

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
 Data File : BF079490.D
 Acq On : 26 May 2015 22:21
 Operator : TP/IZ
 Sample : G2289-09DL 25X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-29SDL

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Quant Time: May 27 12:54:28 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 19:25:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	201023	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	869301	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	451872	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	858272	20.00	ng	0.01
75) Chrysene-d12	15.89	240	811989	20.00	ng	0.01
86) Perylene-d12	17.60	264	899549	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	39749m	3.43	ng	0.01
7) Phenol-d6	6.62	99	54326m	3.68	ng	0.00
23) Nitrobenzene-d5	7.71	82	32661	2.17	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	14065	2.83	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	77979	2.46	ng	0.00
78) Terphenyl-d14	14.59	244	94206	2.72	ng	0.00

Target Compounds						Qvalue
31) Naphthalene	8.62	128	156752	3.76	ng	98
48) Acenaphthylene	10.58	152	118131	2.55	ng	100
51) Acenaphthene	10.80	154	97286	3.68	ng	98
54) Dibenzofuran	11.02	168	115360	2.96	ng	98
57) Fluorene	11.44	166	130307	4.05	ng	100
70) Phenanthrene	12.63	178	1559030	33.11	ng	97
71) Anthracene	12.70	178	519959	10.88	ng	99
72) Carbazole	12.90	167	172559	3.75	ng	99
74) Fluoranthene	14.11	202	2410034	47.73	ng	98
77) Pyrene	14.39	202	2166466	43.07	ng	96
80) Benzo(a)anthracene	15.87	228	1280768	27.42	ng	97
82) Chrysene	15.92	228	941062m	21.20	ng	
85) Indeno(1,2,3-cd)pyrene	18.93	276	676721	11.85	ng	96
87) Benzo(b)fluoranthene	17.17	252	1514883m	29.53	ng	
88) Benzo(k)fluoranthene	17.19	252	307261m	6.70	ng	
89) Benzo(a)pyrene	17.54	252	1033728	21.99	ng	# 95
90) Dibenzo(a,h)anthracene	18.94	278	184821	2.49	ng	92
91) Benzo(g,h,i)perylene	19.31	276	670902	12.87	ng	97

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

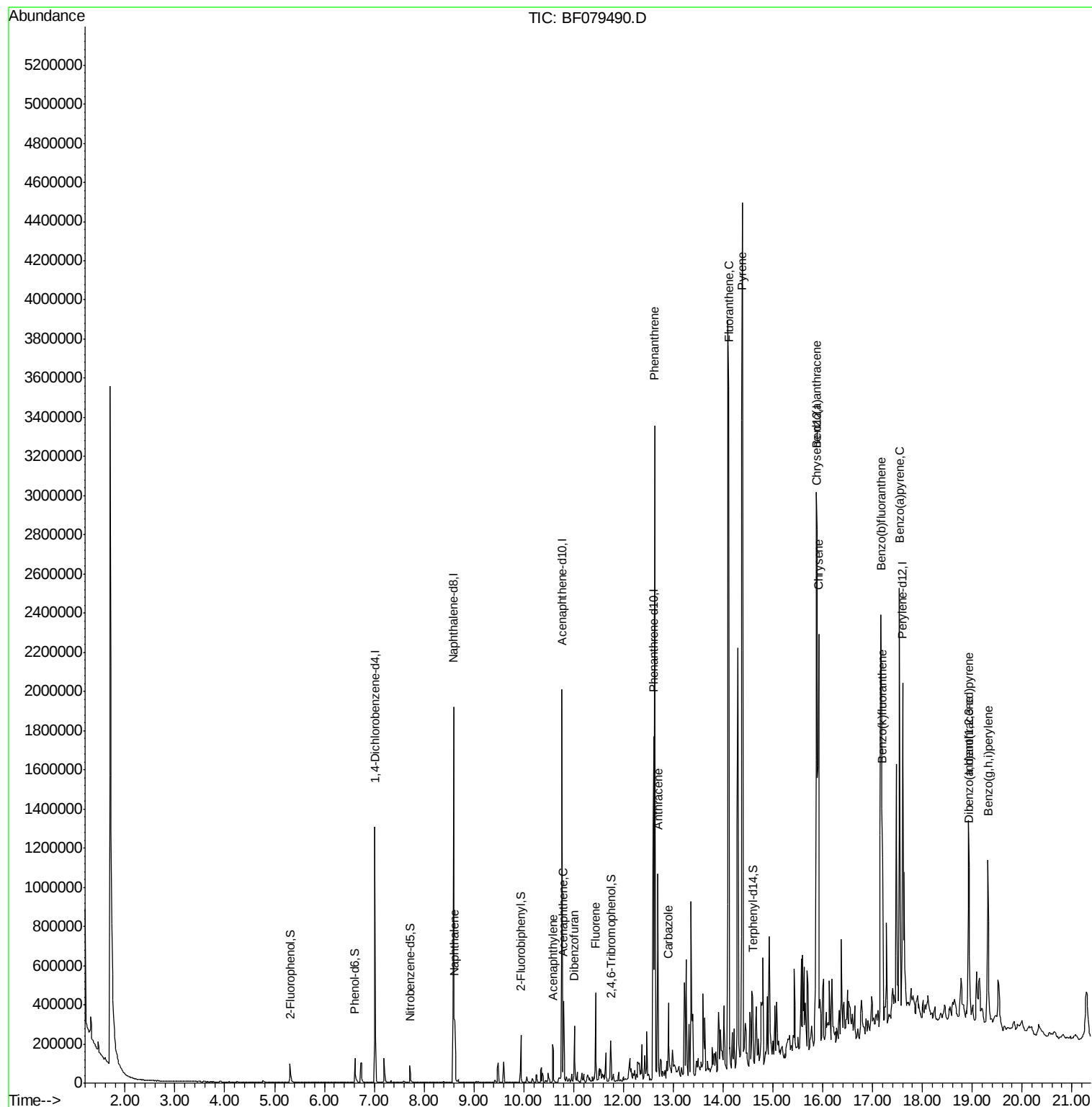
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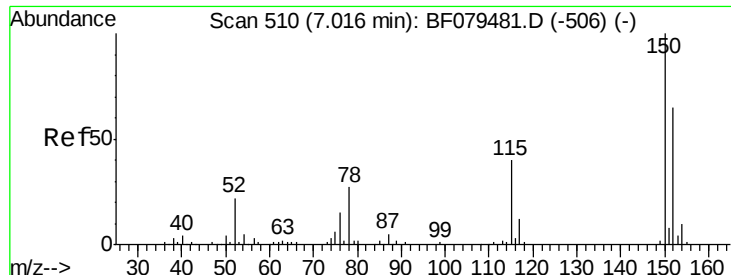
Instrument :
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Quant Time: May 27 12:54:28 2015
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#1

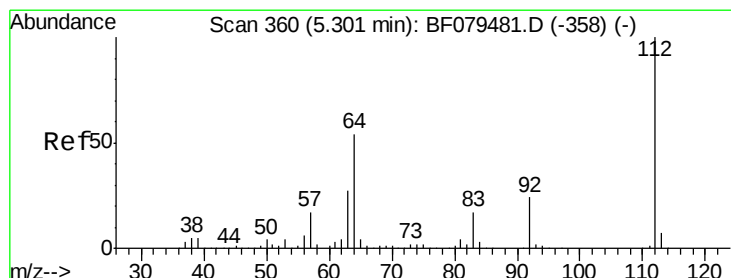
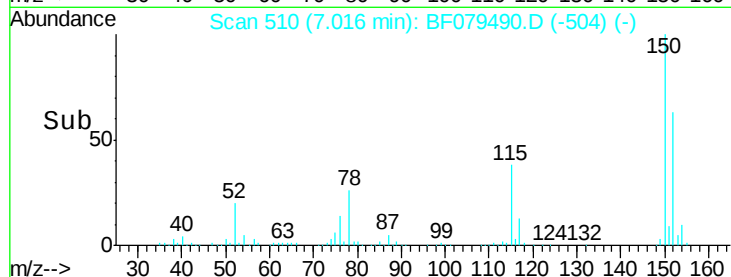
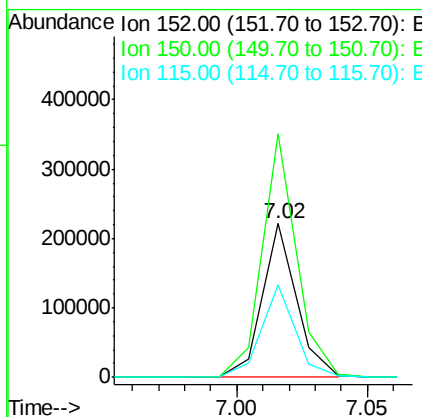
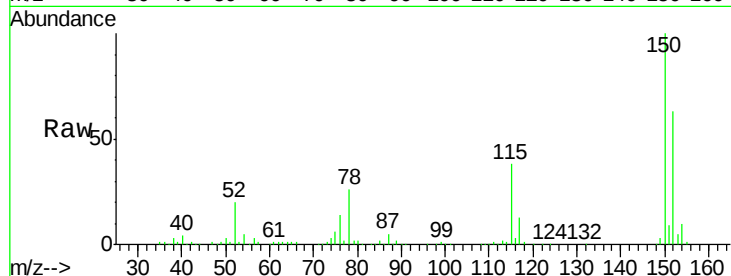
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Instrument :
BNA_F
ClientSampleId :
SB-29SDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.0	186.0
115	60.4	49.6	74.4

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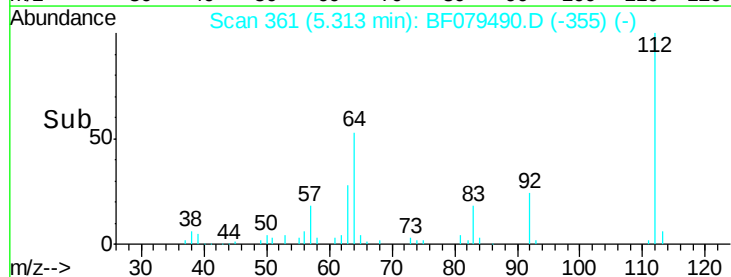
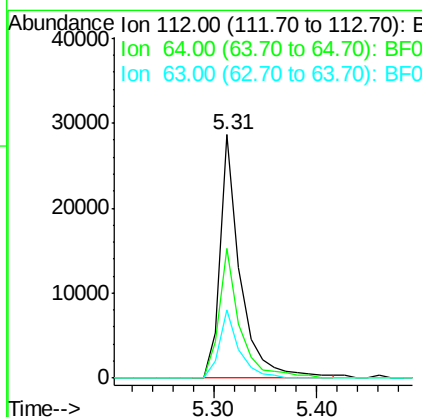
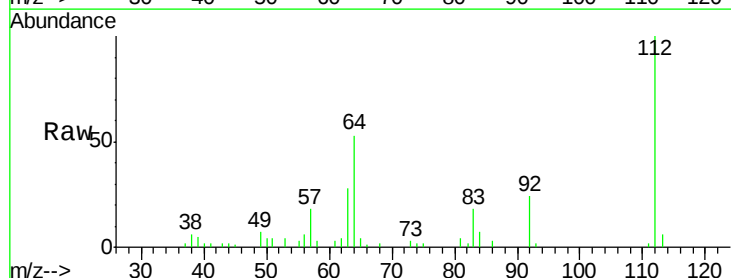
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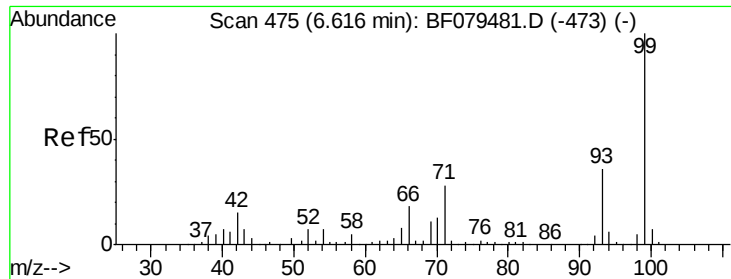


#5

2-Fluorophenol
Concen: 3.43 ng m
RT: 5.31 min Scan# 361
Delta R.T. 0.01 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	43.5	65.3
63	28.2	21.8	32.8





#7

Phenol-d6

Concen: 3.68 ng/mL

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Instrument :

BNA_F

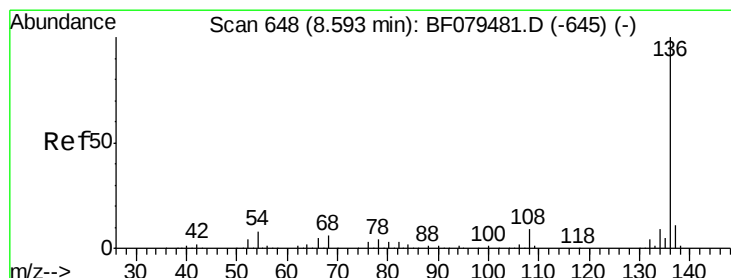
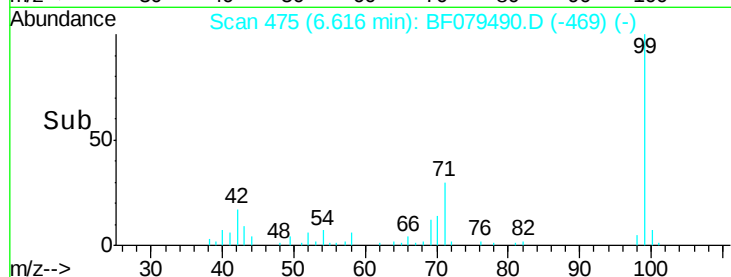
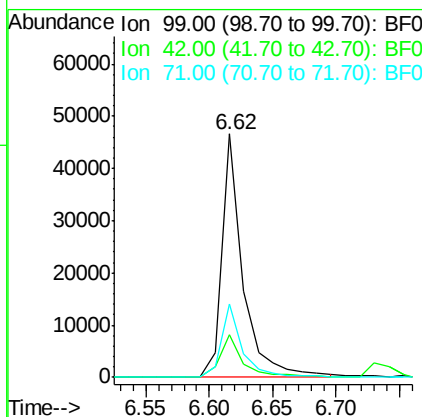
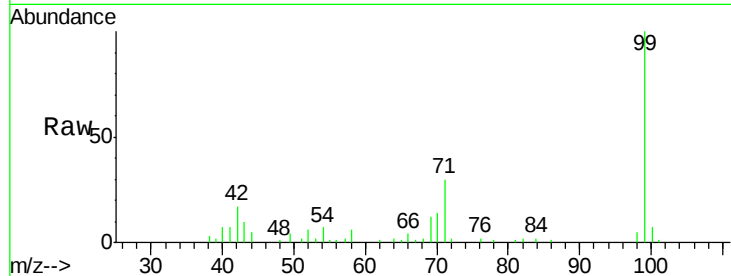
ClientSampleId :

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Tot Ion:	99	Resp:	54326
Ion Ratio	Lower	Upper	
99	100		
42	17.5	11.9	17.9
71	30.2	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

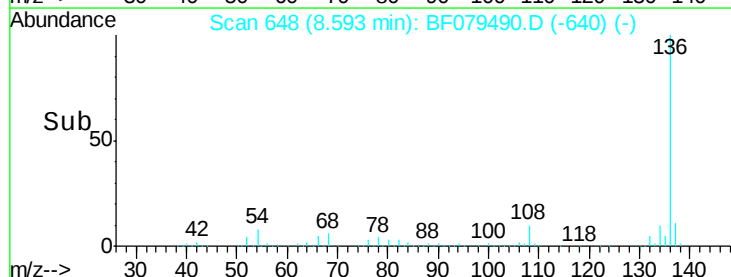
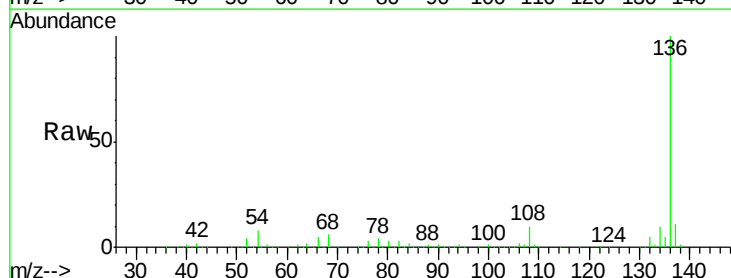
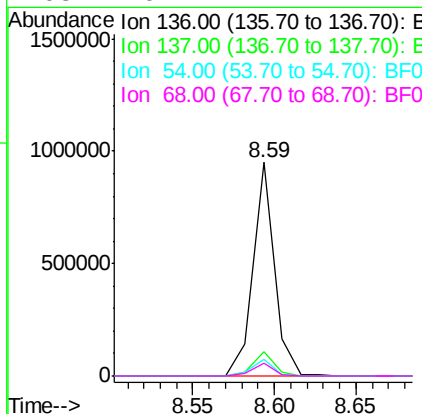
RT: 8.59 min Scan# 648

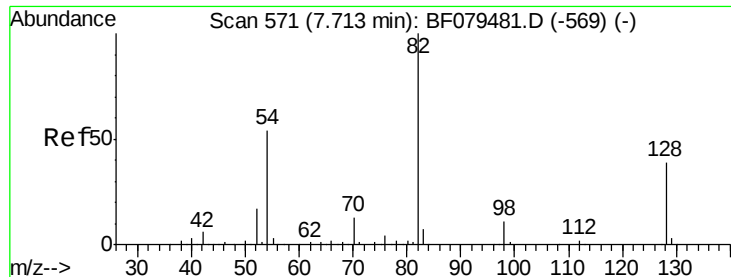
Delta R.T. 0.00 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Tgt Ion:	136	Resp:	869301
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.5	12.7
54	8.0	6.6	9.8
68	6.2	4.7	7.1





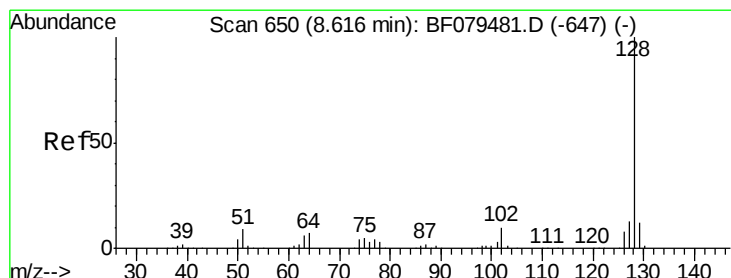
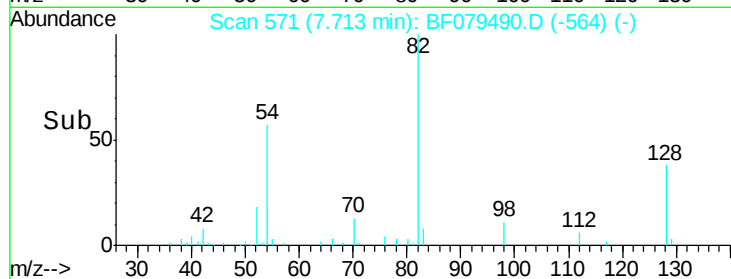
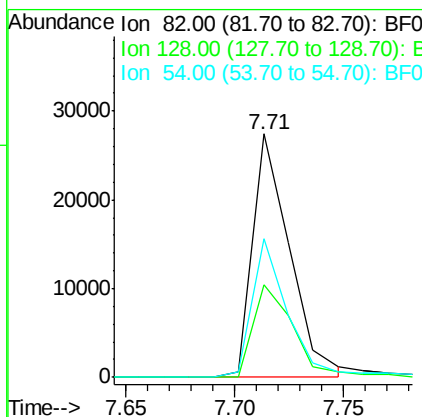
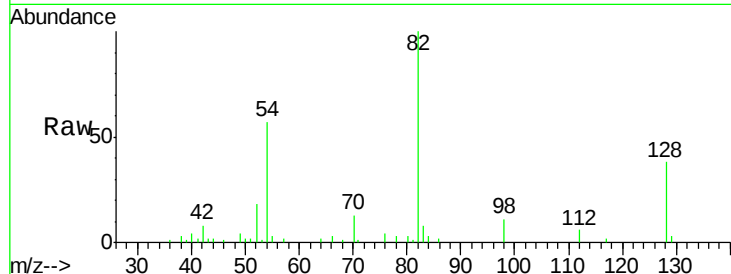
#23
 Nitrobenzene-d5
 Concen: 2.17 ng
 RT: 7.71 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF079490.D
 Acq: 26 May 2015 22:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-29SDL

Tot Ion:	82	Resp:	32661
Ion Ratio	Lower	Upper	
82	100		
128	38.0	30.8	46.2
54	56.8	42.8	64.2

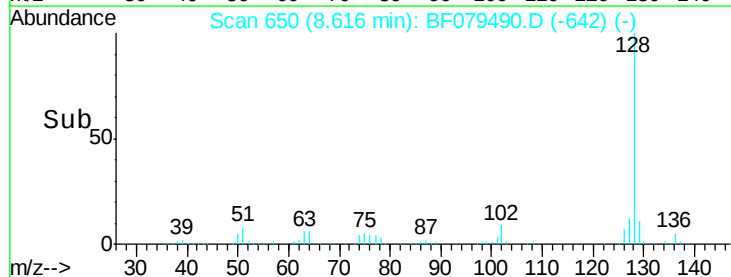
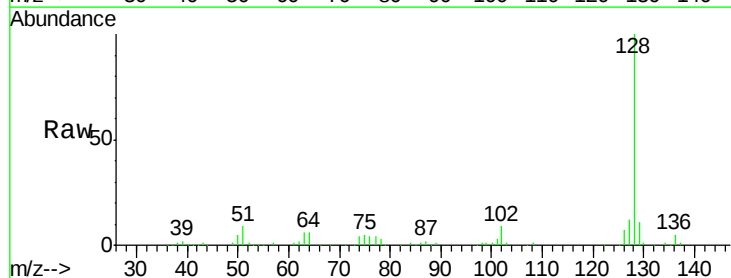
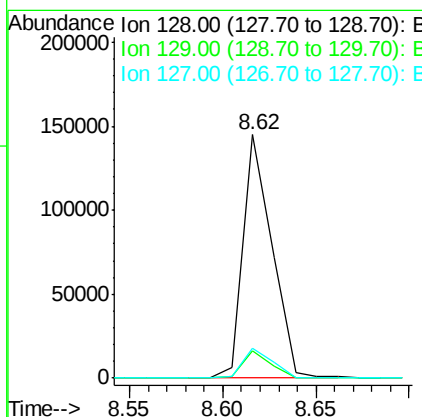
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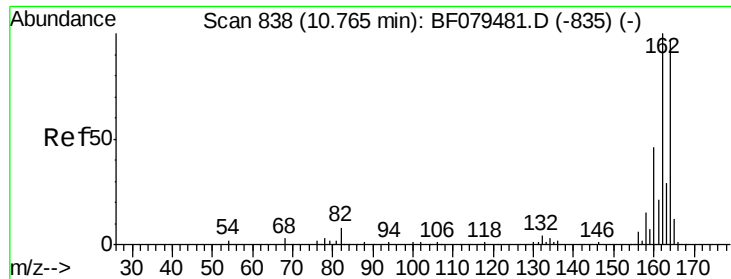
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#31
 Naphthalene
 Concen: 3.76 ng
 RT: 8.62 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: BF079490.D
 Acq: 26 May 2015 22:21

Tgt Ion:	128	Resp:	156752
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.3	13.9
127	12.5	10.6	15.8





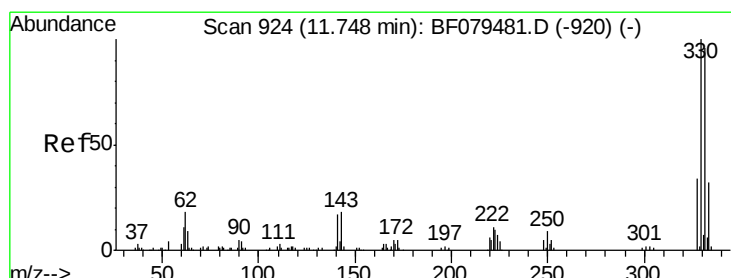
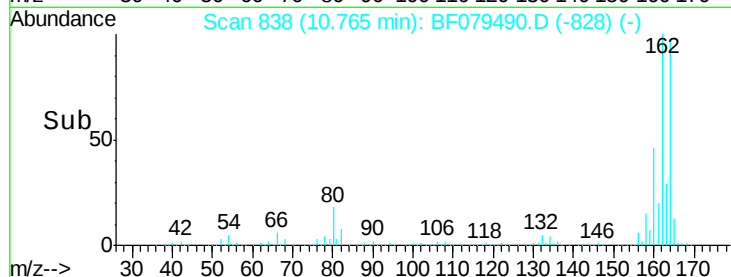
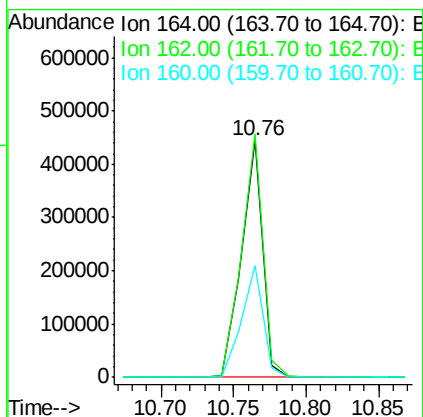
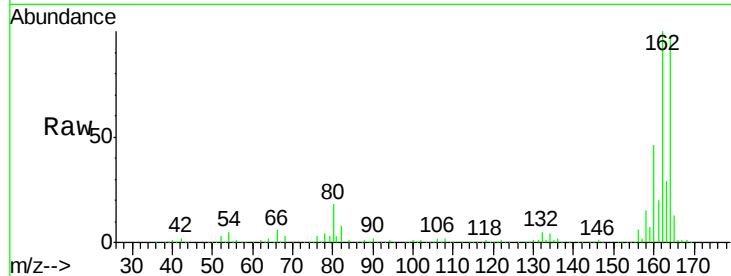
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.76 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.9	82.6	124.0	
160	47.0	37.7	56.5	

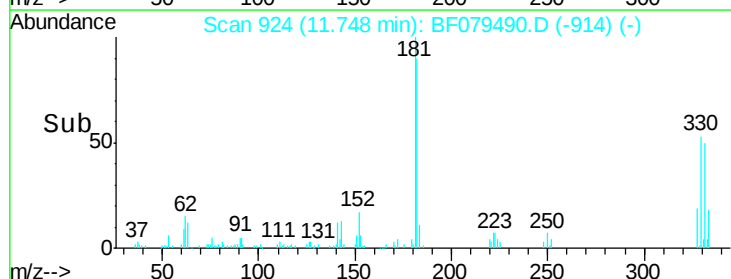
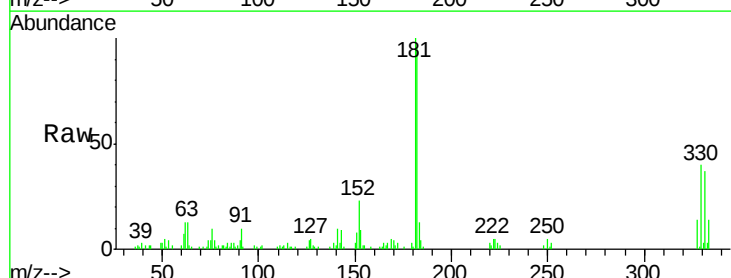
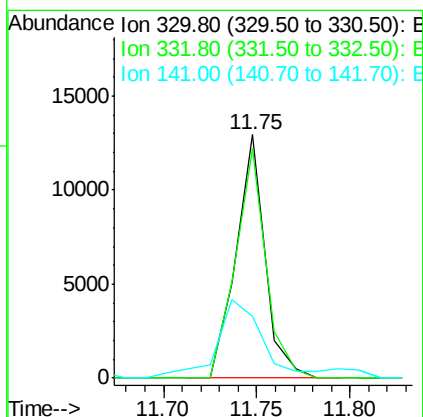
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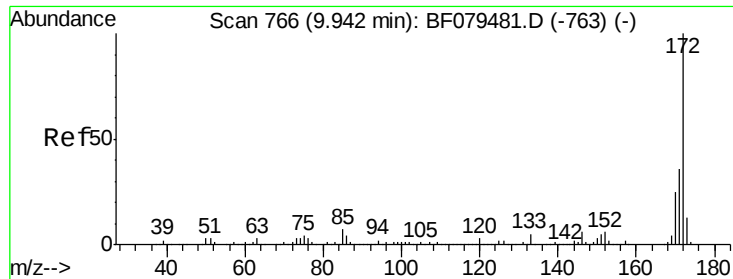
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#41
2,4,6-Tribromophenol
Concen: 2.83 ng
RT: 11.75 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.7	0.0	0.0#	
141	50.8	0.0	0.0#	





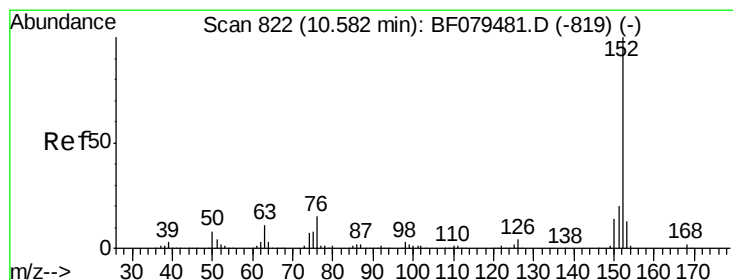
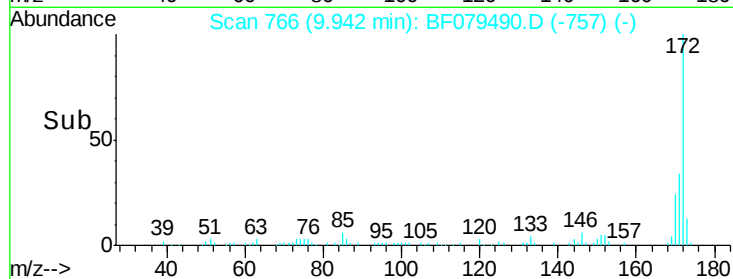
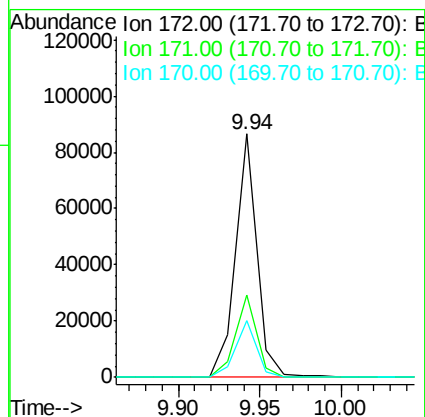
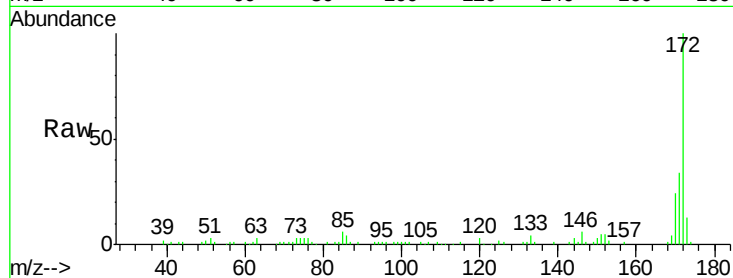
#44
2-Fluorobiphenyl
Concen: 2.46 ng
RT: 9.94 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	77979		
171	34.0		28.5	42.7
170	23.6		19.7	29.5

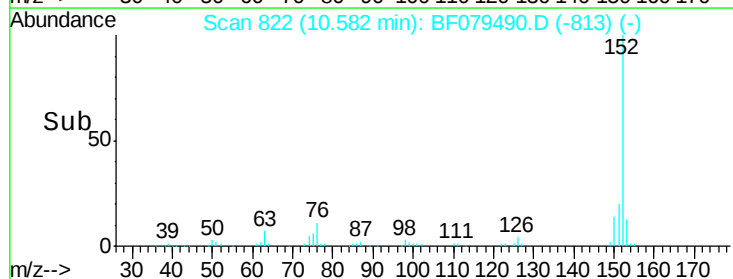
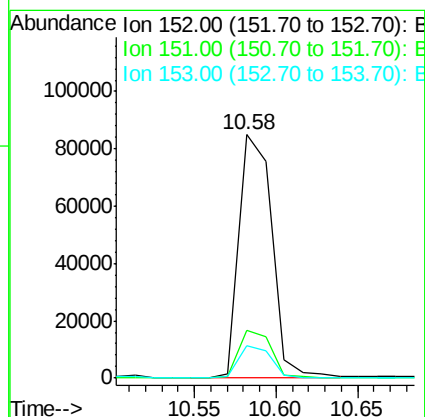
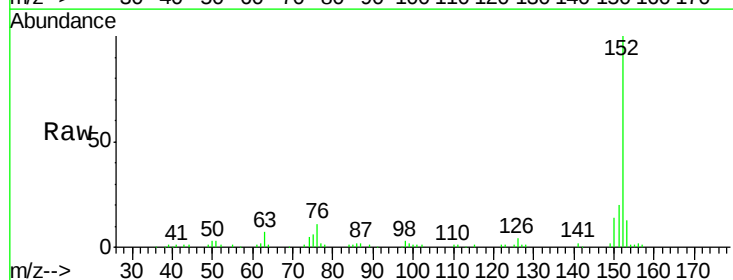
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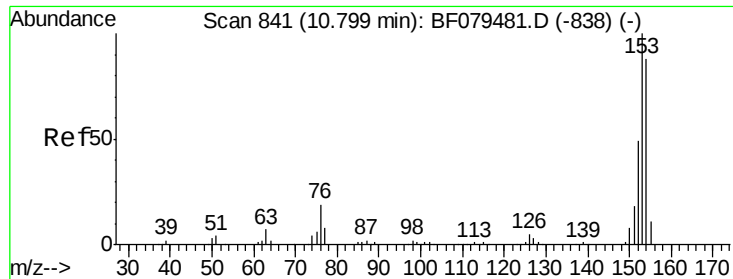
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#48
Acenaphthylene
Concen: 2.55 ng
RT: 10.58 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	118131		
151	19.7		15.8	23.8
153	13.1		10.7	16.1





#51

Acenaphthene

Concen: 3.68 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Instrument :

BNA_F

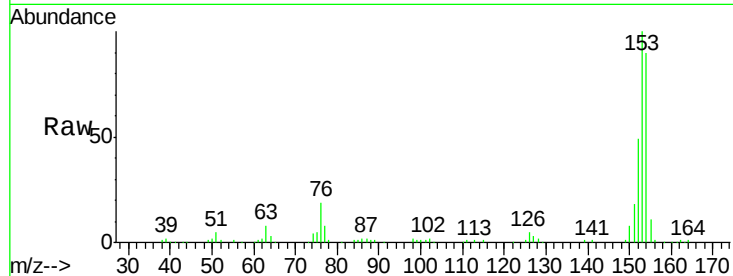
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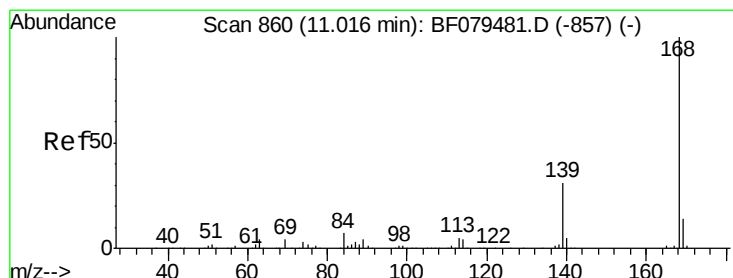
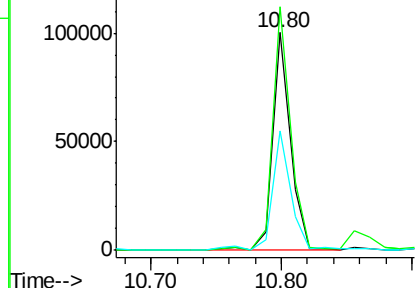
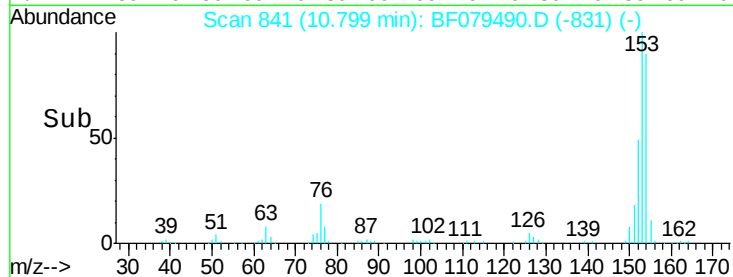
Tot Ion:	154	Resp:	97286
Ion Ratio	Lower	Upper	
154	100		
153	111.7	91.1	136.7
152	54.9	44.6	66.8

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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: 2.96 ng

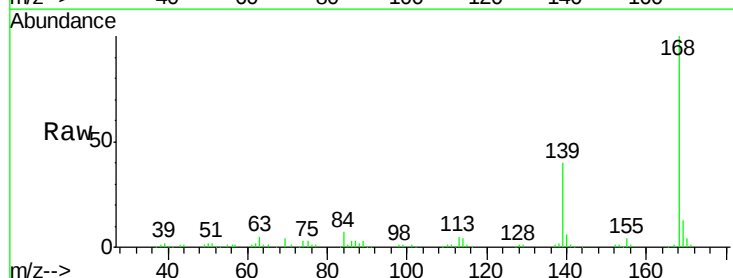
RT: 11.02 min Scan# 860

Delta R.T. 0.00 min

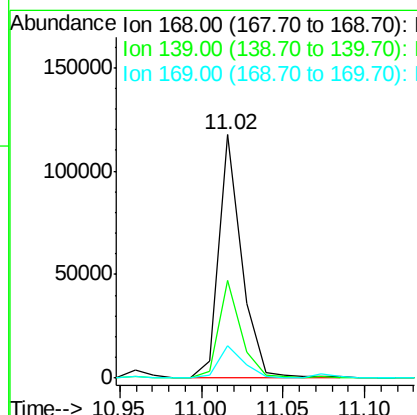
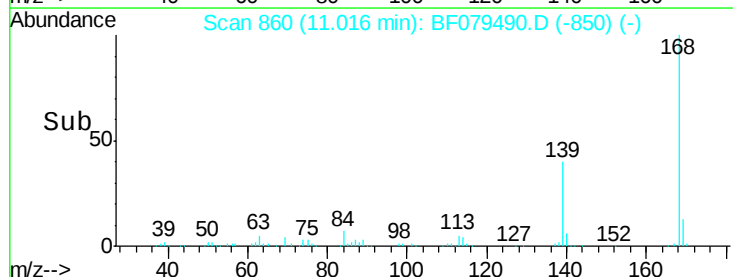
Lab File: BF079490.D

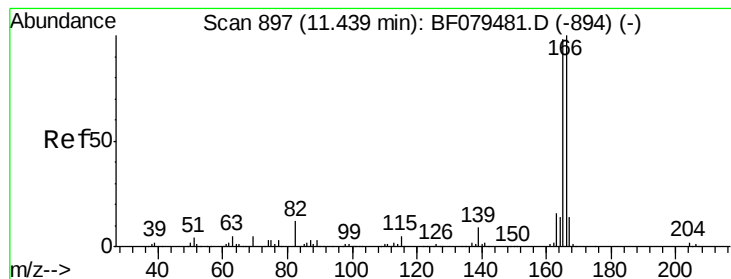
Acq: 26 May 2015 22:21

Tgt Ion:	168	Resp:	115360
Ion Ratio	Lower	Upper	
168	100		
139	40.0	32.9	49.3
169	13.5	11.1	16.7



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: 4.05 ng

RT: 11.44 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Instrument :

BNA_F

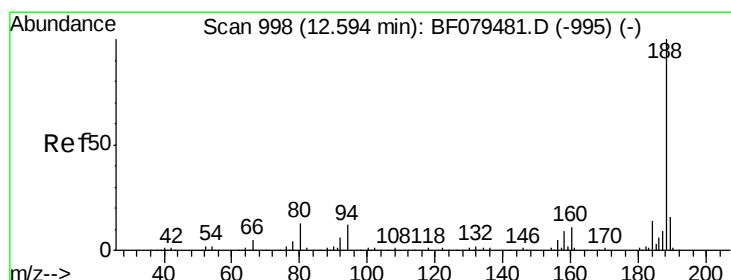
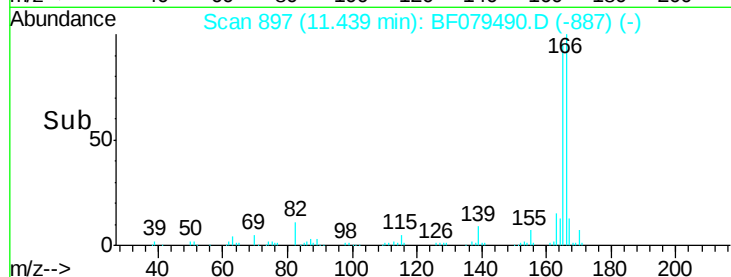
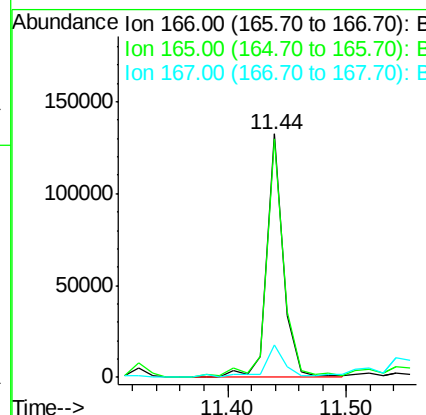
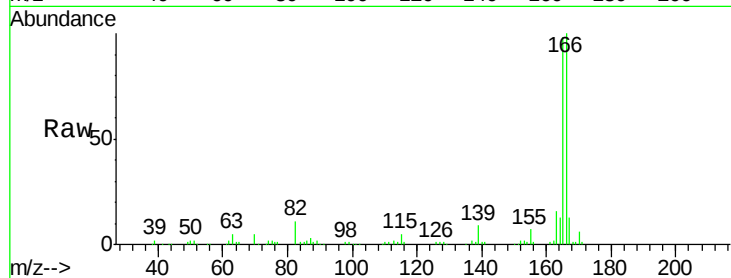
ClientSampleId :

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Tot Ion:	166	Resp:	130307
Ion Ratio	Lower	Upper	
166	100		
165	98.0	78.6	117.8
167	13.3	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

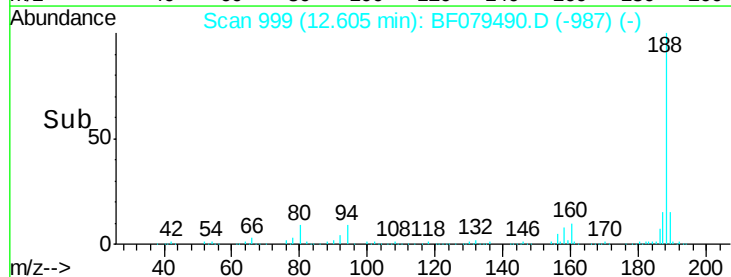
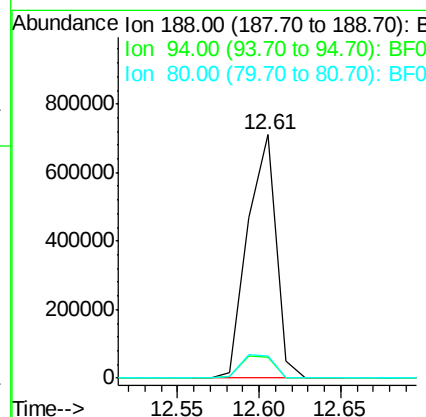
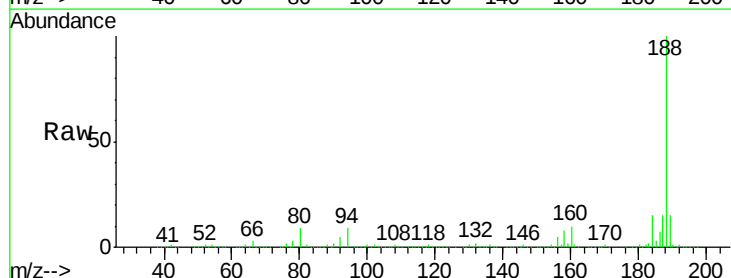
RT: 12.61 min Scan# 999

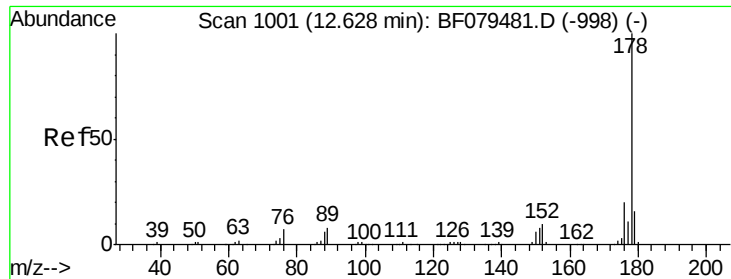
Delta R.T. 0.01 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Tgt Ion:	188	Resp:	858272
Ion Ratio	Lower	Upper	
188	100		
94	8.7	9.8	14.6#
80	9.0	10.5	15.7#





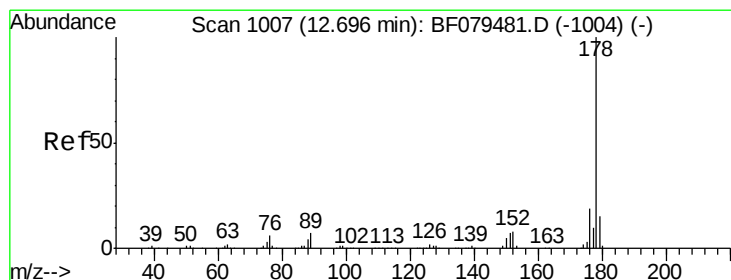
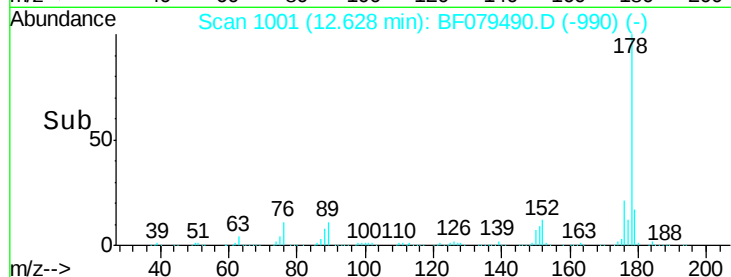
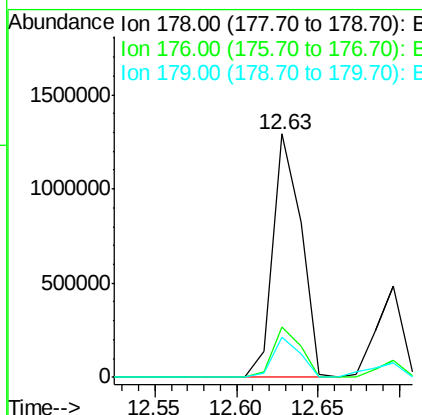
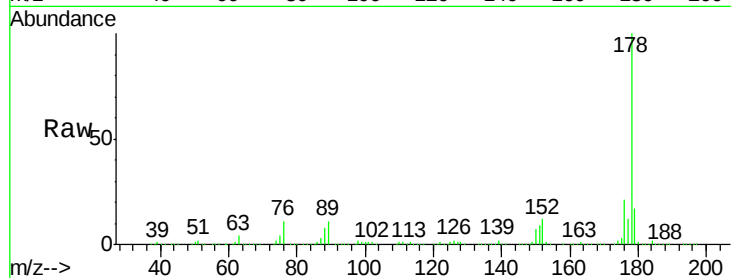
#70
Phenanthrene
Concen: 33.11 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Instrument :
BNA_F
ClientSampleId :
SB-29SDL

Tot Ion:178 Resp: 1559030
Ion Ratio Lower Upper
178 100
176 20.9 15.7 23.5
179 16.6 12.4 18.6

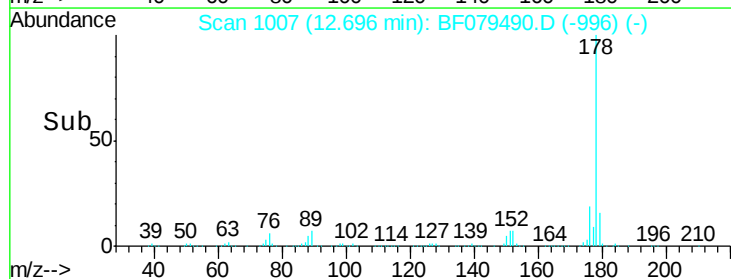
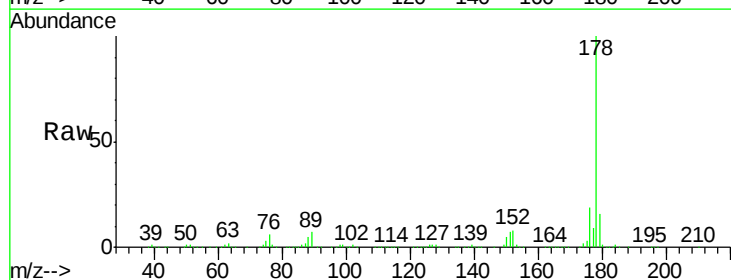
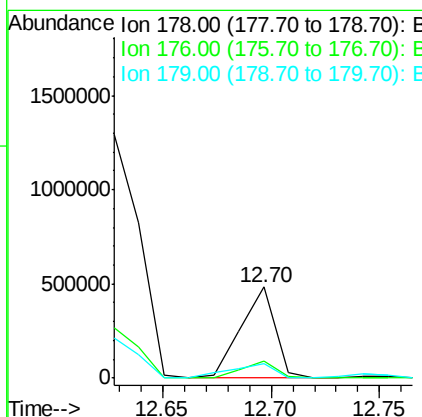
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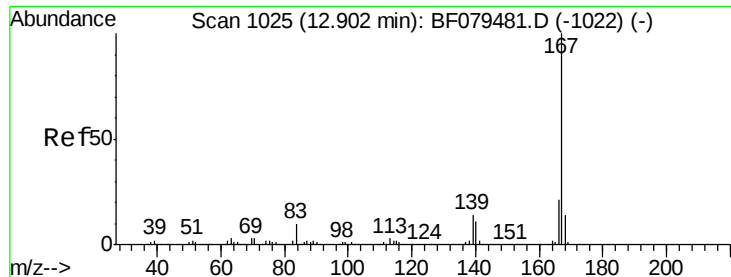
apatel
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#71
Anthracene
Concen: 10.88 ng
RT: 12.70 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Tgt Ion:178 Resp: 519959
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.6 12.2 18.4





#72

Carbazole

Concen: 3.75 ng

RT: 12.90 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Instrument :

BNA_F

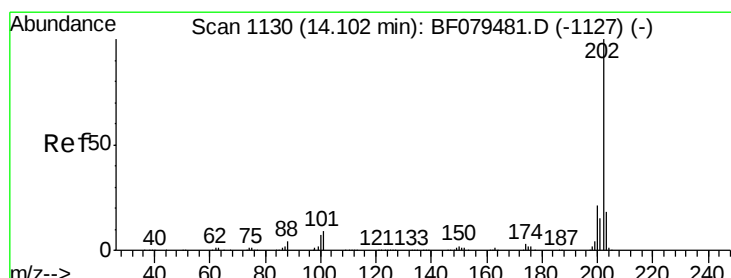
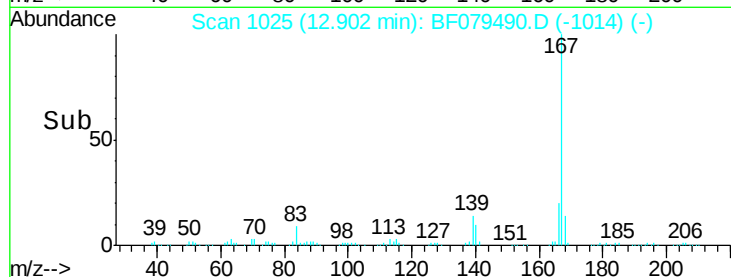
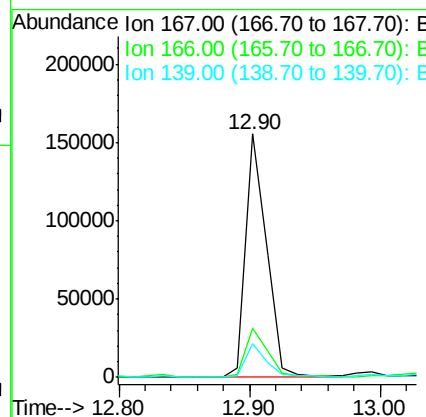
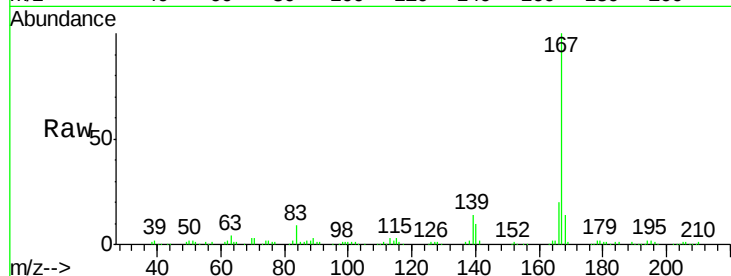
ClientSampleId :

SB-29SDL

Tot Ion:	167	Resp:	172559
Ion Ratio		Lower	Upper
167	100		
166	20.4	17.0	25.4
139	13.9	11.2	16.8

Manual Integrations
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#74

Fluoranthene

Concen: 47.73 ng

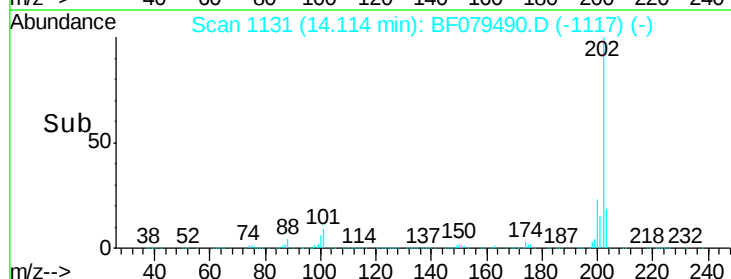
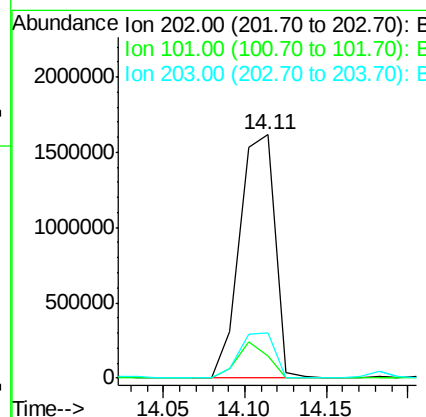
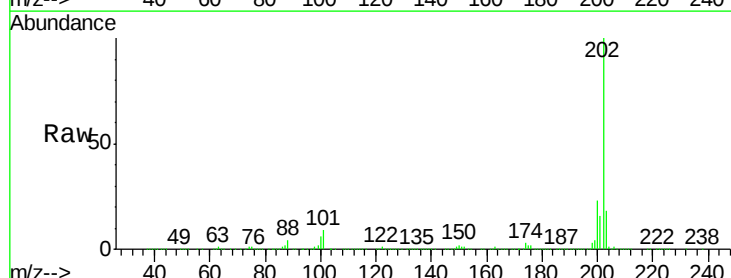
RT: 14.11 min Scan# 1131

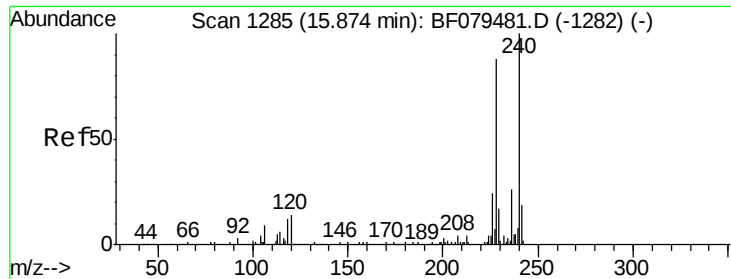
Delta R.T. 0.01 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Tgt Ion:	202	Resp:	2410034
Ion Ratio		Lower	Upper
202	100		
101	9.0	0.0	29.3
203	18.4	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.89 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Instrument :

BNA_F

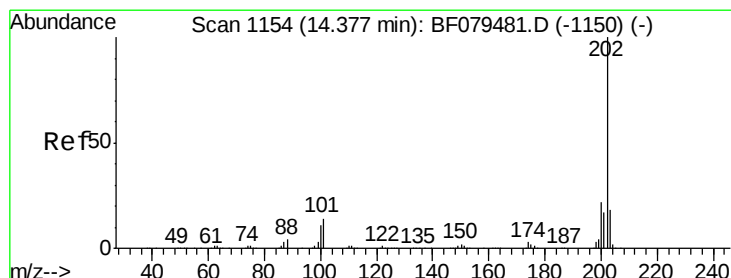
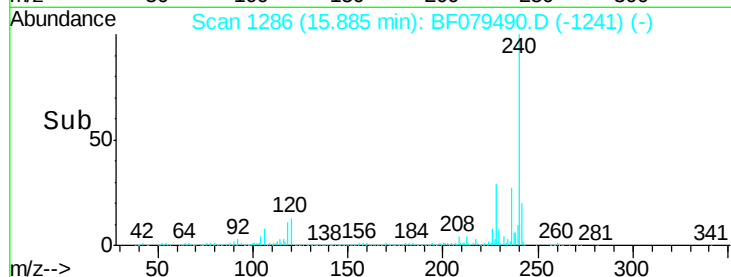
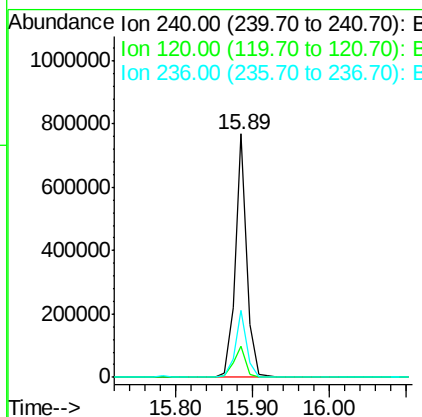
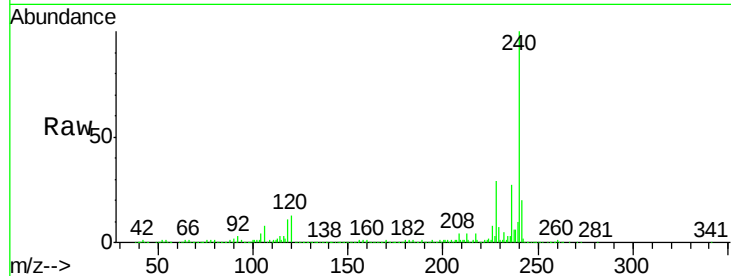
ClientSampled :

SB-29SDL

Tot Ion:	240	Resp:	811989
Ion Ratio	Lower	Upper	
240	100		
120	13.0	10.8	16.2
236	27.3	21.0	31.6

Manual Integrations
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#77

Pyrene

Concen: 43.07 ng

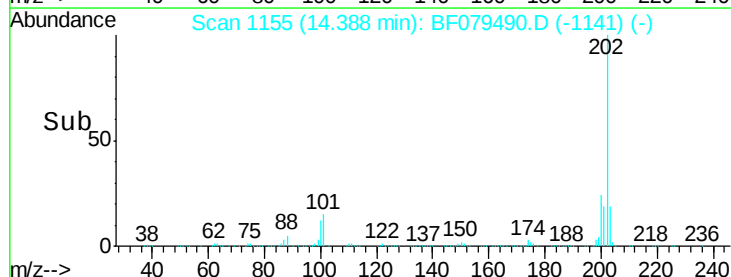
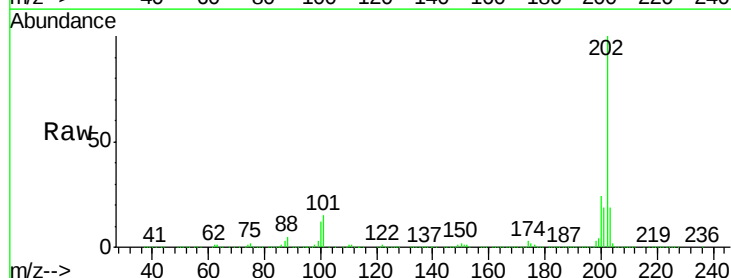
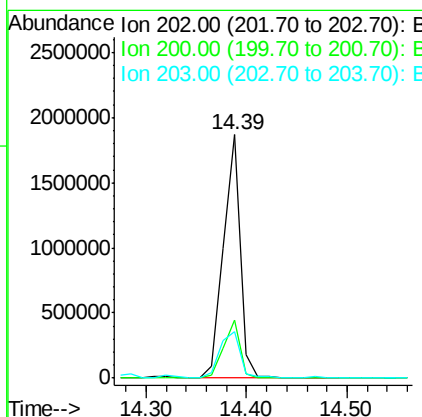
RT: 14.39 min Scan# 1155

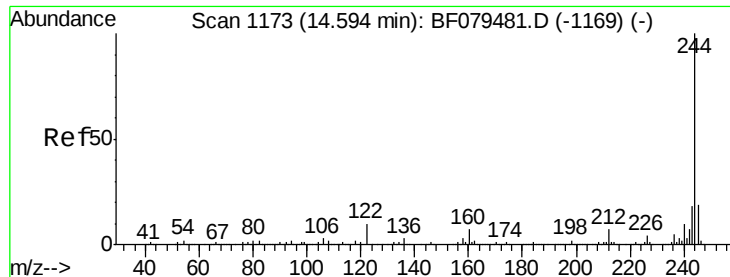
Delta R.T. 0.01 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Tgt Ion:	202	Resp:	2166466
Ion Ratio	Lower	Upper	
202	100		
200	23.7	17.5	26.3
203	19.4	14.4	21.6





#78

Terphenyl-d14

Concen: 2.72 ng

RT: 14.59 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Instrument :

BNA_F

ClientSampleId :

SB-29SDL

Tot Ion:244 Resp: 94206

Ion Ratio Lower Upper

244 100

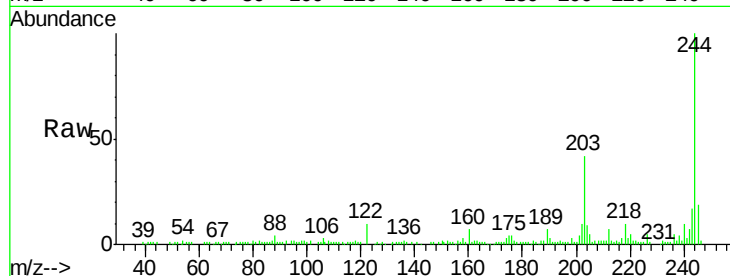
212 6.7 5.2 7.8

122 9.9 8.0 12.0

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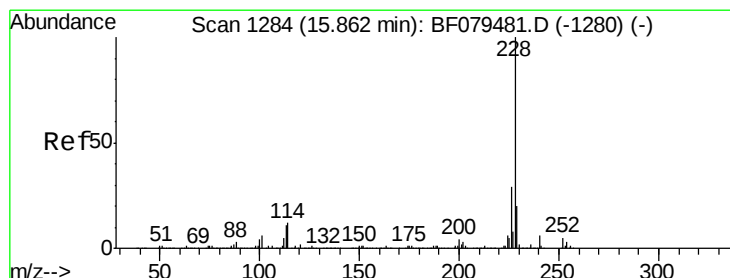
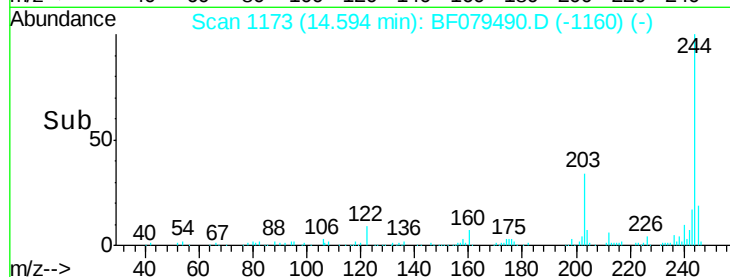
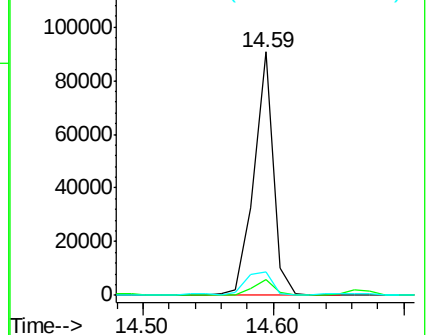
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 27.42 ng

RT: 15.87 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

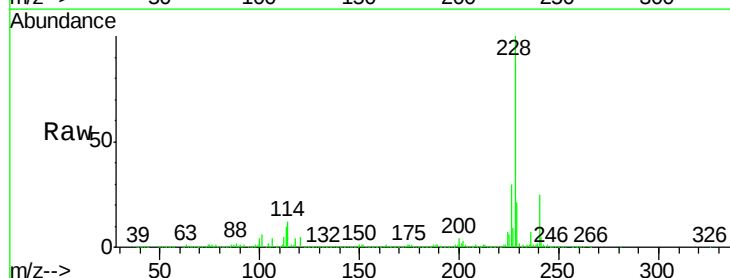
Tgt Ion:228 Resp: 1280768

Ion Ratio Lower Upper

228 100

226 30.2 22.8 34.2

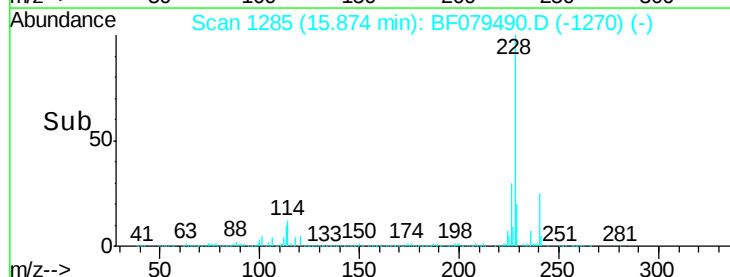
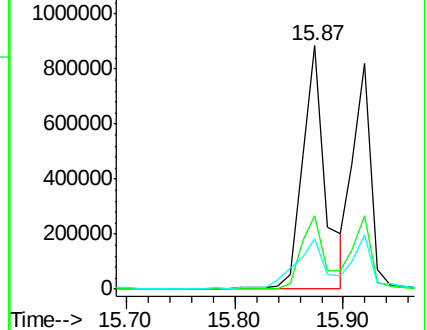
229 20.8 15.9 23.9

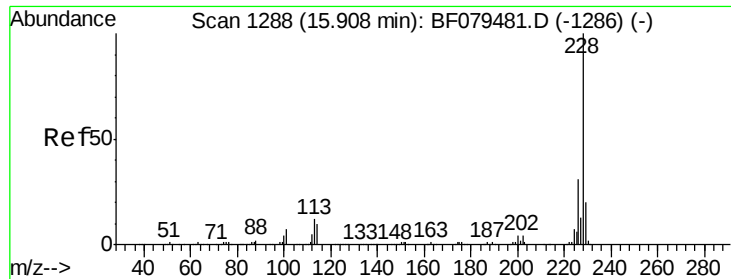


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 21.20 ng/mL

RT: 15.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Instrument :

BNA_F

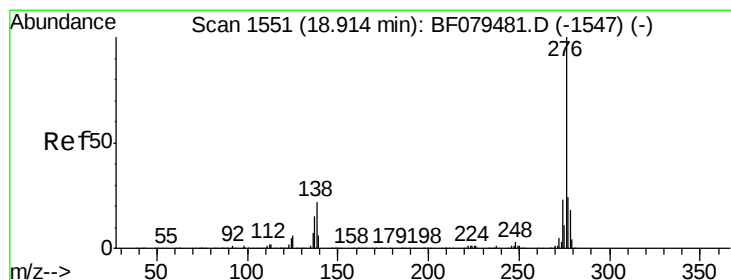
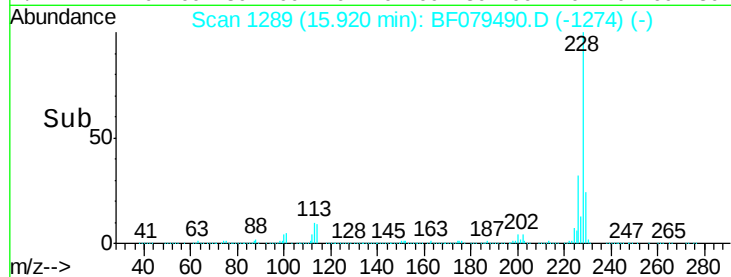
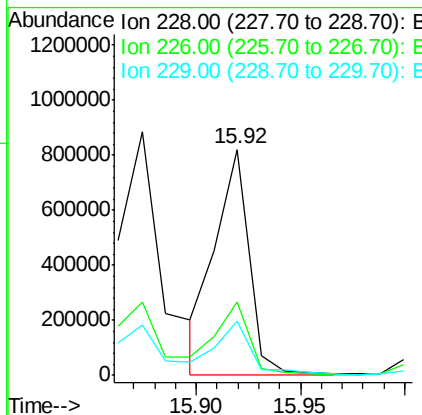
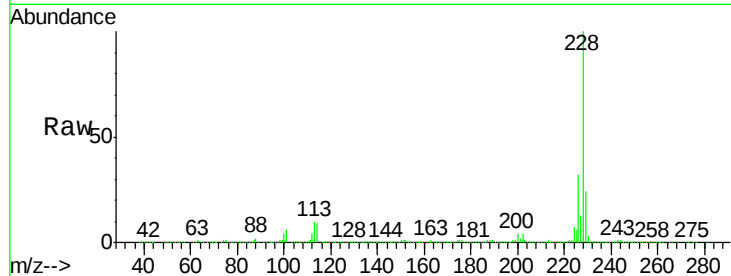
ClientSampled :

SB-29SDL

Tot Ion:	228	Resp:	941062
Ion Ratio	Lower	Upper	
228	100		
226	32.2	25.0	37.4
229	23.9	15.9	23.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.85 ng/mL

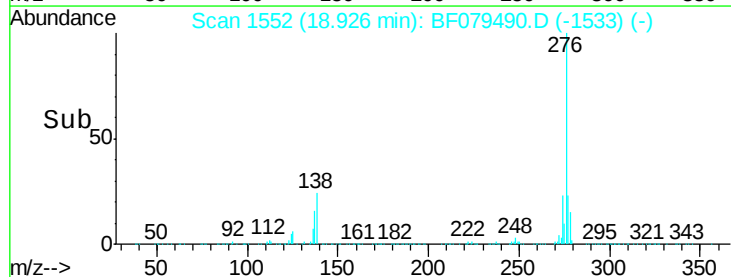
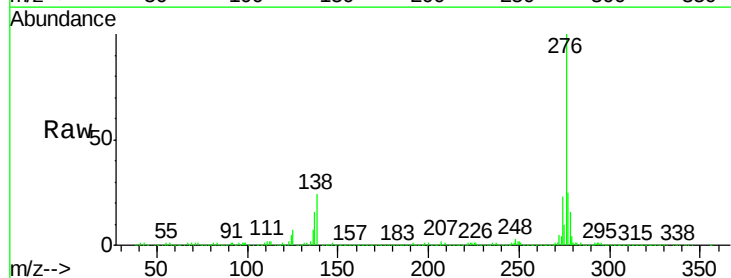
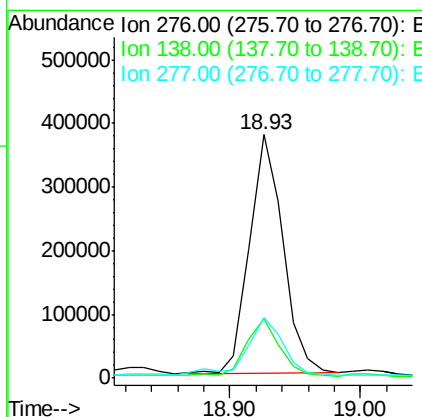
RT: 18.93 min Scan# 1552

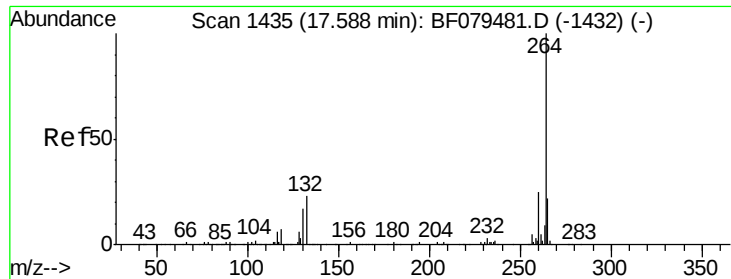
Delta R.T. 0.01 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Tgt Ion:	276	Resp:	676721
Ion Ratio	Lower	Upper	
276	100		
138	25.2	21.4	32.2
277	27.7	19.8	29.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 17.60 min Scan# 1436

Delta R.T. 0.01 min

Lab File: BF079490.D

Acq: 26 May 2015 22:21

Instrument :

BNA_F

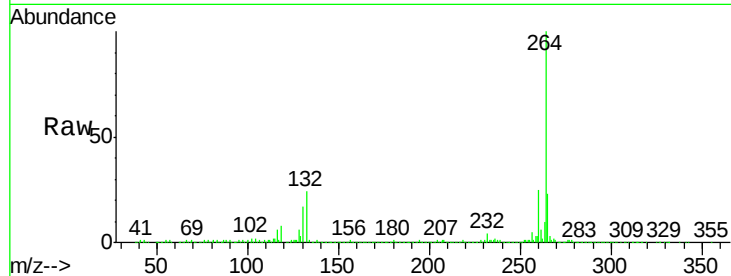
ClientSampleId :

SB-29SDL

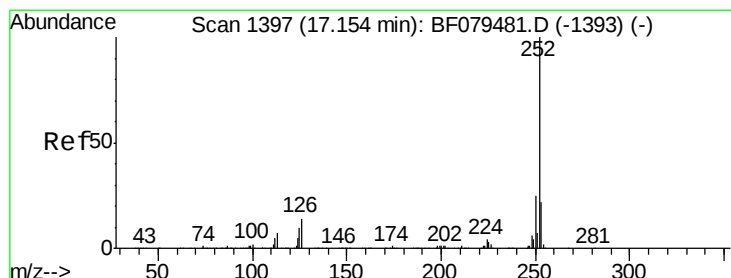
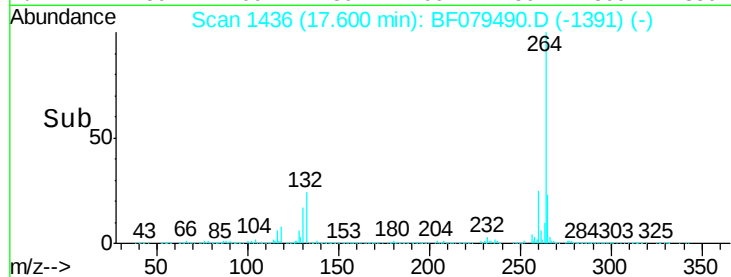
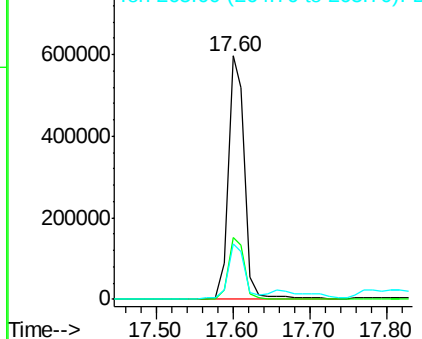
Tot Ion:	264	Resp:	899549
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.8	29.8
265	22.9	17.8	26.6

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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: 29.53 ng m

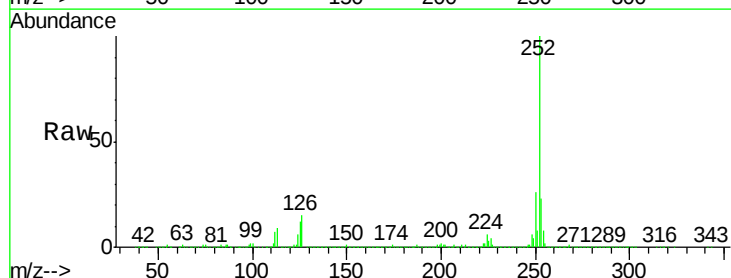
RT: 17.17 min Scan# 1398

Delta R.T. 0.01 min

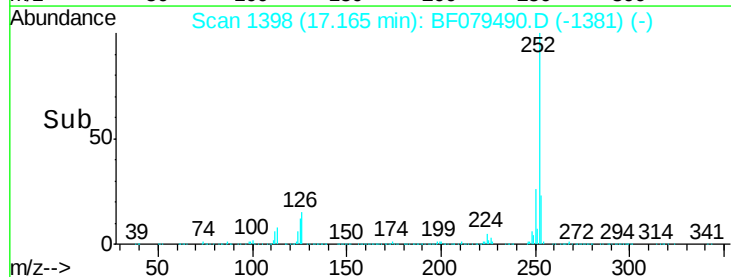
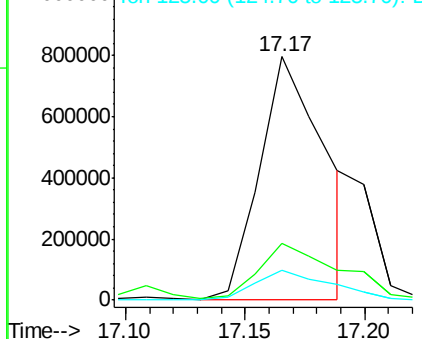
Lab File: BF079490.D

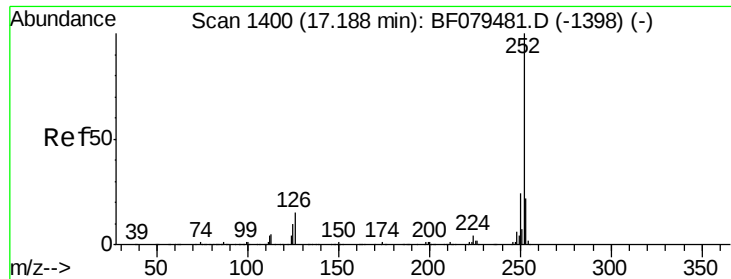
Acq: 26 May 2015 22:21

Tgt Ion:	252	Resp:	1514883
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.6	26.4
125	12.3	7.8	11.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





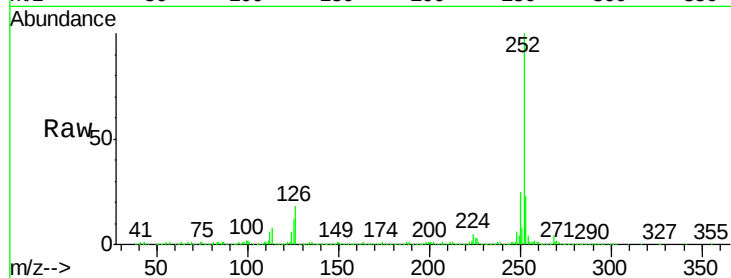
#88
Benzo(k)fluoranthene
Concen: 6.70 ng/mL
RT: 17.19 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Instrument :
BNA_F
ClientSampleId :
SB-29SDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	12.4	6.8	10.2

Manual Integrations
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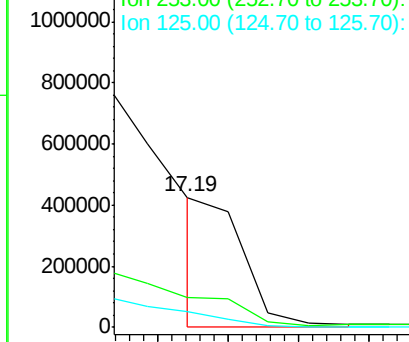


Abundance

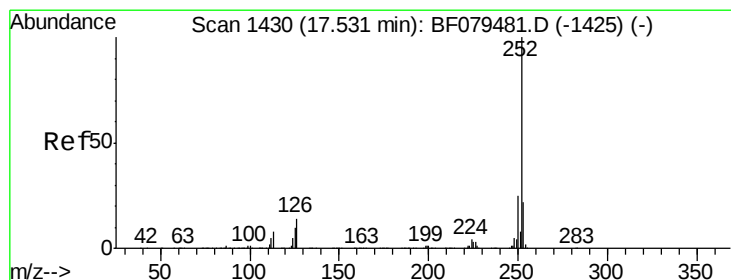
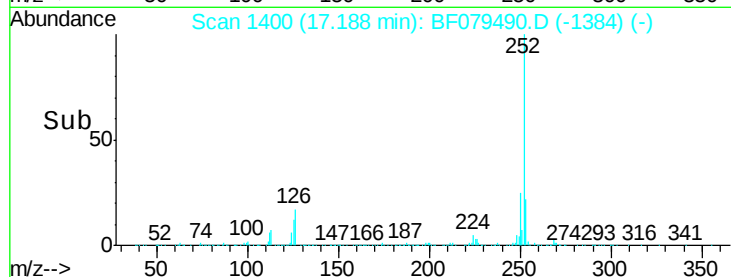
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89
Benzo(a)pyrene
Concen: 21.99 ng/mL
RT: 17.54 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

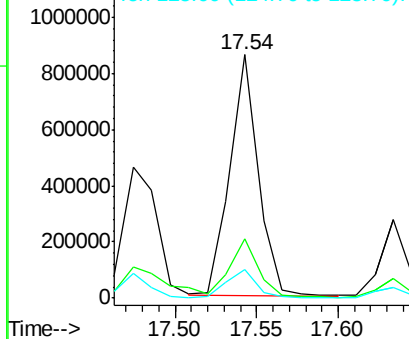
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	11.9	7.9	11.9

Abundance

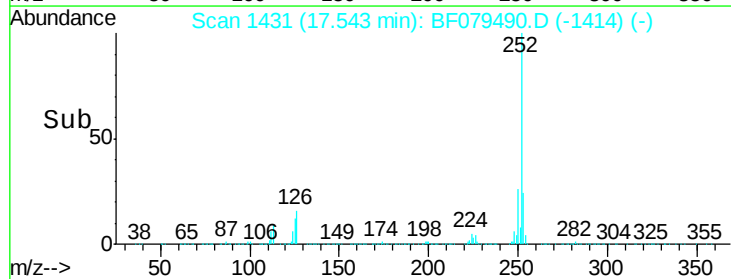
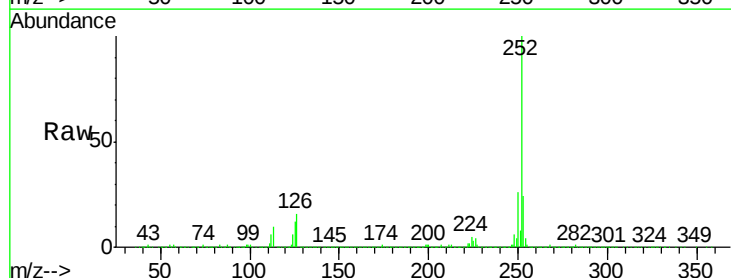
Ion 252.00 (251.70 to 252.70): E

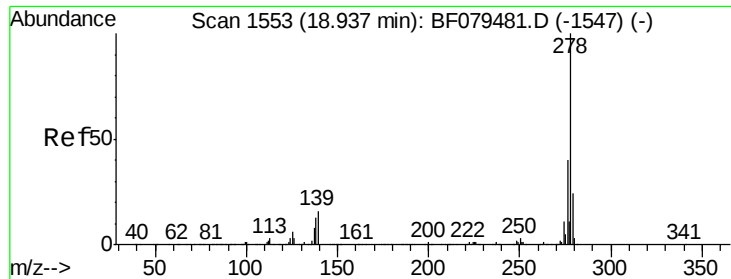
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





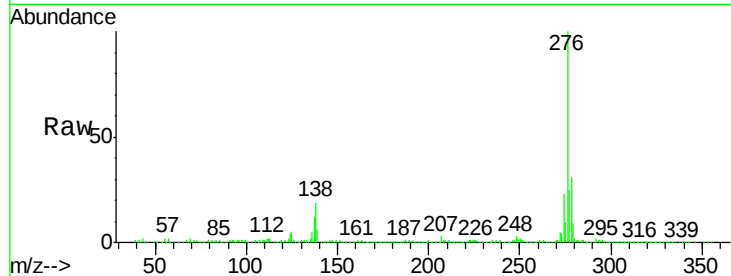
#90
Dibenzo(a,h)anthracene
Concen: 2.49 ng
RT: 18.94 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Instrument :
BNA_F
ClientSampled :
SB-29SDL

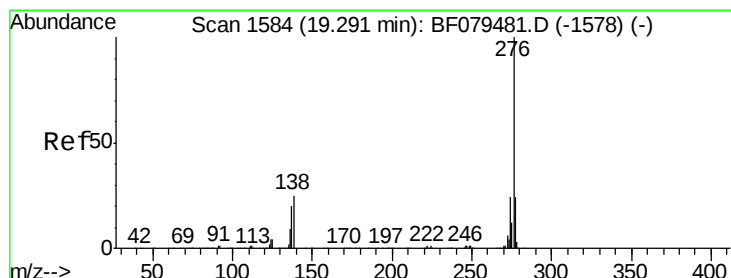
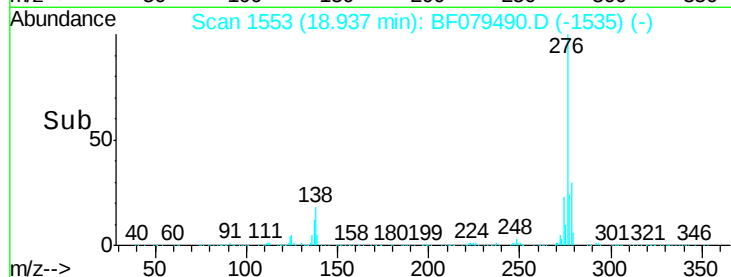
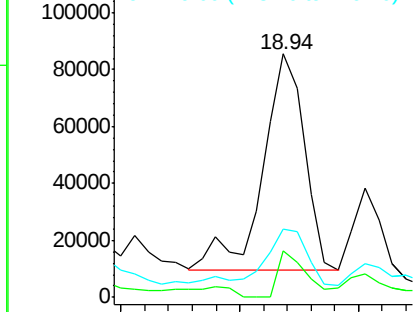
Tot Ion	Ratio	Lower	Upper
278	100		
139	19.1	12.8	19.2
279	28.1	19.1	28.7

Manual Integrations
APPROVED

apatel
5/27/2015 2:01:12 PM

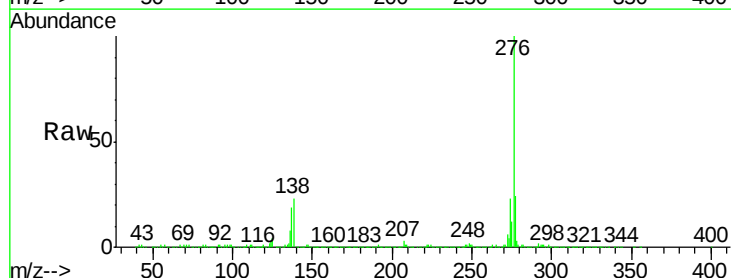


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 12.87 ng
RT: 19.31 min Scan# 1586
Delta R.T. 0.02 min
Lab File: BF079490.D
Acq: 26 May 2015 22:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	22.7	20.1	30.1



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

