

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
 Data File : BF079502.D
 Acq On : 27 May 2015 4:46
 Operator : TP/IZ
 Sample : G2371-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-023

Manual Integrations
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Quant Time: May 27 06:57:28 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 01:32:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	89082	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	361139	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	181291	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	346987	20.00	ng	0.01
75) Chrysene-d12	15.89	240	376316	20.00	ng	0.01
86) Perylene-d12	17.59	264	392914	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	555101m	108.08	ng	0.00
7) Phenol-d6	6.62	99	725746	110.86	ng	0.00
23) Nitrobenzene-d5	7.71	82	404780	64.79	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	215964	108.46	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	788215	62.03	ng	0.00
78) Terphenyl-d14	14.59	244	906908	56.56	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.63	128	101497	5.86	ng	99
49) Dimethylphthalate	10.46	163	72860	5.45	ng	99
51) Acenaphthene	10.80	154	27032	2.55	ng	98
54) Dibenzofuran	11.02	168	42763	2.73	ng	99
57) Fluorene	11.44	166	40564	3.14	ng	99
70) Phenanthrene	12.63	178	551374	28.97	ng	99
71) Anthracene	12.70	178	137128	7.10	ng	100
72) Carbazole	12.91	167	65226	3.51	ng	97
74) Fluoranthene	14.10	202	707327	34.65	ng	95
77) Pyrene	14.39	202	623800	26.76	ng	100
80) Benzo(a)anthracene	15.87	228	374822	17.31	ng	98
82) Chrysene	15.91	228	333750	16.22	ng	98
85) Indeno(1,2,3-cd)pyrene	18.90	276	217541	8.22	ng	92
87) Benzo(b)fluoranthene	17.15	252	459167m	20.49	ng	
88) Benzo(k)fluoranthene	17.18	252	184641m	9.21	ng	
89) Benzo(a)pyrene	17.52	252	350706	16.63	ng	97
91) Benzo(a,h,i)perylene	19.29	276	215387	8.54	ng	97

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

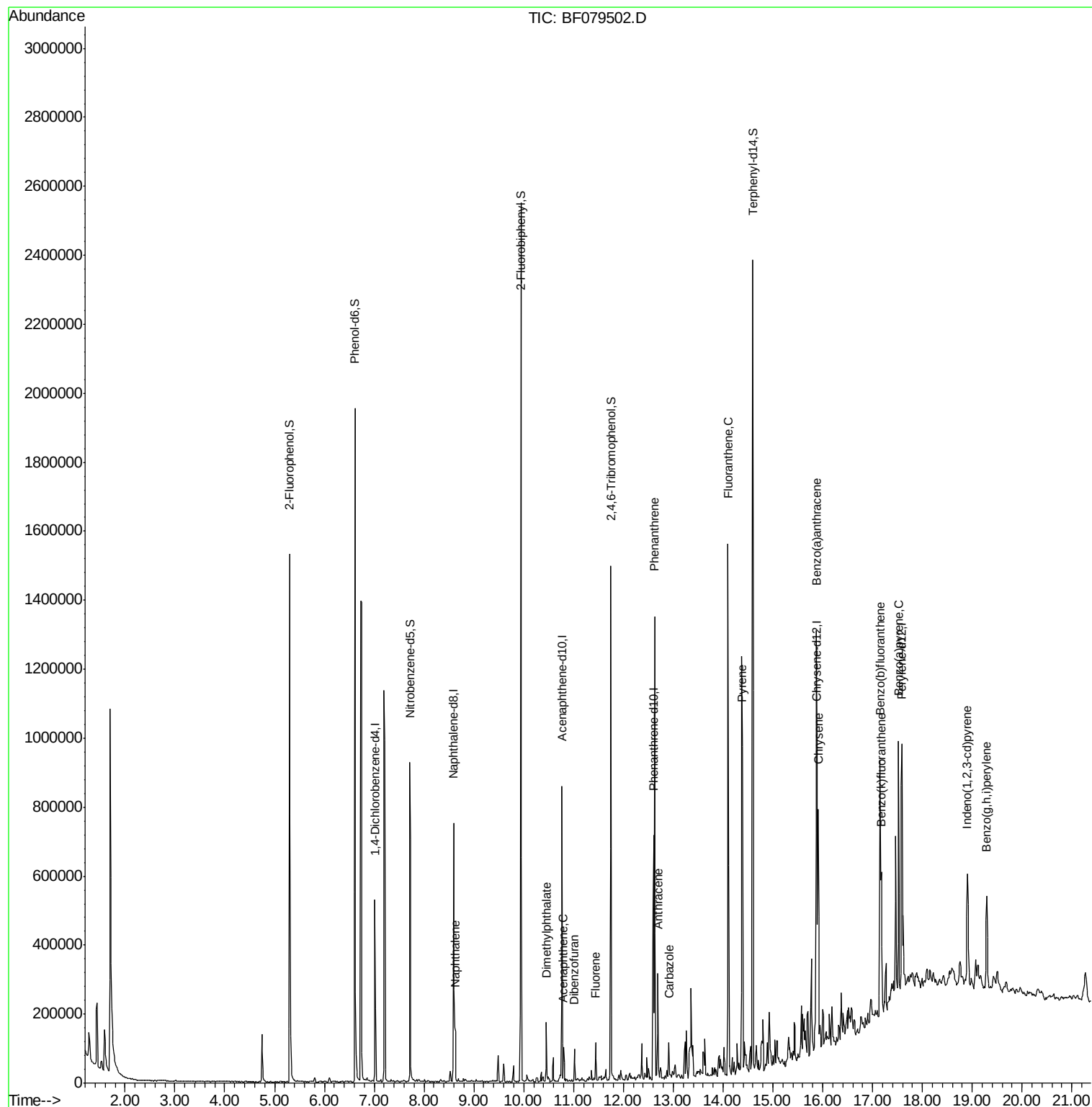
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
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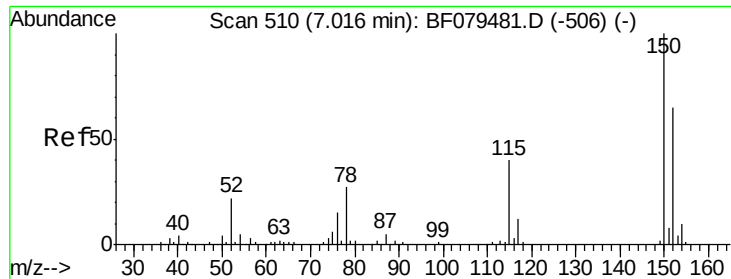
Instrument :
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Quant Time: May 27 06:57:28 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

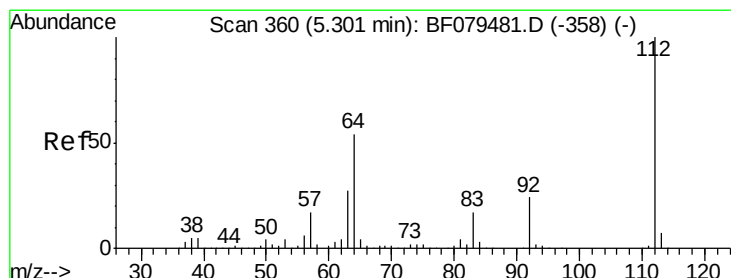
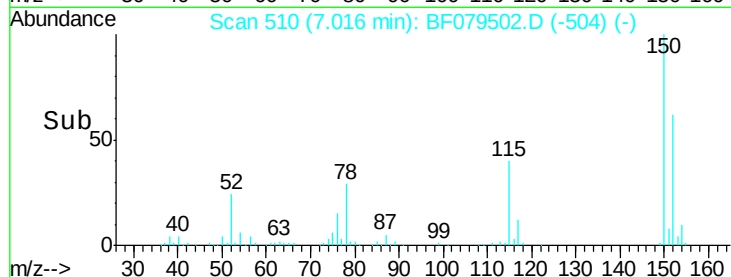
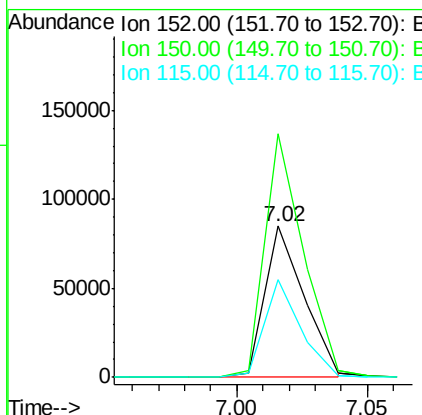
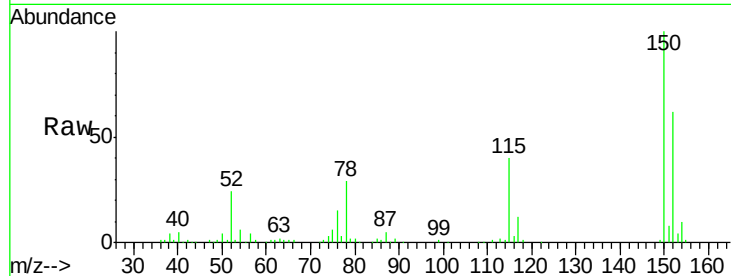
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF079502.D
Acq: 27 May 2015 4:46

Instrument :
BNA_F
ClientSampleId :
SW-023

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	124.0	186.0
115	64.9	49.6	74.4

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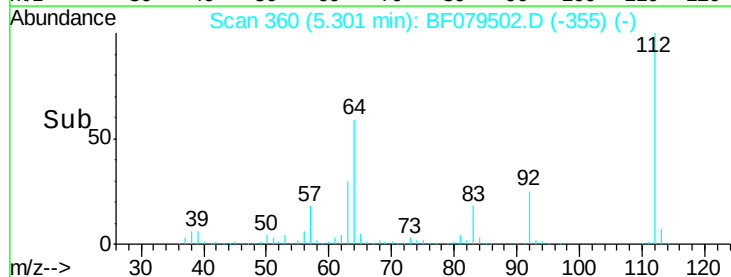
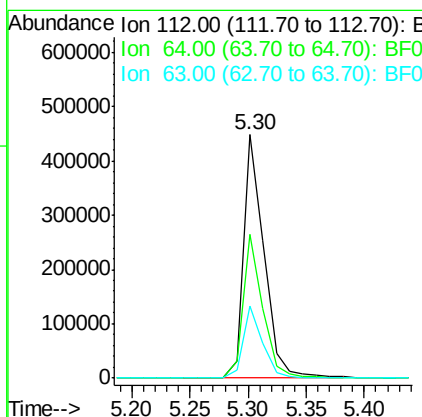
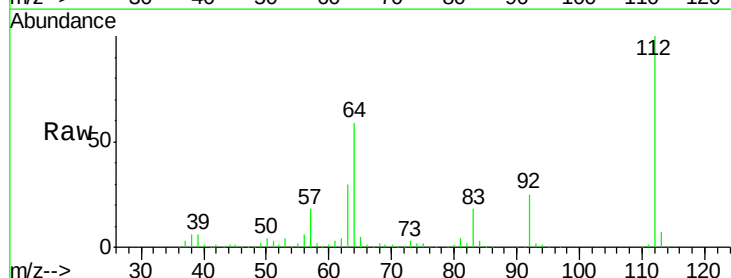
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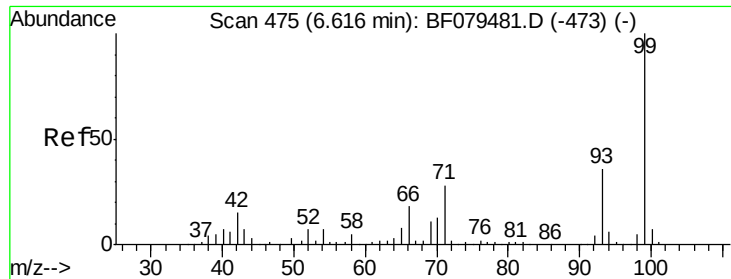


#5

2-Fluorophenol
Concen: 108.08 ng m
RT: 5.30 min Scan# 360
Delta R.T. 0.00 min
Lab File: BF079502.D
Acq: 27 May 2015 4:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	43.5	65.3
63	29.7	21.8	32.8





#7

Phenol-d6

Concen: 110.86 ng

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

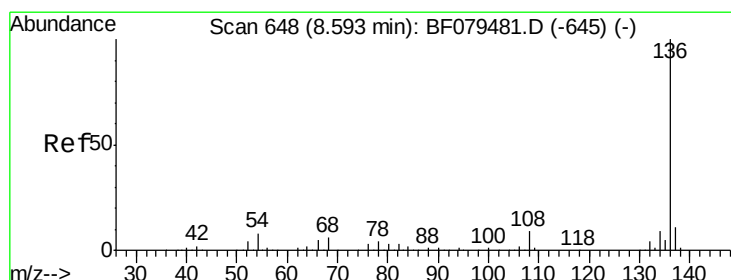
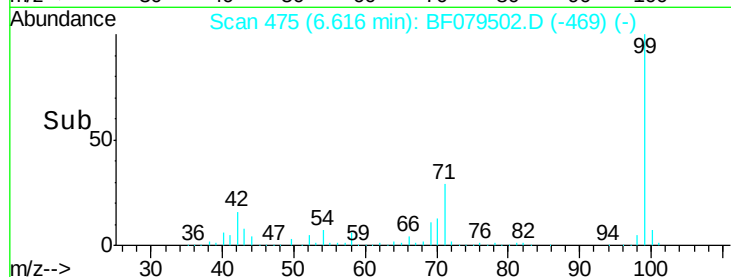
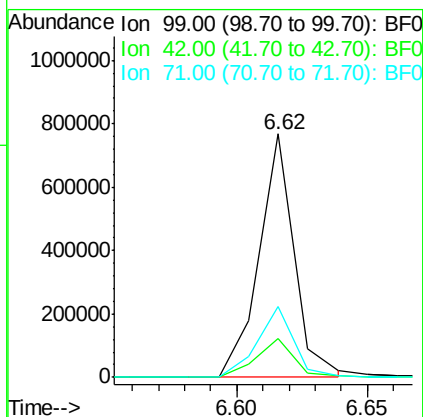
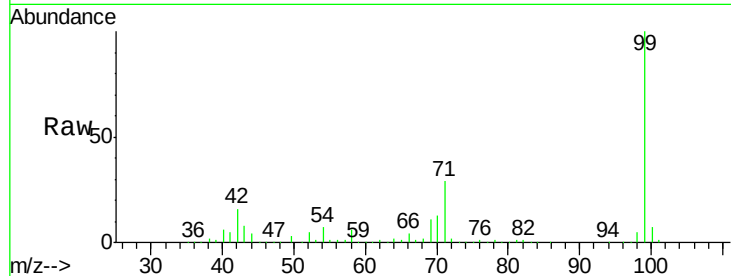
ClientSampled :

SW-023

Tot Ion:	99	Resp:	725746
Ion Ratio	Lower	Upper	
99	100		
42	15.7	11.9	17.9
71	29.3	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

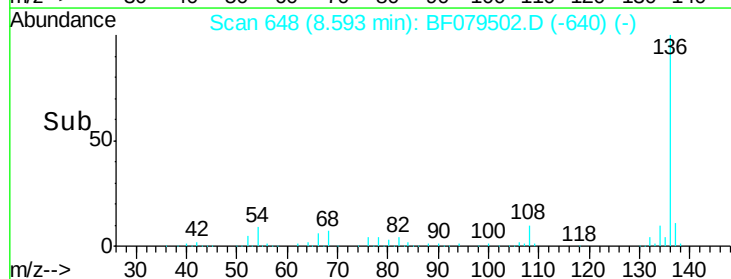
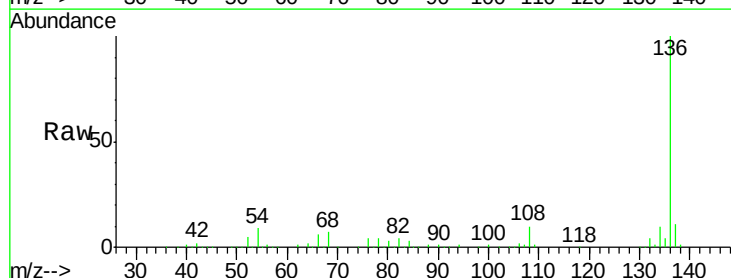
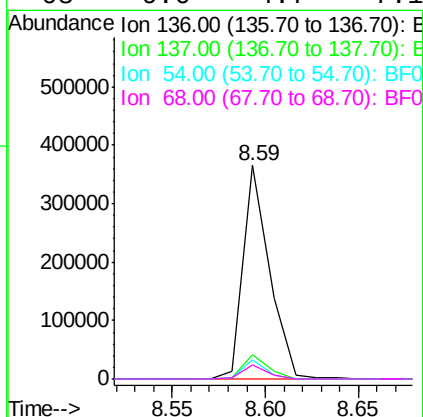
RT: 8.59 min Scan# 648

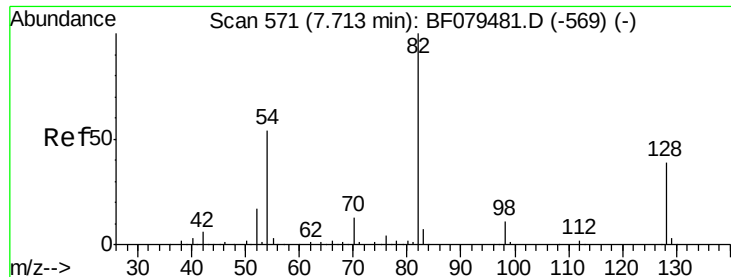
Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Tgt Ion:	136	Resp:	361139
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	9.0	6.6	9.8
68	6.6	4.7	7.1





#23

Nitrobenzene-d5

Concen: 64.79 ng

RT: 7.71 min Scan# 571

Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

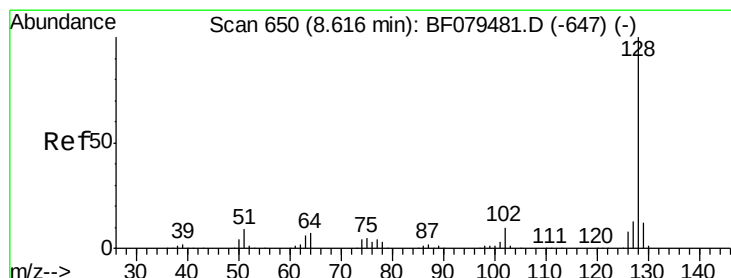
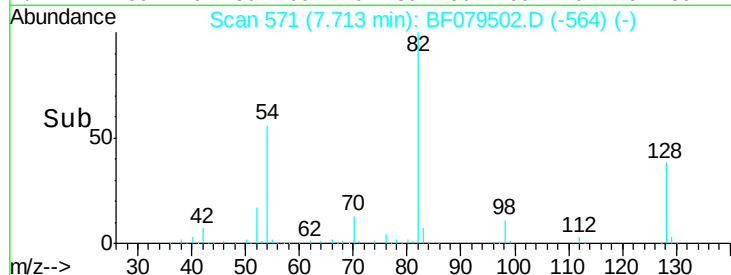
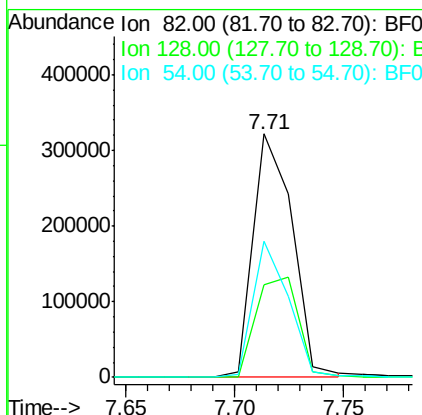
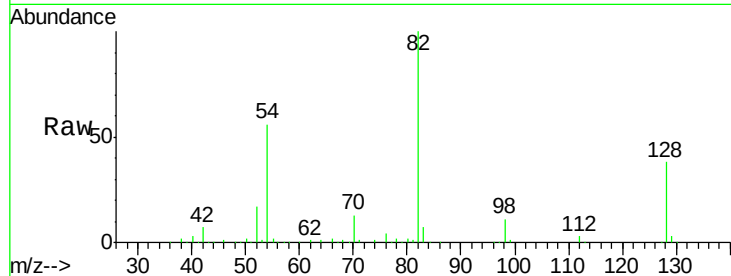
ClientSampleId :

SW-023

Tot Ion:	82	Resp:	404780
Ion Ratio	Lower	Upper	
82	100		
128	37.9	30.8	46.2
54	55.7	42.8	64.2

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#31

Naphthalene

Concen: 5.86 ng

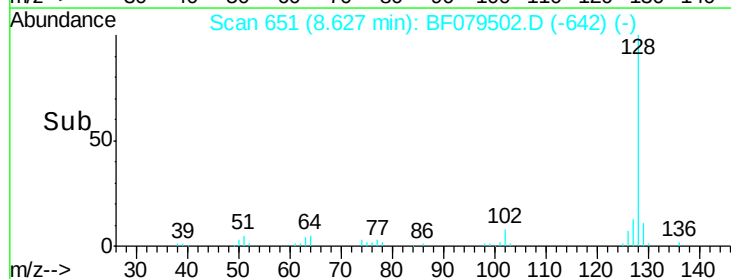
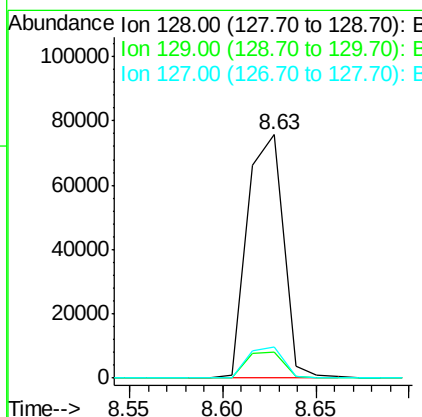
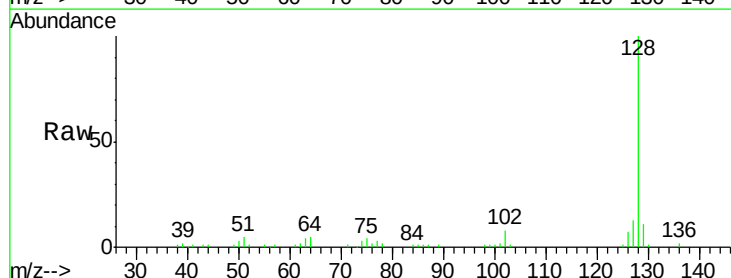
RT: 8.63 min Scan# 651

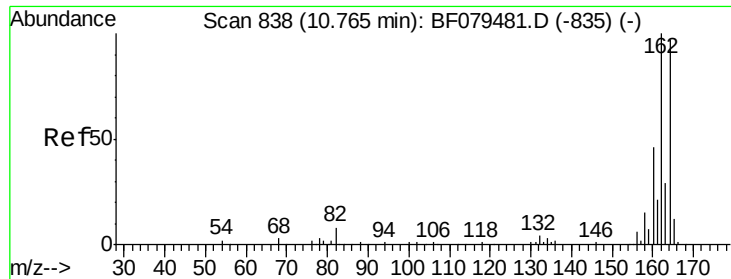
Delta R.T. 0.01 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Tgt Ion:	128	Resp:	101497
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.3	13.9
127	13.0	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: BF079502.D

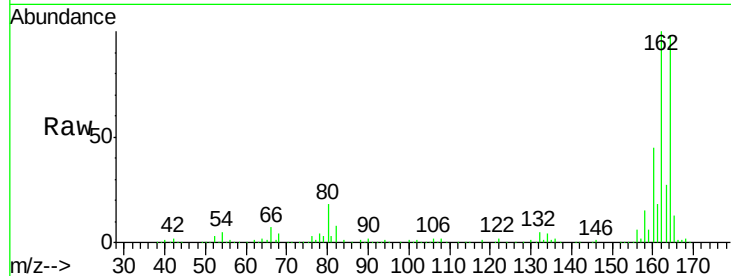
Acq: 27 May 2015 4:46

Instrument :

BNA_F

ClientSampled :

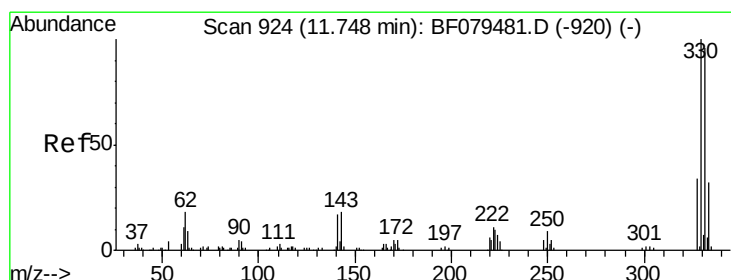
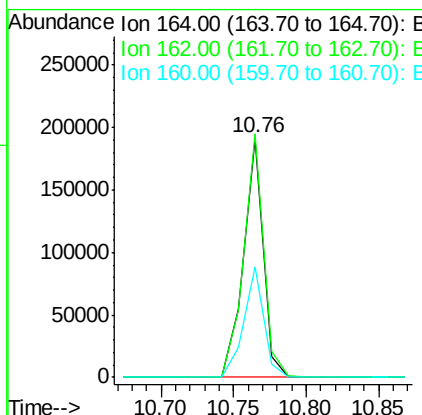
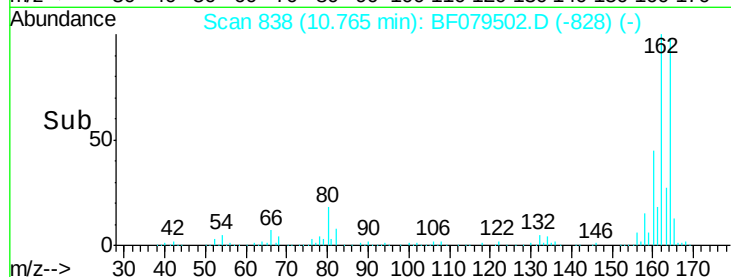
SW-023



Tot Ion	164	Resp	181291
Ion Ratio	Lower	Upper	
164	100		
162	101.9	82.6	124.0
160	46.0	37.7	56.5

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#41

2,4,6-Tribromophenol

Concen: 108.46 ng

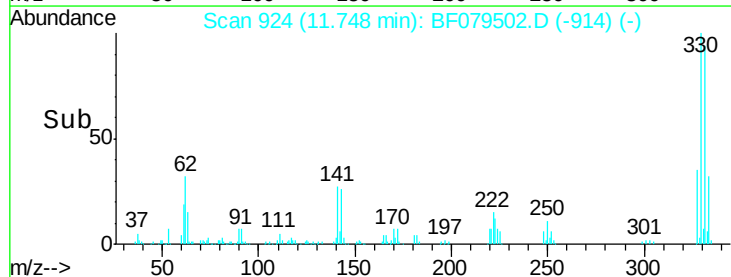
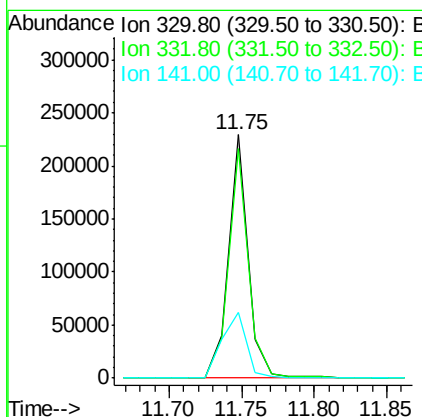
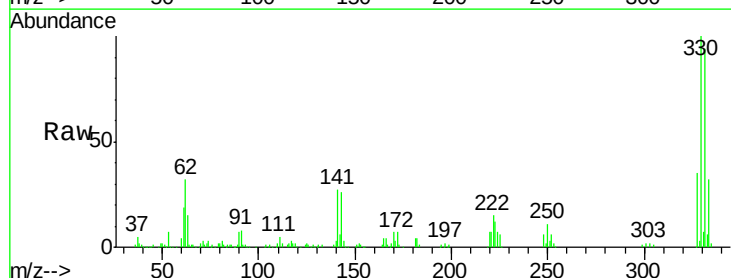
RT: 11.75 min Scan# 924

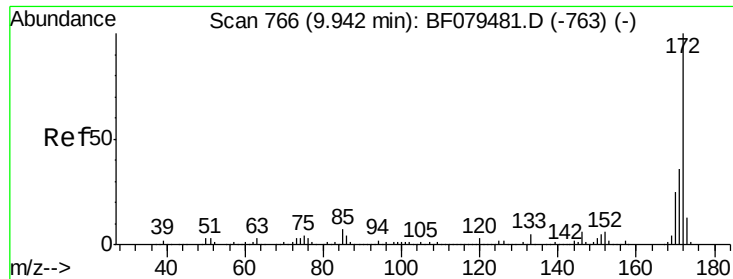
Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Tgt Ion	330	Resp	215964
Ion Ratio	Lower	Upper	
330	100		
332	95.6	0.0	0.0#
141	34.0	0.0	0.0#





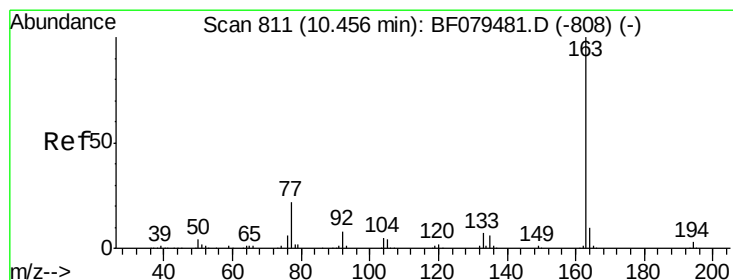
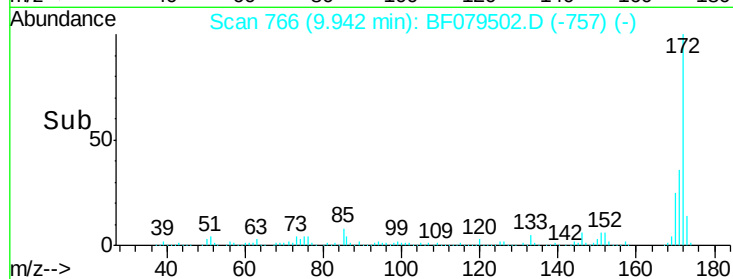
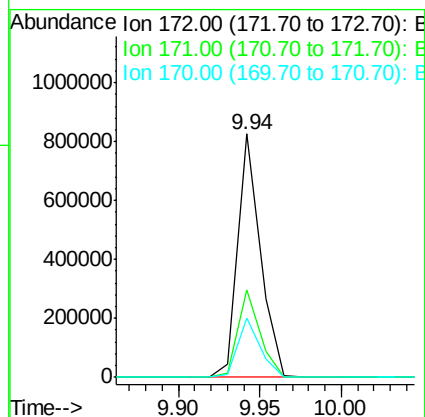
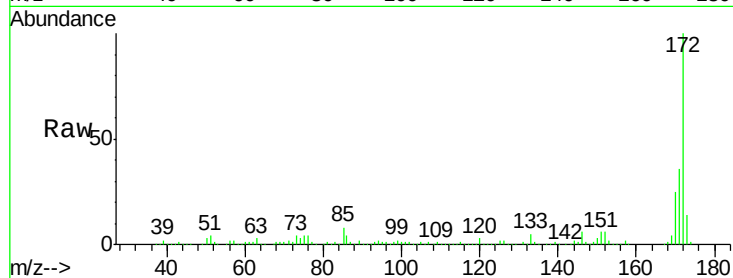
#44
2-Fluorobiphenyl
Concen: 62.03 ng
RT: 9.94 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF079502.D
Acq: 27 May 2015 4:46

Instrument :
BNA_F
ClientSampled :
SW-023

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.8	28.5	42.7
170	24.6	19.7	29.5

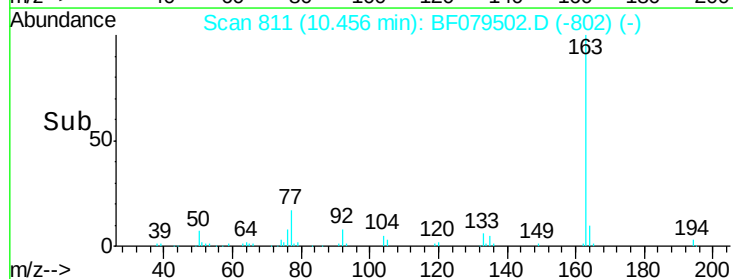
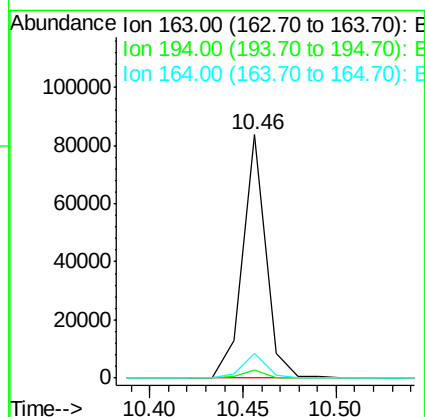
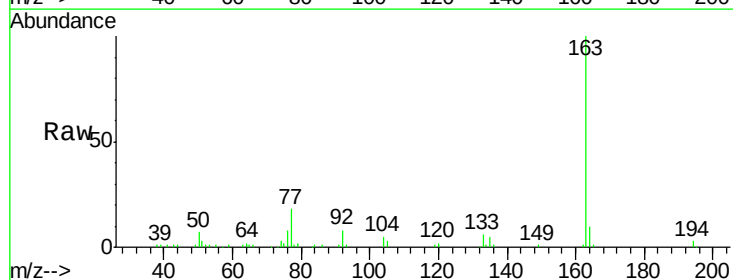
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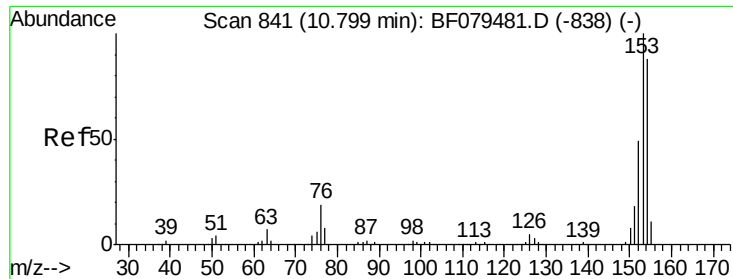
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5/27/2015 2:02:22 PM



#49
Dimethylphthalate
Concen: 5.45 ng
RT: 10.46 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF079502.D
Acq: 27 May 2015 4:46

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	2.4	3.6
164	9.9	8.2	12.4





#51

Acenaphthene

Concen: 2.55 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

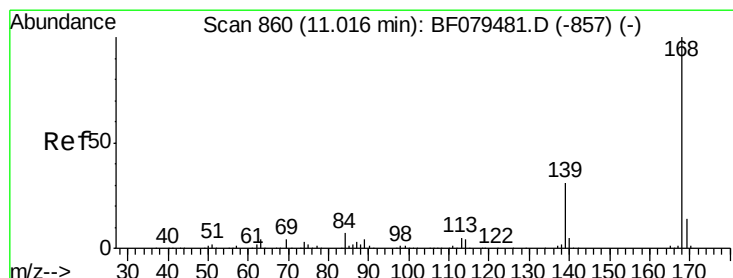
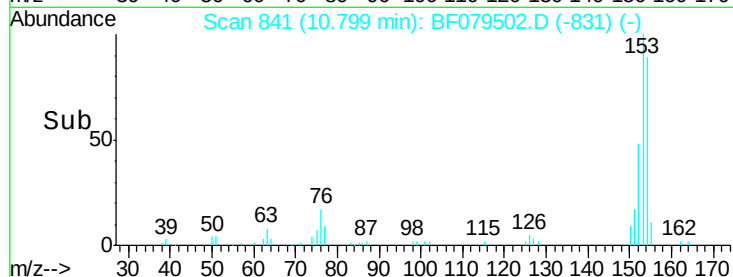
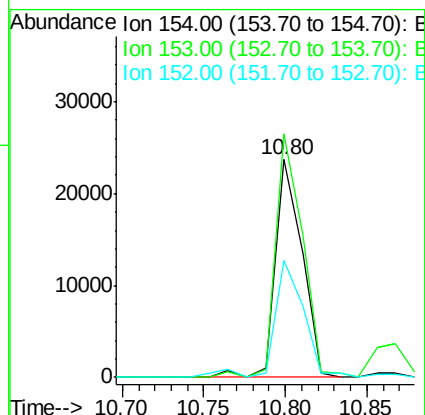
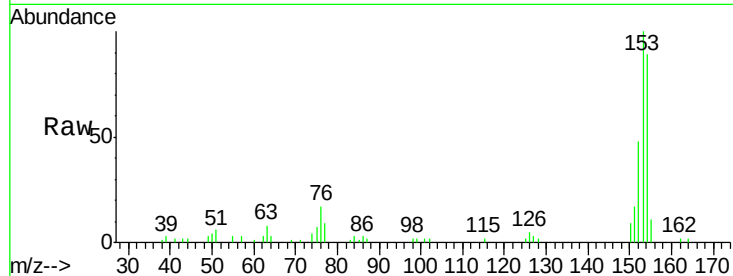
ClientSampleId :

SW-023

Tot Ion:	154	Resp:	27032
Ion Ratio	Lower	Upper	
154	100		
153	111.9	91.1	136.7
152	53.8	44.6	66.8

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#54

Dibenzofuran

Concen: 2.73 ng

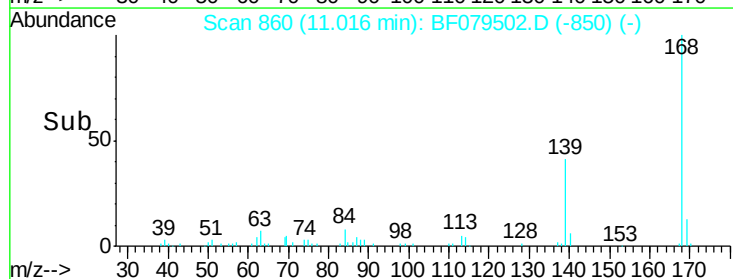
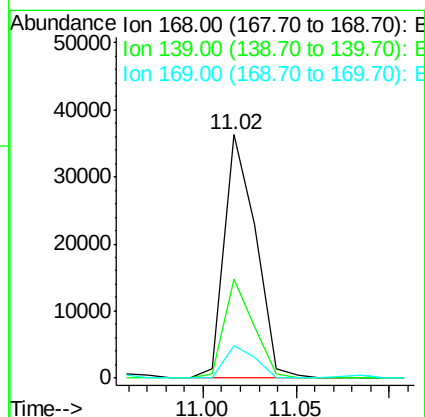
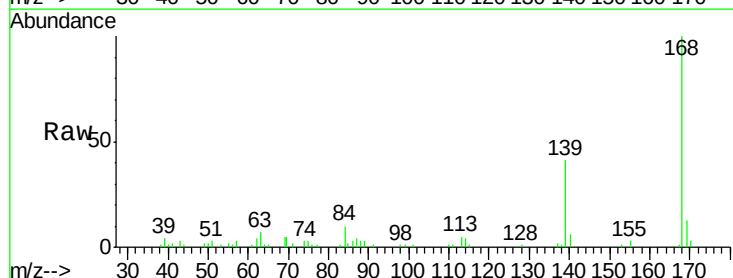
RT: 11.02 min Scan# 860

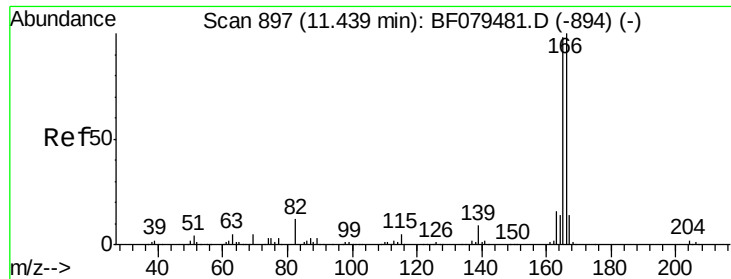
Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Tgt Ion:	168	Resp:	42763
Ion Ratio	Lower	Upper	
168	100		
139	40.6	32.9	49.3
169	13.4	11.1	16.7





#57

Fluorene

Concen: 3.14 ng

RT: 11.44 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

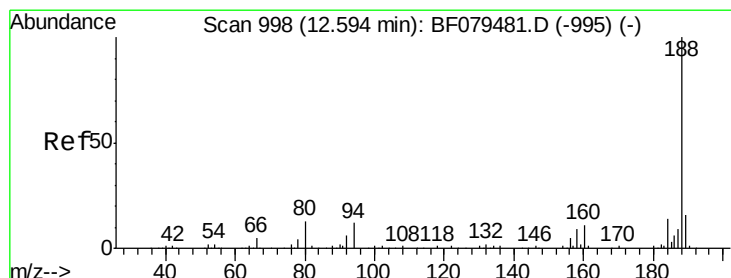
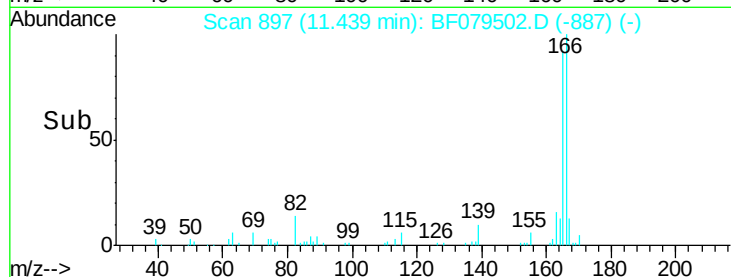
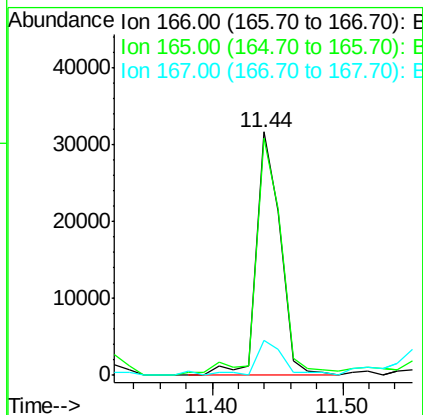
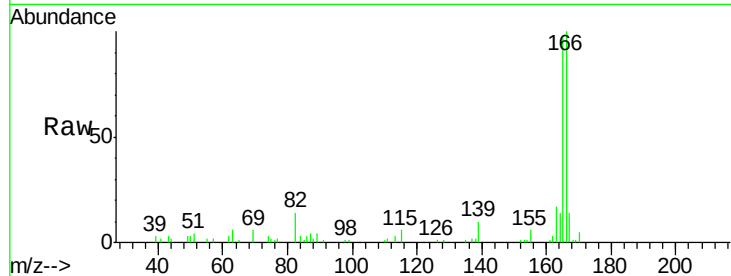
ClientSampleId :

SW-023

Tot Ion:	166	Resp:	40564
Ion Ratio	Lower	Upper	
166	100		
165	97.2	78.6	117.8
167	14.3	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

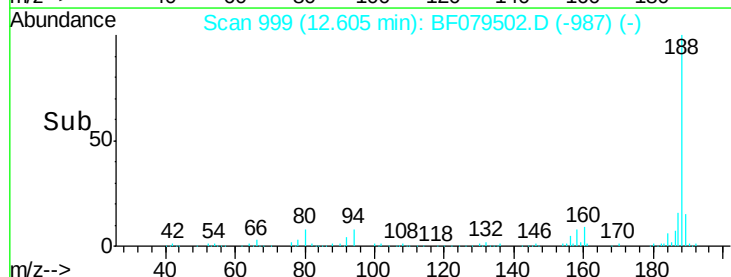
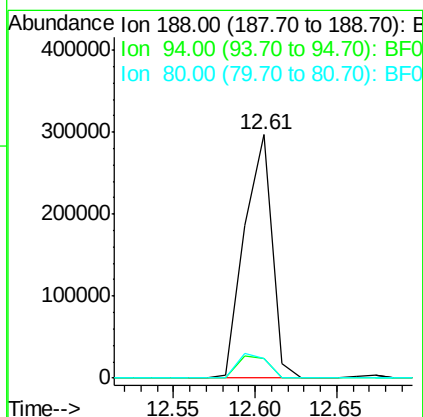
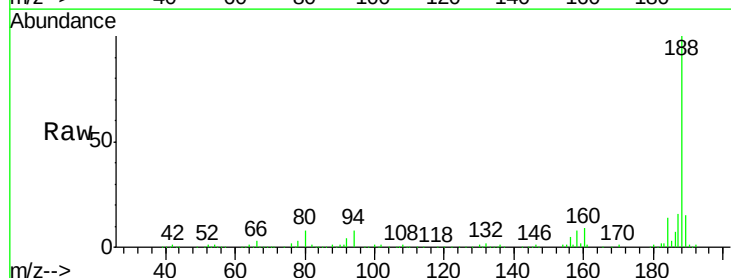
RT: 12.61 min Scan# 999

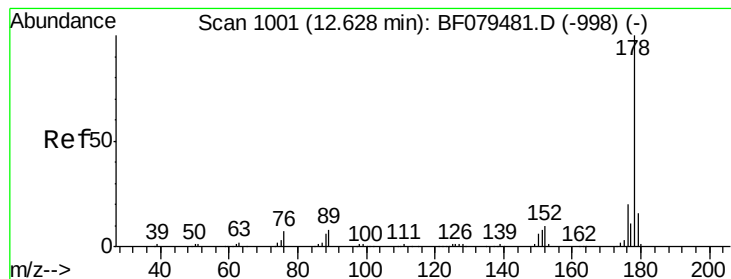
Delta R.T. 0.01 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Tgt Ion:	188	Resp:	346987
Ion Ratio	Lower	Upper	
188	100		
94	7.8	9.8	14.6#
80	8.1	10.5	15.7#





#70

Phenanthrene

Concen: 28.97 ng

RT: 12.63 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

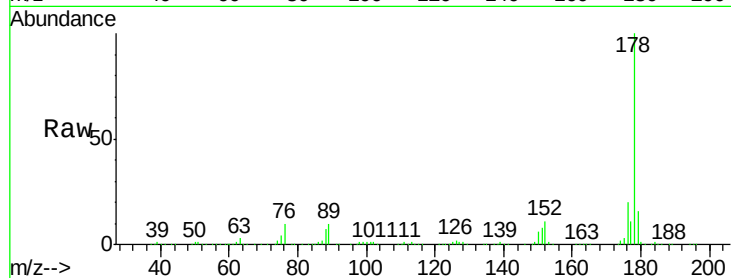
ClientSampled :

SW-023

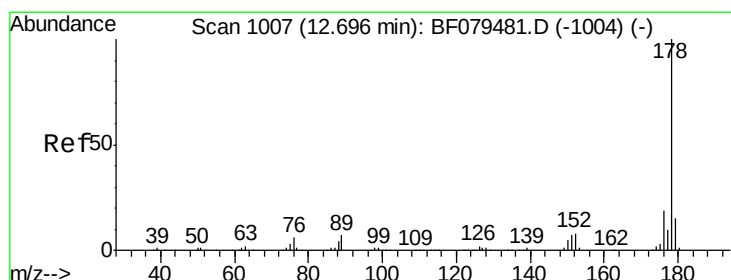
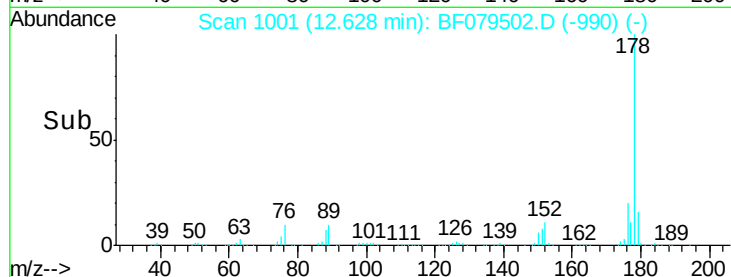
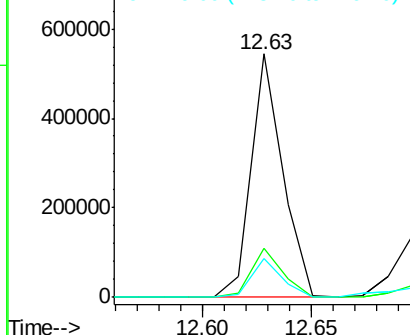
Tot Ion:	178	Resp:	551374
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.7	23.5
179	15.9	12.4	18.6

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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: 7.10 ng

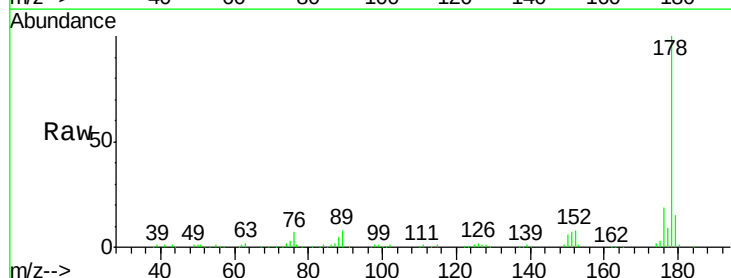
RT: 12.70 min Scan# 1007

Delta R.T. 0.00 min

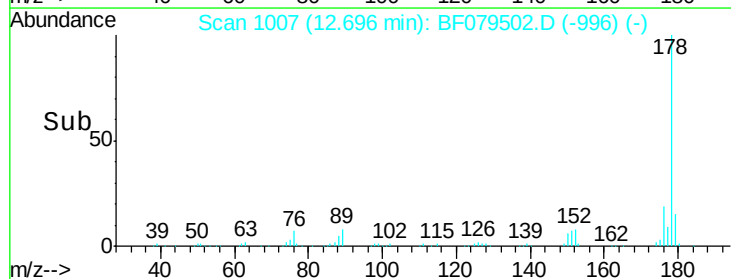
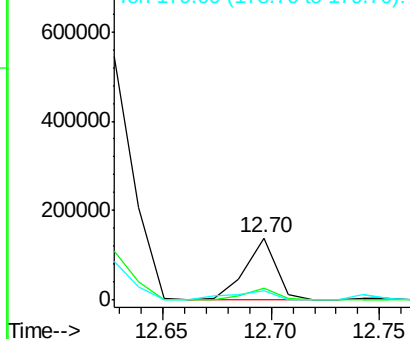
Lab File: BF079502.D

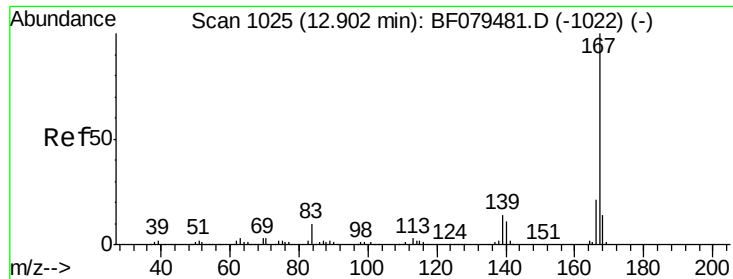
Acq: 27 May 2015 4:46

Tgt Ion:	178	Resp:	137128
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.3	22.9
179	15.4	12.2	18.4



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: 3.51 ng

RT: 12.91 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

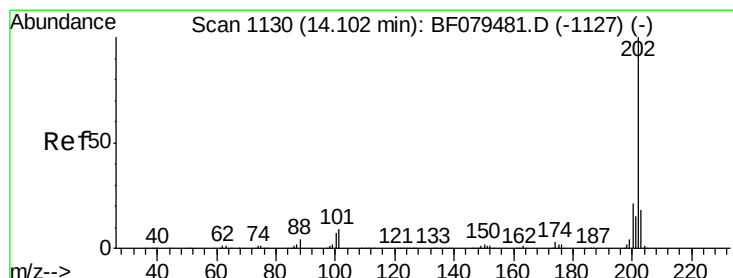
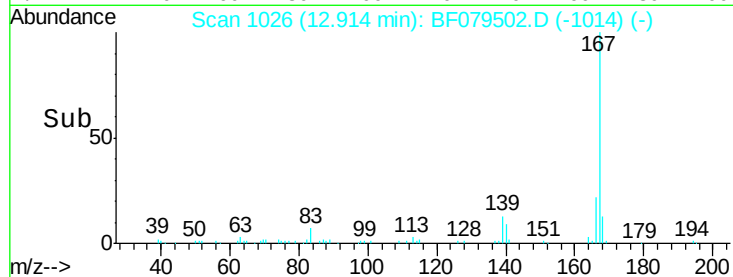
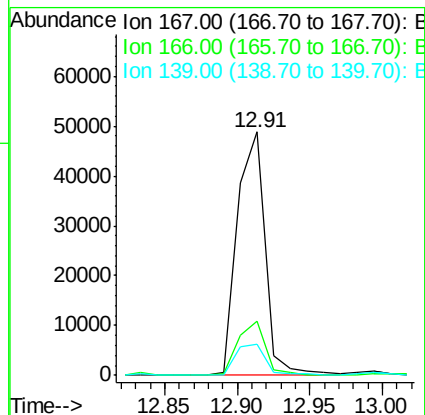
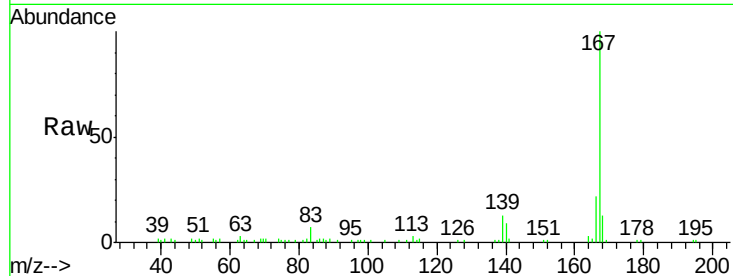
ClientSampleId :

SW-023

Tot Ion:	167	Resp:	65226
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.0	25.4
139	12.8	11.2	16.8

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#74

Fluoranthene

Concen: 34.65 ng

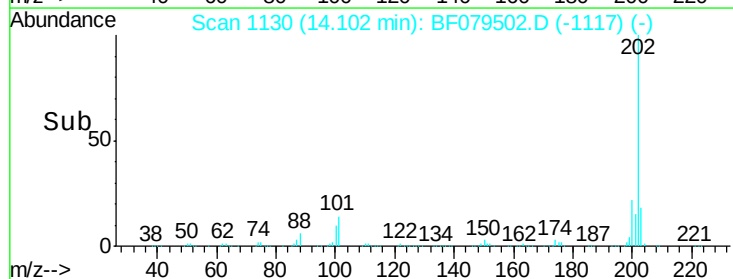
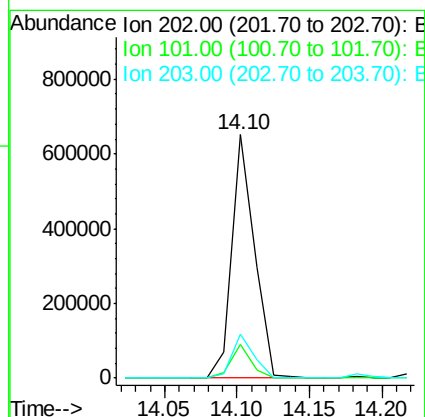
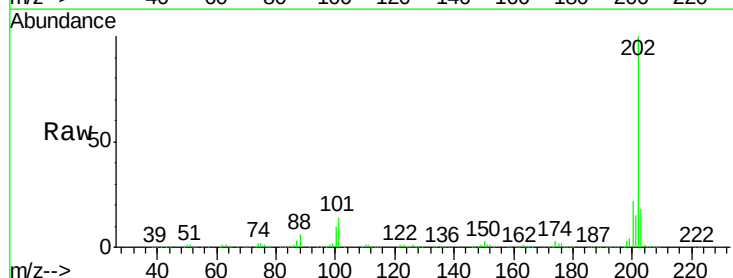
RT: 14.10 min Scan# 1130

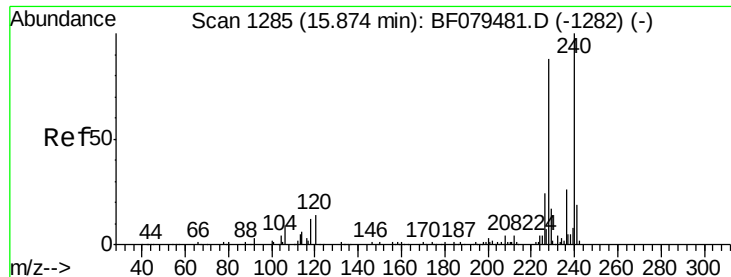
Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Tgt Ion:	202	Resp:	707327
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	29.3
203	18.1	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: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

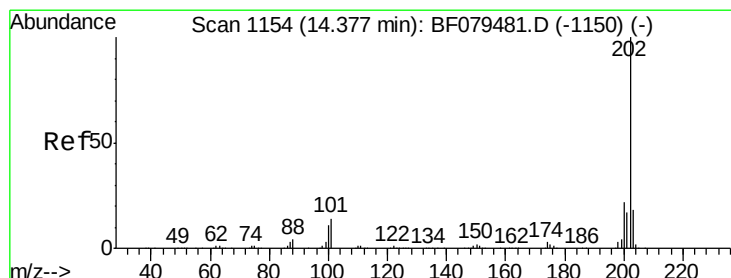
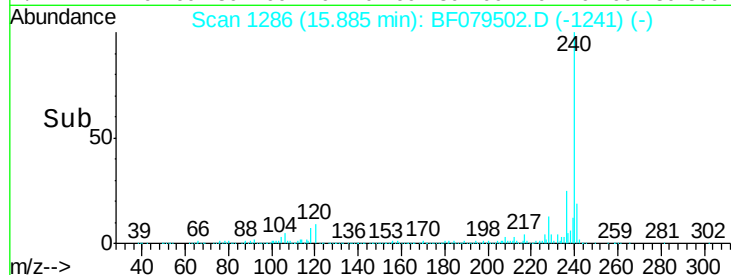
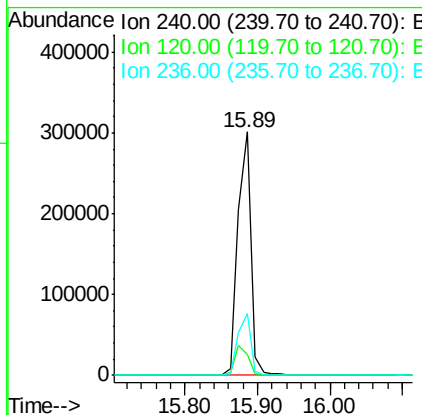
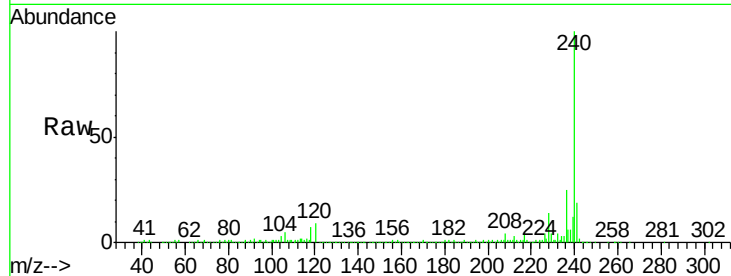
ClientSampleId :

SW-023

Tot Ion:	240	Resp:	376316
Ion Ratio		Lower	Upper
240	100		
120	8.6	10.8	16.2#
236	25.4	21.0	31.6

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#77

Pyrene

Concen: 26.76 ng

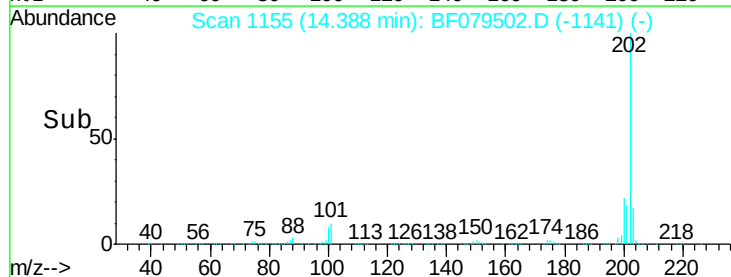
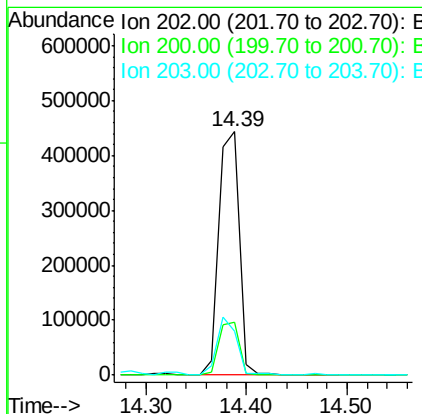
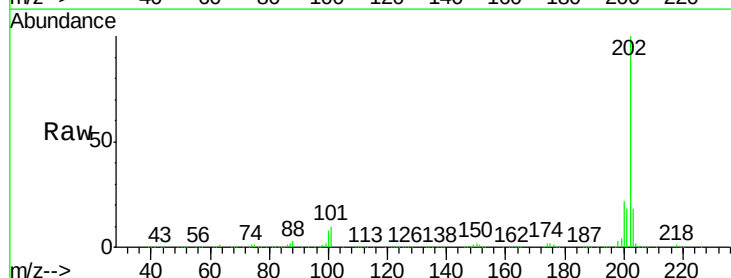
RT: 14.39 min Scan# 1155

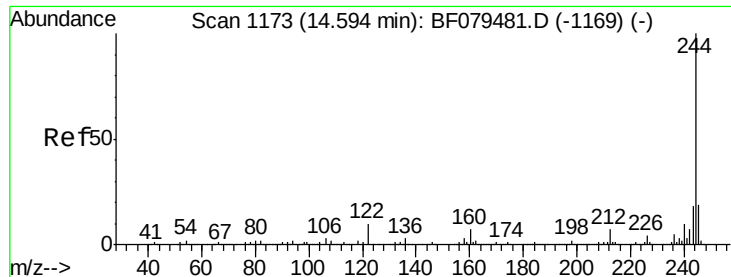
Delta R.T. 0.01 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Tgt Ion:	202	Resp:	623800
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.5	26.3
203	18.0	14.4	21.6





#78

Terphenyl-d14

Concen: 56.56 ng

RT: 14.59 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

ClientSampled :

SW-023

Tot Ion:244 Resp: 906908

Ion Ratio Lower Upper

244 100

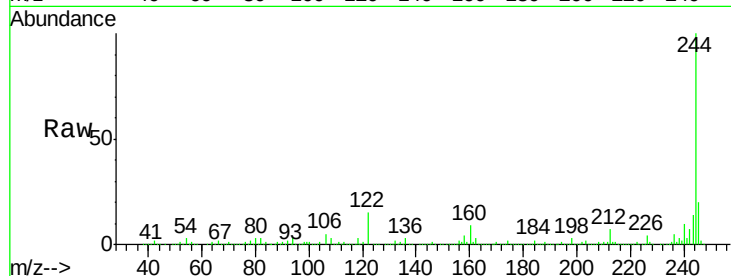
212 7.2 5.2 7.8

122 14.8 8.0 12.0#

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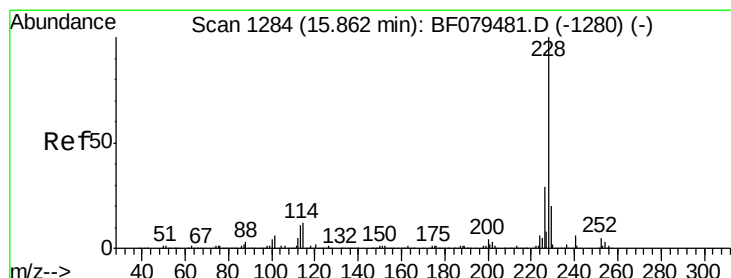
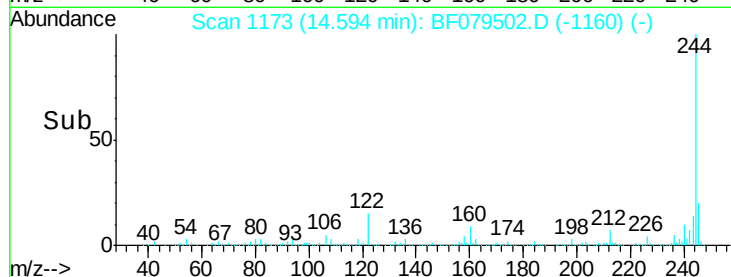
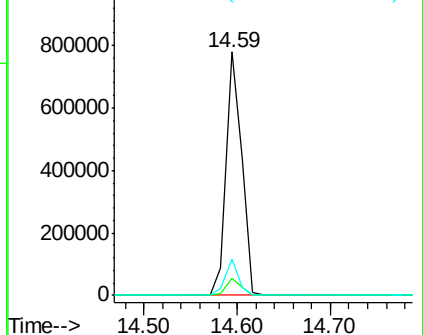
5/27/2015 2:02:22 PM



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: 17.31 ng

RT: 15.87 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

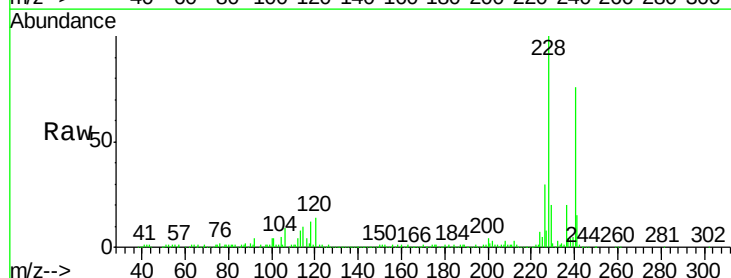
Tgt Ion:228 Resp: 374822

Ion Ratio Lower Upper

228 100

226 29.9 22.8 34.2

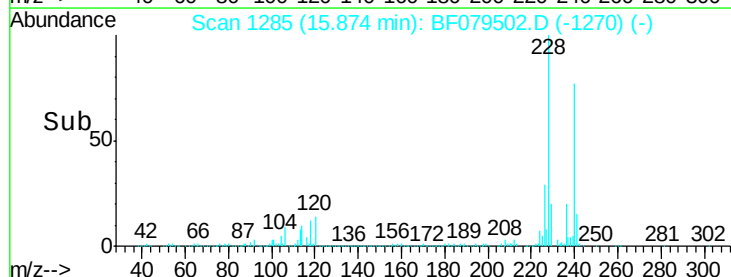
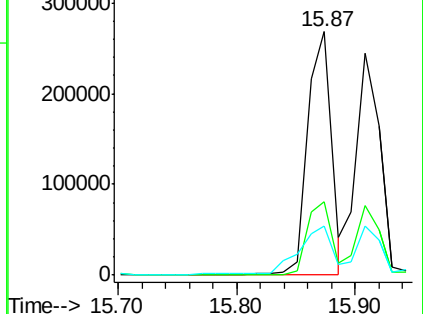
229 20.3 15.9 23.9

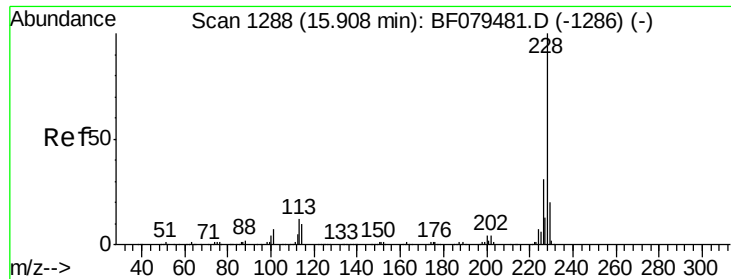


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.22 ng

RT: 15.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

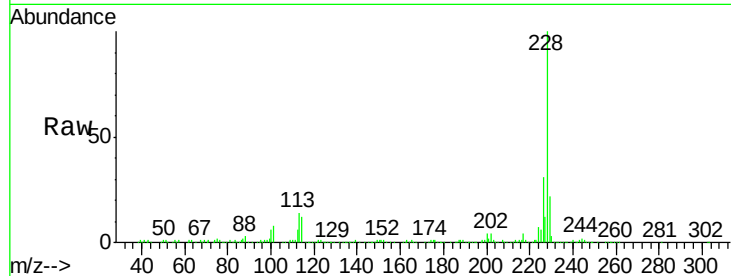
ClientSampleId :

SW-023

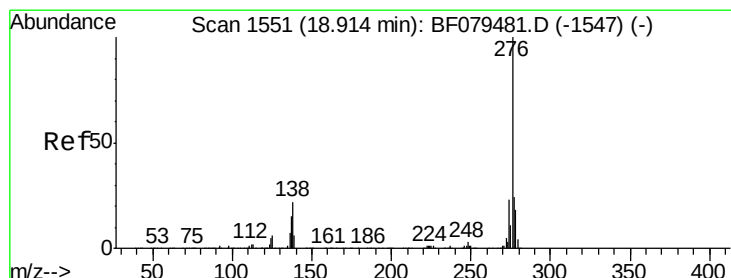
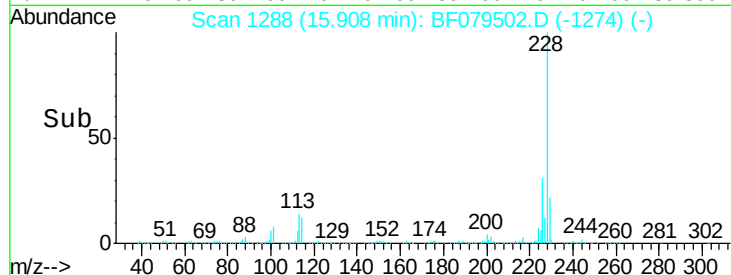
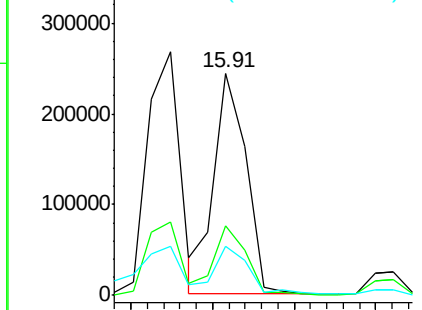
Tot Ion:	228	Resp:	333750
Ion Ratio		Lower	Upper
228	100		
226	31.1	25.0	37.4
229	22.1	15.9	23.9

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.22 ng

RT: 18.90 min Scan# 1550

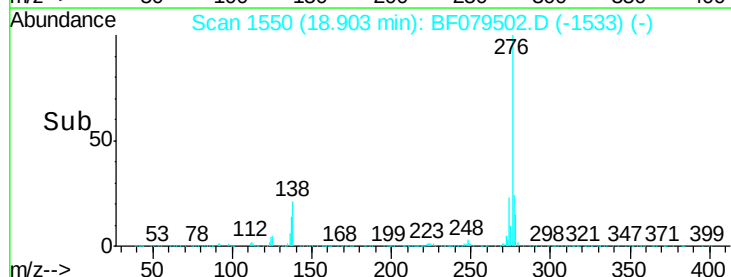
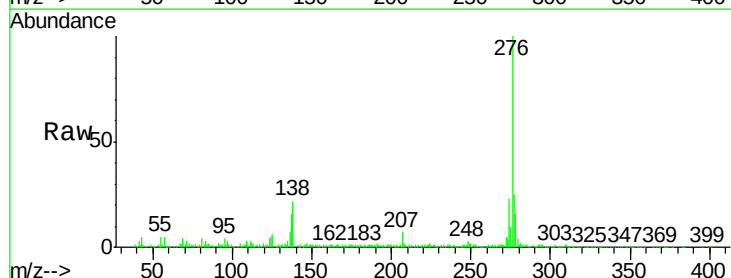
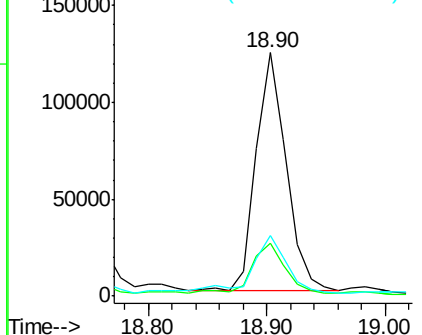
Delta R.T. -0.01 min

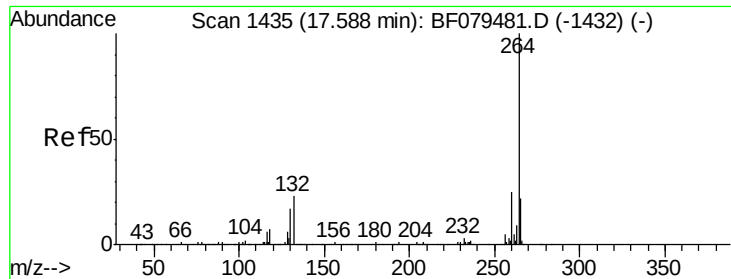
Lab File: BF079502.D

Acq: 27 May 2015 4:46

Tgt Ion:	276	Resp:	217541
Ion Ratio		Lower	Upper
276	100		
138	22.9	21.4	32.2
277	28.7	19.8	29.6

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





#86

Pervlene-d12

Concen: 20.00 ng

RT: 17.59 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF079502.D

Acq: 27 May 2015 4:46

Instrument :

BNA_F

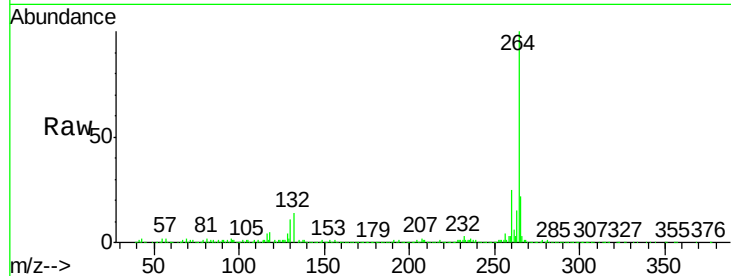
ClientSampleId :

SW-023

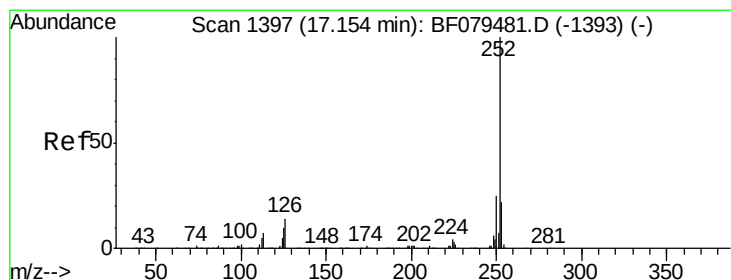
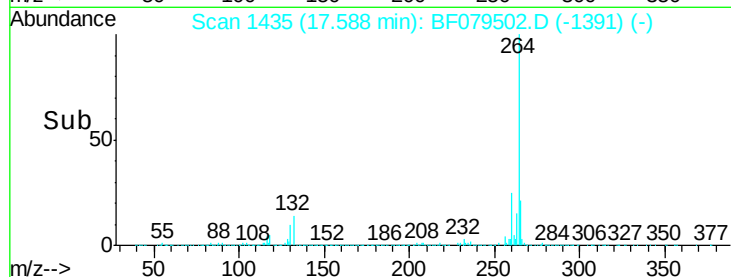
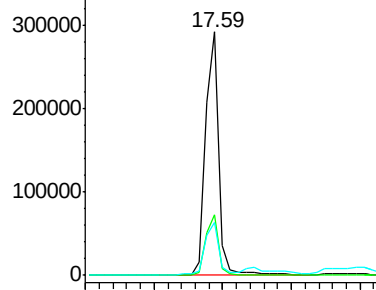
Tot Ion:	264	Resp:	392914
Ion Ratio		Lower	Upper
264	100		
260	24.9	19.8	29.8
265	21.6	17.8	26.6

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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: 20.49 ng m

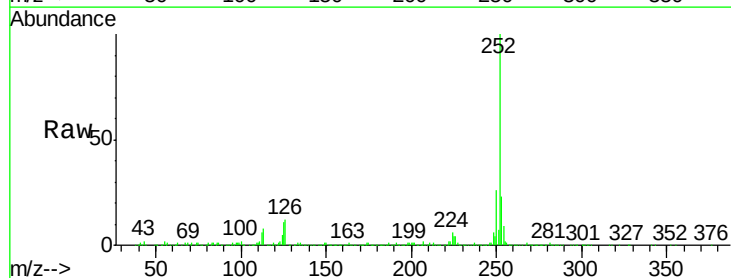
RT: 17.15 min Scan# 1397

Delta R.T. 0.00 min

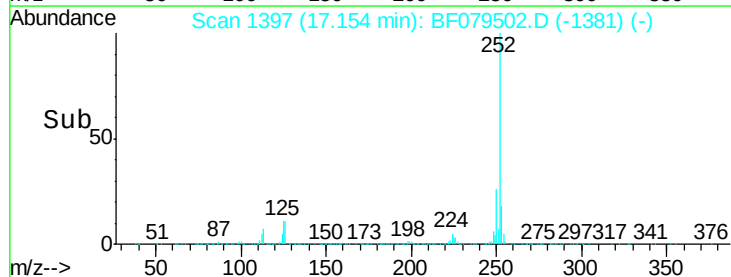
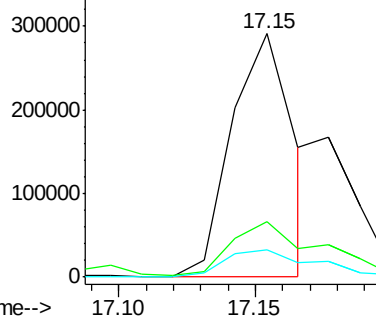
Lab File: BF079502.D

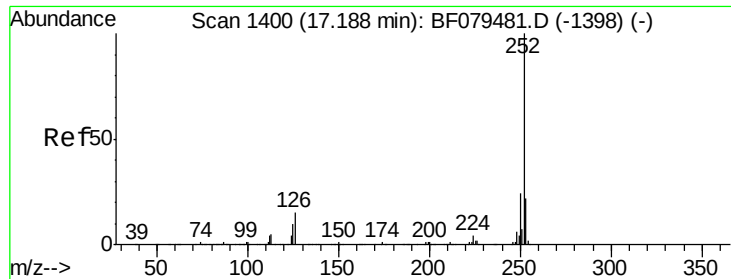
Acq: 27 May 2015 4:46

Tgt Ion:	252	Resp:	459167
Ion Ratio		Lower	Upper
252	100		
253	22.5	17.6	26.4
125	11.4	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





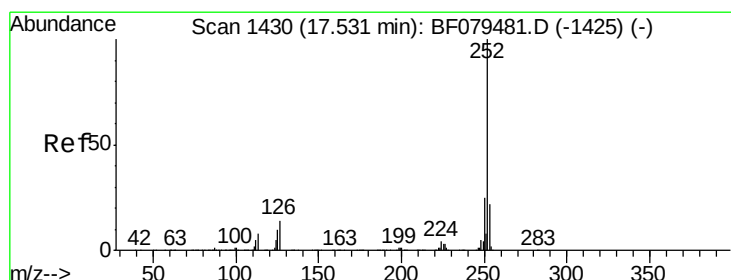
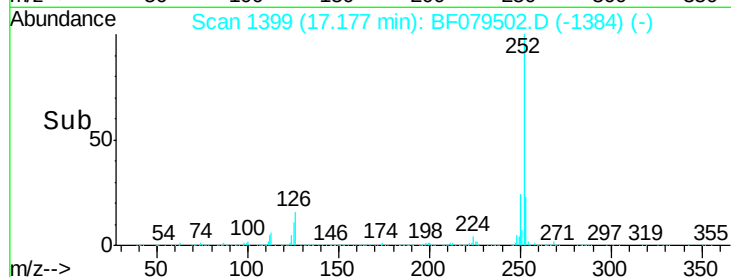
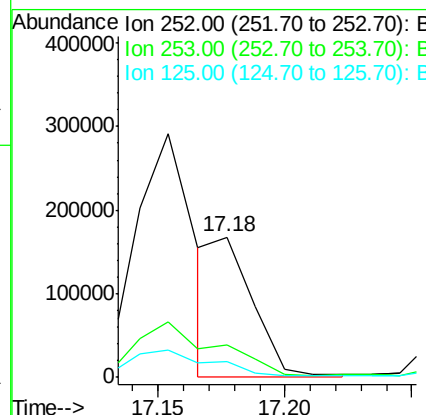
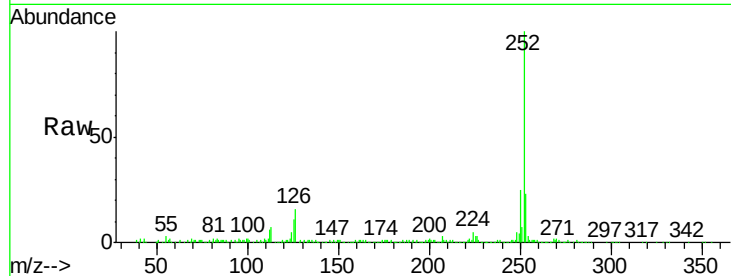
#88
Benzo(k)fluoranthene
Concen: 9.21 ng m
RT: 17.18 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF079502.D
Acq: 27 May 2015 4:46

Instrument :
BNA_F
ClientSampleId :
SW-023

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	11.5	6.8	10.2

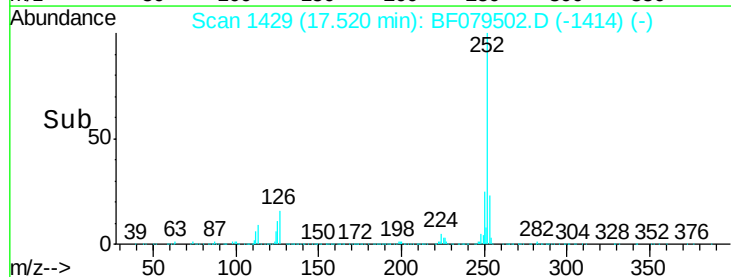
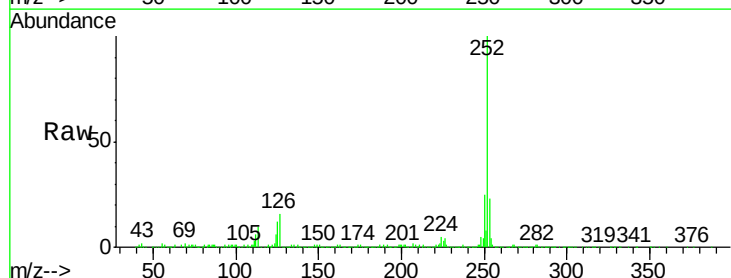
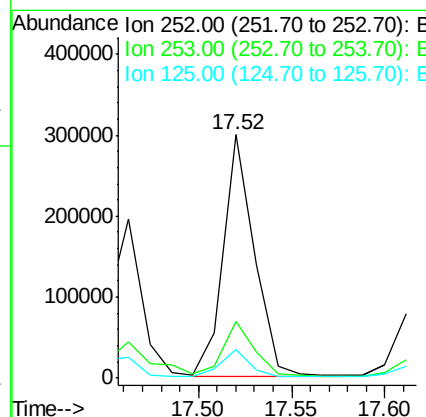
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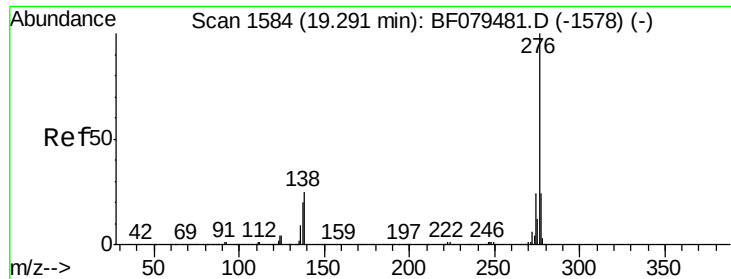
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5/27/2015 2:02:22 PM



#89
Benzo(a)pyrene
Concen: 16.63 ng
RT: 17.52 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF079502.D
Acq: 27 May 2015 4:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	11.9	7.9	11.9





#91
 Benzo(a,h,i)perylene
 Concen: 8.54 ng
 RT: 19.29 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF079502.D
 Acq: 27 May 2015 4:46

Instrument :
 BNA_F
 ClientSampleId :
 SW-023

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	23.2	20.1	30.1

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