

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101709.D
 Acq On : 26 Dec 2017 12:24
 Operator : SJ/JU
 Sample : I6835-03DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02DL

Manual Integrations
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Quant Time: Dec 26 13:14:15 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	152453	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	601079	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	290918	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	578441	20.00	ng	0.00
75) Chrysene-d12	13.96	240	529436	20.00	ng	0.00
86) Perylene-d12	15.43	264	464504	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	292578	28.59	ng	0.01
7) Phenol-d6	6.43	99	350295	27.50	ng	0.00
23) Nitrobenzene-d5	7.36	82	249567	23.11	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	100756	35.94	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	483530	25.78	ng	0.00
78) Terphenyl-d14	12.89	244	576757	26.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	331979	22.867	ng	99
17) 2-Methylphenol	7.05	107	162007	16.359	ng	99
20) 3+4-Methylphenols	7.21	107	403200	38.421	ng	84
27) 2,4-Dimethylphenol	7.73	122	160881	18.445	ng	99
31) Naphthalene	8.09	128	2508960	82.912	ng	98
37) 2-Methylnaphthalene	8.79	142	117657	5.968	ng	99
48) Acenaphthylene	9.69	152	185749	5.957	ng	99
54) Dibenzofuran	10.03	168	75686	3.179	ng	98
57) Fluorene	10.37	166	71621	3.556	ng	97
70) Phenanthrene	11.34	178	95078	2.956	ng	98
72) Carbazole	11.56	167	234964	7.638	ng	98

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

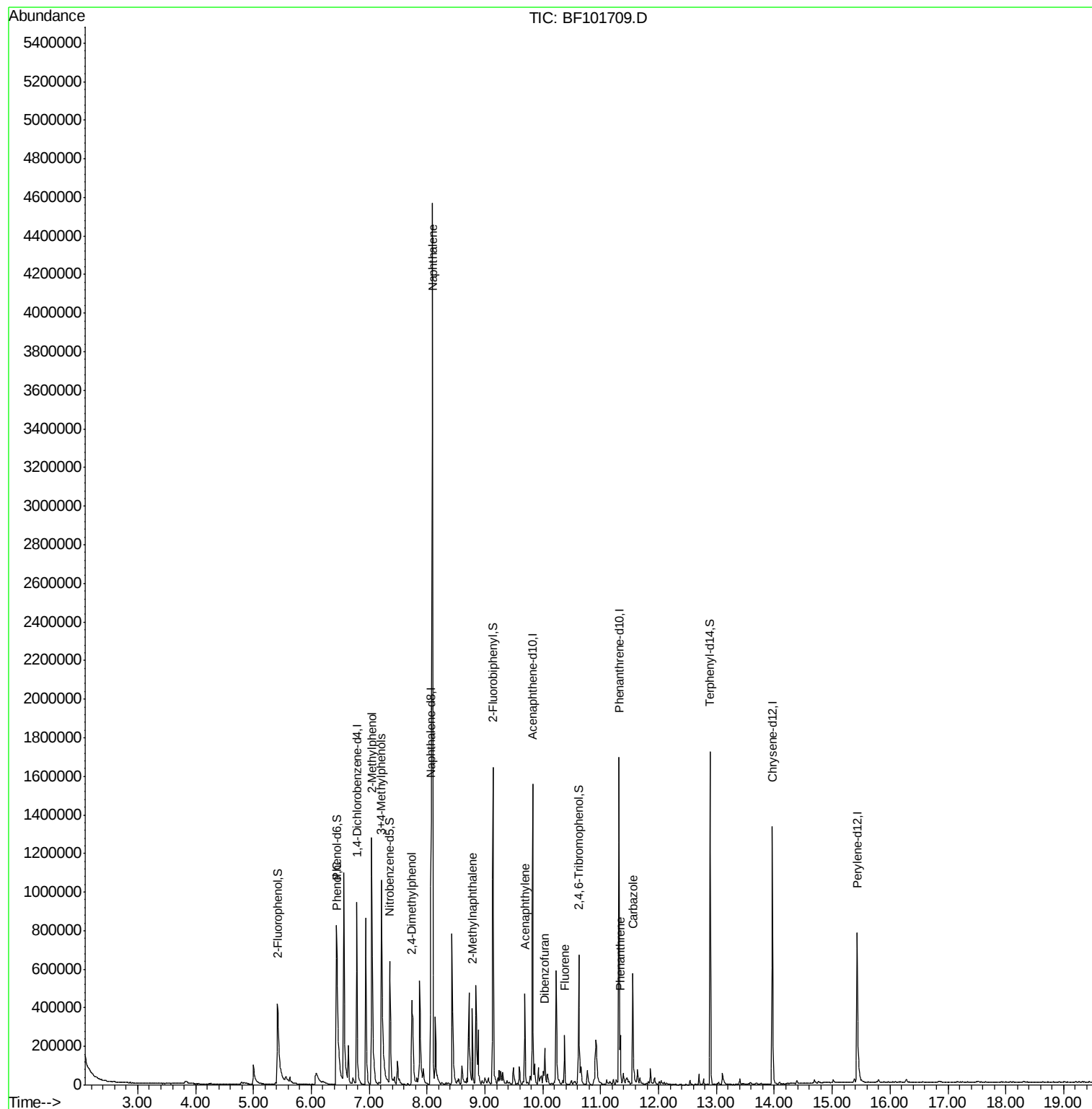
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101709.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

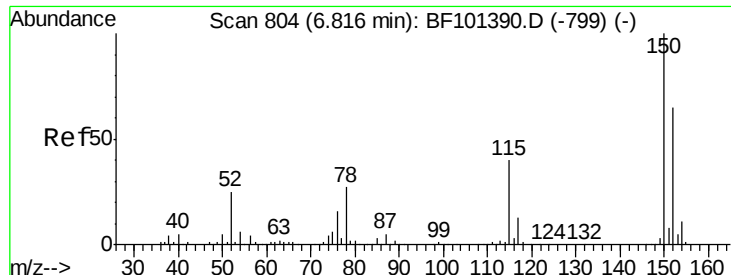
Instrument :
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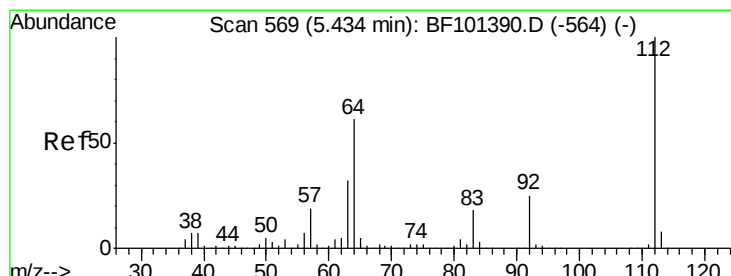
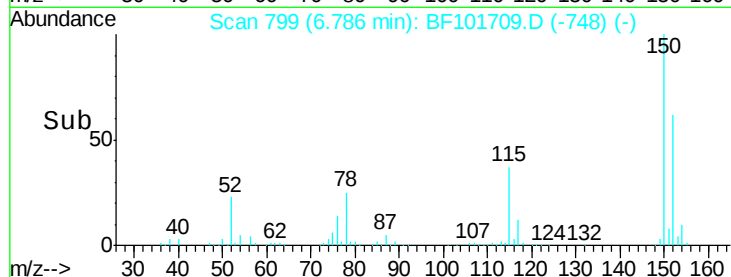
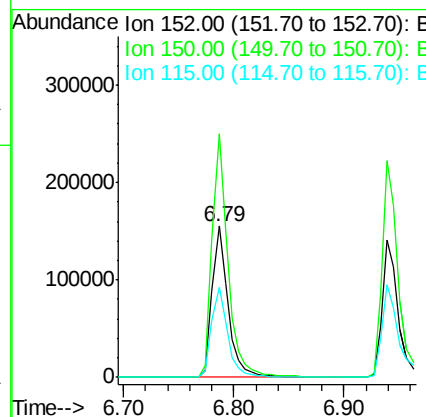
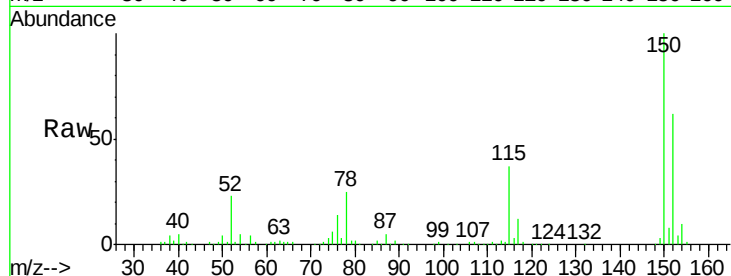
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101709.D
 Acq: 26 Dec 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	59.8	50.1	75.1

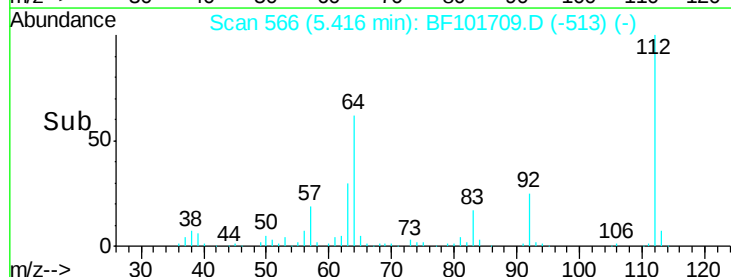
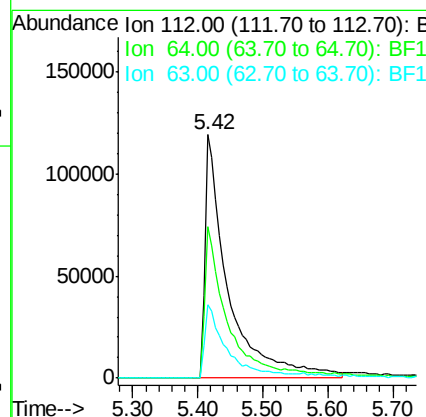
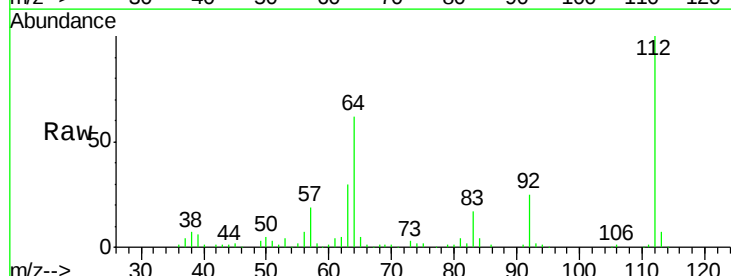
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#5
 2-Fluorophenol
 Concen: 28.587 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF101709.D
 Acq: 26 Dec 2017 12:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	47.9	71.9
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 27.501 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101709.D

Acq: 26 Dec 2017 12:24

Instrument :

BNA_F

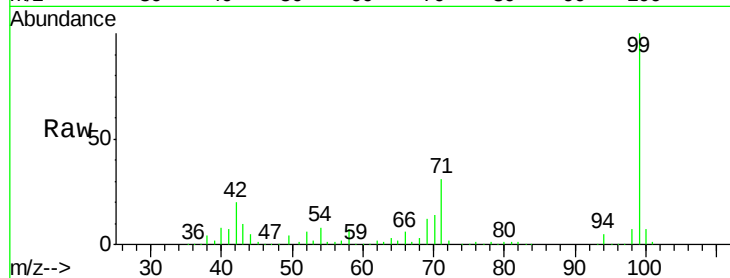
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WC-4539-02DL

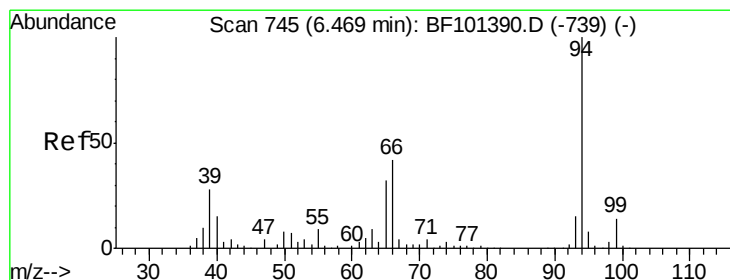
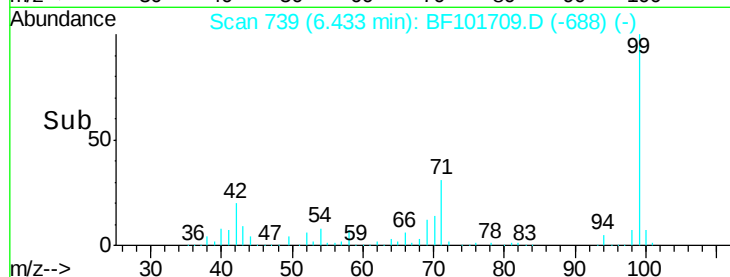
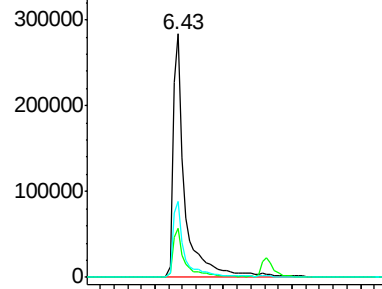
Tgt Ion:	99	Resp:	350295
Ion Ratio	Lower	Upper	
99	100		
42	20.0	14.5	21.7
71	31.1	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 22.867 ng

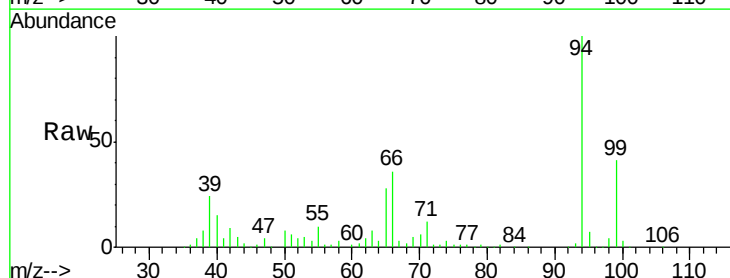
RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

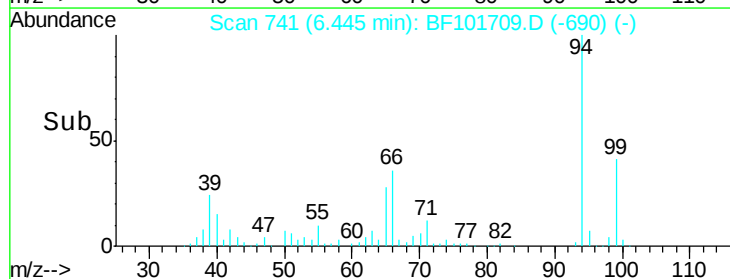
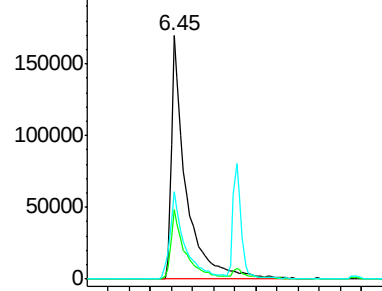
Lab File: BF101709.D

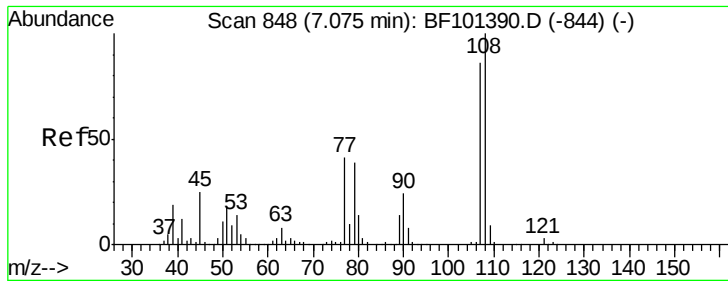
Acq: 26 Dec 2017 12:24

Tgt Ion:	94	Resp:	331979
Ion Ratio	Lower	Upper	
94	100		
65	28.5	7.9	47.9
66	35.8	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#17

2-Methylphenol

Concen: 16.359 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BF101709.D

Acq: 26 Dec 2017 12:24

Instrument :

BNA_F

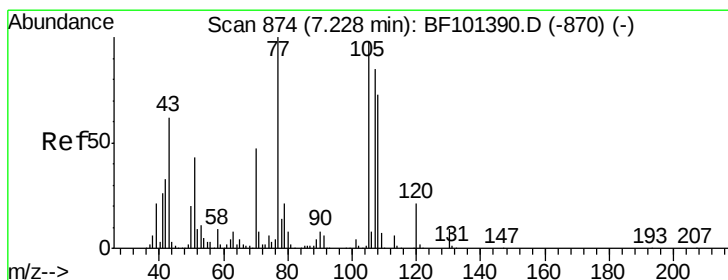
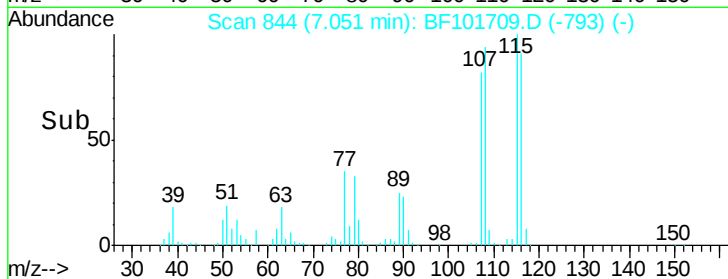
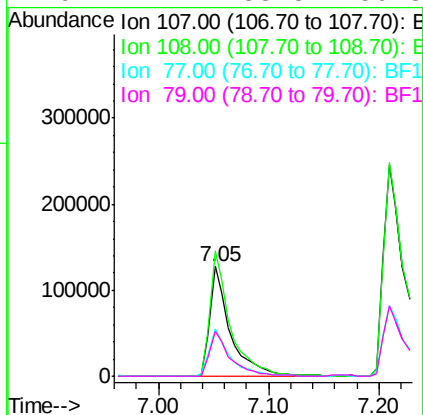
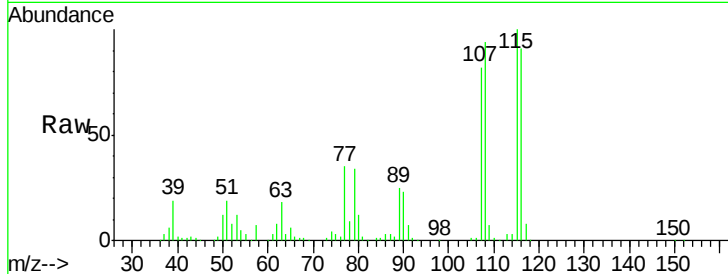
ClientSampleId :

WC-4539-02DL

Tgt Ion:	107	Resp:	162007
Ion Ratio	Lower	Upper	
107	100		
108	114.4	91.7	137.5
77	43.1	33.8	50.8
79	41.4	33.8	50.8

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#20

3+4-Methylphenols

Concen: 38.421 ng

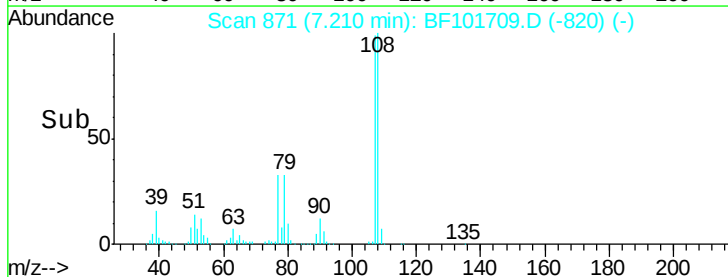
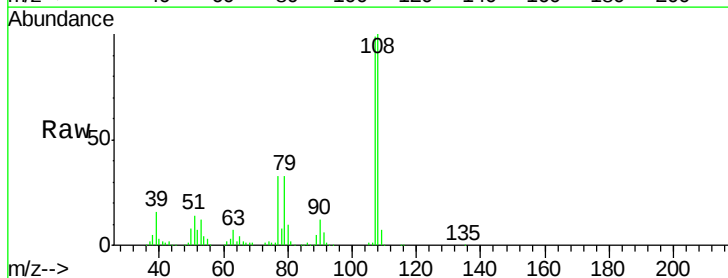
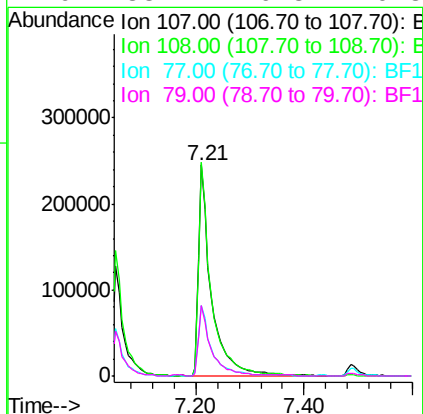
RT: 7.21 min Scan# 871

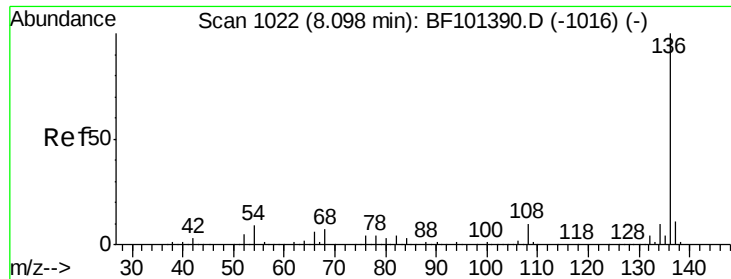
Delta R.T. -0.00 min

Lab File: BF101709.D

Acq: 26 Dec 2017 12:24

Tgt Ion:	107	Resp:	403200
Ion Ratio	Lower	Upper	
107	100		
108	101.3	68.2	108.2
77	33.2	26.7	66.7
79	33.1	6.3	46.3





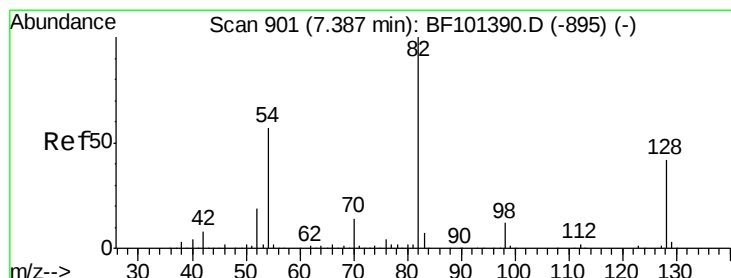
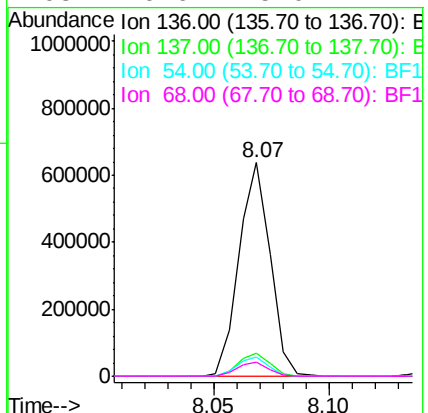
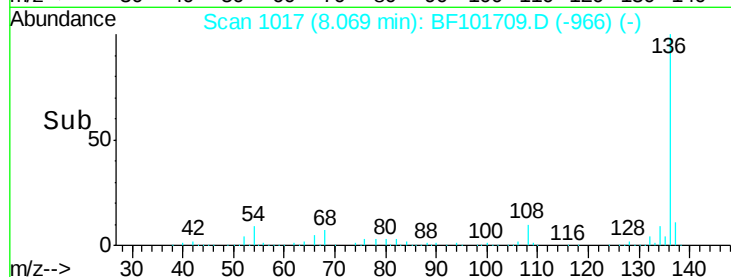
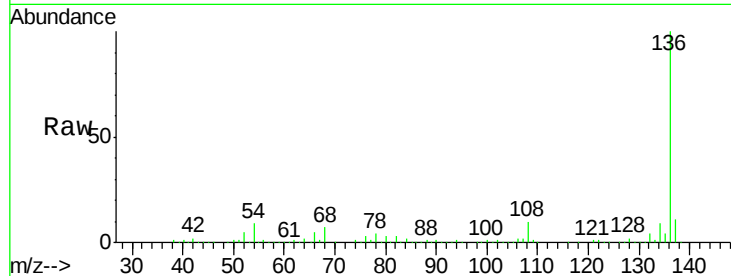
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101709.D
Acq: 26 Dec 2017 12:24

Instrument :
BNA_F
ClientSampleID :
WC-4539-02DL

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	601079		
137	10.7	8.9	13.3	
54	8.8	6.6	9.8	
68	6.6	5.0	7.4	

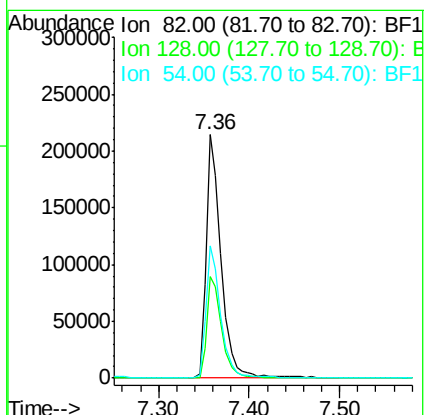
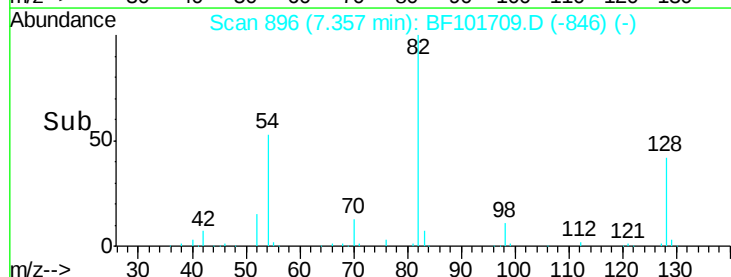
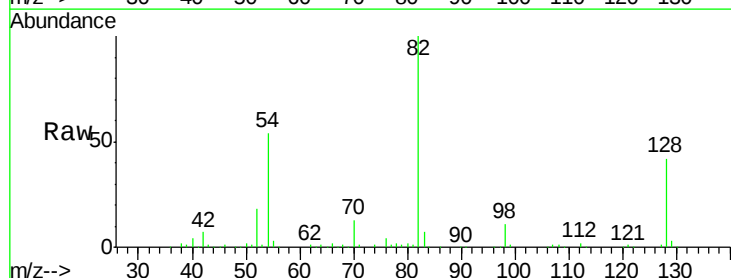
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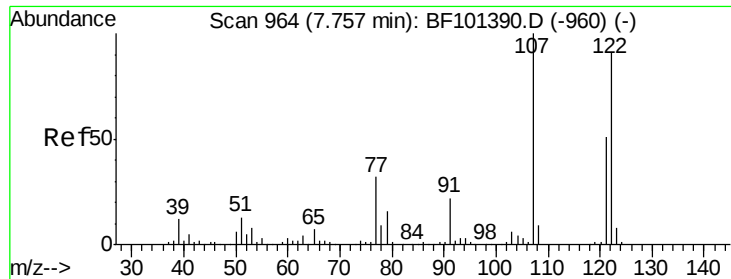
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#23
Nitrobenzene-d5
Concen: 23.112 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101709.D
Acq: 26 Dec 2017 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	249567		
128	41.7	36.1	54.1	
54	54.4	41.4	62.2	





#27

2,4-Dimethylphenol

Concen: 18.445 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF101709.D

Acq: 26 Dec 2017 12:24

Instrument :

BNA_F

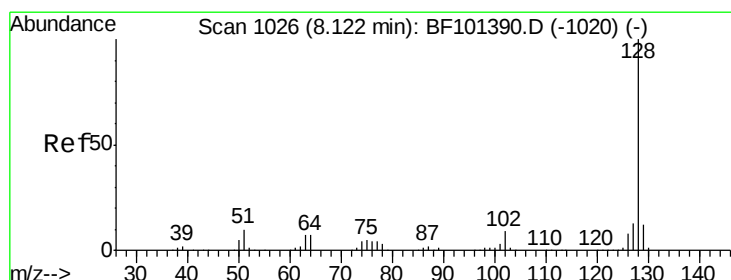
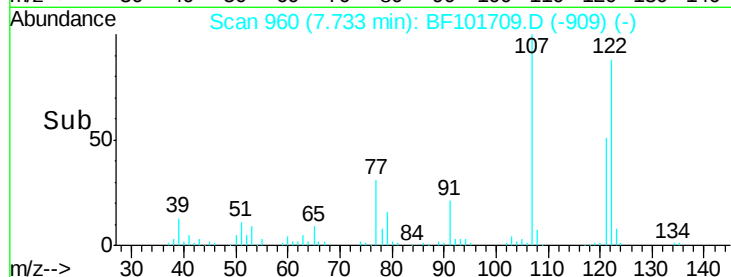
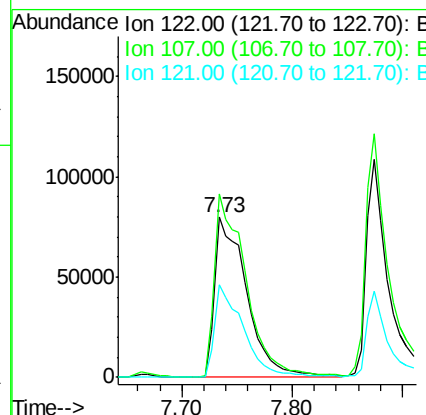
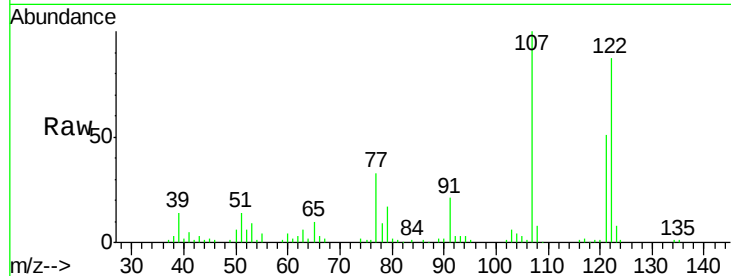
ClientSampleId :

WC-4539-02DL

Tgt Ion:	122	Resp:	160881
Ion Ratio	Lower	Upper	
122	100		
107	114.5	91.2	136.8
121	58.1	47.2	70.8

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#31

Naphthalene

Concen: 82.912 ng

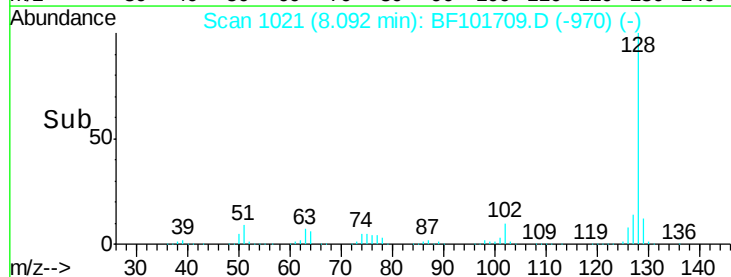
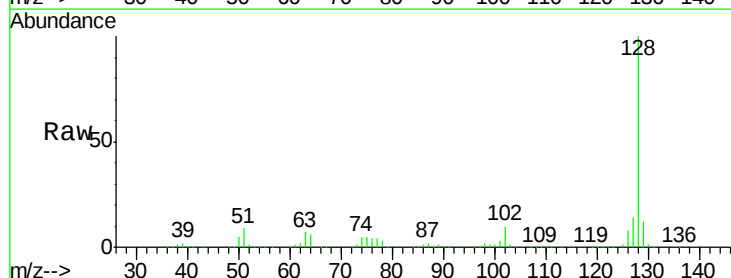
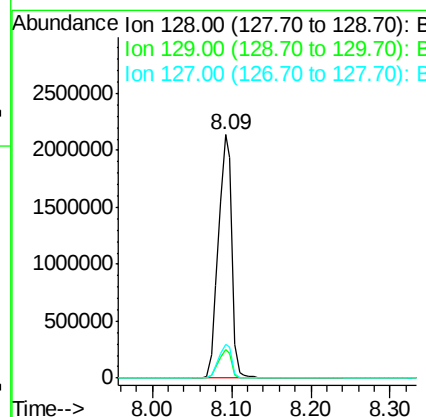
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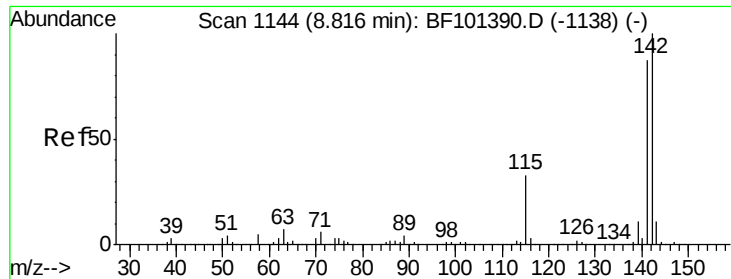
Delta R.T. -0.00 min

Lab File: BF101709.D

Acq: 26 Dec 2017 12:24

Tgt Ion:	128	Resp:	2508960
Ion Ratio	Lower	Upper	
128	100		
129	11.8	8.8	13.2
127	14.1	10.9	16.3





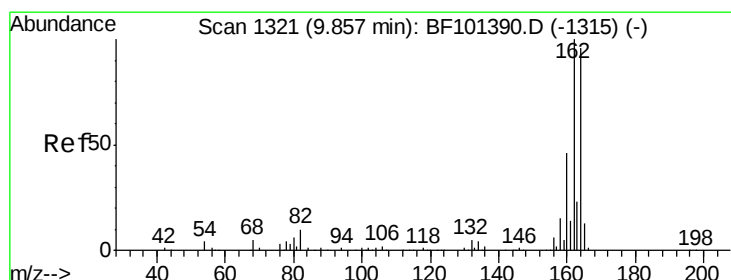
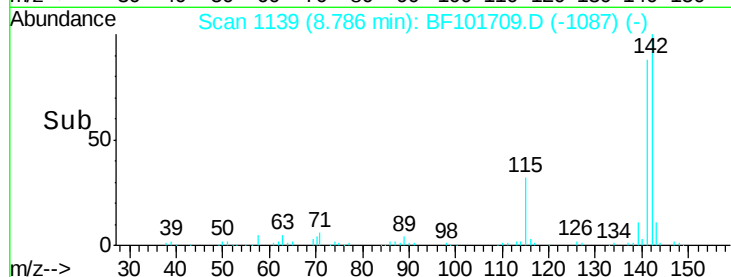
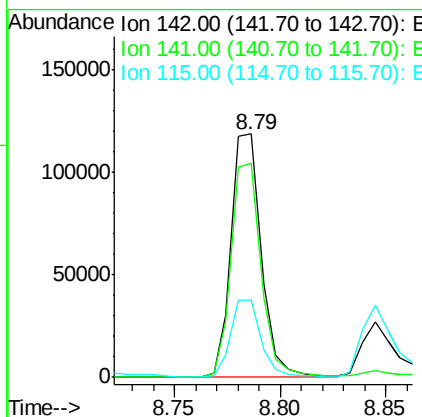
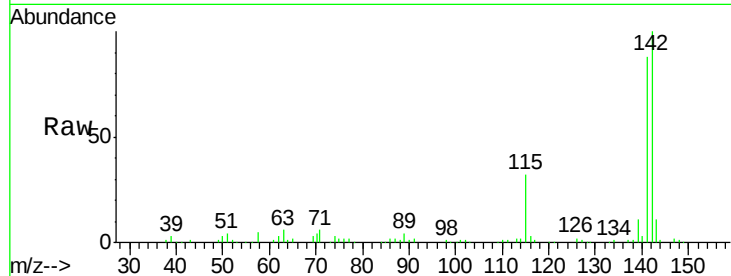
#37
2-Methylnaphthalene
Concen: 5.968 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF101709.D
Acq: 26 Dec 2017 12:24

Instrument :
BNA_F
ClientSampleId :
WC-4539-02DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.8	106.2
115	31.8	26.1	39.1

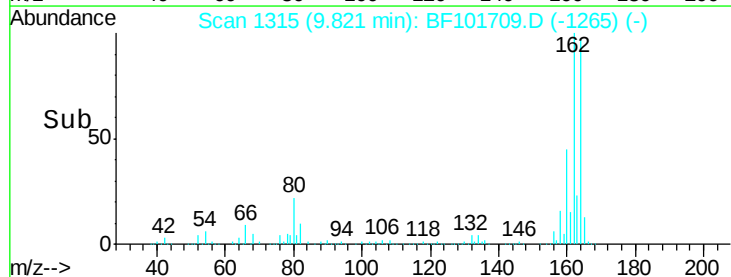
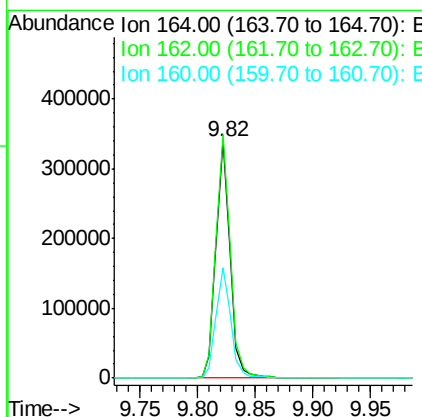
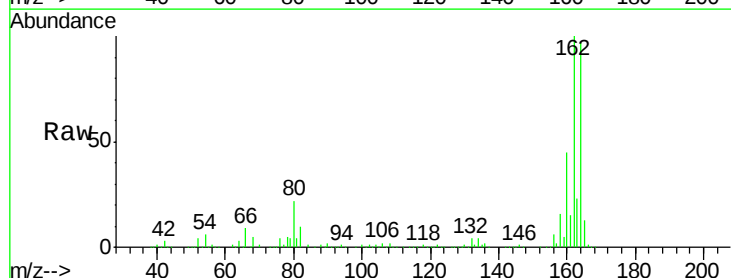
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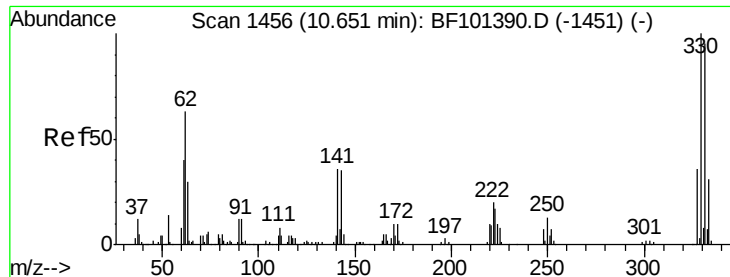
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101709.D
Acq: 26 Dec 2017 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	46.7	38.3	57.5





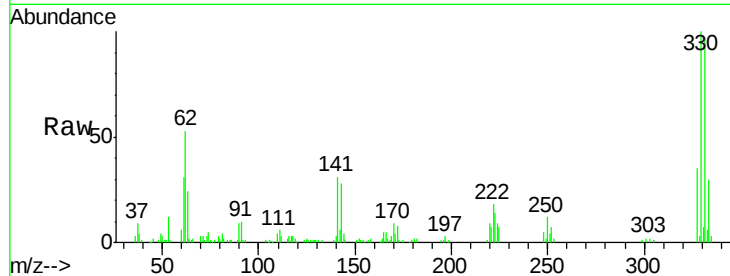
#41
 2,4,6-Tribromophenol
 Concen: 35.943 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101709.D
 Acq: 26 Dec 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	100756		
332	95.4	77.0	115.6	
141	35.2	29.9	44.9	

Manual Integrations
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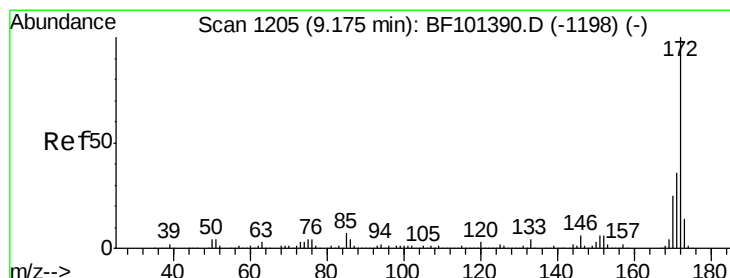
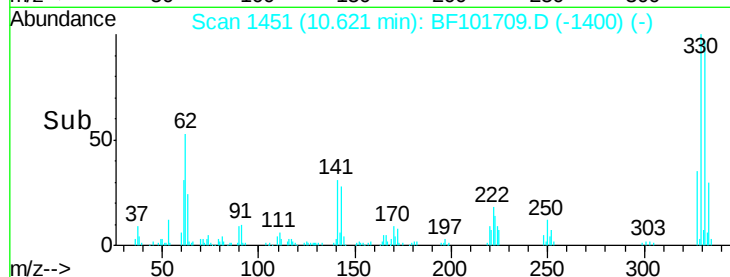
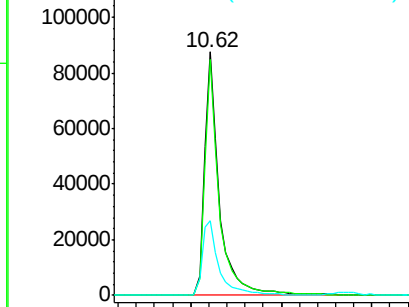


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 25.783 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101709.D
 Acq: 26 Dec 2017 12:24

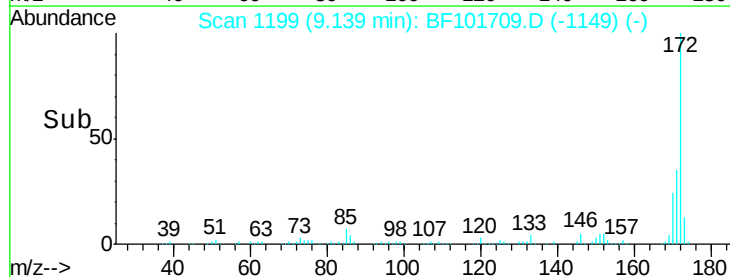
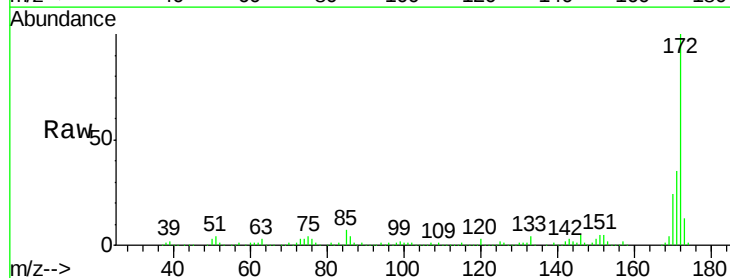
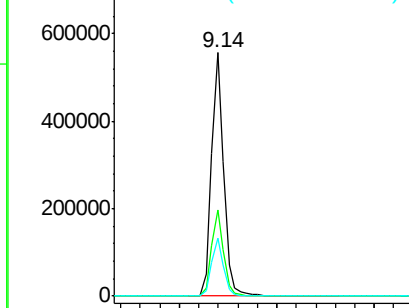
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	483530		
171	35.5	29.7	44.5	
170	24.0	19.6	29.4	

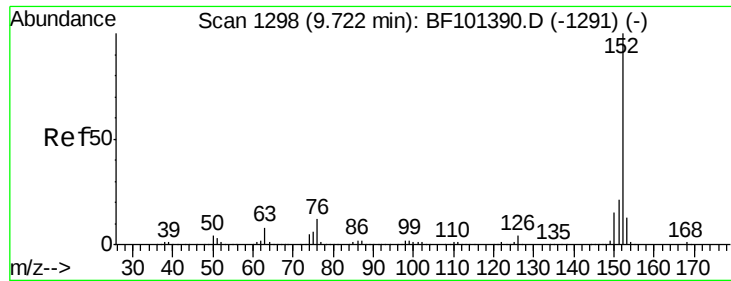
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 5.957 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BF101709.D

Acq: 26 Dec 2017 12:24

Instrument :

BNA_F

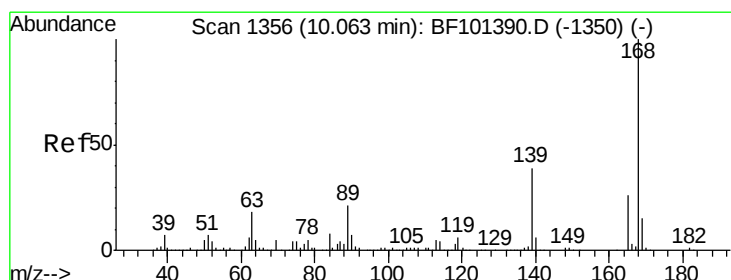
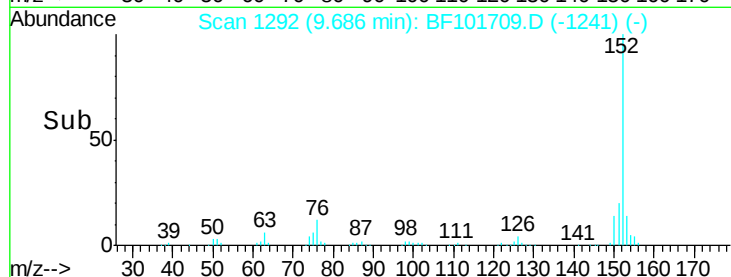
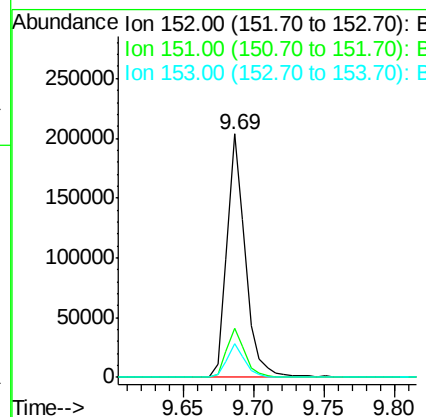
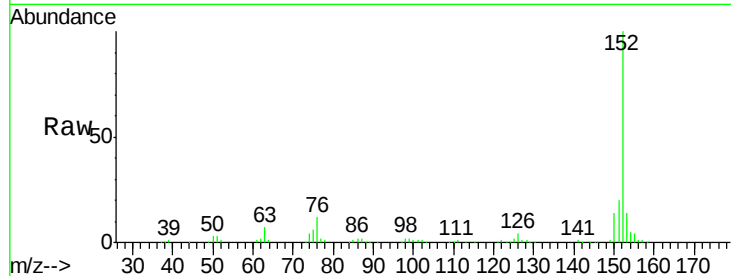
ClientSampled :

WC-4539-02DL

Tgt Ion:	152	Resp:	185749
Ion Ratio		Lower	Upper
152	100		
151	20.4	16.3	24.5
153	14.1	10.7	16.1

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#54

Dibenzofuran

Concen: 3.179 ng

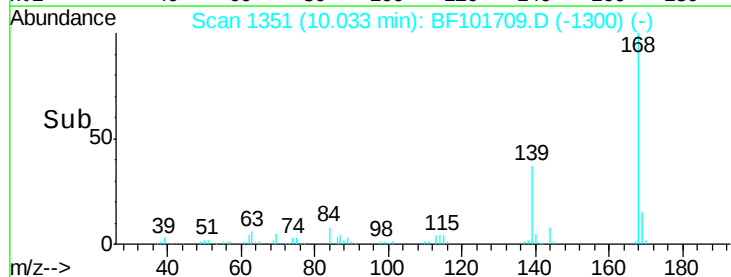
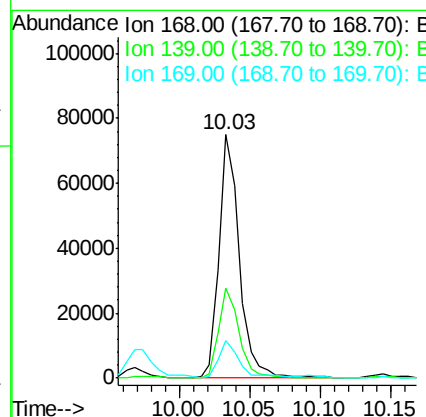
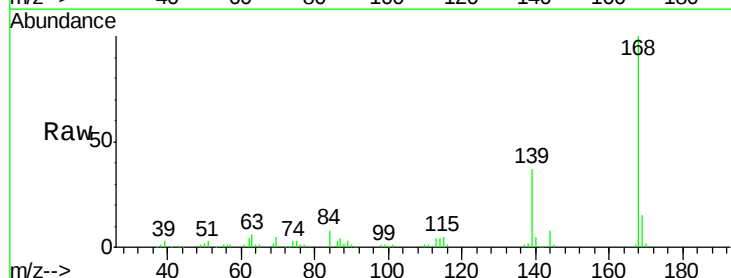
RT: 10.03 min Scan# 1351

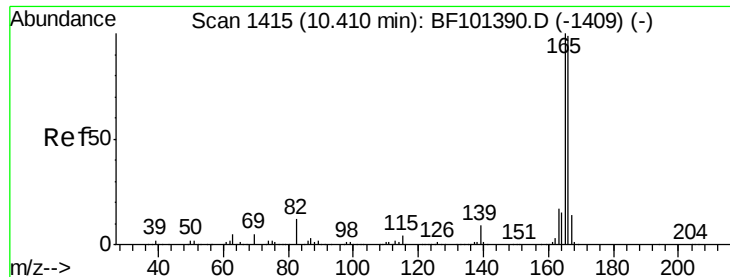
Delta R.T. -0.00 min

Lab File: BF101709.D

Acq: 26 Dec 2017 12:24

Tgt Ion:	168	Resp:	75686
Ion Ratio		Lower	Upper
168	100		
139	36.8	30.1	45.1
169	15.4	10.9	16.3





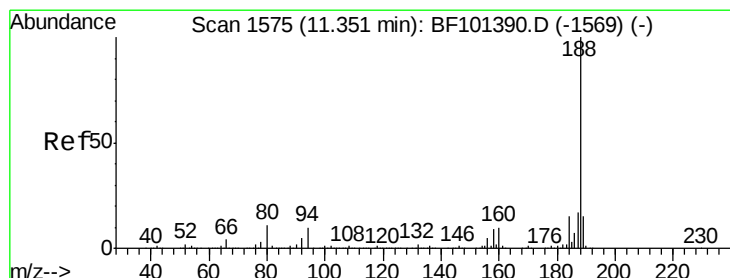
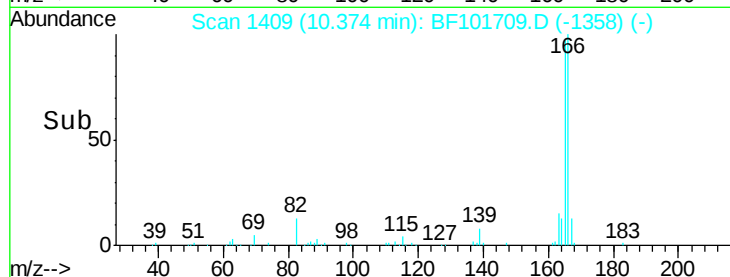
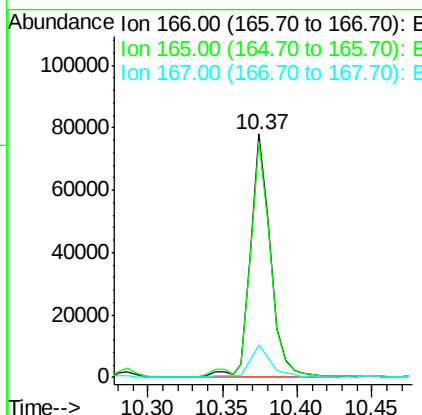
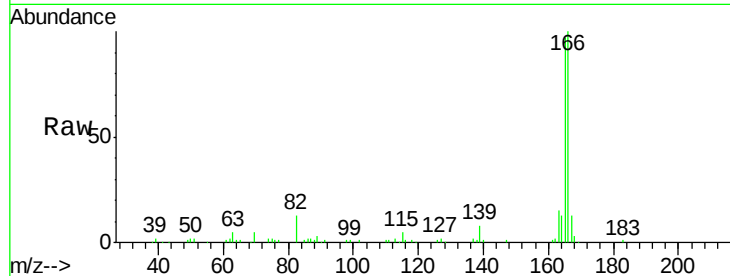
#57
Fluorene
 Concen: 3.556 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: BF101709.D
 Acq: 26 Dec 2017 12:24

Instrument :
 BNA_F
 ClientSampleID :
 WC-4539-02DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	71621		
165	96.8	79.8	119.8	
167	13.3	10.6	16.0	

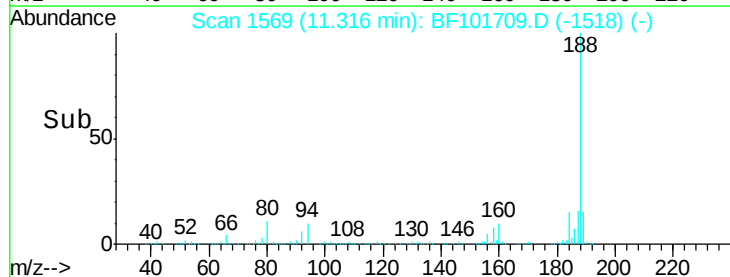
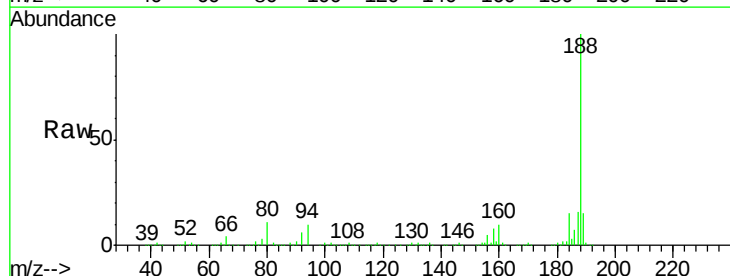
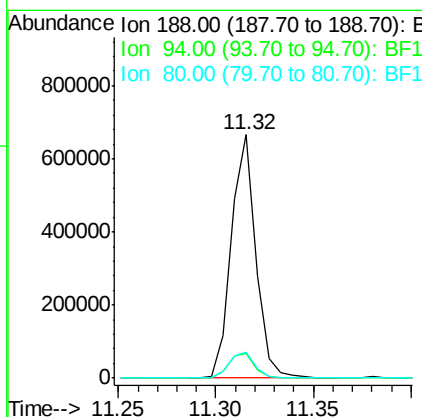
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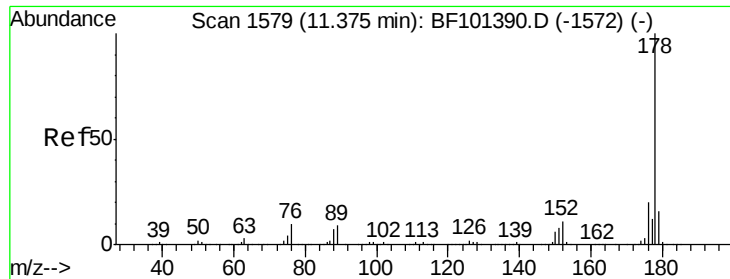
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF101709.D
 Acq: 26 Dec 2017 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	578441		
94	10.4	8.5	12.7	
80	10.7	9.2	13.8	





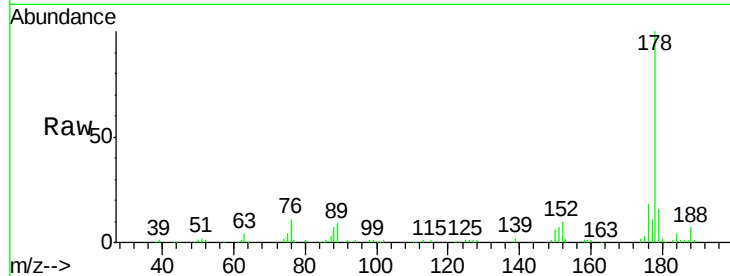
#70
 Phenanthrene
 Concen: 2.956 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF101709.D
 Acq: 26 Dec 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-02DL

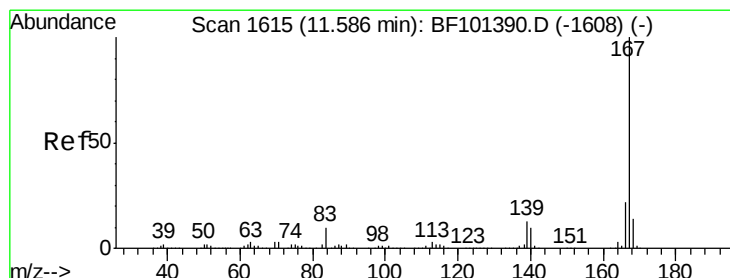
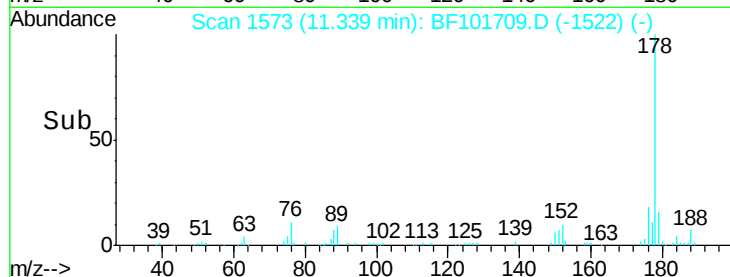
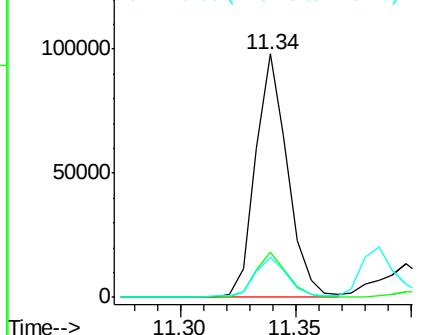
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	16.4	13.0	19.6

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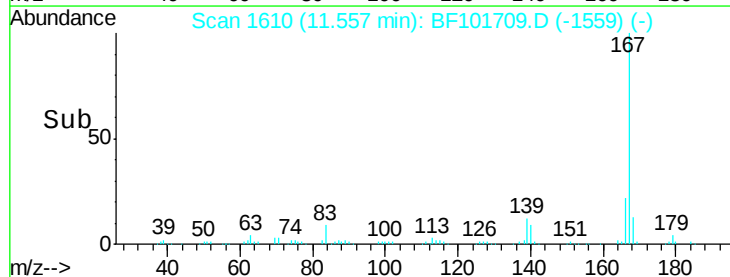
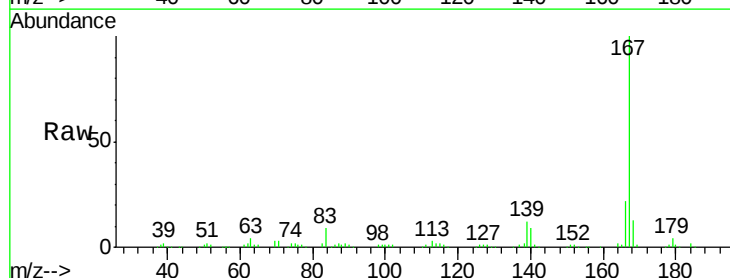
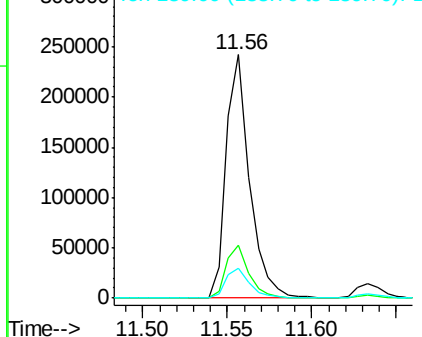
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

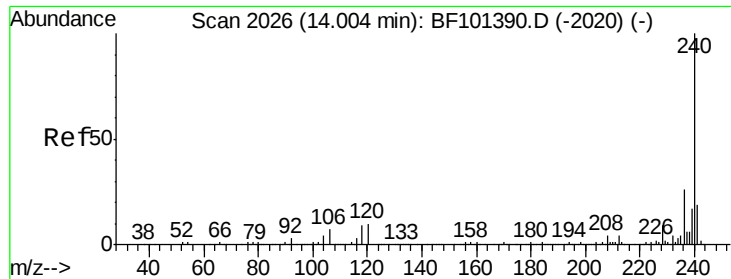


#72
 Carbazole
 Concen: 7.638 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF101709.D
 Acq: 26 Dec 2017 12:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.3	10.9	16.3

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





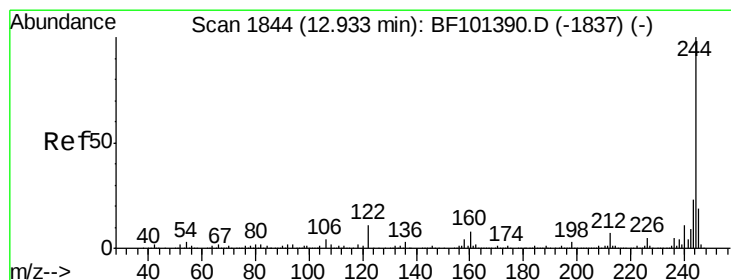
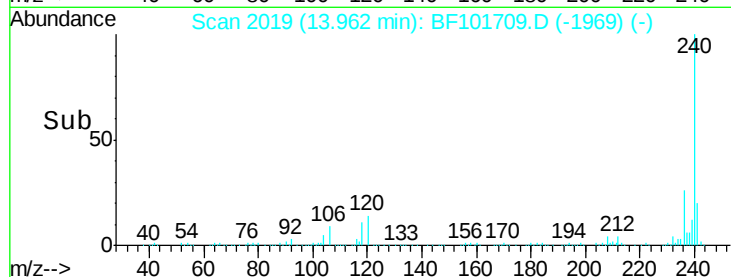
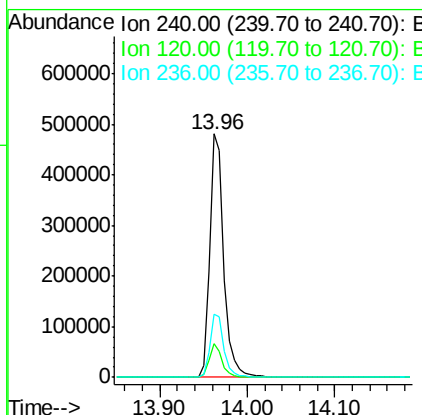
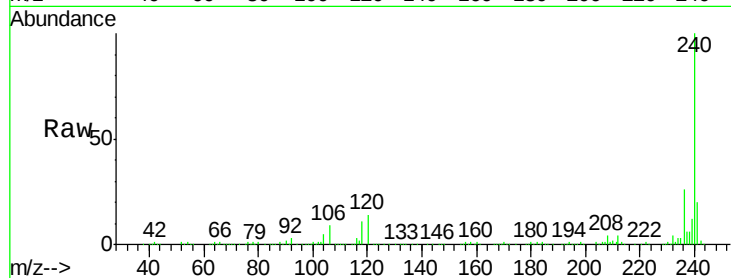
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101709.D
Acq: 26 Dec 2017 12:24

Instrument :
BNA_F
ClientSampleId :
WC-4539-02DL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.5	14.3
236	26.0	20.7	31.1

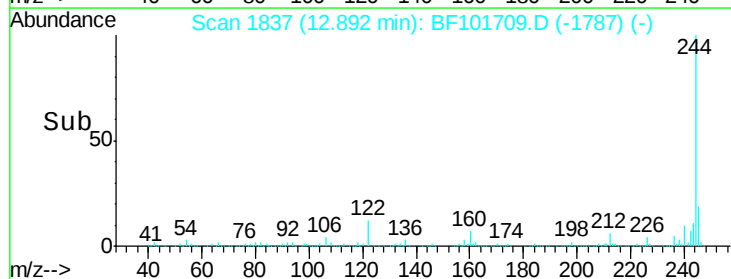
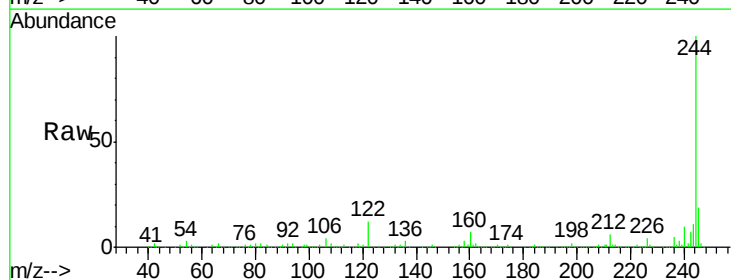
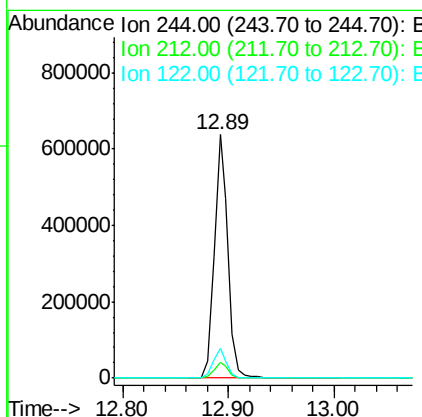
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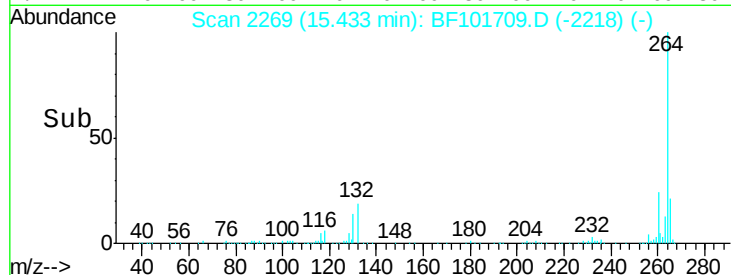
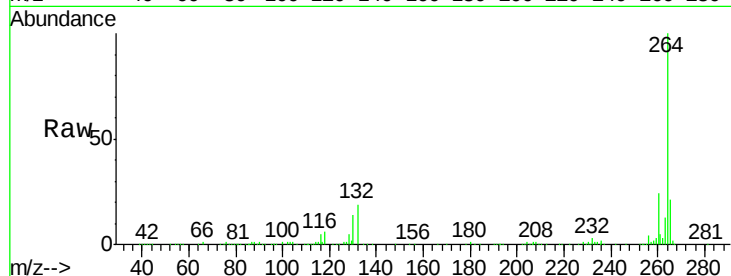
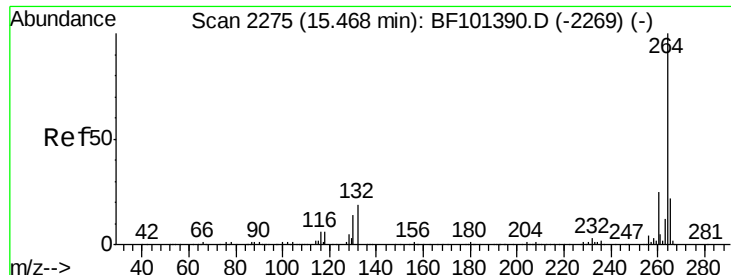
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#78
Terphenyl-d14
Concen: 26.262 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF101709.D
Acq: 26 Dec 2017 12:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.1	11.0	16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101709.D
Acq: 26 Dec 2017 12:24

Instrument :
BNA_F
ClientSampleId :
WC-4539-02DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.0	17.5	26.3

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