

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101697.D
 Acq On : 23 Dec 2017 12:11
 Operator : SJ/JU
 Sample : I6844-03
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01

Manual Integrations
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 12/26/2017 1:38:03 PM

Quant Time: Dec 25 02:56:45 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	154349	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	459739	20.00	ng	0.01
38) Acenaphthene-d10	9.82	164	265961	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	451100	20.00	ng	0.00
75) Chrysene-d12	13.96	240	310775	20.00	ng	0.00
86) Perylene-d12	15.43	264	289093	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1289367	124.43	ng	0.02
7) Phenol-d6	6.45	99	1047809	81.25	ng	0.02
23) Nitrobenzene-d5	7.37	82	1066632	129.15	ng	0.01
41) 2,4,6-Tribromophenol	10.62	330	337925	131.86	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1597495	93.18	ng	0.00
78) Terphenyl-d14	12.90	244	1355638	105.16	ng	0.00
Target Compounds						
10) Phenol	6.50	94	6185753	420.851	ng	Qvalue 94
17) 2-Methylphenol	7.07	107	1451113	144.727	ng	97
20) 3+4-Methylphenols	7.25	107	4205983	395.861	ng	87
27) 2,4-Dimethylphenol	7.76	122	1196699	179.379	ng	94
31) Naphthalene	8.10	128	6955227	300.507	ng	98
37) 2-Methylnaphthalene	8.79	142	579143	38.406	ng	99
45) 1,1'-Biphenyl	9.25	154	123106	5.219	ng	98
48) Acenaphthylene	9.69	152	732083	25.682	ng	99
51) Acenaphthene	9.86	154	41605	2.429	ng	85
54) Dibenzofuran	10.03	168	294905	13.550	ng	99
57) Fluorene	10.37	166	263946	14.336	ng	# 97
70) Phenanthrene	11.34	178	316368	12.611	ng	100
71) Anthracene	11.39	178	69771m	2.723	ng	
72) Carbazole	11.55	167	786628	32.788	ng	99

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

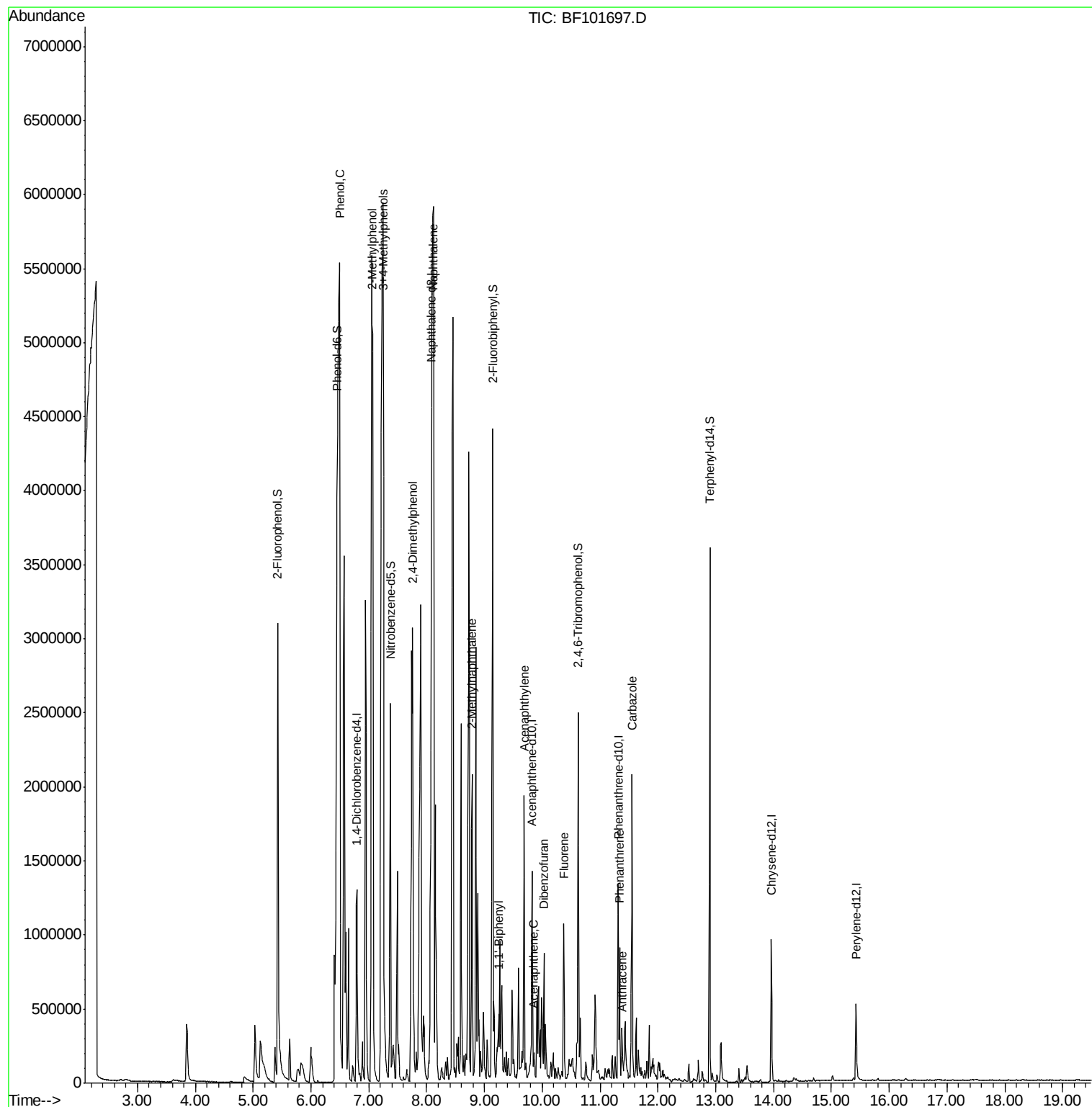
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
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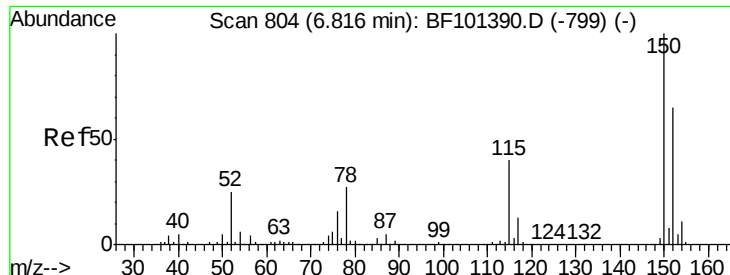
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#1

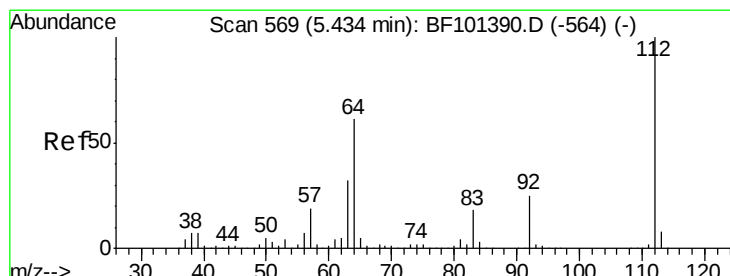
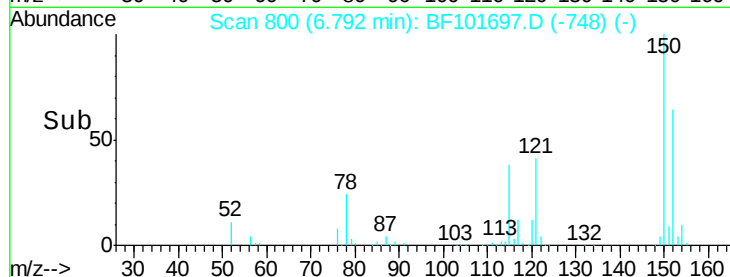
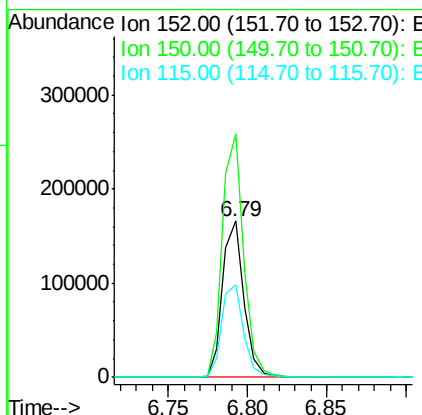
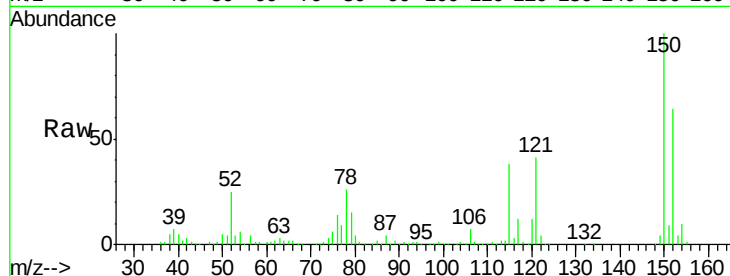
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF101697.D
Acq: 23 Dec 2017 12:11

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	59.5	50.1	75.1

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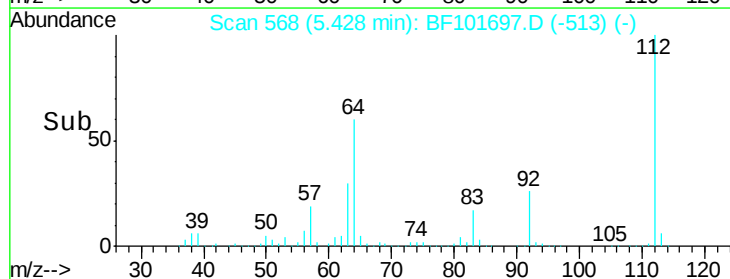
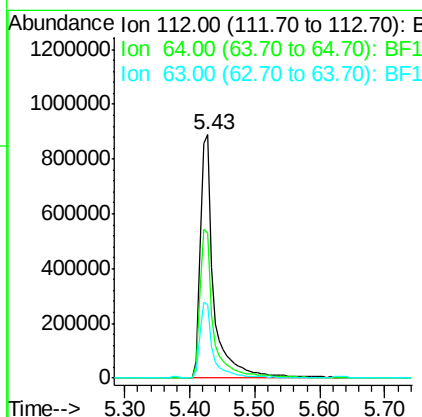
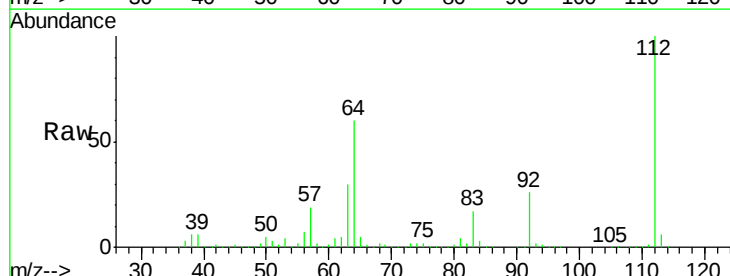
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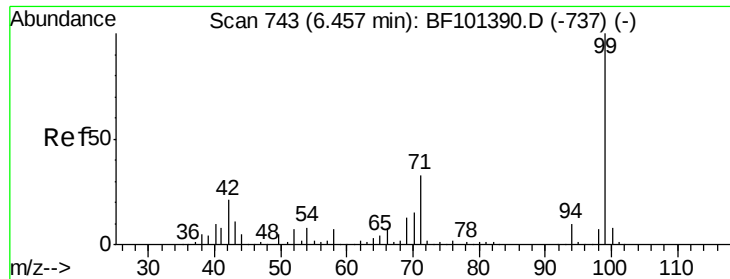


#5

2-Fluorophenol
Concen: 124.433 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101697.D
Acq: 23 Dec 2017 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 81.252 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF101697.D

Acq: 23 Dec 2017 12:11

Instrument :

BNA_F

ClientSampled :

WC-9974103-01

Tgt Ion: 99 Resp: 1047809

Ion Ratio Lower Upper

99 100

42 24.4 14.5 21.7#

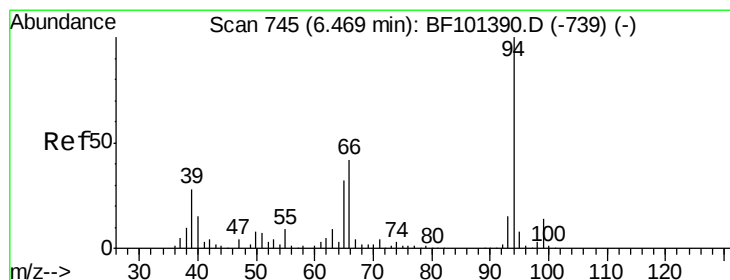
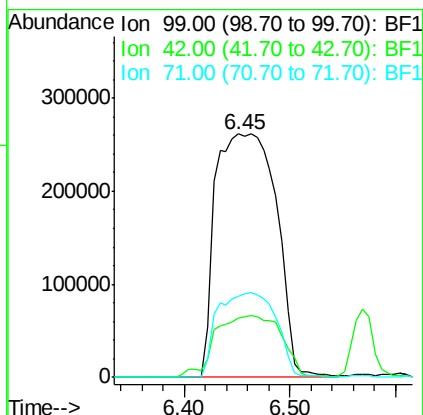
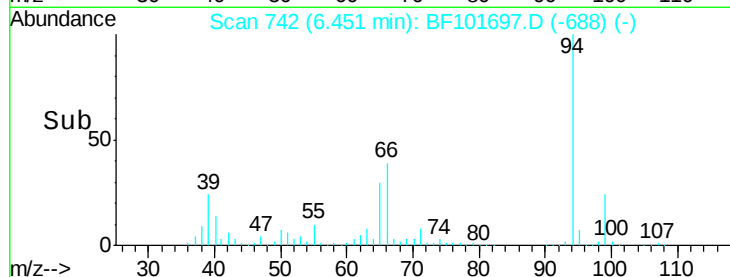
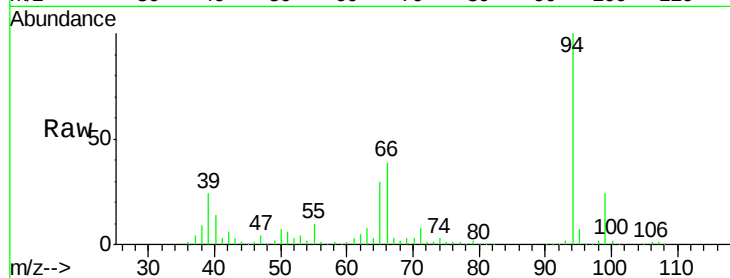
71 33.5 25.4 38.0

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#10

Phenol

Concen: 420.851 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.06 min

Lab File: BF101697.D

Acq: 23 Dec 2017 12:11

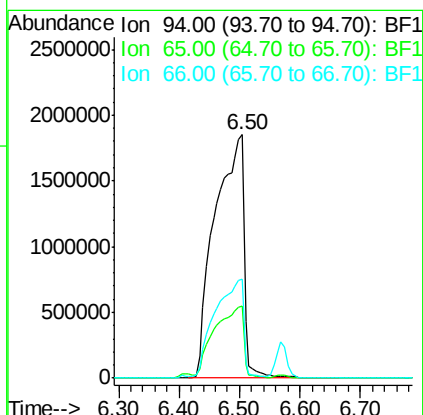
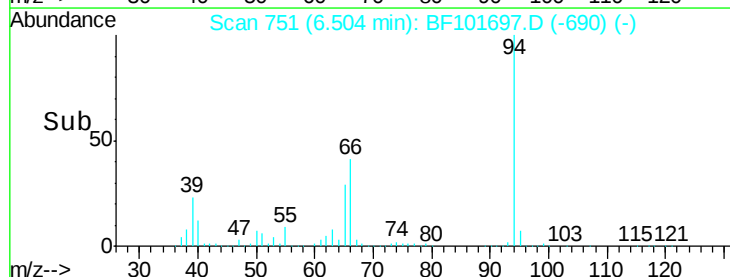
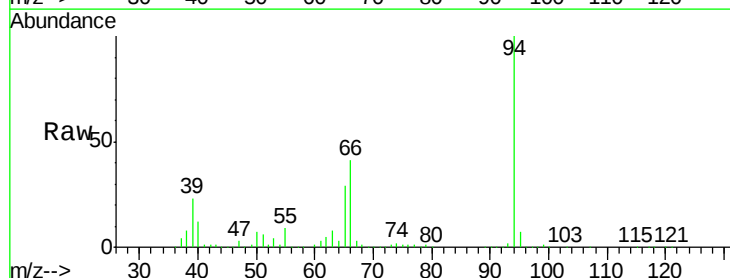
Tgt Ion: 94 Resp: 6185753

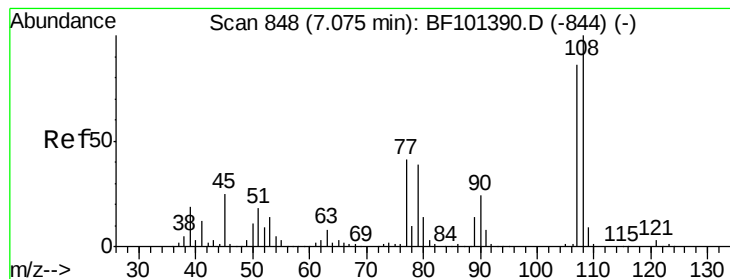
Ion Ratio Lower Upper

94 100

65 29.5 7.9 47.9

66 40.7 16.2 56.2





#17

2-Methylphenol

Concen: 144.727 ng

RT: 7.07 min Scan# 847

Delta R.T. 0.02 min

Lab File: BF101697.D

Acq: 23 Dec 2017 12:11

Instrument :

BNA_F

ClientSampled :

WC-9974103-01

Tgt Ion:107 Resp: 1451113

Ion Ratio Lower Upper

107 100

108 110.9 91.7 137.5

77 43.9 33.8 50.8

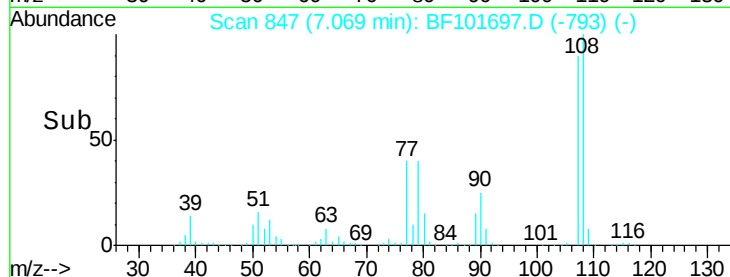
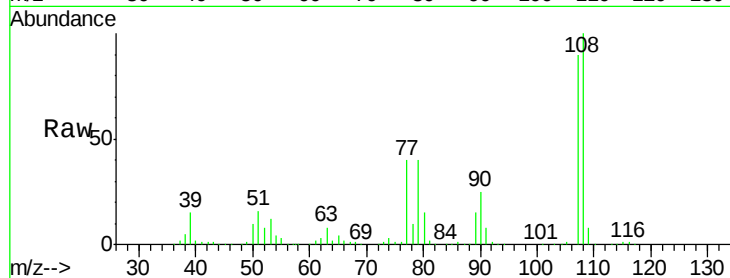
79 44.8 33.8 50.8

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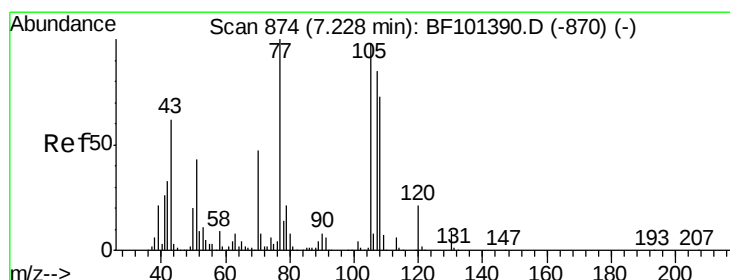
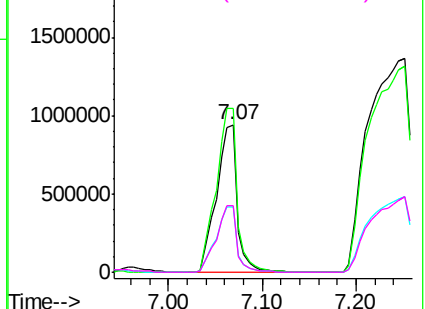
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#20

3+4-Methylphenols

Concen: 395.861 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.04 min

Lab File: BF101697.D

Acq: 23 Dec 2017 12:11

Tgt Ion:107 Resp: 4205983

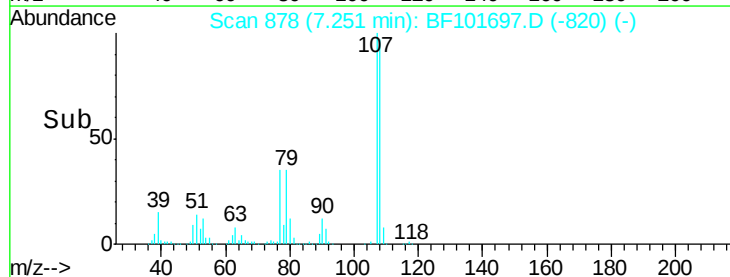
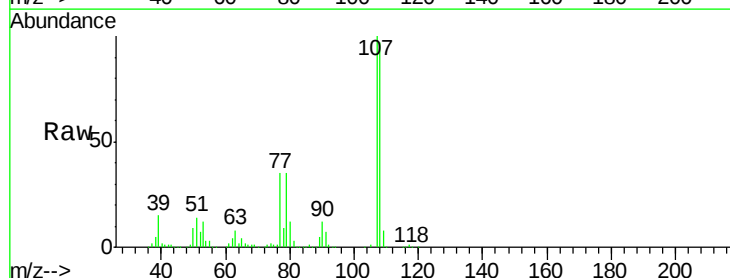
Ion Ratio Lower Upper

107 100

108 96.5 68.2 108.2

77 35.2 26.7 66.7

79 35.3 6.3 46.3



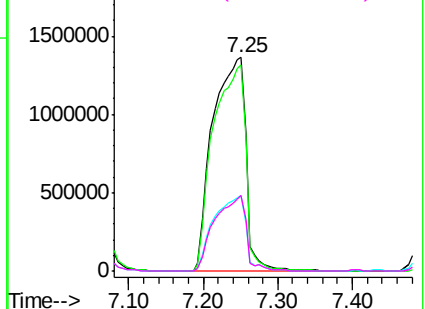
Abundance

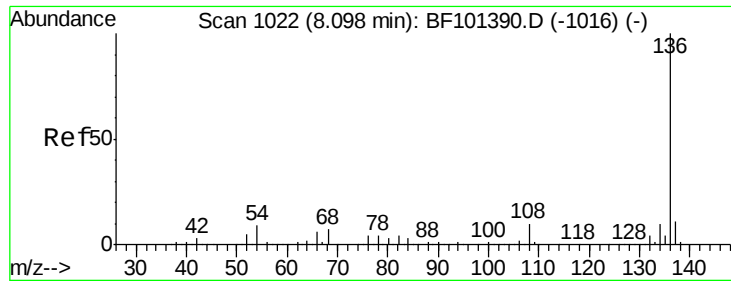
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





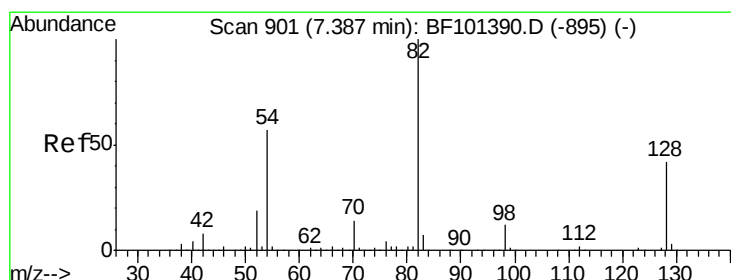
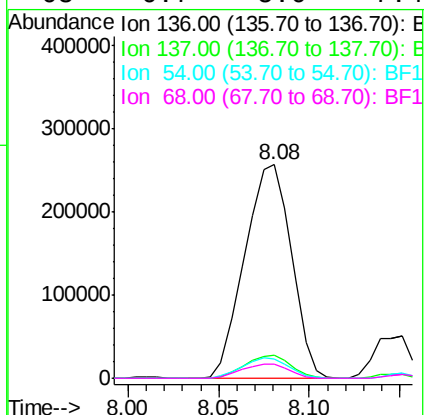
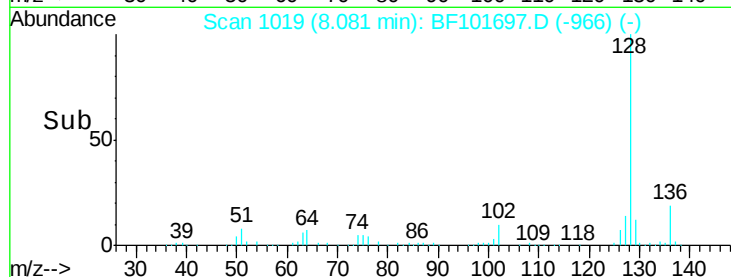
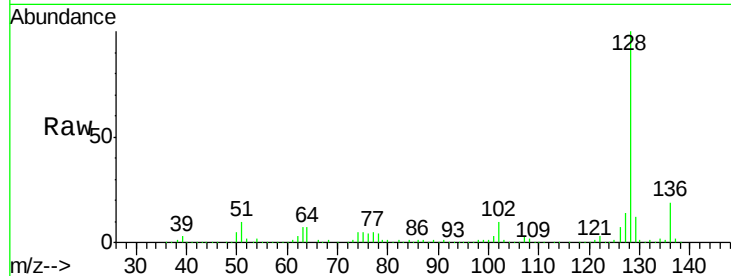
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF101697.D
Acq: 23 Dec 2017 12:11

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	459739		
137	10.7	8.9	13.3	
54	9.1	6.6	9.8	
68	6.7	5.0	7.4	

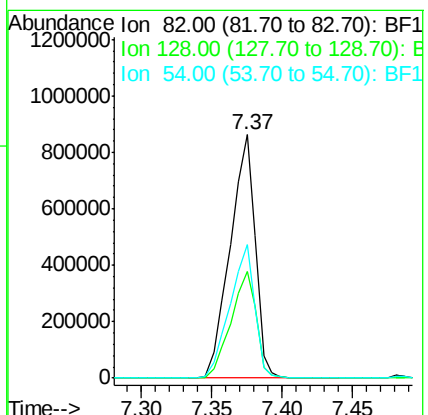
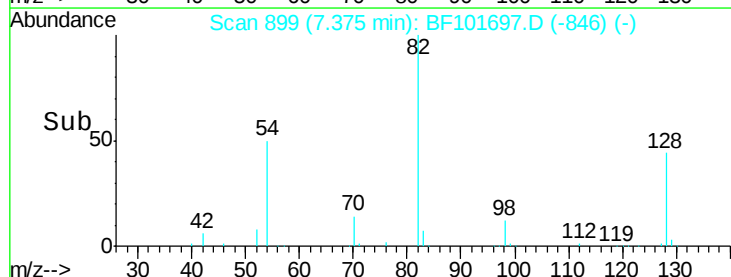
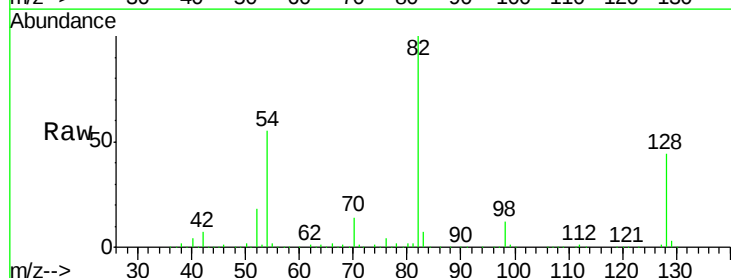
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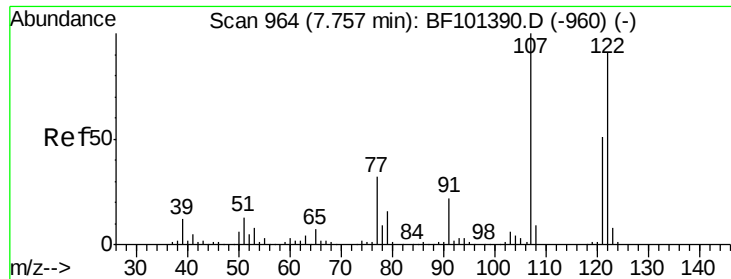
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#23
Nitrobenzene-d5
Concen: 129.149 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF101697.D
Acq: 23 Dec 2017 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1066632		
128	43.9	36.1	54.1	
54	54.7	41.4	62.2	





#27

2,4-Dimethylphenol

Concen: 179.379 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.02 min

Lab File: BF101697.D

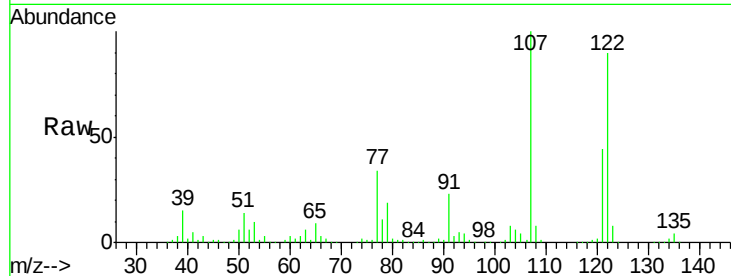
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Instrument :

BNA_F

ClientSampleId :

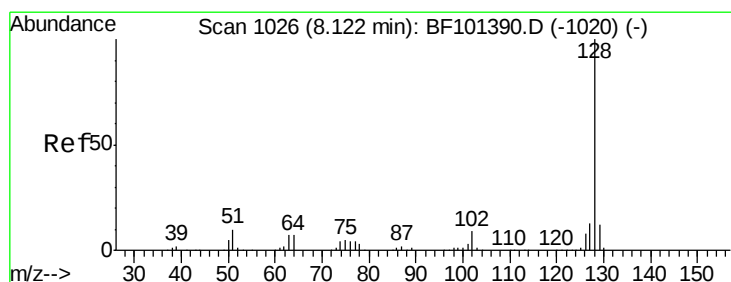
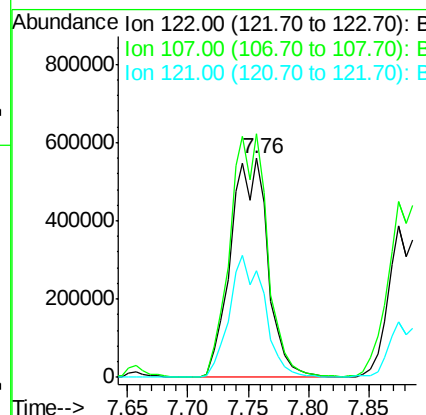
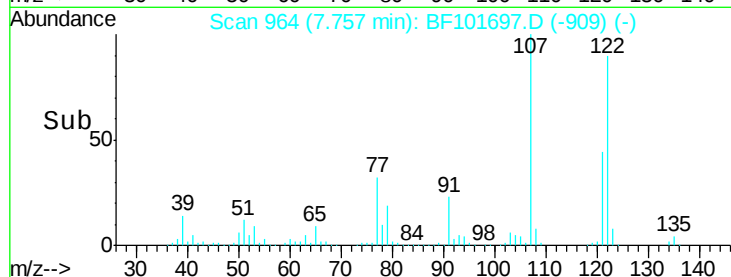
WC-9974103-01



Tgt Ion:	122	Resp:	1196699
Ion	Ratio	Lower	Upper
122	100		
107	111.2	91.2	136.8
121	48.8	47.2	70.8

Manual Integrations
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#31

Naphthalene

Concen: 300.507 ng

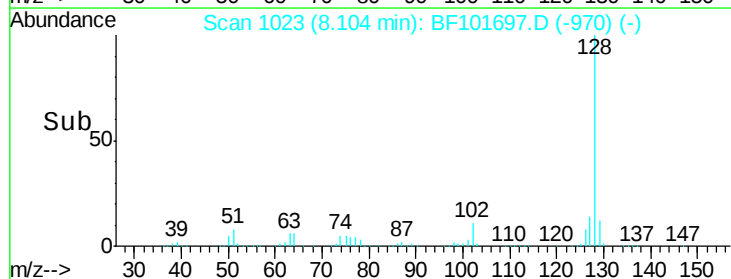
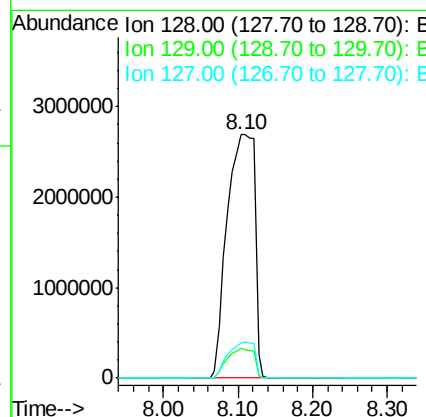
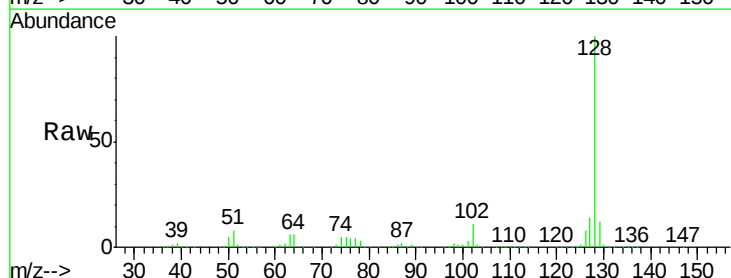
RT: 8.10 min Scan# 1023

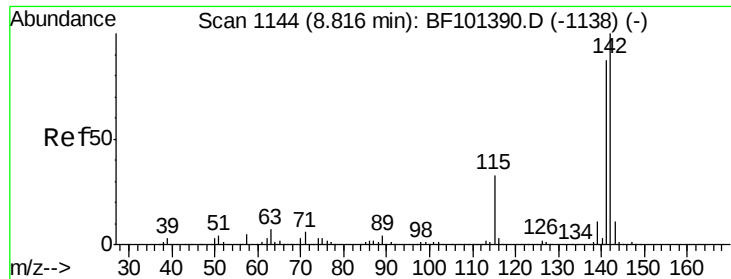
Delta R.T. 0.01 min

Lab File: BF101697.D

Acq: 23 Dec 2017 12:11

Tgt Ion:	128	Resp:	6955227
Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	14.4	10.9	16.3





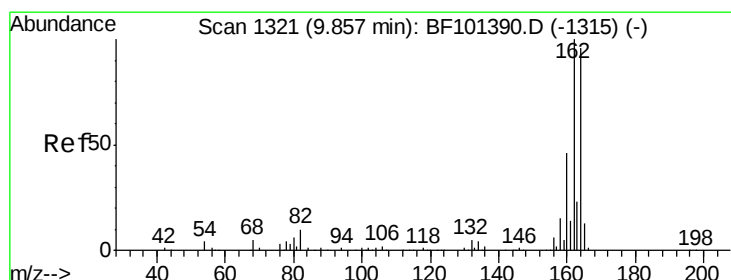
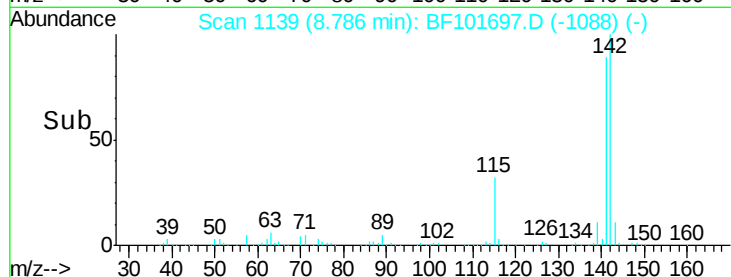
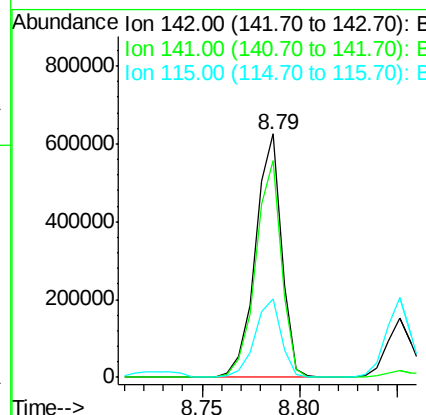
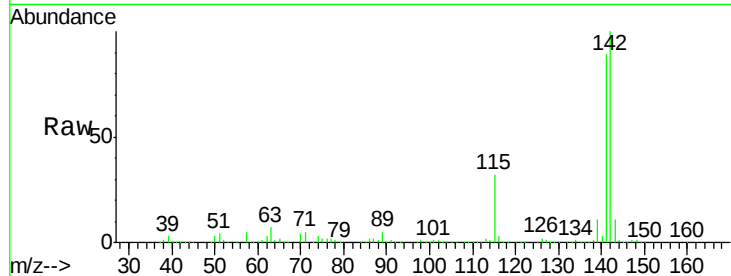
#37
2-Methylnaphthalene
Concen: 38.406 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF101697.D
Acq: 23 Dec 2017 12:11

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	579143		
141	89.3	70.8	106.2	
115	32.5	26.1	39.1	

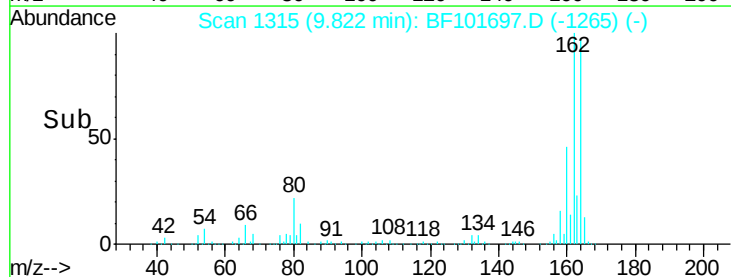
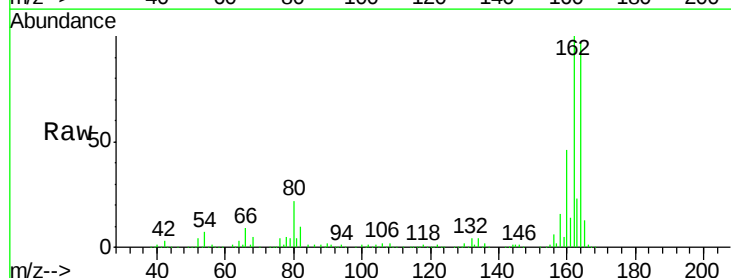
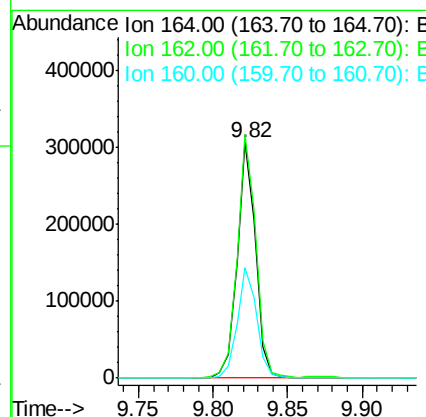
Manual Integrations
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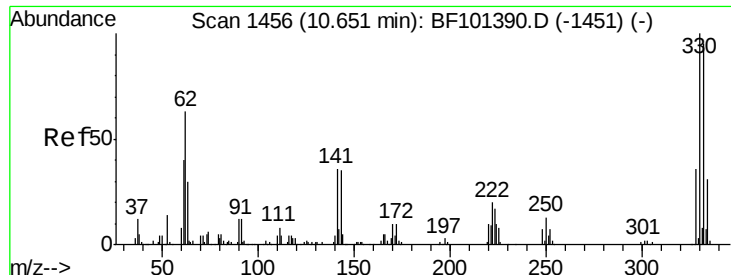
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101697.D
Acq: 23 Dec 2017 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	265961		
162	103.3	86.1	129.1	
160	47.2	38.3	57.5	





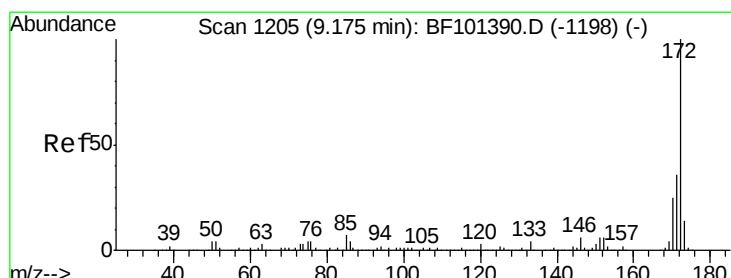
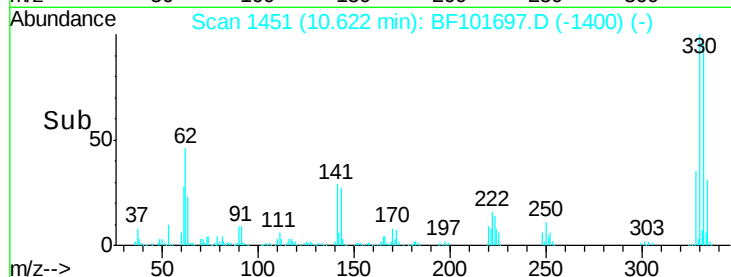
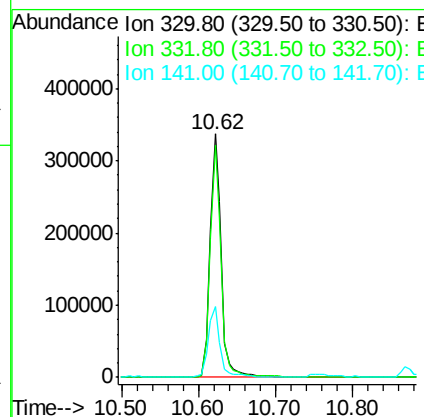
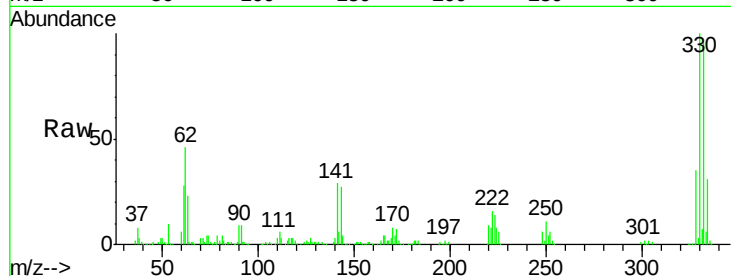
#41
 2,4,6-Tribromophenol
 Concen: 131.861 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101697.D
 Acq: 23 Dec 2017 12:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	337925		
332	93.9	77.0	115.6	
141	31.5	29.9	44.9	

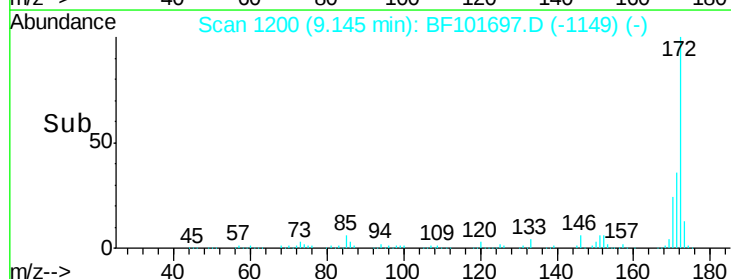
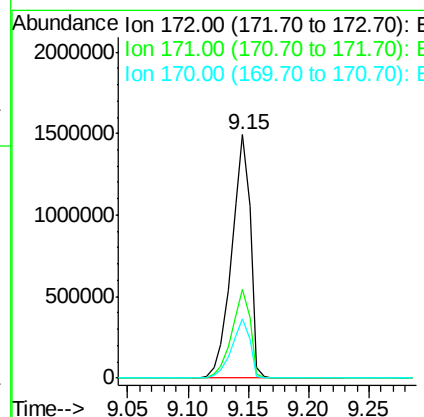
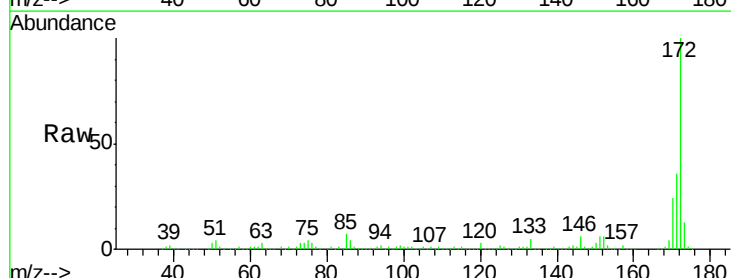
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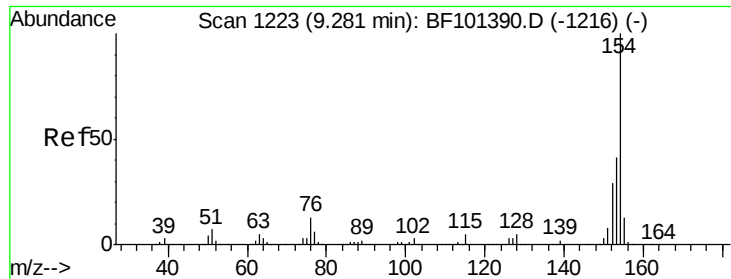
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#44
 2-Fluorobiphenyl
 Concen: 93.175 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101697.D
 Acq: 23 Dec 2017 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1597495		
171	36.3	29.7	44.5	
170	24.5	19.6	29.4	





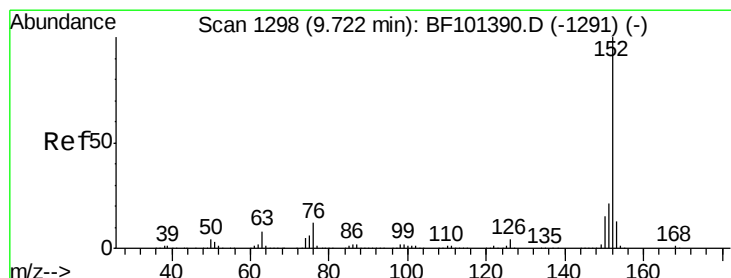
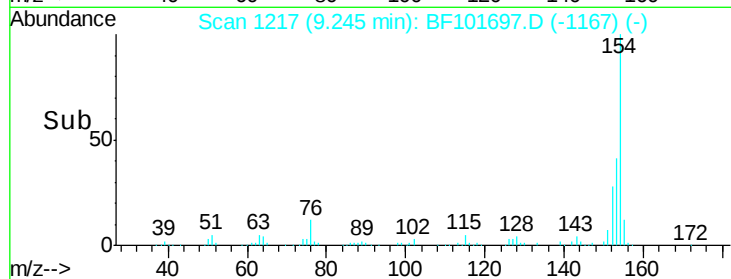
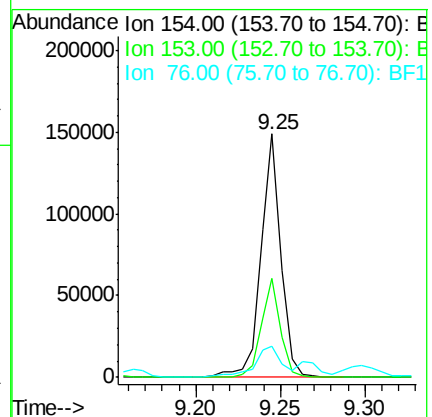
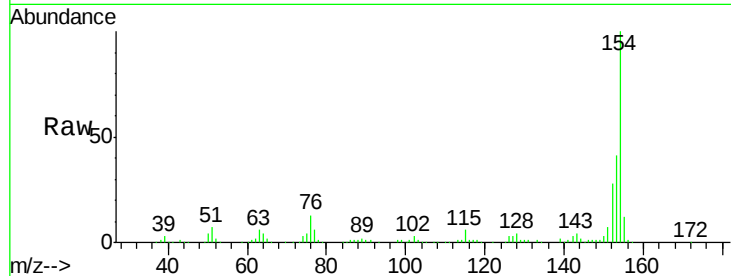
#45
 1,1'-Biphenyl
 Concen: 5.219 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF101697.D
 Acq: 23 Dec 2017 12:11

Instrument :
 BNA_F
 ClientSampled :
 WC-9974103-01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.5	21.3	61.3	
76	12.9	0.0	34.0	

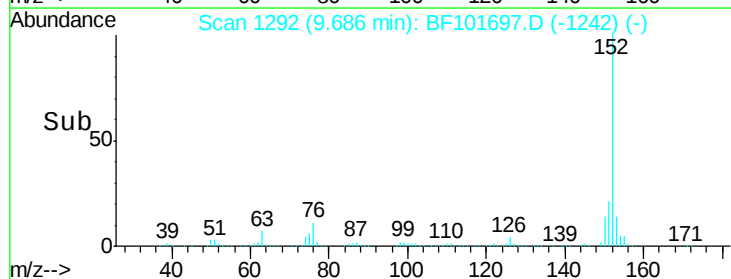
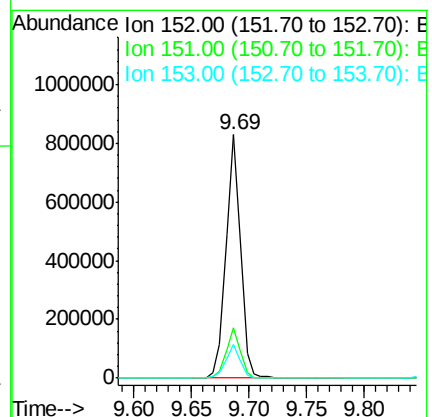
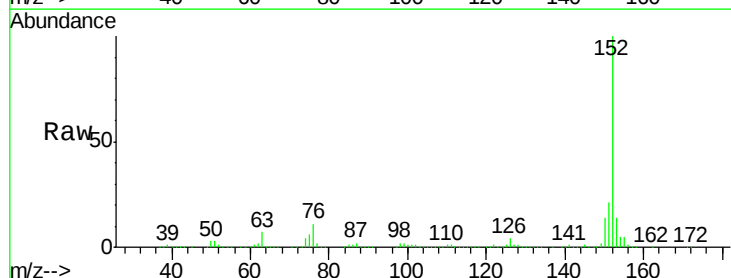
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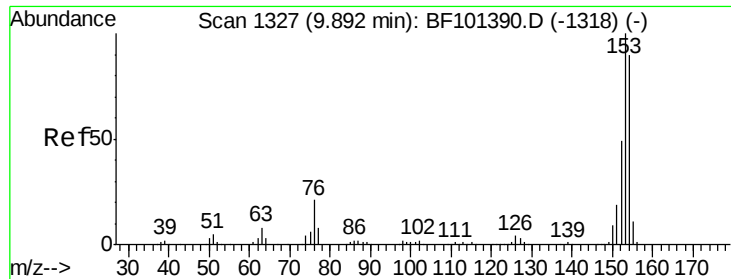
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#48
 Acenaphthylene
 Concen: 25.682 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF101697.D
 Acq: 23 Dec 2017 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.8	16.3	24.5	
153	13.6	10.7	16.1	





#51

Acenaphthene

Concen: 2.429 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF101697.D

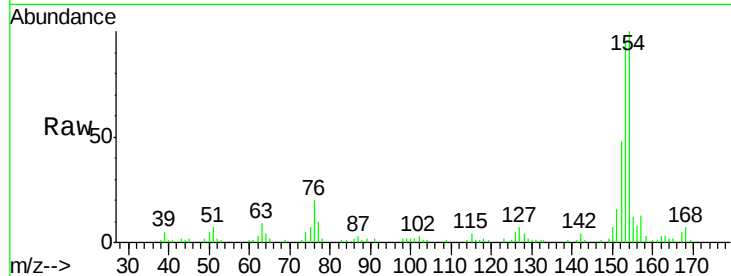
Acq: 23 Dec 2017 12:11

Instrument :

BNA_F

ClientSampled :

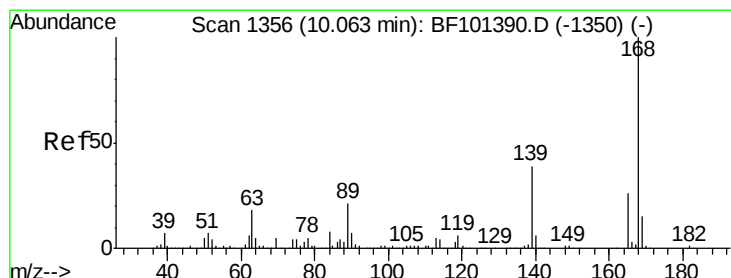
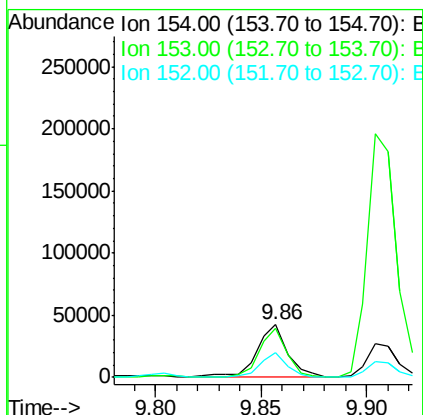
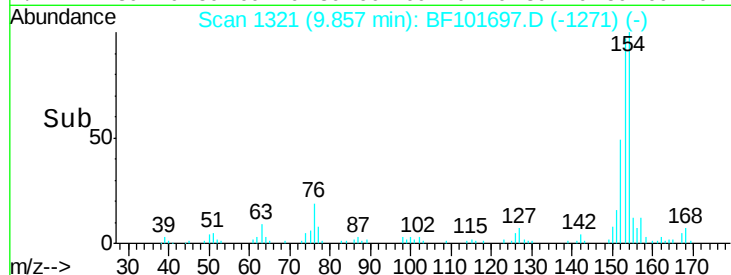
WC-9974103-01



Tgt Ion:	154	Resp:	41605
Ion Ratio	Lower	Upper	
154	100		
153	94.7	91.2	136.8
152	48.2	43.8	65.8

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#54

Dibenzofuran

Concen: 13.550 ng

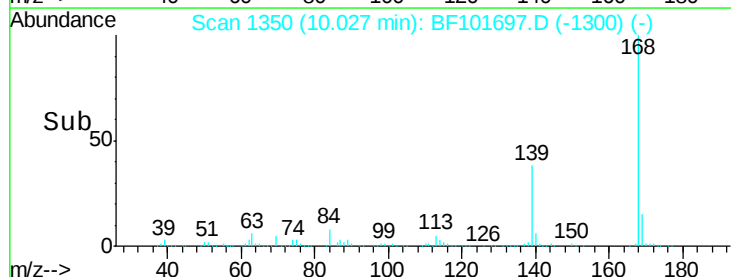
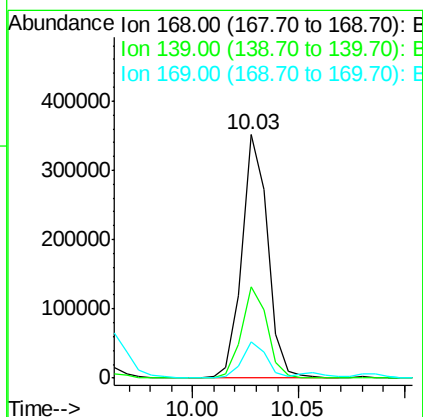
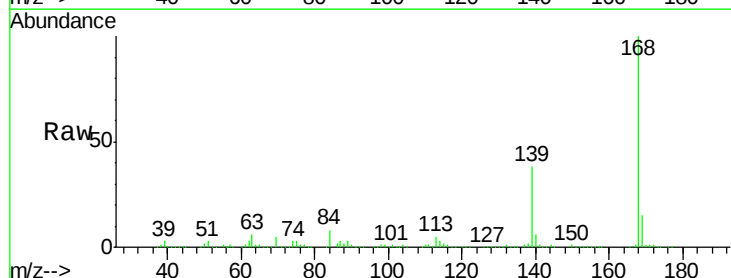
RT: 10.03 min Scan# 1350

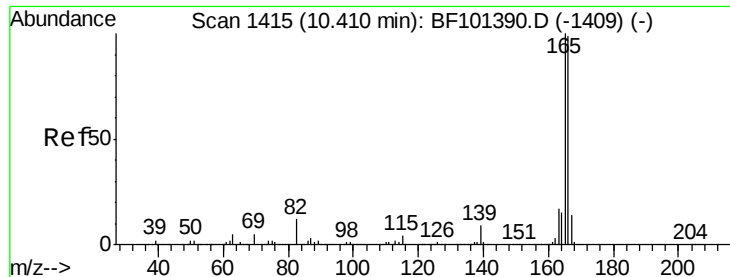
Delta R.T. -0.01 min

Lab File: BF101697.D

Acq: 23 Dec 2017 12:11

Tgt Ion:	168	Resp:	294905
Ion Ratio	Lower	Upper	
168	100		
139	37.7	30.1	45.1
169	14.7	10.9	16.3





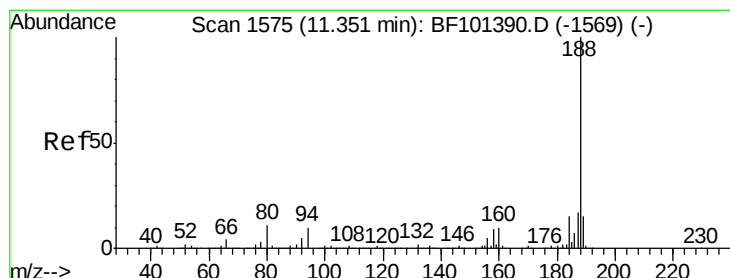
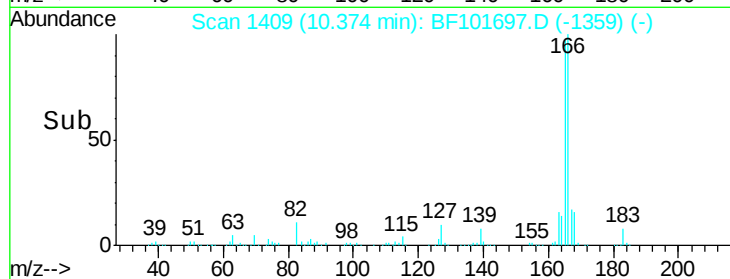
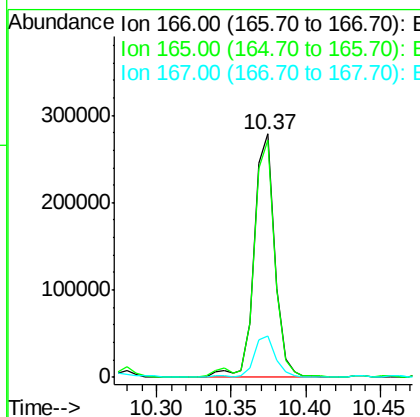
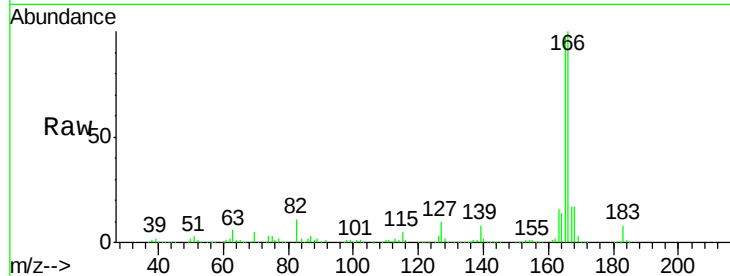
#57
Fluorene
 Concen: 14.336 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF101697.D
 Acq: 23 Dec 2017 12:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	263946		
165	97.5	79.8	119.8	
167	16.9	10.6	16.0#	

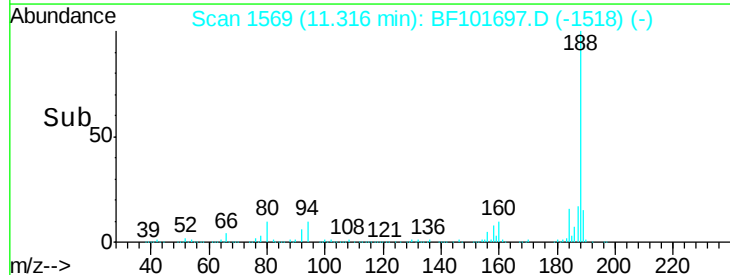
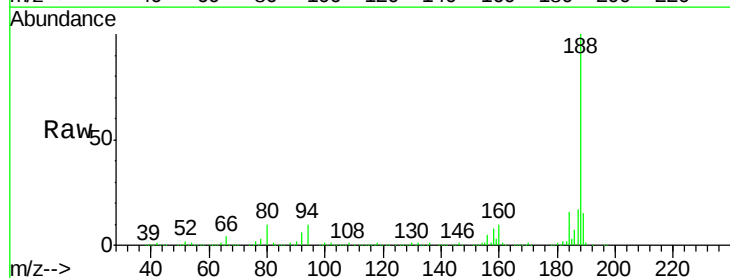
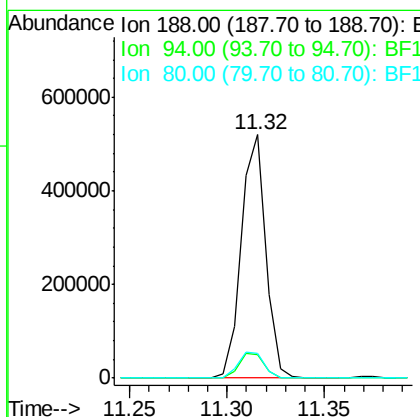
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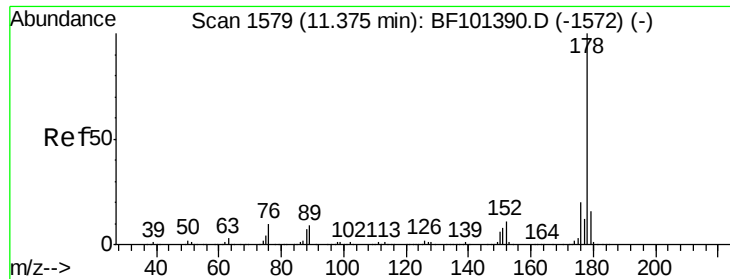
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF101697.D
 Acq: 23 Dec 2017 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	451100		
94	9.8	8.5	12.7	
80	10.4	9.2	13.8	





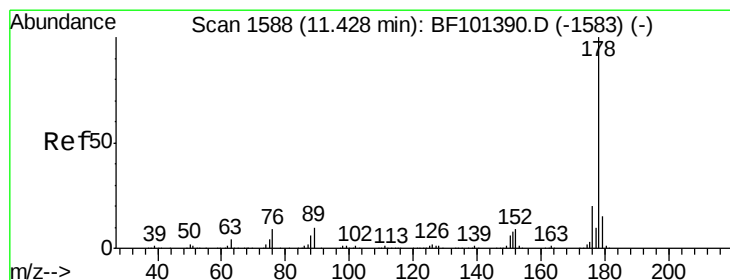
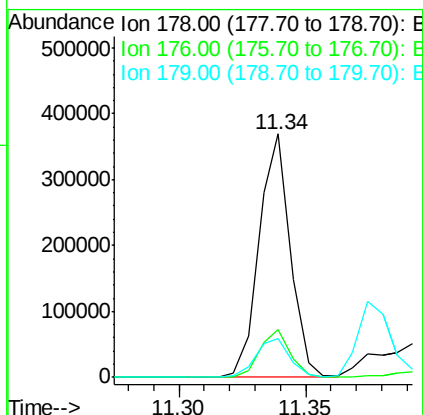
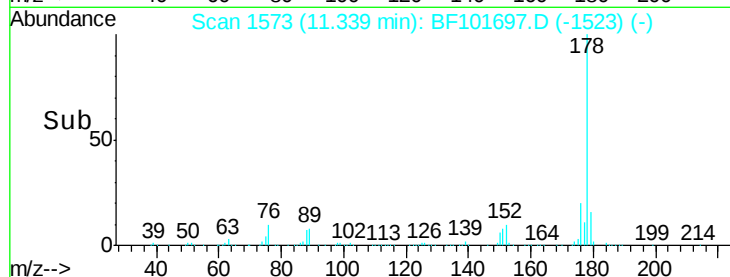
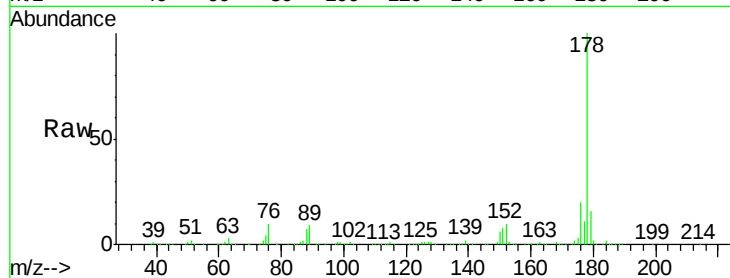
#70
Phenanthrene
Concen: 12.611 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101697.D
Acq: 23 Dec 2017 12:11

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	316368		
176	19.8	15.8	23.8	
179	16.0	13.0	19.6	

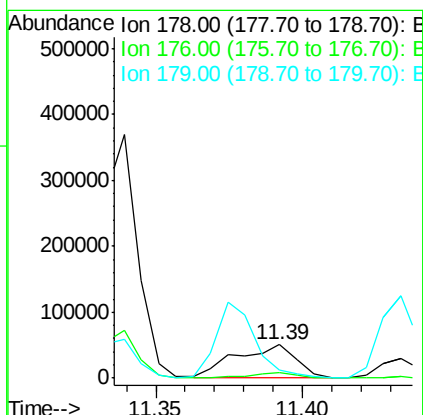
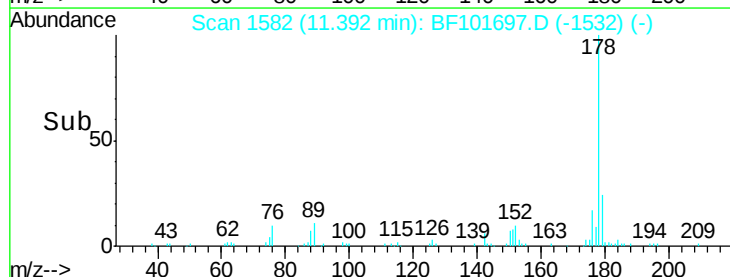
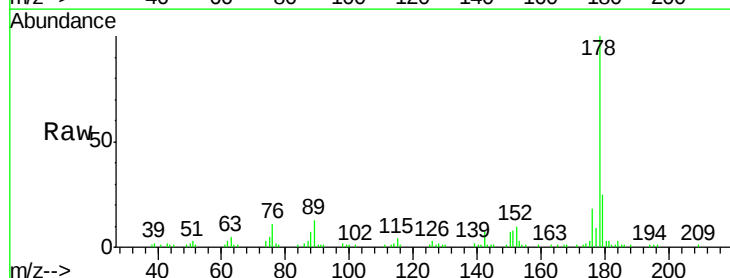
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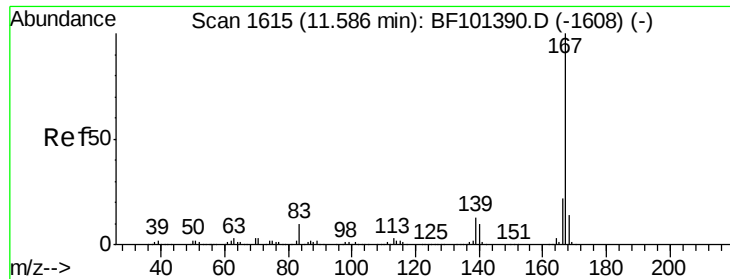
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#71
Anthracene
Concen: 2.723 ng m
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF101697.D
Acq: 23 Dec 2017 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	69771		
176	17.9	15.4	23.2	
179	24.8	12.6	19.0	





#72

Carbazole

Concen: 32.788 ng

RT: 11.55 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF101697.D

Acq: 23 Dec 2017 12:11

Instrument :

BNA_F

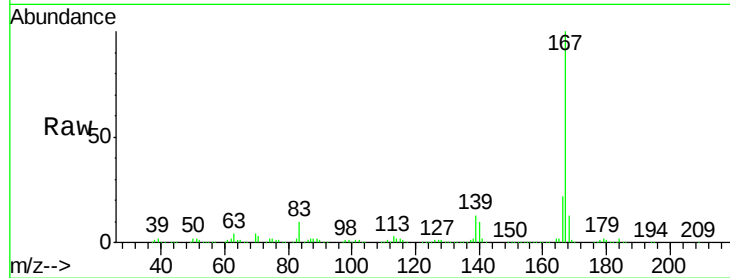
ClientSampleId :

WC-9974103-01

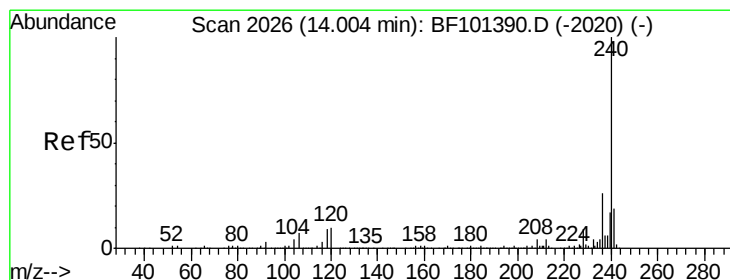
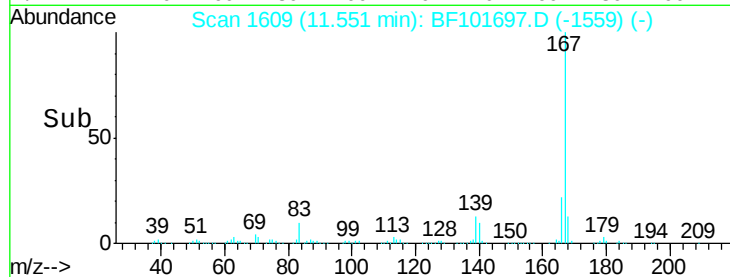
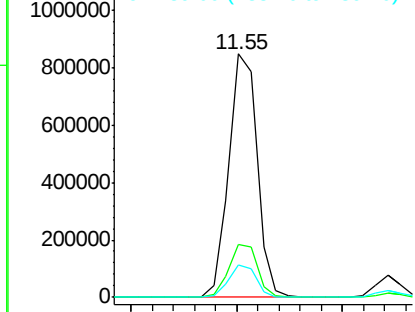
Tgt Ion:	167	Resp:	786628
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.6	26.4
139	13.4	10.9	16.3

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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

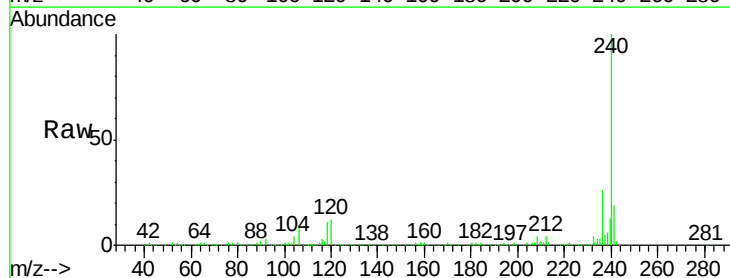
RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

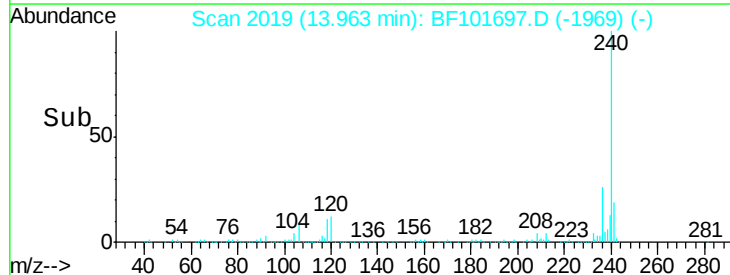
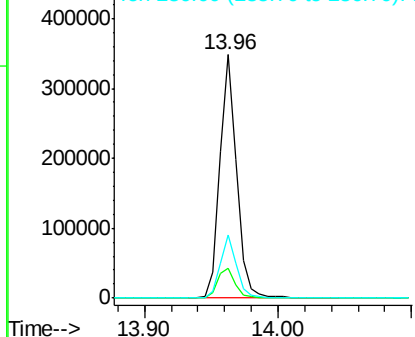
Lab File: BF101697.D

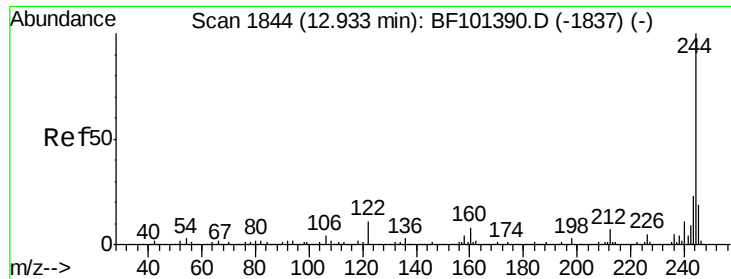
Acq: 23 Dec 2017 12:11

Tgt Ion:	240	Resp:	310775
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	25.8	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





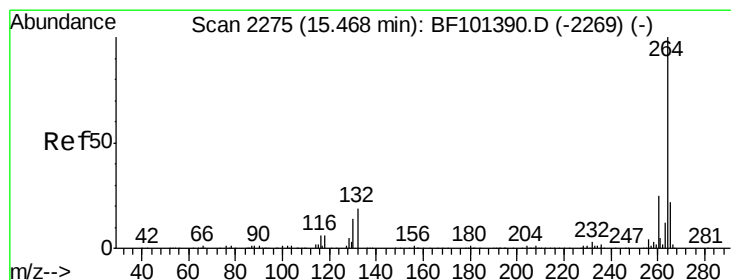
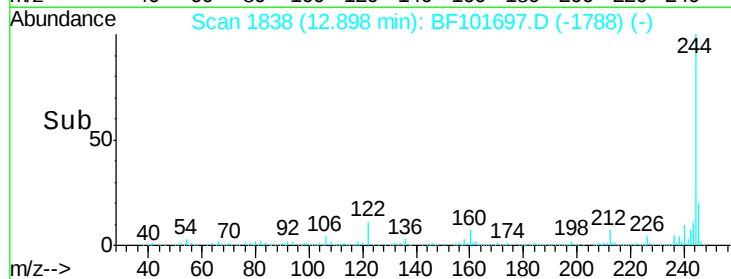
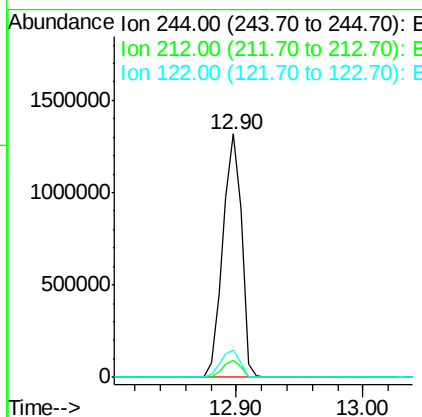
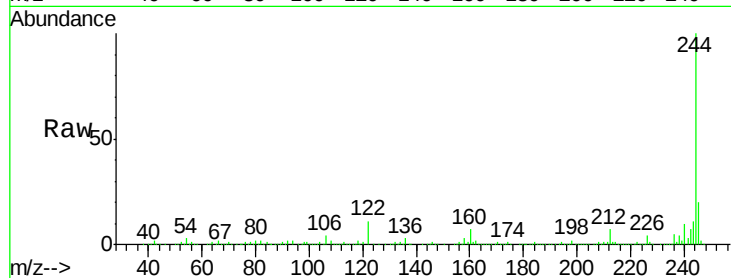
#78
 Terphenyl-d14
 Concen: 105.161 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF101697.D
 Acq: 23 Dec 2017 12:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01

Tgt Ion:244 Resp: 1355638
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.0 11.0 16.4

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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF101697.D
 Acq: 23 Dec 2017 12:11

Tgt Ion:264 Resp: 289093
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.7 17.5 26.3

