

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082349.D
 Acq On : 17 Oct 2015 3:28
 Operator : UM/IZ
 Sample : G4016-12DL 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-13DL

Manual Integrations
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Quant Time: Oct 17 04:45:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 04:30:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	52357	20.00	ng	0.01
21) Naphthalene-d8	8.24	136	232123	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	128566	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	246802	20.00	ng	0.00
75) Chrysene-d12	14.14	240	219493	20.00	ng	0.00
86) Perylene-d12	15.66	264	208096	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	4078	1.57	ng	0.01
7) Phenol-d6	6.61	99	6060	1.80	ng	0.01
23) Nitrobenzene-d5	7.52	82	3401	0.98	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	2839	2.35	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	14632	1.89	ng	0.00
78) Terphenyl-d14	13.05	244	19212	2.32	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.85	152	93231	7.75	ng	98
54) Dibenzofuran	10.19	168	45656	4.61	ng	93
57) Fluorene	10.54	166	46654	5.73	ng	99
70) Phenanthrene	11.50	178	808504	66.83	ng	99
71) Anthracene	11.56	178	191384	15.35	ng	98
72) Carbazole	11.70	167	119415	10.50	ng	99
74) Fluoranthene	12.69	202	831124	63.97	ng	96
77) Pyrene	12.92	202	645282	49.54	ng	99
80) Benzo(a)anthracene	14.13	228	361493m	31.65	ng	
82) Chrysene	14.16	228	333240m	27.69	ng	
85) Indeno(1,2,3-cd)pyrene	17.16	276	128828	13.47	ng	97
87) Benzo(b)fluoranthene	15.22	252	341337m	26.96	ng	
88) Benzo(k)fluoranthene	15.24	252	149365m	14.04	ng	
89) Benzo(a)pyrene	15.60	252	226557m	20.82	ng	
90) Dibenzo(a,h)anthracene	17.17	278	45009	5.05	ng	92
91) Benzo(g,h,i)perylene	17.61	276	104797	12.10	ng	99

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

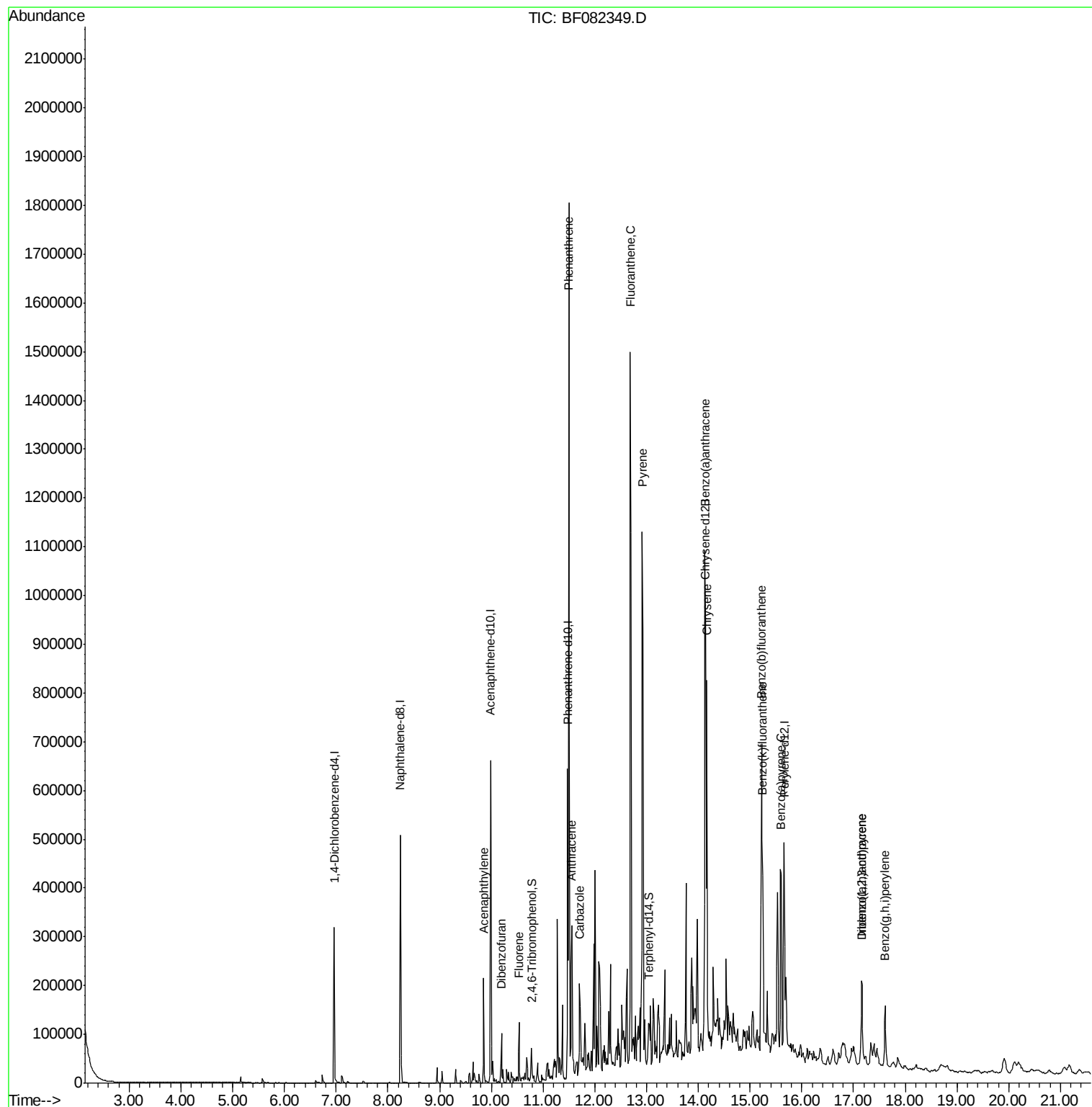
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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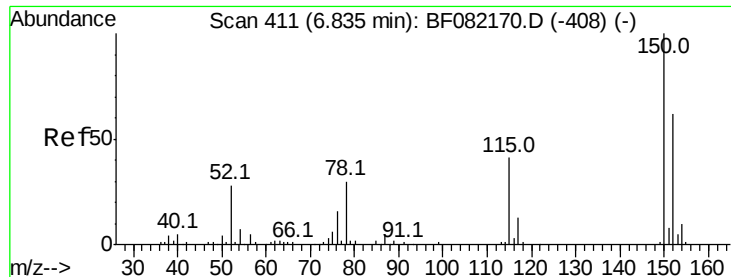
Instrument :
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Quant Time: Oct 17 04:45:48 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

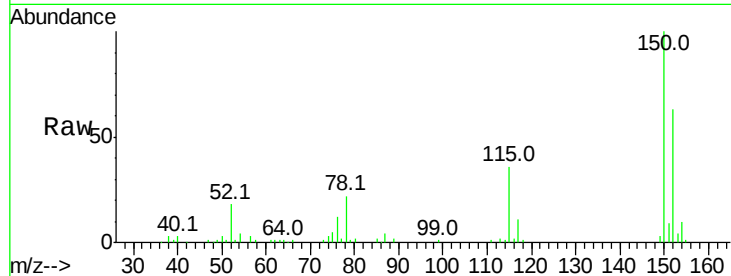
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 422
Delta R.T. 0.01 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
CS-13DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	129.0	193.4
115	57.0	52.1	78.1

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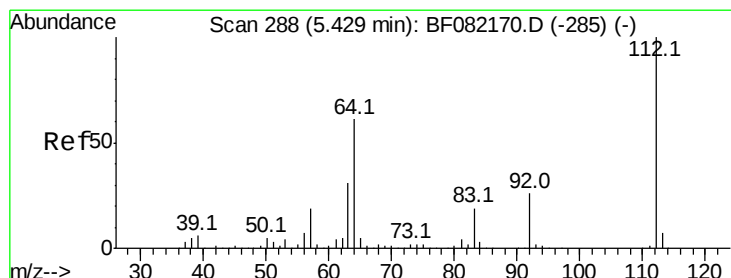
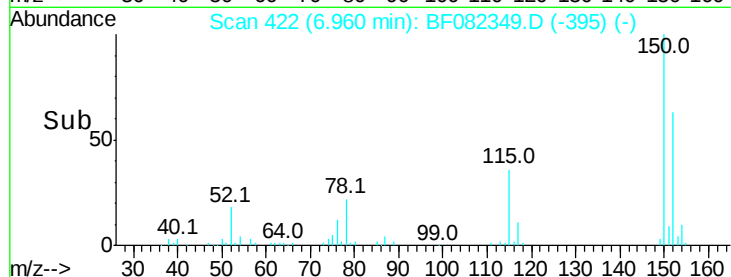
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

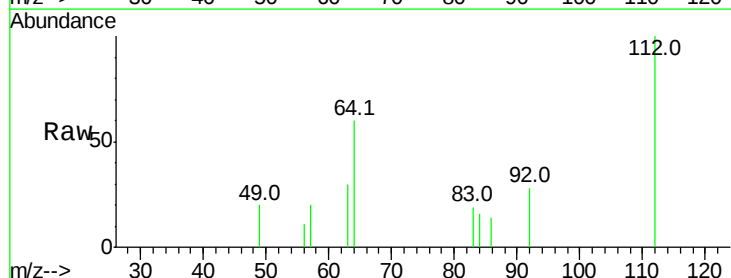
Time-->



#5

2-Fluorophenol
Concen: 1.57 ng
RT: 5.58 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.6	73.0
63	30.2	25.1	37.7



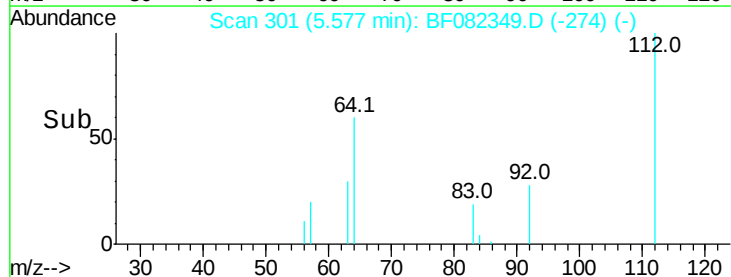
Abundance

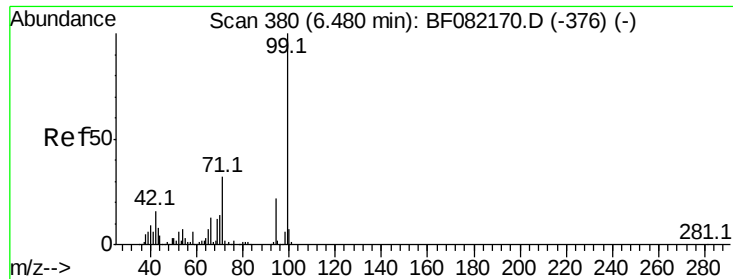
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 1.80 ng

RT: 6.61 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF082349.D

Acq: 17 Oct 2015 3:28

Instrument :

BNA_F

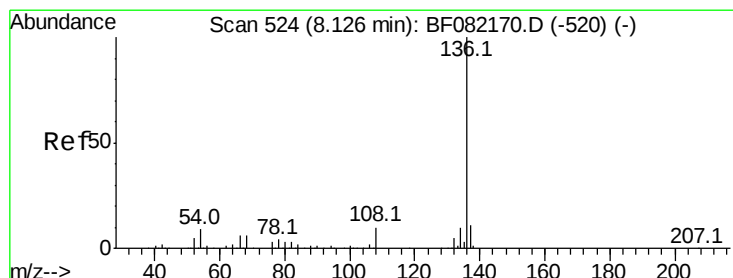
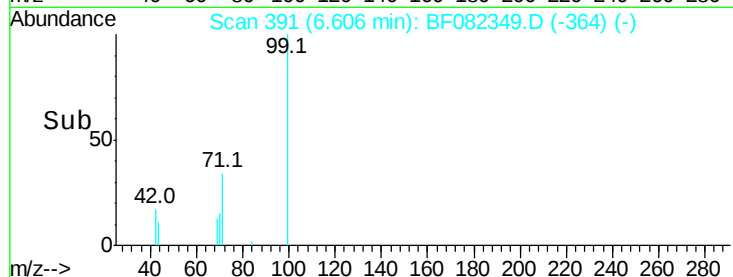
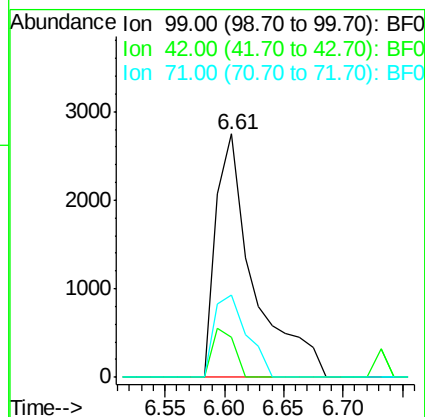
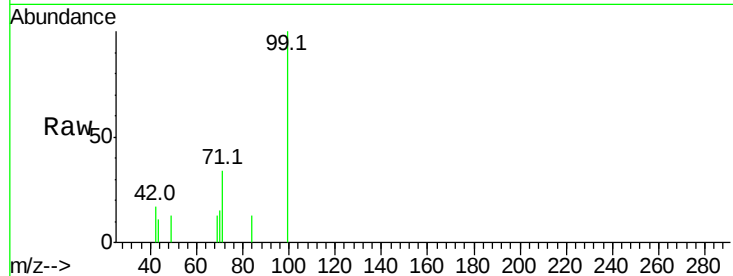
ClientSampleId :

CS-13DL

Tot Ion:	99	Resp:	6060
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.2	19.8
71	33.6	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

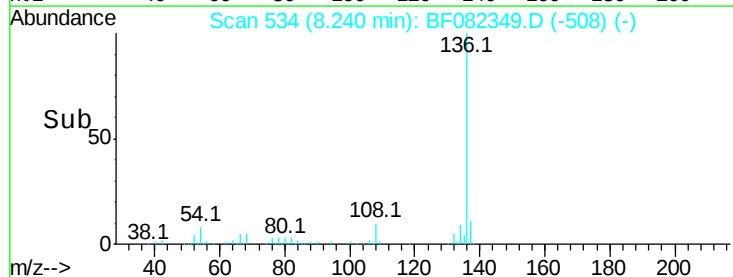
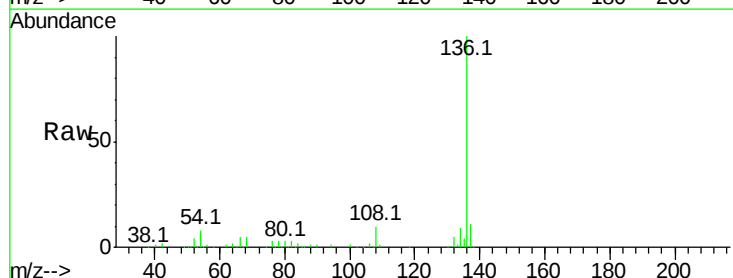
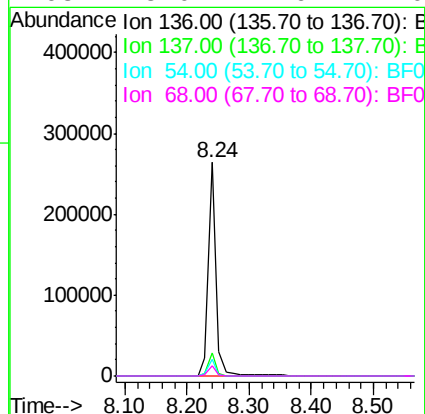
RT: 8.24 min Scan# 534

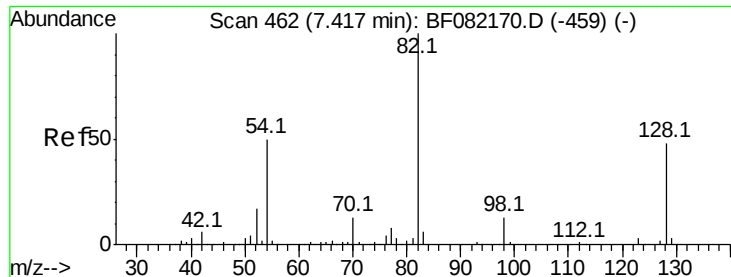
Delta R.T. 0.00 min

Lab File: BF082349.D

Acq: 17 Oct 2015 3:28

Tgt Ion:	136	Resp:	232123
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	7.7	7.5	11.3
68	5.0	4.6	7.0





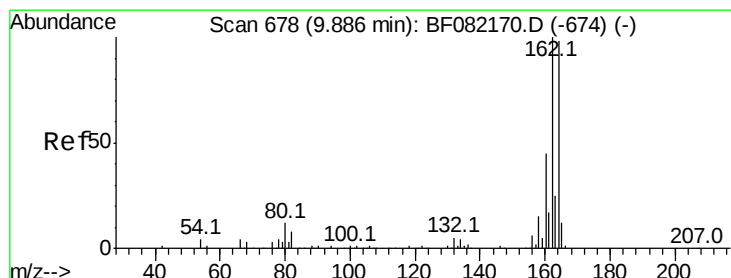
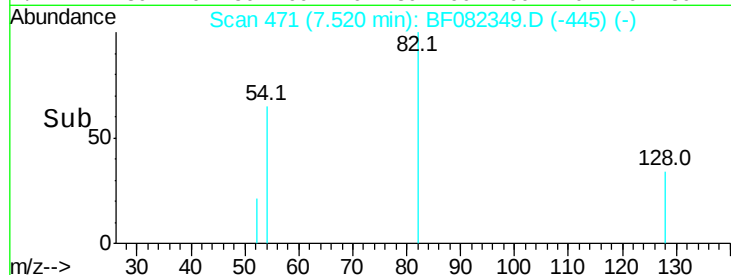
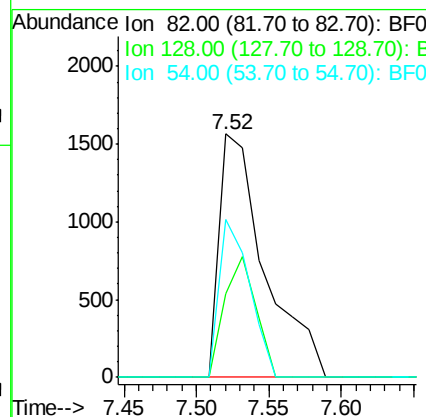
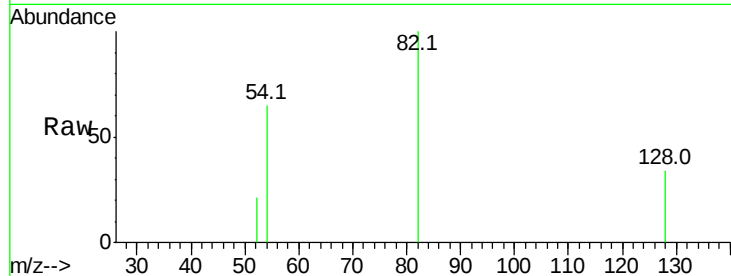
#23
 Nitrobenzene-d5
 Concen: 0.98 ng
 RT: 7.52 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF082349.D
 Acq: 17 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 CS-13DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.4	38.7	58.1#
54	64.9	40.1	60.1#

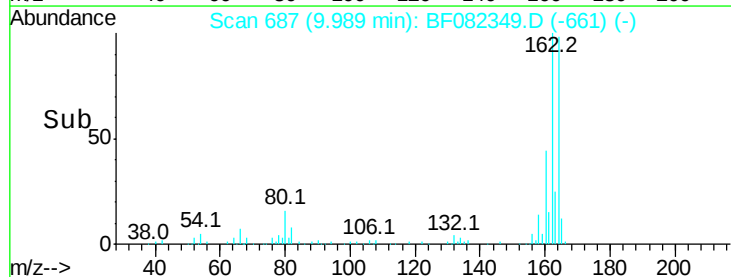
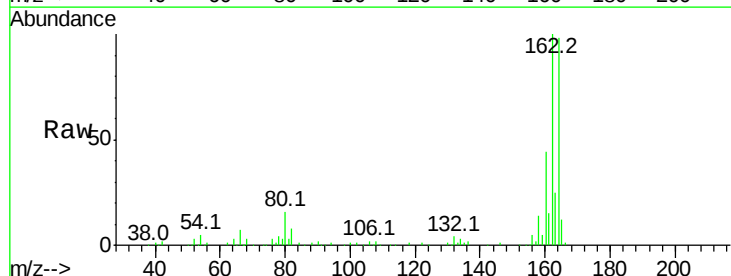
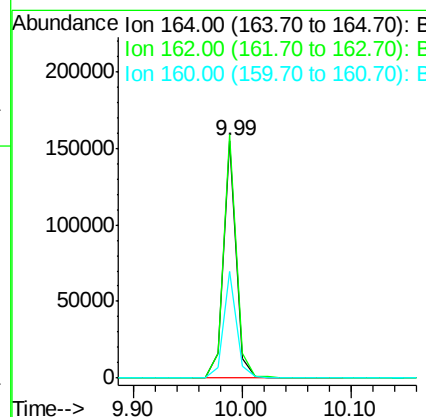
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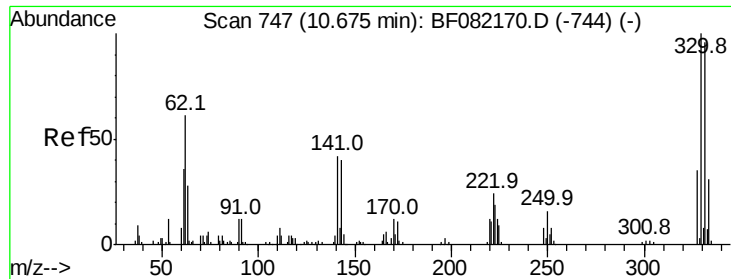
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.99 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: BF082349.D
 Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.6	122.4
160	45.0	36.4	54.6





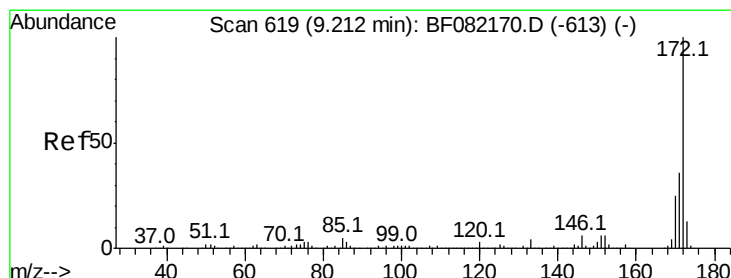
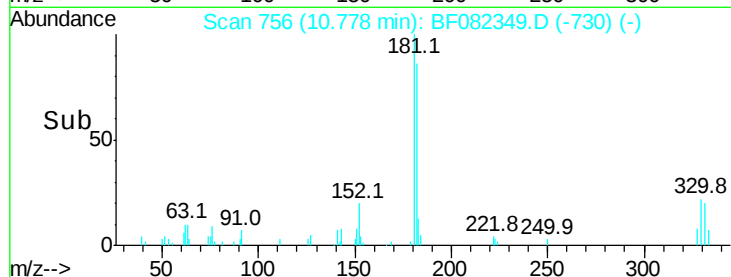
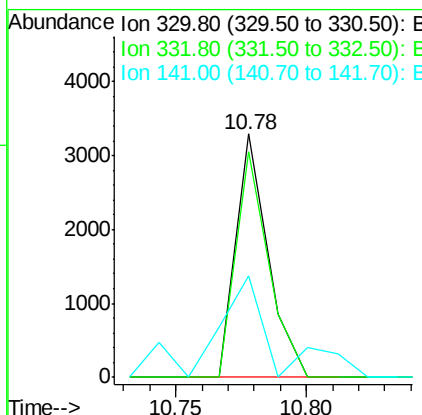
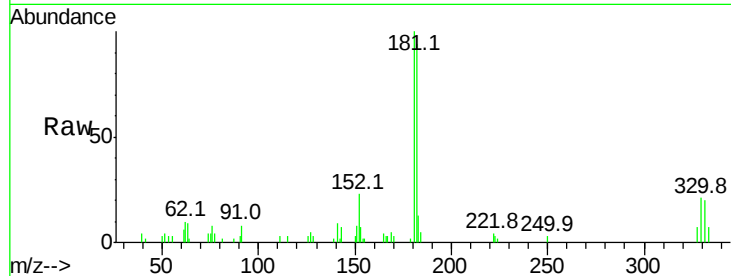
#41
 2,4,6-Tribromophenol
 Concen: 2.35 ng
 RT: 10.78 min Scan# 756
 Delta R.T. 0.00 min
 Lab File: BF082349.D
 Acq: 17 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 CS-13DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.1	115.7
141	77.8	29.8	44.8#

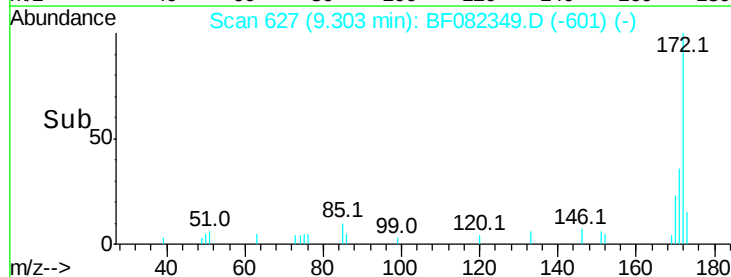
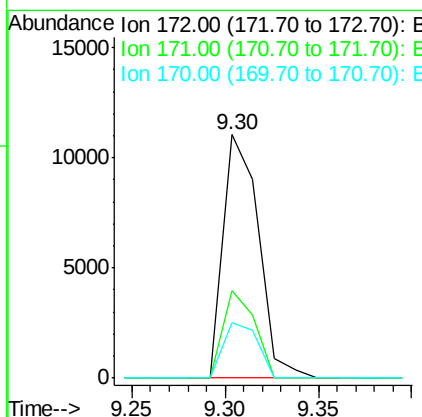
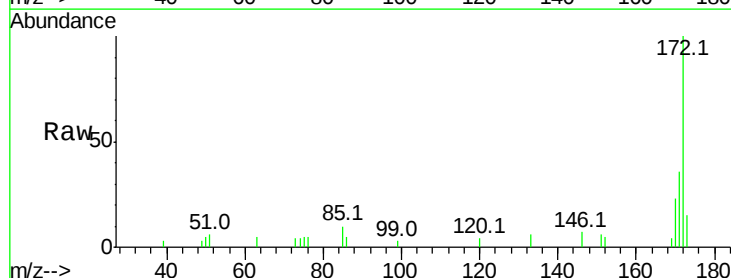
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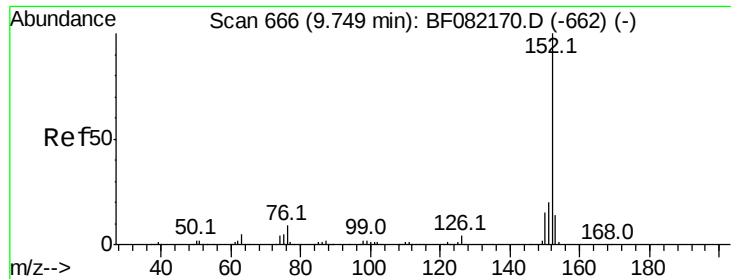
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#44
 2-Fluorobiphenyl
 Concen: 1.89 ng
 RT: 9.30 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF082349.D
 Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	42.8
170	22.7	19.7	29.5





#48

Acenaphthylene

Concen: 7.75 ng

RT: 9.85 min Scan# 675

Delta R.T. 0.00 min

Lab File: BF082349.D

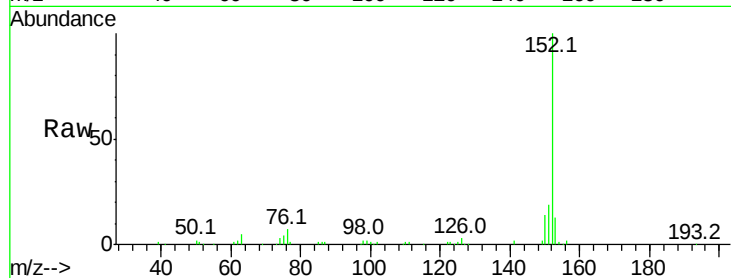
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Instrument :

BNA_F

ClientSampleId :

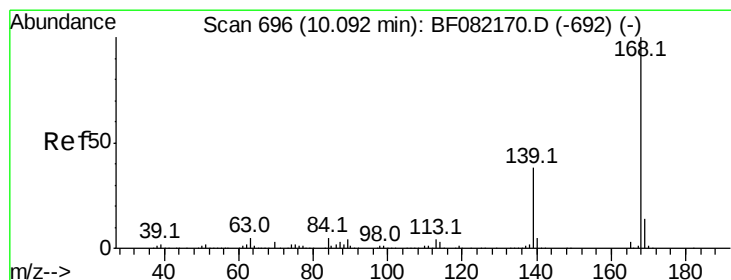
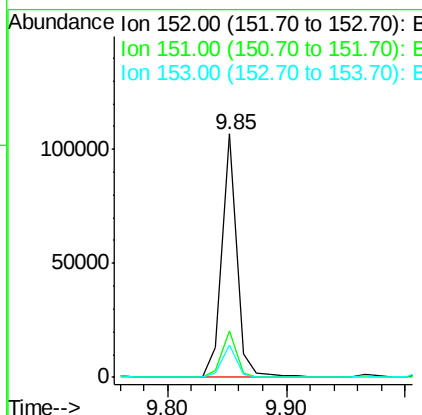
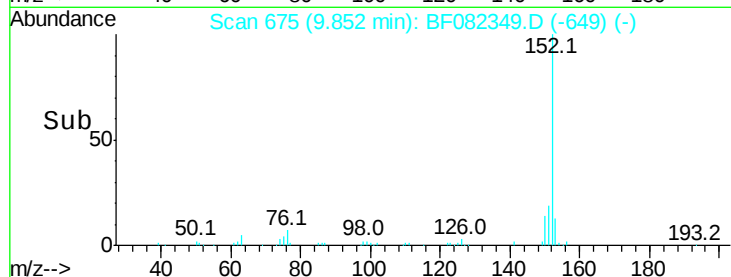
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Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.4	24.6
153	13.1	10.8	16.2

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#54

Dibenzofuran

Concen: 4.61 ng

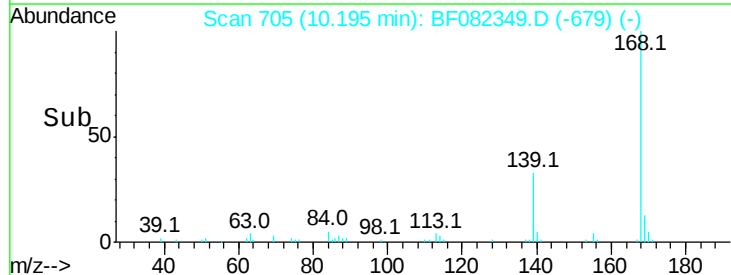
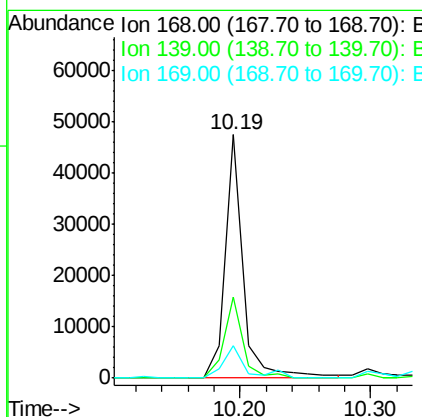
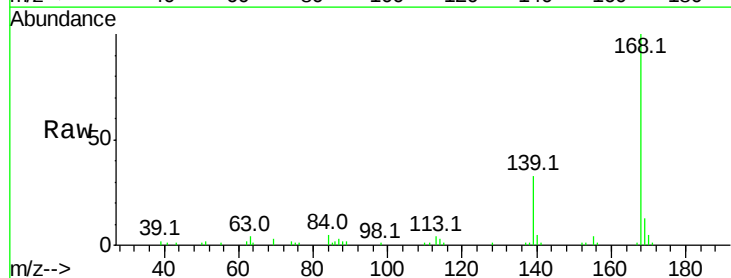
RT: 10.19 min Scan# 705

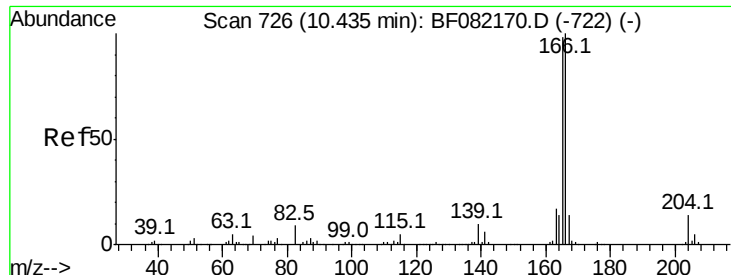
Delta R.T. 0.00 min

Lab File: BF082349.D

Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.1	31.0	46.6
169	13.4	10.9	16.3





#57

Fluorene

Concen: 5.73 ng

RT: 10.54 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF082349.D

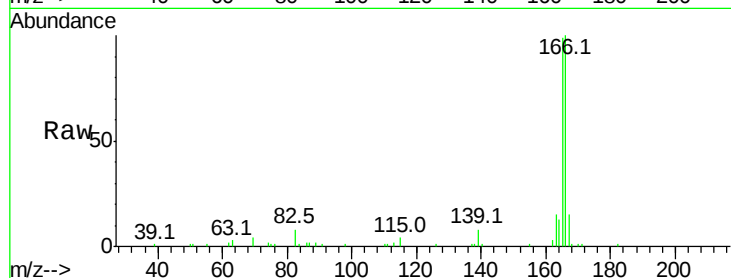
Acq: 17 Oct 2015 3:28

Instrument :

BNA_F

ClientSampleId :

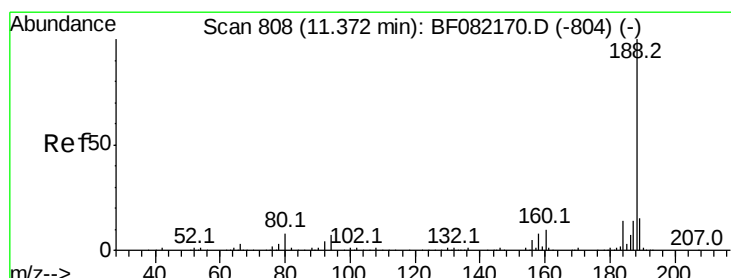
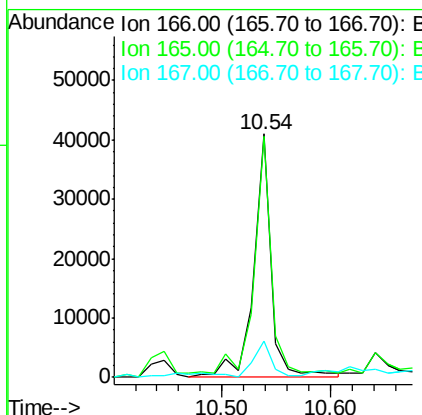
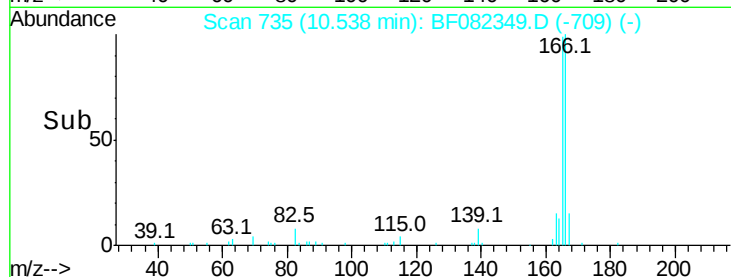
CS-13DL



Tot Ion:	166	Resp:	46654
Ion Ratio	Lower	Upper	
166	100		
165	98.8	78.3	117.5
167	14.7	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

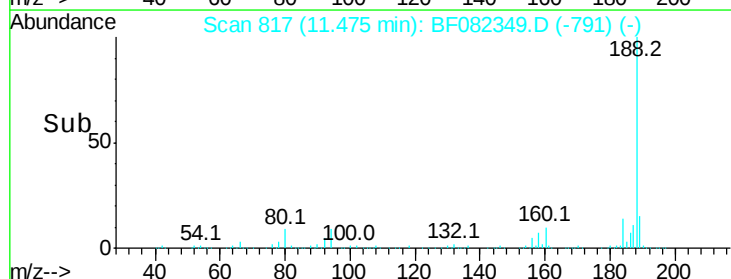
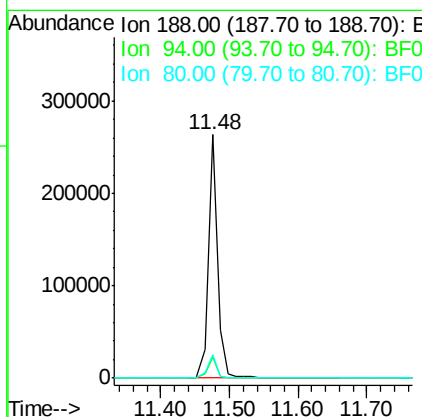
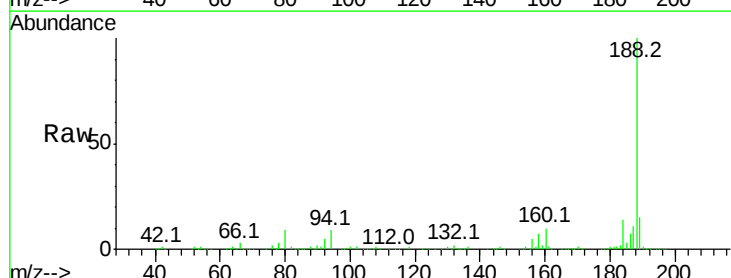
RT: 11.48 min Scan# 817

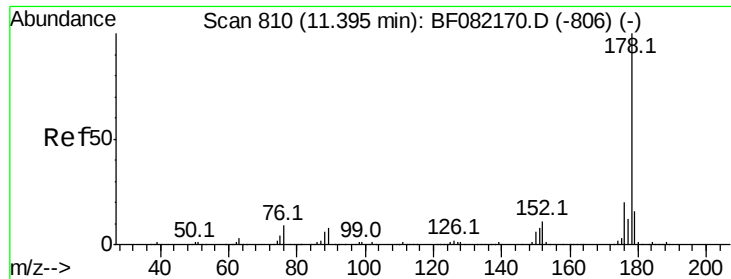
Delta R.T. 0.00 min

Lab File: BF082349.D

Acq: 17 Oct 2015 3:28

Tgt Ion:	188	Resp:	246802
Ion Ratio	Lower	Upper	
188	100		
94	8.8	5.8	8.6#
80	9.4	6.4	9.6





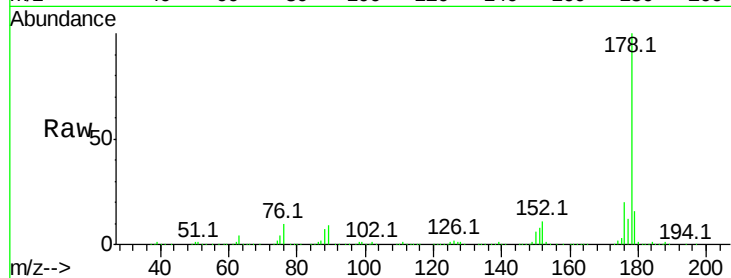
#70
Phenanthrene
Concen: 66.83 ng
RT: 11.50 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
CS-13DL

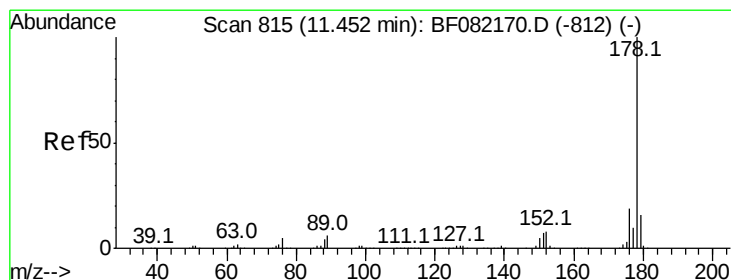
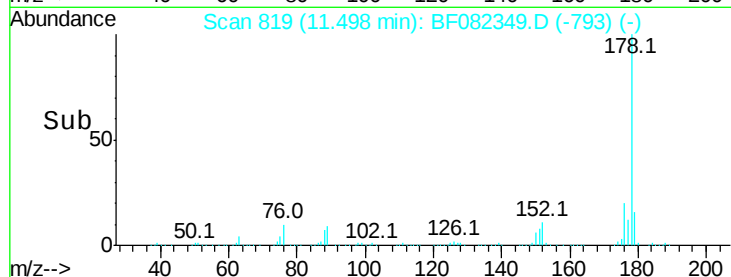
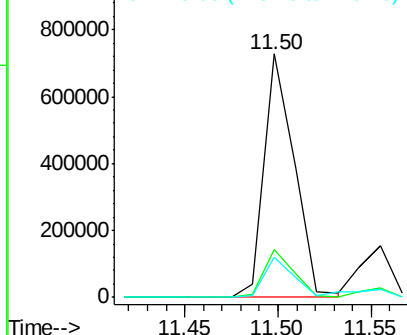
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	16.2	12.6	19.0

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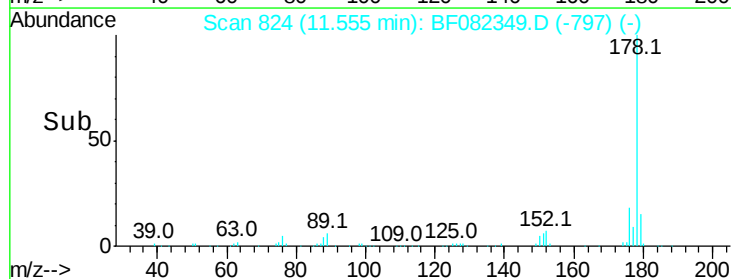
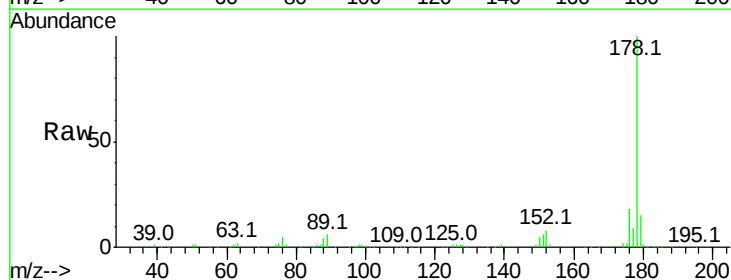
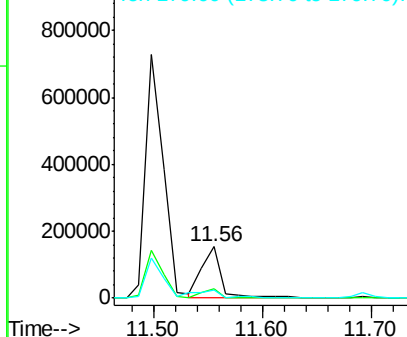
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

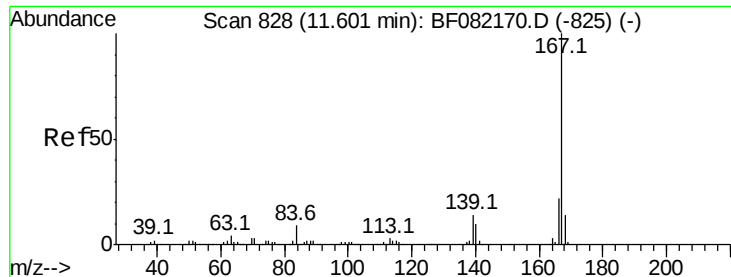


#71
Anthracene
Concen: 15.35 ng
RT: 11.56 min Scan# 824
Delta R.T. 0.01 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	15.3	12.5	18.7

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





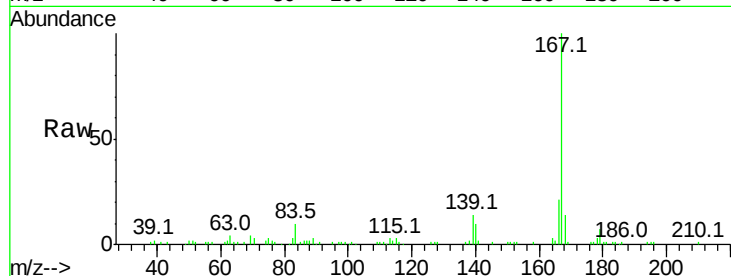
#72
 Carbazole
 Concen: 10.50 ng
 RT: 11.70 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BF082349.D
 Acq: 17 Oct 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 CS-13DL

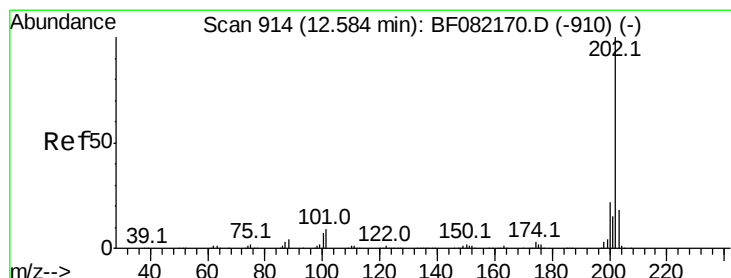
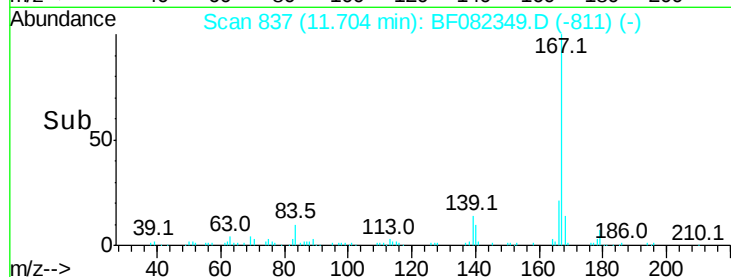
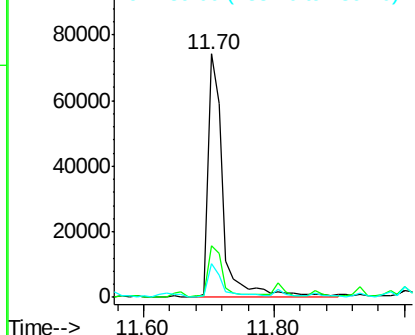
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.3	25.9
139	13.6	11.2	16.8

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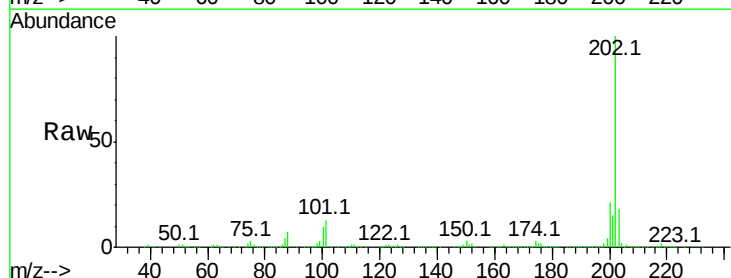


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

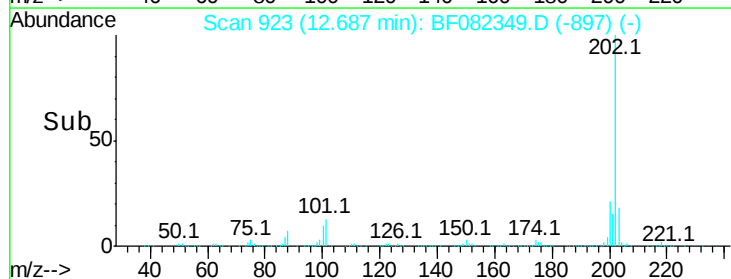
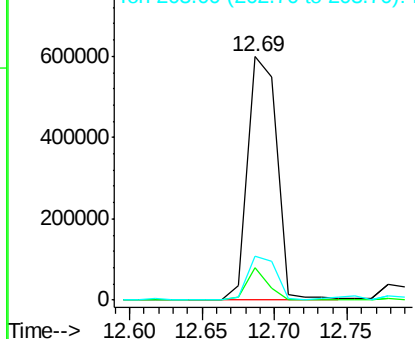


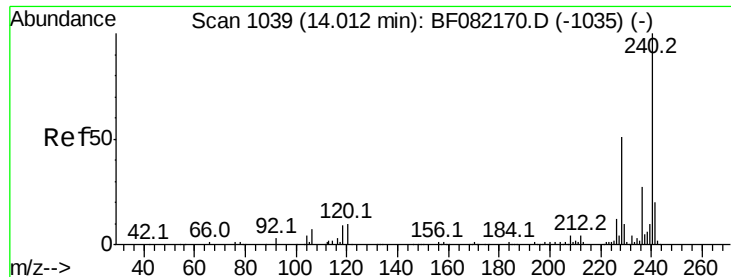
#74
 Fluoranthene
 Concen: 63.97 ng
 RT: 12.69 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: BF082349.D
 Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	29.3
203	18.3	0.0	37.8



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.14 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF082349.D

Acq: 17 Oct 2015 3:28

Instrument :

BNA_F

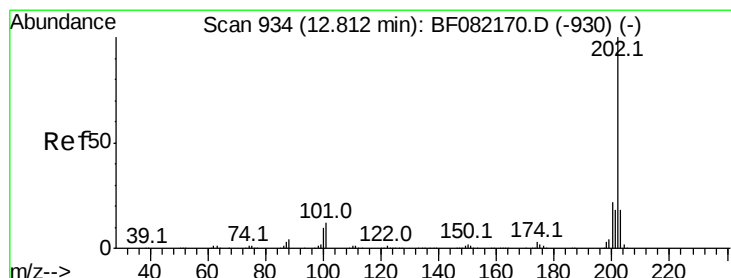
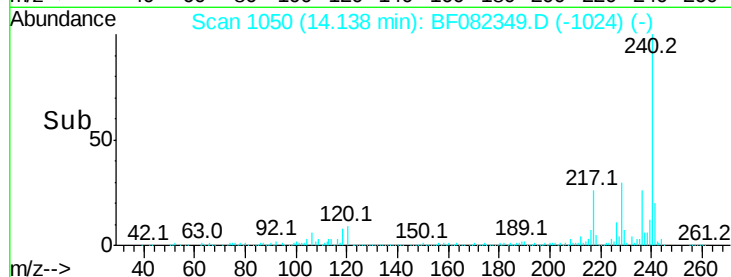
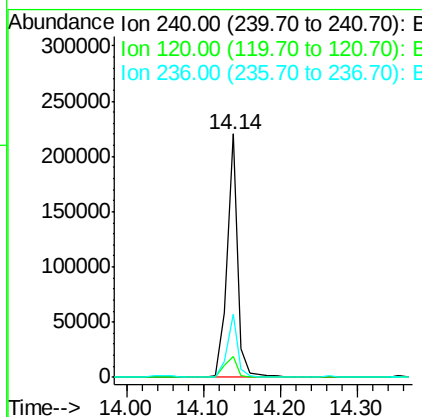
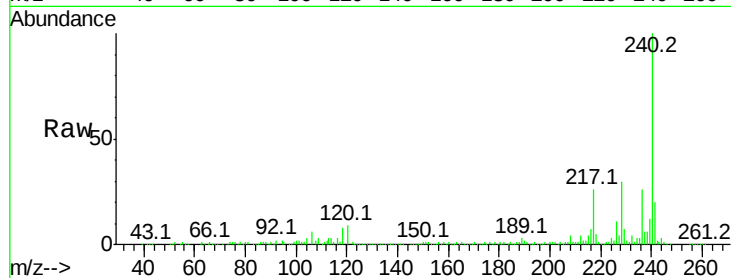
ClientSampleId :

CS-13DL

Tot Ion:	240	Resp:	219493
Ion Ratio	Lower	Upper	
240	100		
120	8.7	8.1	12.1
236	25.7	21.3	31.9

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#77

Pyrene

Concen: 49.54 ng

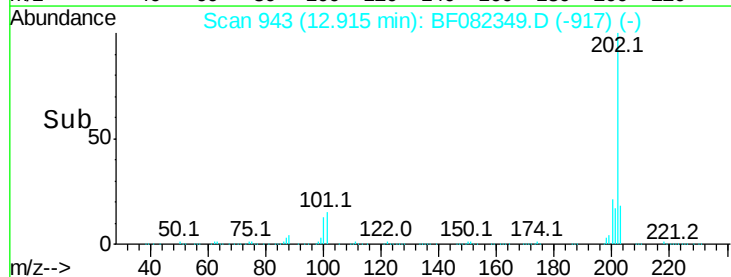
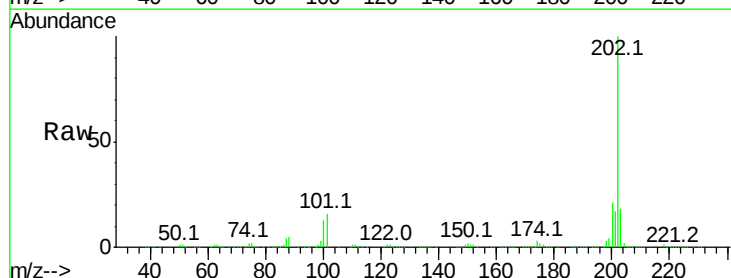
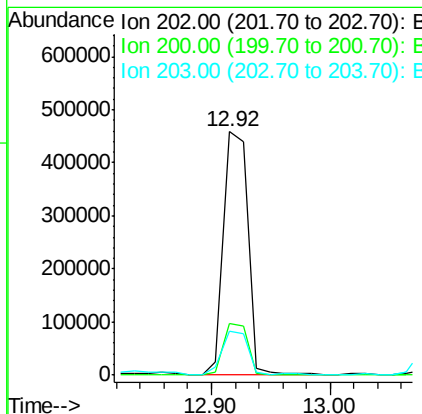
RT: 12.92 min Scan# 943

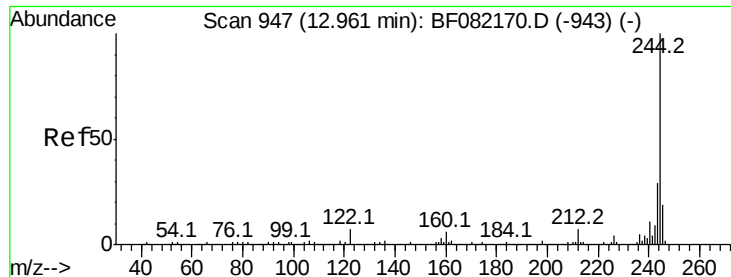
Delta R.T. 0.00 min

Lab File: BF082349.D

Acq: 17 Oct 2015 3:28

Tgt Ion:	202	Resp:	645282
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.9	26.9
203	18.0	14.5	21.7





#78

Terphenyl-d14

Concen: 2.32 ng

RT: 13.05 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF082349.D

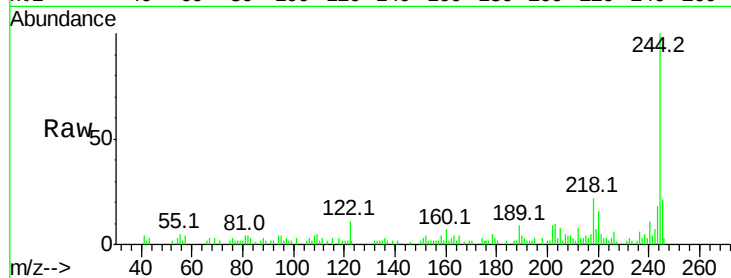
Acq: 17 Oct 2015 3:28

Instrument :

BNA_F

ClientSampled :

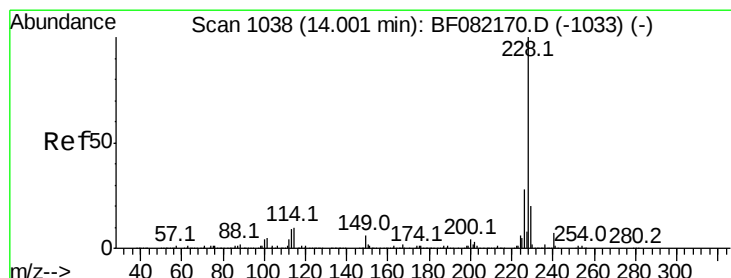
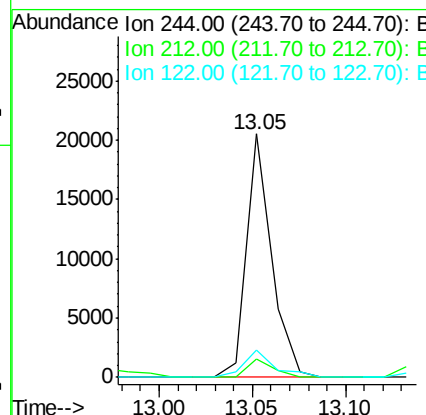
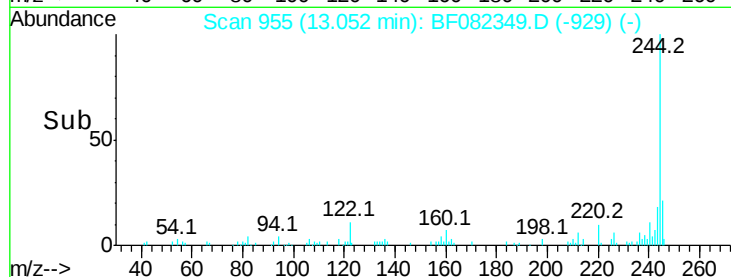
CS-13DL



Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	11.3	5.9	8.9#

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#80

Benzo(a)anthracene

Concen: 31.65 ng m

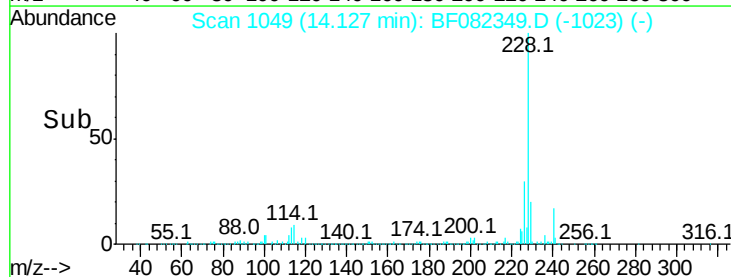
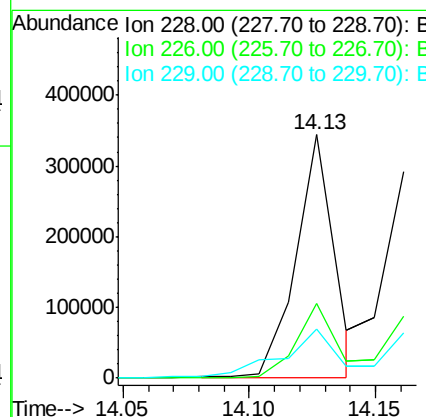
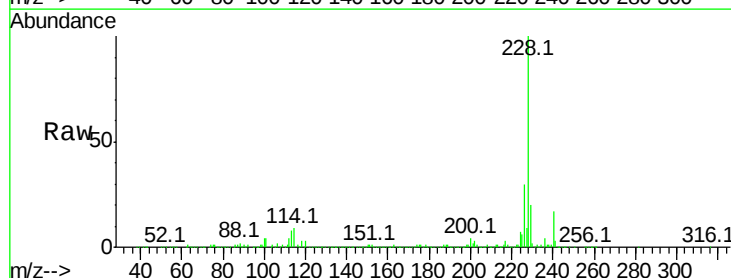
RT: 14.13 min Scan# 1049

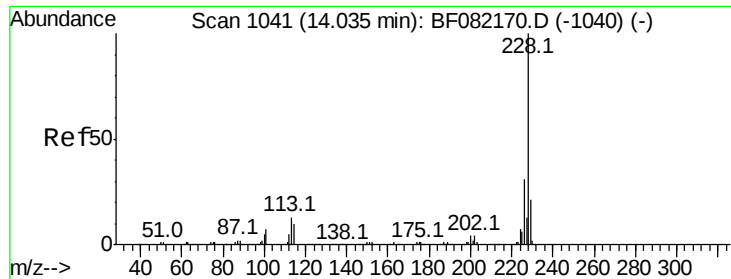
Delta R.T. 0.00 min

Lab File: BF082349.D

Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.3	33.5
229	20.3	16.2	24.2





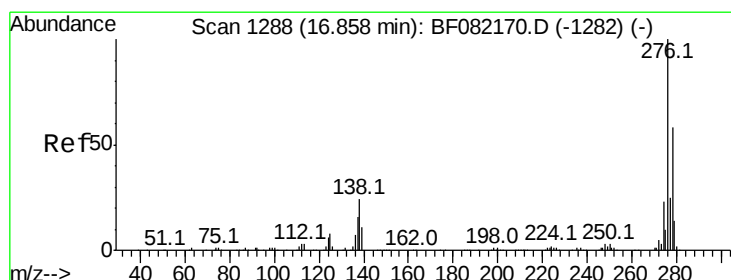
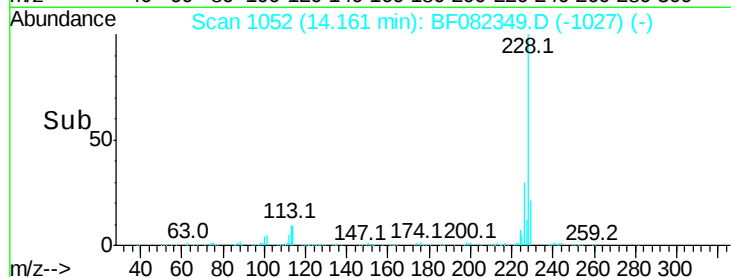
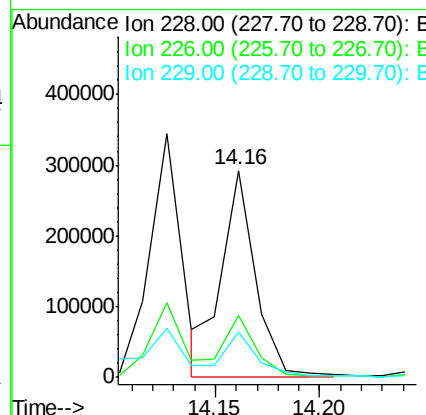
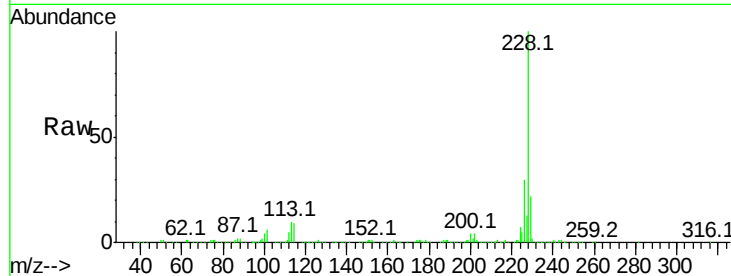
#82
Chrysene
Concen: 27.69 ng/ml
RT: 14.16 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
CS-13DL

Tot Ion:	228	Resp:	333240
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.4	36.6
229	21.9	16.3	24.5

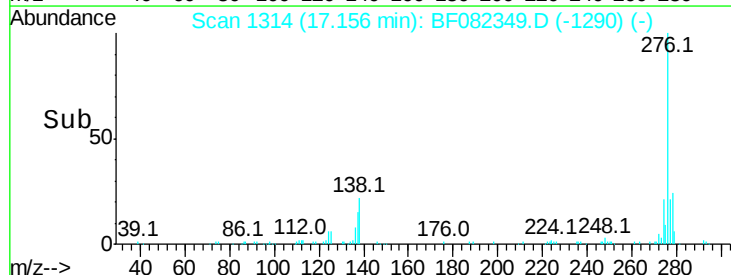
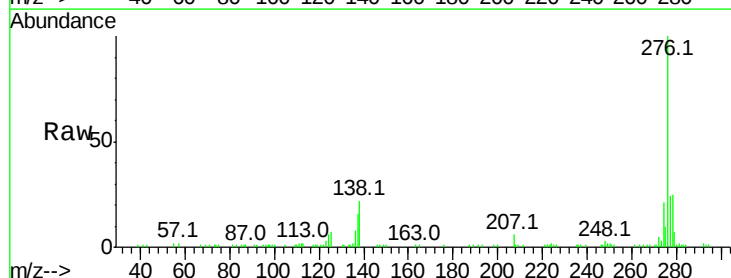
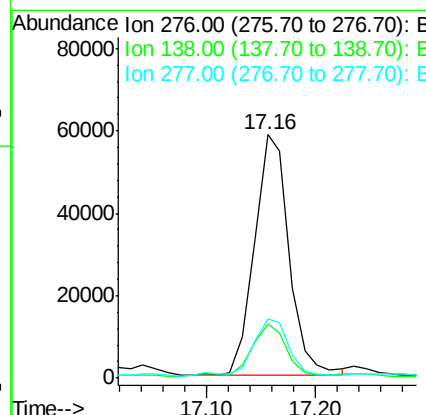
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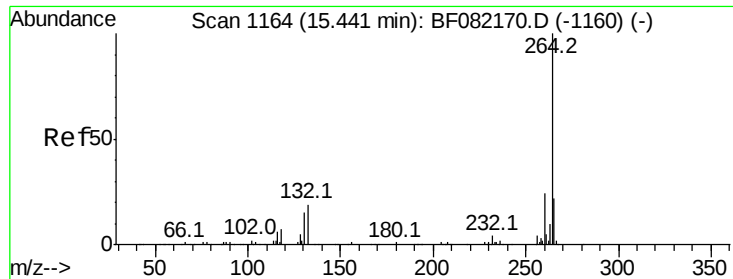
MMdadoda
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#85
Indeno(1,2,3-cd)pyrene
Concen: 13.47 ng/ml
RT: 17.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Tgt Ion:	276	Resp:	128828
Ion Ratio	Lower	Upper	
276	100		
138	22.1	19.7	29.5
277	24.5	20.1	30.1





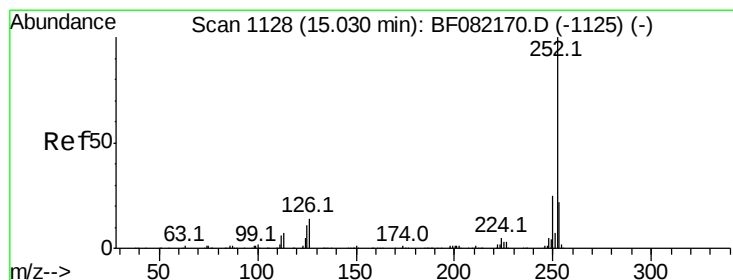
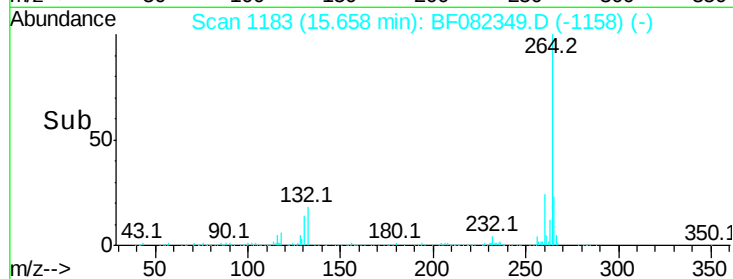
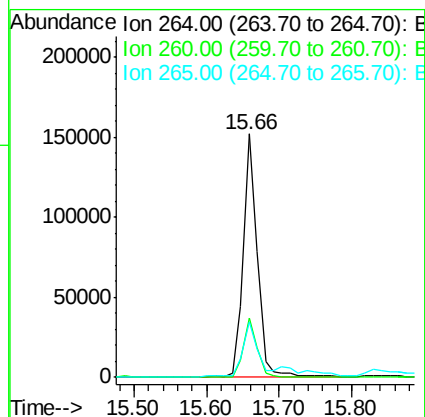
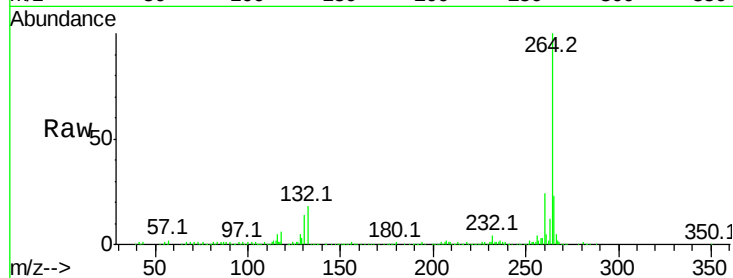
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.66 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
CS-13DL

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.4	19.0	28.6	
265	22.6	17.3	25.9	

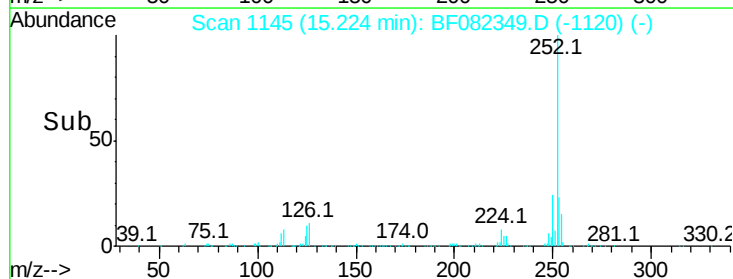
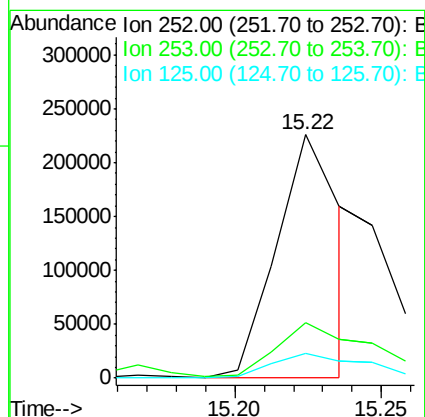
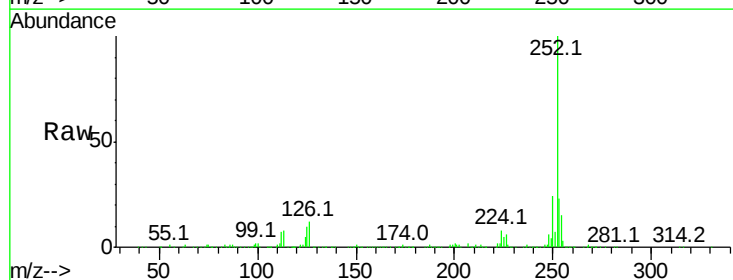
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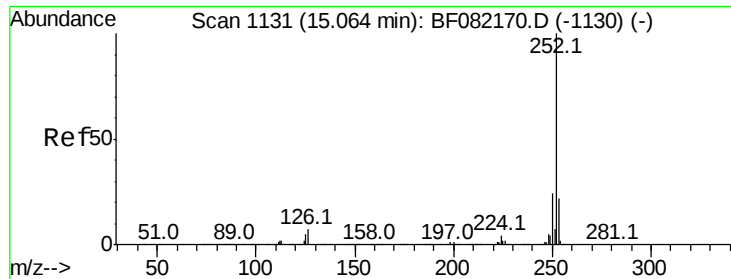
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#87
Benzo(b)fluoranthene
Concen: 26.96 ng m
RT: 15.22 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.9	18.0	27.0	
125	10.2	8.6	12.8	





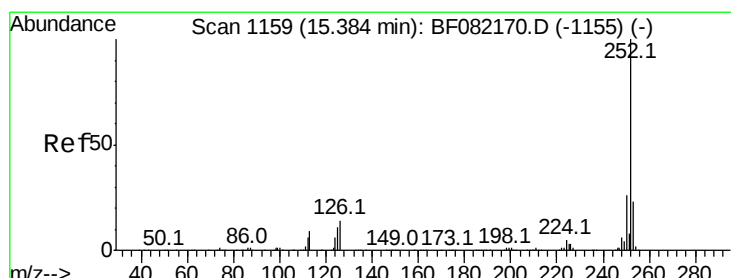
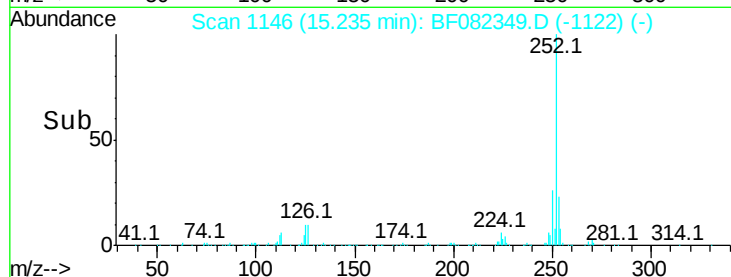
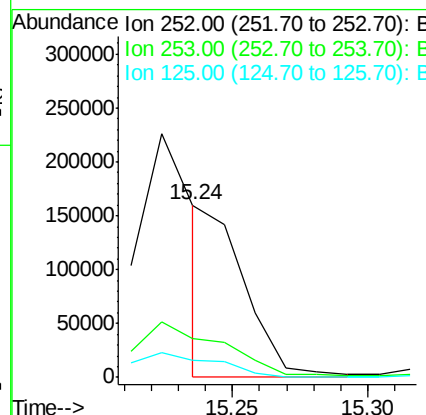
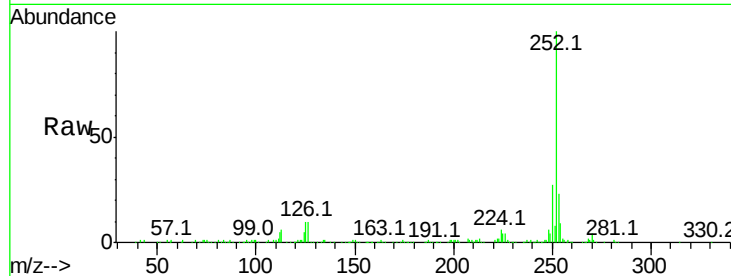
#88
Benzo(k)fluoranthene
Concen: 14.04 ng m
RT: 15.24 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
CS-13DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.2	6.7	10.1

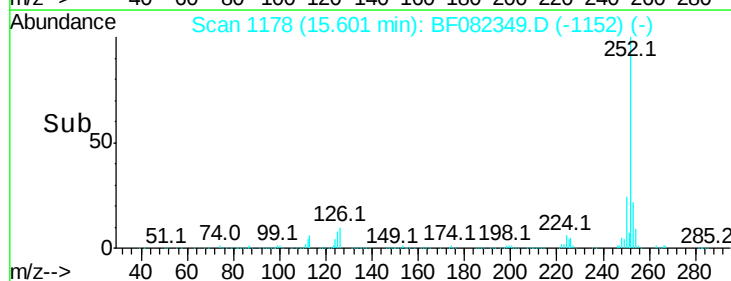
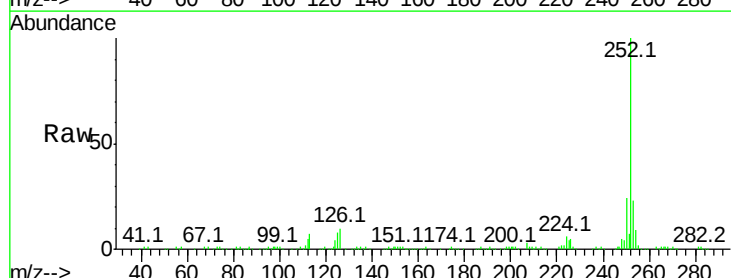
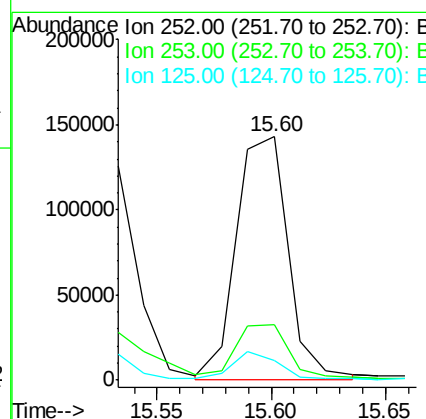
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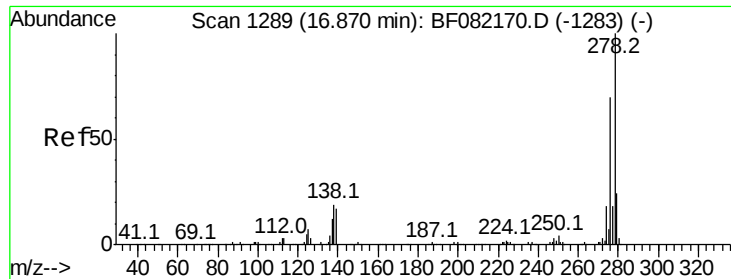
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#89
Benzo(a)pyrene
Concen: 20.82 ng m
RT: 15.60 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	8.2	8.9	13.3





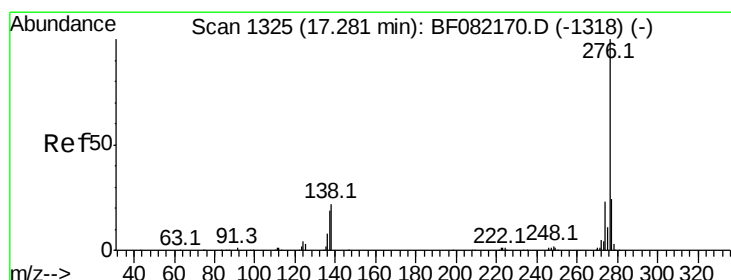
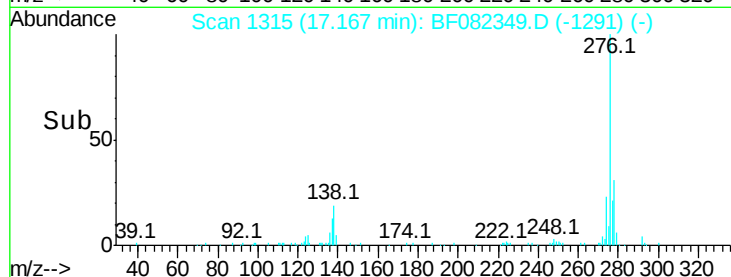
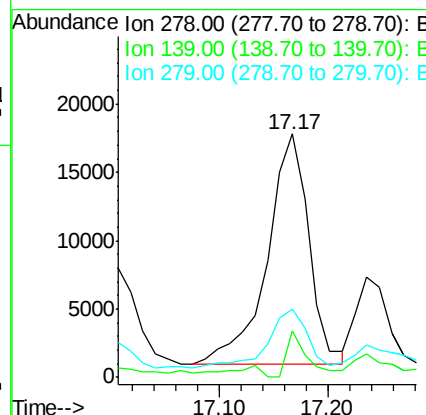
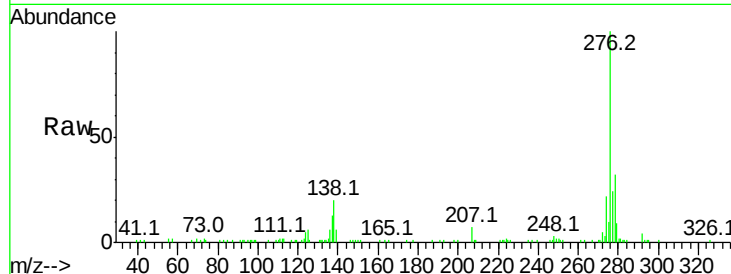
#90
Dibenzo(a,h)anthracene
Concen: 5.05 ng
RT: 17.17 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Instrument :
BNA_F
ClientSampleId :
CS-13DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.1	13.3	19.9
279	28.1	18.9	28.3

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 12.10 ng
RT: 17.61 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF082349.D
Acq: 17 Oct 2015 3:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	21.3	17.4	26.2

