

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021715\
 Data File : BF077332.D
 Acq On : 18 Feb 2015 00:17
 Operator : TP/IZ
 Sample : G1295-02
 Misc : DOD/S
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-062-21115

Manual Integrations
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Quant Time: Feb 18 10:44:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 09:51:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	65128	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	271973	20.00	ng	0.00
38) Acenaphthene-d10	11.13	164	122988	20.00	ng	-0.01
63) Phenanthrene-d10	12.99	188	235511	20.00	ng	0.01
75) Chrysene-d12	16.27	240	246880	20.00	ng	0.00
86) Perylene-d12	17.99	264	252463	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	374367	98.23	ng	0.01
7) Phenol-d6	6.92	99	534942	107.45	ng	0.00
23) Nitrobenzene-d5	8.06	82	277704	70.71	ng	0.00
41) 2,4,6-Tribromophenol	12.11	330	130309	113.90	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	701100	85.94	ng	0.00
78) Terphenyl-d14	14.98	244	738744	68.03	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.93	94	17585	3.04	ng	92
20) 3+4-Methylphenols	7.88	107	25640	5.53	ng	# 51
27) 2,4-Dimethylphenol	8.54	122	28201	6.99	ng	93
31) Naphthalene	9.00	128	5260755	386.58	ng	# 92
37) 2-Methylnaphthalene	9.85	142	1142444	116.72	ng	98
45) 1,1'-Biphenyl	10.42	154	176313	17.98	ng	98
49) Dimethylphthalate	10.81	163	28220	3.33	ng	# 98
51) Acenaphthene	11.17	154	252771	35.46	ng	98
54) Dibenzofuran	11.39	168	590191	54.58	ng	99
57) Fluorene	11.82	166	1155531	136.19	ng	99
70) Phenanthrene	13.03	178	2417380	176.64	ng	96
71) Anthracene	13.09	178	2023686	148.71	ng	97
72) Carbazole	13.30	167	2115542	176.82	ng	97
74) Fluoranthene	14.50	202	549981	39.80	ng	99
77) Pyrene	14.79	202	378143	24.78	ng	100
80) Benzo(a)anthracene	16.26	228	132555	9.22	ng	97
82) Chrysene	16.31	228	341701	25.14	ng	99
87) Benzo(b)fluoranthene	17.54	252	61944m	3.82	ng	
89) Benzo(a)pyrene	17.92	252	37219	2.63	ng	# 84

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

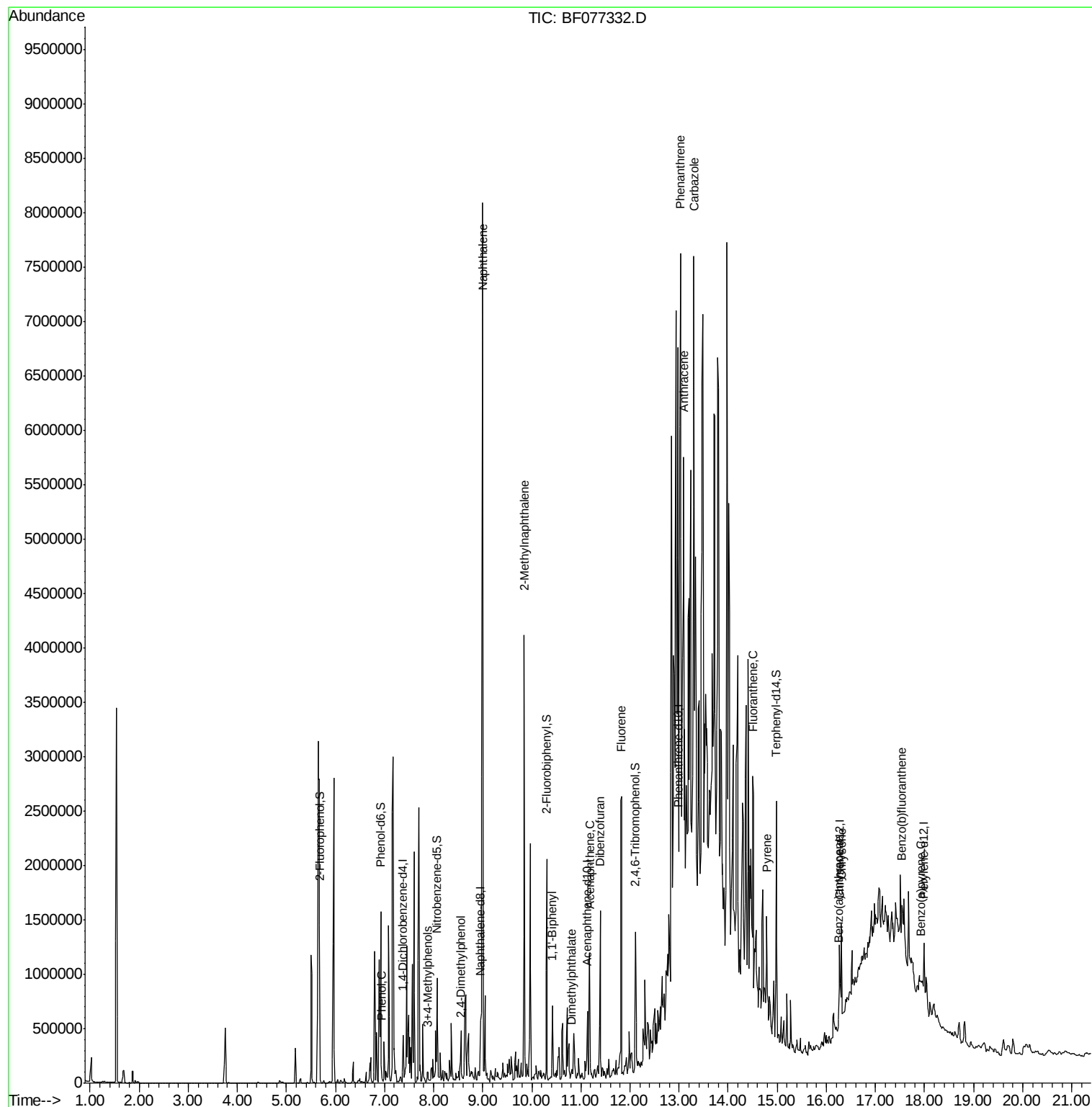
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021715\
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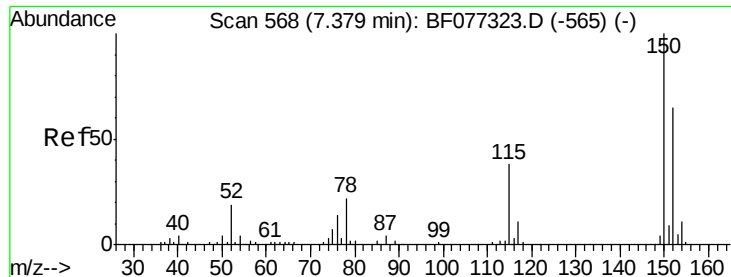
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021715.M
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#1

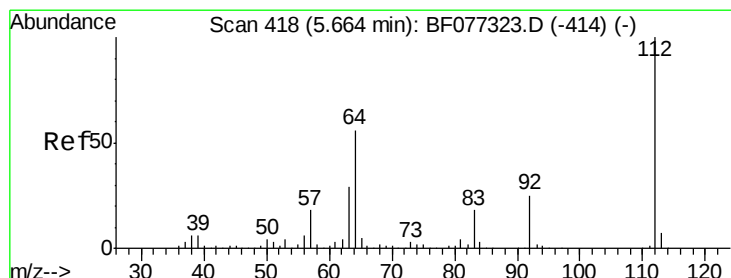
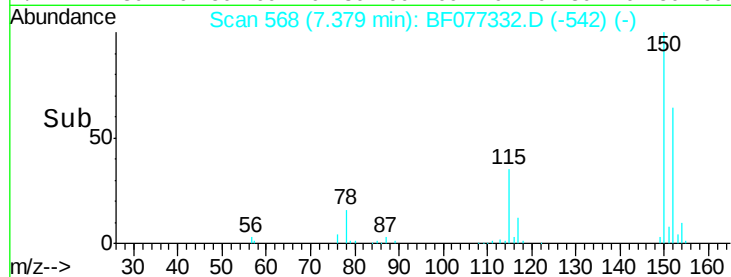
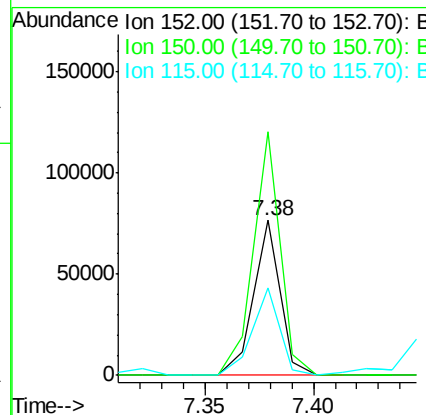
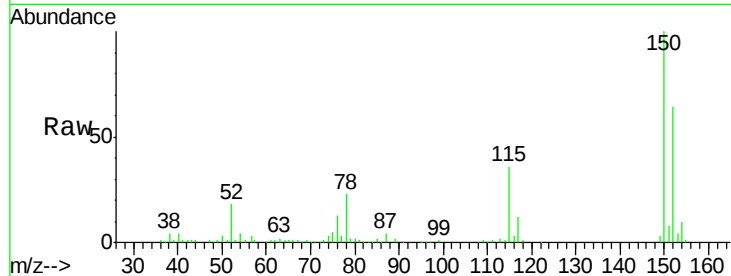
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.1	184.7
115	56.1	46.2	69.4

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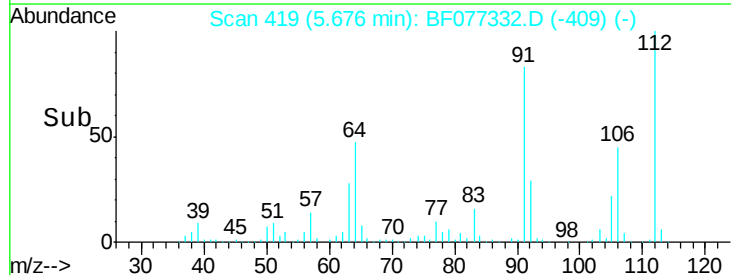
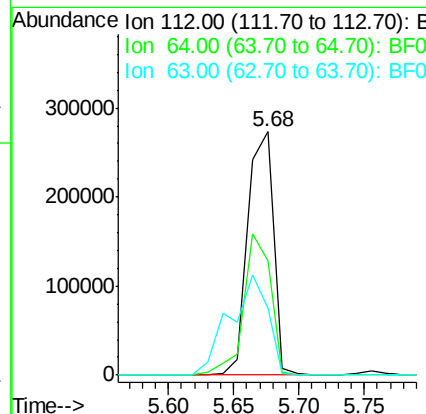
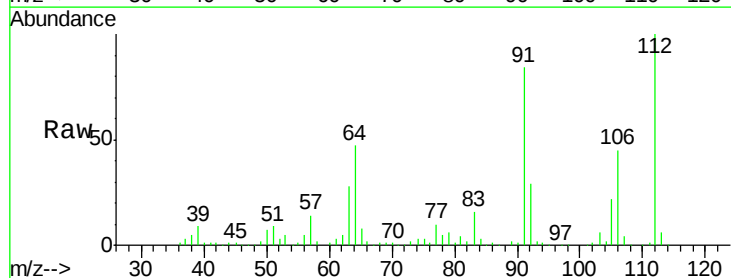
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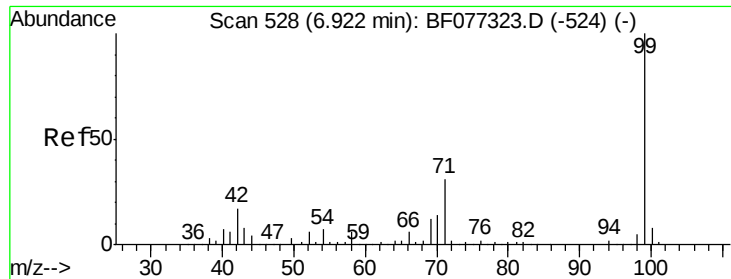


#5

2-Fluorophenol
Concen: 98.23 ng
RT: 5.68 min Scan# 419
Delta R.T. 0.01 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.2	44.7	67.1
63	27.7	23.3	34.9





#7

Phenol-d6

Concen: 107.45 ng

RT: 6.92 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF077332.D

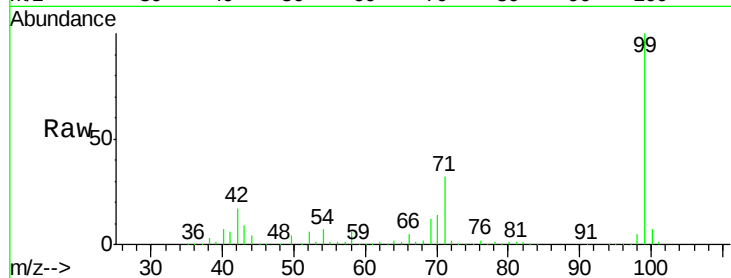
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Instrument :

BNA_F

ClientSampleId :

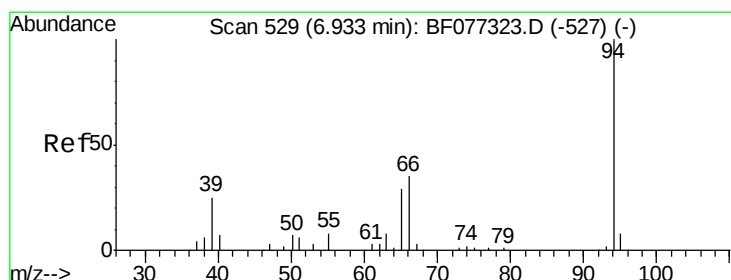
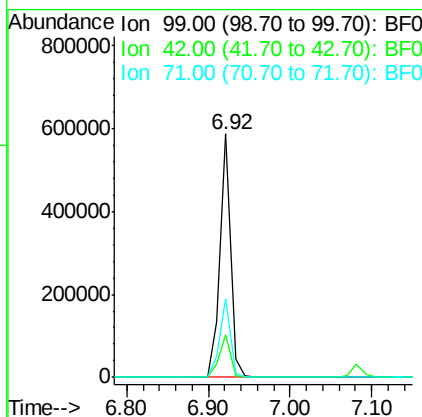
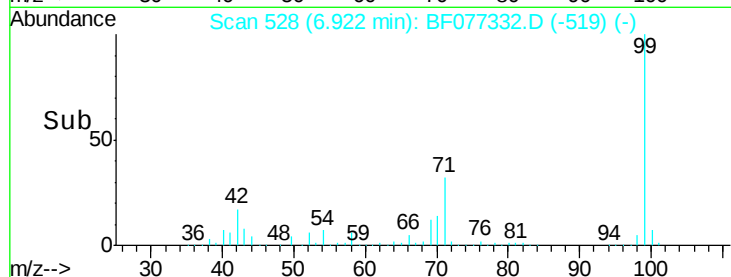
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Tgt Ion:	99	Resp:	534942
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.8	20.6
71	32.0	24.6	37.0

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#10

Phenol

Concen: 3.04 ng

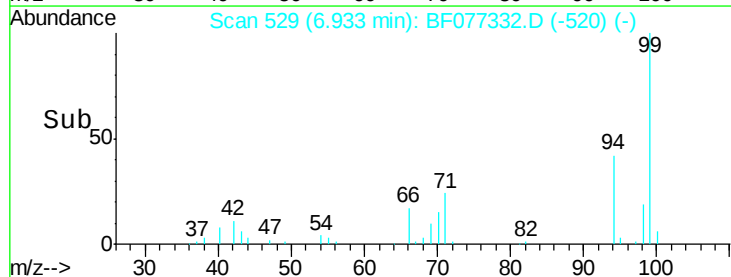
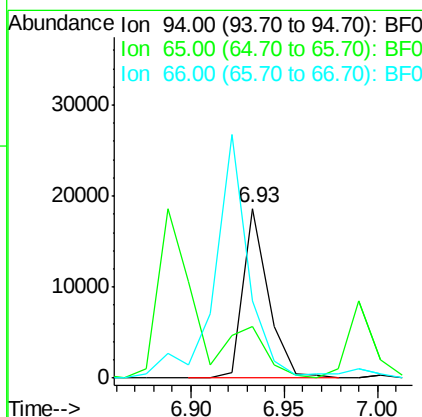
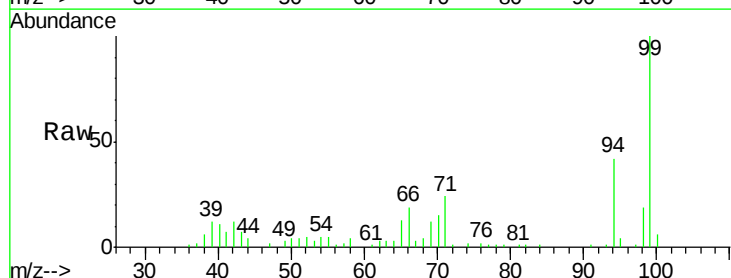
RT: 6.93 min Scan# 529

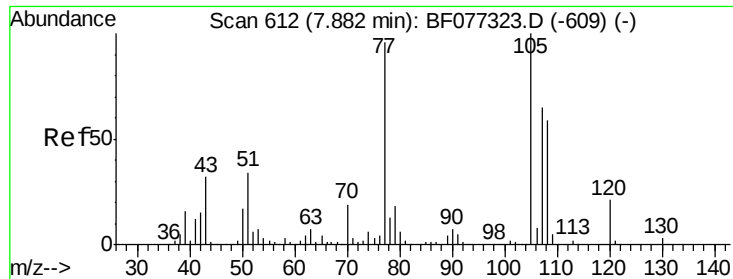
Delta R.T. -0.00 min

Lab File: BF077332.D

Acq: 18 Feb 2015 00:17

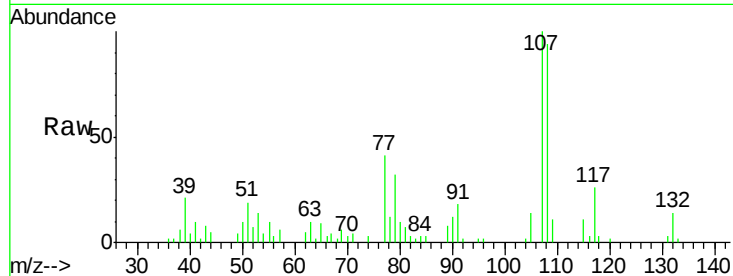
Tgt Ion:	94	Resp:	17585
Ion Ratio	Lower	Upper	
94	100		
65	30.3	9.3	49.3
66	45.8	18.3	58.3





#20
3+4-Methylphenols
Concen: 5.53 ng
RT: 7.88 min Scan# 612
Delta R.T. -0.00 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

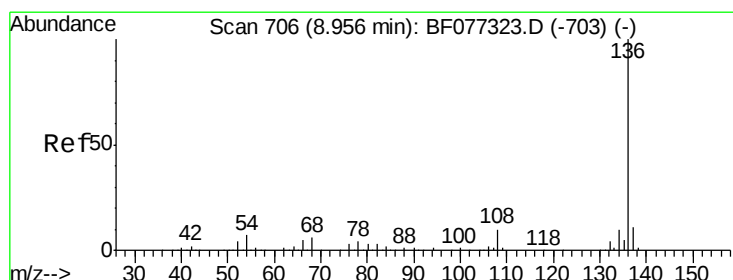
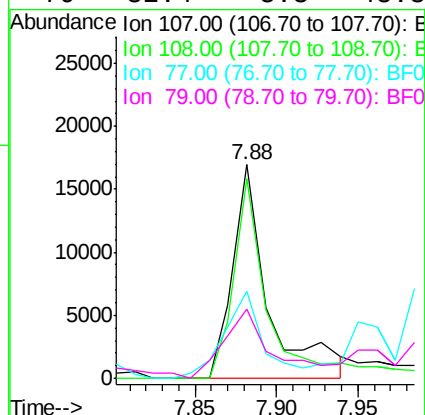
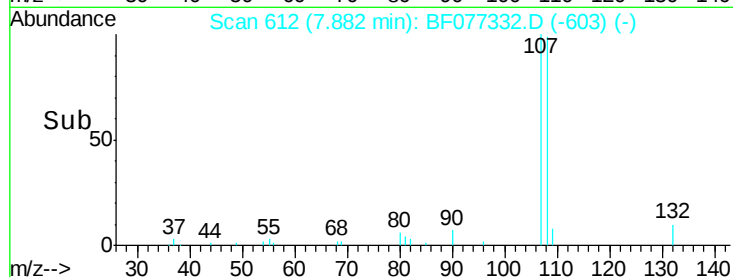
Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	25640		
108	93.5	70.6	110.6	
77	40.6	126.5	166.5	#
79	32.4	8.3	48.3	

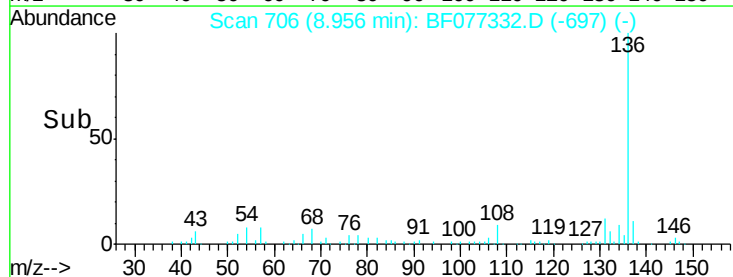
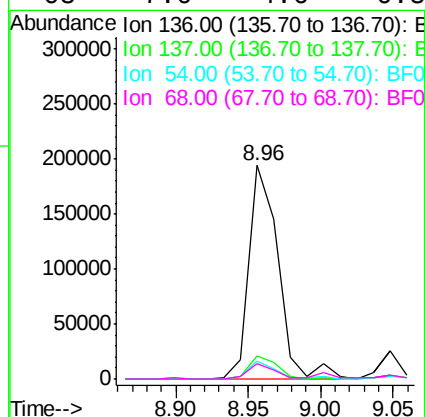
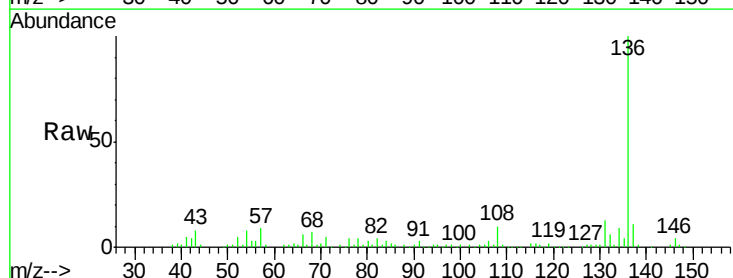
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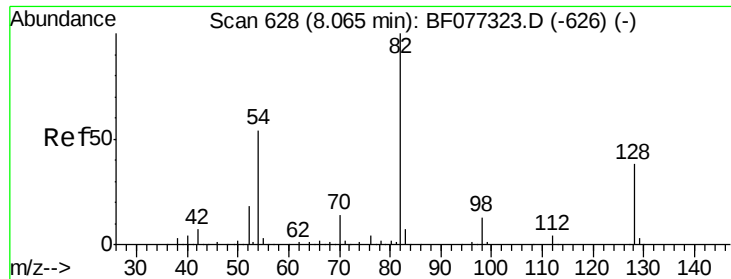
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.96 min Scan# 706
Delta R.T. -0.00 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	271973		
137	11.1	8.7	13.1	
54	8.3	5.8	8.6	
68	7.0	4.6	6.8	#





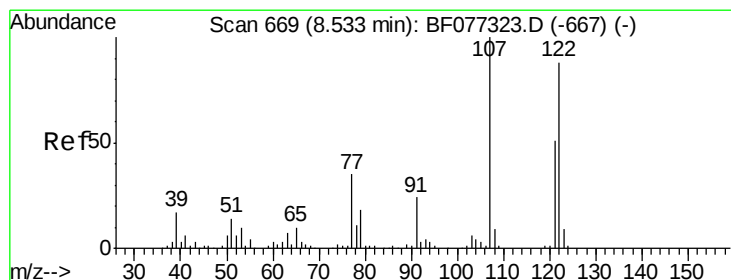
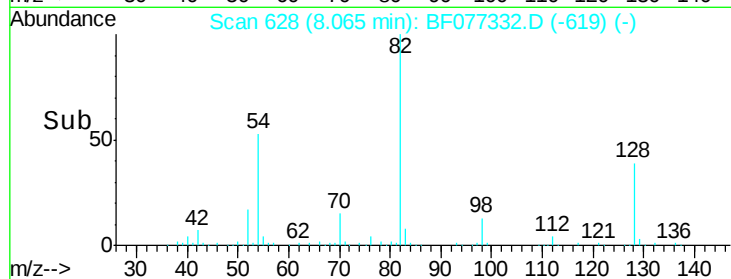
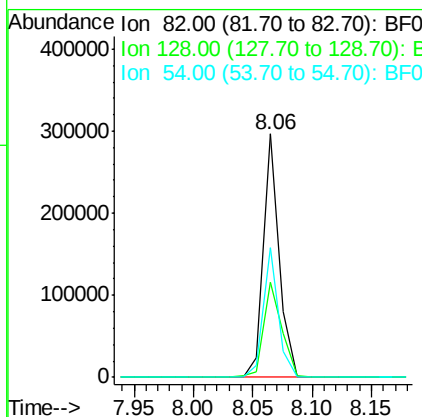
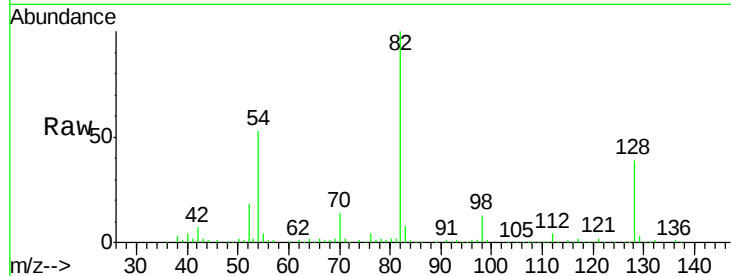
#23
 Nitrobenzene-d5
 Concen: 70.71 ng
 RT: 8.06 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF077332.D
 Acq: 18 Feb 2015 00:17

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-062-21115

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.2	30.7	46.1
54	53.0	43.1	64.7

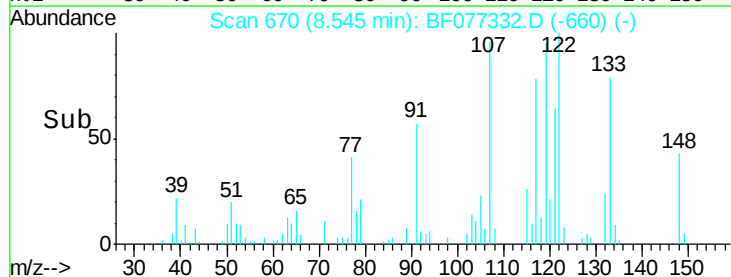
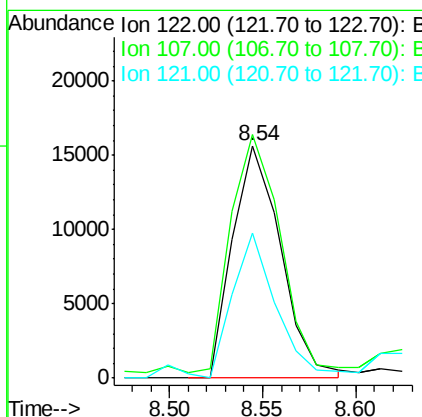
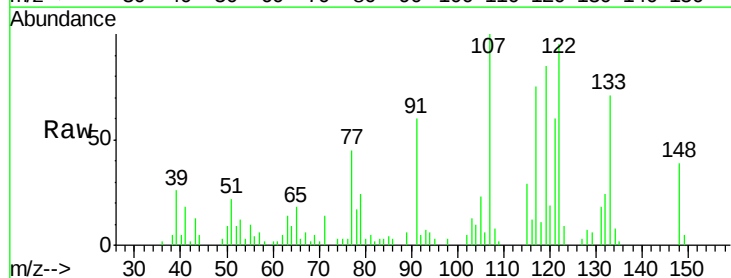
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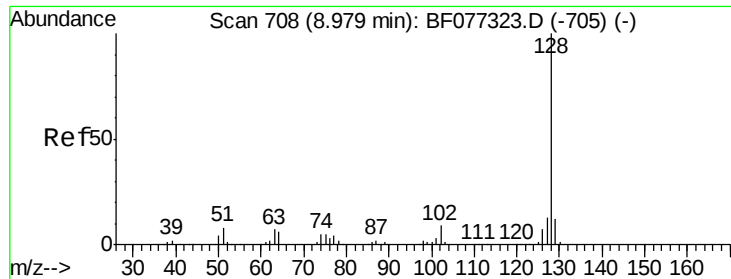
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#27
 2,4-Dimethylphenol
 Concen: 6.99 ng
 RT: 8.54 min Scan# 670
 Delta R.T. 0.01 min
 Lab File: BF077332.D
 Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Resp Lower	Upper
122	100		
107	104.8	90.6	135.8
121	62.4	46.2	69.2





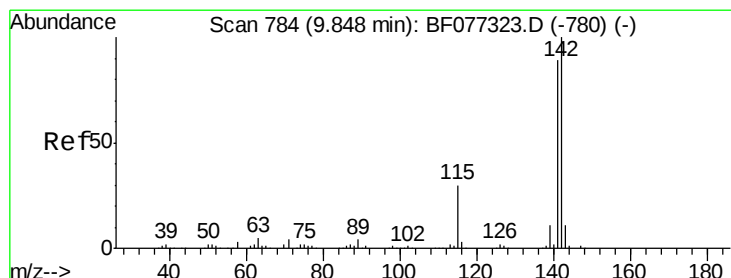
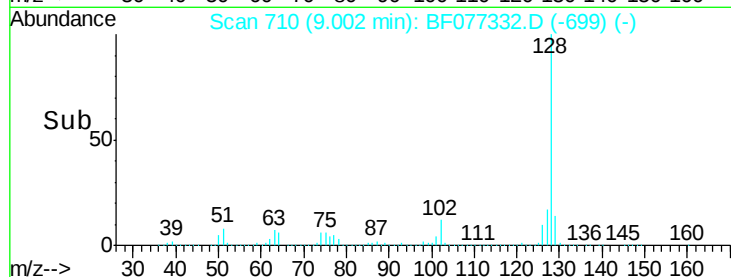
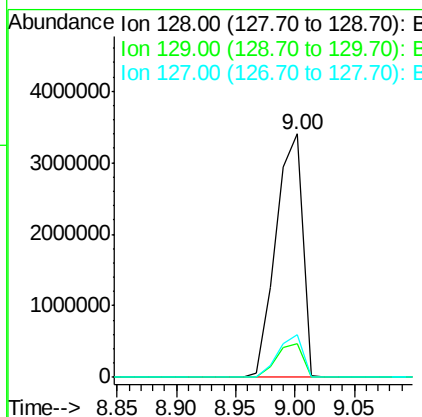
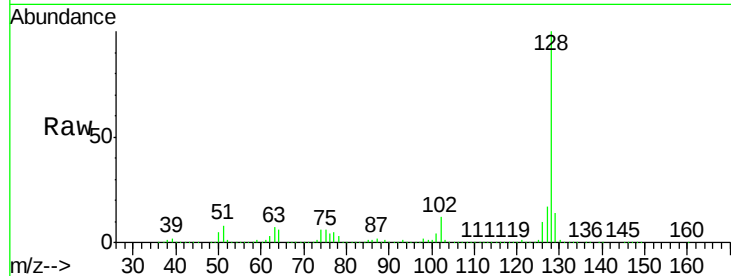
#31
Naphthalene
Concen: 386.58 ng
RT: 9.00 min Scan# 710
Delta R.T. 0.02 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115

Tgt Ion:128 Resp: 5260755
Ion Ratio Lower Upper
128 100
129 14.1 9.5 14.3
127 17.3 10.5 15.7#

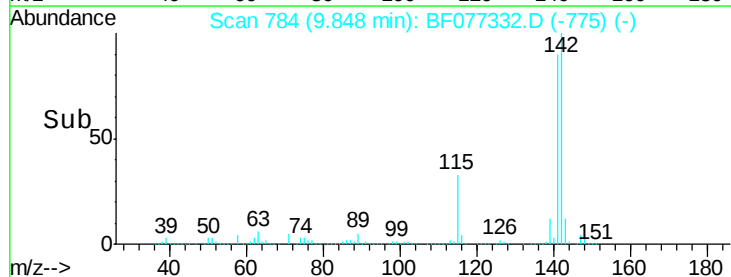
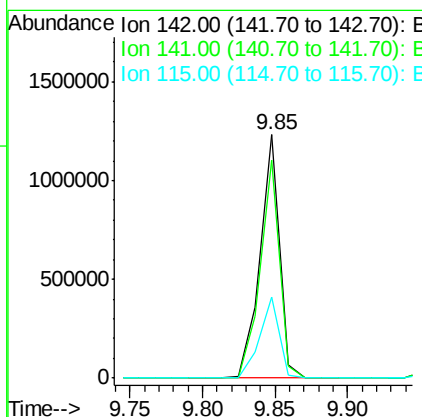
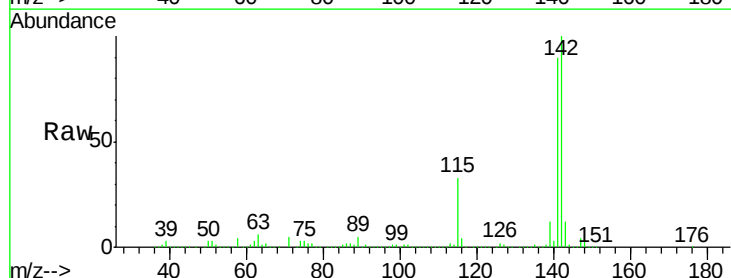
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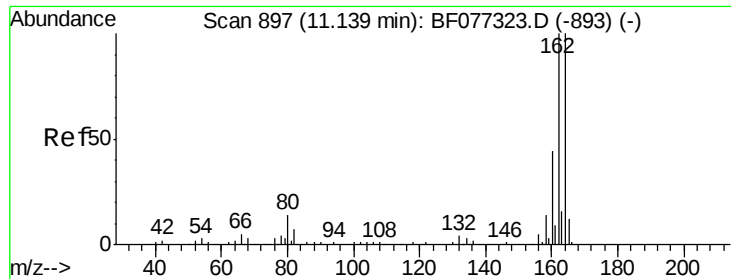
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#37
2-Methylnaphthalene
Concen: 116.72 ng
RT: 9.85 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Tgt Ion:142 Resp: 1142444
Ion Ratio Lower Upper
142 100
141 89.7 71.2 106.8
115 33.3 23.8 35.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF077332.D

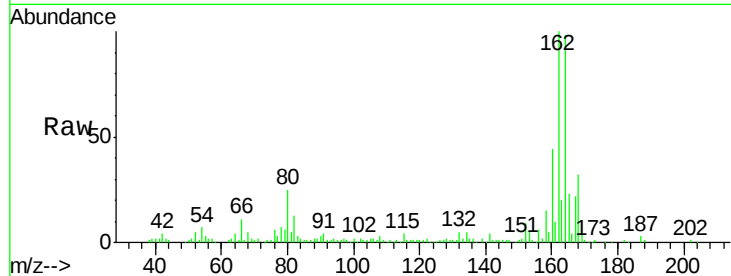
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Instrument :

BNA_F

ClientSampleId :

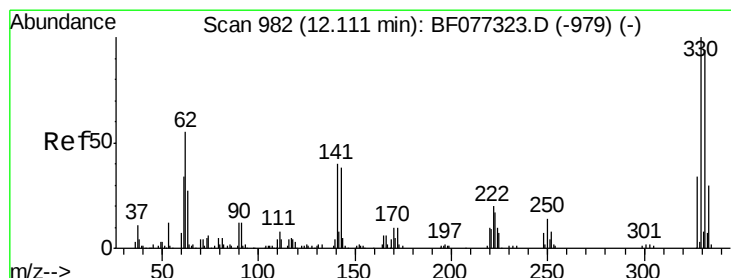
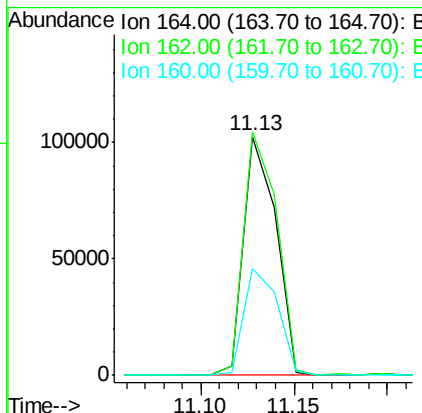
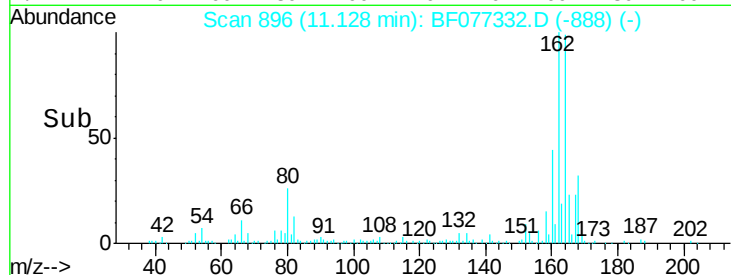
DCW-WC-062-21115



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	80.4	120.6	
160	44.7	35.3	52.9	

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#41

2,4,6-Tribromophenol

Concen: 113.90 ng

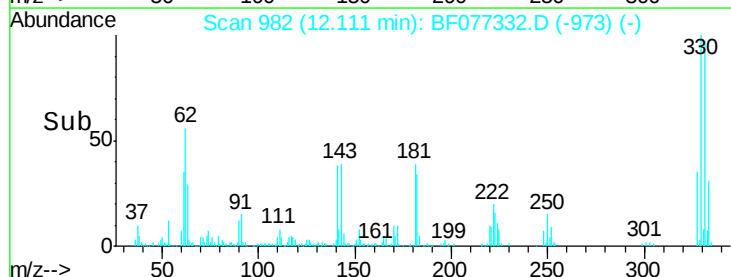
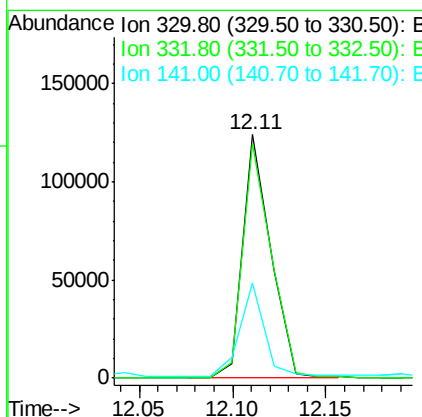
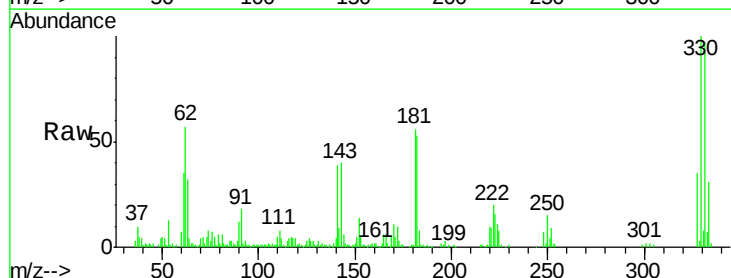
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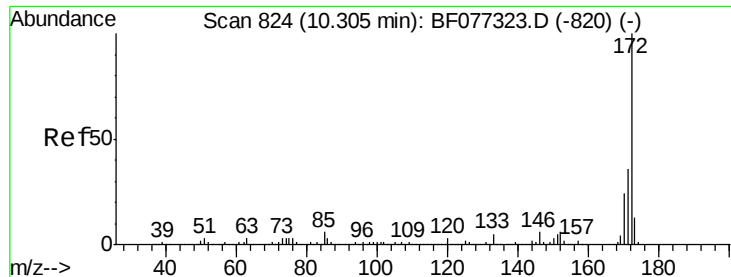
Delta R.T. -0.00 min

Lab File: BF077332.D

Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	76.1	114.1	
141	34.4	28.5	42.7	





#44

2-Fluorobiphenyl

Concen: 85.94 ng

RT: 10.30 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF077332.D

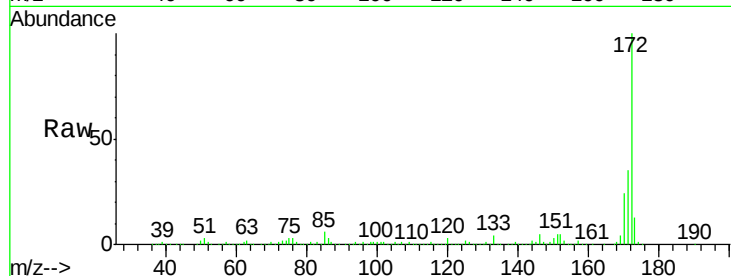
Acq: 18 Feb 2015 00:17

Instrument :

BNA_F

ClientSampleId :

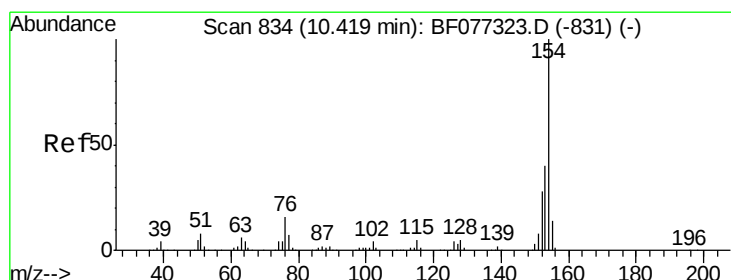
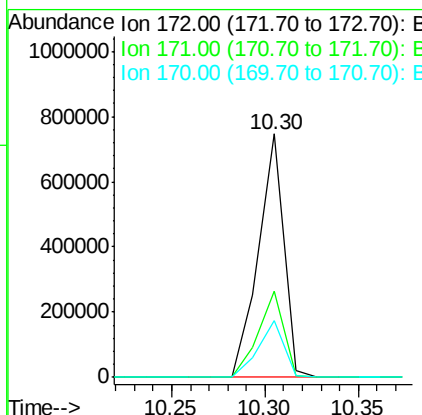
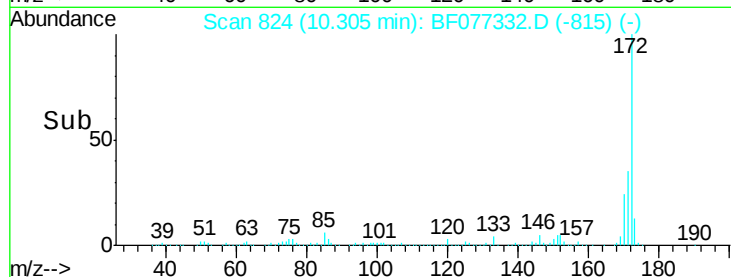
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.9	43.3
170	23.5	19.4	29.2

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#45

1,1'-Biphenyl

Concen: 17.98 ng

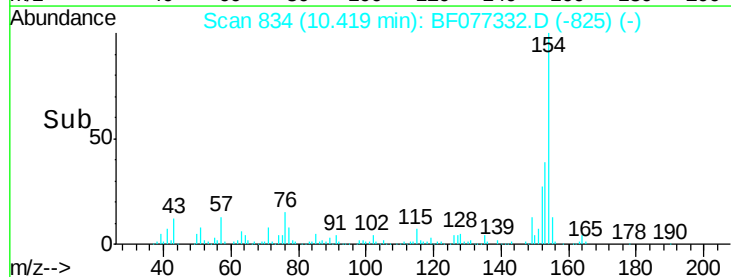
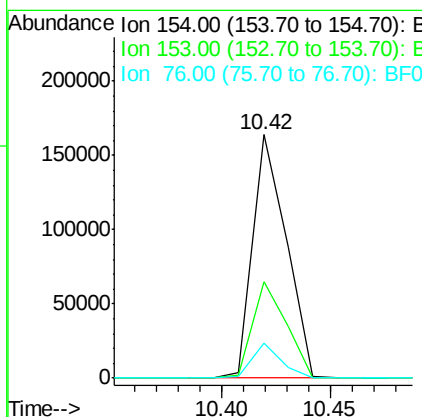
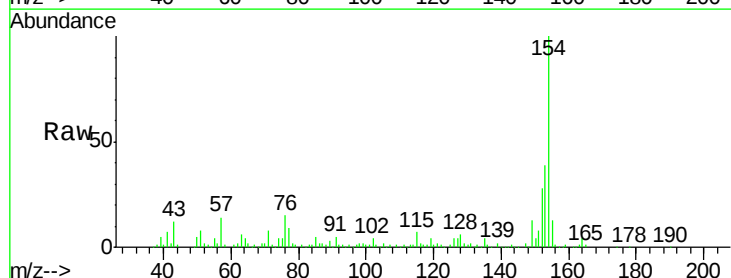
RT: 10.42 min Scan# 834

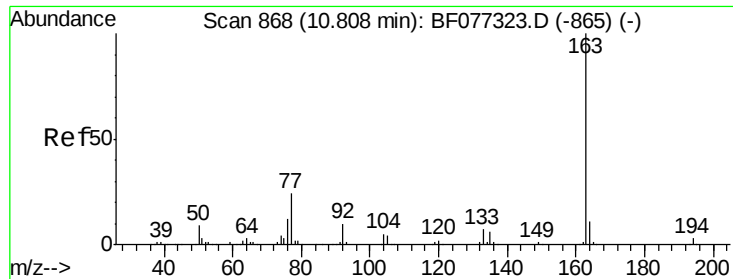
Delta R.T. -0.00 min

Lab File: BF077332.D

Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.5	60.5
76	14.5	0.0	35.9





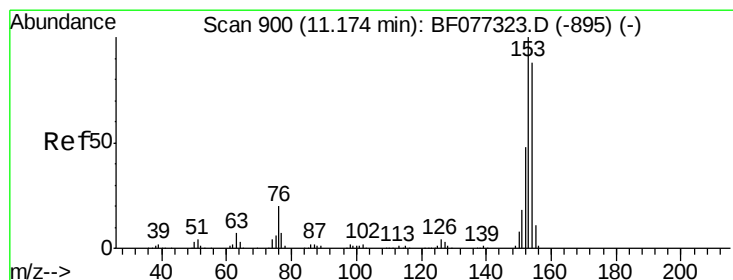
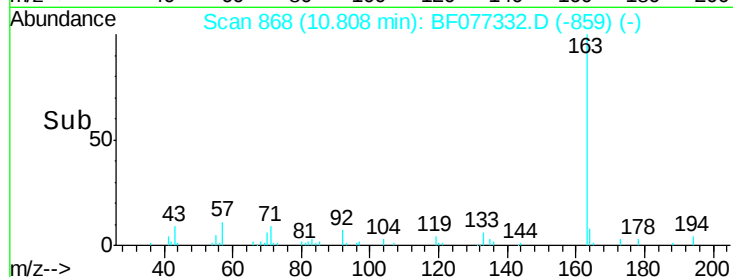
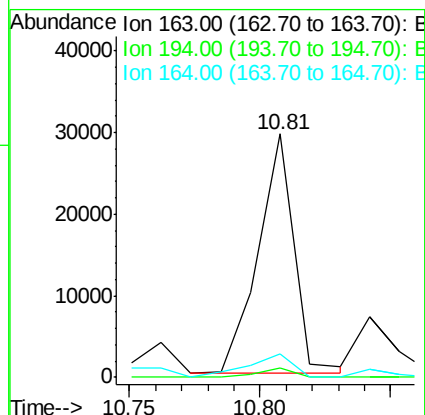
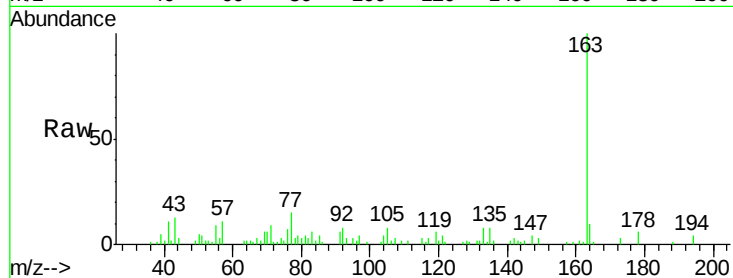
#49
Dimethylphthalate
Concen: 3.33 ng
RT: 10.81 min Scan# 868
Delta R.T. -0.00 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	28220		
194	4.1	2.6	3.8#	
164	9.8	8.4	12.6	

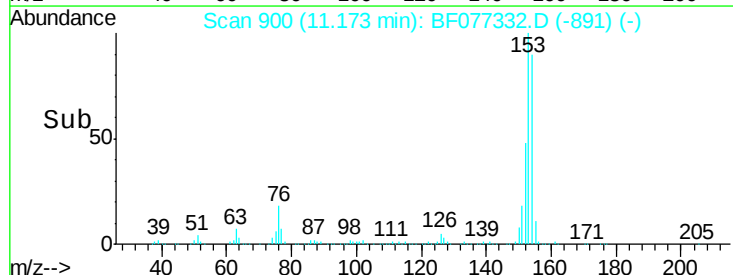
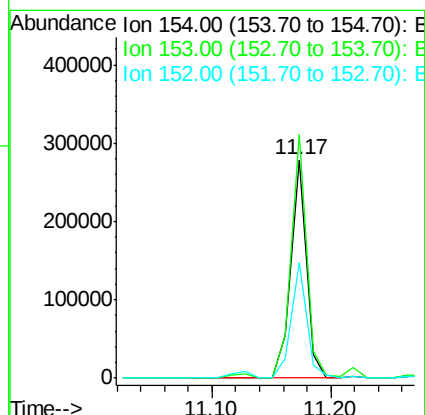
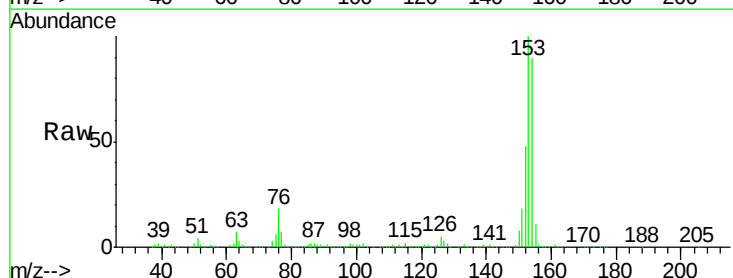
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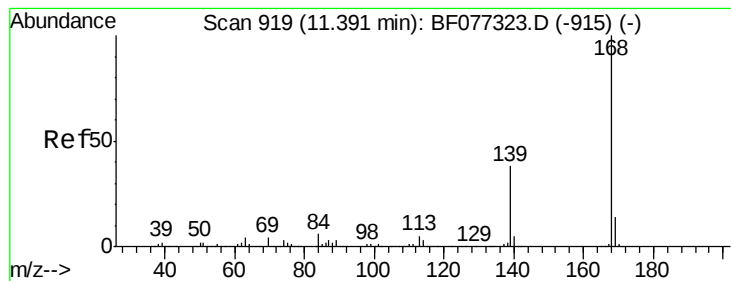
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#51
Acenaphthene
Concen: 35.46 ng
RT: 11.17 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	252771		
153	111.4	90.9	136.3	
152	53.1	43.5	65.3	





#54

Dibenzenofuran

Concen: 54.58 ng

RT: 11.39 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF077332.D

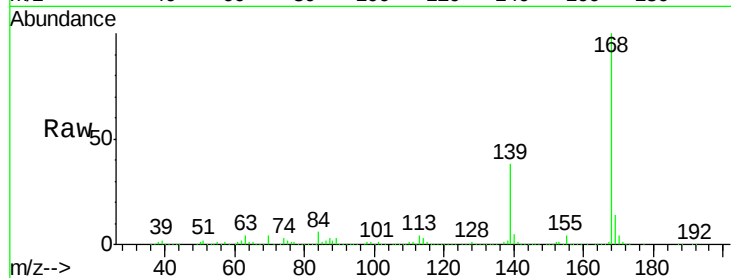
Acq: 18 Feb 2015 00:17

Instrument :

BNA_F

ClientSampleId :

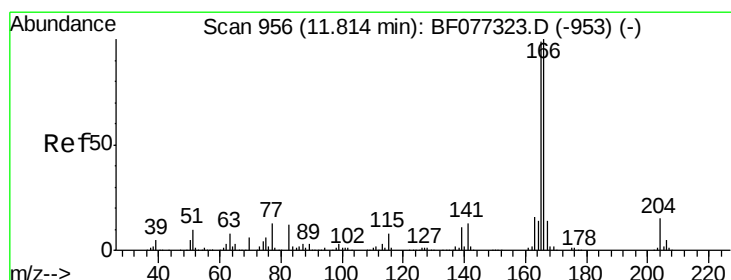
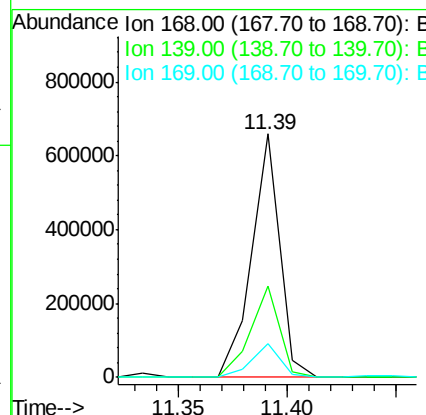
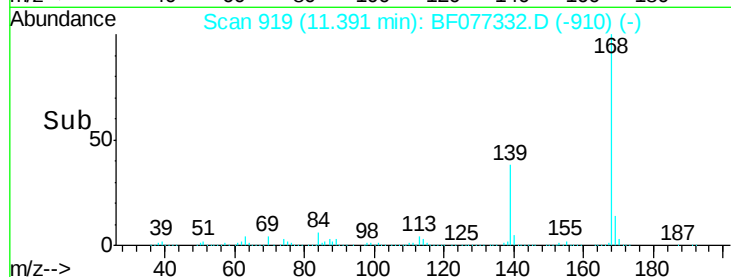
DCW-WC-062-21115



Tgt Ion	Ratio	Resp	Lower	Upper
168	100	590191		
139	37.7	30.6	45.8	
169	14.0	11.0	16.4	

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#57

Fluorene

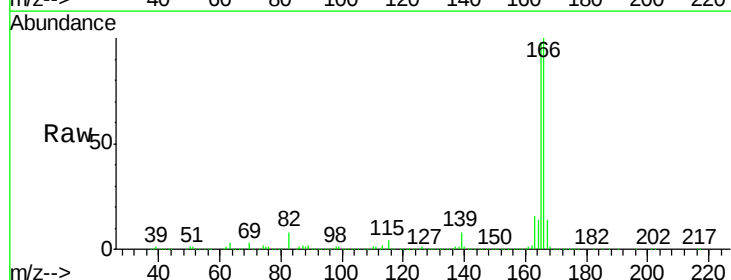
Concen: 136.19 ng

RT: 11.82 min Scan# 957

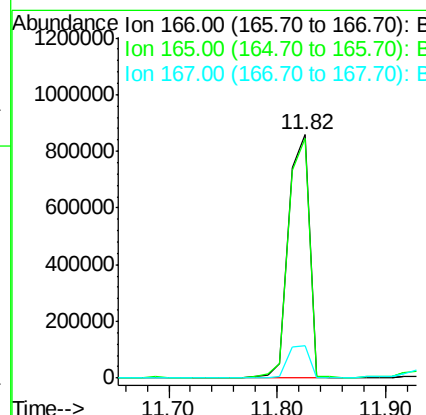
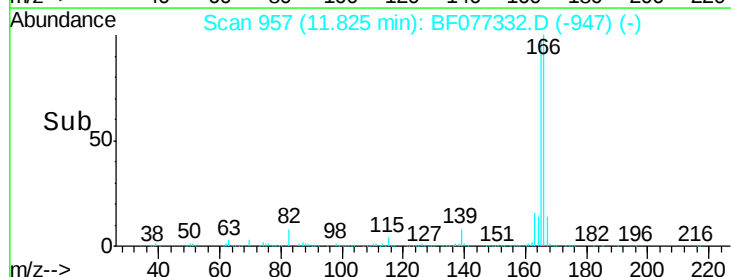
Delta R.T. 0.01 min

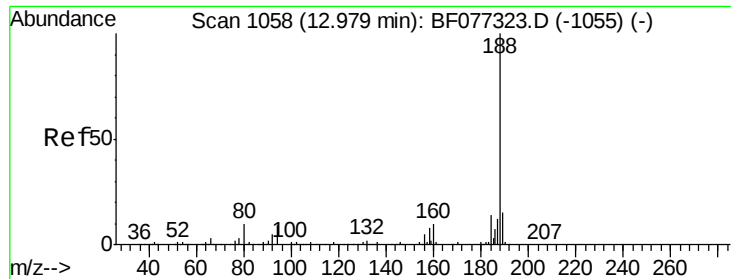
Lab File: BF077332.D

Acq: 18 Feb 2015 00:17



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1155531		
165	98.4	79.2	118.8	
167	13.5	11.0	16.6	





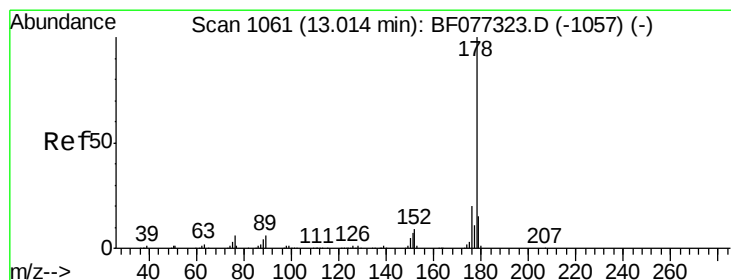
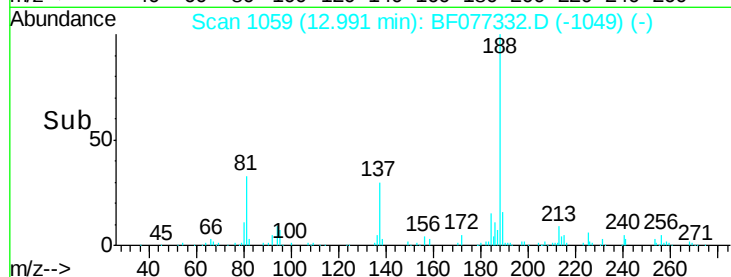
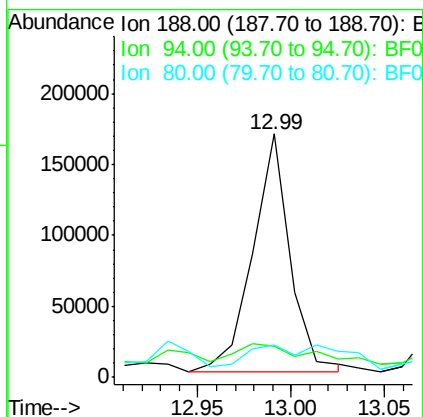
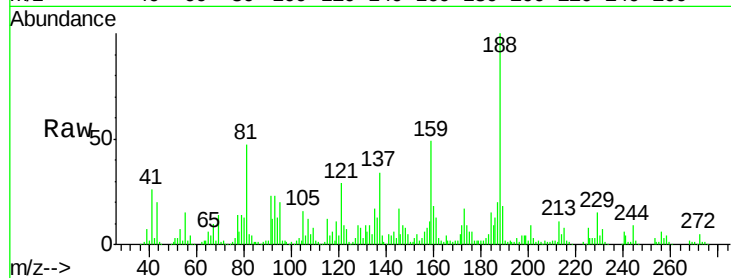
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.99 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	235511		
94	12.6	7.2	10.8#	
80	13.3	7.8	11.8#	

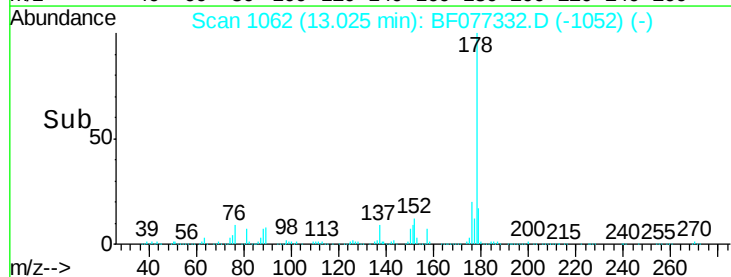
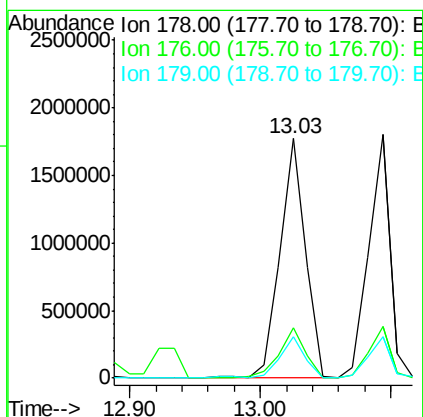
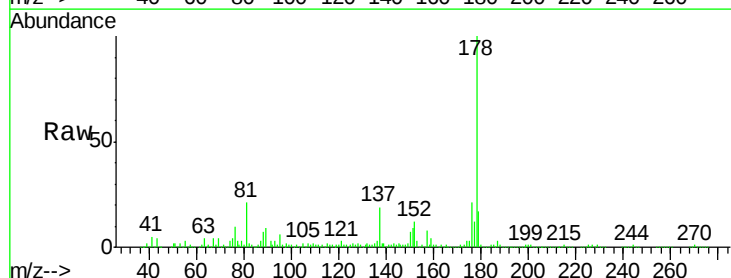
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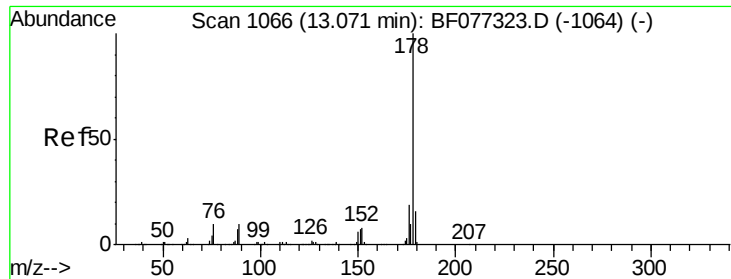
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#70
Phenanthrene
Concen: 176.64 ng
RT: 13.03 min Scan# 1062
Delta R.T. 0.01 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2417380		
176	21.1	15.6	23.4	
179	17.0	12.3	18.5	





#71

Anthracene

Concen: 148.71 ng

RT: 13.09 min Scan# 1068

Delta R.T. 0.02 min

Lab File: BF077332.D

Acq: 18 Feb 2015 00:17

Instrument :

BNA_F

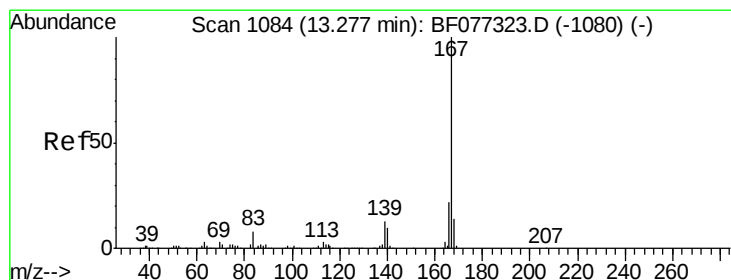
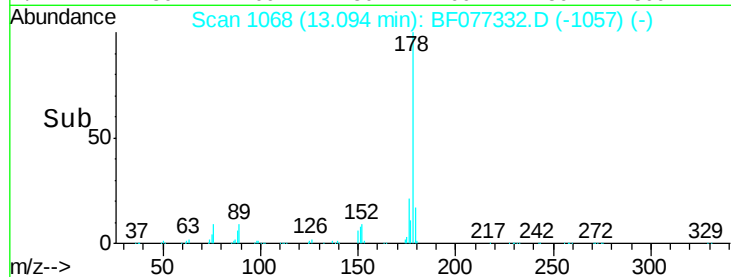
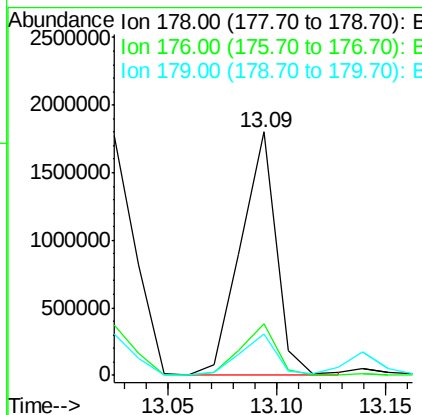
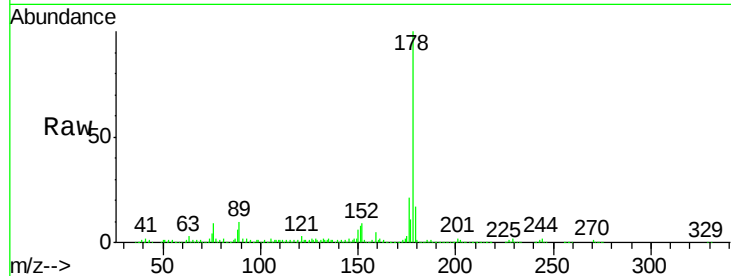
ClientSampleId :

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Tgt Ion:	178	Resp:	2023686
Ion Ratio	Lower	Upper	
178	100		
176	21.0	15.3	22.9
179	17.1	12.8	19.2

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#72

Carbazole

Concen: 176.82 ng

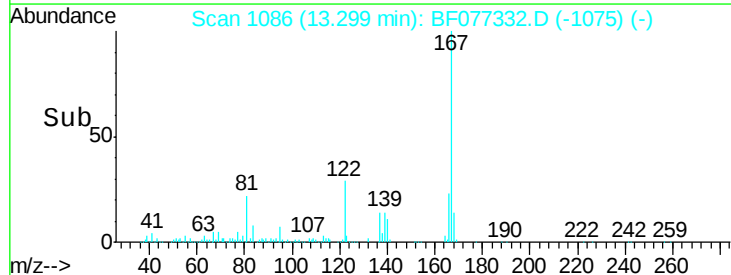
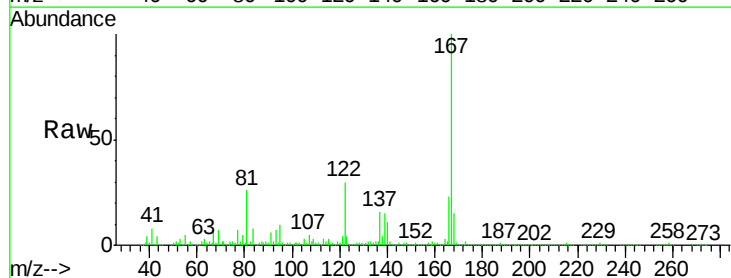
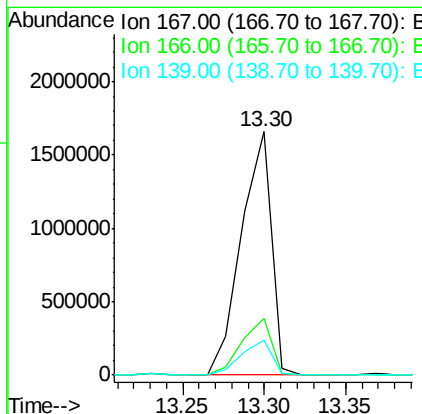
RT: 13.30 min Scan# 1086

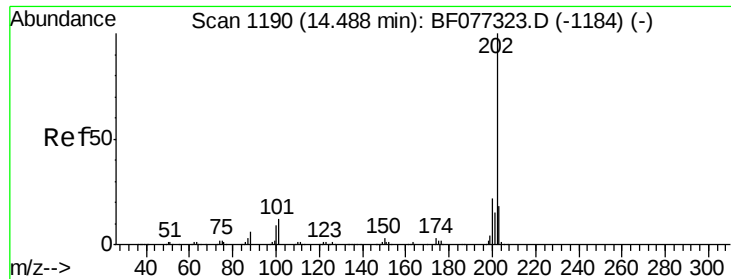
Delta R.T. 0.02 min

Lab File: BF077332.D

Acq: 18 Feb 2015 00:17

Tgt Ion:	167	Resp:	2115542
Ion Ratio	Lower	Upper	
167	100		
166	23.4	17.4	26.2
139	14.6	10.6	15.8





#74

Fluoranthene

Concen: 39.80 ng

RT: 14.50 min Scan# 1191

Delta R.T. 0.01 min

Lab File: BF077332.D

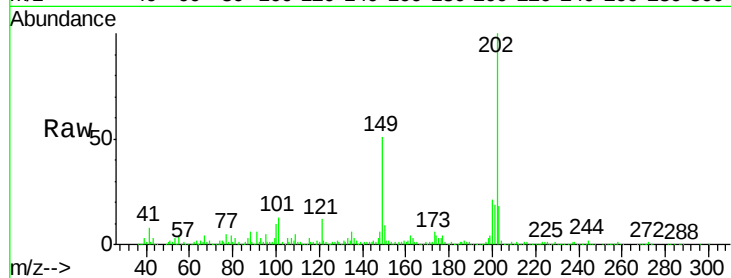
Acq: 18 Feb 2015 00:17

Instrument :

BNA_F

ClientSampleId :

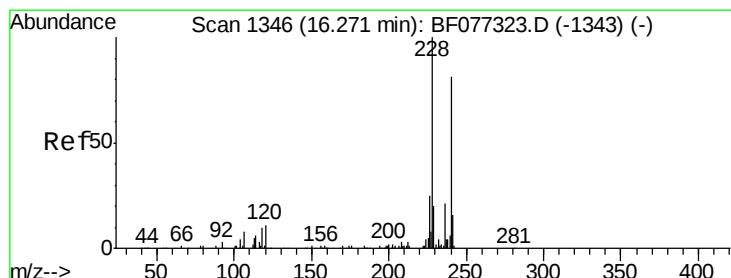
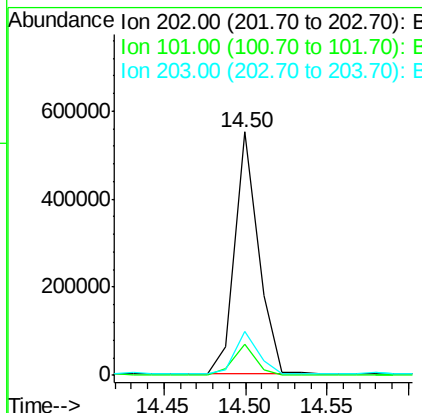
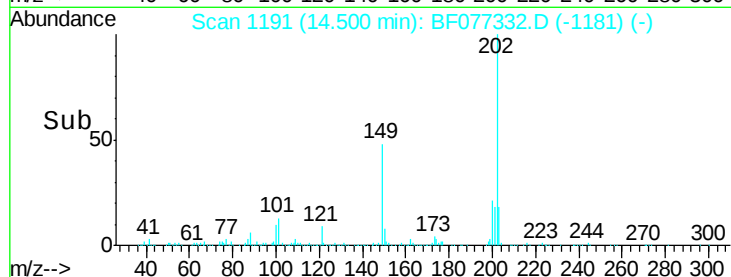
DCW-WC-062-21115



Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		549981		
101	12.9	0.0	32.4		
203	18.0	0.0	37.7		

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#75

Chrysene-d12

Concen: 20.00 ng

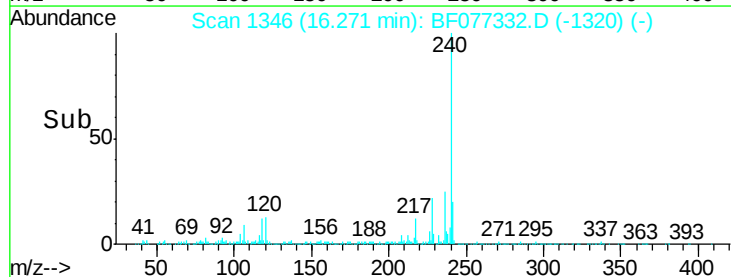
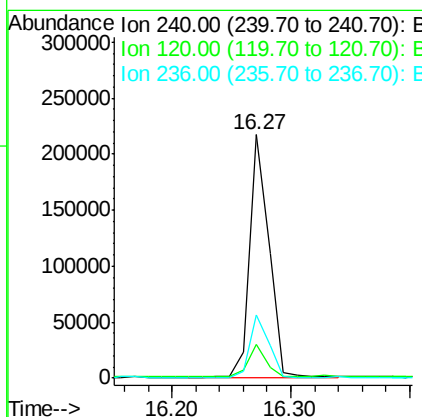
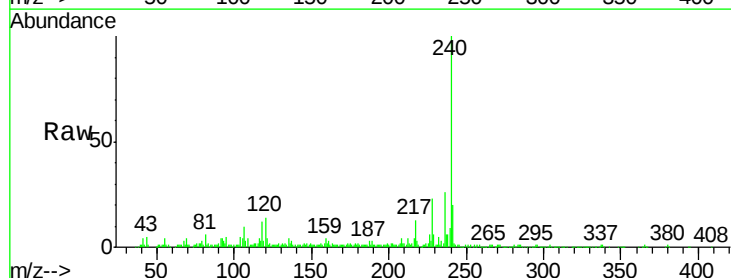
RT: 16.27 min Scan# 1346

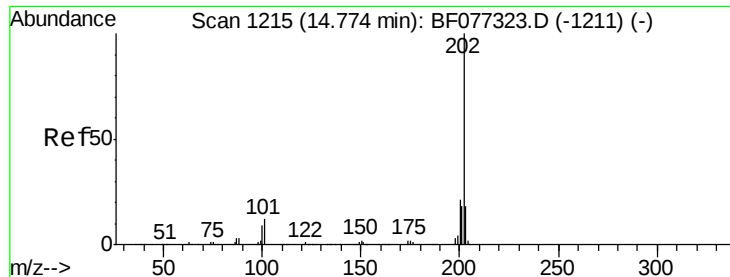
Delta R.T. -0.00 min

Lab File: BF077332.D

Acq: 18 Feb 2015 00:17

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		246880		
120	13.9	11.3	16.9		
236	25.7	20.3	30.5		





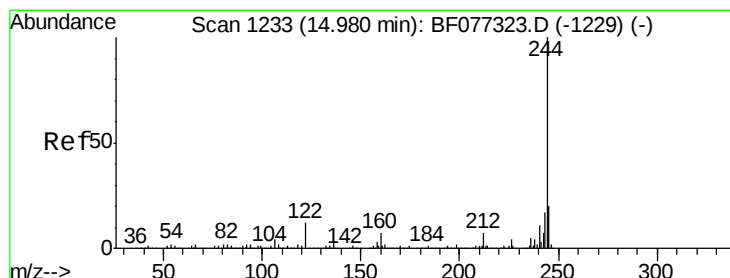
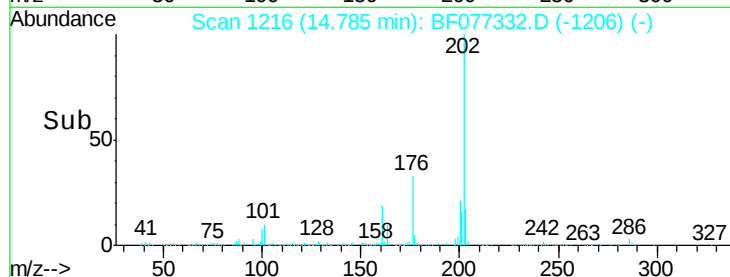
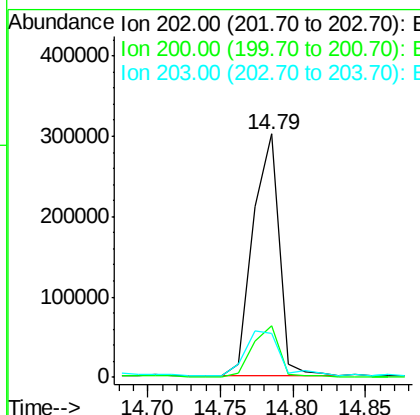
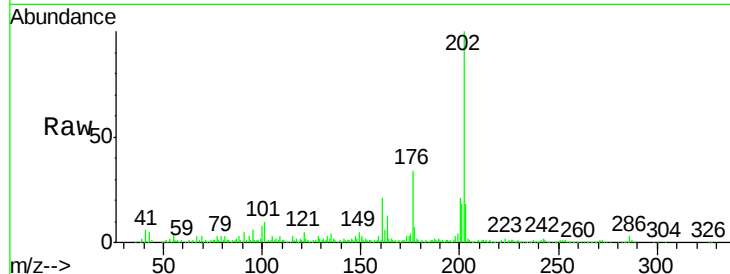
#77
 Pyrene
 Concen: 24.78 ng
 RT: 14.79 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: BF077332.D
 Acq: 18 Feb 2015 00:17

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-062-21115

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	17.0	25.4
203	18.0	14.2	21.4

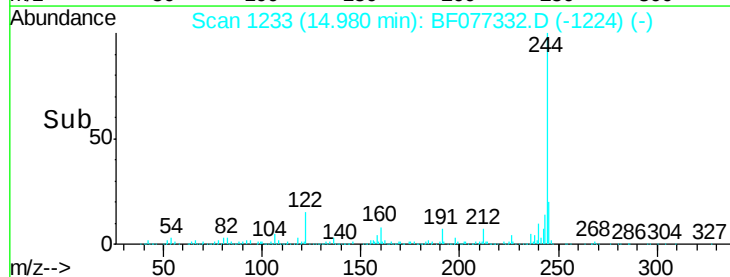
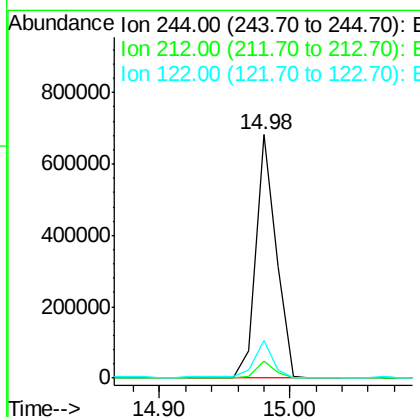
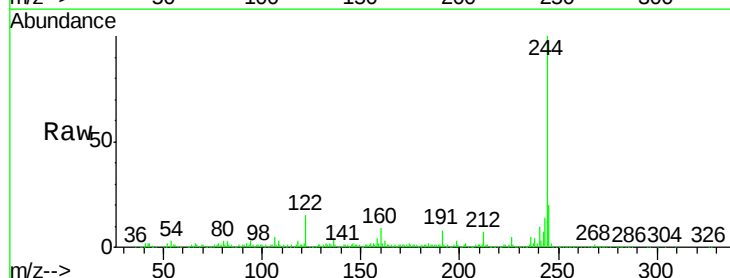
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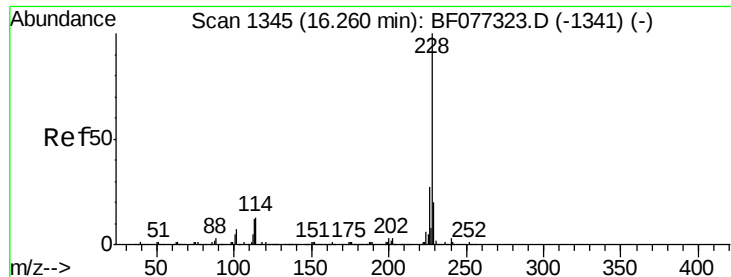
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#78
 Terphenyl-d14
 Concen: 68.03 ng
 RT: 14.98 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BF077332.D
 Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	5.4	8.0
122	15.2	9.3	13.9





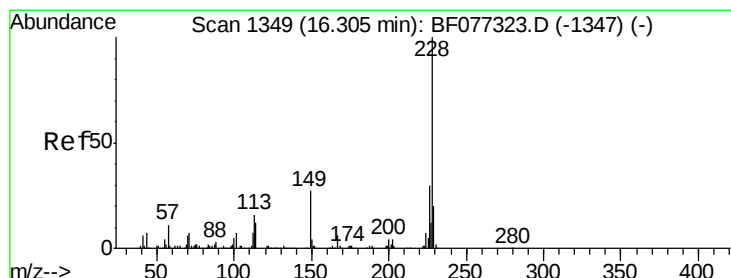
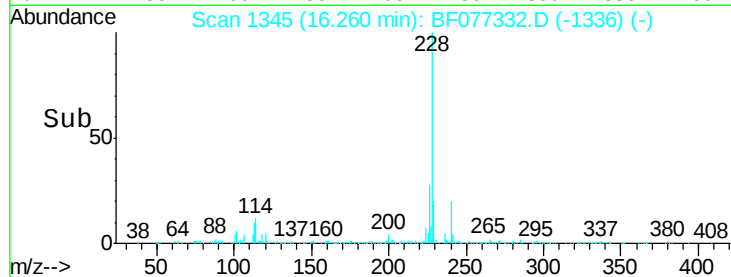
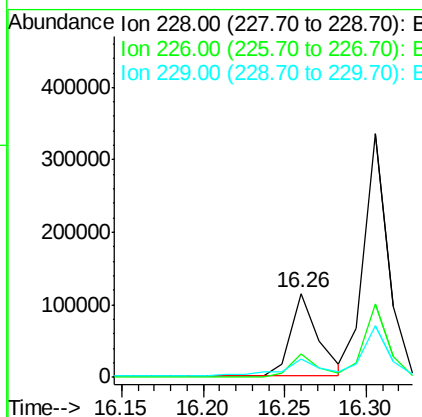
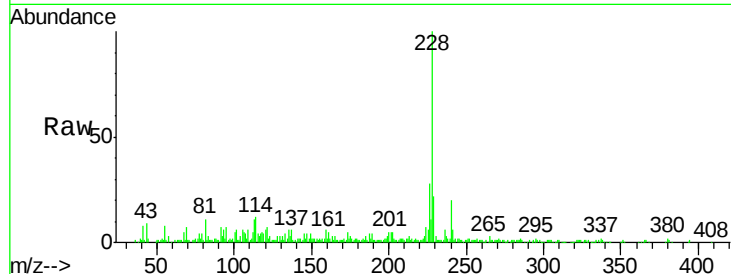
#80
Benzo(a)anthracene
Concen: 9.22 ng
RT: 16.26 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.5	21.9	32.9
229	22.2	16.1	24.1

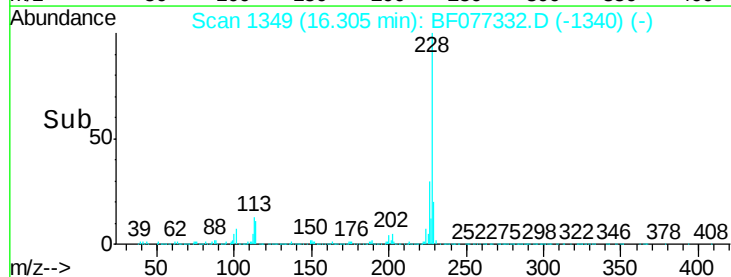
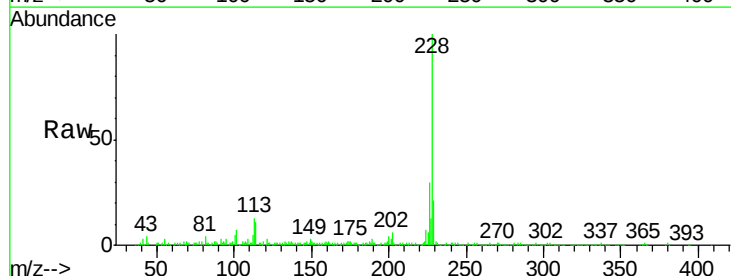
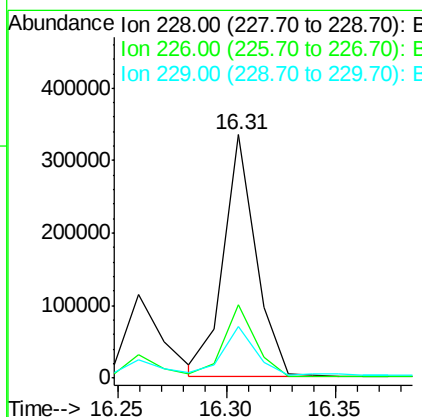
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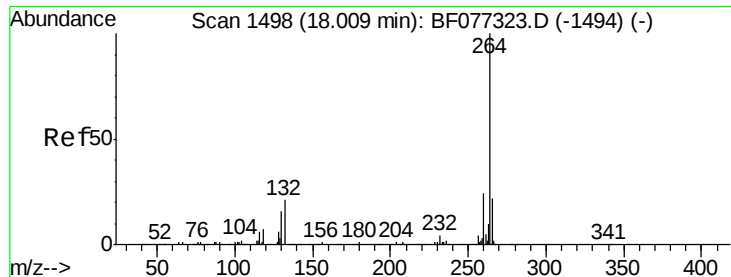
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#82
Chrysene
Concen: 25.14 ng
RT: 16.31 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.3	24.2	36.2
229	21.0	16.2	24.2





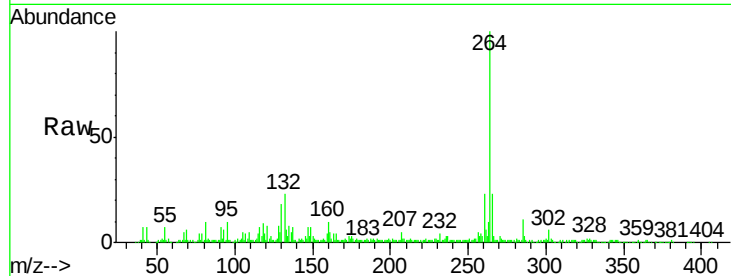
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.99 min Scan# 1496
Delta R.T. -0.02 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Instrument :
BNA_F
ClientSampleId :
DCW-WC-062-21115

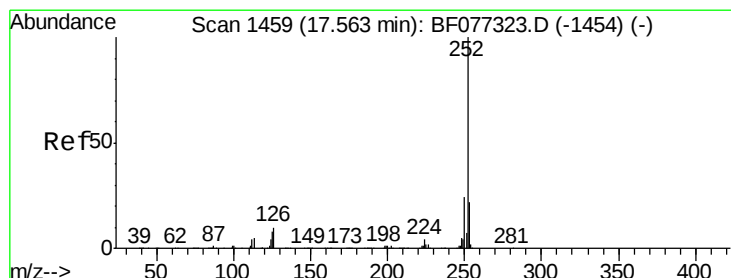
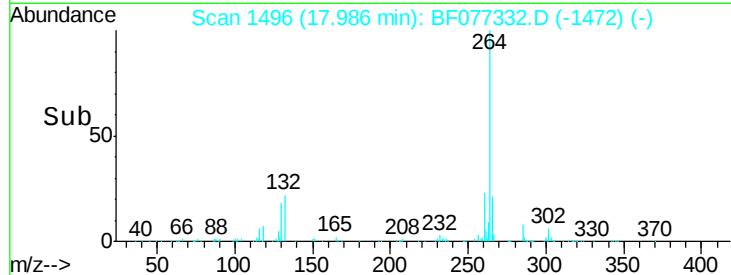
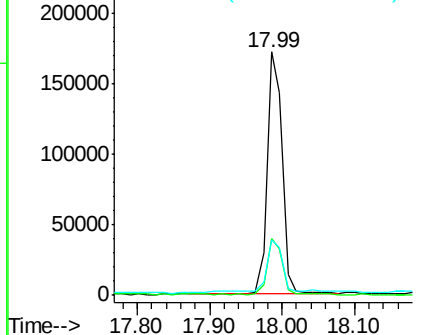
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	252463		
260	23.4	18.9	28.3	
265	22.6	17.7	26.5	

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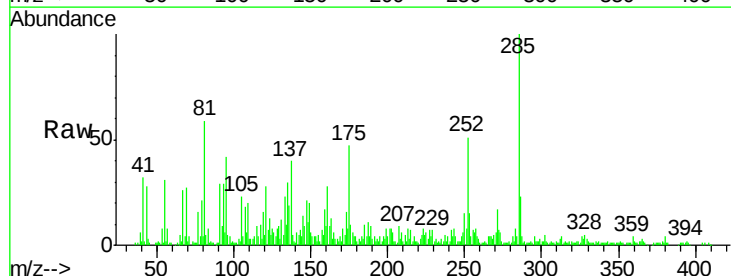


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

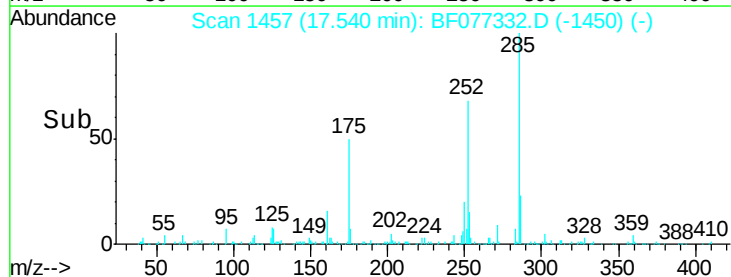
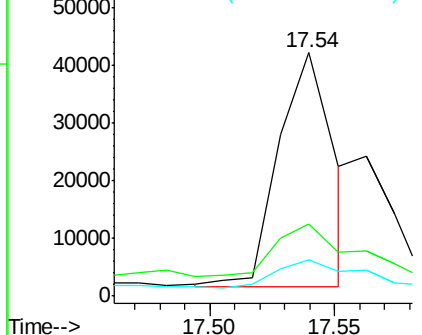


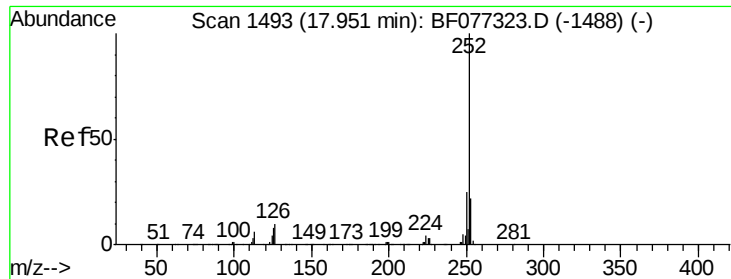
#87
Benzo(b)fluoranthene
Concen: 3.82 ng m
RT: 17.54 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF077332.D
Acq: 18 Feb 2015 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	61944		
253	29.9	17.3	25.9#	
125	15.0	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: 2.63 ng

RT: 17.92 min Scan# 1490

Delta R.T. -0.03 min

Lab File: BF077332.D

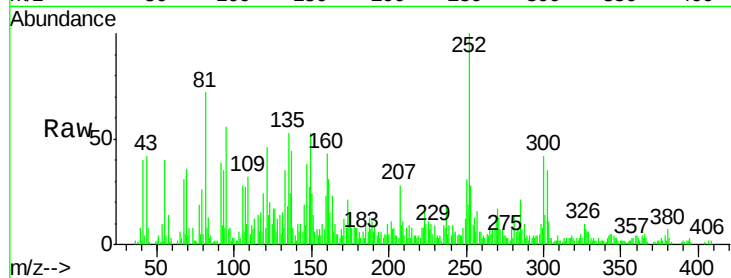
Acq: 18 Feb 2015 00:17

Instrument :

BNA_F

ClientSampleId :

DCW-WC-062-21115



Tgt	Ion	Ratio	Lower	Upper
252	100			
253	27.8	17.4	26.0#	
125	16.8	6.2	9.2#	

Manual Integrations
APPROVED

apatel
2/18/2015 4:27:38 PM

