

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
 Data File : BF079294.D
 Acq On : 16 May 2015 5:19
 Operator : TP/IZ
 Sample : G2259-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

Manual Integrations
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Quant Time: May 16 06:27:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 16 04:02:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	66841	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	275026	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	129021	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	229254	20.00	ng	0.00
75) Chrysene-d12	16.06	240	224694	20.00	ng	0.00
86) Perylene-d12	17.76	264	246065	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	513321m	132.20	ng	0.00
7) Phenol-d6	6.75	99	682837	133.04	ng	0.01
23) Nitrobenzene-d5	7.87	82	407042	85.06	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	179963	128.93	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	733937	79.25	ng	0.00
78) Terphenyl-d14	14.77	244	654746	69.76	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.78	128	32775	2.50	ng	98
48) Acenaphthylene	10.75	152	48933	3.73	ng	97
49) Dimethylphthalate	10.61	163	89423	9.44	ng	99
54) Dibenzofuran	11.18	168	30714	2.71	ng	97
57) Fluorene	11.60	166	35915	3.87	ng	98
70) Phenanthrene	12.80	178	699519	54.54	ng	99
71) Anthracene	12.86	178	132323	10.52	ng	98
72) Carbazole	13.06	167	43949	3.66	ng	99
74) Fluoranthene	14.27	202	894049	66.90	ng	98
77) Pyrene	14.55	202	831153	64.19	ng	97
80) Benzo(a)anthracene	16.03	228	398607m	32.40	ng	
82) Chrysene	16.08	228	357942	30.25	ng	98
83) Bis(2-ethylhexyl)phthalate	16.10	149	71351	8.32	ng	99
85) Indeno(1,2,3-cd)pyrene	19.15	276	193523	12.83	ng	94
87) Benzo(b)fluoranthene	17.33	252	424327m	31.51	ng	
88) Benzo(k)fluoranthene	17.35	252	166148m	12.74	ng	
89) Benzo(a)pyrene	17.69	252	329713	26.59	ng	97
90) Dibenzo(a,h)anthracene	19.17	278	45207m	3.43	ng	
91) Benzo(a,h,i)perylene	19.57	276	177772	13.46	ng	97

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

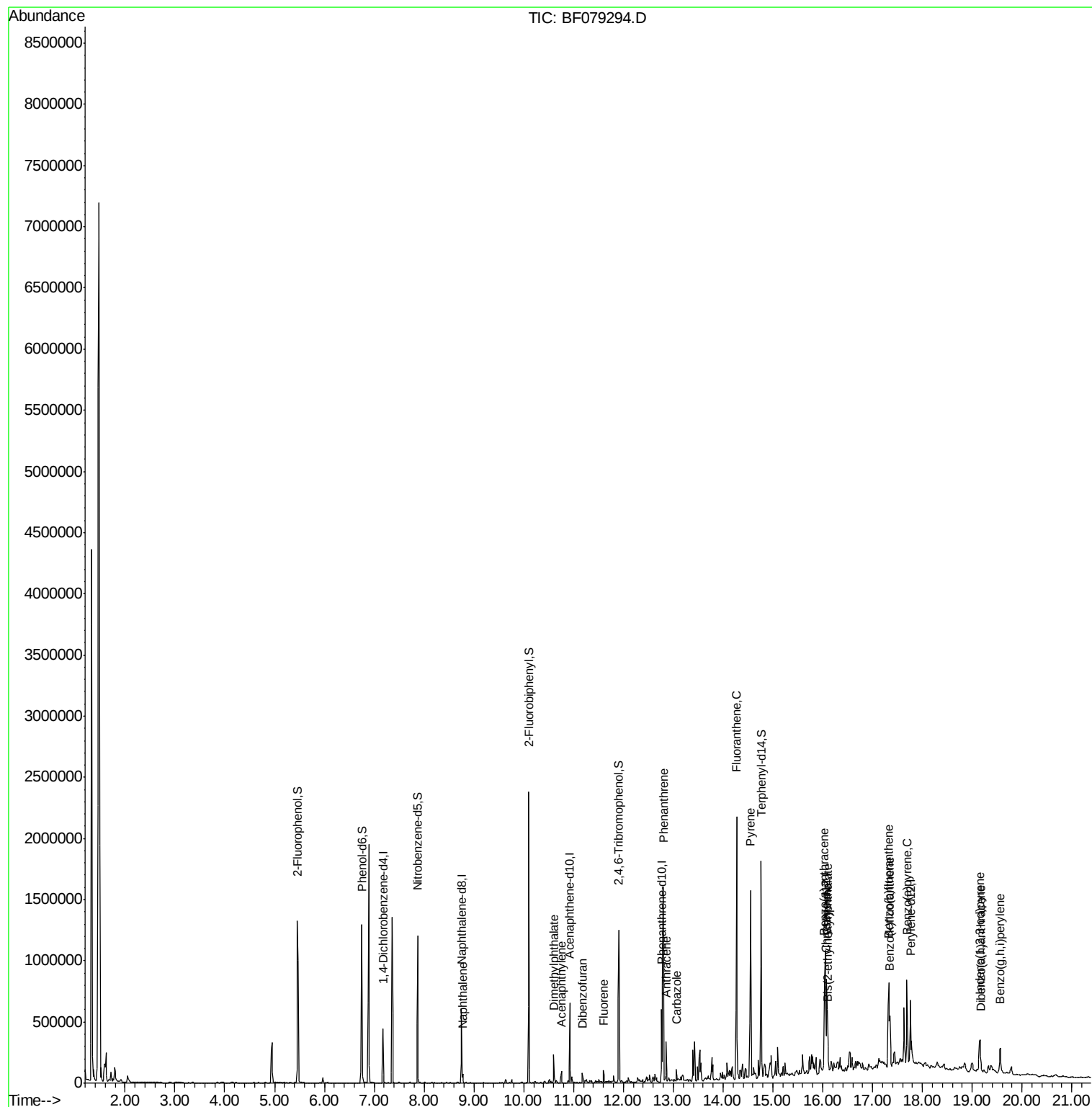
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
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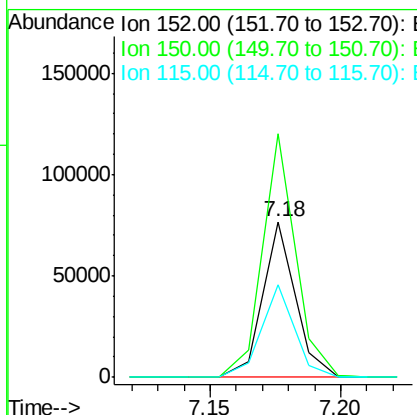
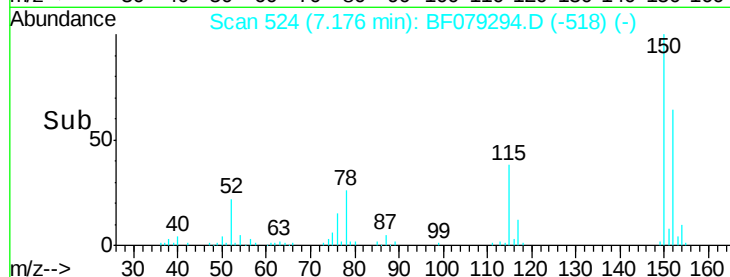
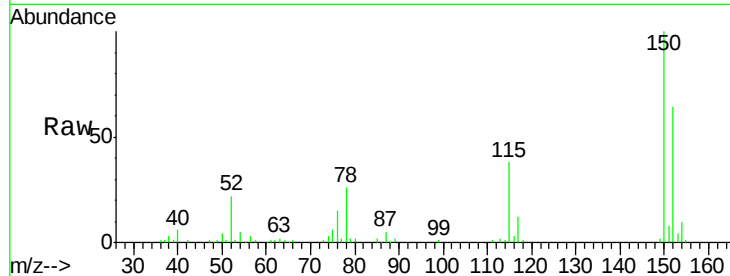
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.18 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

Tot Ion:	152	Resp:	66841
Ion Ratio	Lower	Upper	
152	100		
150	156.7	123.8	185.8
115	59.7	49.4	74.0

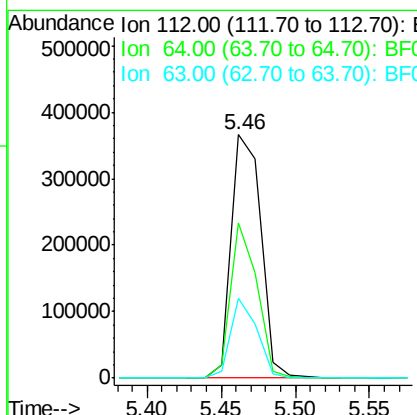
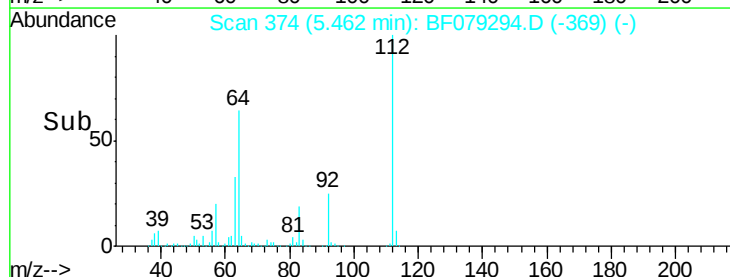
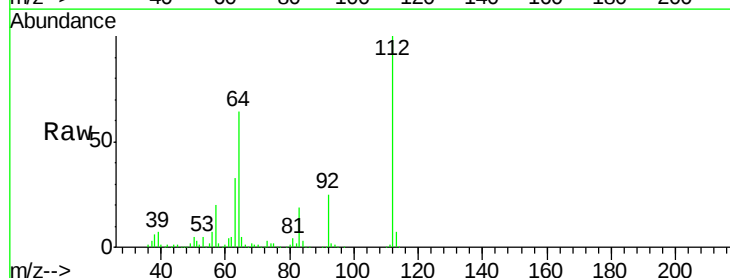
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#5
 2-Fluorophenol
 Concen: 132.20 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion:	112	Resp:	513321
Ion Ratio	Lower	Upper	
112	100		
64	63.7	44.2	66.2
63	32.6	22.7	34.1





#7

Phenol-d6

Concen: 133.04 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

ClientSampleId :

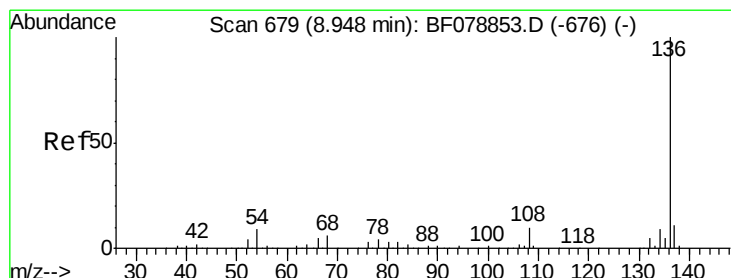
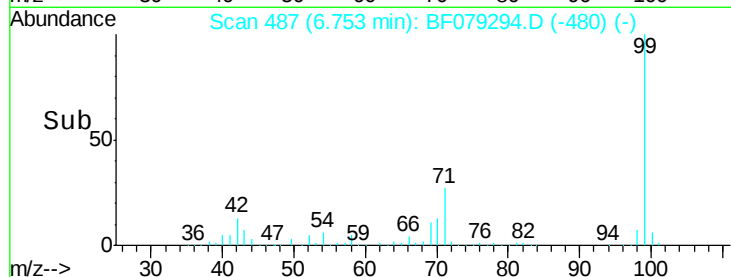
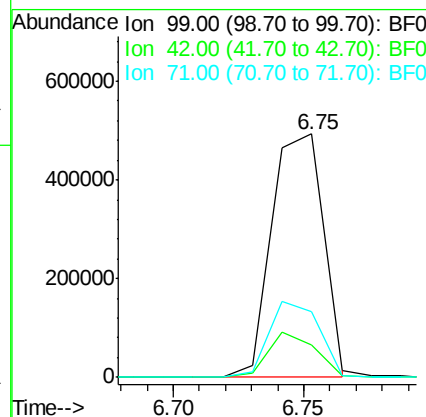
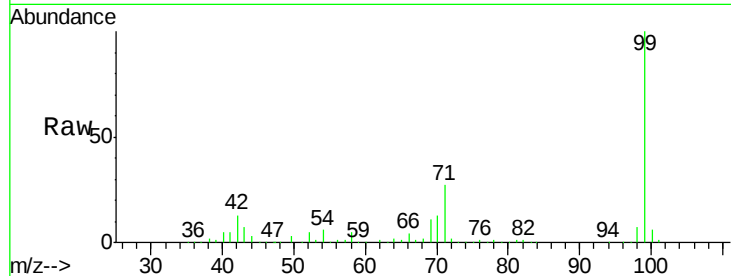
WASTE-1

Tot Ion: 99 Resp: 682837

Ion	Ratio	Lower	Upper
99	100		
42	13.5	17.1	25.7#
71	27.2	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.75 min Scan# 662

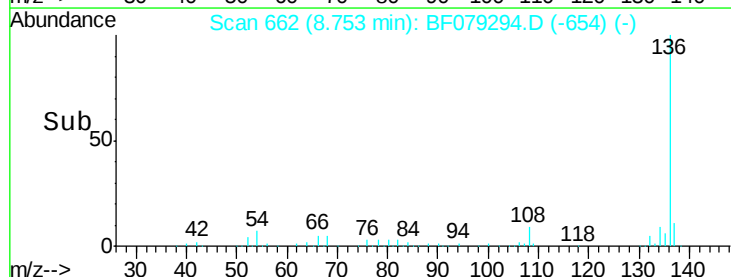
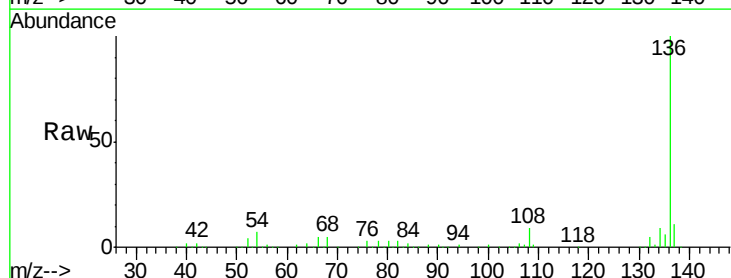
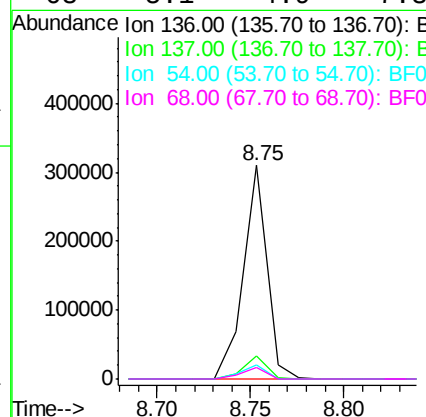
Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Tgt Ion: 136 Resp: 275026

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.7	6.9	10.3#
68	5.1	4.9	7.3





#23

Nitrobenzene-d5

Concen: 85.06 ng

RT: 7.87 min Scan# 585

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

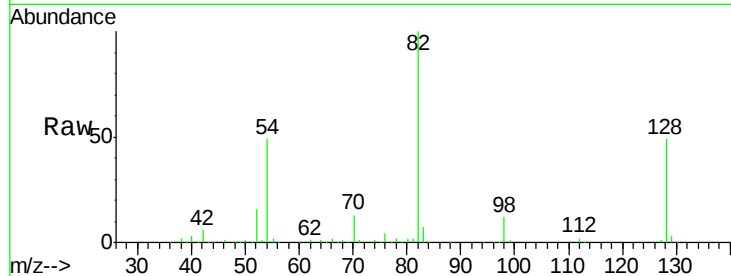
ClientSampleId :

WASTE-1

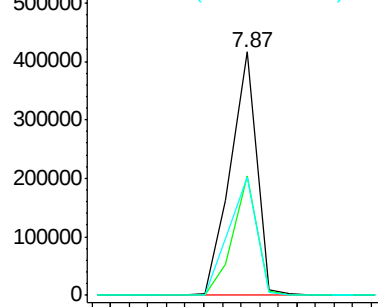
Tot Ion:	82	Resp:	407042
Ion Ratio		Lower	Upper
82	100		
128	48.8	29.7	44.5#
54	48.7	46.2	69.4

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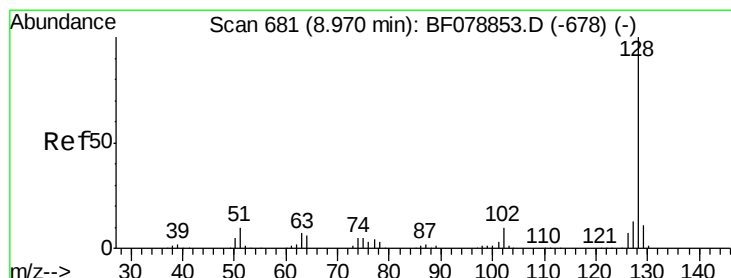
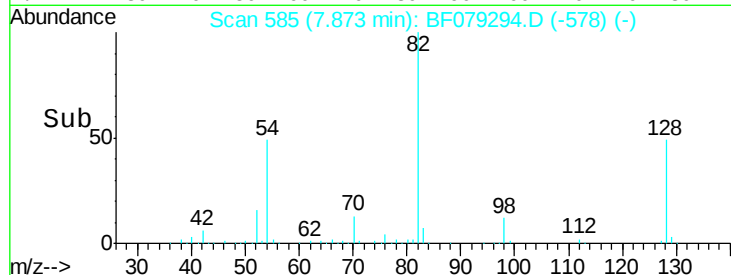
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



Time-->



#31

Naphthalene

Concen: 2.50 ng

RT: 8.78 min Scan# 664

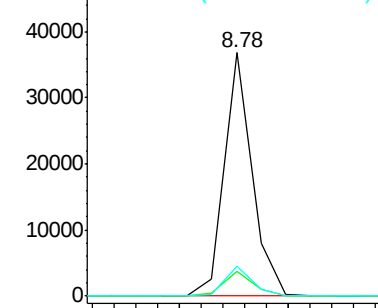
Delta R.T. 0.00 min

Lab File: BF079294.D

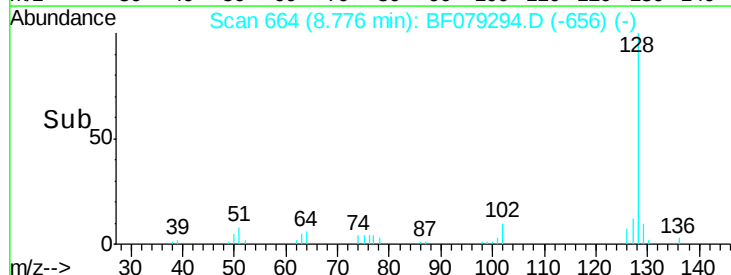
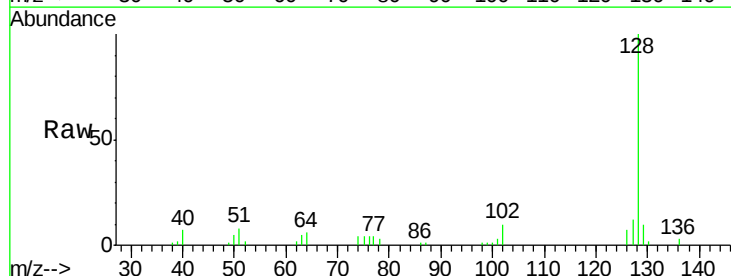
Acq: 16 May 2015 5:19

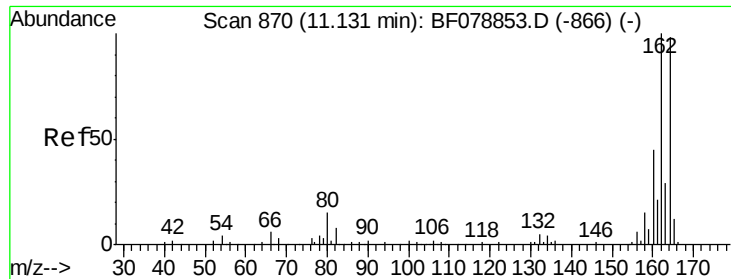
Tgt Ion:	128	Resp:	32775
Ion Ratio		Lower	Upper
128	100		
129	10.1	9.2	13.8
127	12.4	10.3	15.5

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->





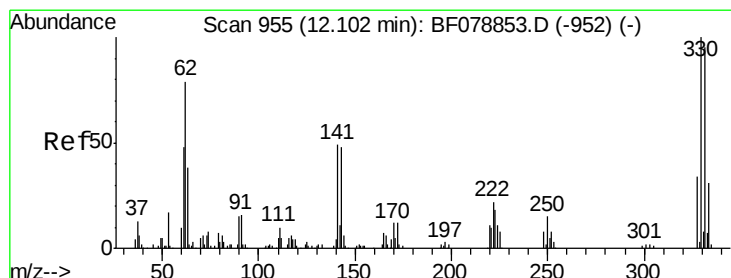
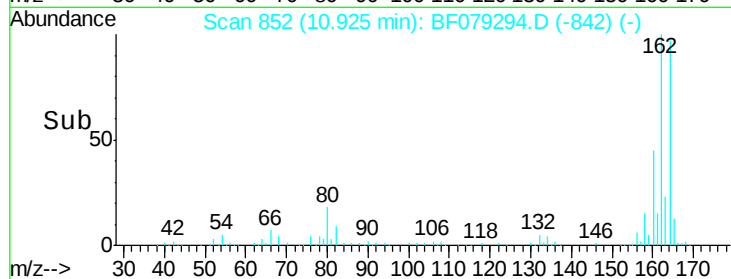
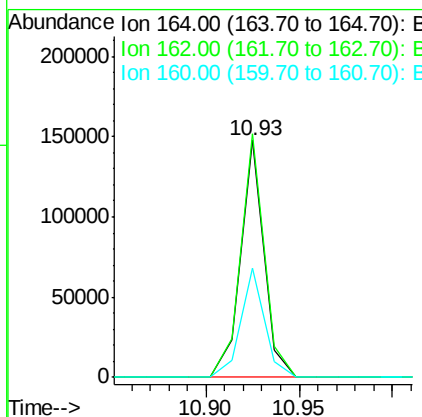
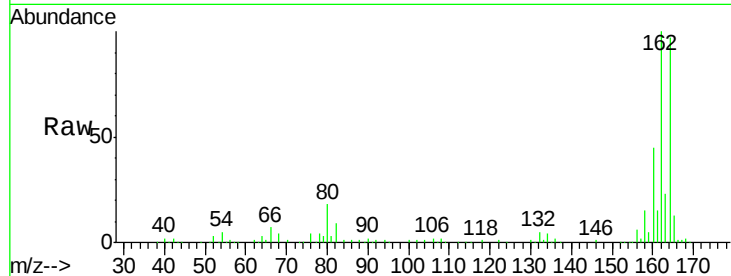
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

Instrument :
BNA_F
ClientSampleId :
WASTE-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	129021		
162	102.9	81.4	122.0	
160	46.2	36.6	54.8	

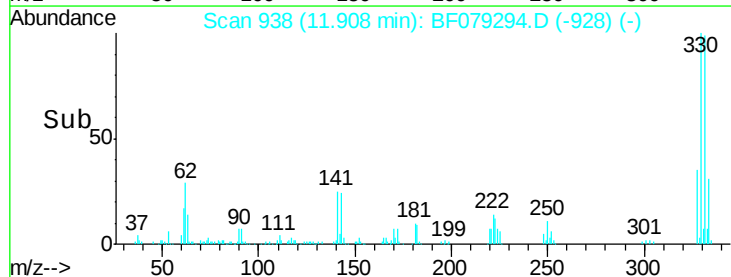
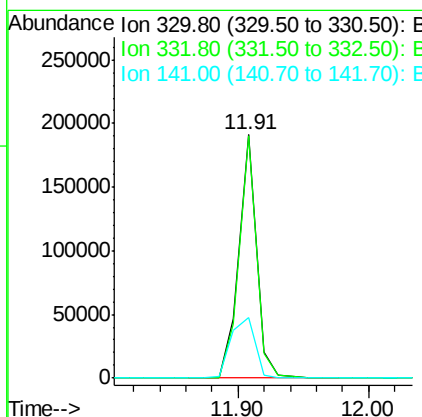
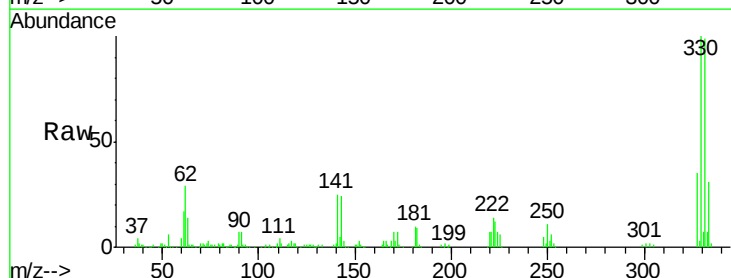
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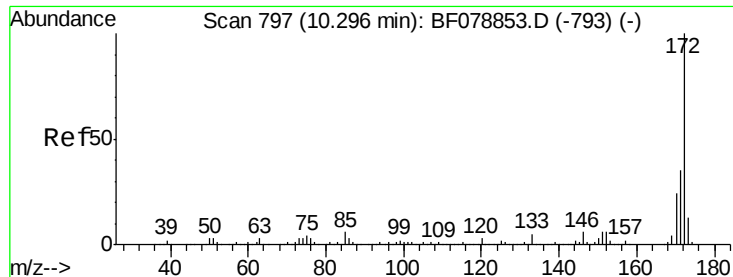
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#41
2,4,6-Tribromophenol
Concen: 128.93 ng
RT: 11.91 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	179963		
332	97.8	76.9	115.3	
141	34.5	27.8	41.8	





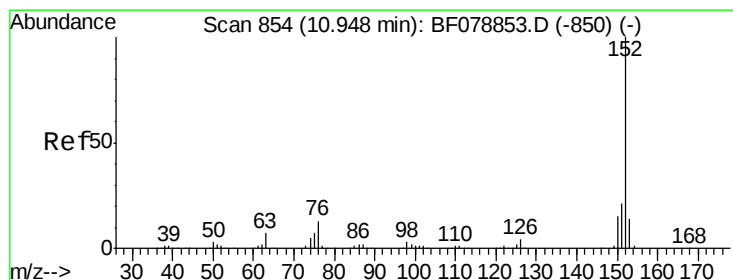
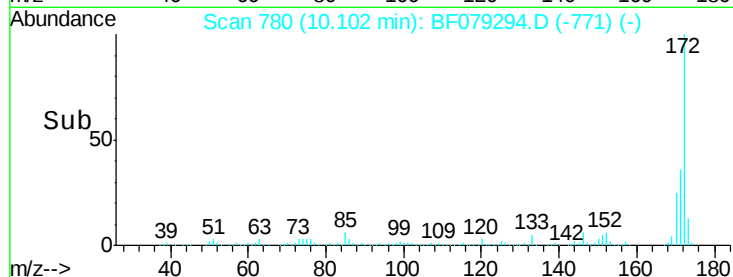
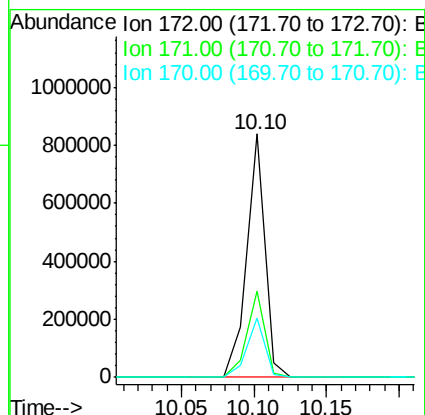
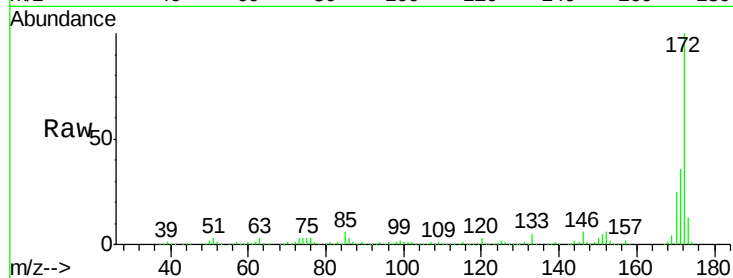
#44
 2-Fluorobiphenyl
 Concen: 79.25 ng
 RT: 10.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

Tot Ion	Ratio	Resp	Lower	Upper
172	100	733937		
171	35.5	28.3	42.5	
170	24.6	19.4	29.2	

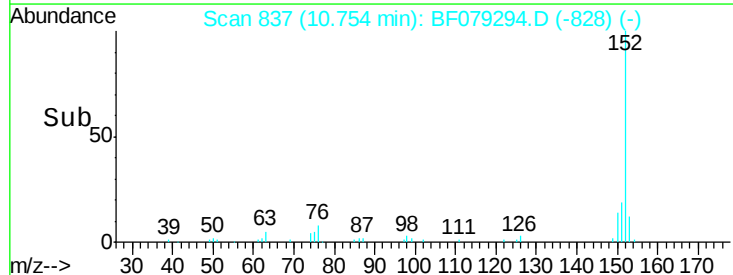
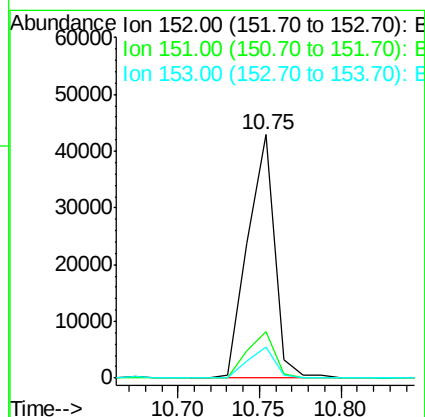
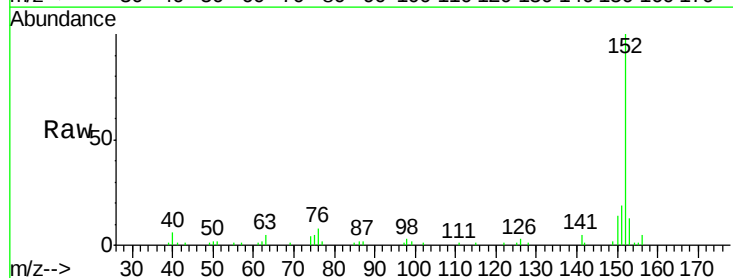
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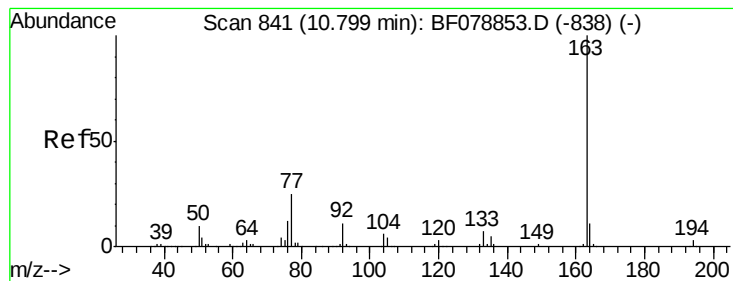
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#48
 Acenaphthylene
 Concen: 3.73 ng
 RT: 10.75 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	48933		
151	18.9	16.6	24.8	
153	12.9	11.0	16.6	





#49

Dimethylphthalate

Concen: 9.44 ng

RT: 10.61 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

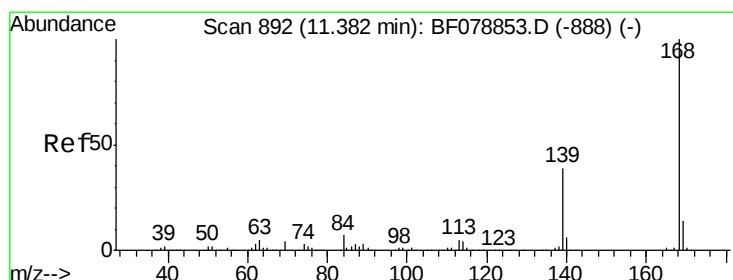
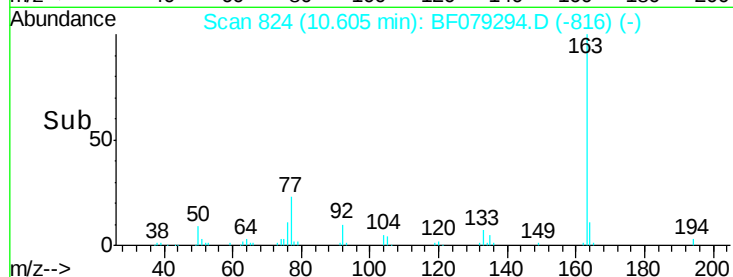
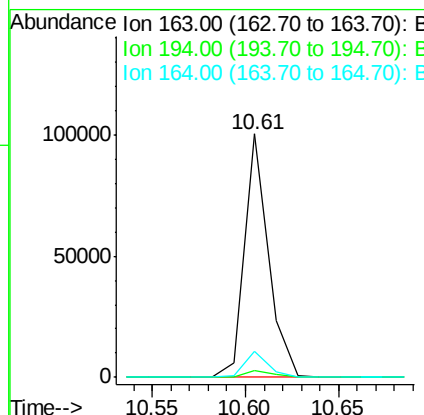
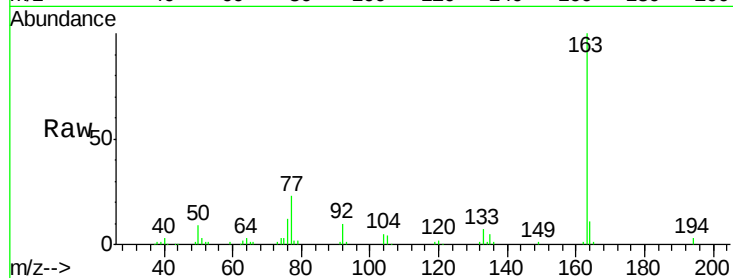
ClientSampleId :

WASTE-1

Tot Ion:	163	Resp:	89423
Ion Ratio	Lower	Upper	
163	100		
194	2.7	2.4	3.6
164	10.5	8.6	12.8

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#54

Dibenzofuran

Concen: 2.71 ng

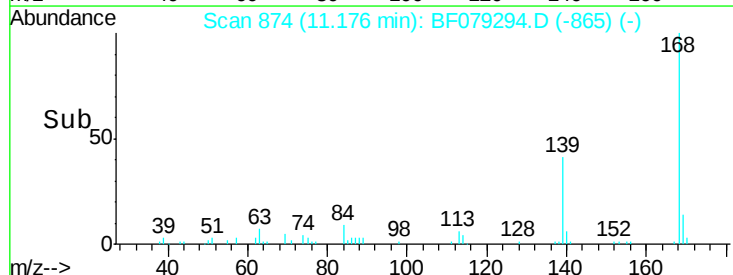
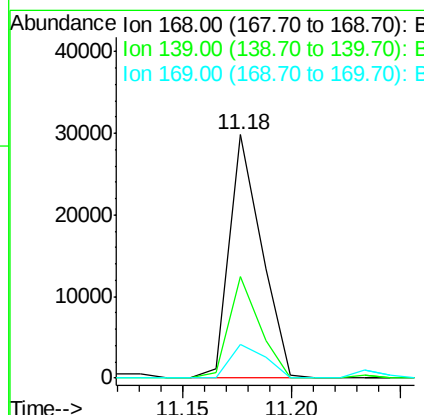
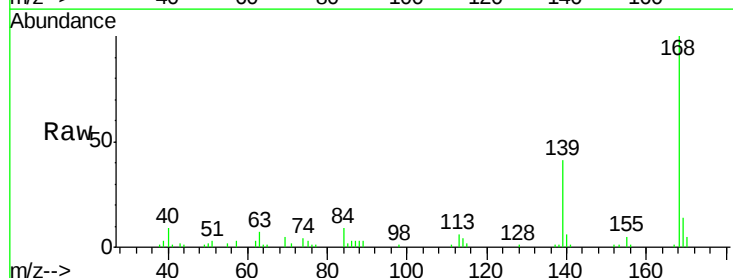
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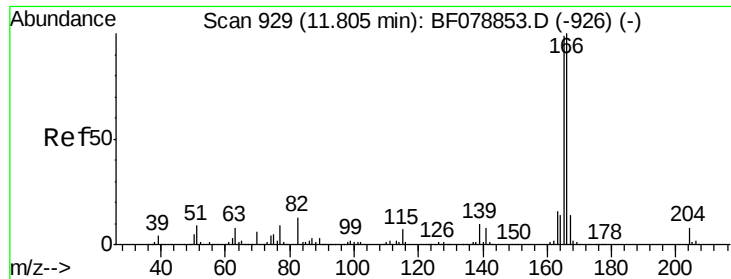
Delta R.T. -0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Tgt Ion:	168	Resp:	30714
Ion Ratio	Lower	Upper	
168	100		
139	41.4	31.5	47.3
169	13.9	11.0	16.4





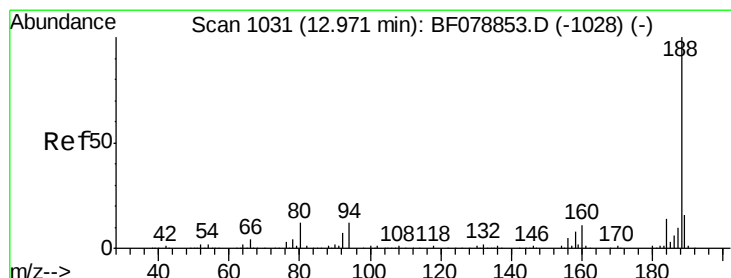
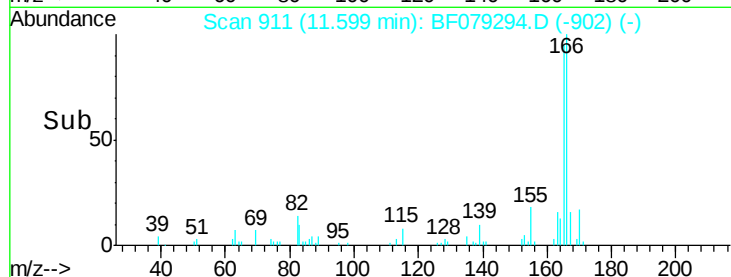
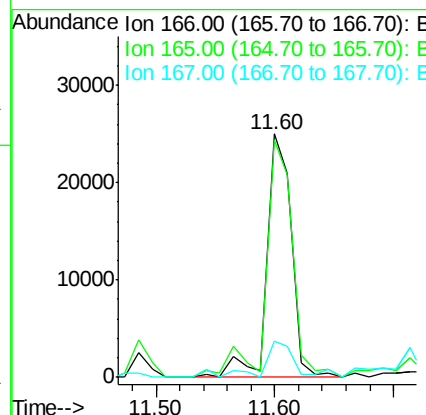
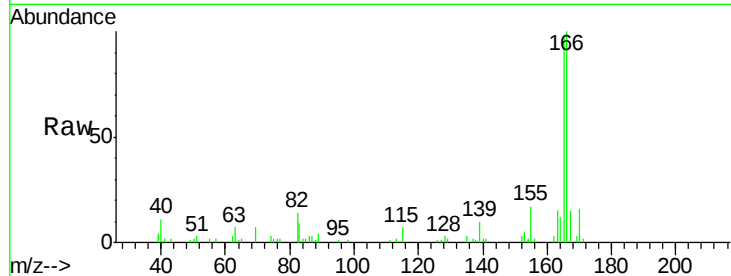
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Fluorene
 Concen: 3.87 ng
 RT: 11.60 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

Tot Ion	Ratio	Resp	Lower	Upper
166	100	35915		
165	97.5	79.5	119.3	
167	15.1	11.0	16.6	

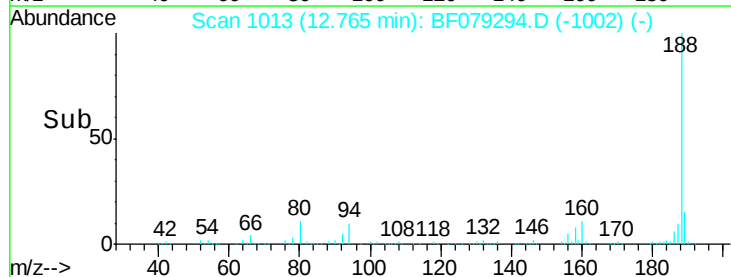
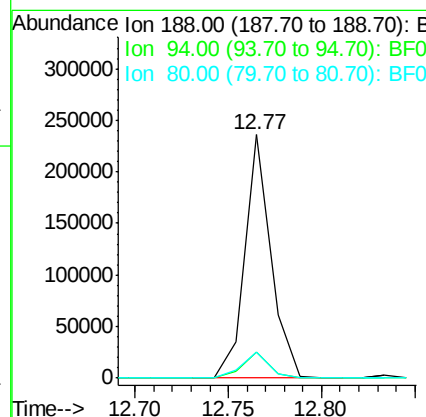
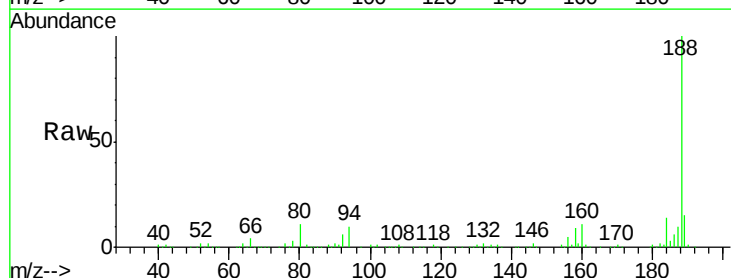
Manual Integrations
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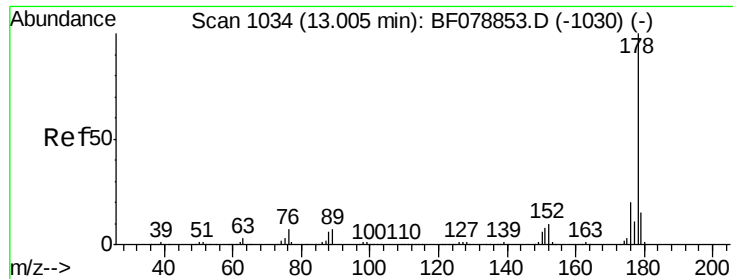
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.77 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	229254		
94	10.5	9.4	14.0	
80	10.9	9.8	14.6	





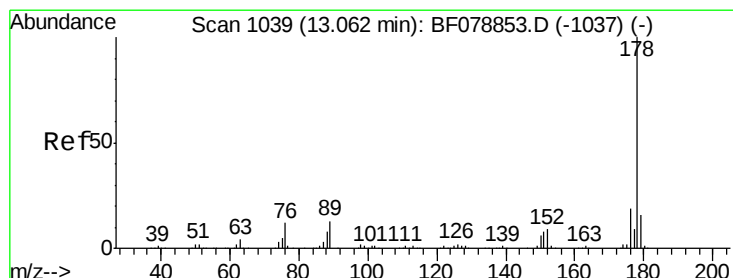
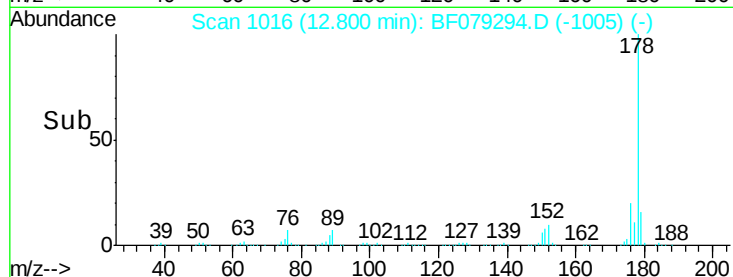
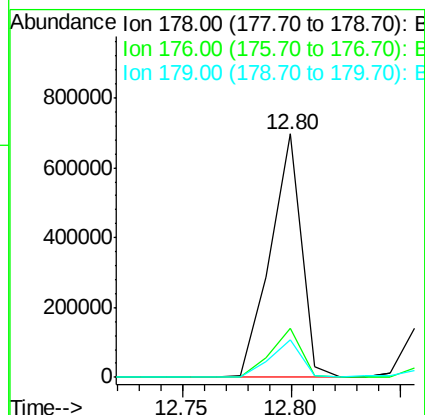
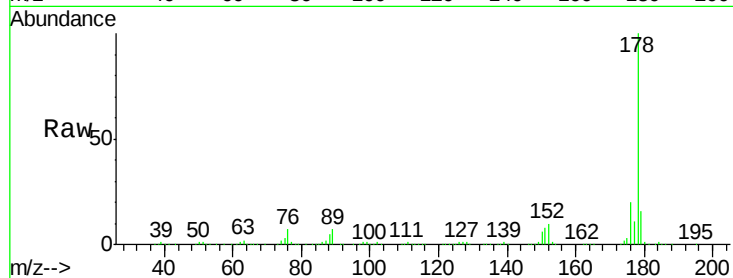
#70
Phenanthrene
Concen: 54.54 ng
RT: 12.80 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

Instrument :
BNA_F
ClientSampleId :
WASTE-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	15.7	12.2	18.4

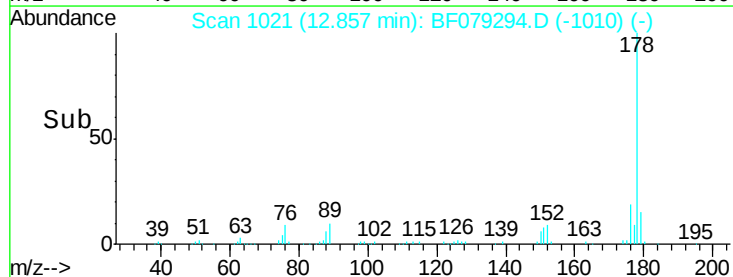
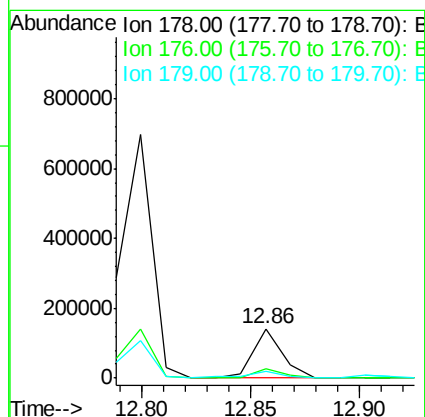
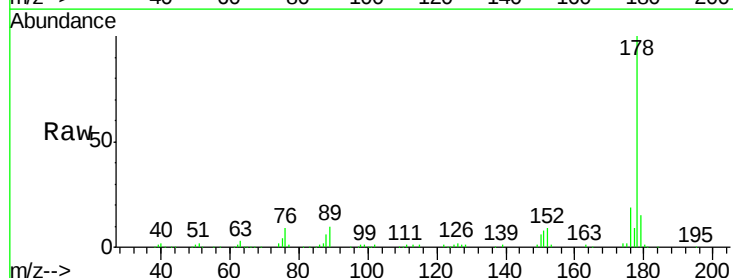
Manual Integrations
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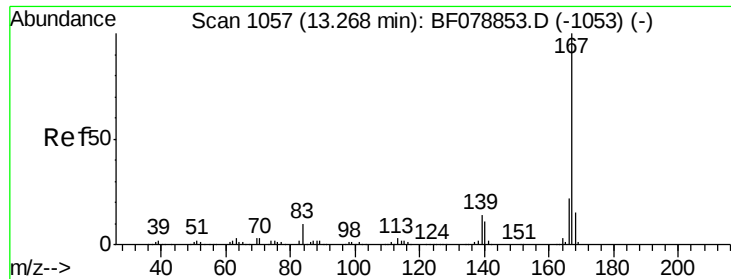
apatel
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#71
Anthracene
Concen: 10.52 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	14.8	12.6	19.0





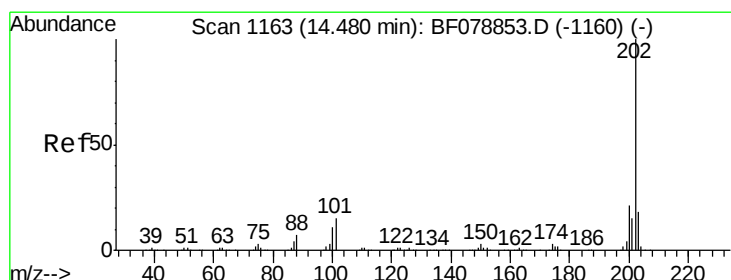
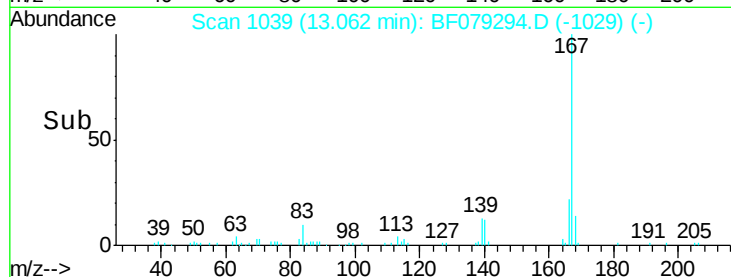
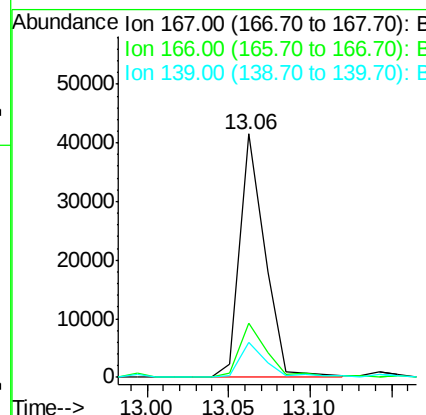
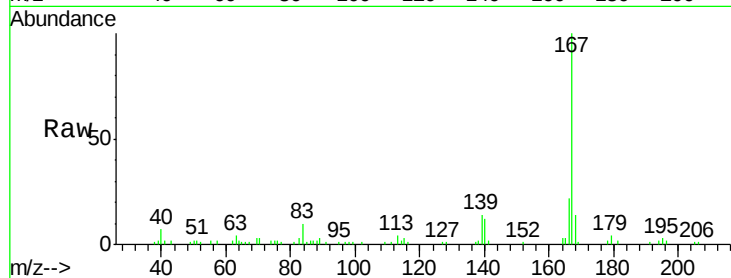
#72
 Carbazole
 Concen: 3.66 ng
 RT: 13.06 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

Tot Ion:	167	Resp:	43949
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.5	26.3
139	14.3	11.0	16.4

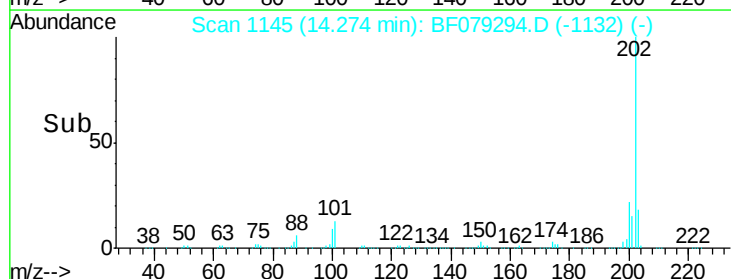
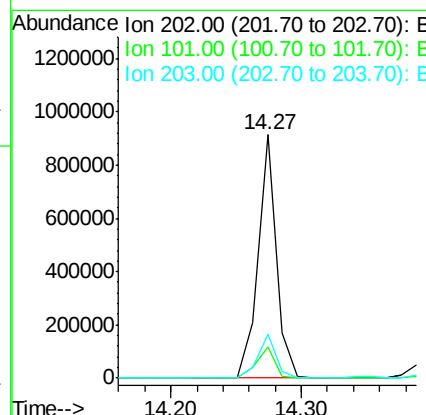
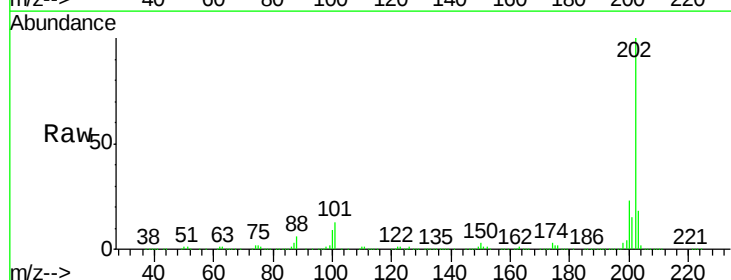
Manual Integrations
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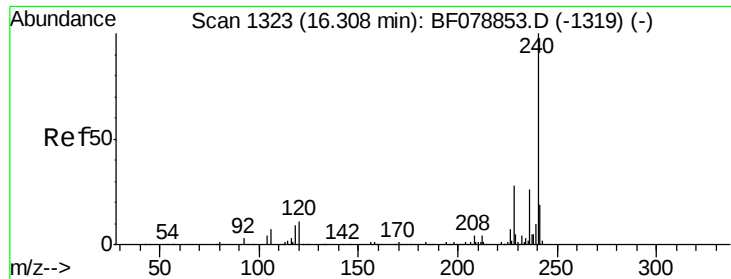
apatel
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#74
 Fluoranthene
 Concen: 66.90 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion:	202	Resp:	894049
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	34.7
203	18.2	0.0	37.9





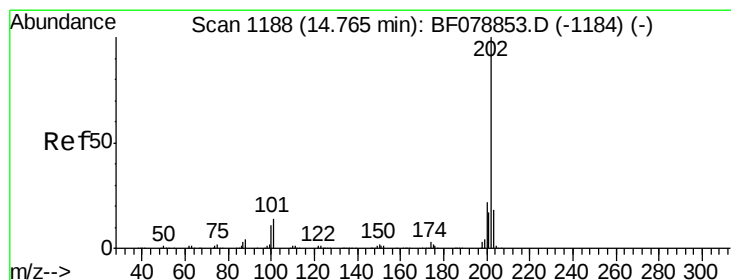
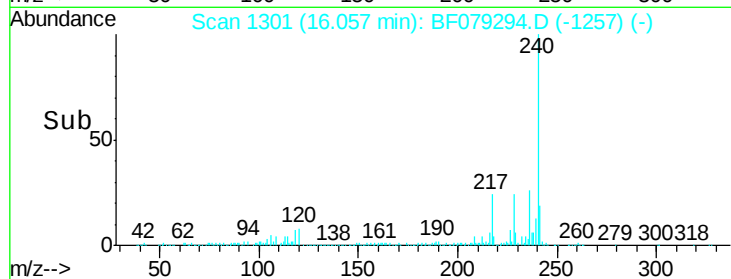
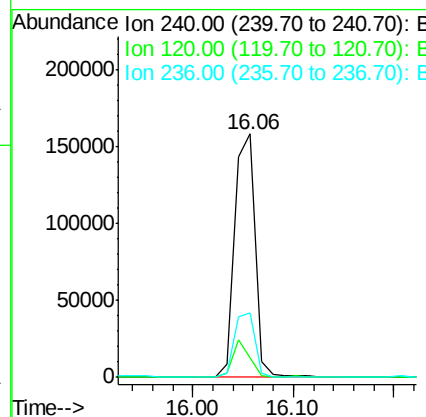
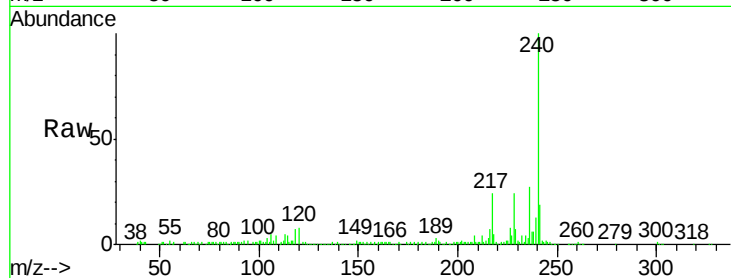
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.06 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

Instrument :
BNA_F
ClientSampleId :
WASTE-1

Tot Ion	Ratio	Resp	Lower	Upper
240	100	224694		
120	8.3	8.6	12.8	
236	26.6	21.0	31.6	

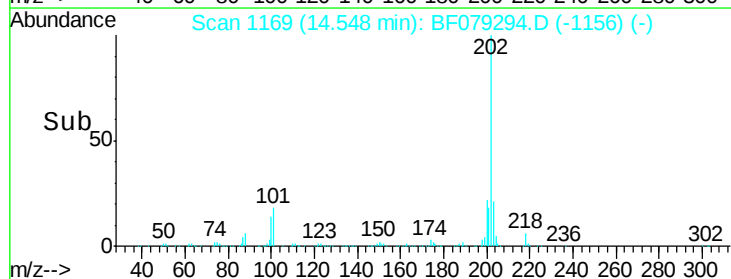
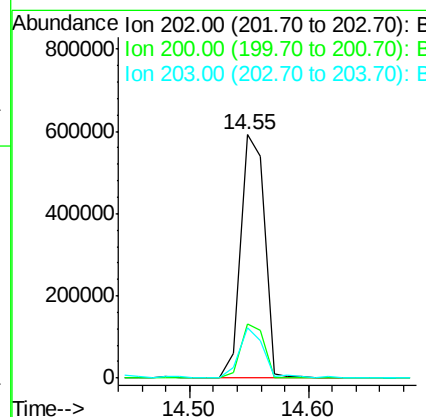
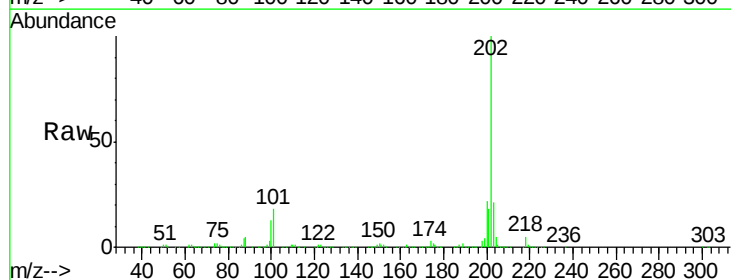
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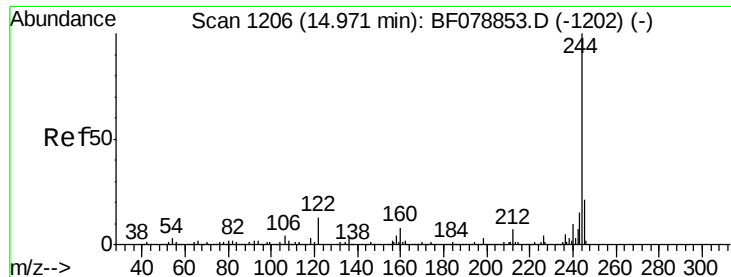
apatel
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#77
Pyrene
Concen: 64.19 ng
RT: 14.55 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	831153		
200	22.1	17.5	26.3	
203	20.8	14.7	22.1	





#78

Terphenyl-d14

Concen: 69.76 ng

RT: 14.77 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

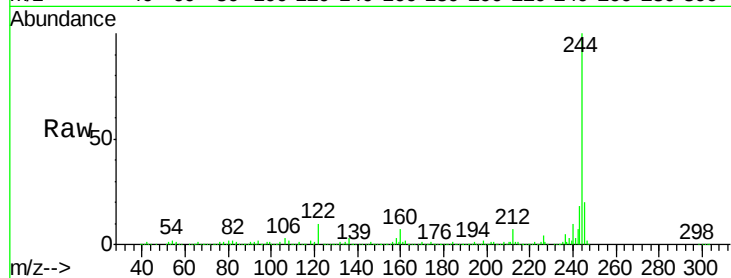
ClientSampleId :

WASTE-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.4	10.5	15.7

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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

14.77

800000

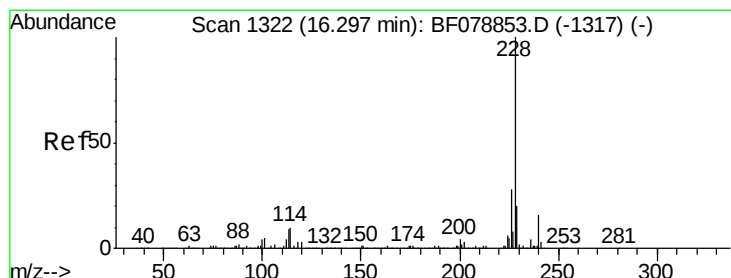
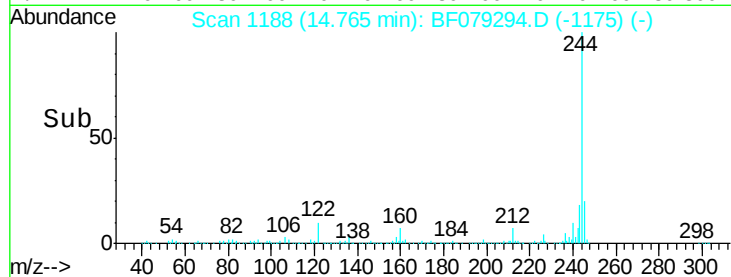
600000

400000

200000

0

Time-->



#80

Benzo(a)anthracene

Concen: 32.40 ng m

RT: 16.03 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.3	33.5
229	21.0	16.1	24.1

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

16.03

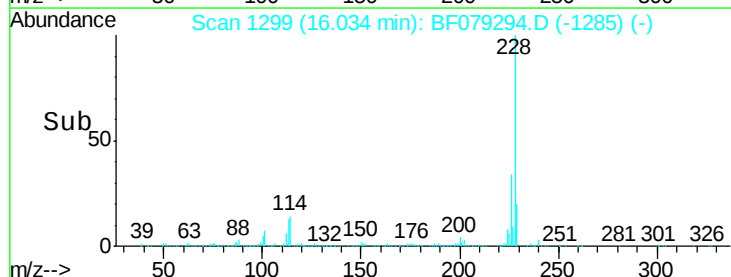
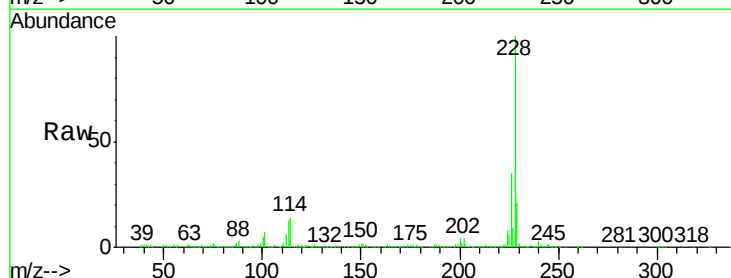
300000

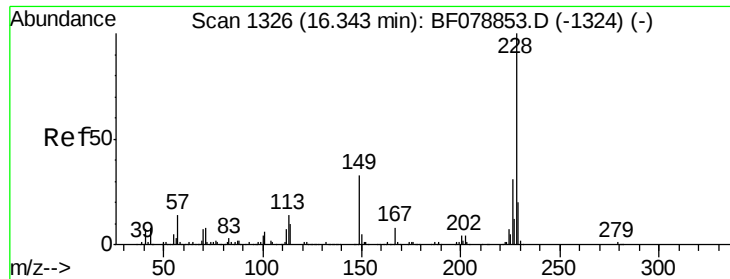
200000

100000

0

Time-->





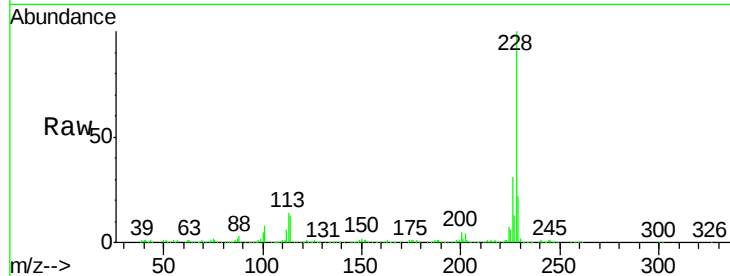
#82
 Chrysene
 Concen: 30.25 ng
 RT: 16.08 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-1

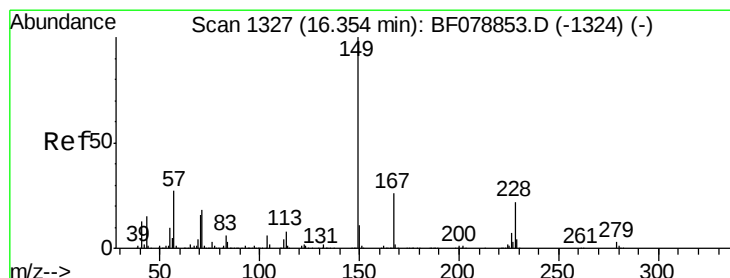
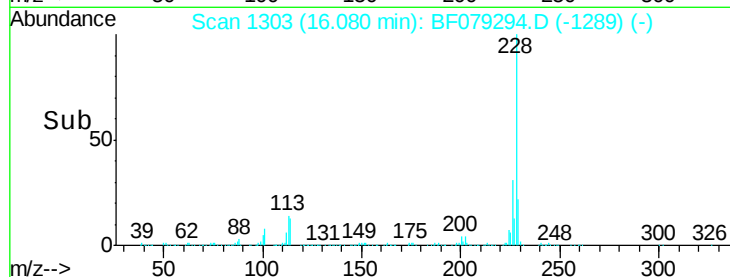
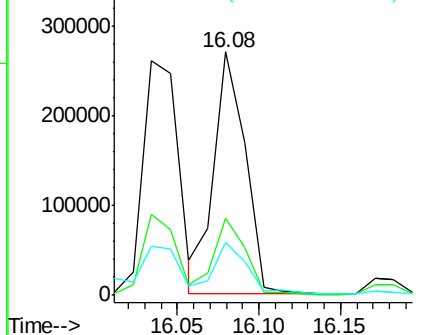
Tot Ion	Ratio	Resp	Lower	Upper
228	100	357942		
226	31.5	24.8	37.2	
229	21.8	16.1	24.1	

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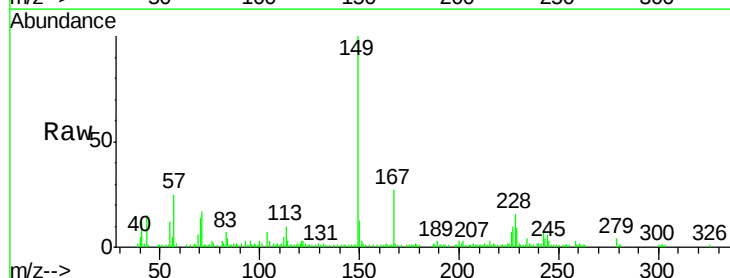


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

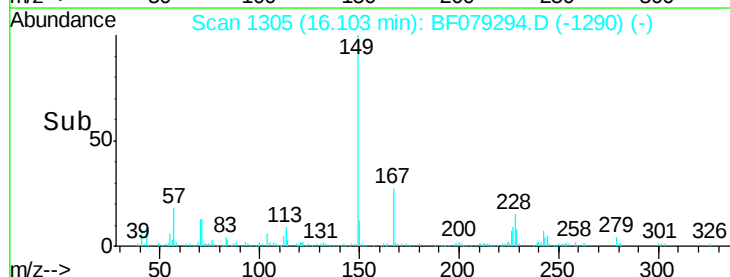
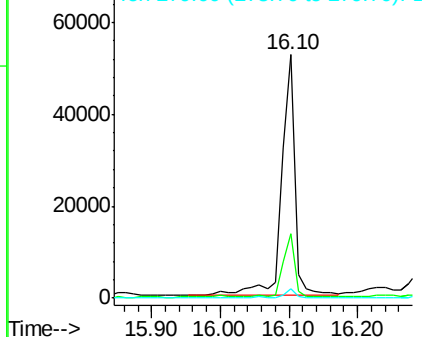


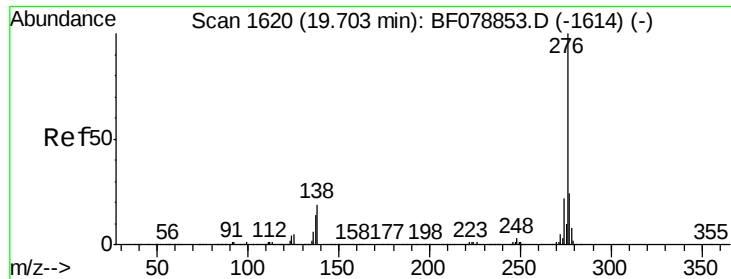
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.32 ng
 RT: 16.10 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF079294.D
 Acq: 16 May 2015 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	71351		
167	26.7	21.2	31.8	
279	3.8	2.6	4.0	



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 12.83 ng

RT: 19.15 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

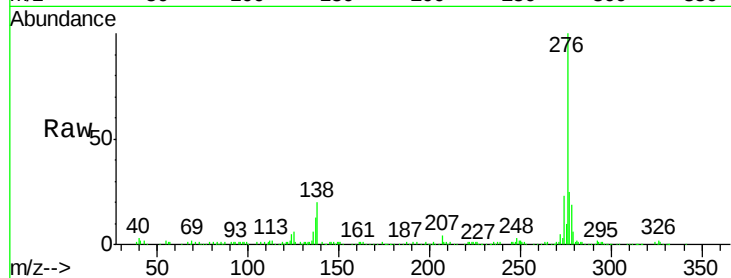
ClientSampleId :

WASTE-1

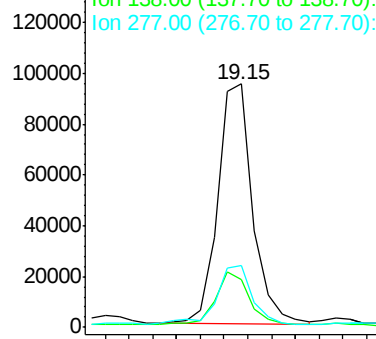
Tot Ion:	276	Resp:	193523
Ion Ratio		Lower	Upper
276	100		
138	21.9	21.1	31.7
277	26.2	19.9	29.9

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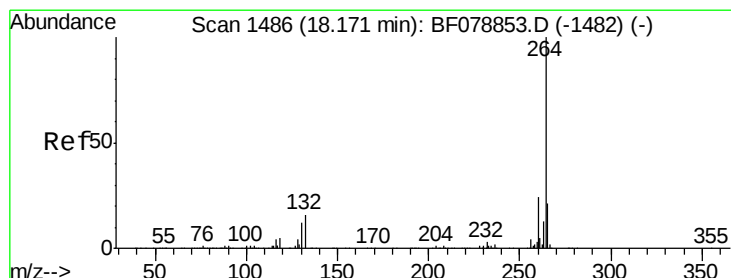
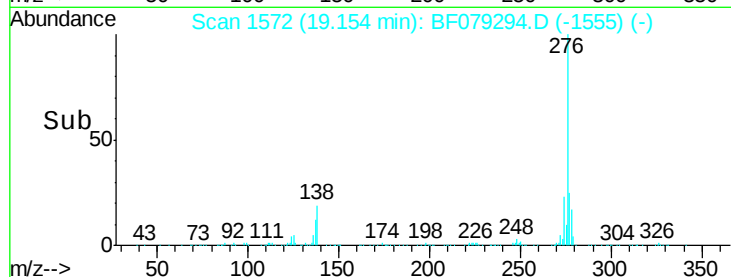
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

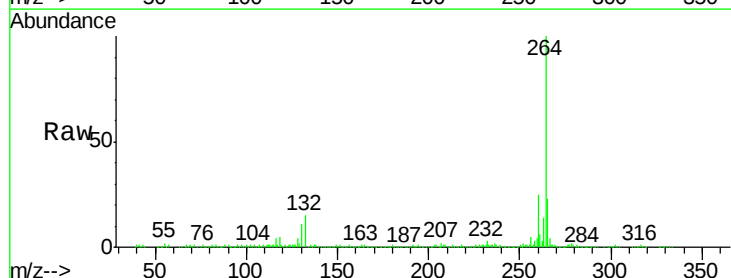
RT: 17.76 min Scan# 1450

Delta R.T. 0.00 min

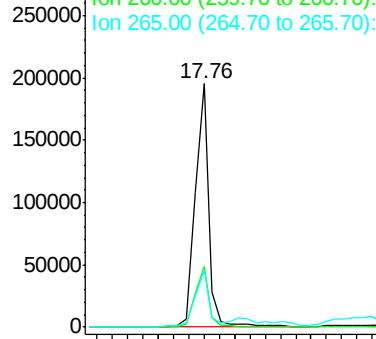
Lab File: BF079294.D

Acq: 16 May 2015 5:19

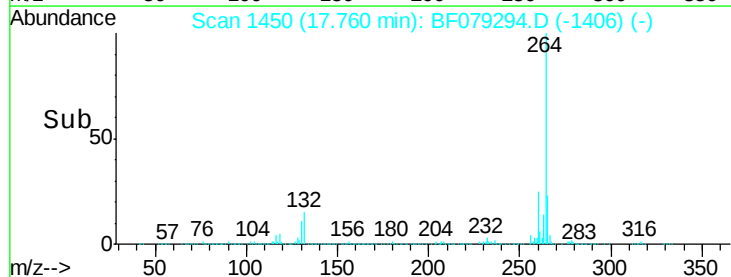
Tgt Ion:	264	Resp:	246065
Ion Ratio		Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.1	17.2	25.8

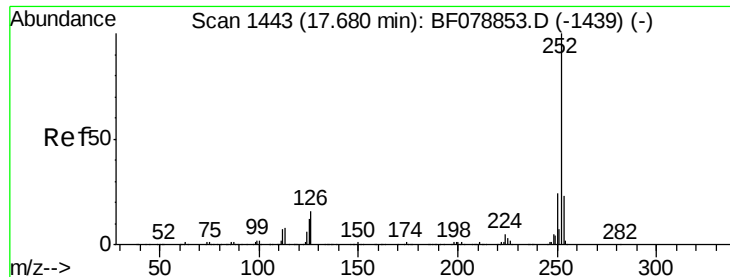


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 31.51 ng m

RT: 17.33 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Instrument :

BNA_F

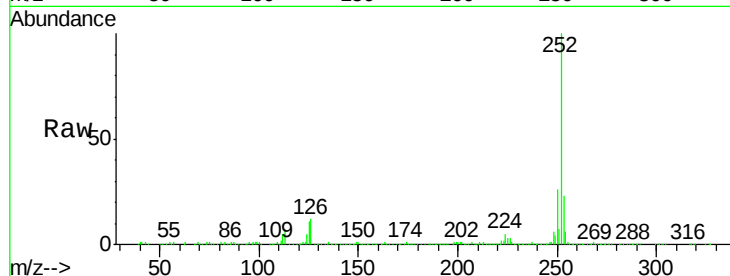
ClientSampleId :

WASTE-1

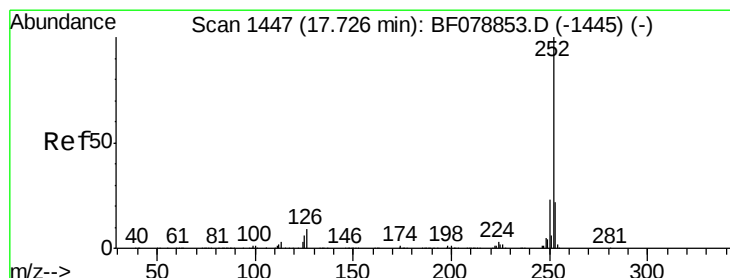
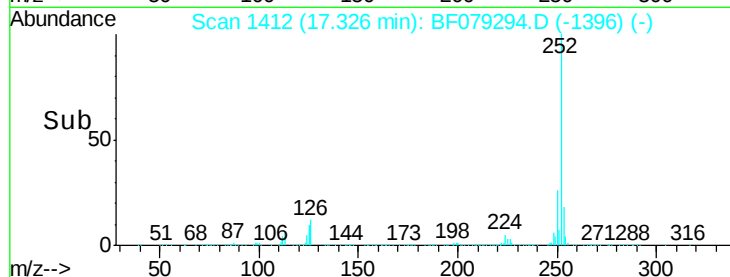
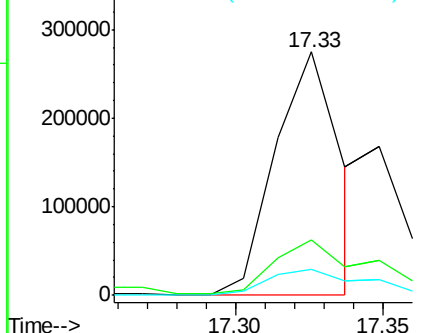
Tot Ion:	252	Resp:	424327
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	10.7	9.4	14.2

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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



#88

Benzo(k)fluoranthene

Concen: 12.74 ng m

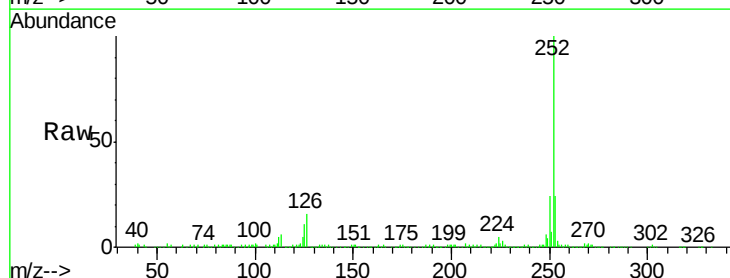
RT: 17.35 min Scan# 1414

Delta R.T. -0.01 min

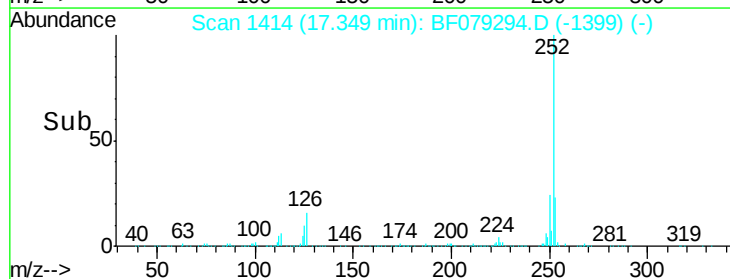
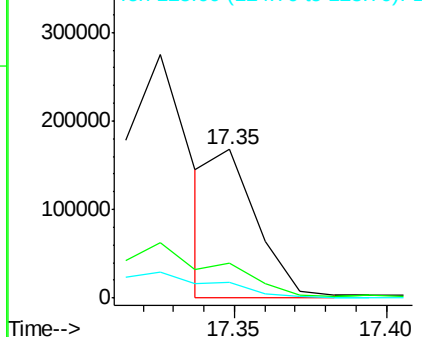
Lab File: BF079294.D

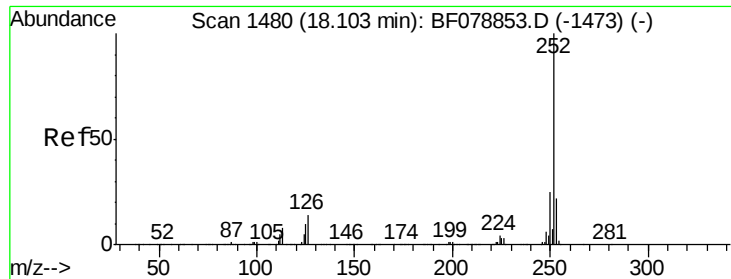
Acq: 16 May 2015 5:19

Tgt Ion:	252	Resp:	166148
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.4	26.0
125	10.6	6.1	9.1#



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





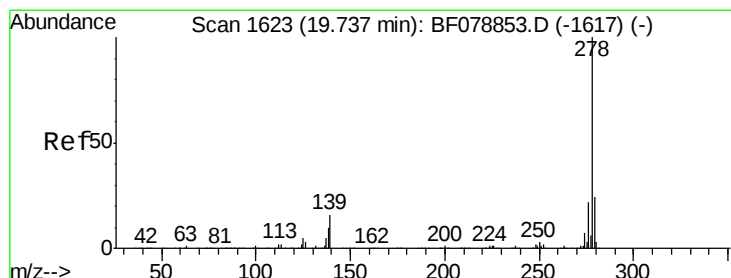
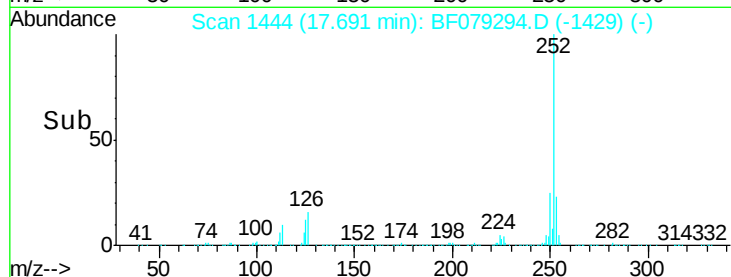
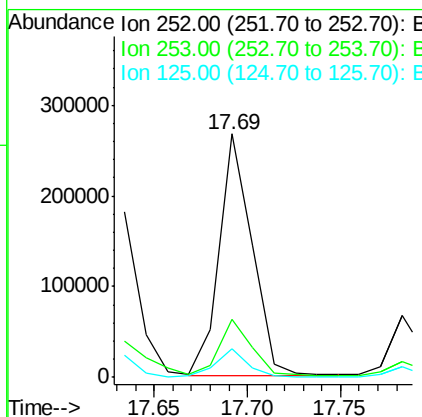
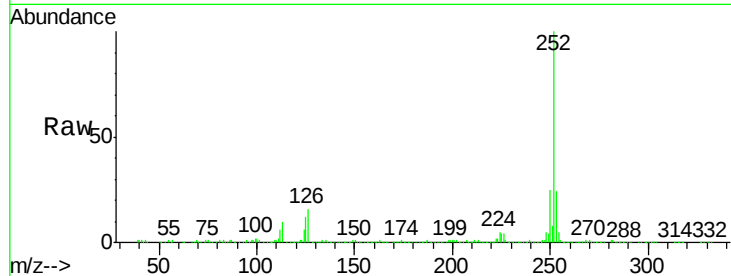
#89
Benzo(a)pyrene
Concen: 26.59 ng
RT: 17.69 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

Instrument :
BNA_F
ClientSampleId :
WASTE-1

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.9	18.0	27.0	
125	11.8	8.2	12.2	

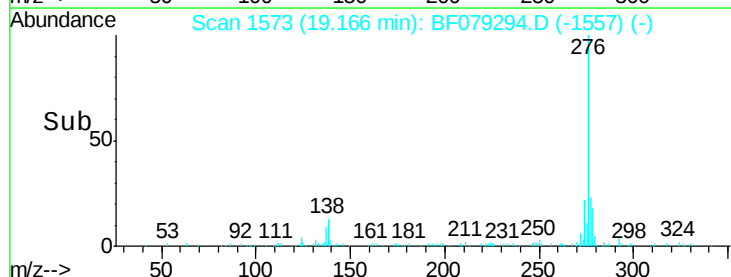
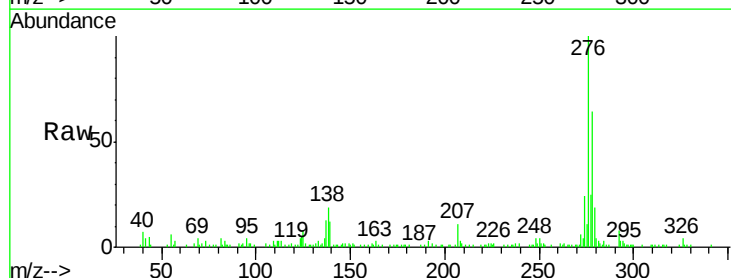
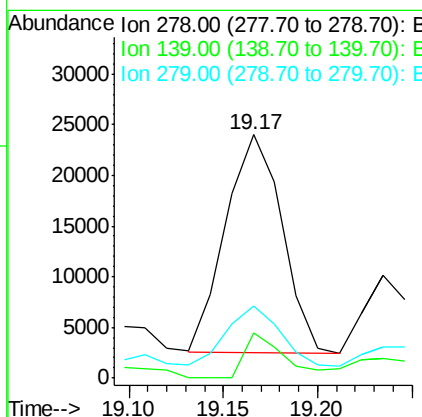
Manual Integrations
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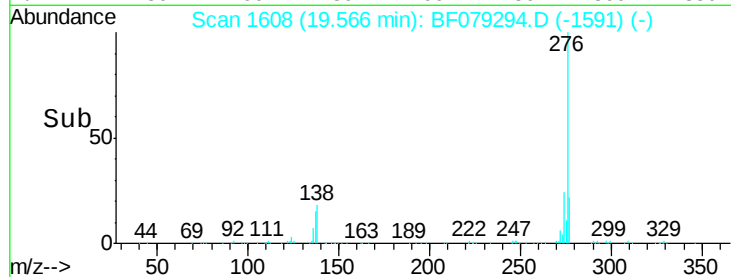
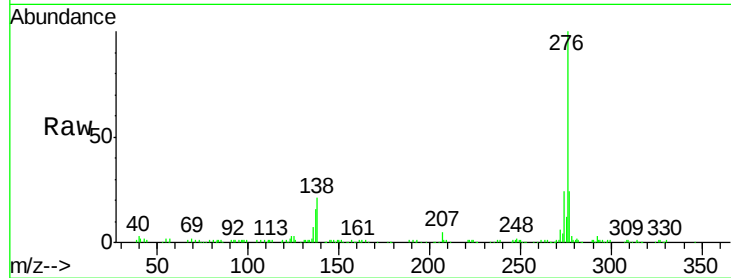
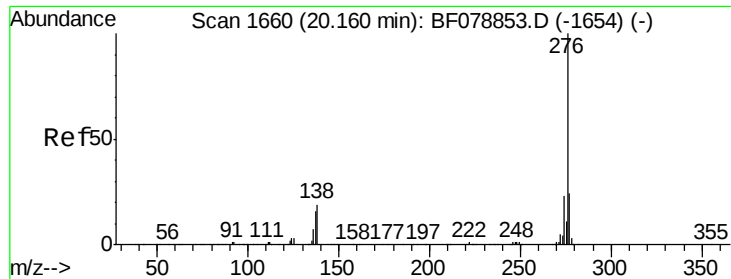
apatel
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#90
Dibenzo(a,h)anthracene
Concen: 3.43 ng m
RT: 19.17 min Scan# 1573
Delta R.T. -0.02 min
Lab File: BF079294.D
Acq: 16 May 2015 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	18.5	13.1	19.7	
279	29.5	19.1	28.7#	





#91

Benzo(a,h,i)perylene

Concen: 13.46 ng

RT: 19.57 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF079294.D

Acq: 16 May 2015 5:19

Tot Ion:	276	Resp:	177772
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.8	28.2
138	20.8	15.2	22.8

Instrument :

BNA_F

ClientSampleId :

WASTE-1

Manual Integrations
APPROVED

apatel
5/18/2015 3:41:47 PM

