

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070815\
 Data File : BF080397.D
 Acq On : 8 Jul 2015 19:50
 Operator : TP/UM
 Sample : G2866-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-6.5-7.0-070115

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Quant Time: Jul 09 03:28:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 00:53:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.21	152	42589	20.00	ng	0.00
21) Naphthalene-d8	8.51	136	117739	20.00	ng	0.01
38) Acenaphthene-d10	10.32	164	76249	20.00	ng	0.05
63) Phenanthrene-d10	11.81	188	77253	20.00	ng	0.03
75) Chrysene-d12	14.68	240	163702	20.00	ng	-0.16
86) Perylene-d12	16.48	264	171566	20.00	ng	-0.29
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	249599	107.34	ng	0.00
7) Phenol-d6	6.82	99	339817	110.24	ng	0.00
23) Nitrobenzene-d5	7.77	82	275721	136.59	ng	0.00
41) 2,4,6-Tribromophenol	11.12	330	65616	82.24	ng	0.06
44) 2-Fluorobiphenyl	9.61	172	233207	41.28	ng	0.03
78) Terphenyl-d14	13.46	244	368846	52.56	ng	-0.06
Target Compounds						
31) Naphthalene	8.50	128	274557	45.46	ng	# 1
37) 2-Methylnaphthalene	9.36	142	1884612	489.47	ng	# 86
57) Fluorene	10.88	166	520845	82.74	ng	# 77
70) Phenanthrene	11.85	178	1879696	405.67	ng	# 94
74) Fluoranthene	13.09	202	649357	130.42	ng	97
77) Pyrene	13.32	202	633364	63.97	ng	96
80) Benzo(a)anthracene	14.67	228	274973	27.87	ng	97
82) Chrysene	14.72	228	175994	19.07	ng	97
83) Bis(2-ethylhexyl)phthalate	14.65	149	24821	4.12	ng	# 93
85) Indeno(1,2,3-cd)pyrene	18.23	276	44919	4.14	ng	96
87) Benzo(b)fluoranthene	15.97	252	157995m	14.65	ng	
88) Benzo(k)fluoranthene	15.99	252	79140m	7.75	ng	
89) Benzo(a)pyrene	16.41	252	121756	12.35	ng	97
91) Benzo(g,h,i)perylene	18.75	276	42919	4.36	ng	97

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

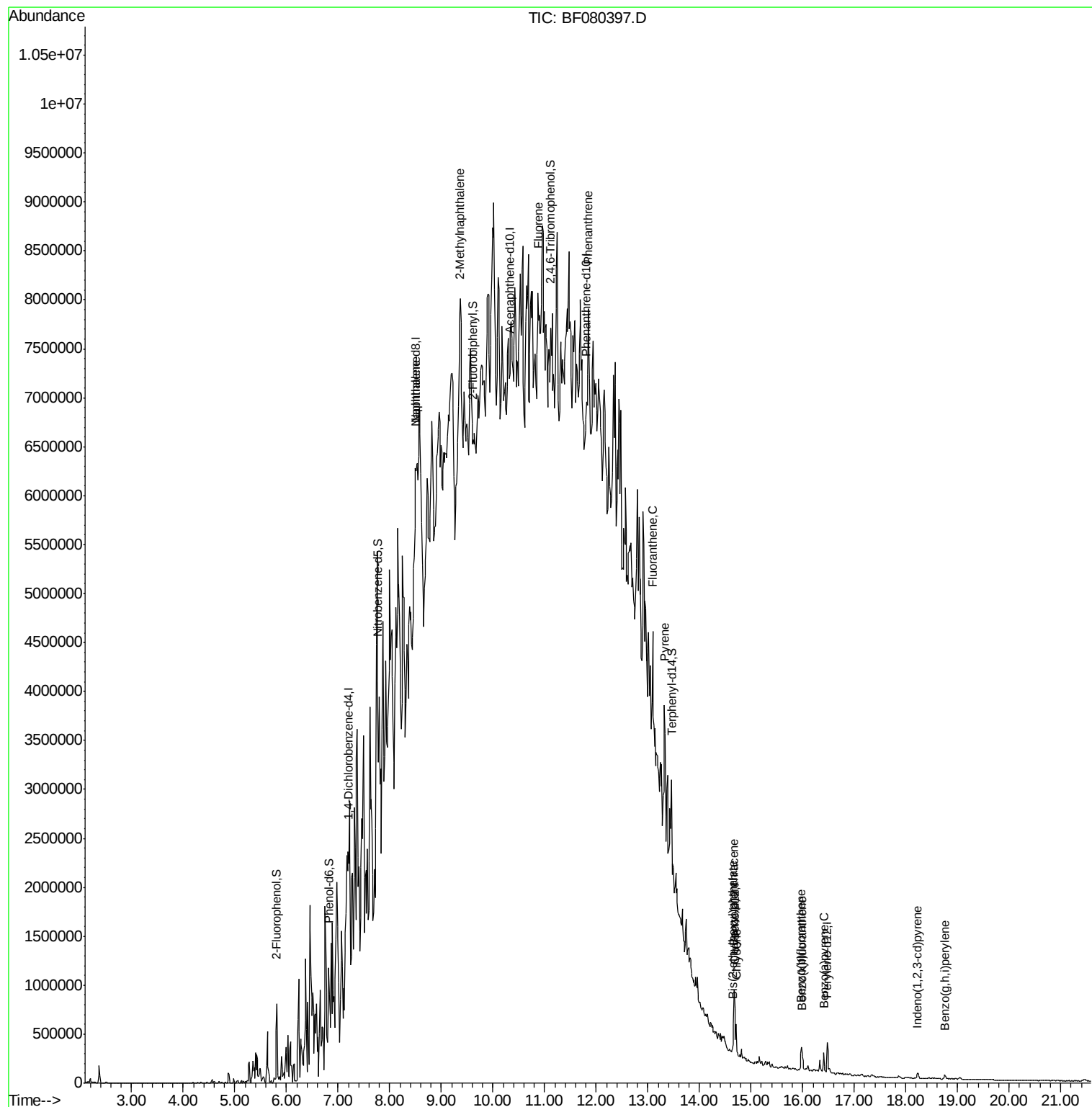
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070815\
Data File : BF080397.D
Acq On : 8 Jul 2015 19:50
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Sample : G2866-10
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ALS Vial : 14 Sample Multiplier: 1

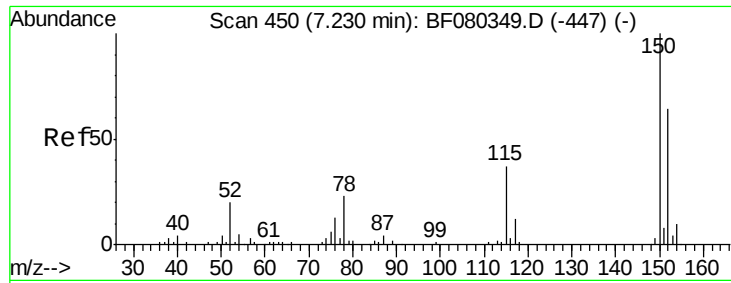
Instrument :
BNA_F
ClientSampleId :
SB-04-6.5-7.0-070115

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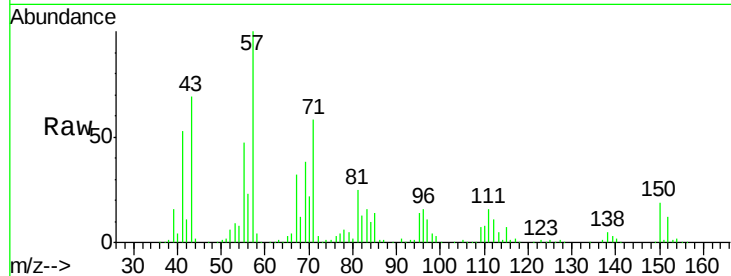
Quant Time: Jul 09 03:28:32 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 00:53:49 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.21 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: BF080397.D
 Acq: 8 Jul 2015 19:50

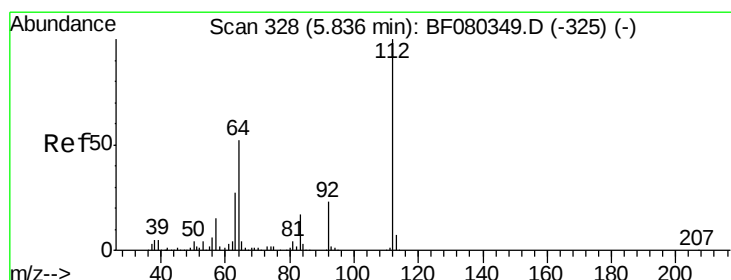
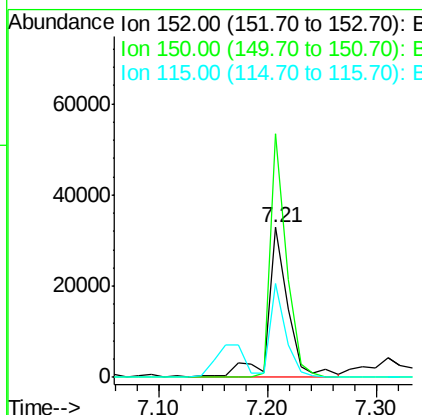
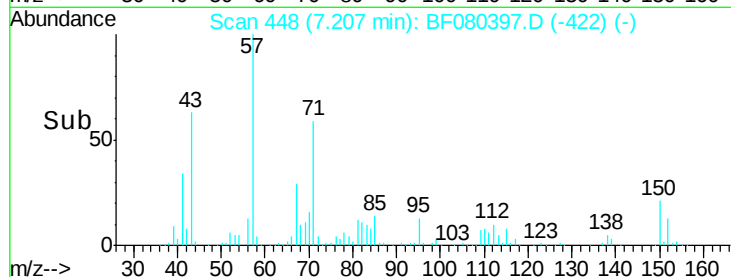
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-6.5-7.0-070115



Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.7	187.1
115	62.8	45.7	68.5

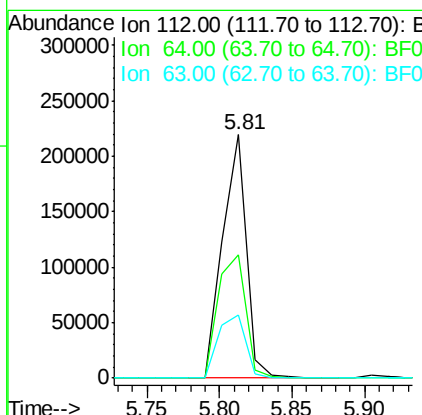
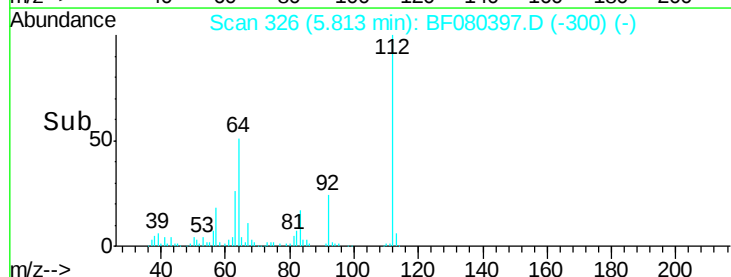
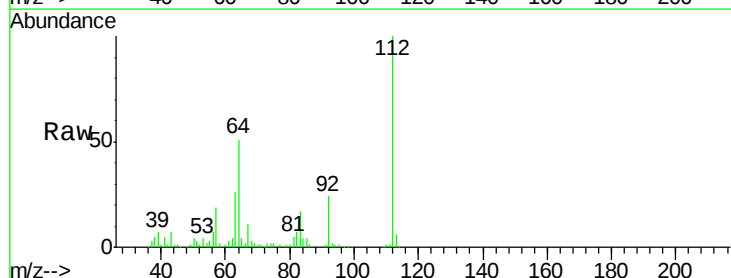
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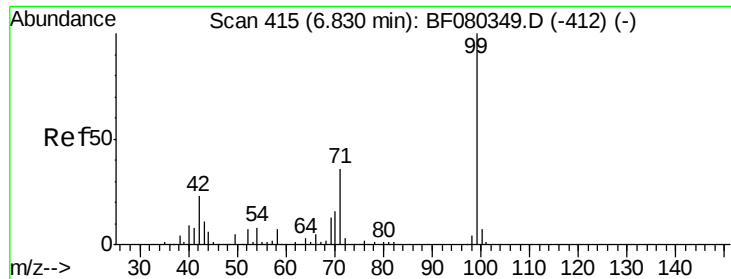
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#5
 2-Fluorophenol
 Concen: 107.34 ng
 RT: 5.81 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: BF080397.D
 Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	41.8	62.6
63	26.1	21.5	32.3





#7

Phenol-d6

Concen: 110.24 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF080397.D

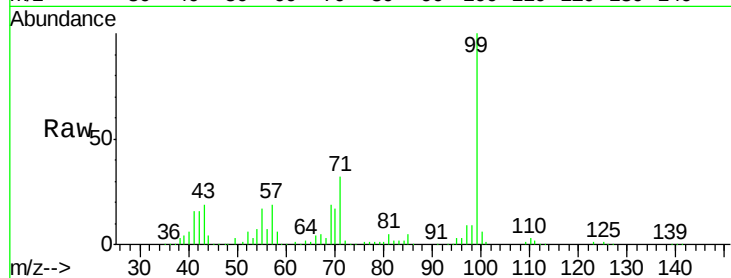
Acq: 8 Jul 2015 19:50

Instrument :

BNA_F

ClientSampleId :

SB-04-6.5-7.0-070115



Tgt Ion: 99 Resp: 339817

Ion Ratio Lower Upper

99 100

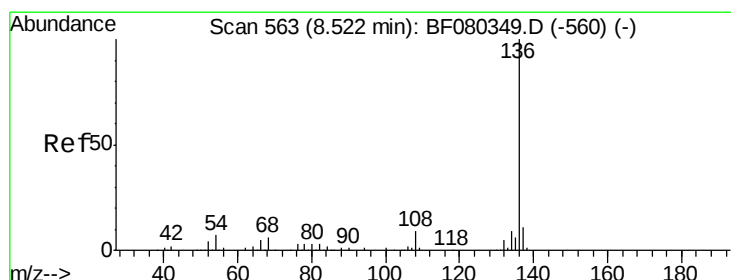
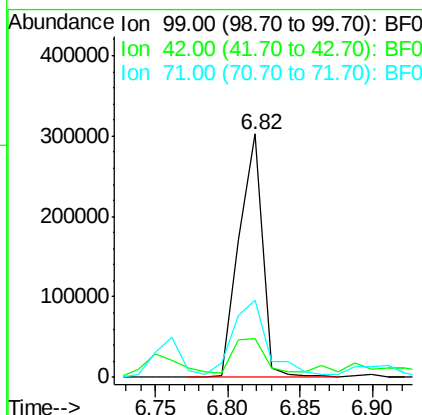
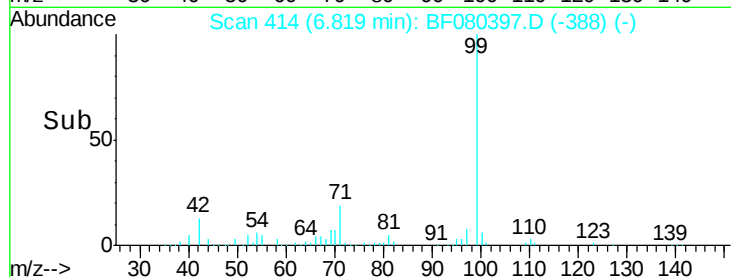
42 16.2 18.5 27.7#

71 31.8 28.5 42.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.51 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF080397.D

Acq: 8 Jul 2015 19:50

Tgt Ion: 136 Resp: 117739

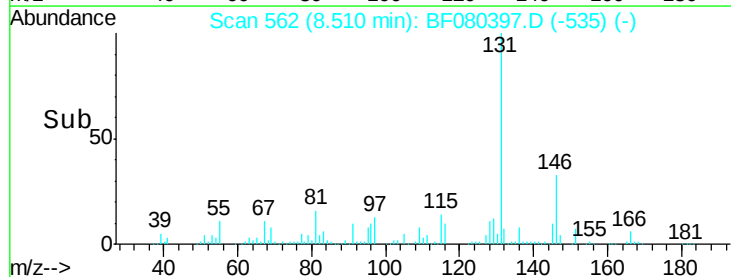
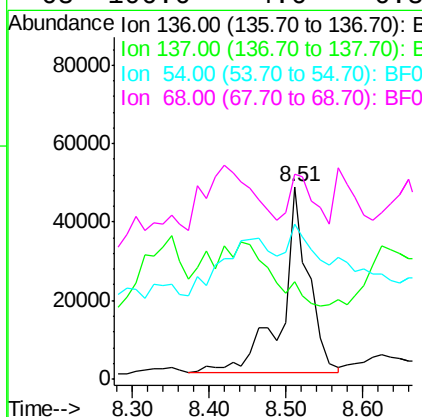
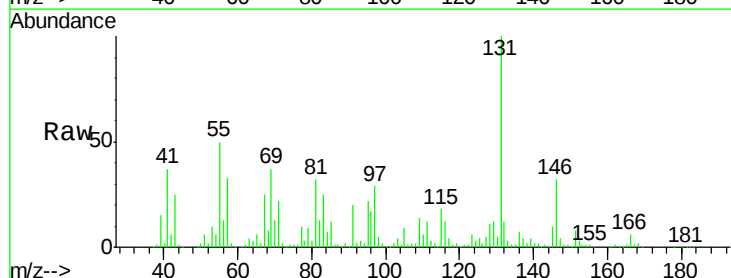
Ion Ratio Lower Upper

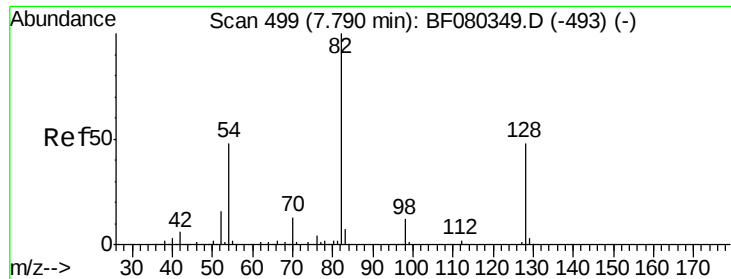
136 100

137 50.8 8.5 12.7#

54 80.4 5.8 8.8#

68 106.6 4.6 6.8#





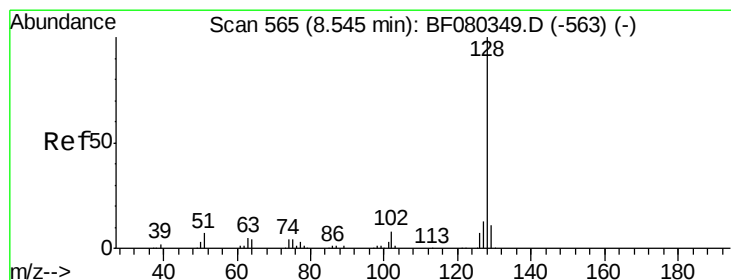
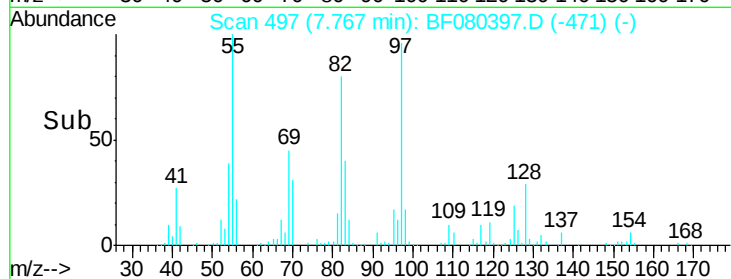
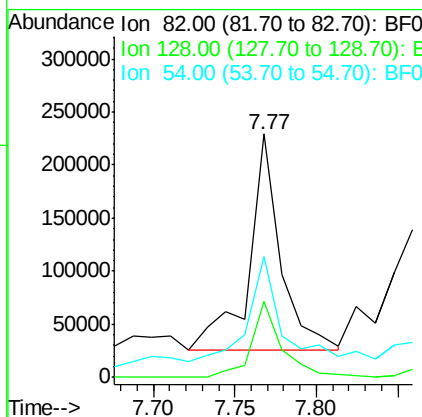
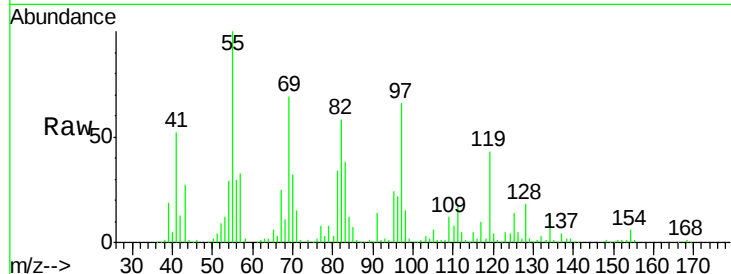
#23
Nitrobenzene-d5
Concen: 136.59 ng
RT: 7.77 min Scan# 497
Delta R.T. 0.00 min
Lab File: BF080397.D
Acq: 8 Jul 2015 19:50

Instrument :
BNA_F
ClientSampleId :
SB-04-6.5-7.0-070115

Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.0	38.4	57.6#
54	49.6	38.2	57.2

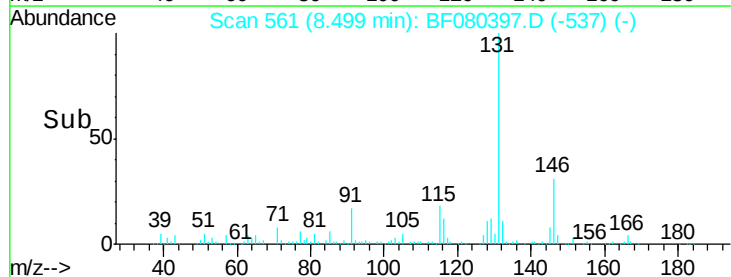
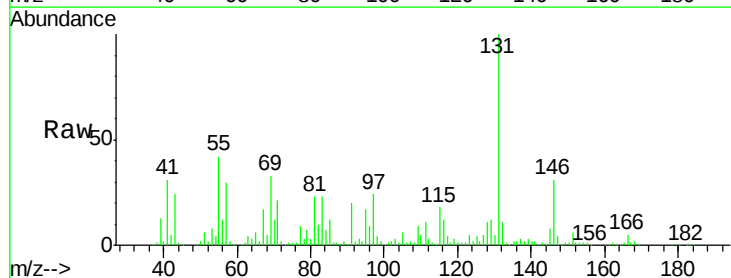
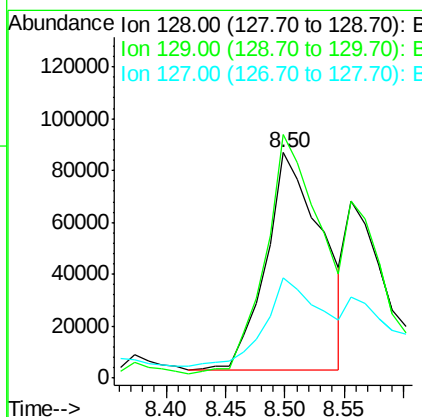
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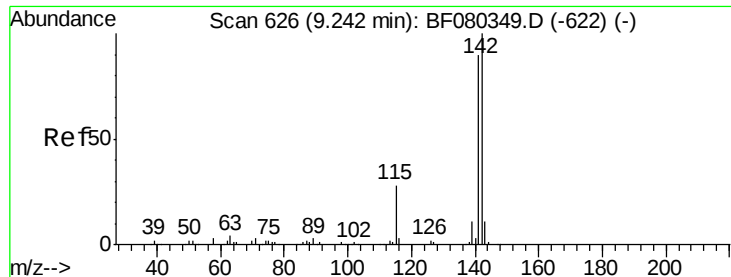
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#31
Naphthalene
Concen: 45.46 ng
RT: 8.50 min Scan# 561
Delta R.T. -0.02 min
Lab File: BF080397.D
Acq: 8 Jul 2015 19:50

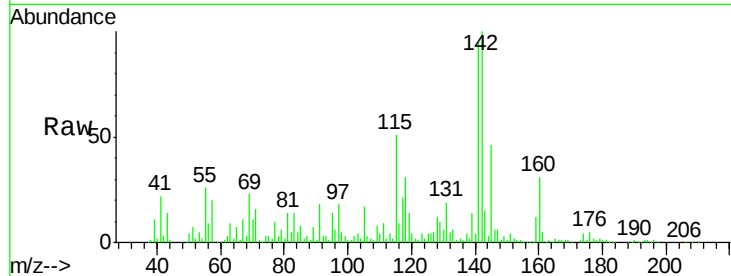
Tgt Ion	Ratio	Lower	Upper
128	100		
129	108.1	8.8	13.2#
127	44.3	10.4	15.6#





#37
 2-Methylnaphthalene
 Concen: 489.47 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.14 min
 Lab File: BF080397.D
 Acq: 8 Jul 2015 19:50

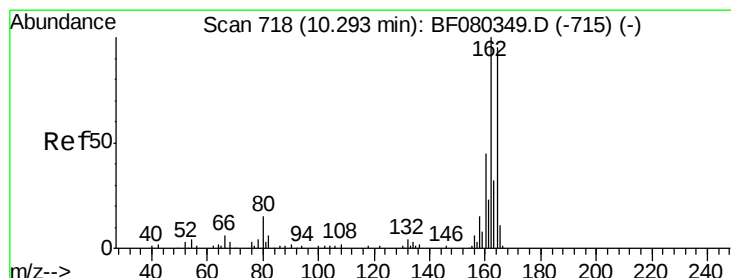
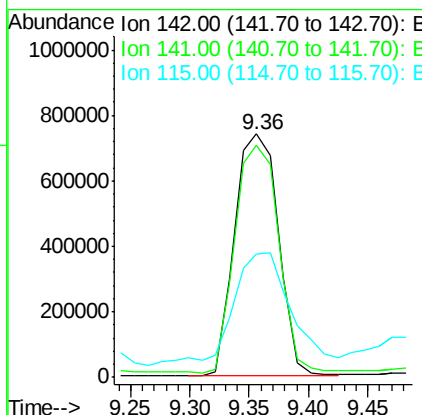
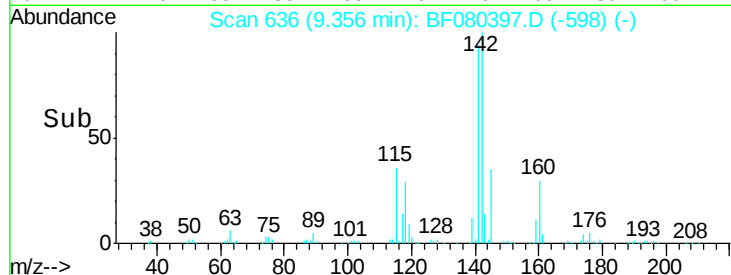
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-6.5-7.0-070115



Tgt Ion:142 Resp: 1884612
 Ion Ratio Lower Upper
 142 100
 141 95.1 71.8 107.8
 115 50.8 22.6 34.0#

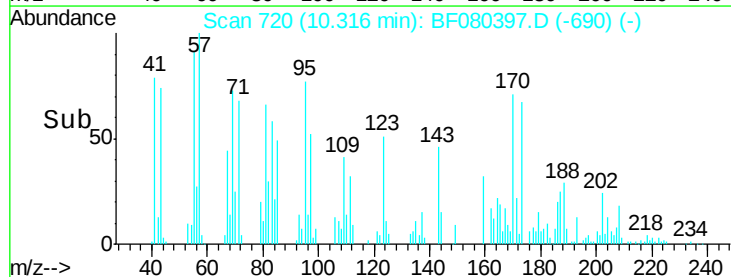
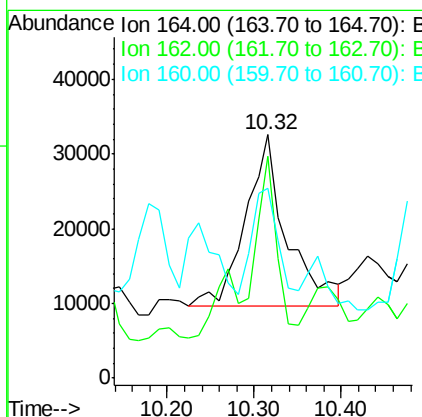
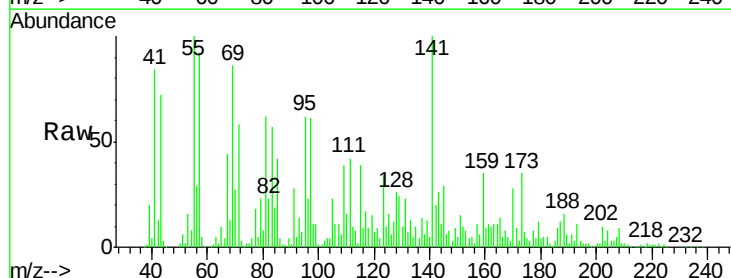
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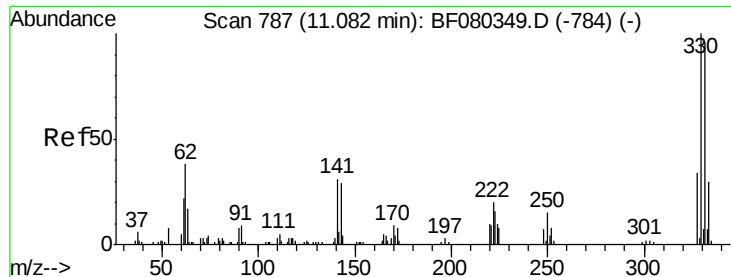
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.32 min Scan# 720
 Delta R.T. 0.05 min
 Lab File: BF080397.D
 Acq: 8 Jul 2015 19:50

Tgt Ion:164 Resp: 76249
 Ion Ratio Lower Upper
 164 100
 162 91.0 84.5 126.7
 160 78.2 37.7 56.5#





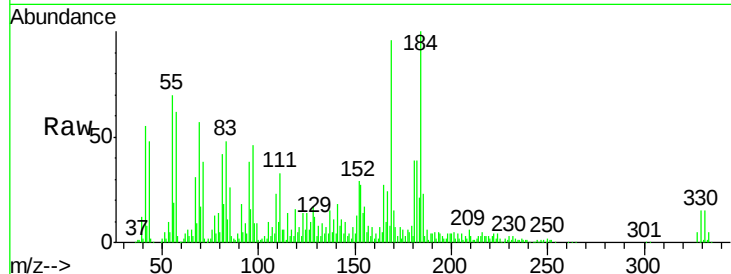
#41
 2,4,6-Tribromophenol
 Concen: 82.24 ng
 RT: 11.12 min Scan# 790
 Delta R.T. 0.06 min
 Lab File: BF080397.D
 Acq: 8 Jul 2015 19:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-6.5-7.0-070115

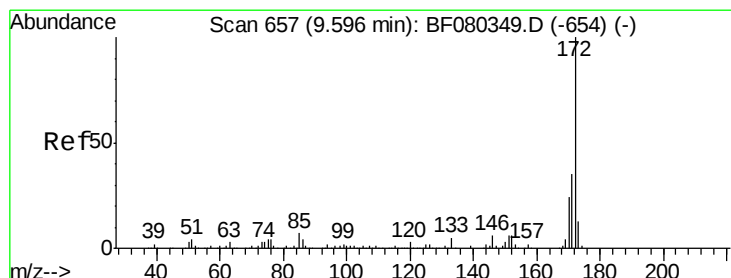
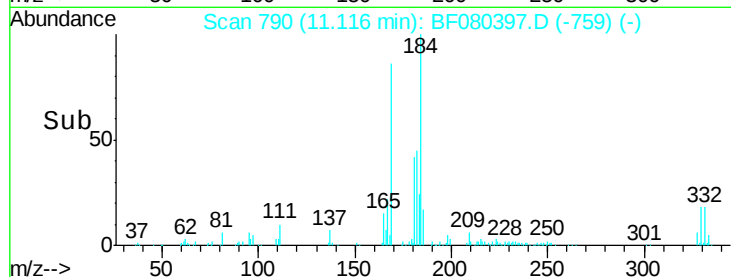
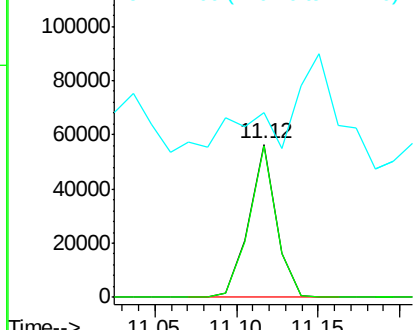
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	65616		
332	99.4	77.0	115.4	
141	0.0	29.6	44.4#	

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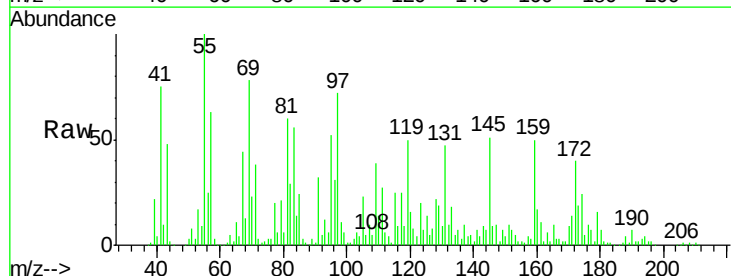


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

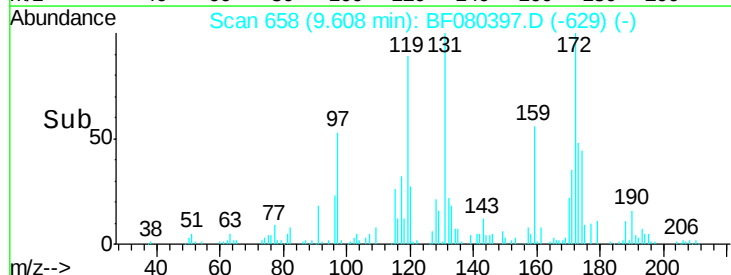
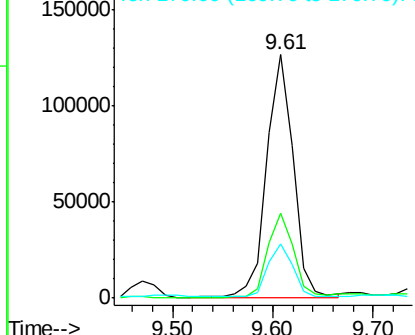


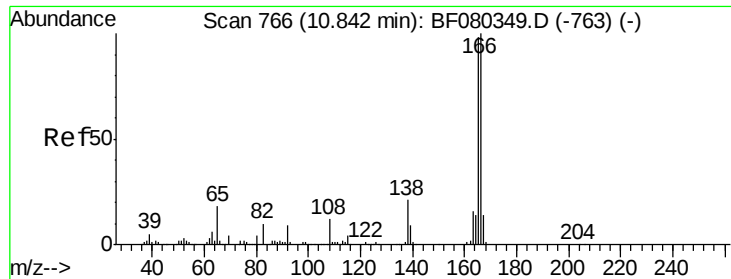
#44
 2-Fluorobiphenyl
 Concen: 41.28 ng
 RT: 9.61 min Scan# 658
 Delta R.T. 0.03 min
 Lab File: BF080397.D
 Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	233207		
171	34.7	28.3	42.5	
170	22.3	19.1	28.7	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#57

Fluorene

Concen: 82.74 ng

RT: 10.88 min Scan# 769

Delta R.T. 0.06 min

Lab File: BF080397.D

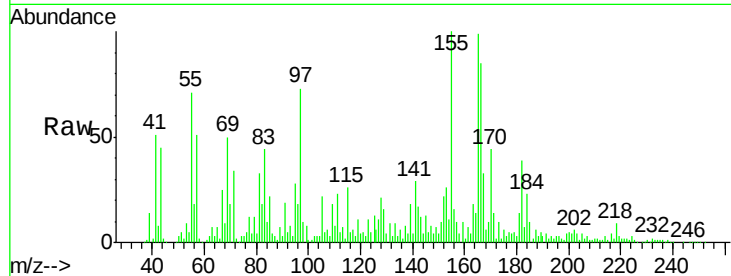
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Instrument :

BNA_F

ClientSampleId :

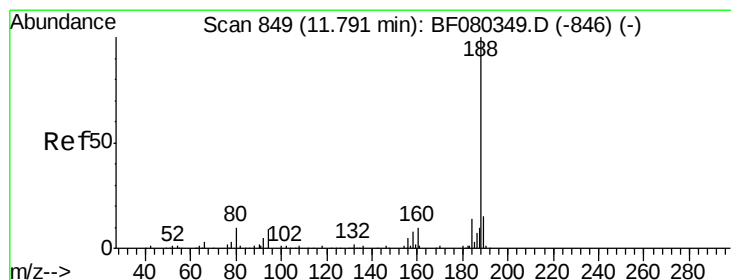
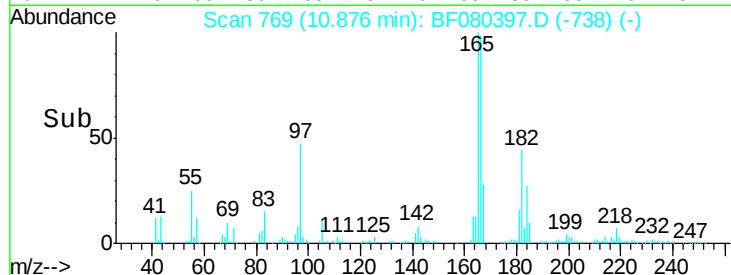
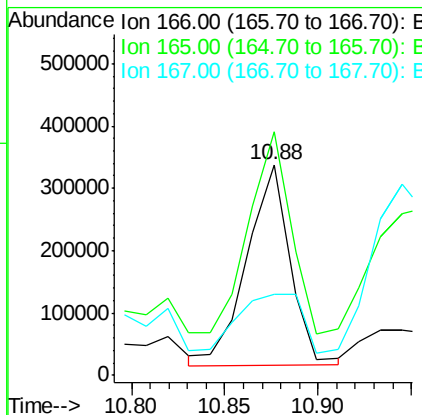
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	115.5	78.6	117.8	
167	38.4	10.8	16.2#	

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#63

Phenanthrene-d10

Concen: 20.00 ng

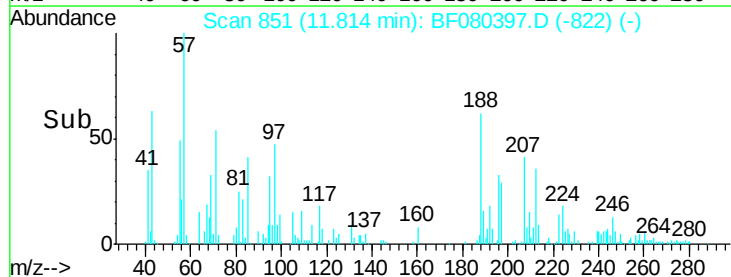
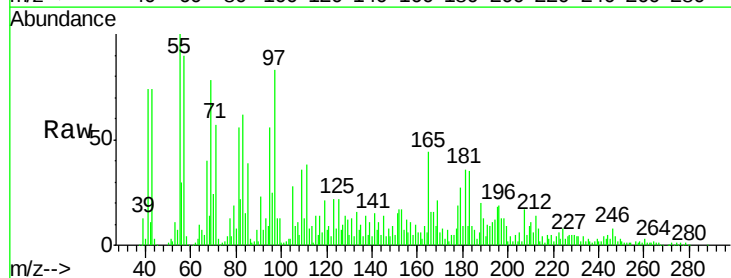
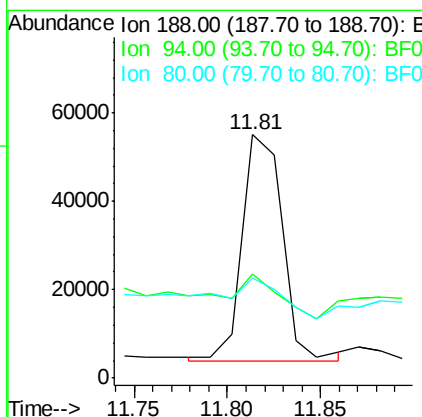
RT: 11.81 min Scan# 851

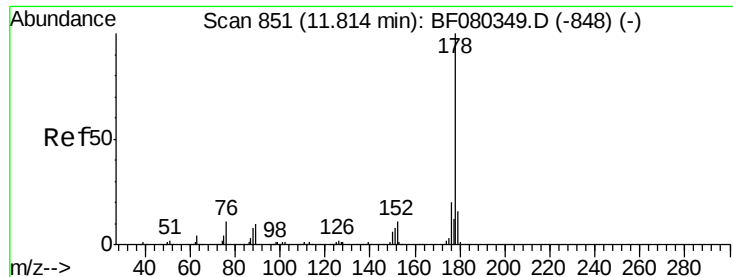
Delta R.T. 0.03 min

Lab File: BF080397.D

Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	42.8	7.5	11.3#	
80	41.2	8.3	12.5#	





#70

Phenanthrene

Concen: 405.67 ng

RT: 11.85 min Scan# 854

Delta R.T. 0.05 min

Lab File: BF080397.D

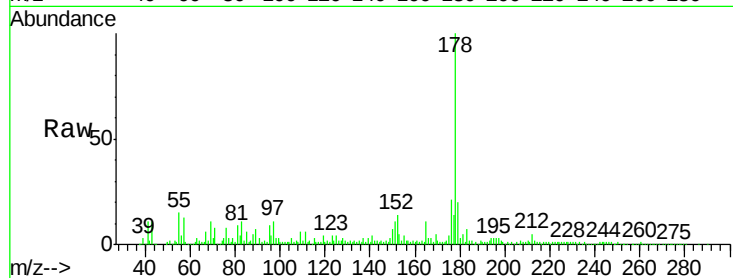
Acq: 8 Jul 2015 19:50

Instrument :

BNA_F

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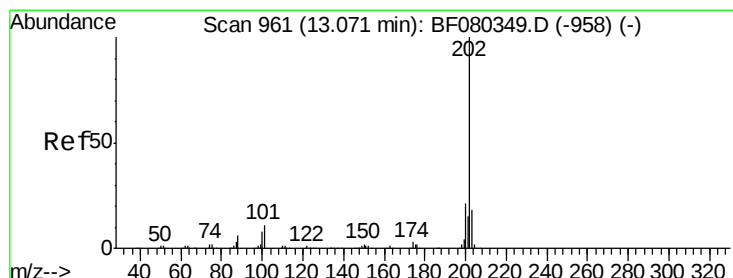
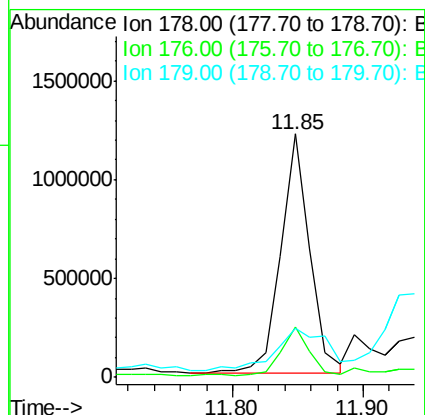
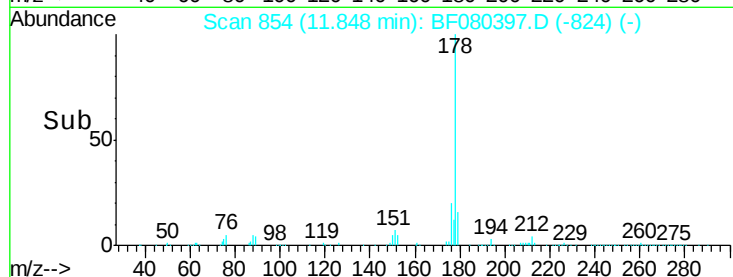
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.1	24.1
179	20.4	12.6	18.8

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#74

Fluoranthene

Concen: 130.42 ng

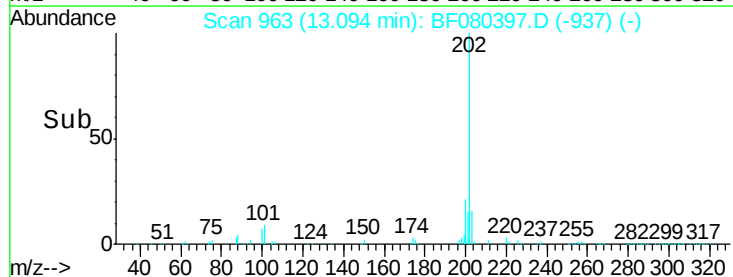
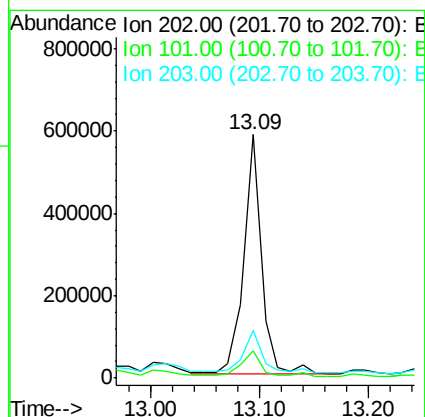
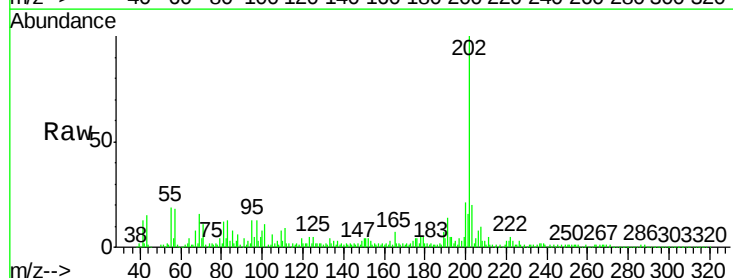
RT: 13.09 min Scan# 963

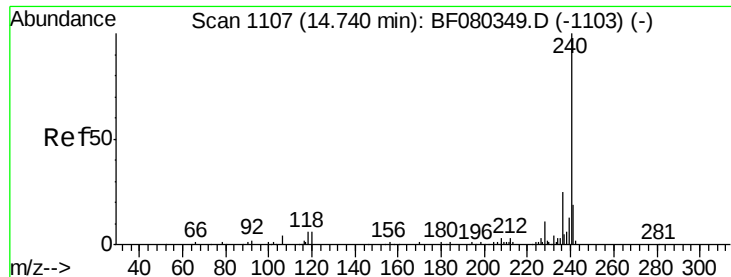
Delta R.T. 0.00 min

Lab File: BF080397.D

Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.0
203	19.6	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.68 min Scan# 1102

Delta R.T. -0.16 min

Lab File: BF080397.D

Acq: 8 Jul 2015 19:50

Instrument :

BNA_F

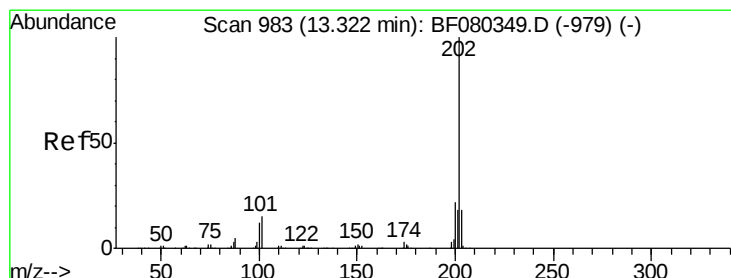
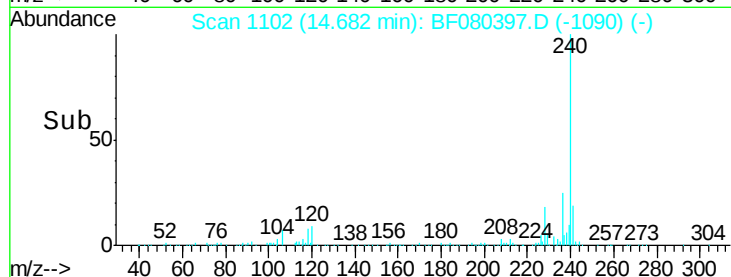
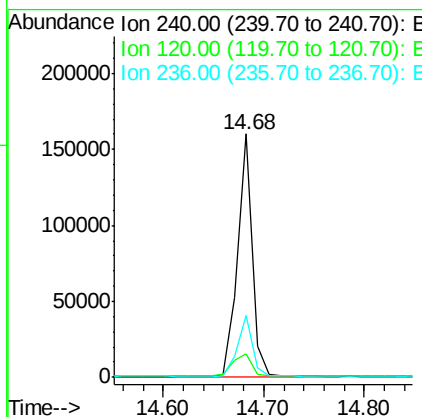
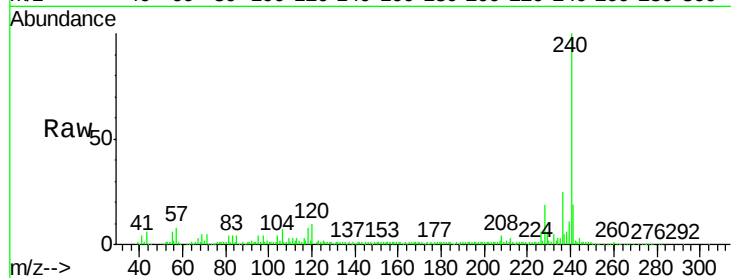
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	5.1	7.7#
236	25.2	20.4	30.6

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#77

Pyrene

Concen: 63.97 ng

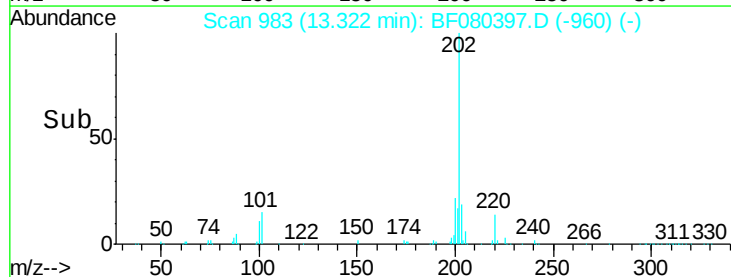
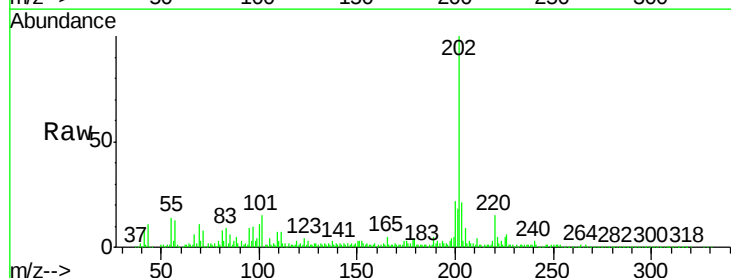
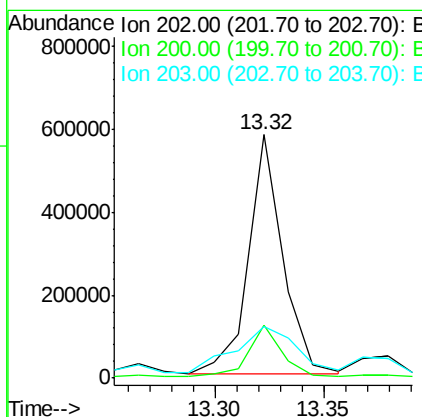
RT: 13.32 min Scan# 983

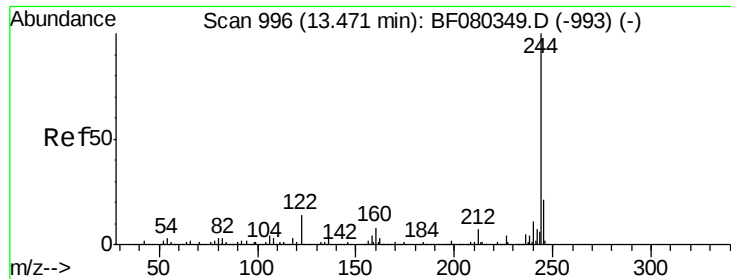
Delta R.T. -0.03 min

Lab File: BF080397.D

Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.2	25.8
203	21.4	14.3	21.5





#78

Terphenyl-d14

Concen: 52.56 ng

RT: 13.46 min Scan# 995

Delta R.T. -0.06 min

Lab File: BF080397.D

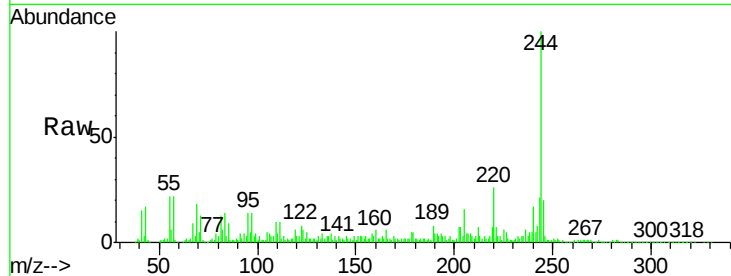
Acq: 8 Jul 2015 19:50

Instrument :

BNA_F

ClientSampleId :

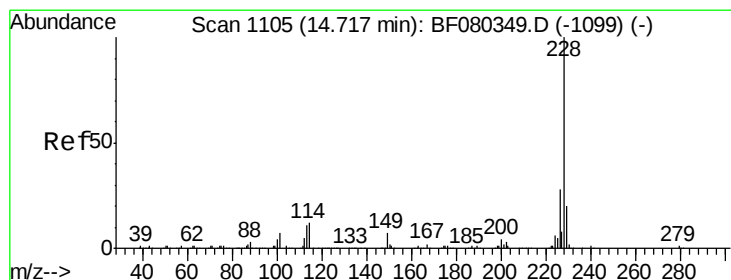
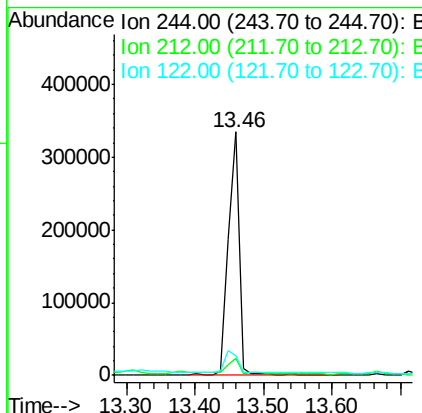
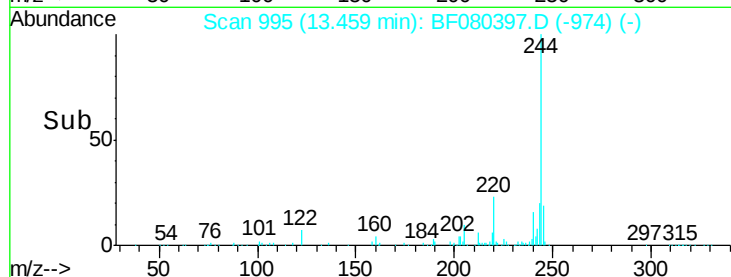
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Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	8.2	11.1	16.7#

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#80

Benzo(a)anthracene

Concen: 27.87 ng

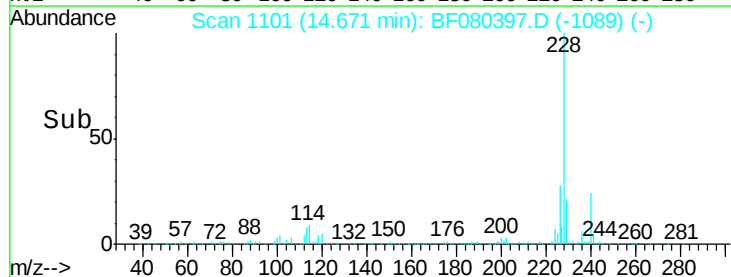
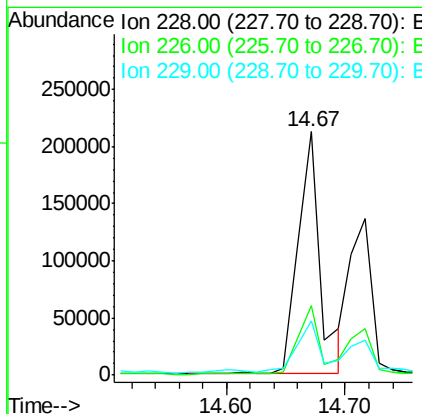
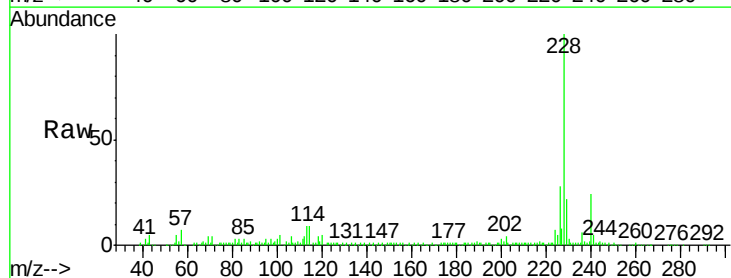
RT: 14.67 min Scan# 1101

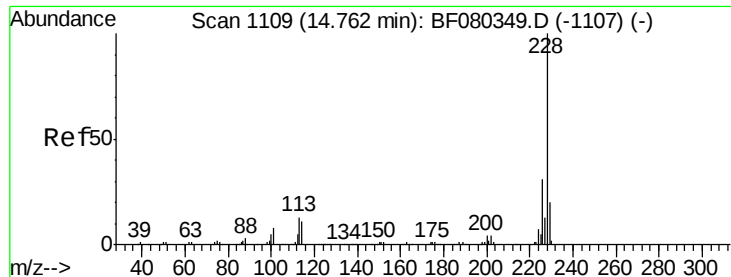
Delta R.T. -0.16 min

Lab File: BF080397.D

Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.4
229	22.1	16.0	24.0





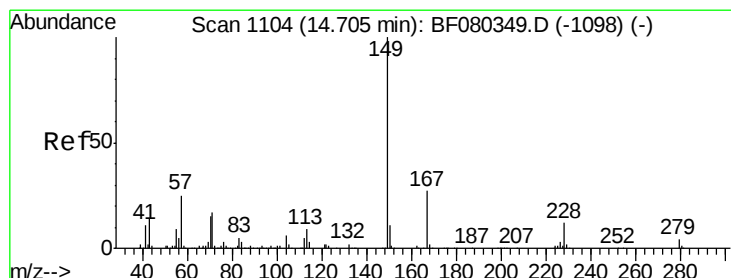
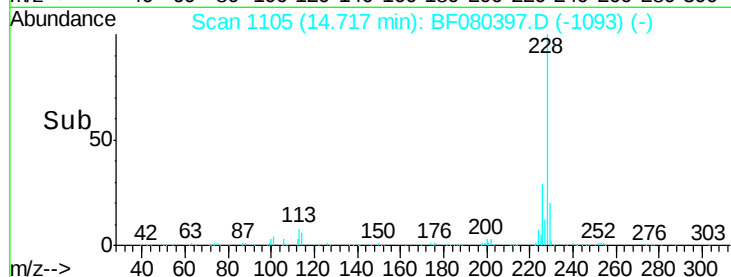
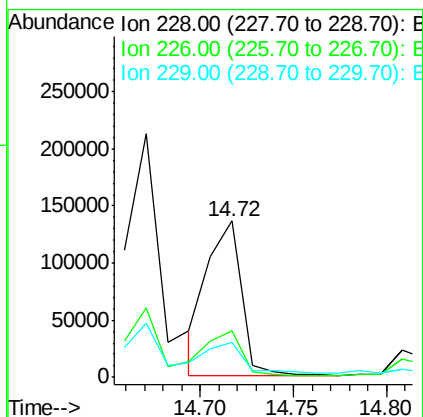
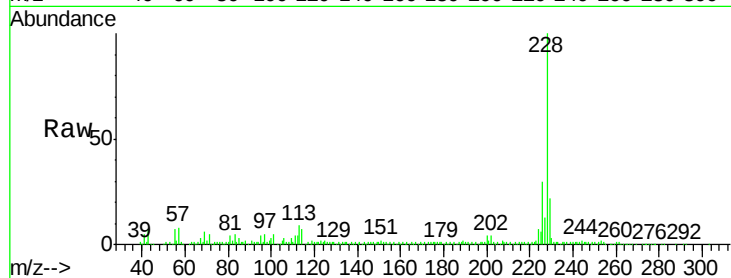
#82
Chrysene
Concen: 19.07 ng
RT: 14.72 min Scan# 1105
Delta R.T. -0.16 min
Lab File: BF080397.D
Acq: 8 Jul 2015 19:50

Instrument :
BNA_F
ClientSampleId :
SB-04-6.5-7.0-070115

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	175994		
226	29.8	25.0	37.4	
229	22.3	16.1	24.1	

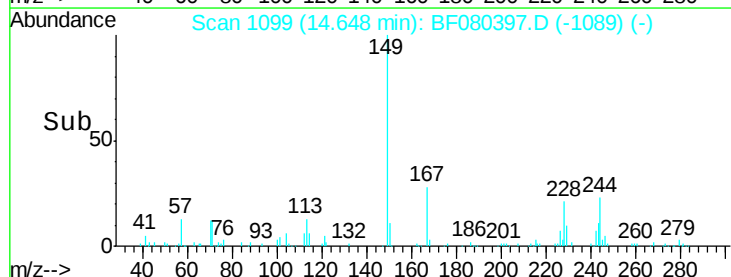
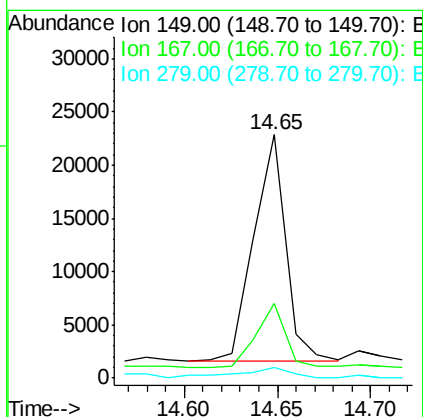
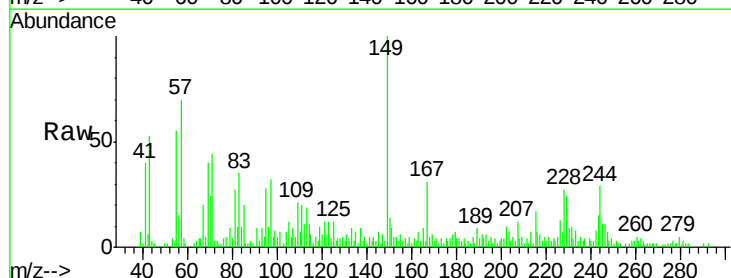
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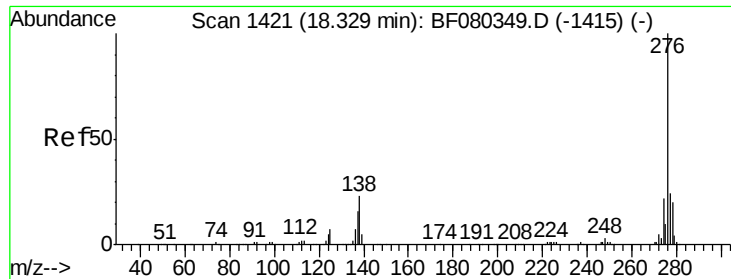
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#83
Bis(2-ethylhexyl)phthalate
Concen: 4.12 ng
RT: 14.65 min Scan# 1099
Delta R.T. -0.18 min
Lab File: BF080397.D
Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	24821		
167	30.6	21.4	32.0	
279	4.6	2.9	4.3#	





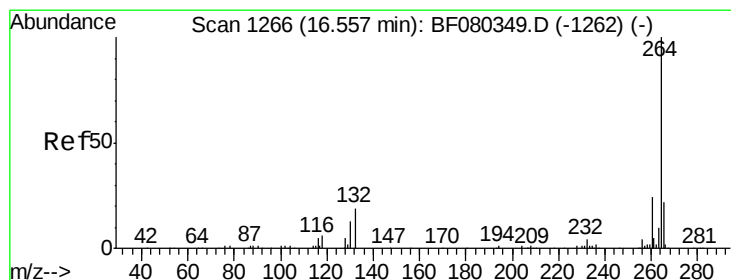
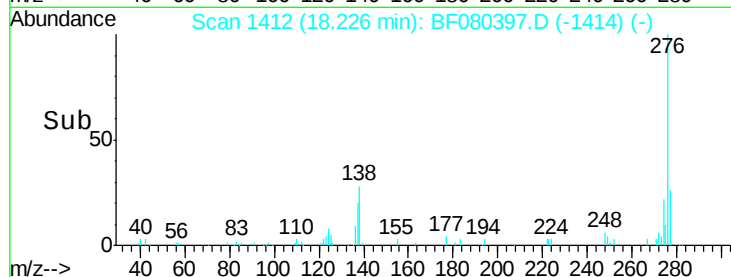
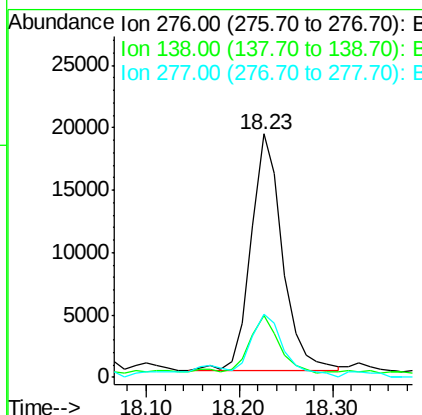
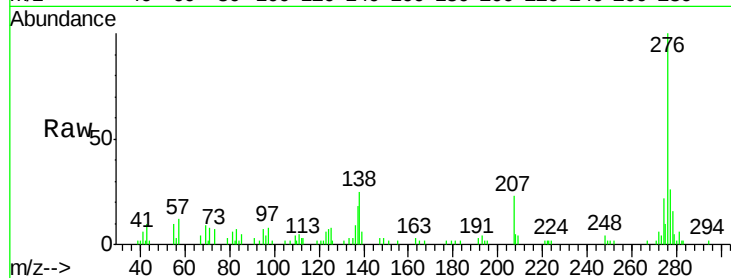
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.14 ng
 RT: 18.23 min Scan# 1412
 Delta R.T. -0.32 min
 Lab File: BF080397.D
 Acq: 8 Jul 2015 19:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-6.5-7.0-070115

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	19.7	29.5
277	27.8	19.4	29.0

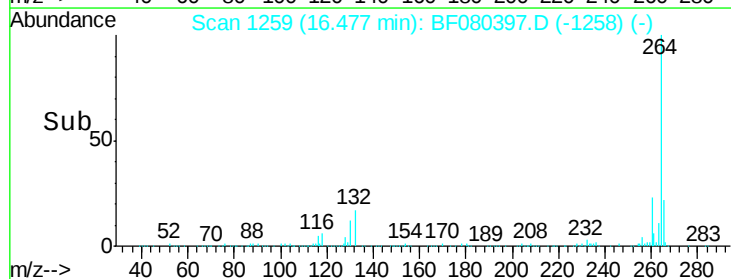
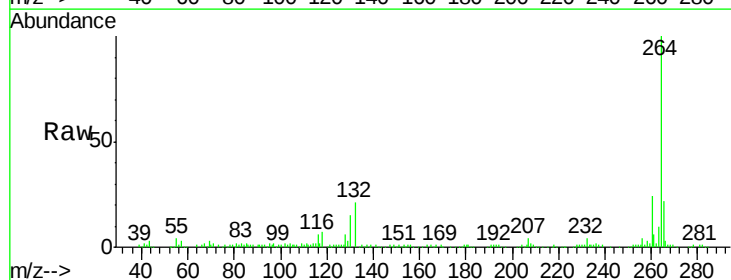
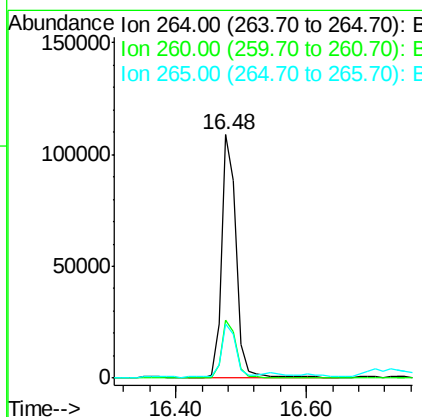
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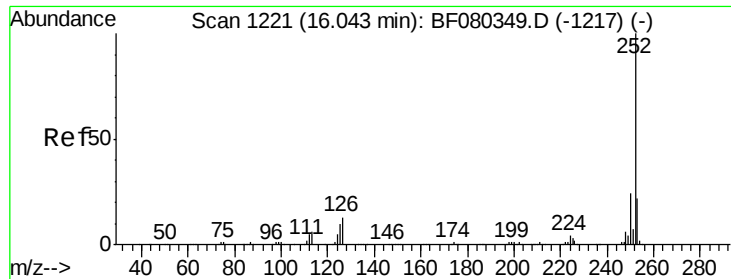
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.48 min Scan# 1259
 Delta R.T. -0.29 min
 Lab File: BF080397.D
 Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.4	17.6	26.4





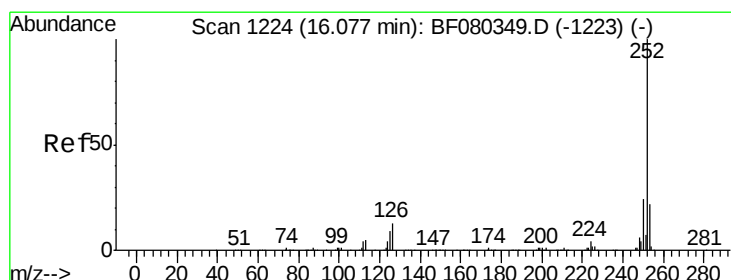
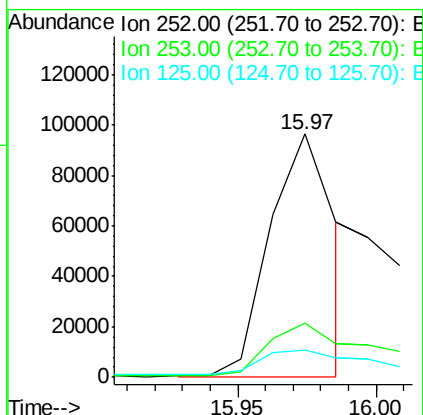
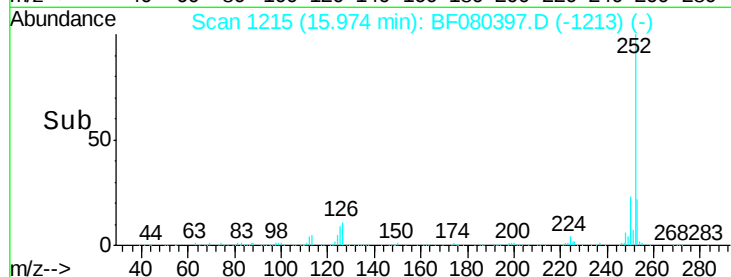
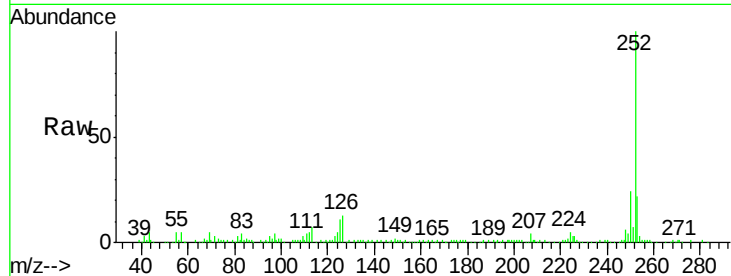
#87
Benzo(b)fluoranthene
Concen: 14.65 ng m
RT: 15.97 min Scan# 1215
Delta R.T. -0.27 min
Lab File: BF080397.D
Acq: 8 Jul 2015 19:50

Instrument :
BNA_F
ClientSampleId :
SB-04-6.5-7.0-070115

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.5	7.7	11.5

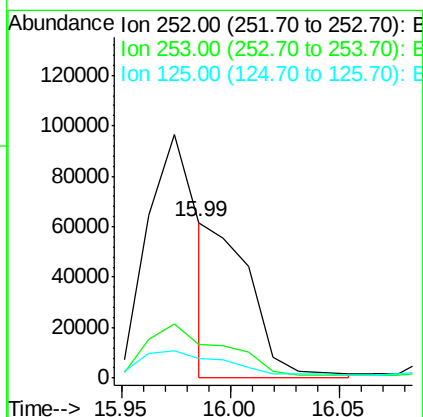
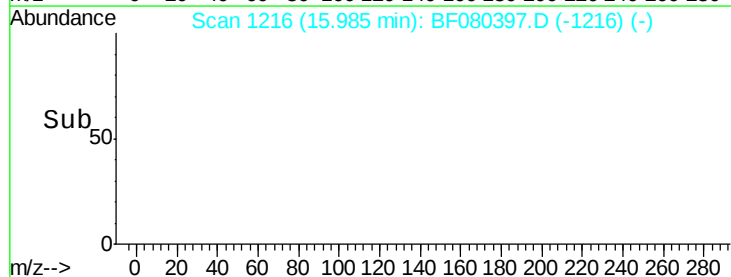
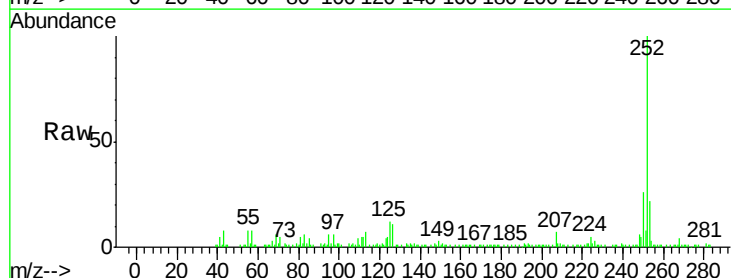
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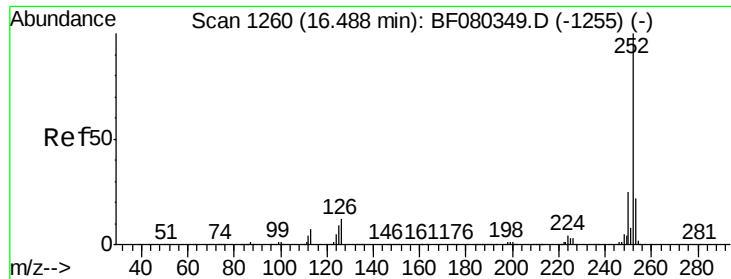
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#88
Benzo(k)fluoranthene
Concen: 7.75 ng m
RT: 15.99 min Scan# 1216
Delta R.T. -0.30 min
Lab File: BF080397.D
Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	12.3	8.5	12.7





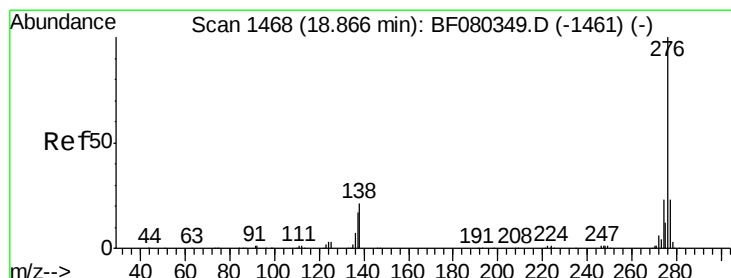
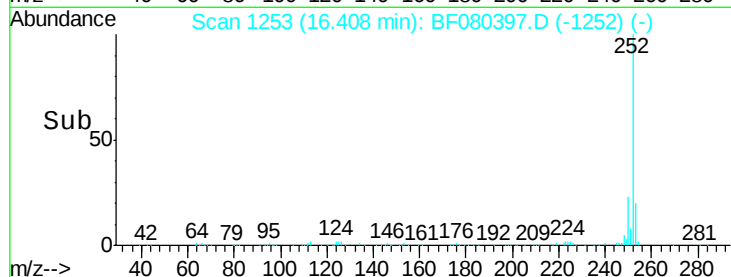
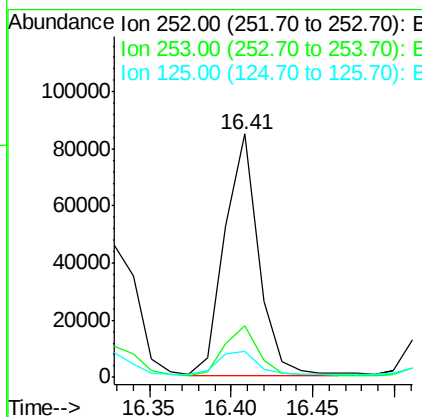
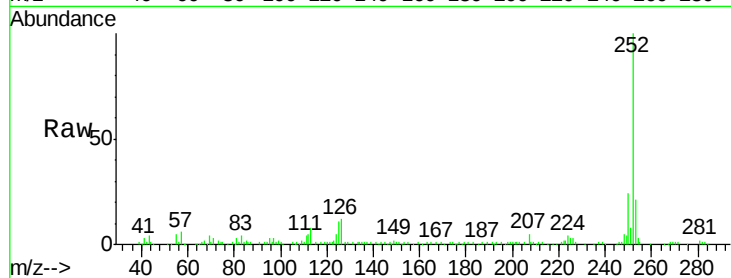
#89
Benzo(a)pyrene
Concen: 12.35 ng
RT: 16.41 min Scan# 1253
Delta R.T. -0.29 min
Lab File: BF080397.D
Acq: 8 Jul 2015 19:50

Instrument :
BNA_F
ClientSampleId :
SB-04-6.5-7.0-070115

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	10.6	7.3	10.9

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#91
Benzo(g,h,i)perylene
Concen: 4.36 ng
RT: 18.75 min Scan# 1458
Delta R.T. -0.33 min
Lab File: BF080397.D
Acq: 8 Jul 2015 19:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	23.6	16.8	25.2

