

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
 Data File : BF090355.D
 Acq On : 4 Oct 2016 21:23
 Operator : UM/SJ
 Sample : H4982-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-10

Manual Integrations
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Quant Time: Oct 05 03:47:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 14:16:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	249788	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	833273	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	379790	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	650428	20.00	ng	0.00
75) Chrysene-d12	14.20	240	720528	20.00	ng	0.00
86) Perylene-d12	15.71	264	618578	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	2085137	131.66	ng	0.00
7) Phenol-d6	6.63	99	2969565	150.01	ng	0.00
23) Nitrobenzene-d5	7.57	82	1818858	127.24	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	448302	135.91	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2484553	106.66	ng	0.00
78) Terphenyl-d14	13.14	244	2249084	72.67	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.91	152	86995	2.61	ng	97
49) Dimethylphthalate	9.77	163	744683	33.12	ng	98
70) Phenanthrene	11.57	178	480824	13.78	ng	96
71) Anthracene	11.62	178	160813	4.62	ng	96
74) Fluoranthene	12.76	202	911598	27.54	ng	99
77) Pyrene	12.99	202	894880	19.40	ng	98
80) Benzo(a)anthracene	14.19	228	514606	12.74	ng	95
82) Chrysene	14.22	228	497800m	13.15	ng	
85) Indeno(1,2,3-cd)pyrene	17.24	276	210394	5.17	ng	94
87) Benzo(b)fluoranthene	15.26	252	567997m	15.97	ng	
88) Benzo(k)fluoranthene	15.28	252	277012m	8.15	ng	
89) Benzo(a)pyrene	15.64	252	418259	12.89	ng	# 84
91) Benzo(g,h,i)perylene	17.70	276	214075	6.87	ng	# 91

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

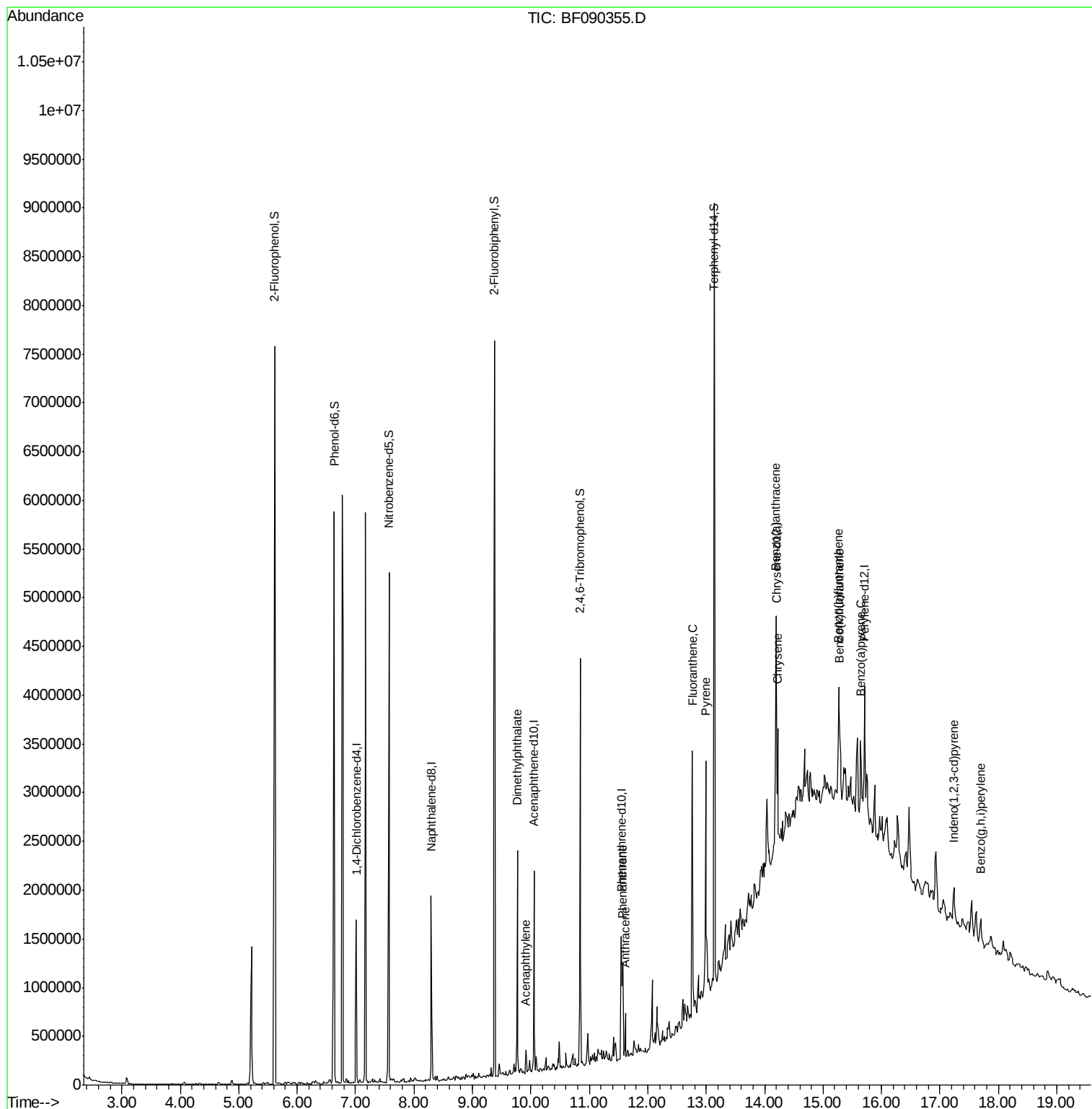
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090355.D
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Sample : H4982-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

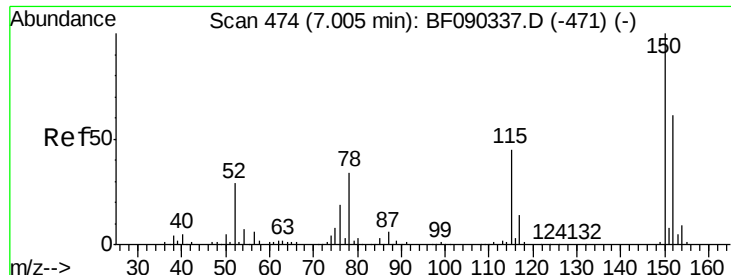
Instrument :
BNA_F
ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
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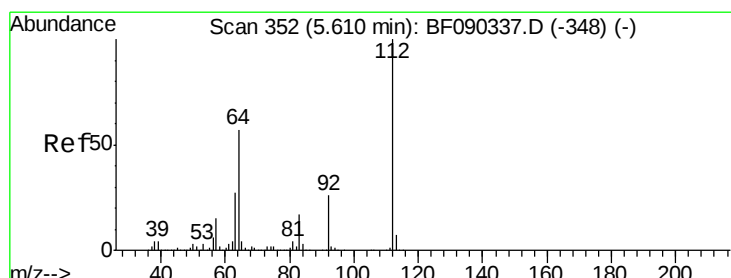
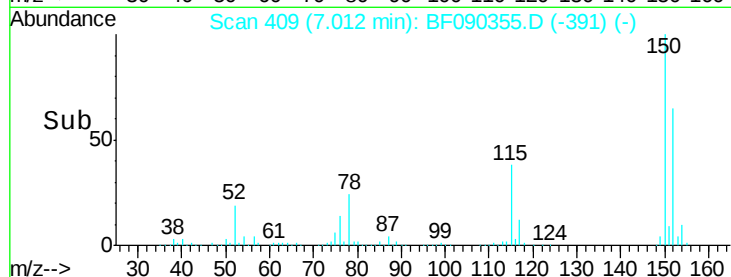
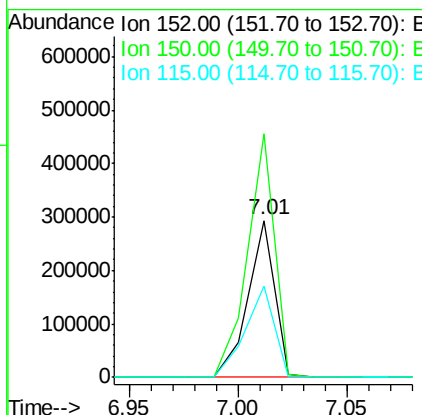
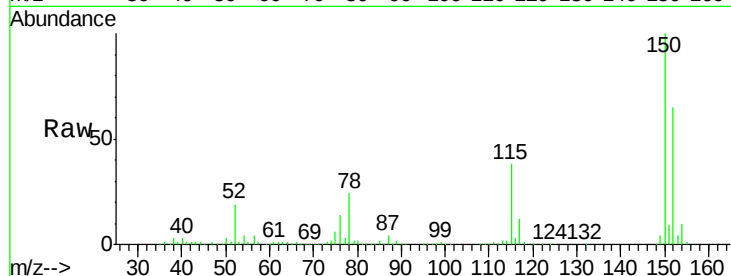
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.01 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: BF090355.D
 Acq: 4 Oct 2016 21:23

Instrument :
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 ClientSampled :
 S-10

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	58.4	46.2	69.4

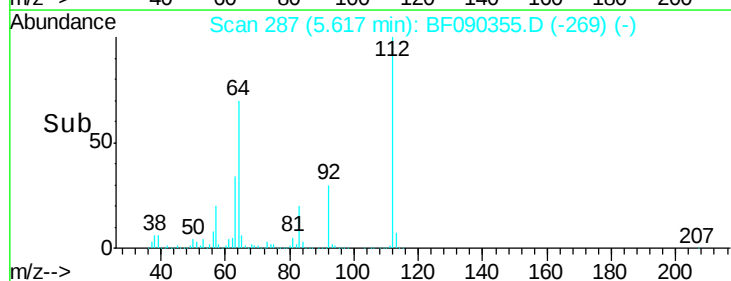
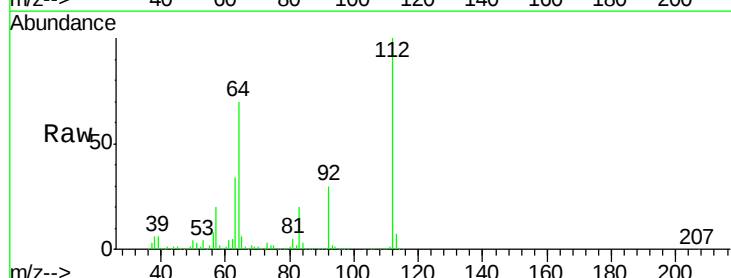
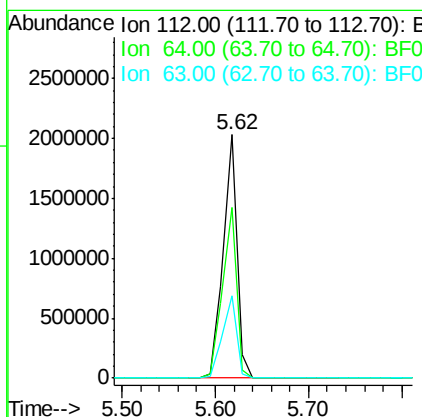
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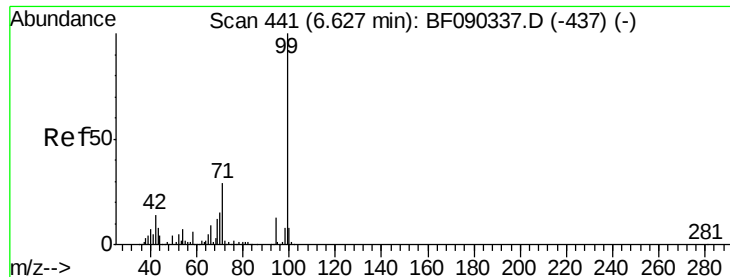
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#5
 2-Fluorophenol
 Concen: 131.66 ng
 RT: 5.62 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: BF090355.D
 Acq: 4 Oct 2016 21:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	57.9	86.9
63	34.0	29.6	44.4





#7

Phenol-d6

Concen: 150.01 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090355.D

Acq: 4 Oct 2016 21:23

Instrument :

BNA_F

ClientSampleId :

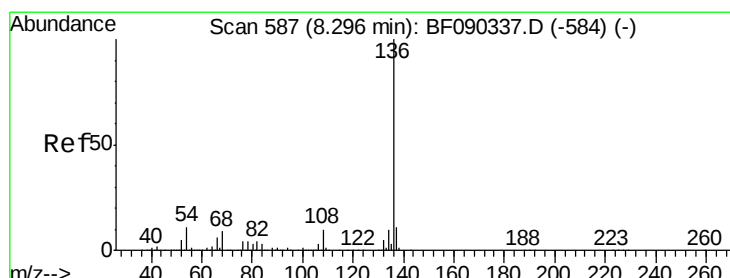
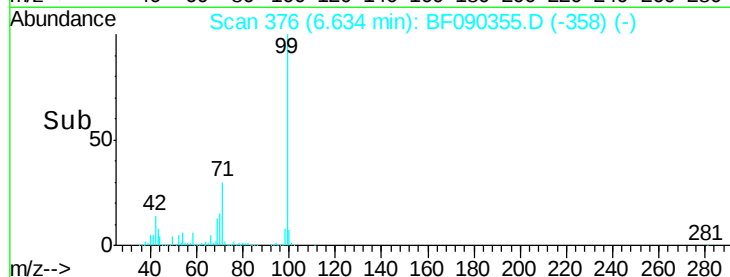
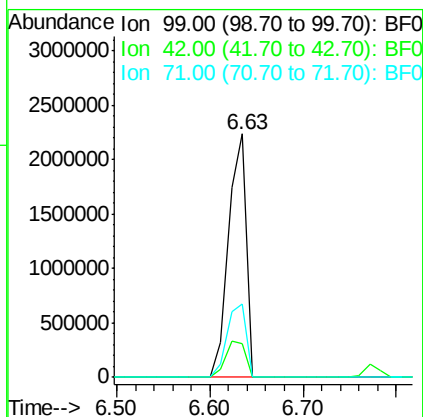
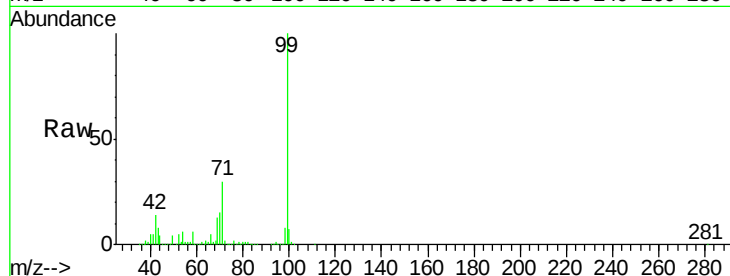
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Tgt Ion: 99 Resp: 2969565

Ion	Ratio	Lower	Upper
99	100		
42	14.0	20.0	30.0#
71	30.0	27.9	41.9

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.29 min Scan# 521

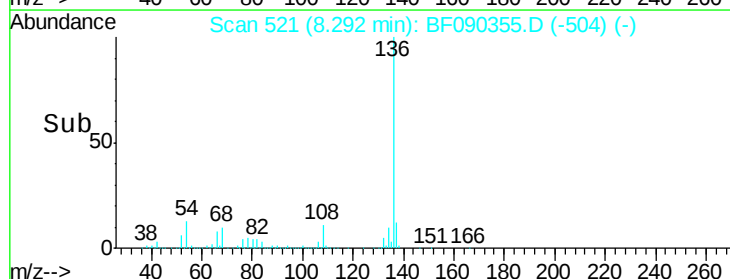
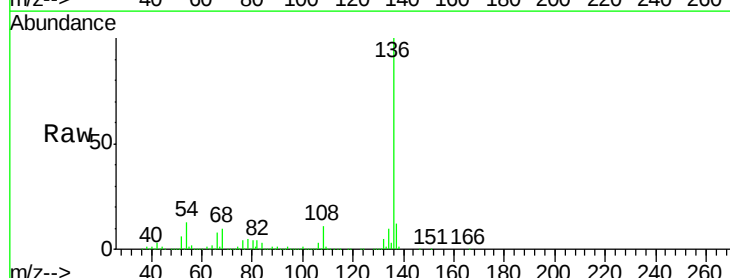
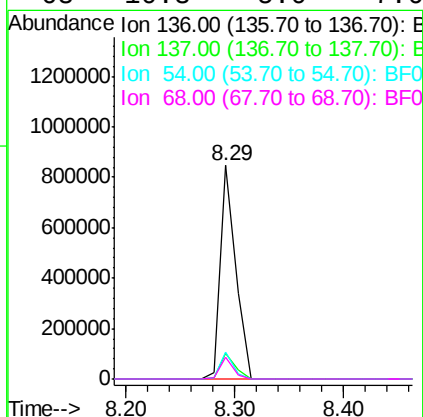
Delta R.T. -0.00 min

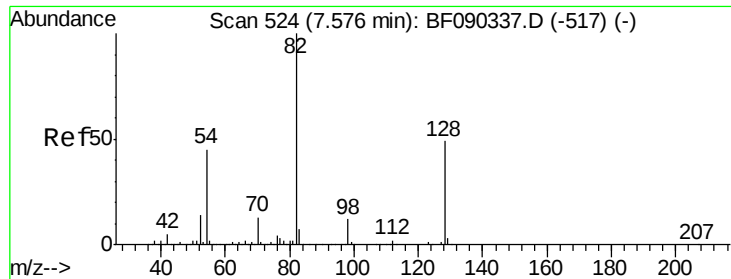
Lab File: BF090355.D

Acq: 4 Oct 2016 21:23

Tgt Ion: 136 Resp: 833273

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	12.6	6.6	10.0#
68	10.3	5.0	7.6#





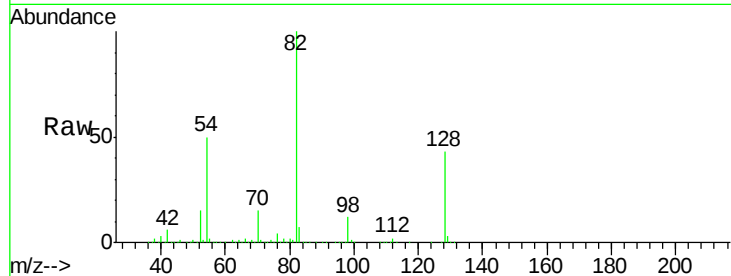
#23
Nitrobenzene-d5
Concen: 127.24 ng
RT: 7.57 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Instrument :
BNA_F
ClientSampled :
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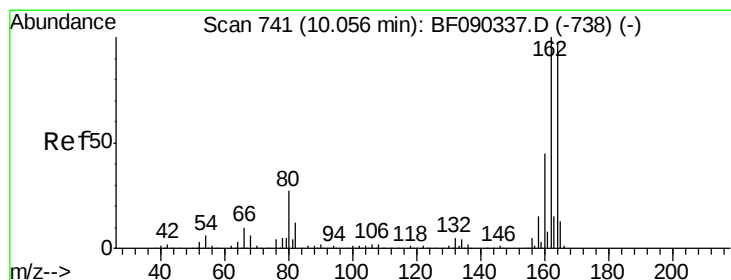
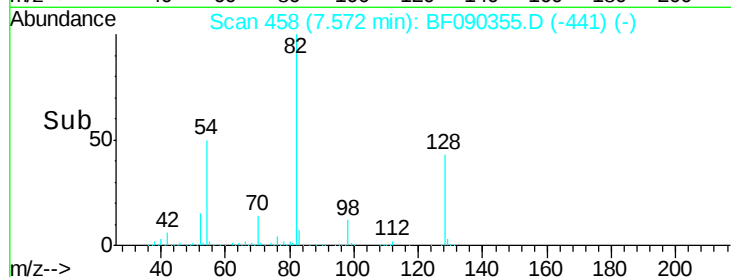
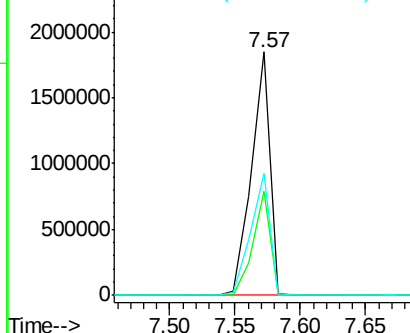
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.6	40.0	60.0
54	50.0	42.6	64.0

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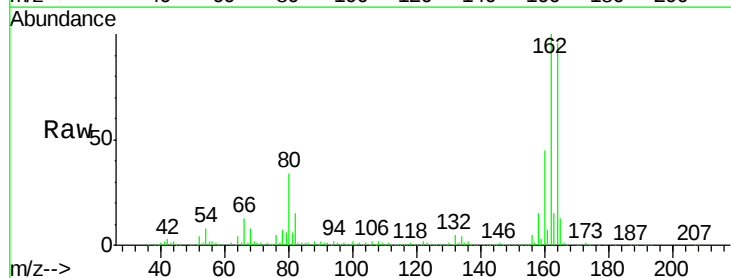


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

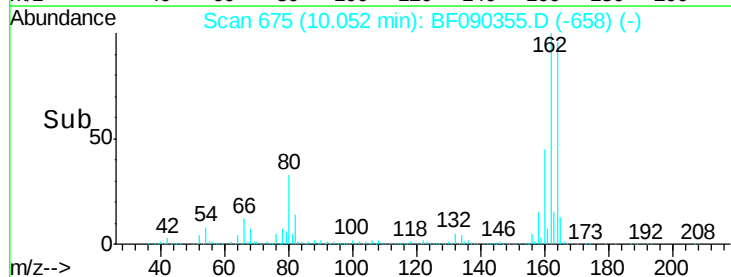
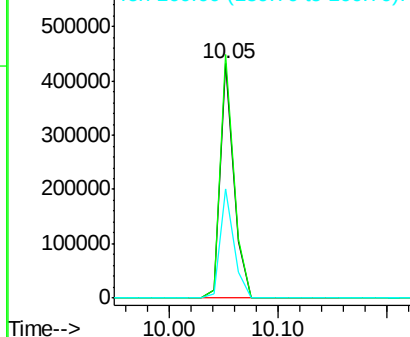


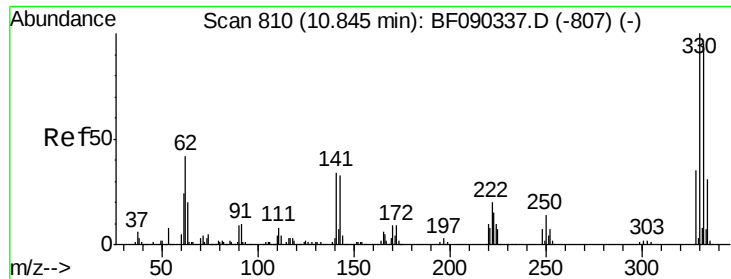
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.05 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	80.1	120.1
160	46.4	36.3	54.5



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





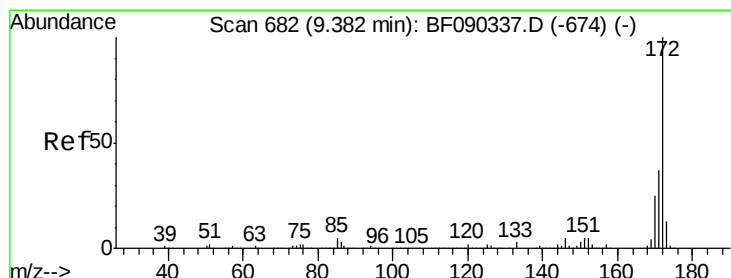
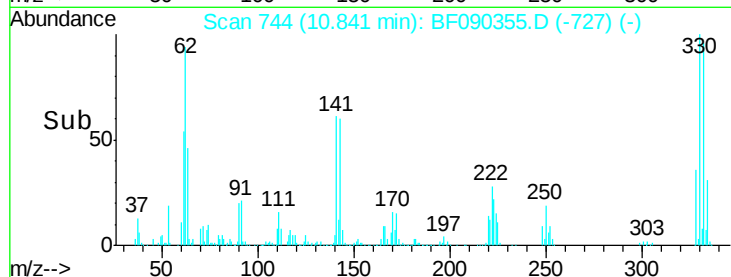
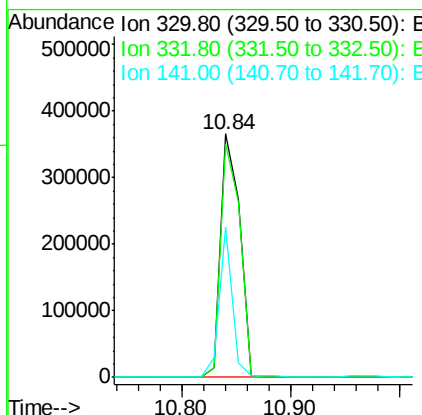
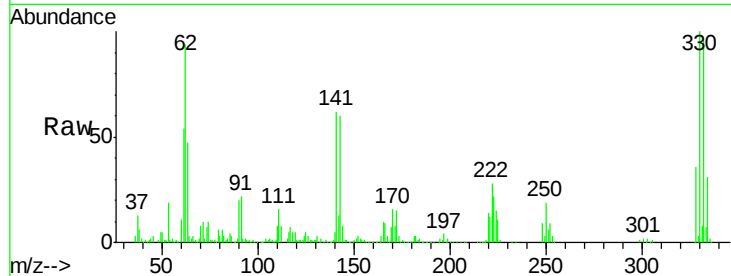
#41
 2,4,6-Tribromophenol
 Concen: 135.91 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: BF090355.D
 Acq: 4 Oct 2016 21:23

Instrument :
 BNA_F
 ClientSampled :
 S-10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	448302		
332	97.0	75.4	113.0	
141	42.7	26.9	40.3#	

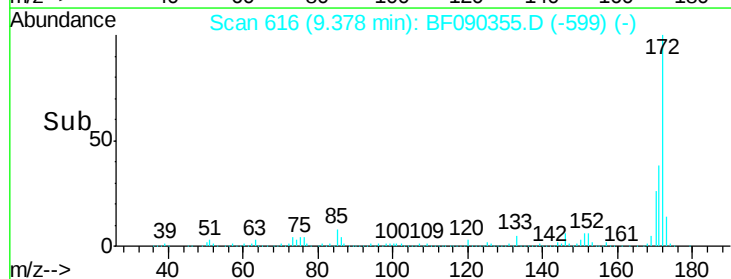
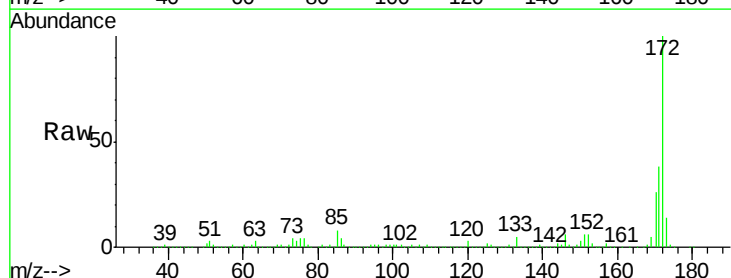
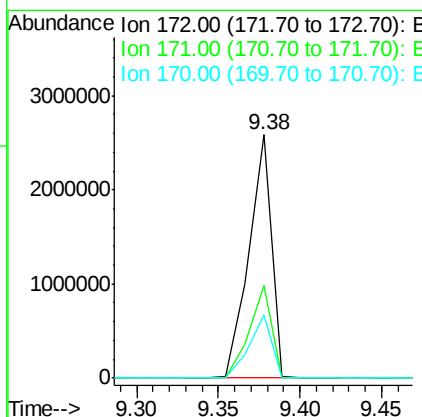
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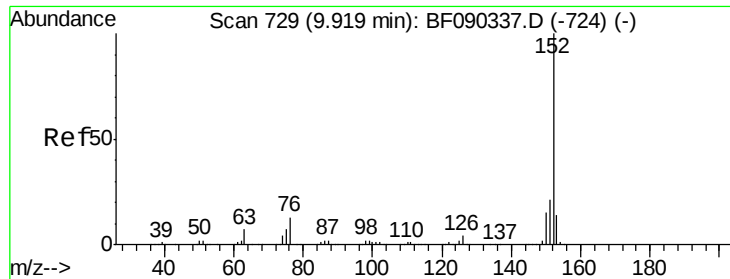
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#44
 2-Fluorobiphenyl
 Concen: 106.66 ng
 RT: 9.38 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF090355.D
 Acq: 4 Oct 2016 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2484553		
171	37.9	31.8	47.8	
170	25.9	21.7	32.5	





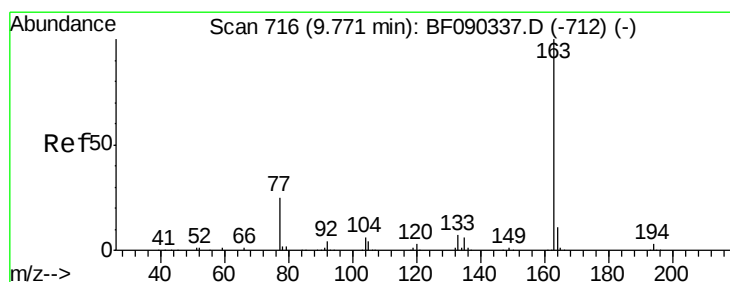
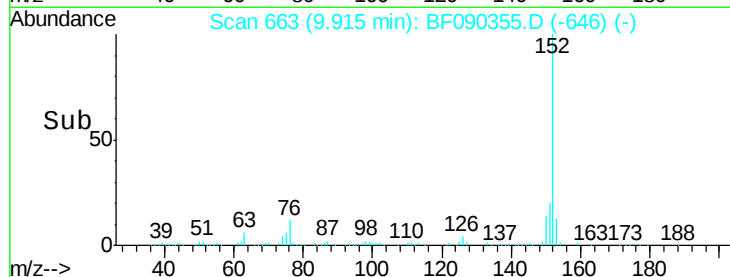
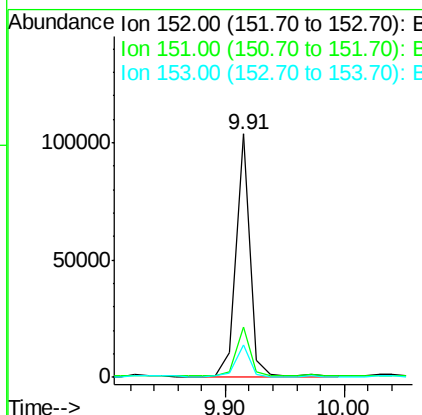
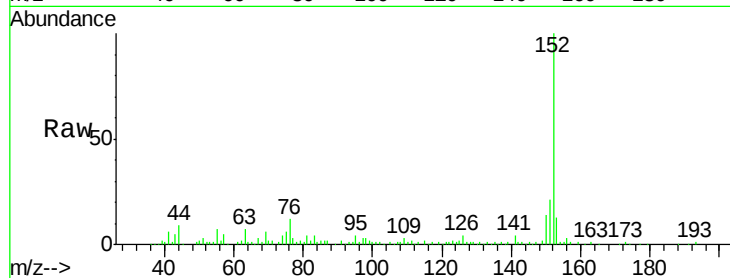
#48
Acenaphthylene
Concen: 2.61 ng
RT: 9.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Instrument :
BNA_F
ClientSampled :
S-10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.4	26.0
153	13.2	11.6	17.4

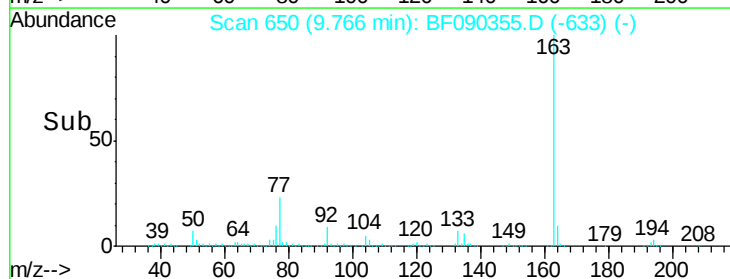
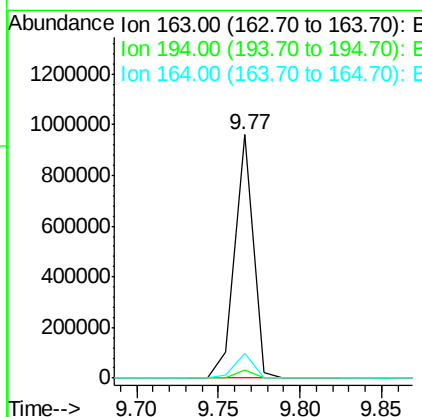
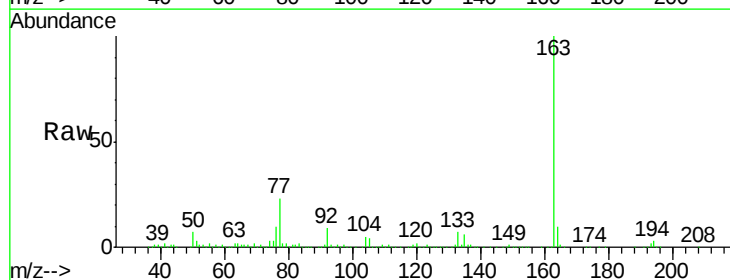
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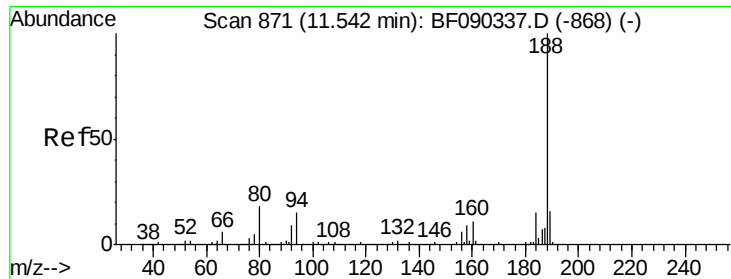
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#49
Dimethylphthalate
Concen: 33.12 ng
RT: 9.77 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.4	9.0	13.4





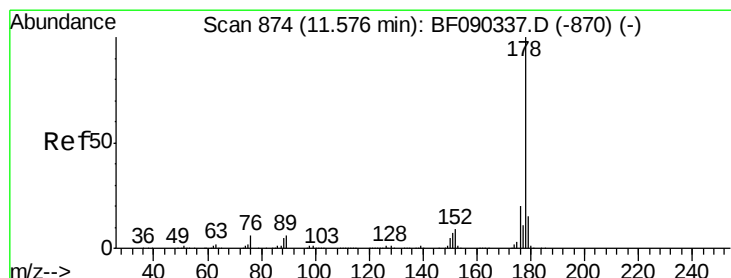
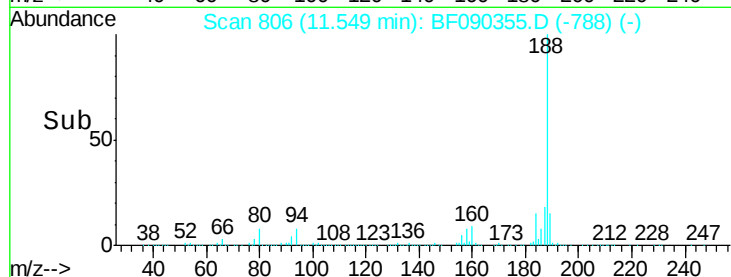
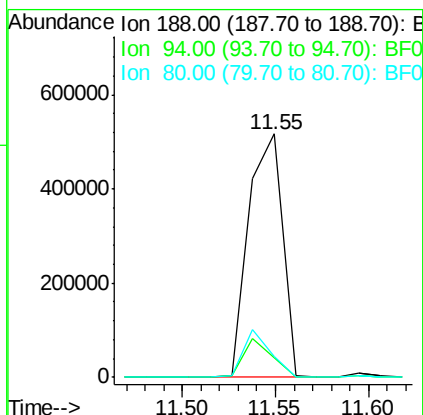
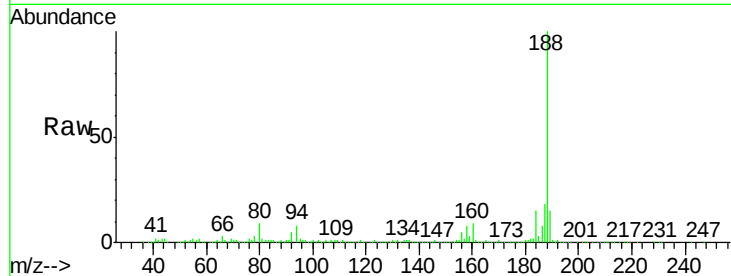
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.55 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Instrument :
BNA_F
ClientSampleId :
S-10

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.3	8.2	12.2
80	8.6	8.8	13.2

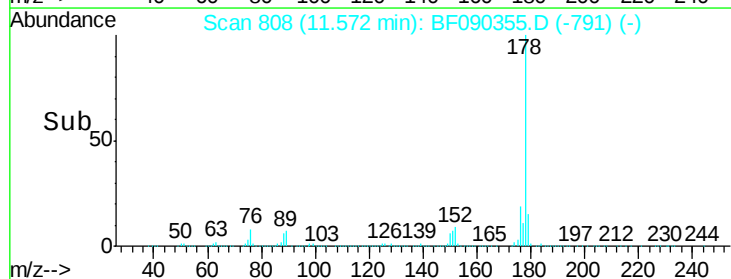
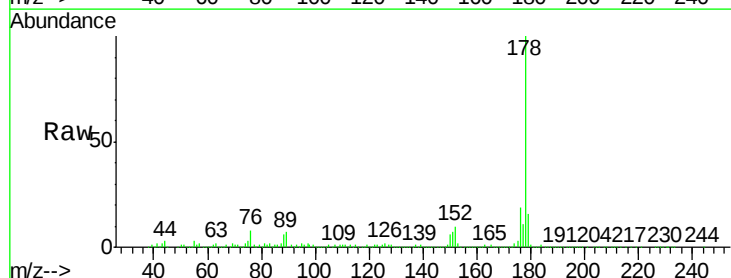
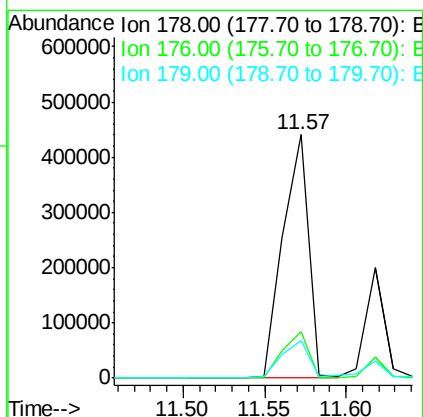
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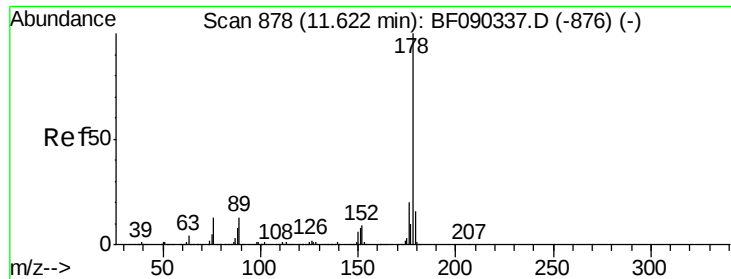
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#70
Phenanthrene
Concen: 13.78 ng
RT: 11.57 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	17.3	25.9
179	15.5	13.8	20.6





#71

Anthracene

Concen: 4.62 ng

RT: 11.62 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF090355.D

Acq: 4 Oct 2016 21:23

Instrument :

BNA_F

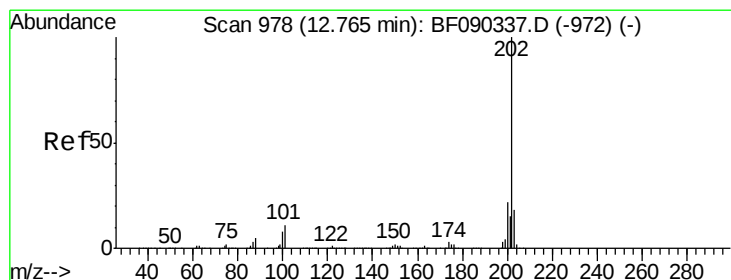
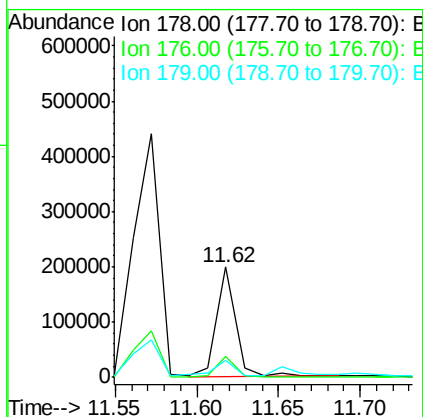
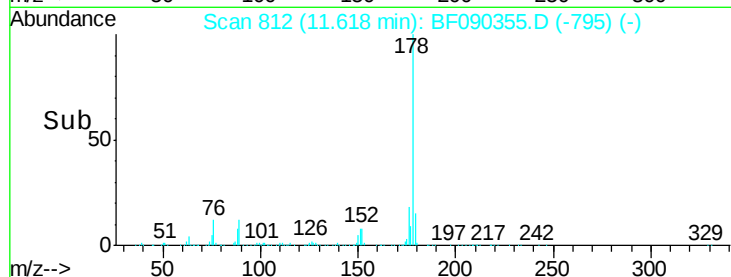
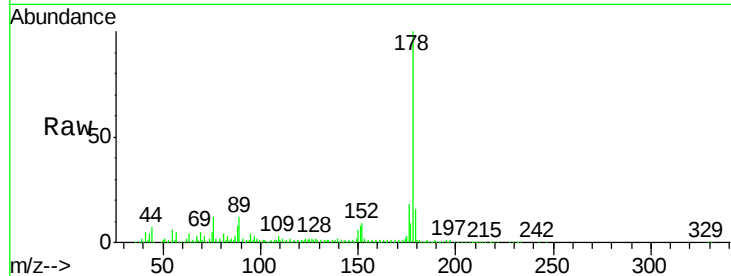
ClientSampled :

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Tgt Ion:	178	Resp:	160813
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.8	25.2
179	15.7	13.4	20.2

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#74

Fluoranthene

Concen: 27.54 ng

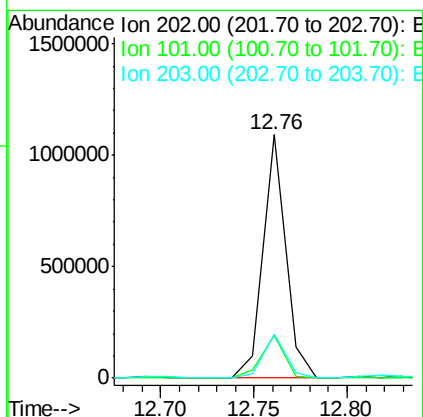
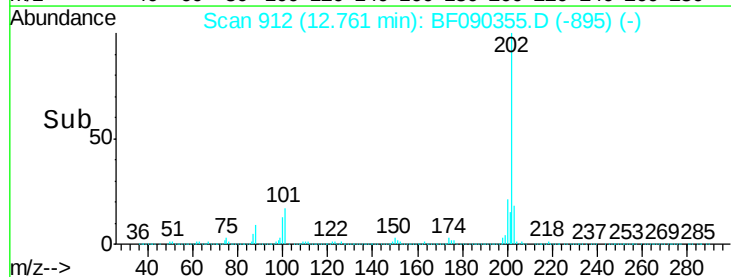
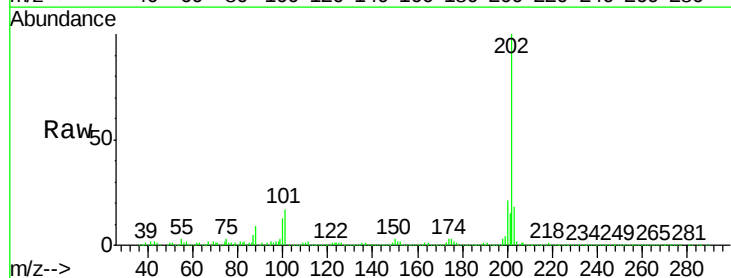
RT: 12.76 min Scan# 912

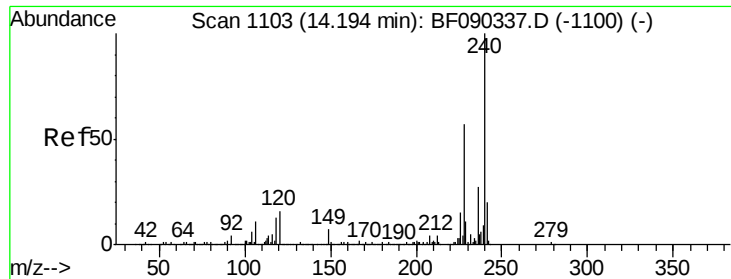
Delta R.T. -0.00 min

Lab File: BF090355.D

Acq: 4 Oct 2016 21:23

Tgt Ion:	202	Resp:	911598
Ion Ratio	Lower	Upper	
202	100		
101	17.4	0.0	37.2
203	18.3	0.0	39.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.20 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BF090355.D

Acq: 4 Oct 2016 21:23

Instrument :

BNA_F

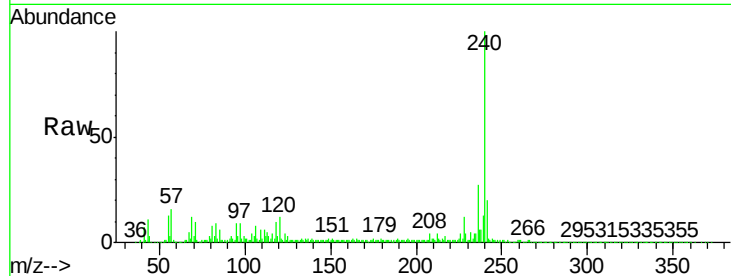
ClientSampleId :

S-10

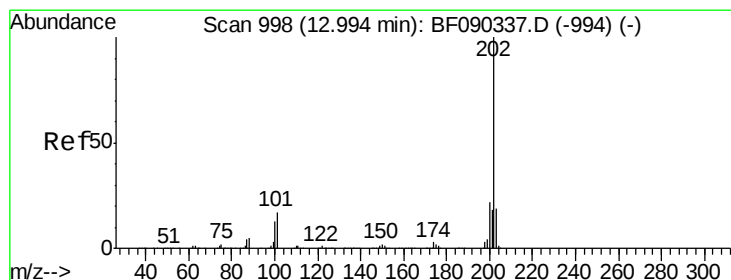
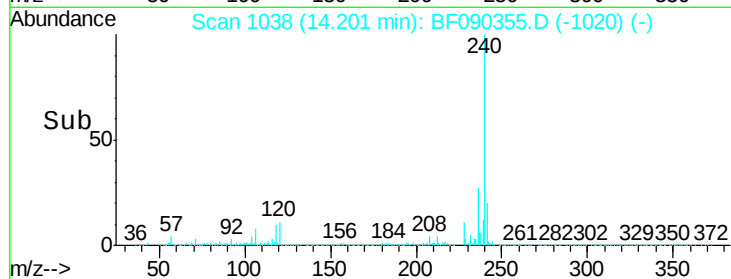
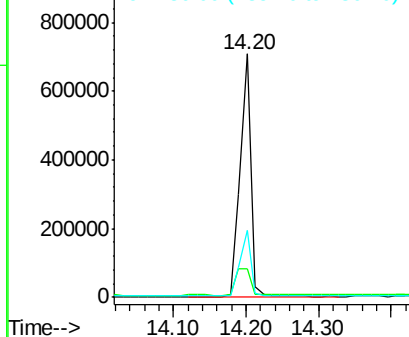
Tgt Ion:	240	Resp:	720528
Ion Ratio	Lower	Upper	
240	100		
120	11.7	8.6	13.0
236	27.4	21.6	32.4

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 19.40 ng

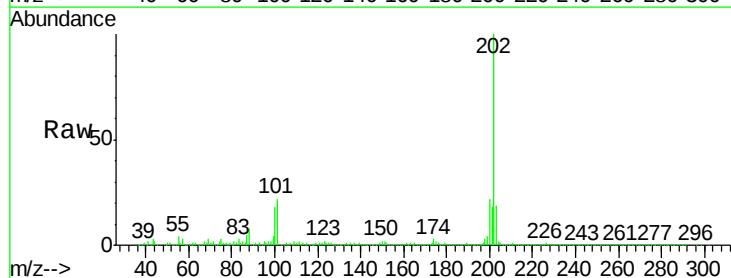
RT: 12.99 min Scan# 932

Delta R.T. -0.00 min

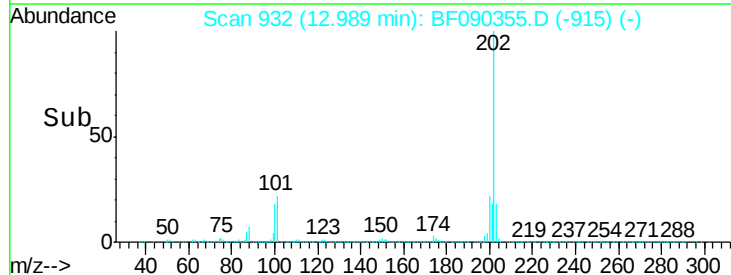
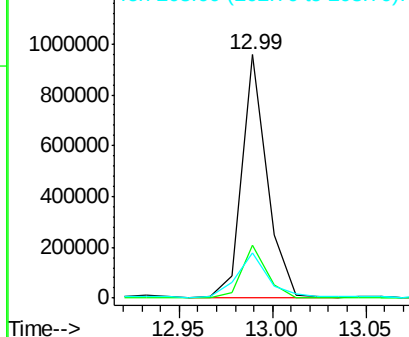
Lab File: BF090355.D

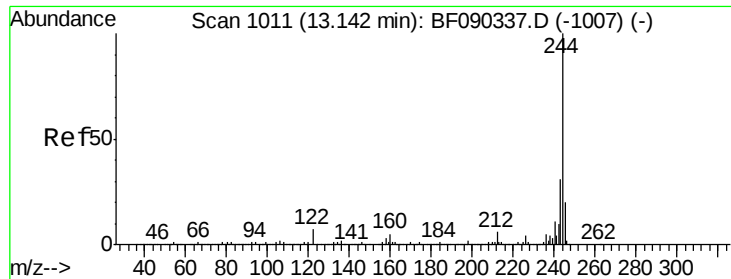
Acq: 4 Oct 2016 21:23

Tgt Ion:	202	Resp:	894880
Ion Ratio	Lower	Upper	
202	100		
200	21.9	18.5	27.7
203	18.6	15.0	22.6



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





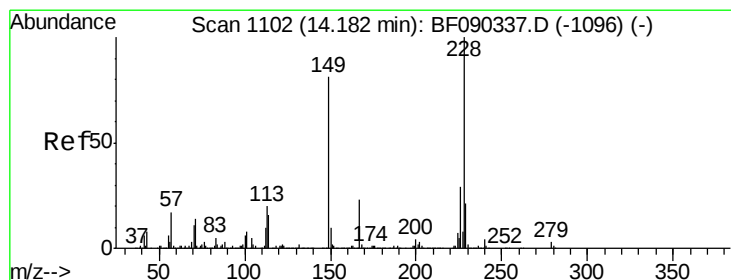
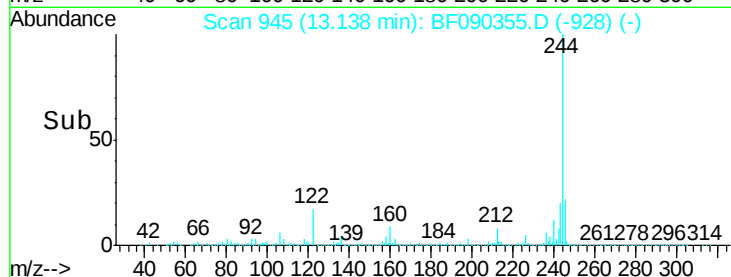
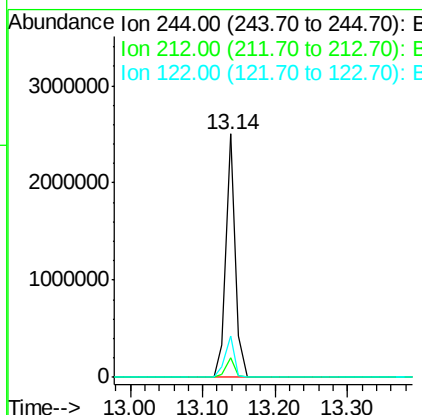
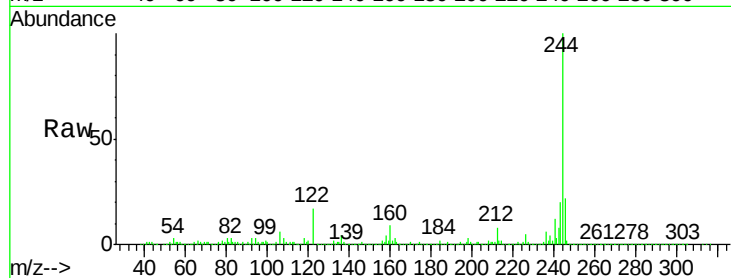
#78
 Terphenyl-d14
 Concen: 72.67 ng
 RT: 13.14 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BF090355.D
 Acq: 4 Oct 2016 21:23

Instrument :
 BNA_F
 ClientSampled :
 S-10

Tgt Ion:244 Resp: 2249084
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.8 10.2
 122 17.2 13.3 19.9

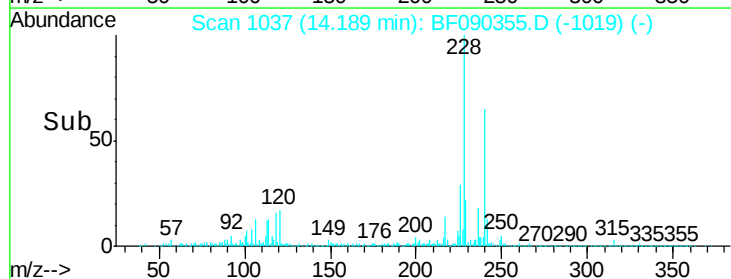
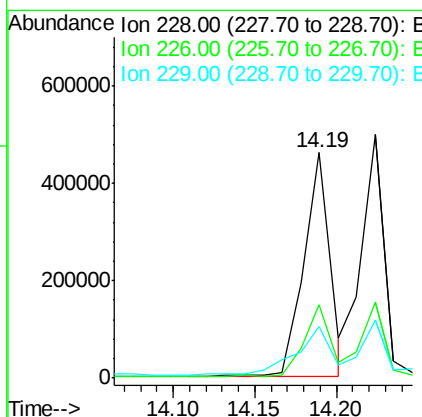
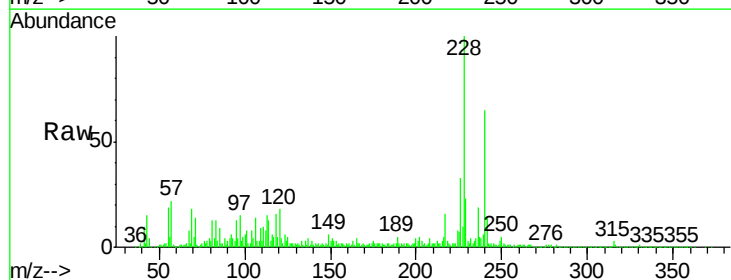
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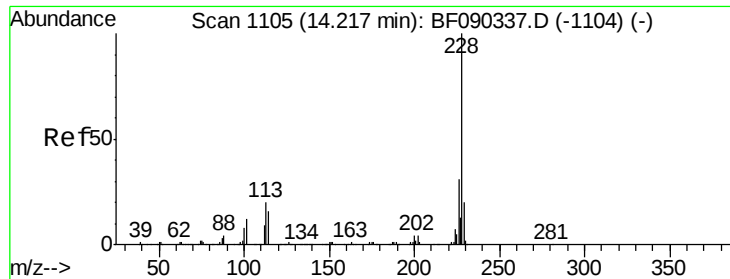
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#80
 Benzo(a)anthracene
 Concen: 12.74 ng
 RT: 14.19 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: BF090355.D
 Acq: 4 Oct 2016 21:23

Tgt Ion:228 Resp: 514606
 Ion Ratio Lower Upper
 228 100
 226 32.6 23.6 35.4
 229 22.7 16.6 25.0





#82

Chrysene

Concen: 13.15 ng m

RT: 14.22 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF090355.D

Acq: 4 Oct 2016 21:23

Instrument :

BNA_F

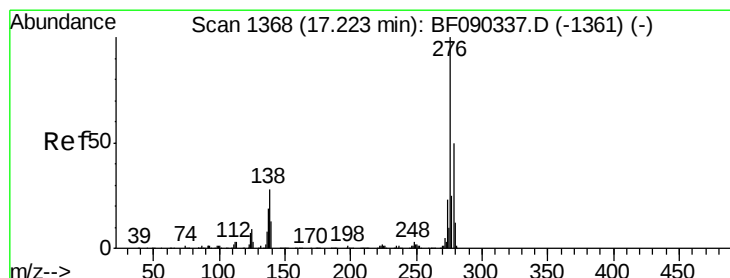
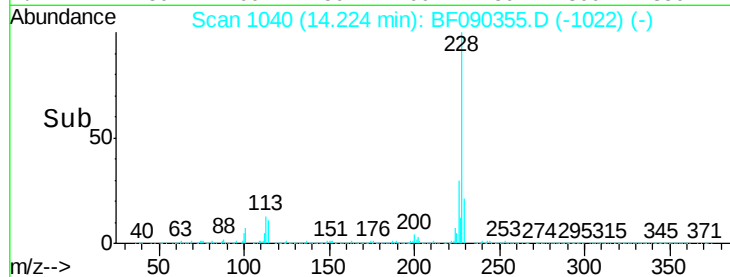
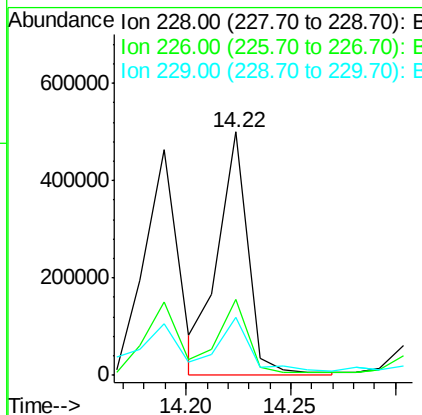
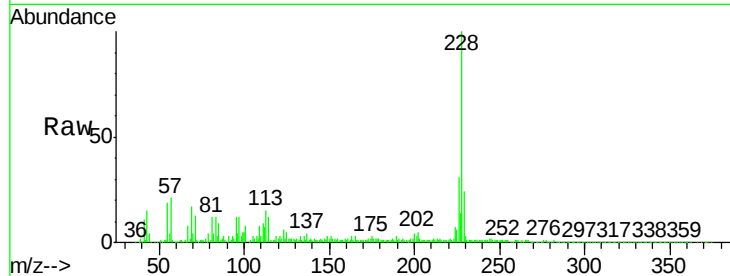
ClientSampled :

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Tgt Ion:	228	Resp:	497800
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.8	38.6
229	23.8	16.9	25.3

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.17 ng

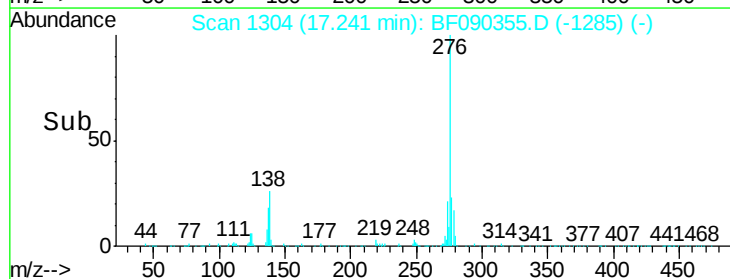
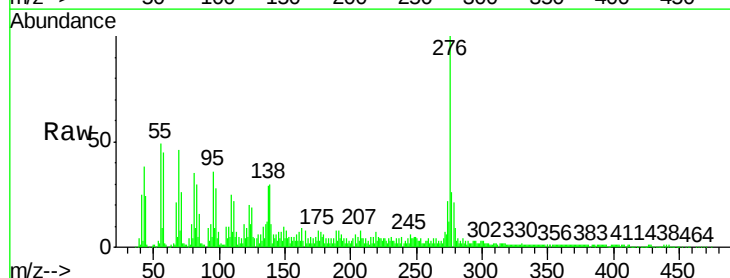
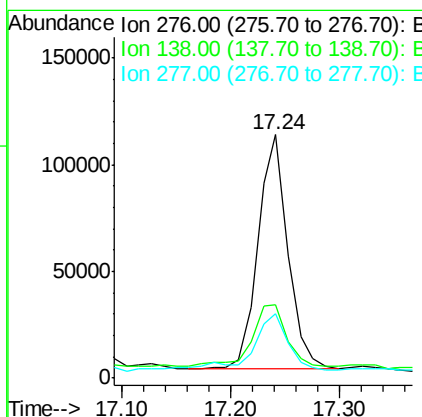
RT: 17.24 min Scan# 1304

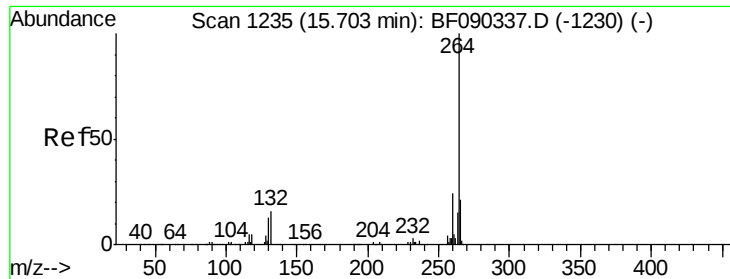
Delta R.T. 0.02 min

Lab File: BF090355.D

Acq: 4 Oct 2016 21:23

Tgt Ion:	276	Resp:	210394
Ion Ratio	Lower	Upper	
276	100		
138	31.6	23.8	35.8
277	30.3	20.4	30.6





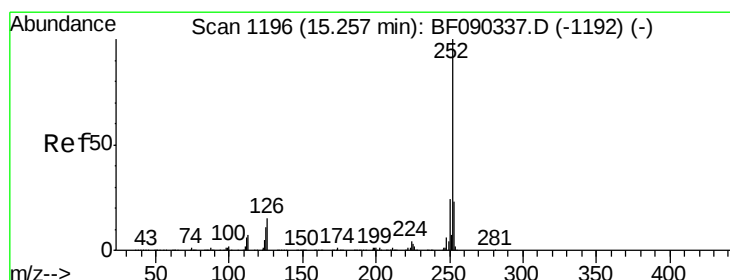
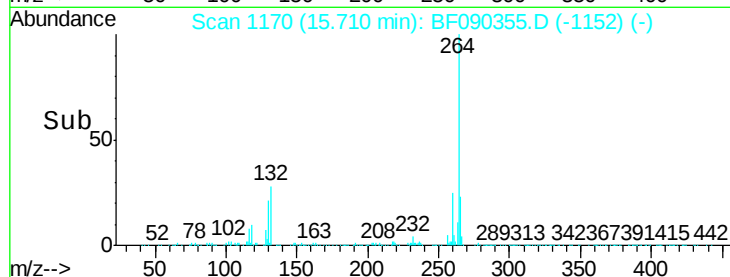
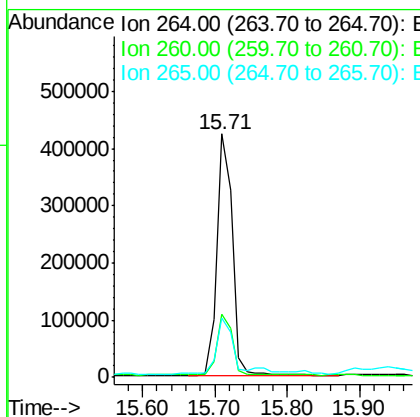
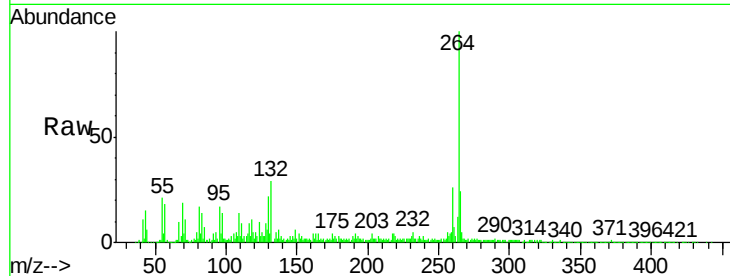
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.71 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Instrument :
BNA_F
ClientSampled :
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Tgt Ion	Ratio	Resp	Lower	Upper
264	100	618578		
260	25.7	19.3	28.9	
265	24.4	17.4	26.0	

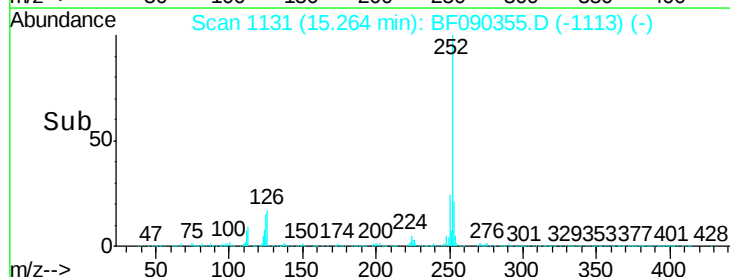
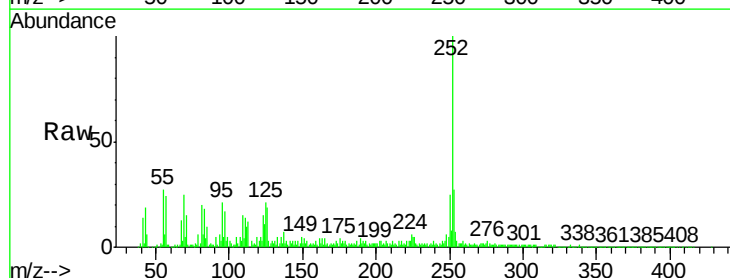
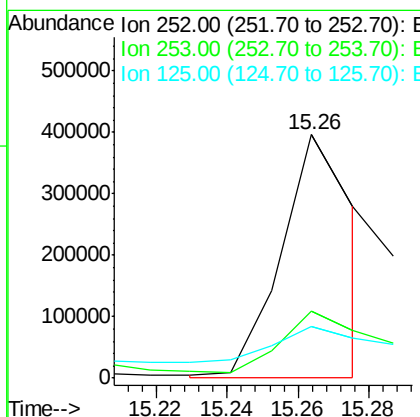
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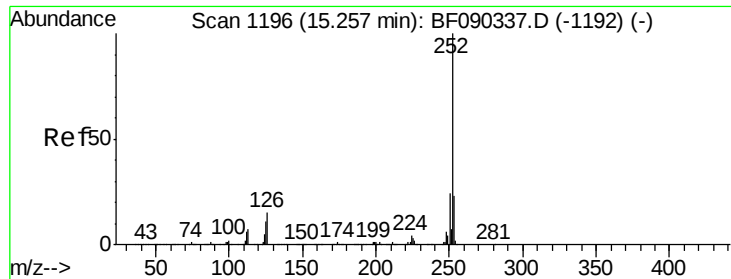
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#87
Benzo(b)fluoranthene
Concen: 15.97 ng m
RT: 15.26 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	567997		
253	27.5	18.2	27.2#	
125	21.2	7.0	10.4#	





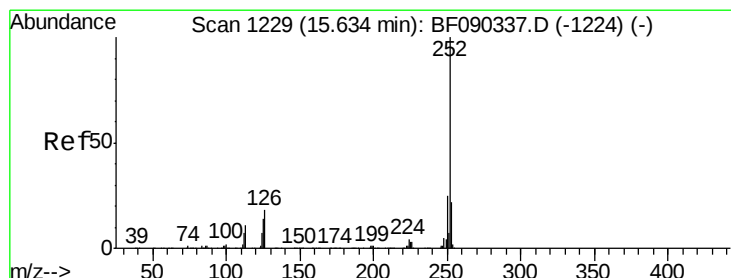
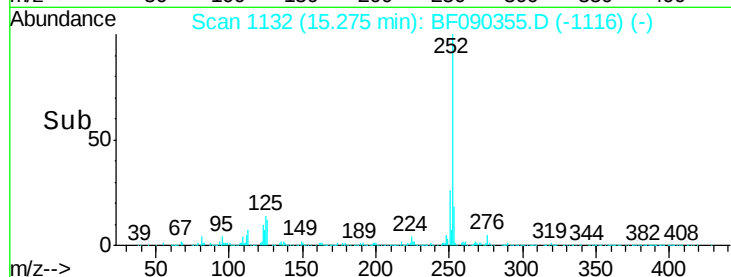
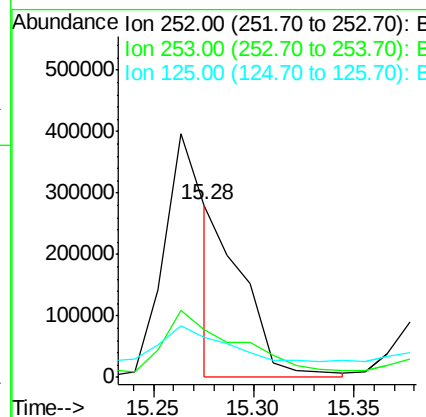
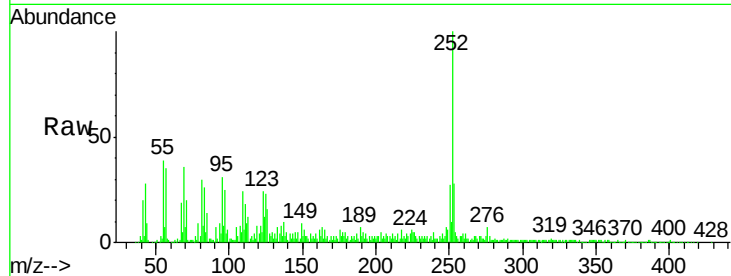
#88
Benzo(k)fluoranthene
Concen: 8.15 ng m
RT: 15.28 min Scan# 1132
Delta R.T. -0.02 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Instrument :
BNA_F
ClientSampled :
S-10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.6	27.8
125	23.3	11.7	17.5#

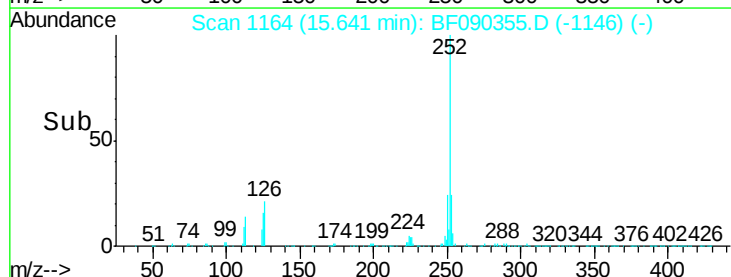
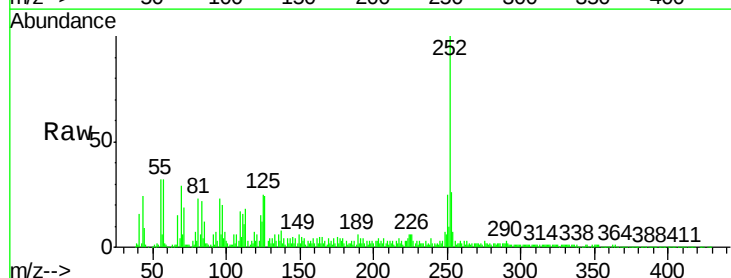
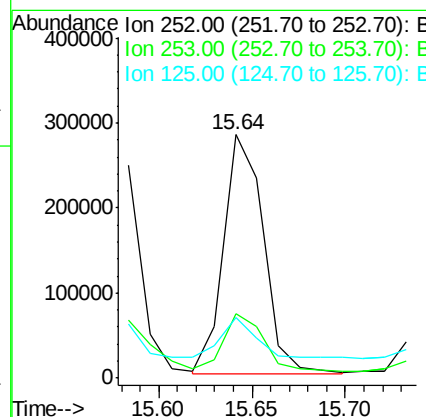
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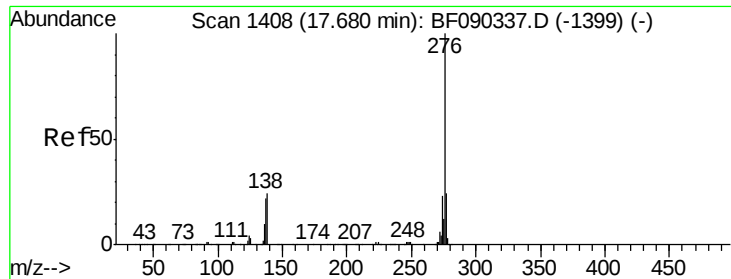
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#89
Benzo(a)pyrene
Concen: 12.89 ng
RT: 15.64 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF090355.D
Acq: 4 Oct 2016 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.2	27.4
125	24.8	9.8	14.8#





#91
 Benzo(g,h,i)perylene
 Concen: 6.87 ng
 RT: 17.70 min Scan# 1344
 Delta R.T. 0.02 min
 Lab File: BF090355.D
 Acq: 4 Oct 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 S-10

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	26.4	19.4	29.0	
138	32.4	20.8	31.2	

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