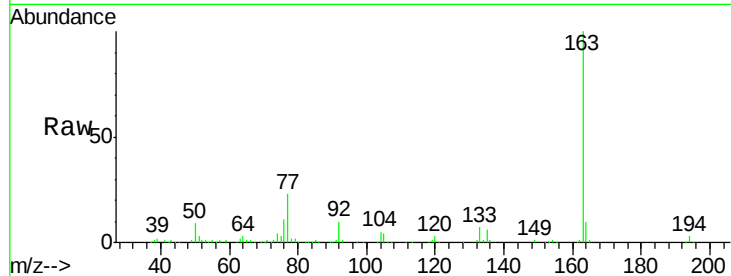
#49
Dimethylphthalate
Concen: 10.57 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

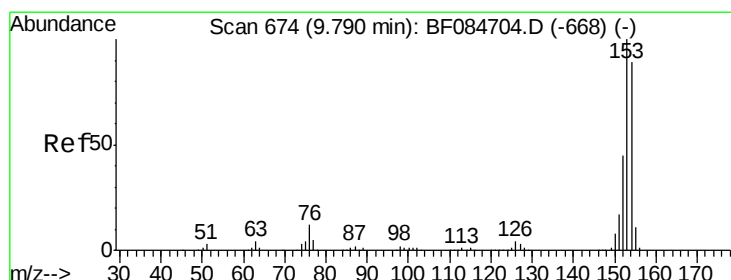
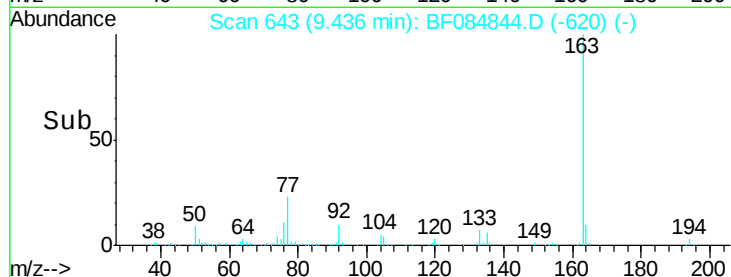
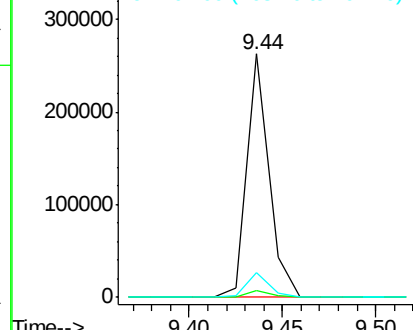
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	8.0	12.0#
164	9.9	8.0	12.0

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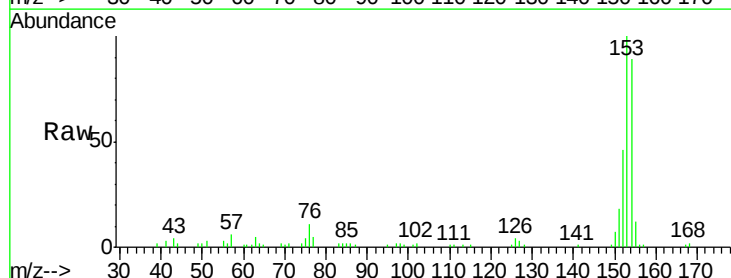


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

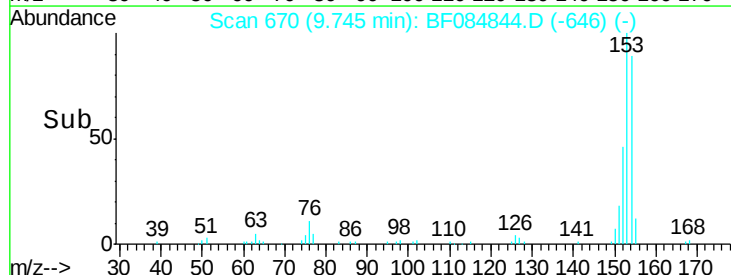
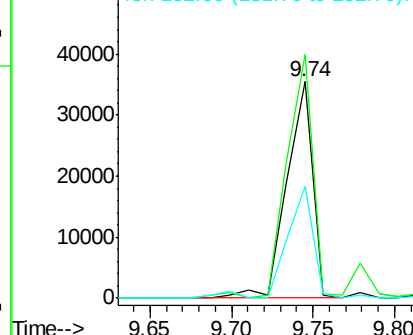


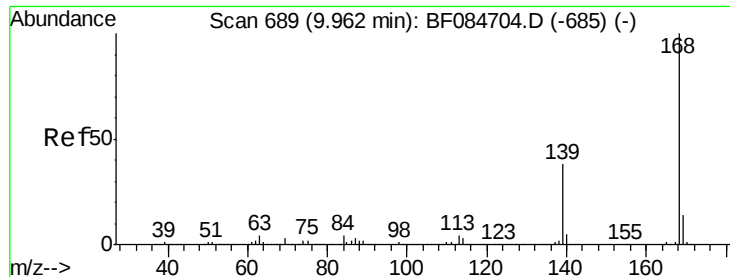
#51
Acenaphthene
Concen: 2.21 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.6	91.5	137.3
152	51.9	43.0	64.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





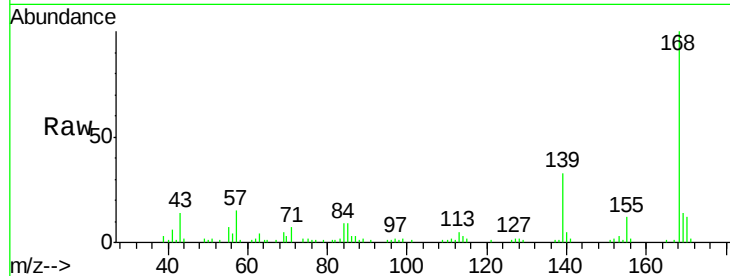
#54
Dibenzofuran
Concen: 2.09 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.02 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.0	30.5	45.7
169	13.7	10.4	15.6

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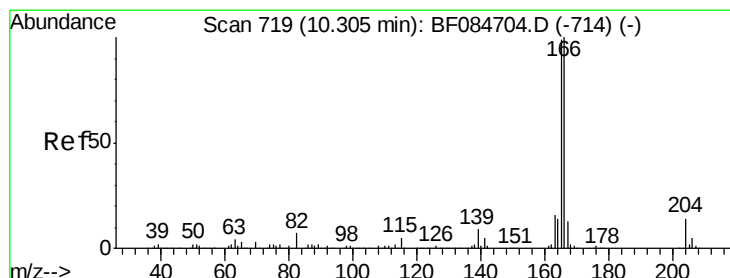
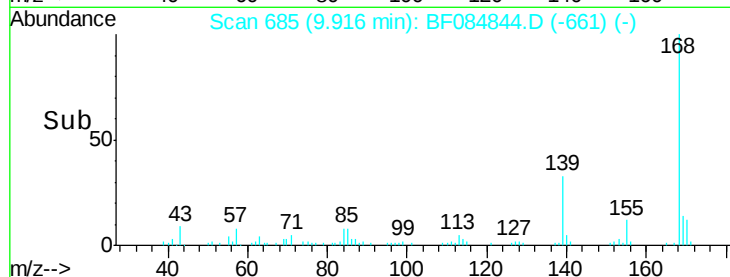
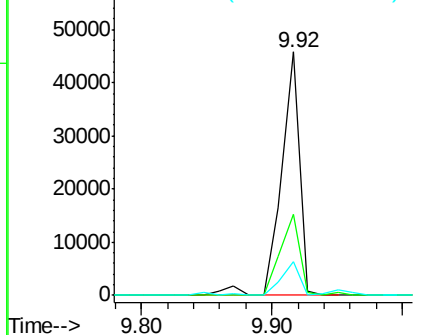


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 2.71 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

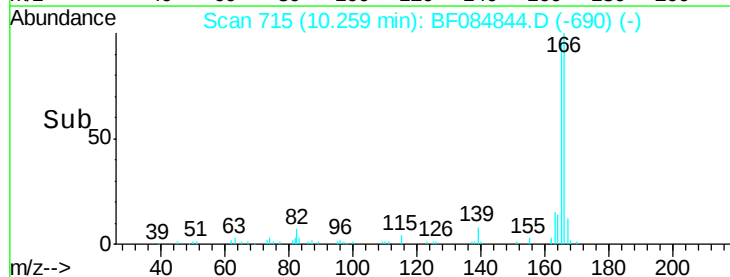
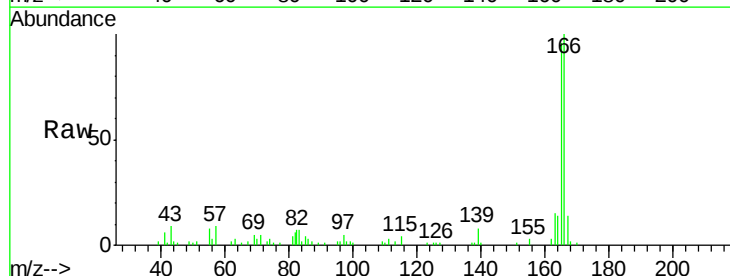
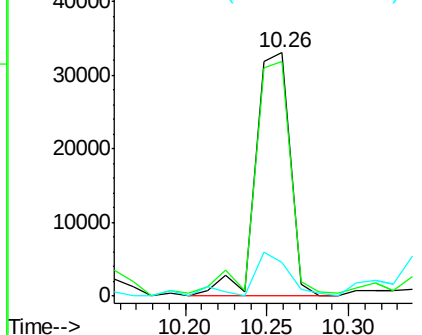
Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.1	79.1	118.7
167	13.7	10.4	15.6

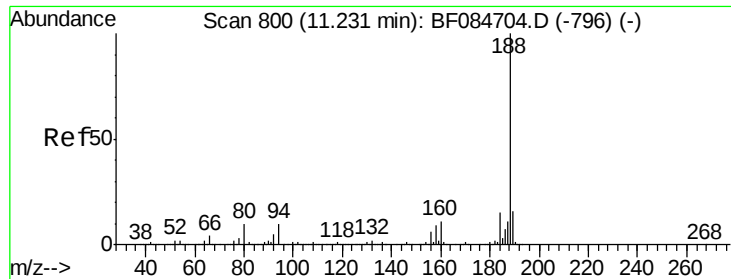
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

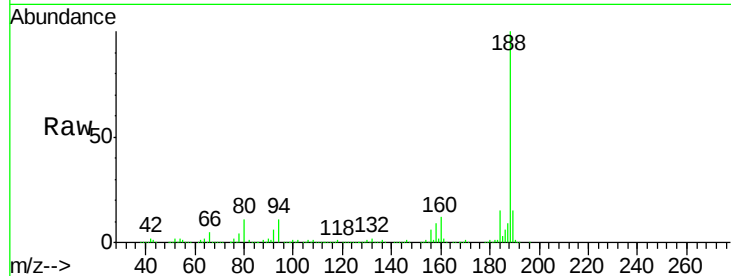
ClientSampleId :

S4-B019(11-13)

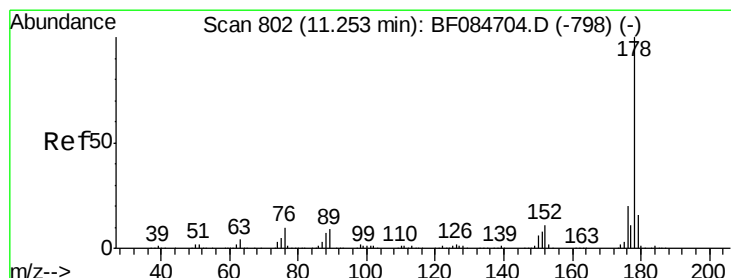
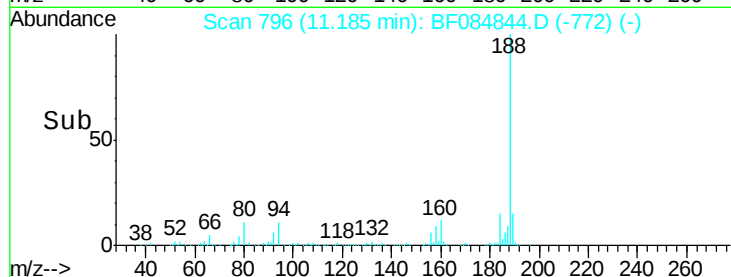
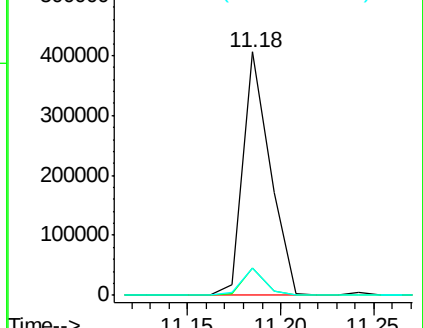
Tot Ion:	188	Resp:	409636
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.0	13.4
80	11.3	9.6	14.4

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Abundance Ion 188.00 (187.70 to 188.70): E



#70

Phenanthrene

Concen: 27.49 ng

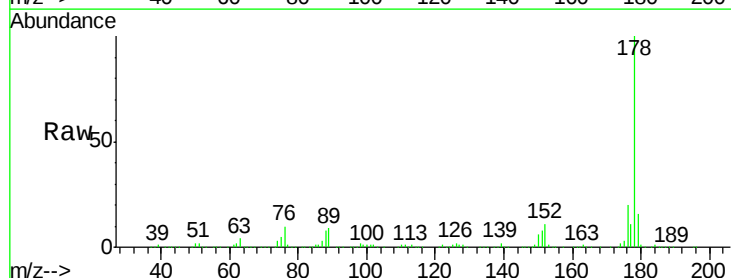
RT: 11.21 min Scan# 798

Delta R.T. -0.02 min

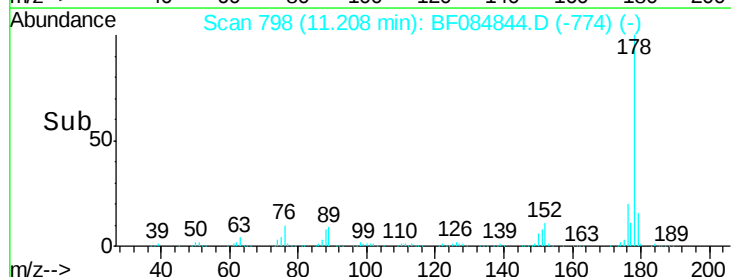
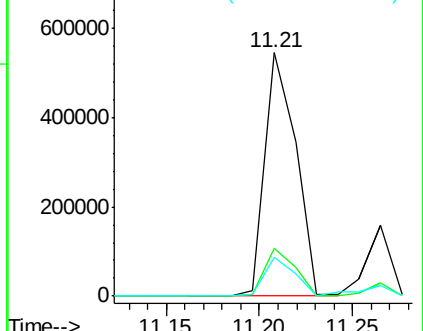
Lab File: BF084844.D

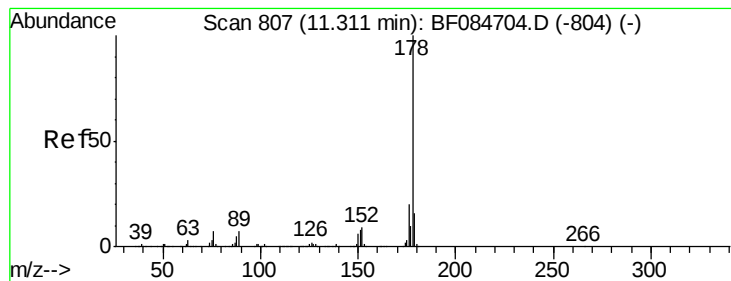
Acq: 4 Feb 2016 22:32

Tgt Ion:	178	Resp:	624531
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.3	22.9
179	15.9	12.0	18.0



Abundance Ion 178.00 (177.70 to 178.70): E





#71

Anthracene

Concen: 6.33 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

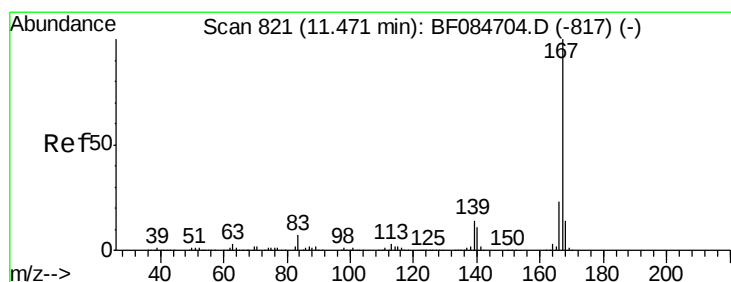
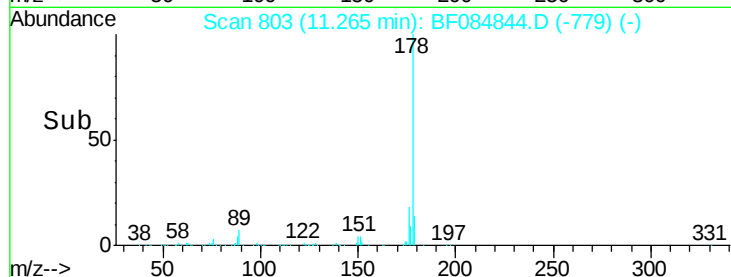
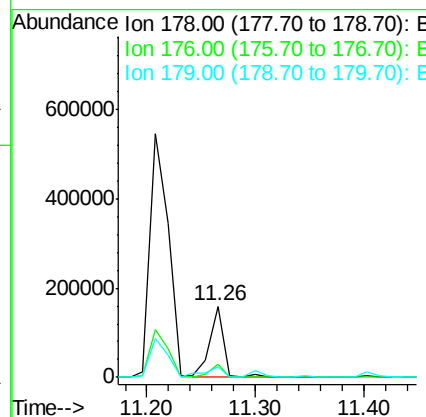
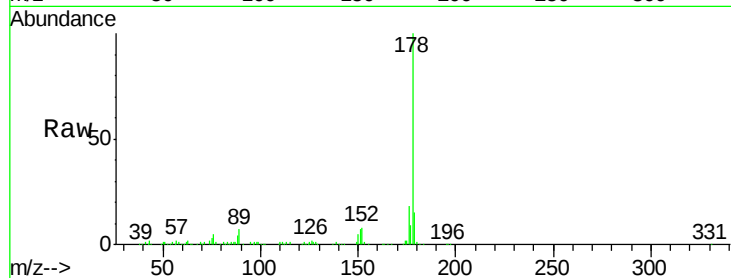
ClientSampleId :

S4-B019(11-13)

Tot Ion:	178	Resp:	144940
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.0
179	14.5	12.5	18.7

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#72

Carbazole

Concen: 2.29 ng

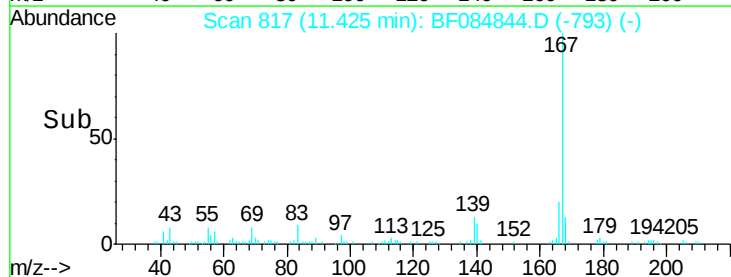
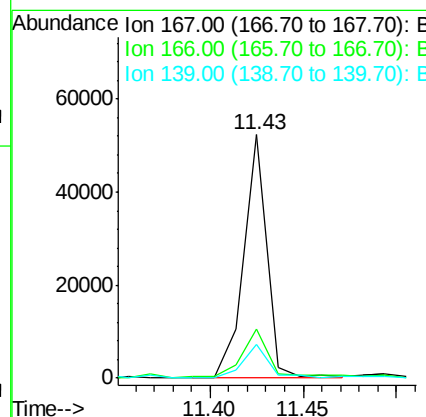
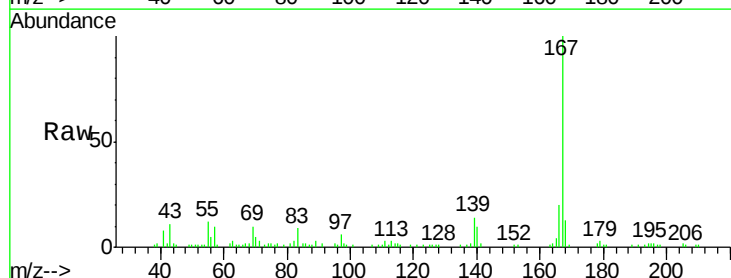
RT: 11.43 min Scan# 817

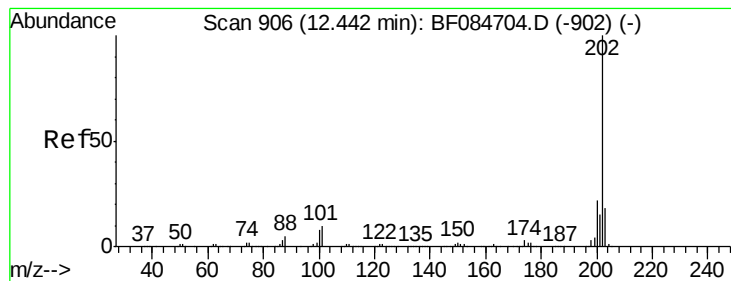
Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Tgt Ion:	167	Resp:	45713
Ion Ratio	Lower	Upper	
167	100		
166	20.4	17.6	26.4
139	13.6	11.8	17.8





#74

Fluoranthene

Concen: 32.52 ng

RT: 12.40 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

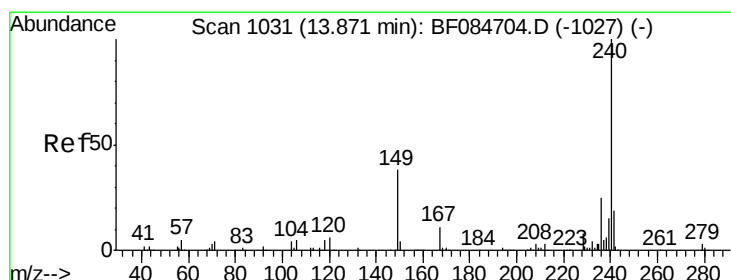
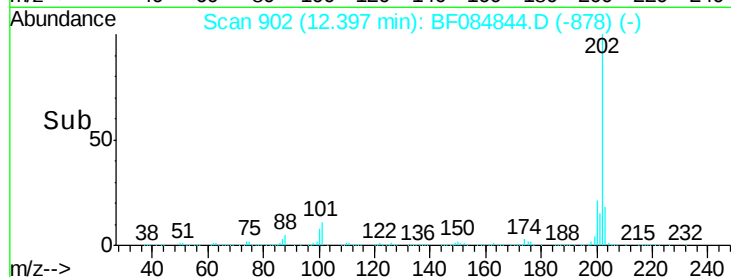
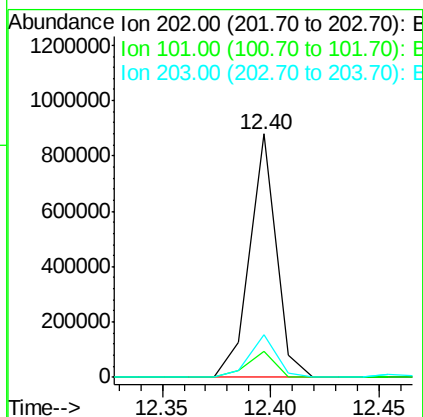
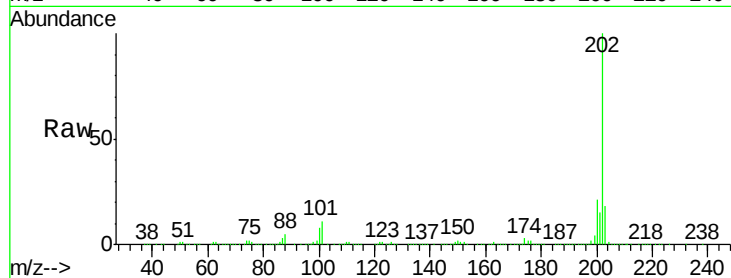
ClientSampleId :

S4-B019(11-13)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		747884		
101	10.8	0.0	32.8		
203	17.6	0.0	37.9		

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#75

Chrysene-d12

Concen: 20.00 ng

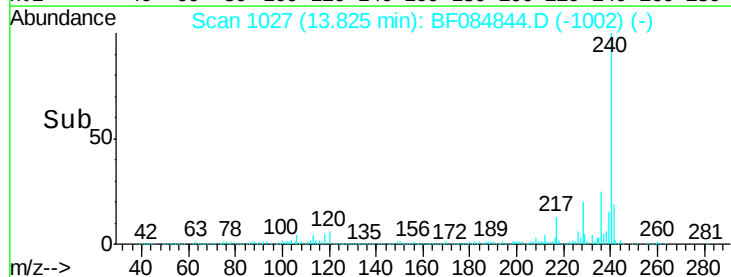
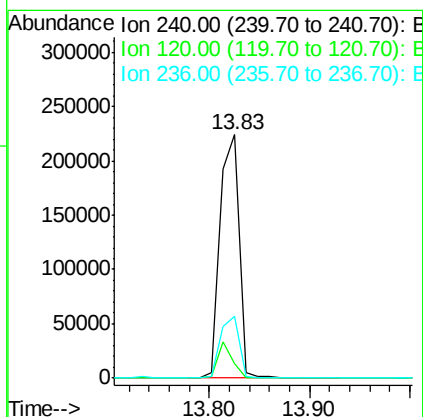
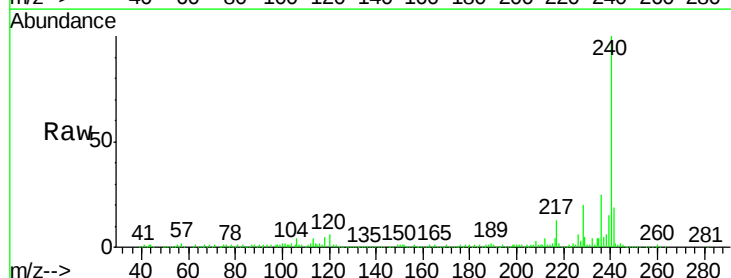
RT: 13.83 min Scan# 1027

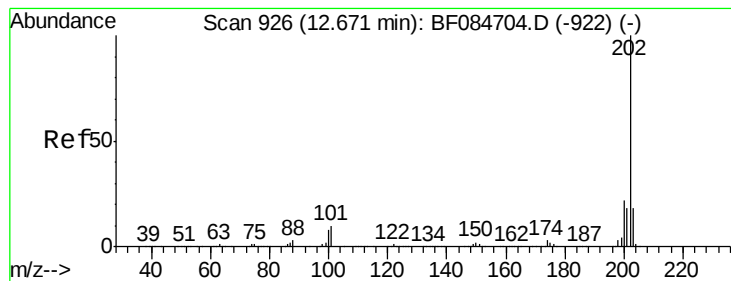
Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		298644		
120	5.7	9.5	14.3#		
236	25.3	20.6	31.0		





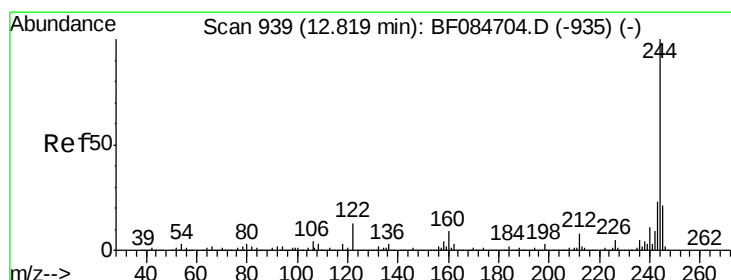
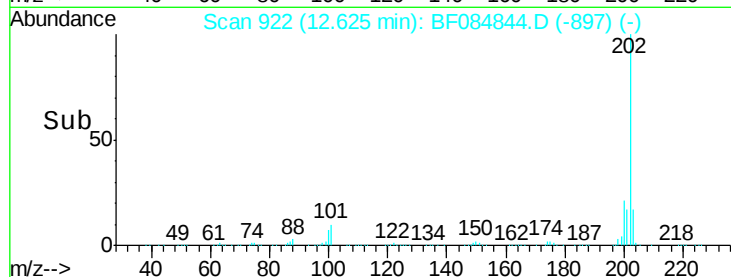
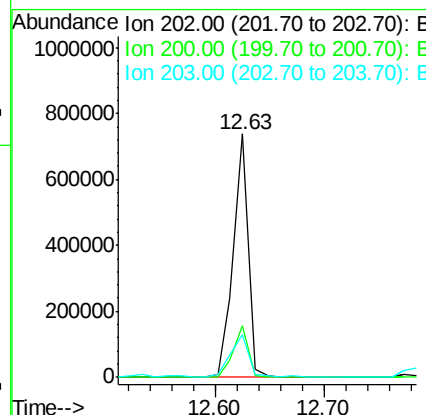
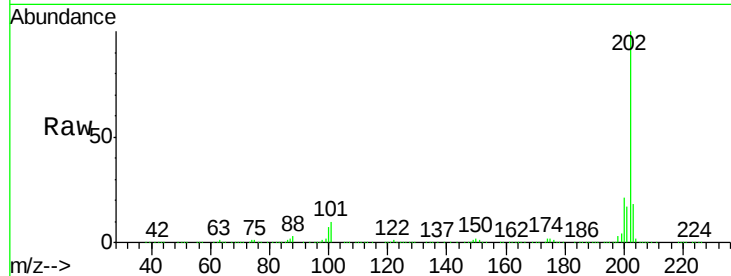
#77
Pvrene
Concen: 30.32 ng
RT: 12.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.5	14.3	21.5

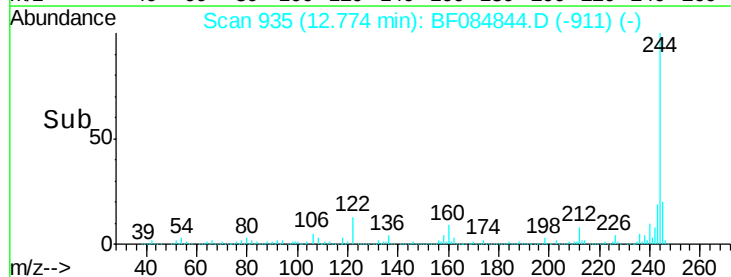
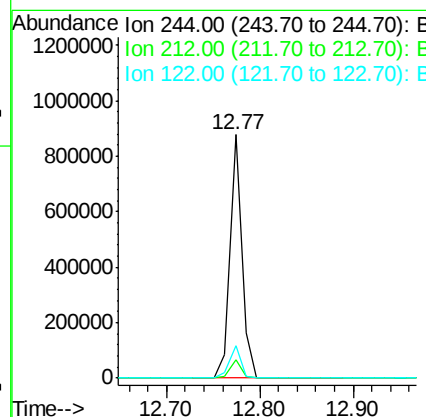
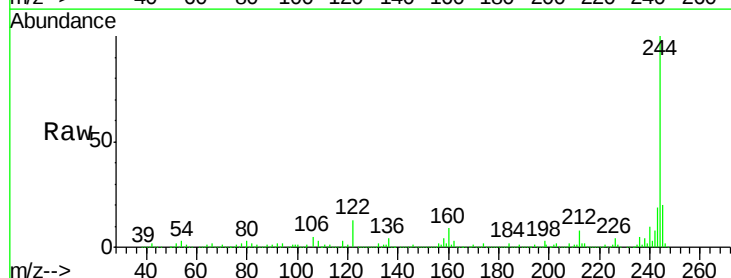
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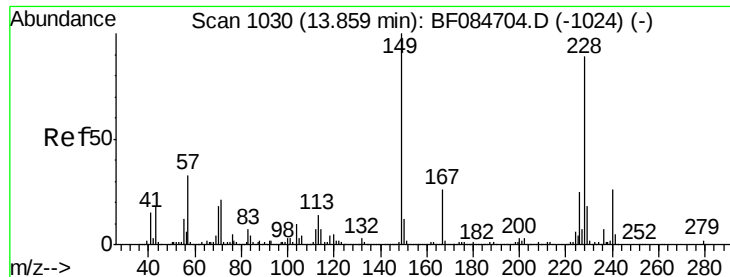
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#78
Terphenyl-d14
Concen: 58.90 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	13.4	7.4	11.0





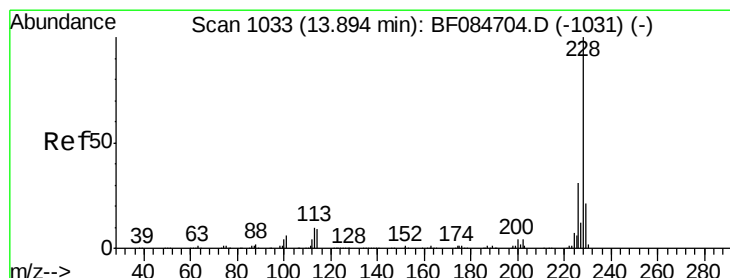
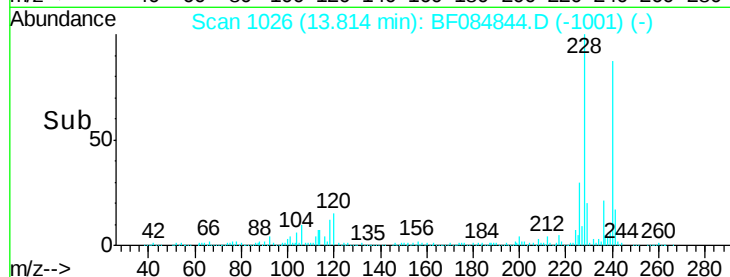
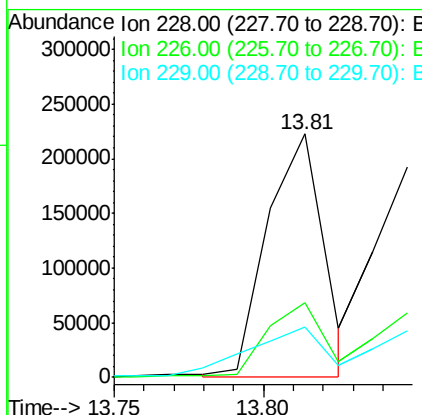
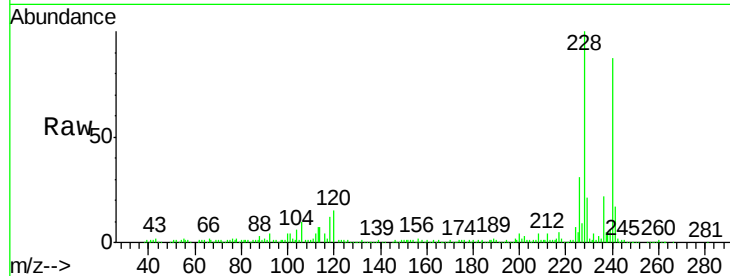
#80
Benzo(a)anthracene
Concen: 15.91 ng m
RT: 13.81 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.8	32.6
229	20.7	15.8	23.8

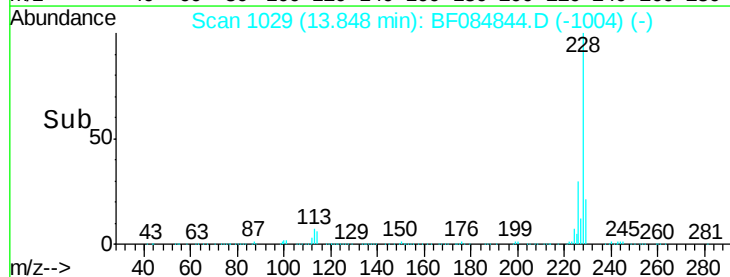
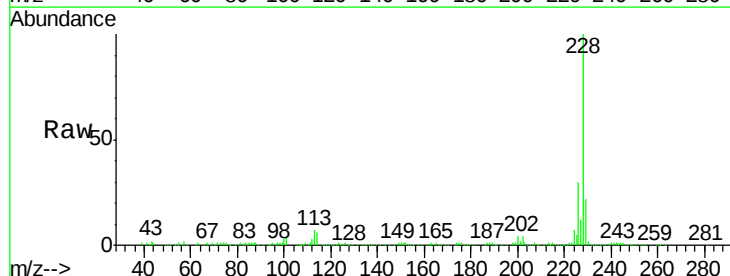
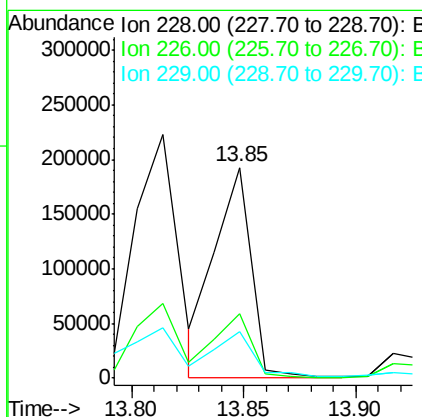
Manual Integrations
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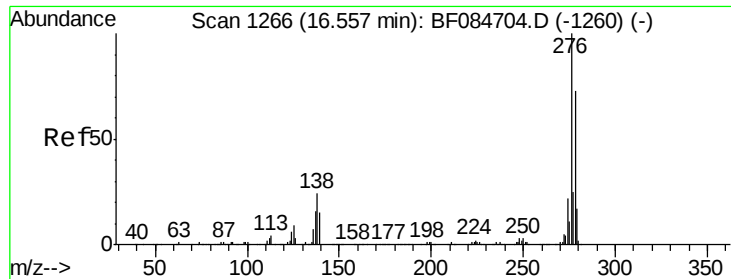
mohammad
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#82
Chrysene
Concen: 12.30 ng m
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	22.3	16.1	24.1





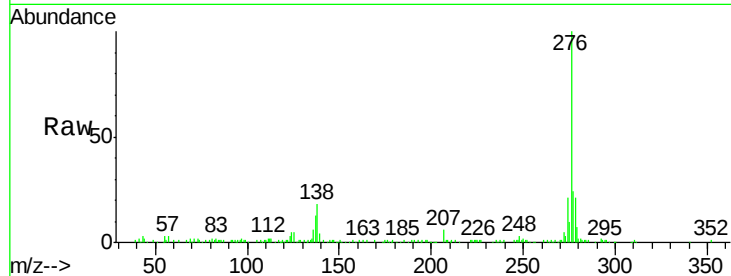
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.84 ng/mL
RT: 16.48 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	167508		
138	4.8	20.6	30.8	#
277	4.7	20.1	30.1	#

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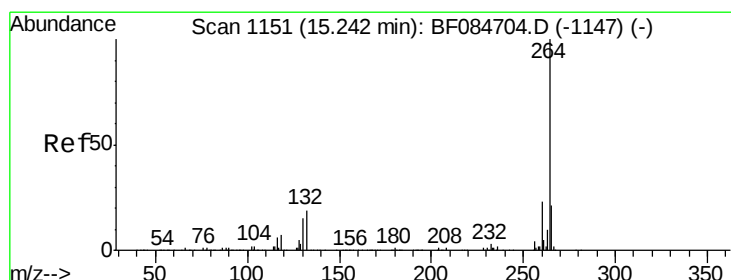
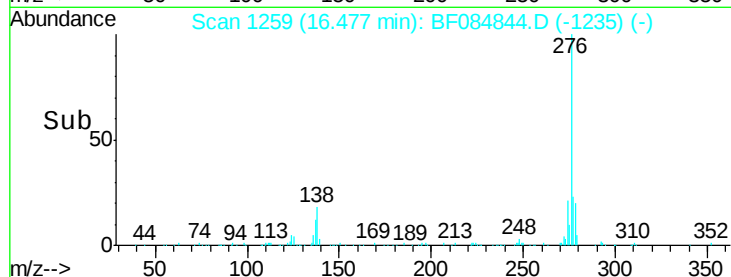
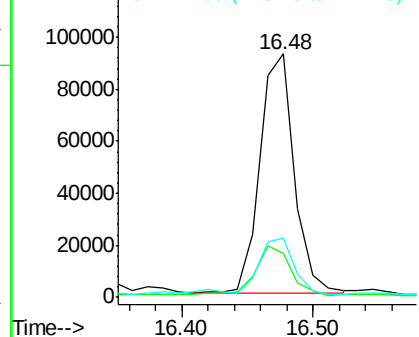


Abundance

Ion 276.00 (275.70 to 276.70): E

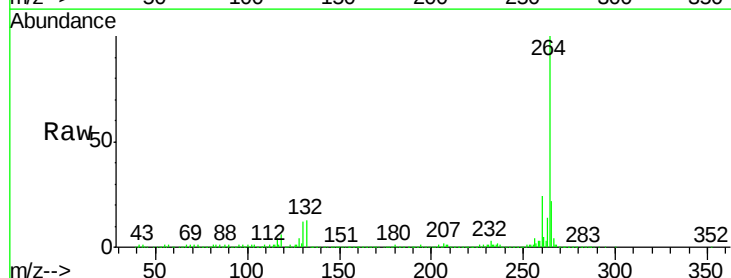
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	320134		
260	24.2	19.4	29.2	
265	22.4	17.8	26.6	

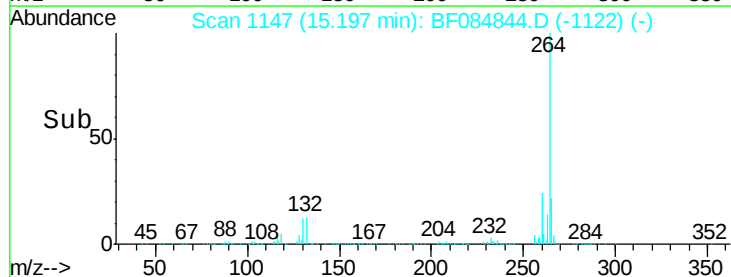
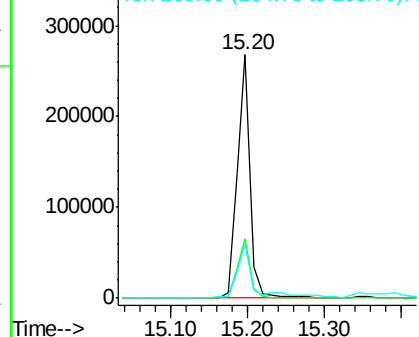


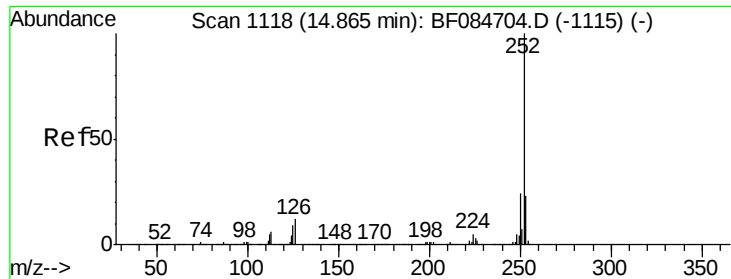
Abundance

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: 16.20 ng m

RT: 14.82 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Instrument :

BNA_F

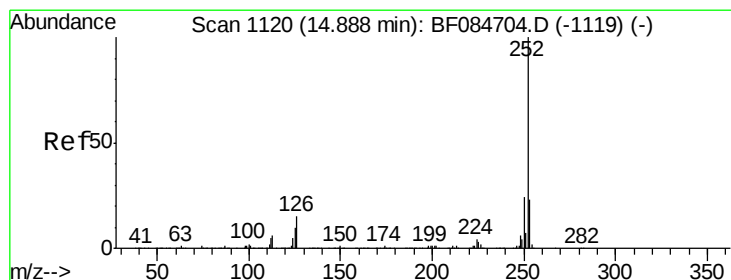
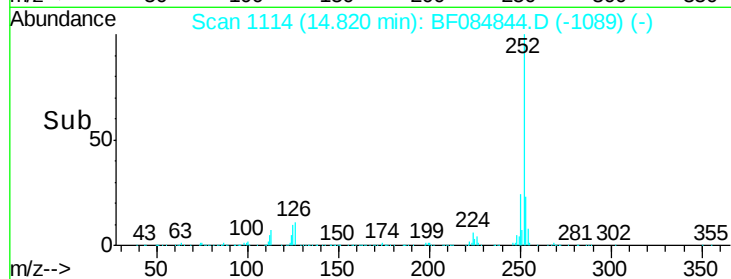
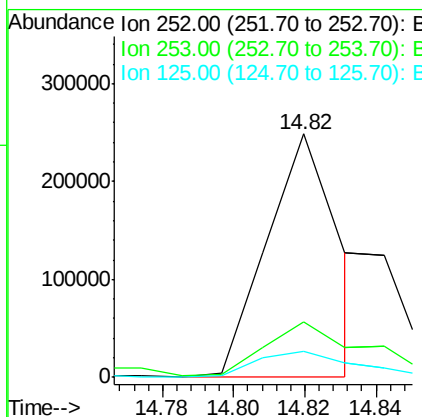
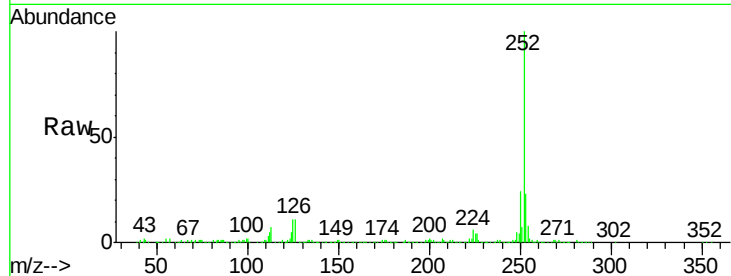
ClientSampleId :

S4-B019(11-13)

Tot Ion:	252	Resp:	348467
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.3	25.9
125	10.7	6.5	9.7

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#88

Benzo(k)fluoranthene

Concen: 5.64 ng m

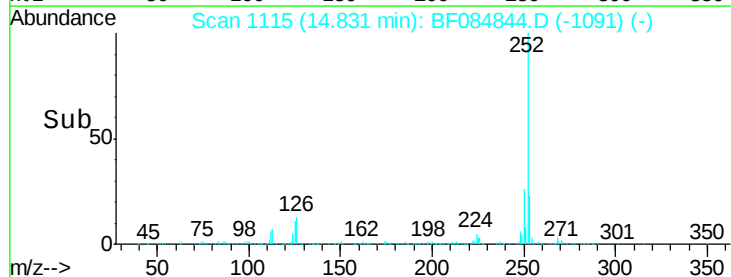
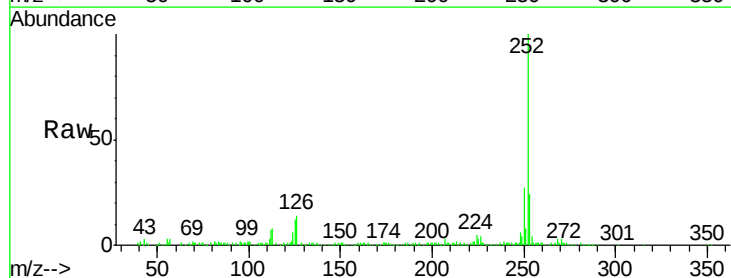
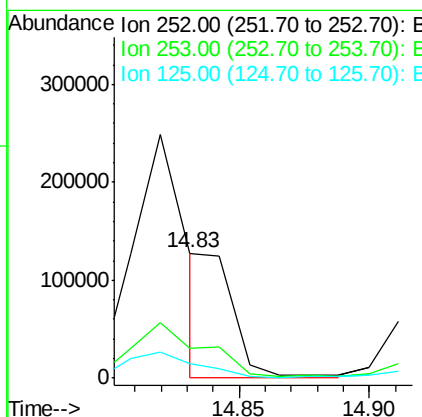
RT: 14.83 min Scan# 1115

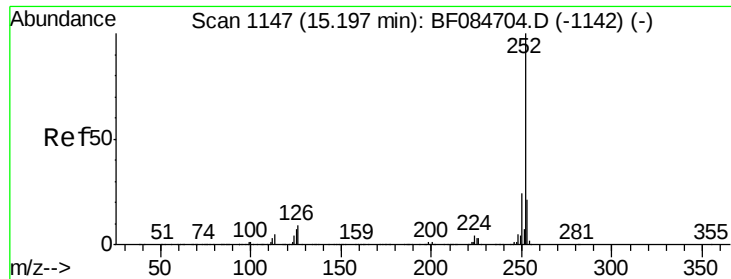
Delta R.T. -0.02 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Tgt Ion:	252	Resp:	100228
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.1	27.1
125	11.7	9.0	13.6





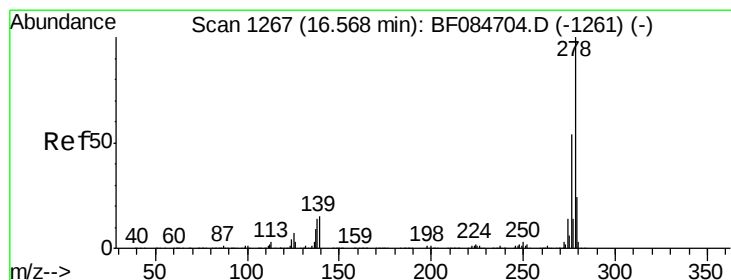
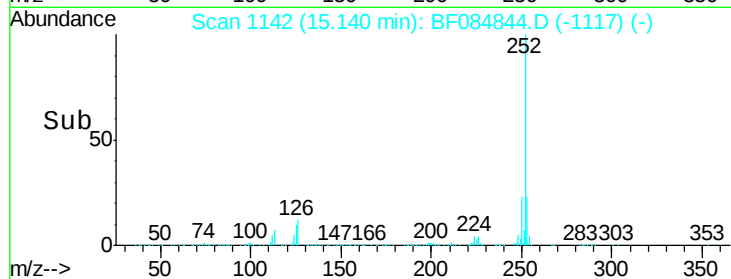
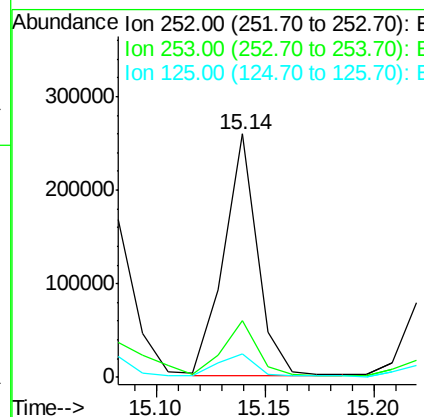
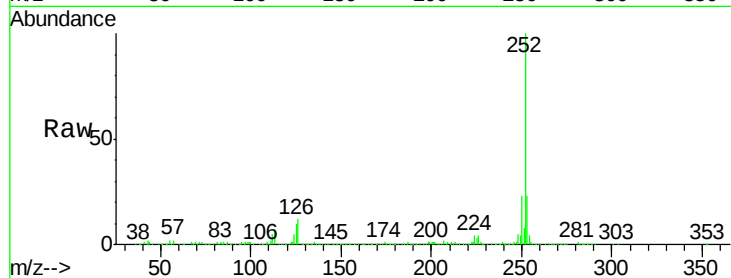
#89
Benzo(a)pyrene
Concen: 15.11 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	17.3	25.9
125	9.7	7.0	10.4

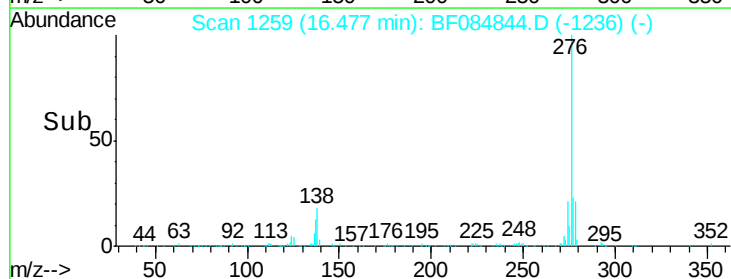
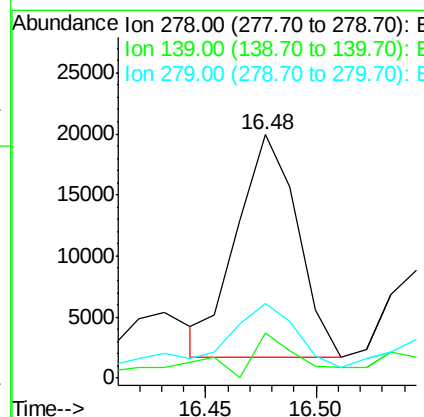
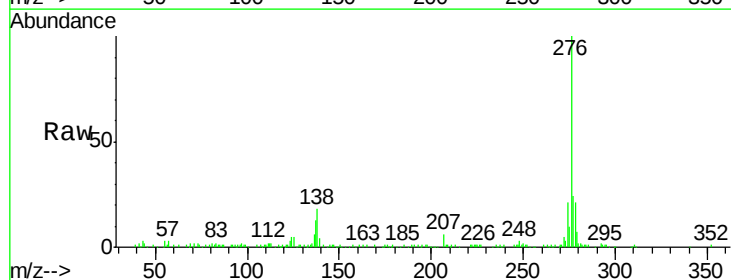
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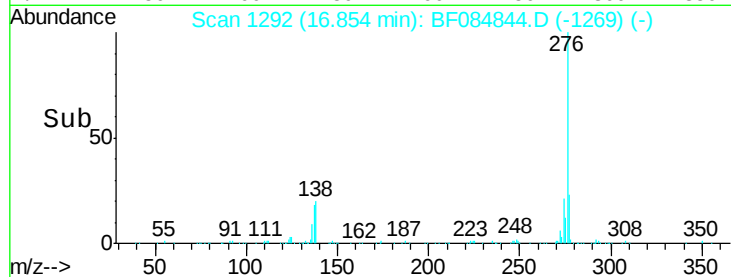
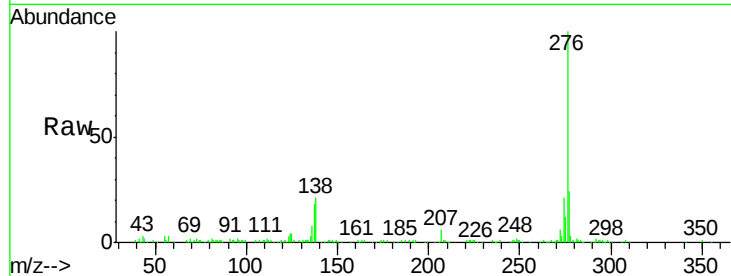
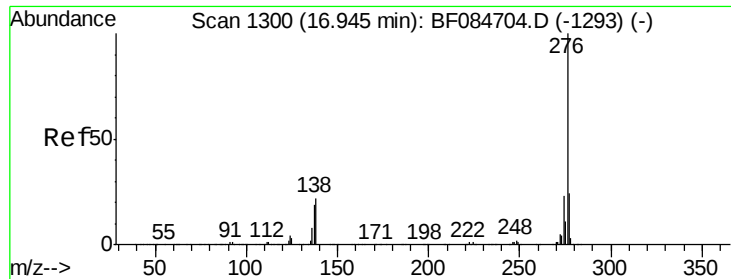
mohammad
2/5/2016 1:49:04 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.26 ng m
RT: 16.48 min Scan# 1259
Delta R.T. -0.03 min
Lab File: BF084844.D
Acq: 4 Feb 2016 22:32

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	18.6	15.0	22.4
279	30.6	18.9	28.3





#91

Benzo(a,h,i)perylene

Concen: 11.03 ng

RT: 16.85 min Scan# 1292

Delta R.T. -0.03 min

Lab File: BF084844.D

Acq: 4 Feb 2016 22:32

Tot Ion:	276	Resp:	171372
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.8	28.2
138	21.1	17.8	26.6

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)

Manual Integrations
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