

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101434.D
 Acq On : 15 Dec 2017 10:11
 Operator : SJ/JU
 Sample : I6839-01DL 500X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01DL

Manual Integrations
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 12/15/2017 6:45:29 PM

Quant Time: Dec 15 11:04:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	172507	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	667573	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	296041	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	508884	20.00	ng	0.00
75) Chrysene-d12	13.99	240	334597	20.00	ng	-0.01
86) Perylene-d12	15.46	264	330435	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.18	172	321	0.02	ng	0.00
78) Terphenyl-d14	12.93	244	553	0.04	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.12	128	1517739	45.160	ng	100
37) 2-Methylnaphthalene	8.82	142	162266	7.411	ng	97
48) Acenaphthylene	9.72	152	136114	4.290	ng	99
54) Dibenzofuran	10.06	168	166136	6.858	ng	99
57) Fluorene	10.40	166	172890	8.436	ng	99
70) Phenanthrene	11.37	178	618481	21.855	ng	99
71) Anthracene	11.42	178	186074	6.437	ng	97
72) Carbazole	11.59	167	77442	2.861	ng	98
74) Fluoranthene	12.56	202	367423	12.369	ng	97
77) Pyrene	12.79	202	276146	10.997	ng	98
80) Benzo(a)anthracene	13.98	228	113559	5.140	ng	99
82) Chrysene	14.02	228	95544	4.580	ng	97
87) Benzo(b)fluoranthene	15.04	252	98456m	4.888	ng	
89) Benzo(a)pyrene	15.40	252	78068	4.205	ng	98

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

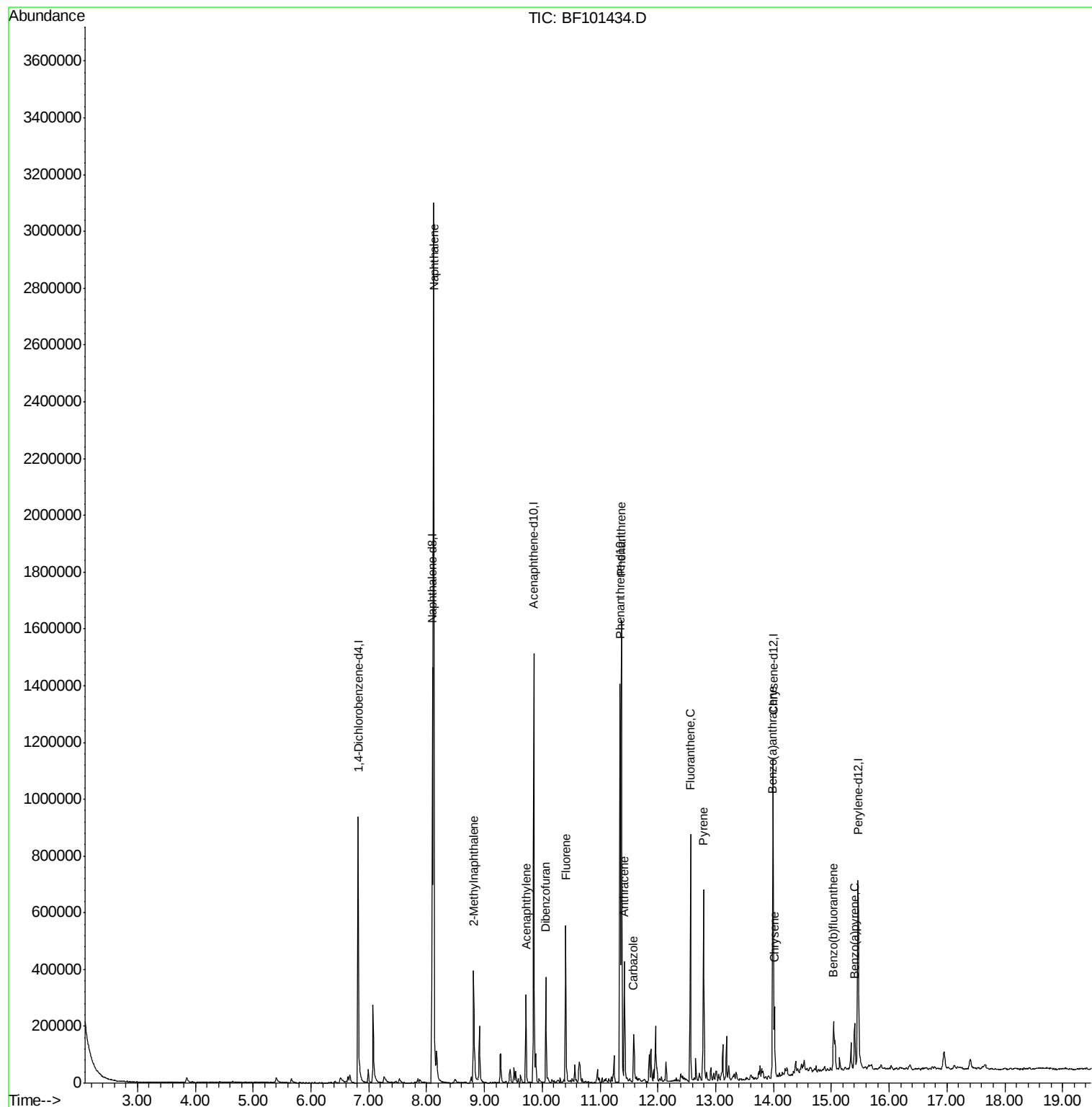
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Data File : BF101434.D
Acq On : 15 Dec 2017 10:11
Operator : SJ/JU
Sample : I6839-01DL 500X
Misc :
ALS Vial : 37 Sample Multiplier: 1

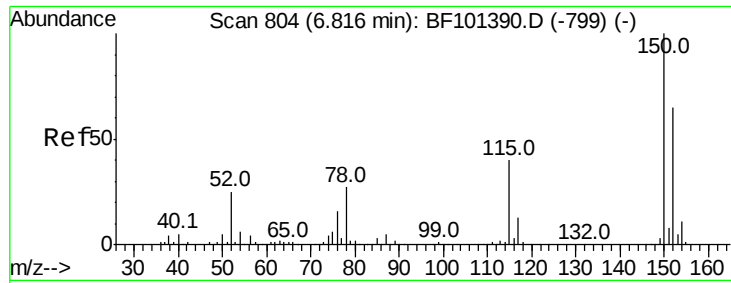
Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

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Quant Time: Dec 15 11:04:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
Response via : Initial Calibration





#1

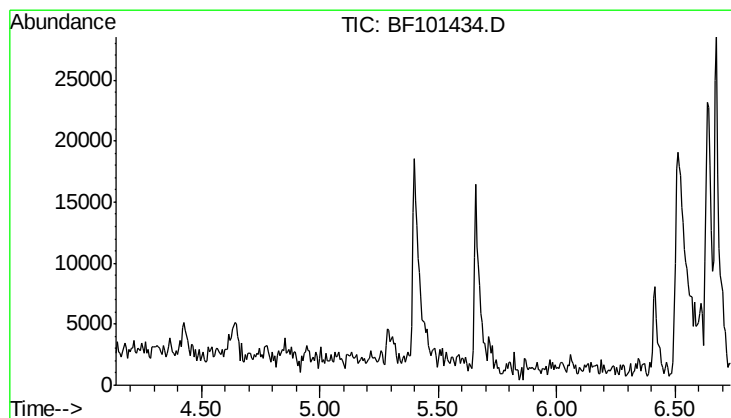
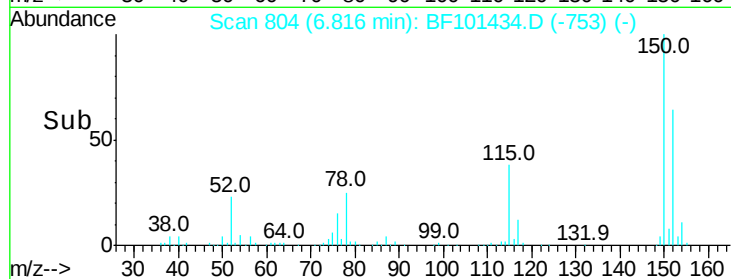
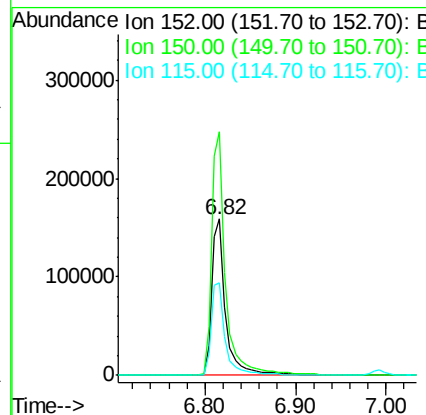
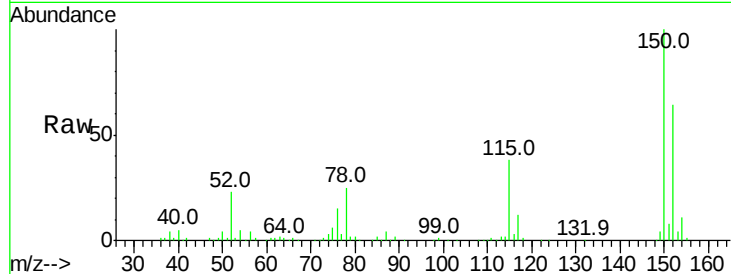
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	59.6	50.1	75.1

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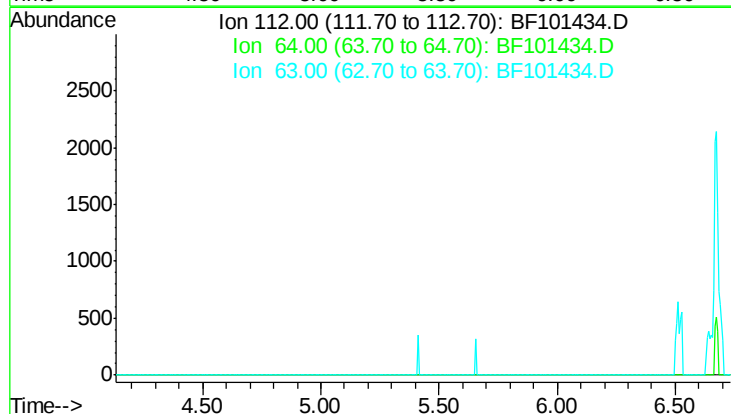


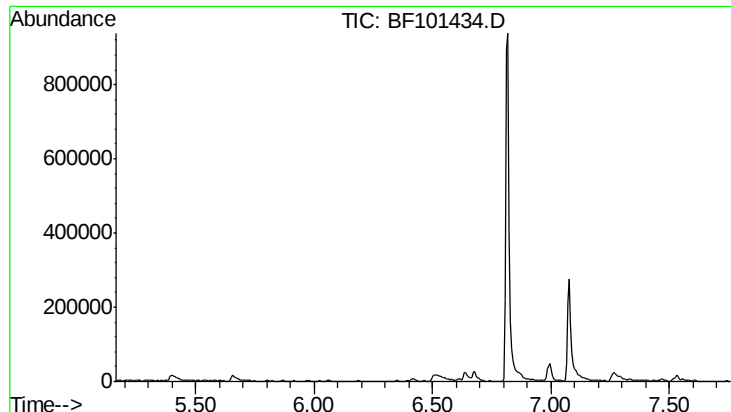
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion	Exp Ratio
112	100
64	59.9
63	29.6





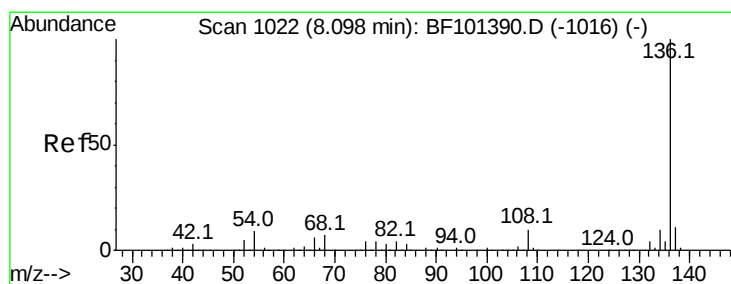
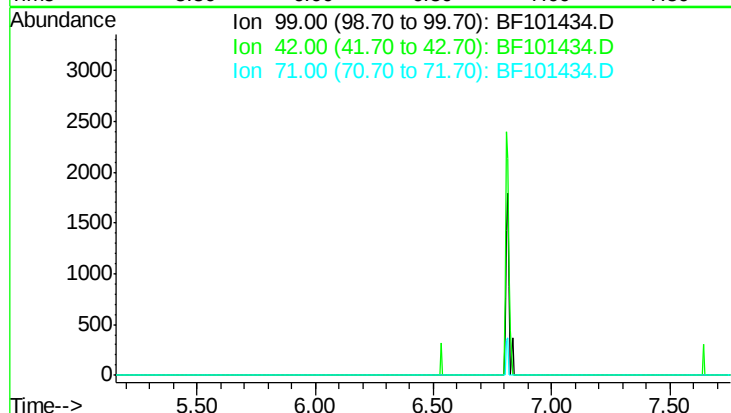
#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.46 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

Tot Ion	99
Sig	Exp Ratio
99	100
42	18.1
71	31.7

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01DL

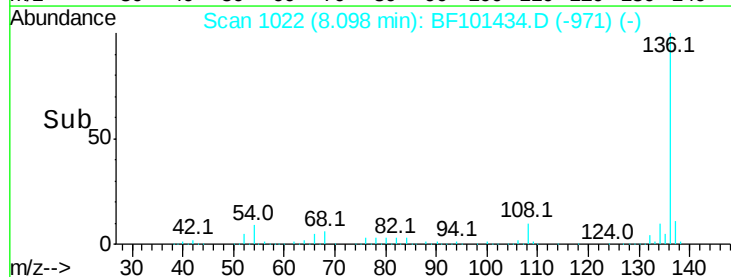
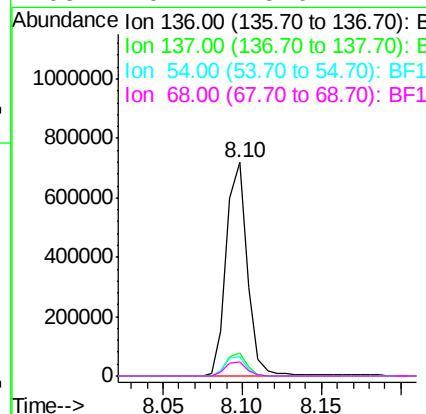
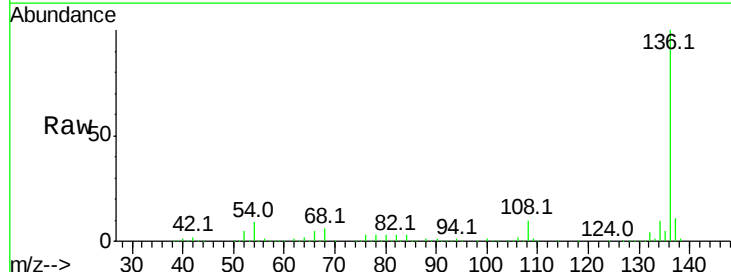
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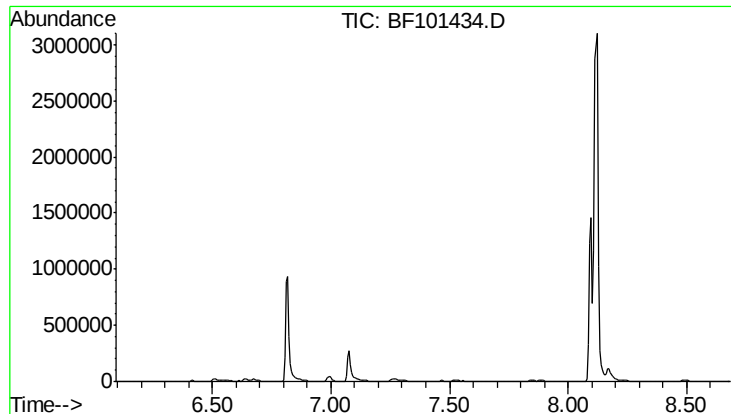
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

Tgt Ion	136	Resp	667573
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.8	6.6	9.8
68	6.4	5.0	7.4





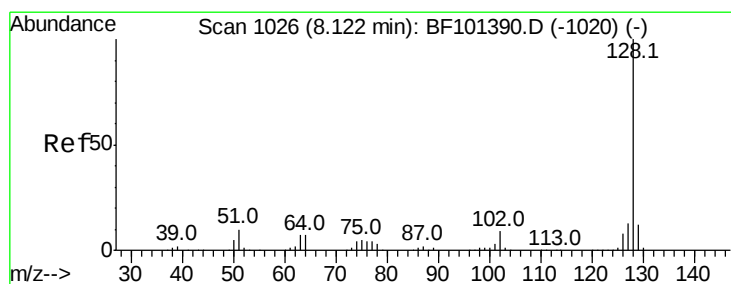
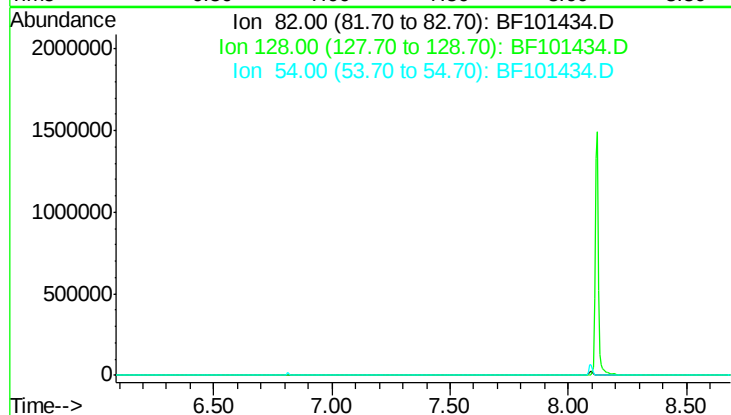
#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.39 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

Tot Ion	82
Sig	Exp Ratio
82	100
128	45.1
54	51.8

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01DL

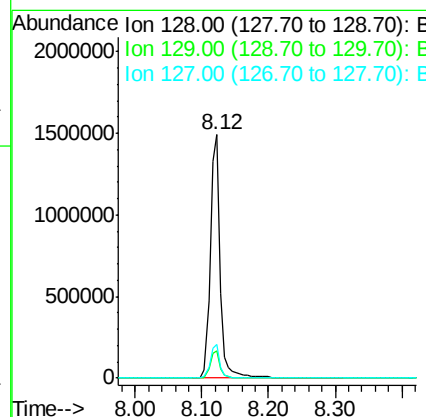
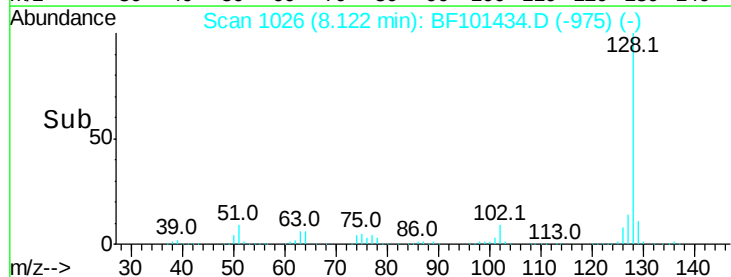
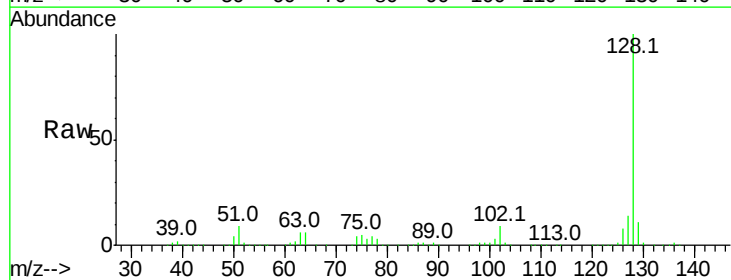
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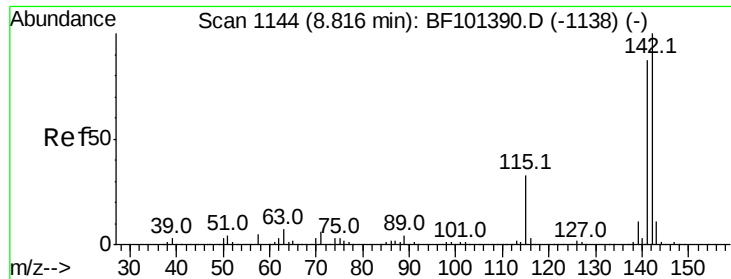
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#31
 Naphthalene
 Concen: 45.160 ng
 RT: 8.12 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

Tgt Ion	128	Resp	1517739
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.7	10.9	16.3





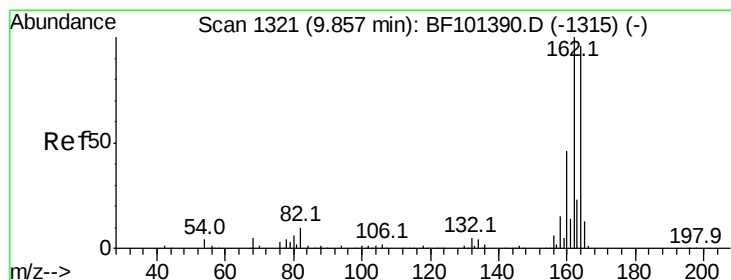
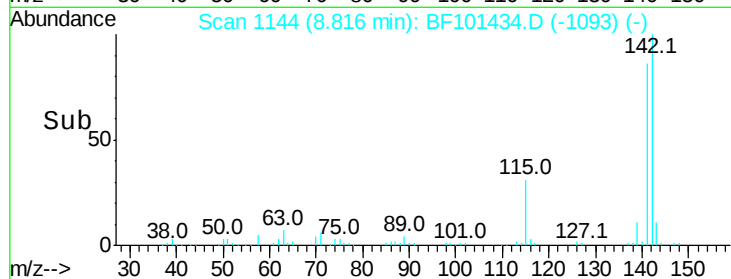
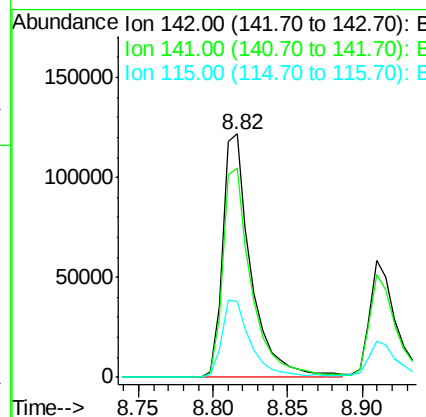
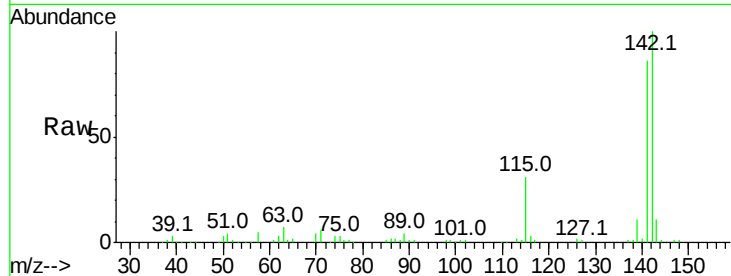
#37
2-Methylnaphthalene
Concen: 7.411 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.00 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.0	70.8	106.2
115	31.3	26.1	39.1

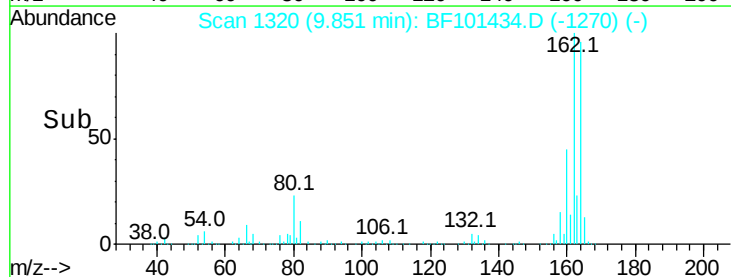
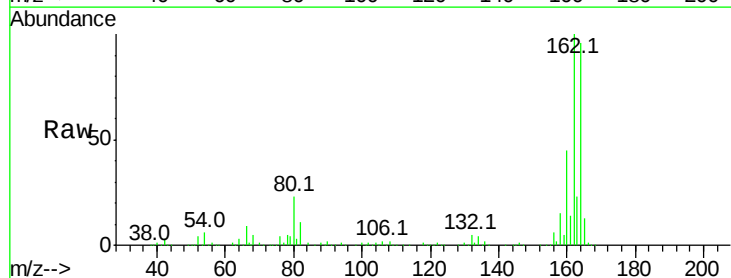
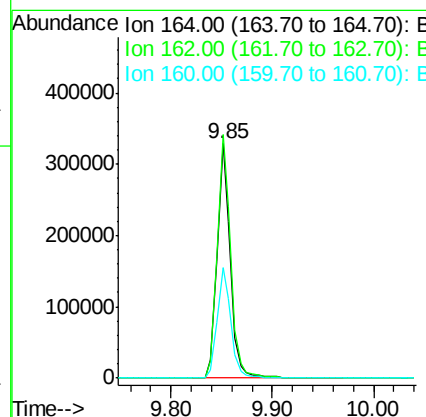
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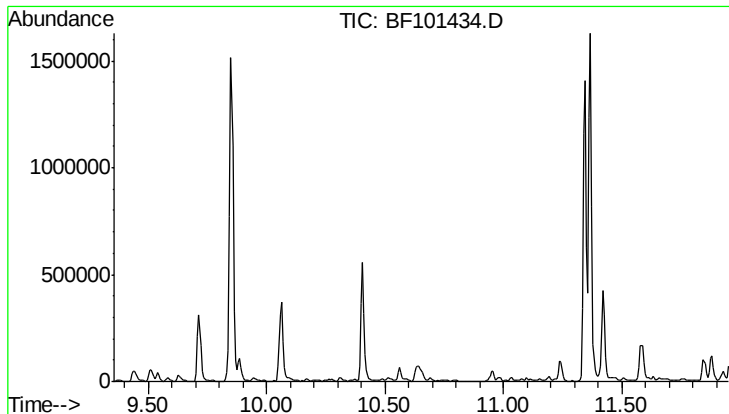
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	47.2	38.3	57.5





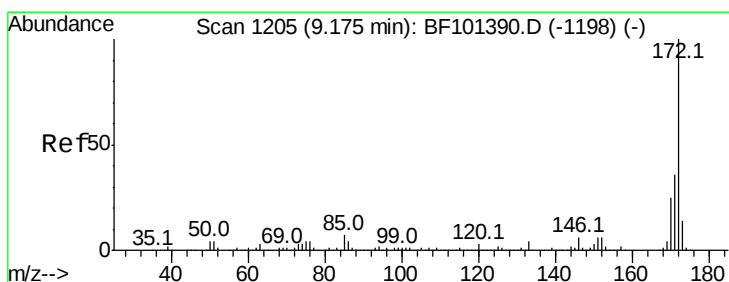
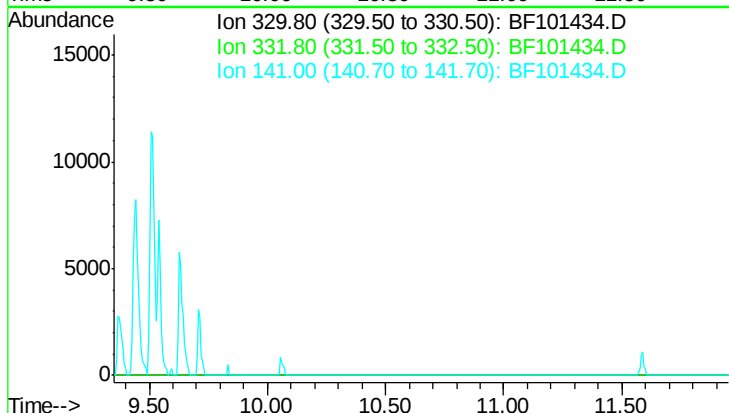
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.65 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01DL

Tot Ion	Exp Ratio
330	100
332	96.3
141	37.4

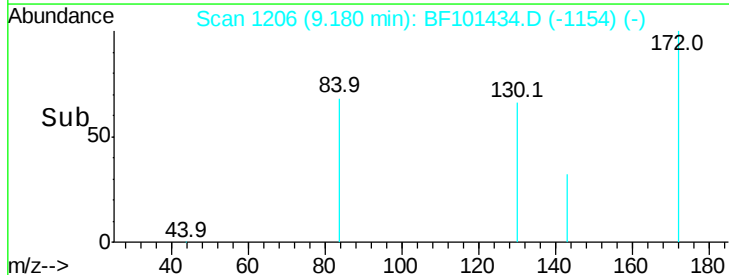
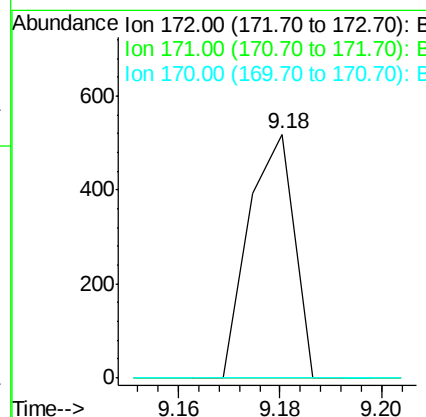
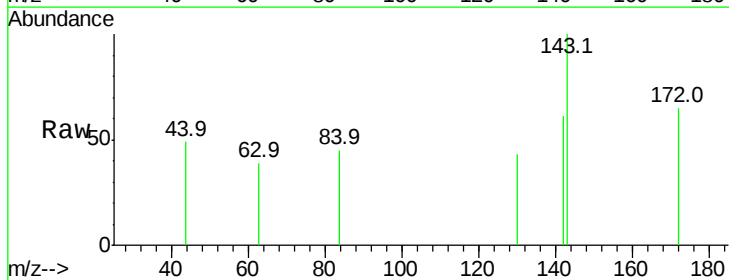
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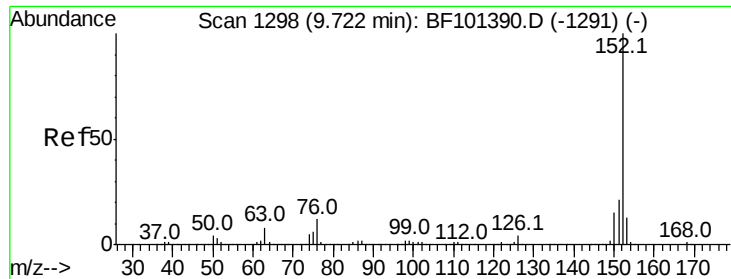
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#44
 2-Fluorobiphenyl
 Concen: 0.017 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF101434.D
 Acq: 15 Dec 2017 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	321		
171	0.0	29.7	44.5#	
170	0.0	19.6	29.4#	





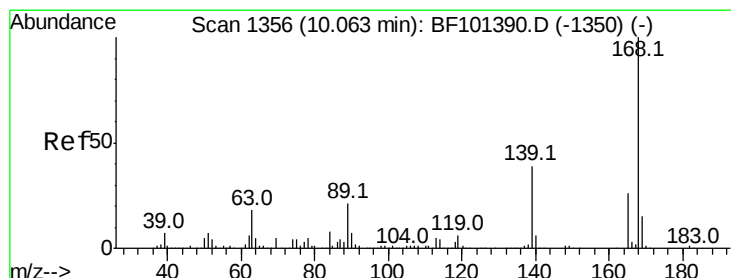
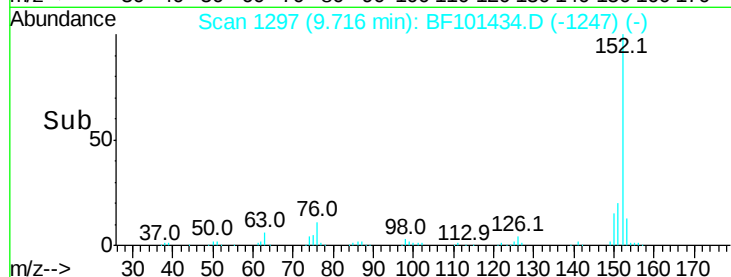
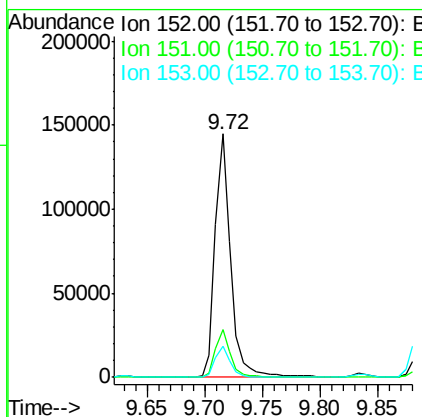
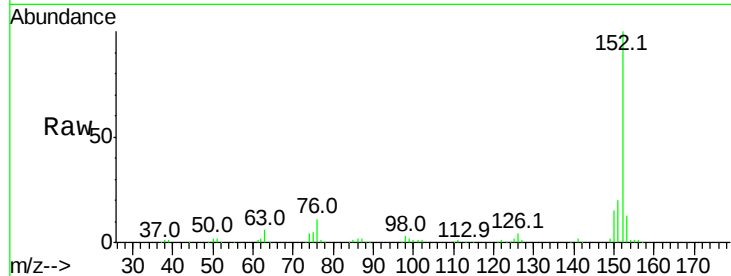
#48
Acenaphthylene
Concen: 4.290 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	136114		
151	19.7	16.3	24.5	
153	13.0	10.7	16.1	

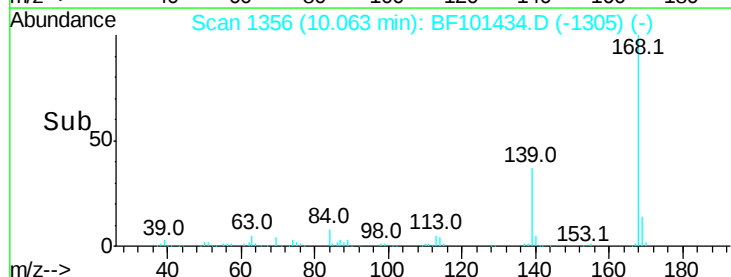
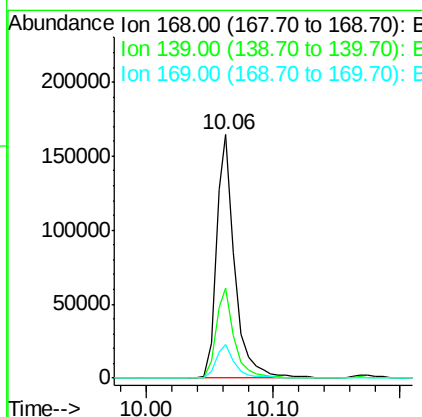
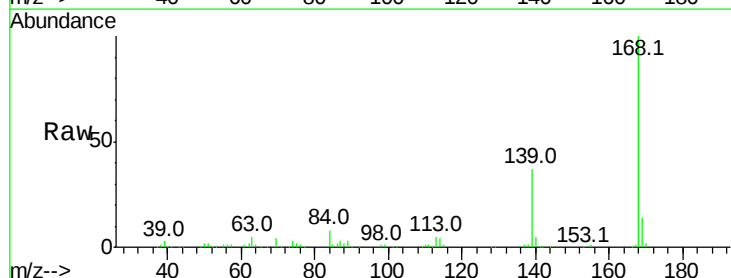
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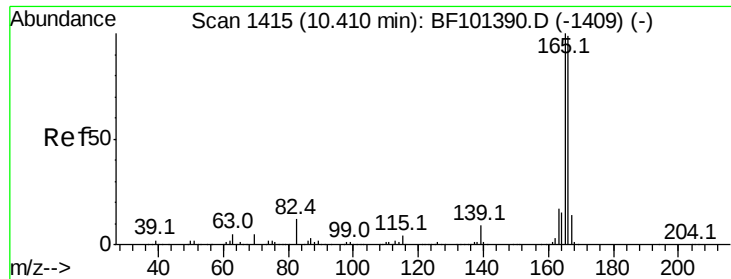
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#54
Dibenzofuran
Concen: 6.858 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	166136		
139	37.0	30.1	45.1	
169	13.6	10.9	16.3	





#57

Fluorene

Concen: 8.436 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

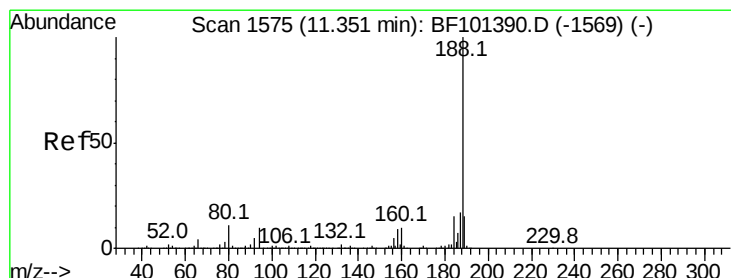
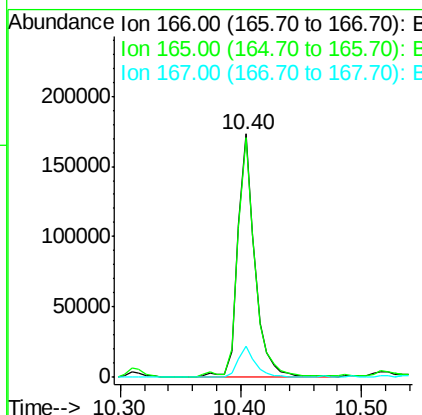
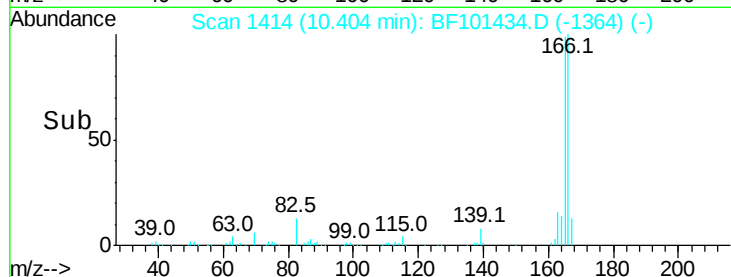
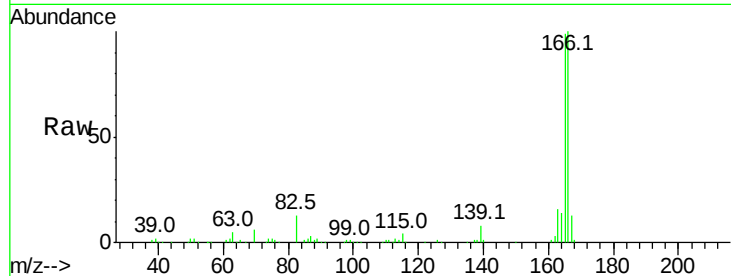
ClientSampleId :

WC-41446854-01DL

Tot Ion:	166	Resp:	172890
Ion Ratio	Lower	Upper	
166	100		
165	98.7	79.8	119.8
167	12.8	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

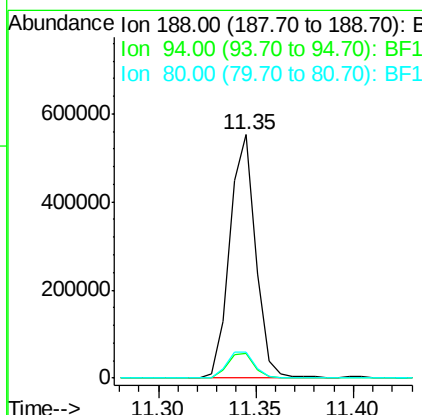
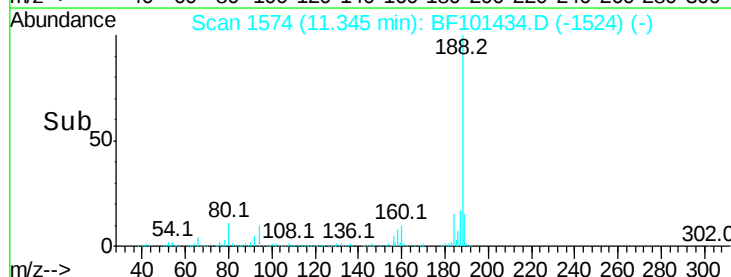
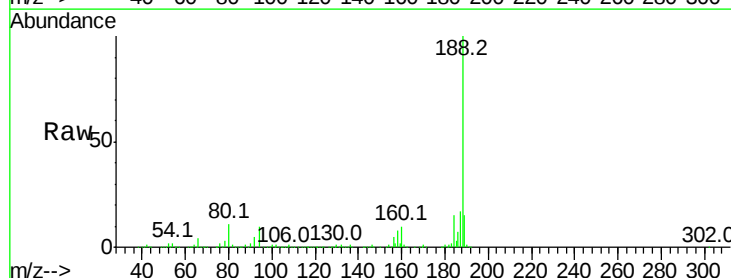
RT: 11.35 min Scan# 1574

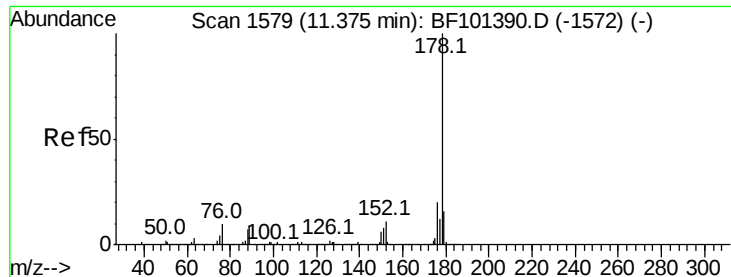
Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Tgt Ion:	188	Resp:	508884
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.5	12.7
80	10.8	9.2	13.8





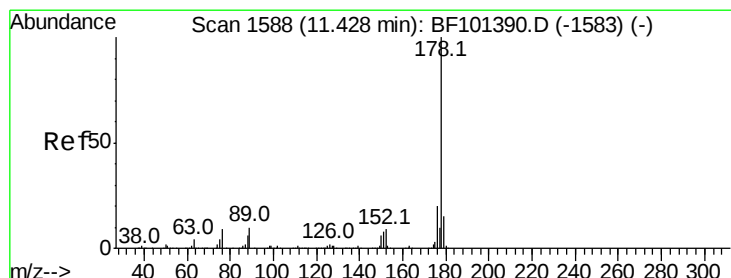
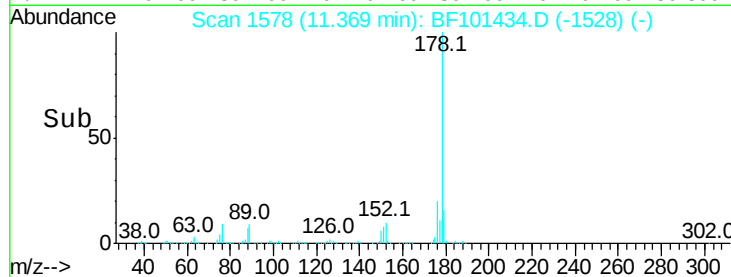
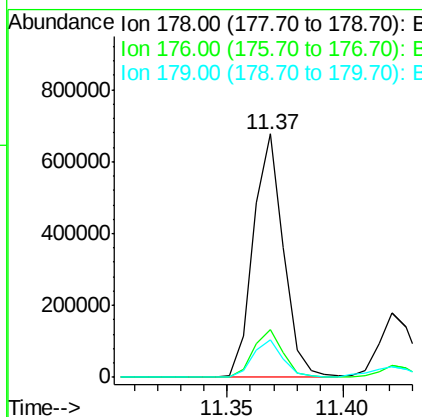
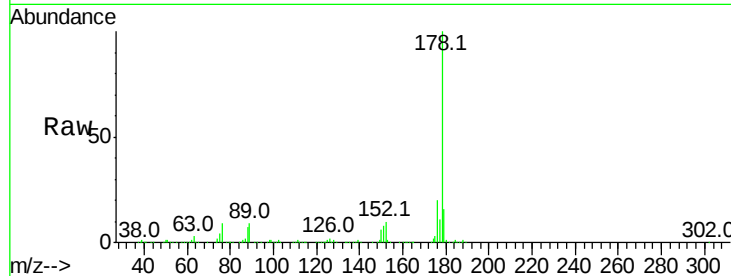
#70
Phenanthrene
Concen: 21.855 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.6	13.0	19.6

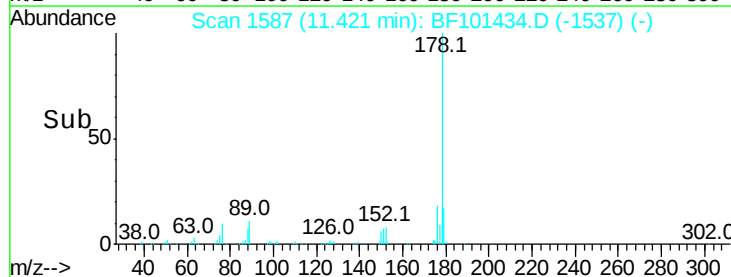
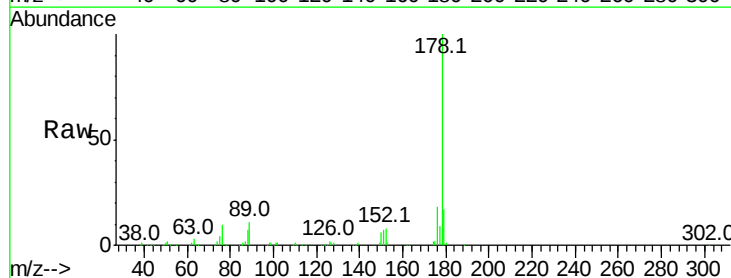
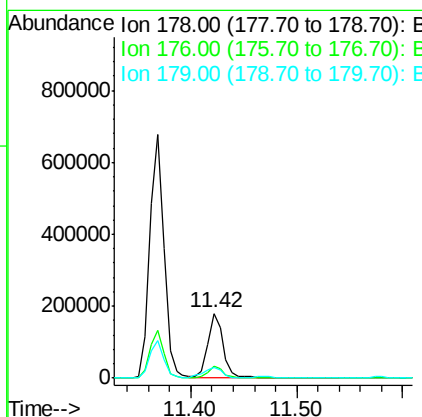
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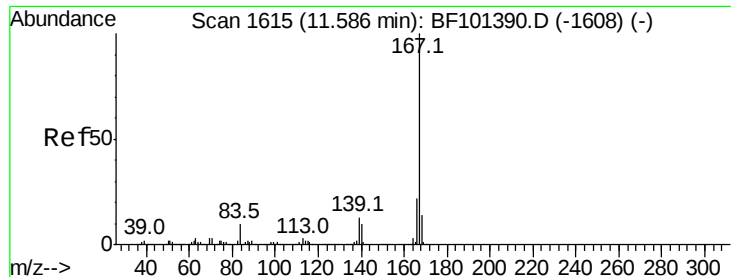
Sohil
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#71
Anthracene
Concen: 6.437 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	17.3	12.6	19.0





#72

Carbazole

Concen: 2.861 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.00 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

ClientSampleId :

WC-41446854-01DL

Tot Ion:167 Resp: 77442

Ion Ratio Lower Upper

167 100

166 21.8 17.6 26.4

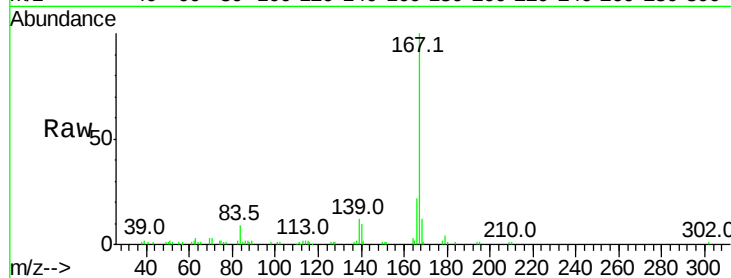
139 12.1 10.9 16.3

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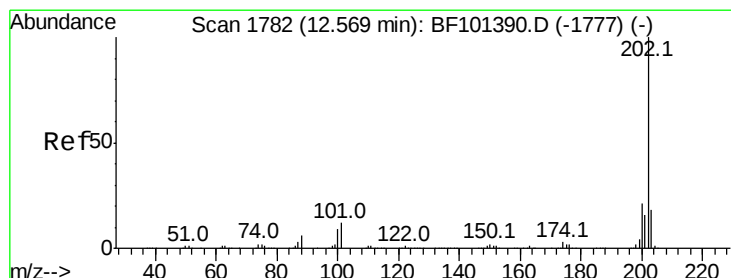
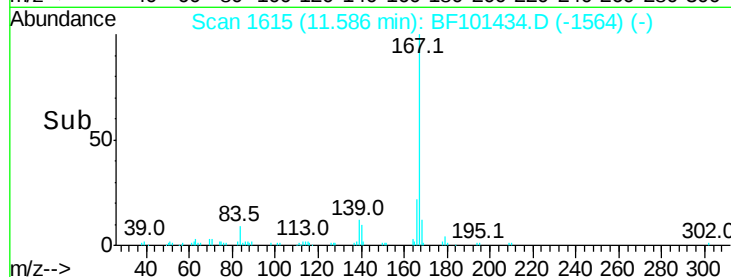
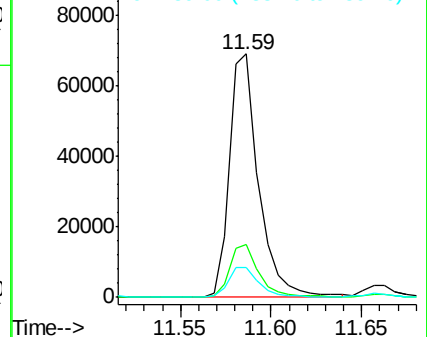
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 12.369 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

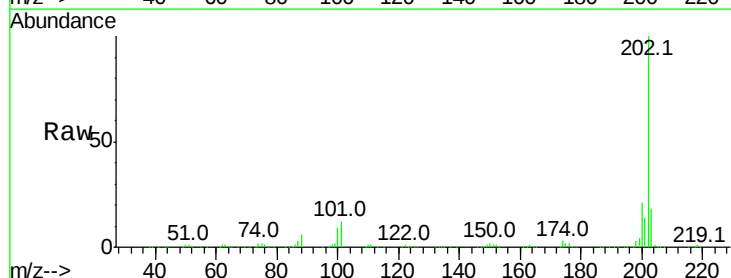
Tgt Ion:202 Resp: 367423

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

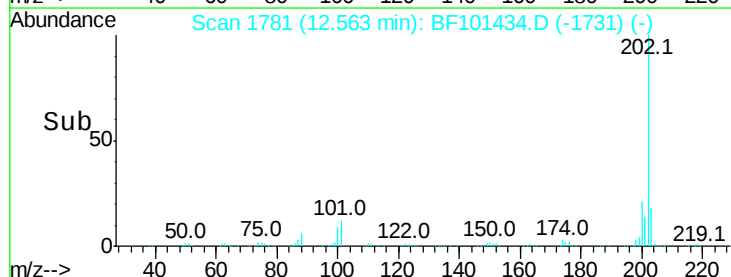
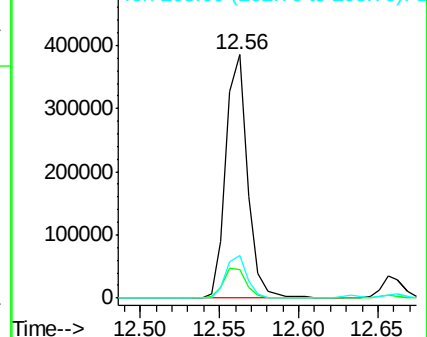
203 17.7 0.0 38.1

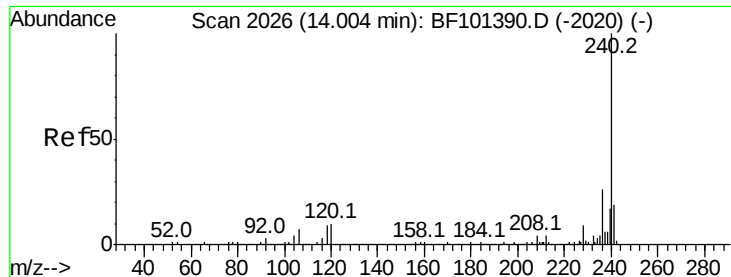


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

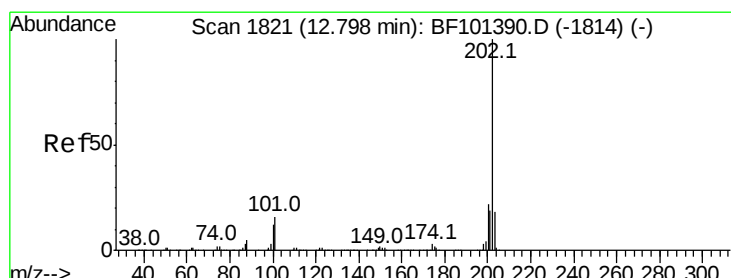
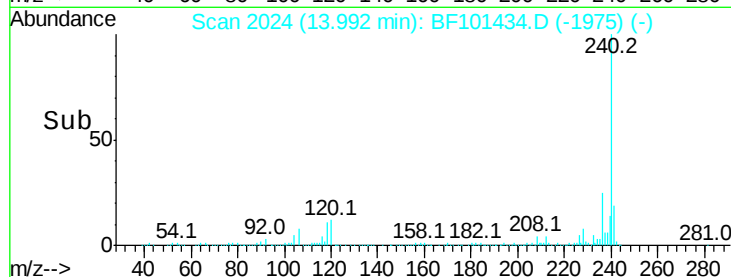
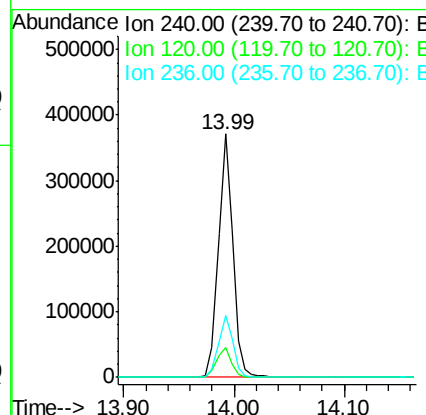
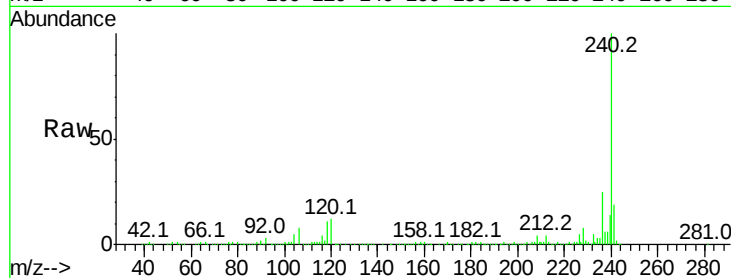
ClientSampleID :

WC-41446854-01DL

Tot Ion:	240	Resp:	334597
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	25.2	20.7	31.1

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#77

Pyrene

Concen: 10.997 ng

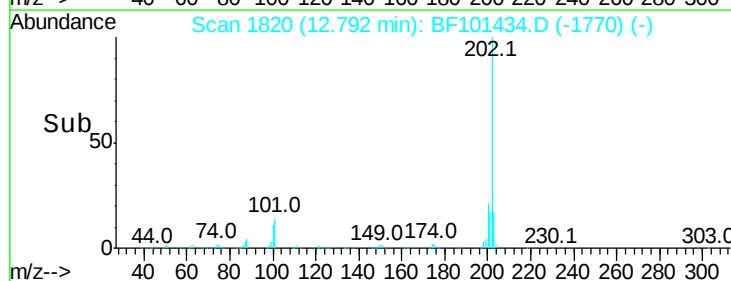
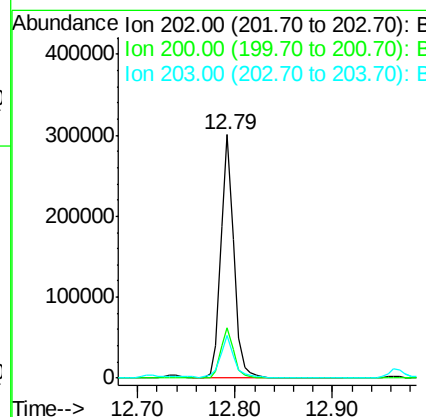
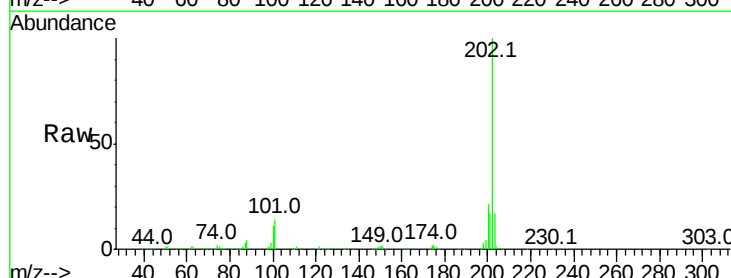
RT: 12.79 min Scan# 1820

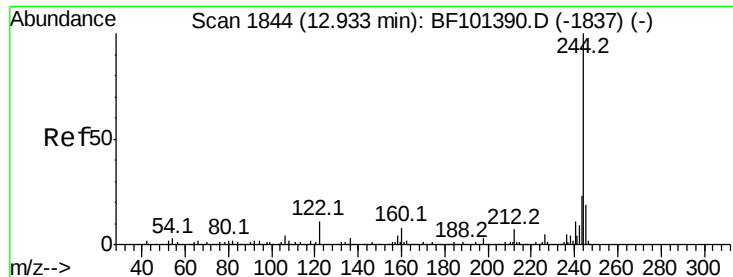
Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Tgt Ion:	202	Resp:	276146
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.3	14.3	21.5





#78

Terphenyl-d14

Concen: 0.040 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

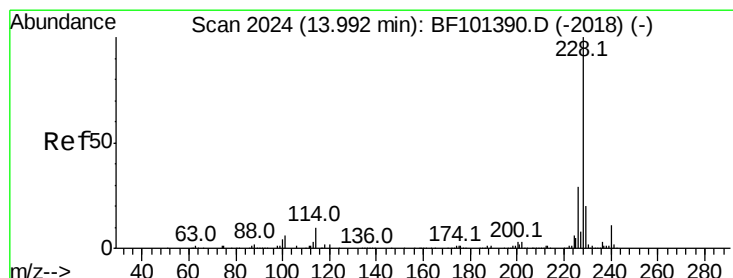
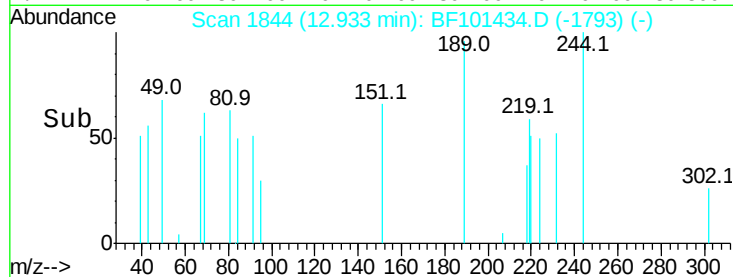
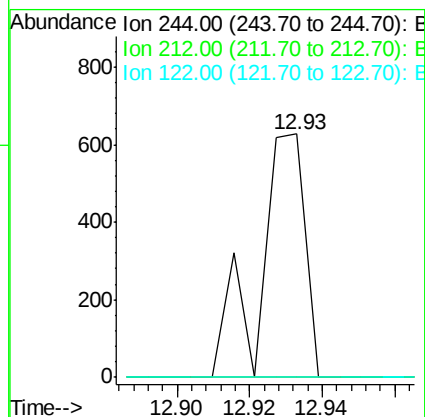
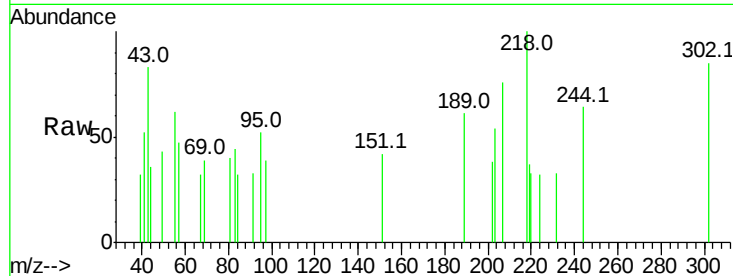
ClientSampleID :

WC-41446854-01DL

Tot Ion:	244	Resp:	553
Ion Ratio	Lower	Upper	
244	100		
212	0.0	5.4	8.0#
122	0.0	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 5.140 ng

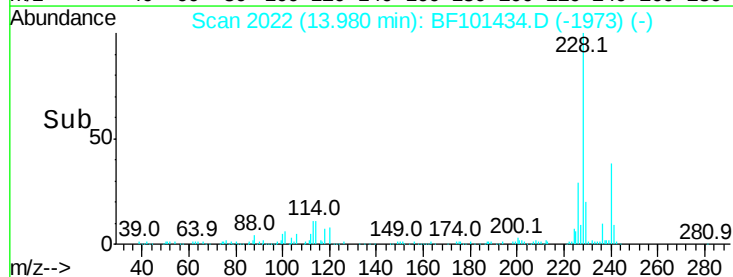
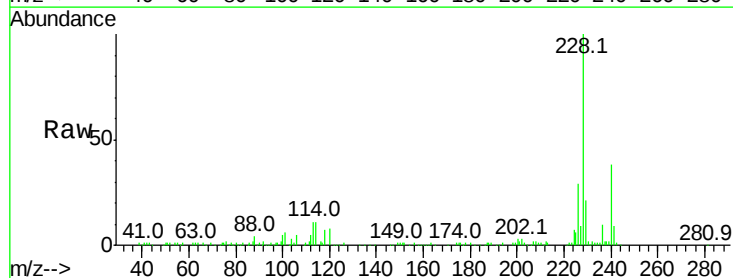
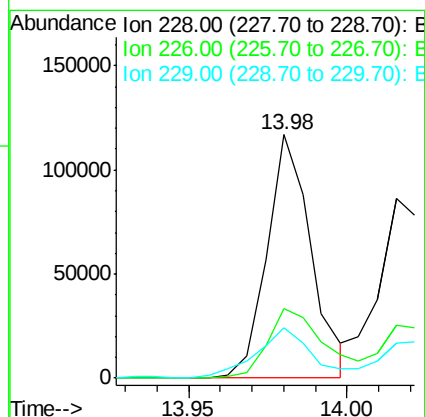
RT: 13.98 min Scan# 2022

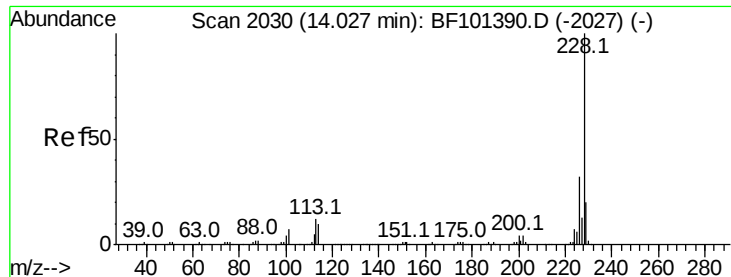
Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Tgt Ion:	228	Resp:	113559
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.6	33.8
229	20.8	15.8	23.6





#82

Chrysene

Concen: 4.580 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Instrument :

BNA_F

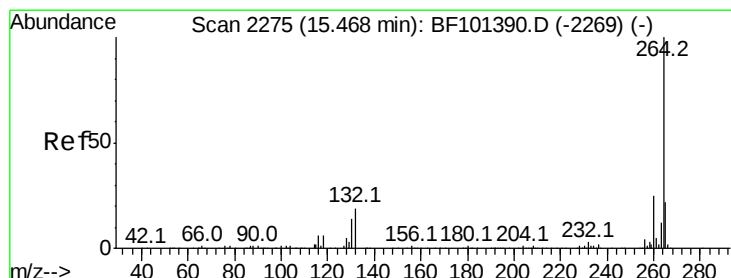
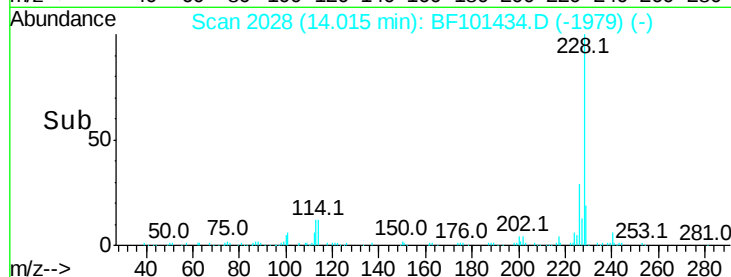
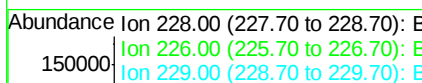
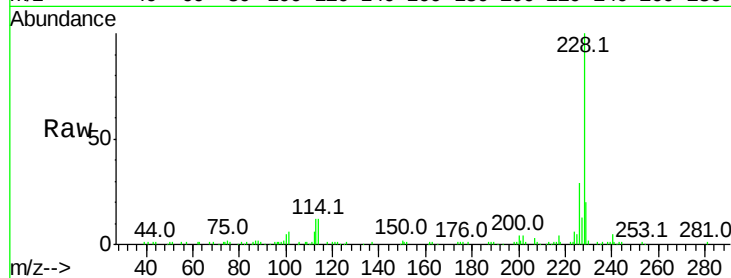
ClientSampleId :

WC-41446854-01DL

Tot Ion:	228	Resp:	95544
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.0	37.6
229	19.6	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng

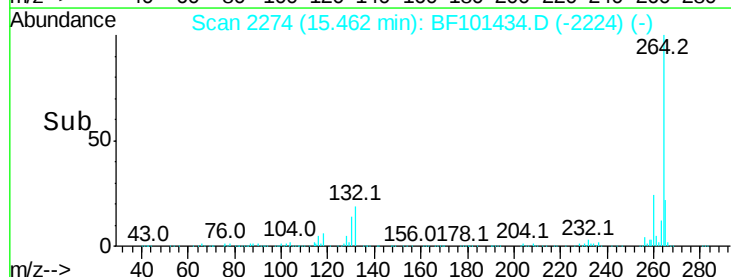
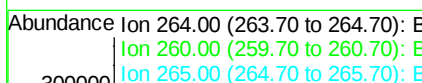
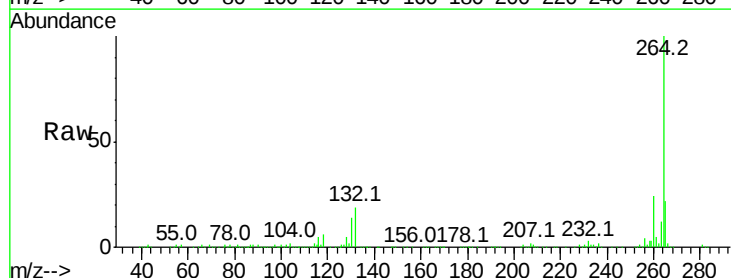
RT: 15.46 min Scan# 2274

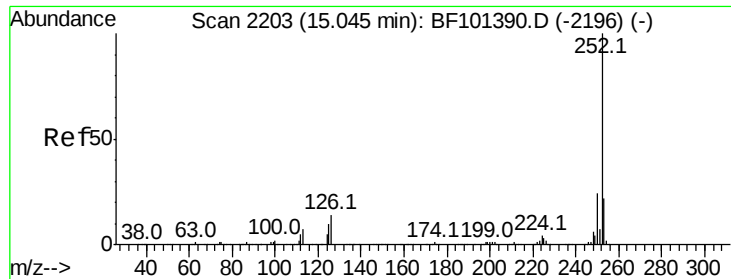
Delta R.T. -0.01 min

Lab File: BF101434.D

Acq: 15 Dec 2017 10:11

Tgt Ion:	264	Resp:	330435
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	21.8	17.5	26.3





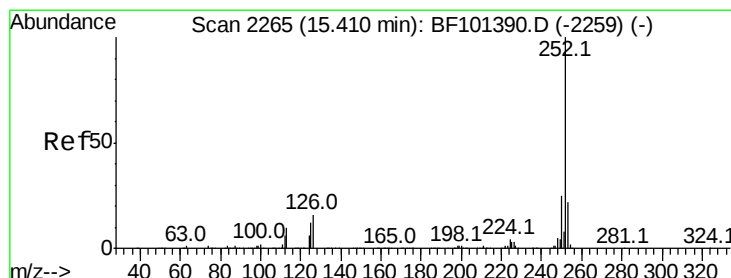
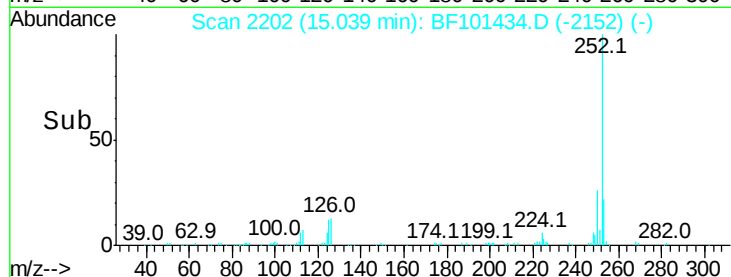
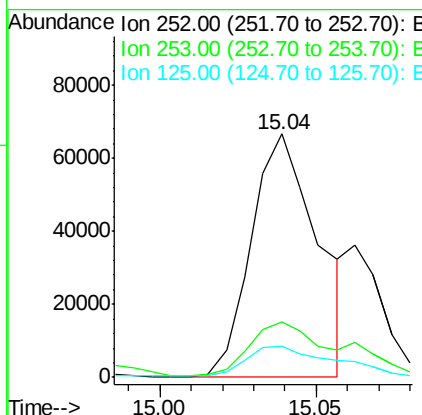
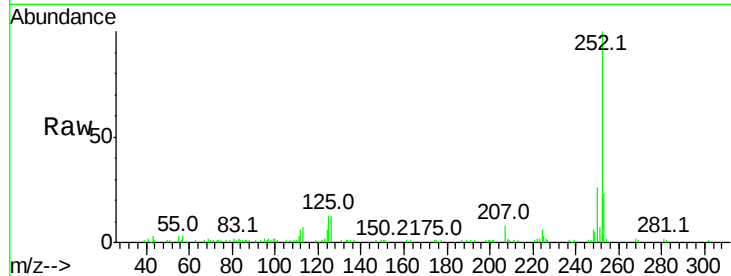
#87
Benzo(b)fluoranthene
Concen: 4.888 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	12.8	9.0	13.6

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 4.205 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101434.D
Acq: 15 Dec 2017 10:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	12.2	9.8	14.6

