

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101435.D
 Acq On : 15 Dec 2017 10:38
 Operator : SJ/JU
 Sample : I6844-01DL 500X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01DL

Manual Integrations
 APPROVED

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 12/15/2017 6:45:32 PM

Quant Time: Dec 15 12:32:46 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	166881	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	659399	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	297523	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	505828	20.00	ng	0.00
75) Chrysene-d12	13.99	240	335162	20.00	ng	-0.01
86) Perylene-d12	15.46	264	329971	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.47	99	123	0.01	ng	0.02
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	9.17	172	151	0.01	ng	0.00
78) Terphenyl-d14	12.93	244	747	0.05	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.49	94	61614	3.877	ng	97
31) Naphthalene	8.12	128	1594007	48.017	ng	100
37) 2-Methylnaphthalene	8.81	142	230695	10.666	ng	97
45) 1,1'-Biphenyl	9.27	154	55734	2.112	ng	99
48) Acenaphthylene	9.72	152	304341	9.544	ng	99
54) Dibenzofuran	10.06	168	190073	7.807	ng	98
57) Fluorene	10.40	166	230037	11.169	ng	99
70) Phenanthrene	11.37	178	677920	24.100	ng	99
71) Anthracene	11.42	178	274305	9.546	ng	98
72) Carbazole	11.58	167	91571	3.404	ng	99
74) Fluoranthene	12.56	202	405826	13.745	ng	96
77) Pyrene	12.79	202	294278	11.699	ng	99
80) Benzo(a)anthracene	13.98	228	129586	5.855	ng	97
82) Chrysene	14.02	228	105027	5.026	ng	98
87) Benzo(b)fluoranthene	15.04	252	111512m	5.544	ng	
89) Benzo(a)pyrene	15.40	252	83677	4.513	ng	98
91) Benzo(a,h,i)perylene	17.40	276	31981m	2.029	ng	

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

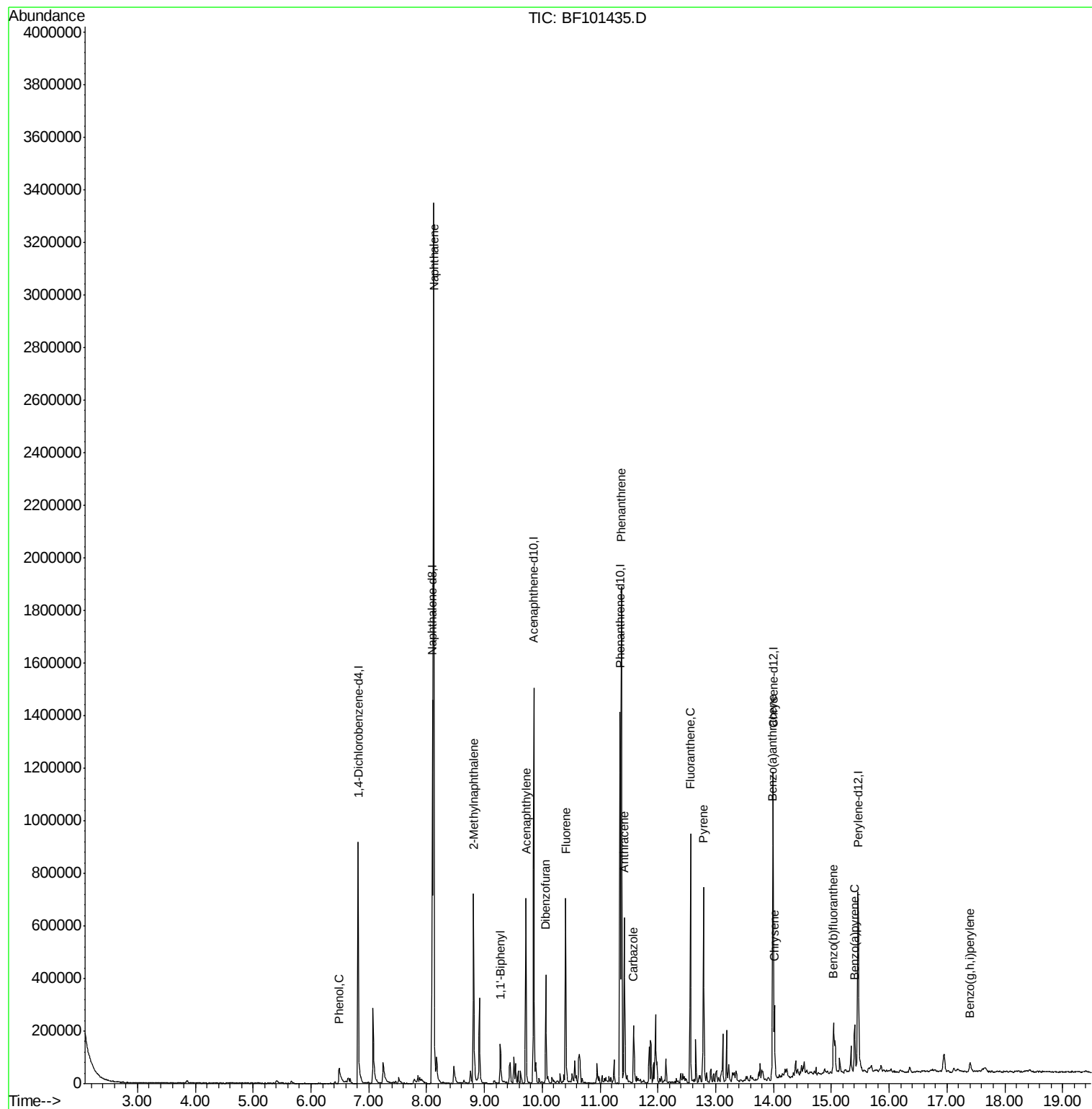
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101435.D
Acq On : 15 Dec 2017 10:38
Operator : SJ/JU
Sample : I6844-01DL 500X
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ALS Vial : 38 Sample Multiplier: 1

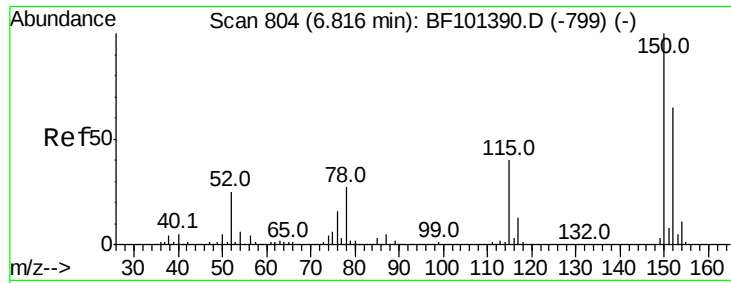
Instrument :
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#1

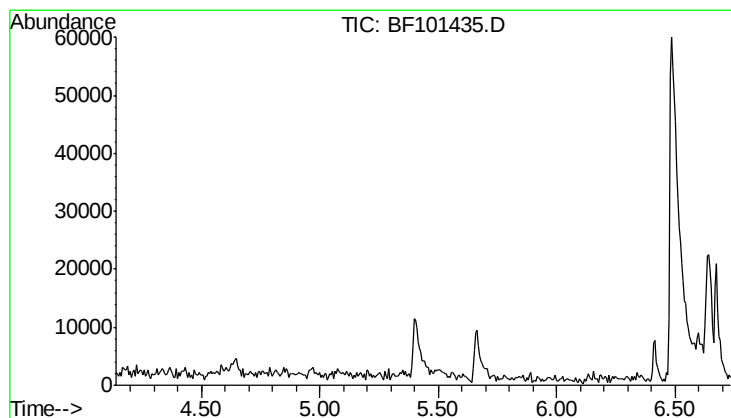
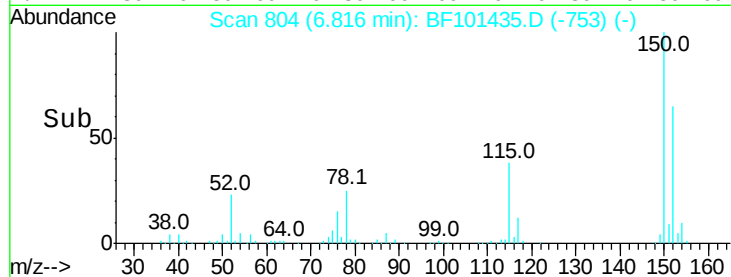
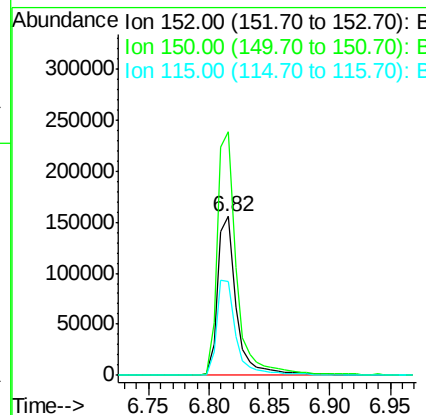
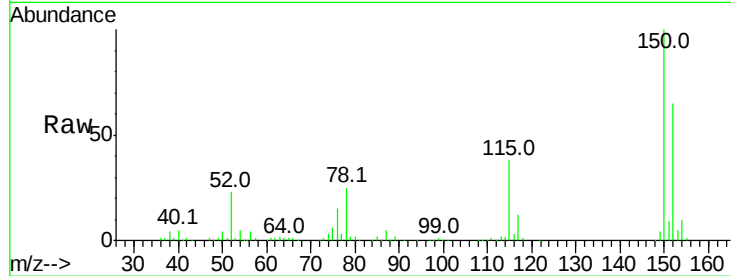
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	59.0	50.1	75.1

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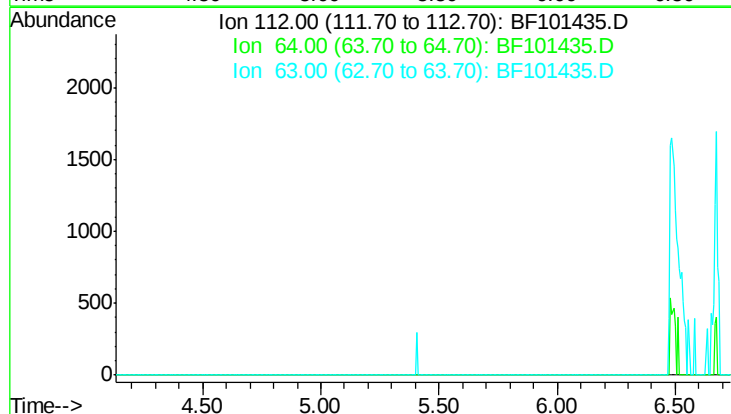


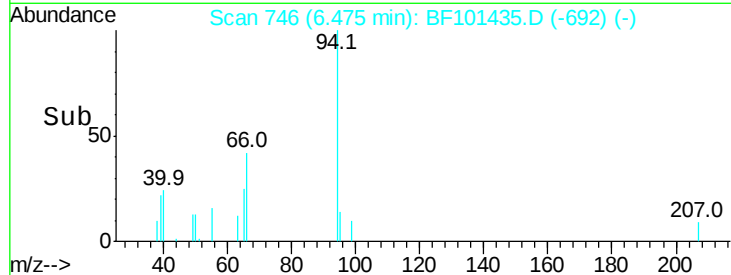
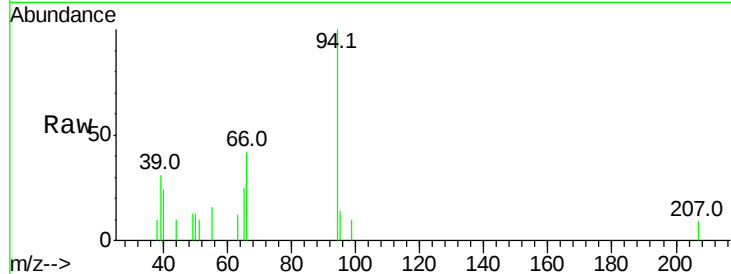
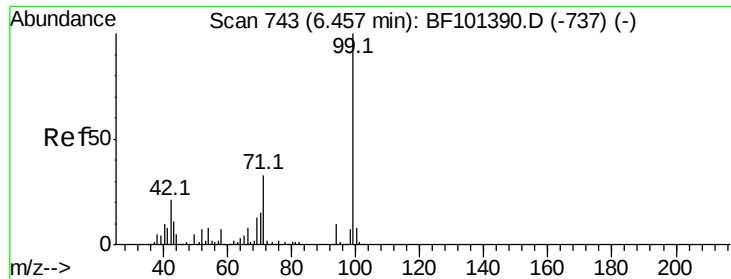
#5

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

Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Tgt Ion	Exp Ratio
112	100
64	59.9
63	29.6





#7

Phenol-d6

Concen: 0.009 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.02 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

Tot Ion:	99	Resp:	123
Ion Ratio	Lower	Upper	
99	100		
42	0.0	14.5	21.7#
71	0.0	25.4	38.0#

Instrument :

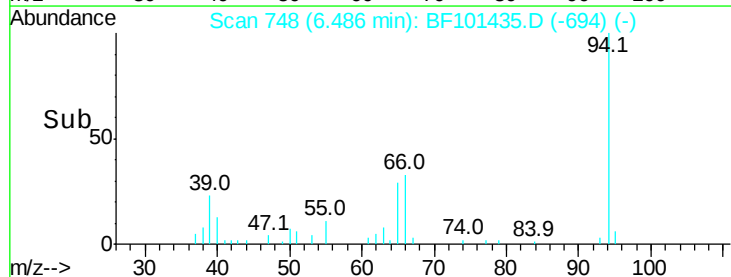
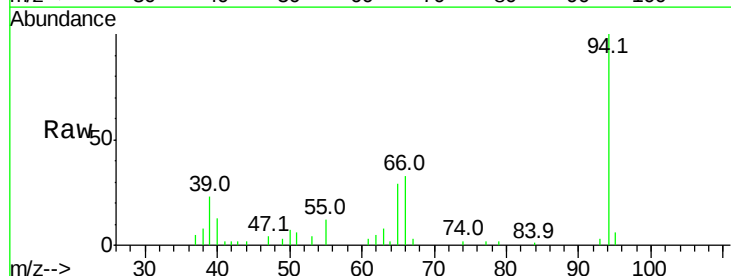
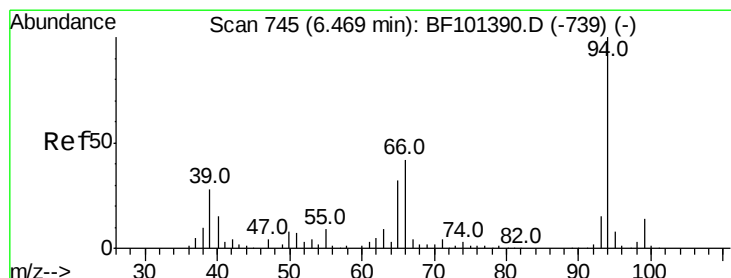
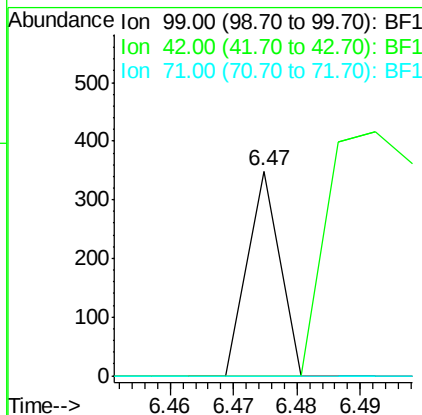
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.877 ng

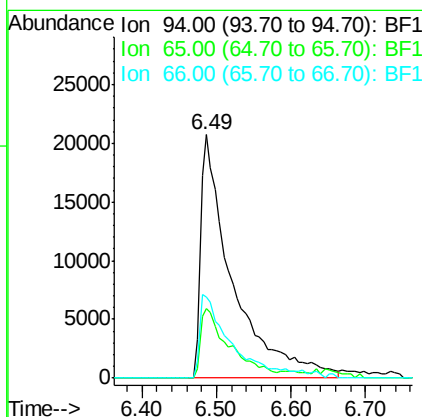
RT: 6.49 min Scan# 748

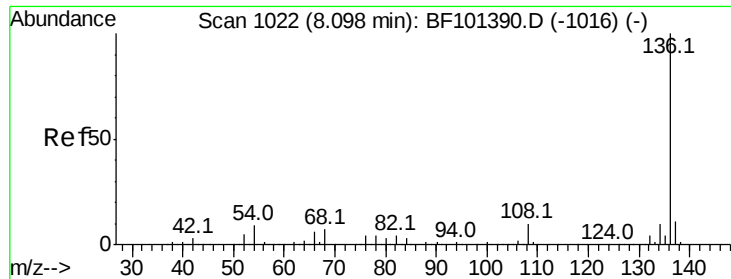
Delta R.T. 0.02 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

Tgt Ion:	94	Resp:	61614
Ion Ratio	Lower	Upper	
94	100		
65	28.8	7.9	47.9
66	33.3	16.2	56.2





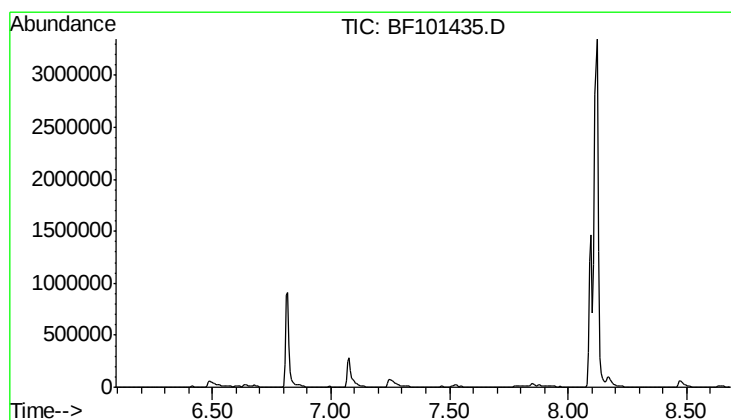
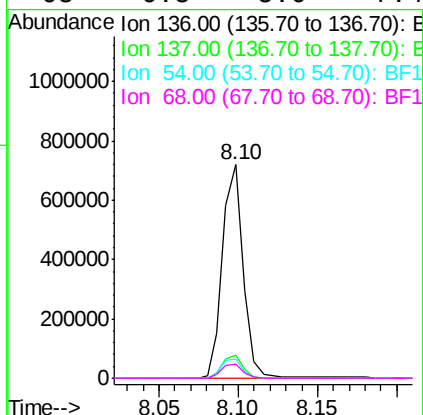
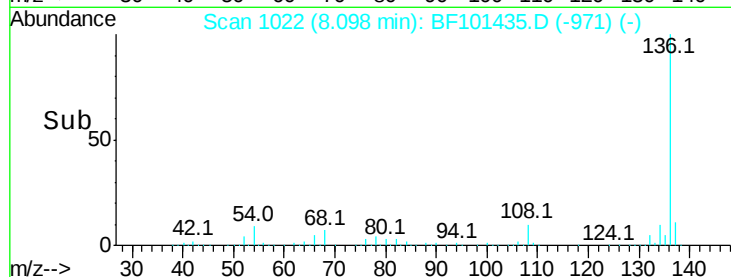
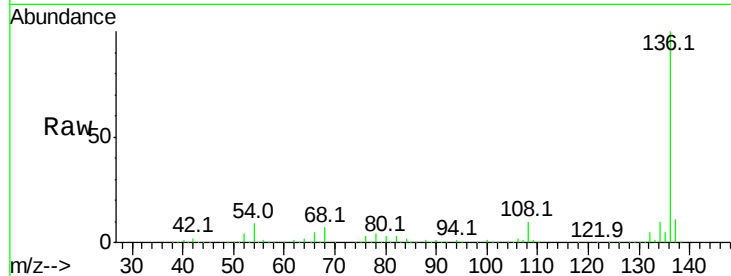
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01DL

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.9	6.6	9.8
68	6.5	5.0	7.4

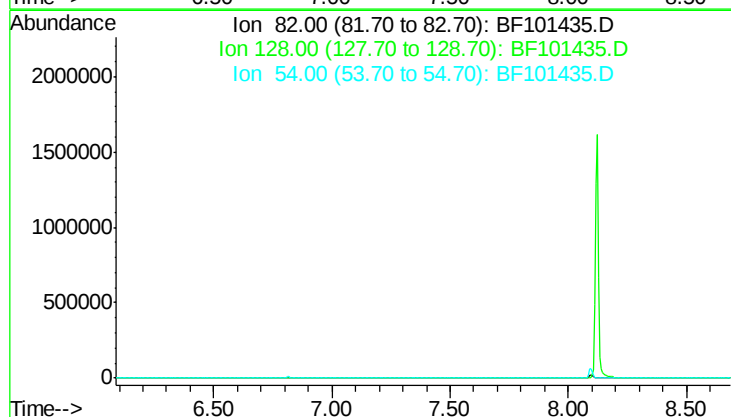
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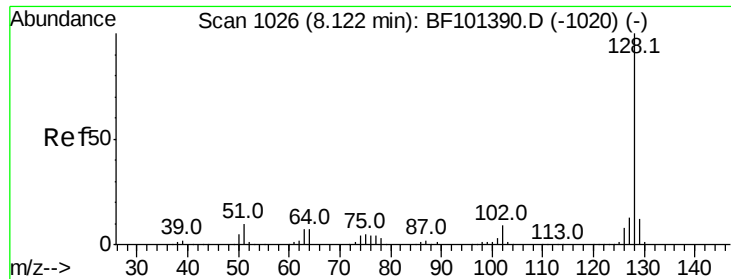
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#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.39 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Tgt Ion	Exp Ratio
82	100
128	45.1
54	51.8





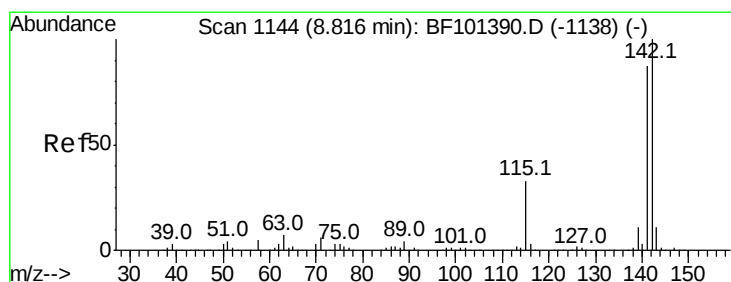
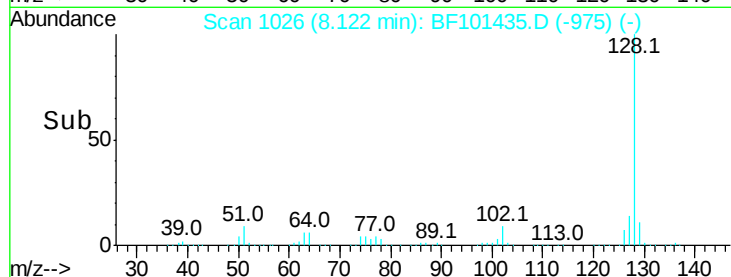
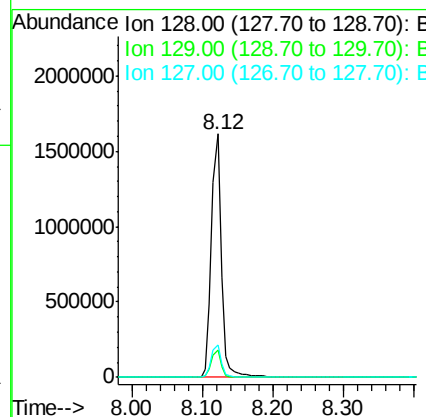
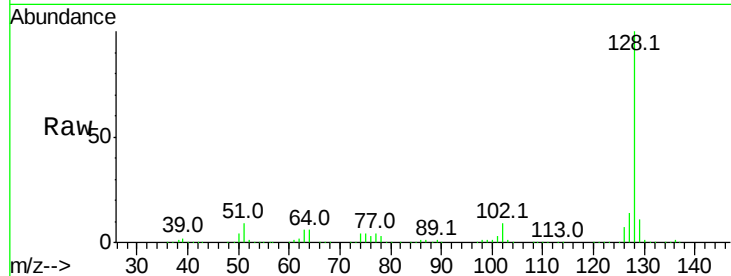
#31
Naphthalene
Concen: 48.017 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01DL

Tot Ion:128 Resp: 1594007
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.6 10.9 16.3

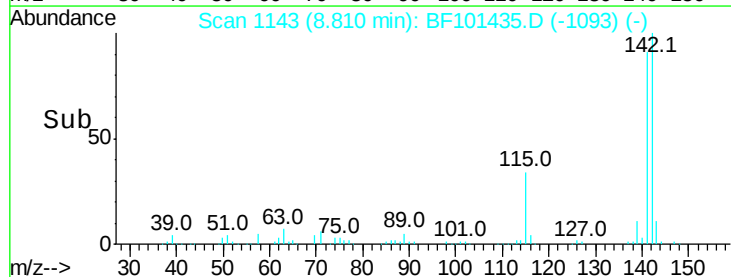
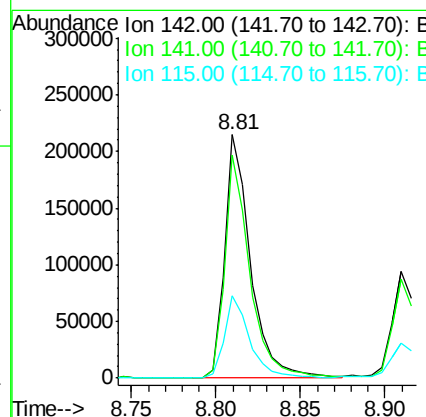
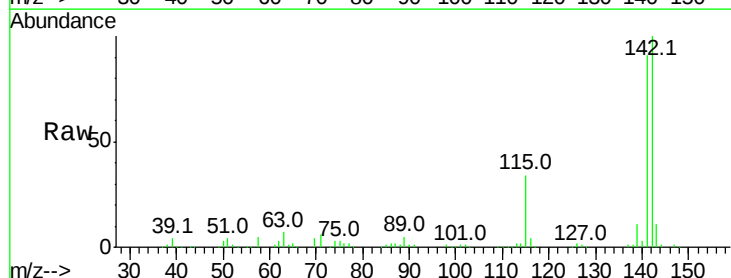
Manual Integrations
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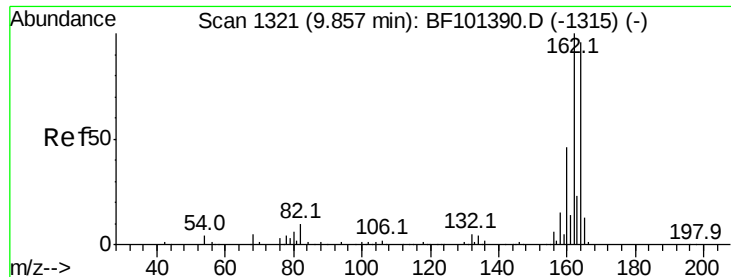
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#37
2-Methylnaphthalene
Concen: 10.666 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Tgt Ion:142 Resp: 230695
Ion Ratio Lower Upper
142 100
141 91.5 70.8 106.2
115 33.7 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

Instrument :

BNA_F

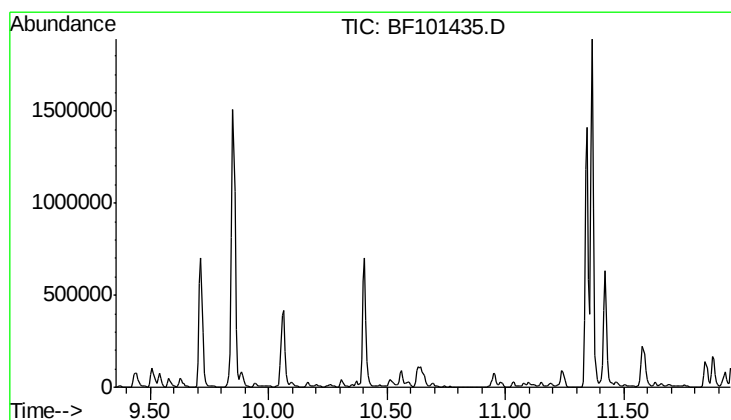
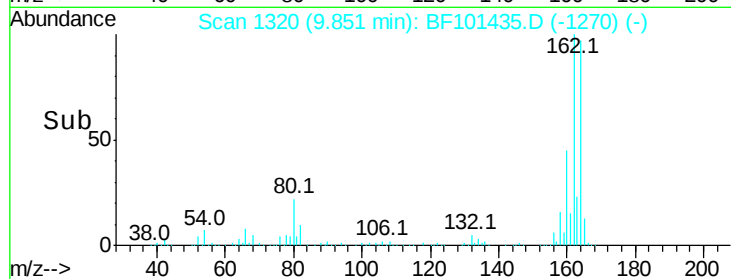
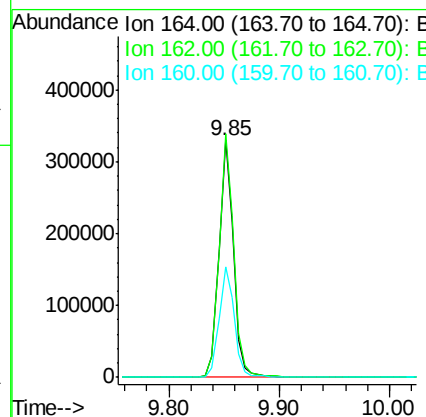
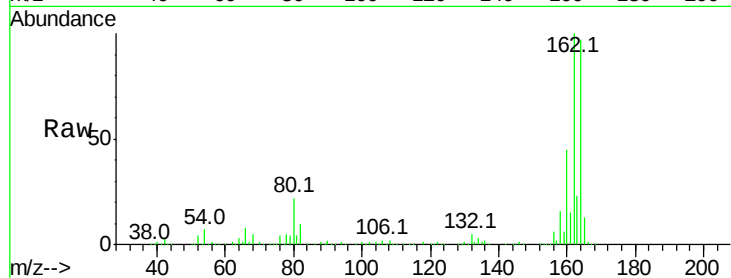
ClientSampleId :

WC-9974103-01DL

Tot Ion:	164	Resp:	297523
Ion Ratio	Lower	Upper	
164	100		
162	102.9	86.1	129.1
160	46.6	38.3	57.5

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.65 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

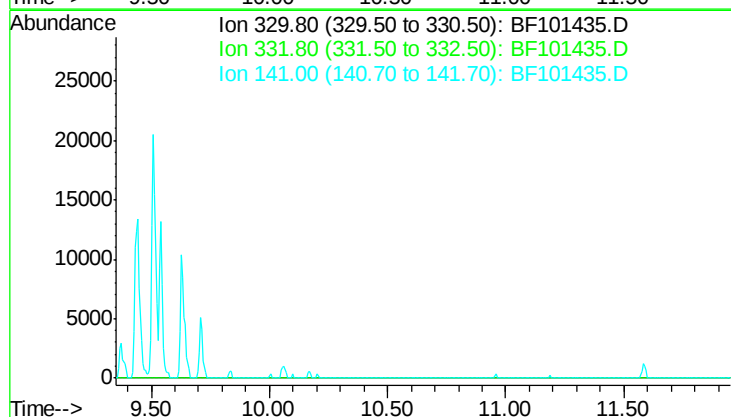
Tgt Ion: 330

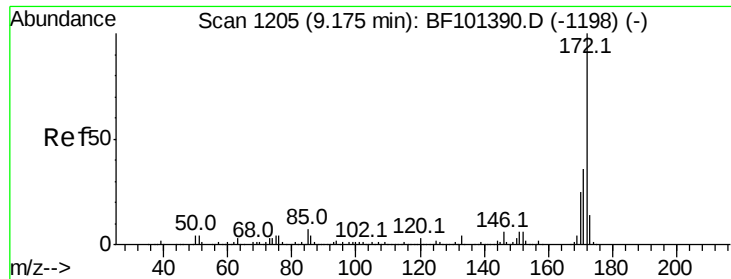
Sig Exp Ratio

330 100

332 96.3

141 37.4





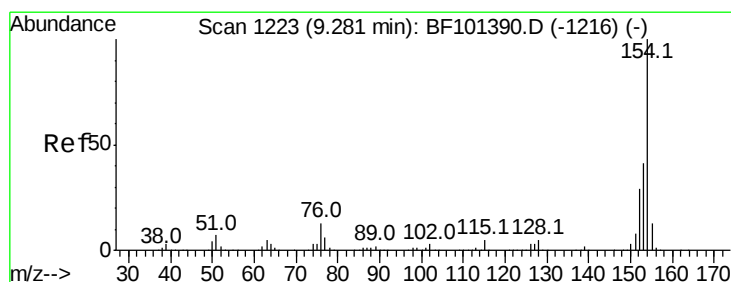
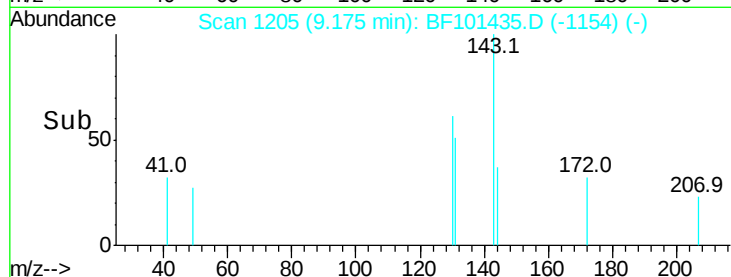
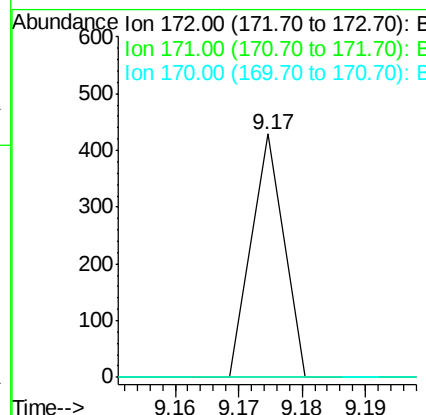
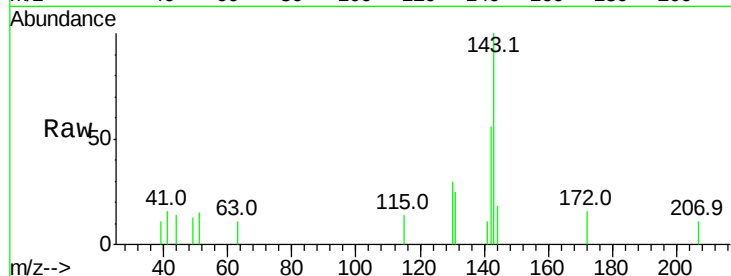
#44
2-Fluorobiphenyl
Concen: 0.008 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	0.0	29.7	44.5#
170	0.0	19.6	29.4#

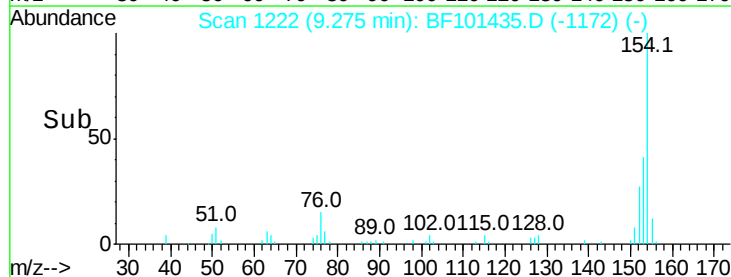
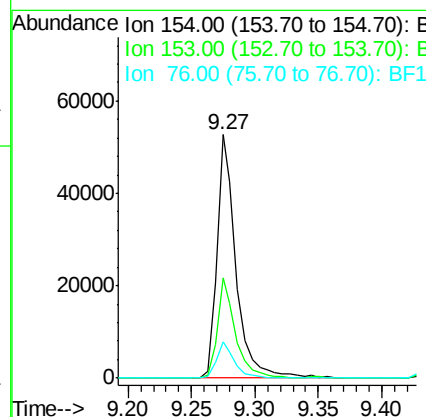
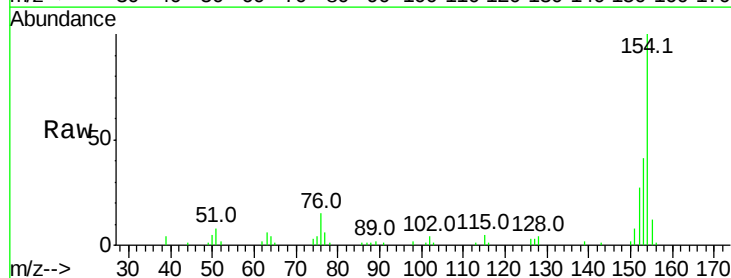
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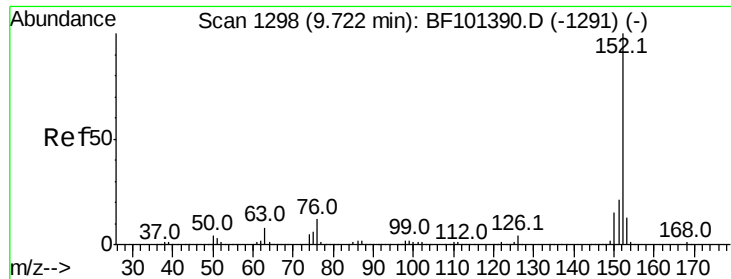
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#45
1,1'-Biphenyl
Concen: 2.112 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.3	61.3
76	14.8	0.0	34.0





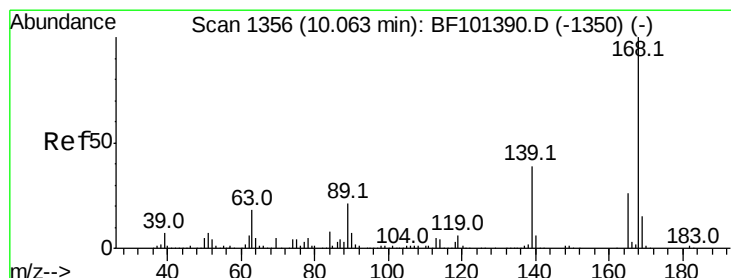
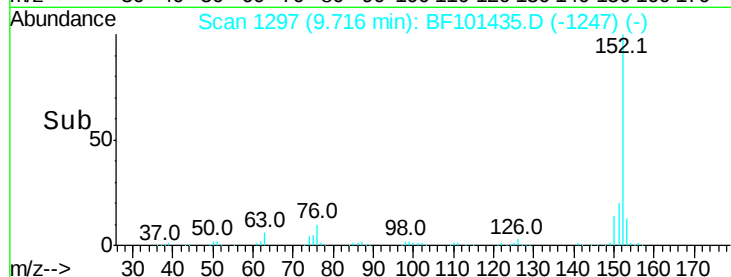
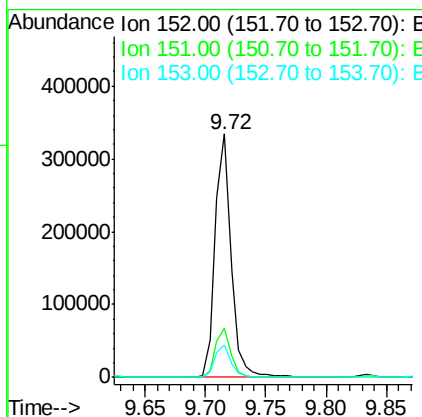
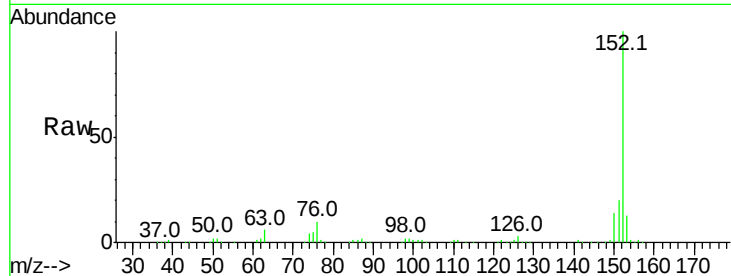
#48
Acenaphthylene
Concen: 9.544 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.4	10.7	16.1

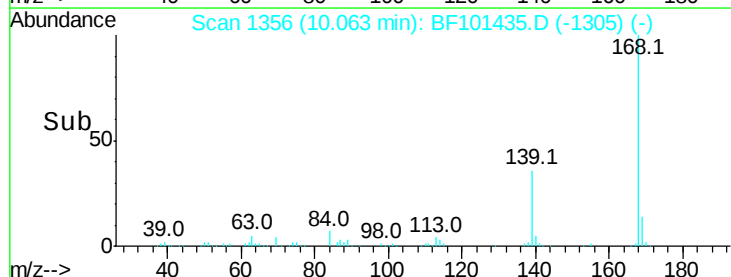
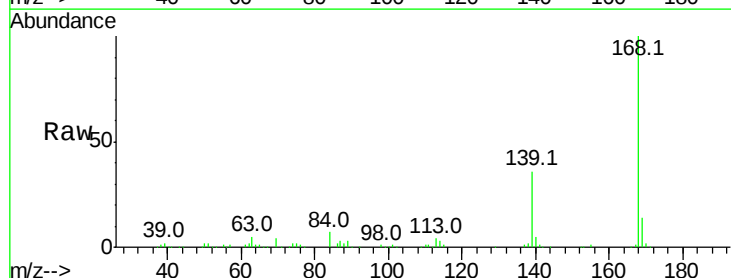
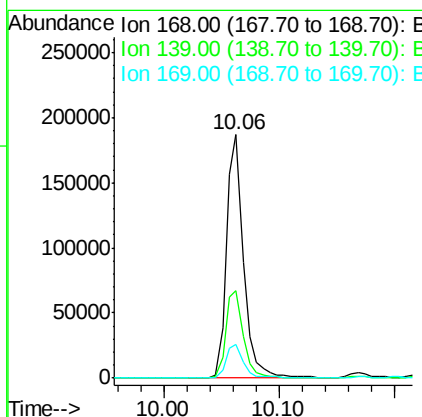
Manual Integrations
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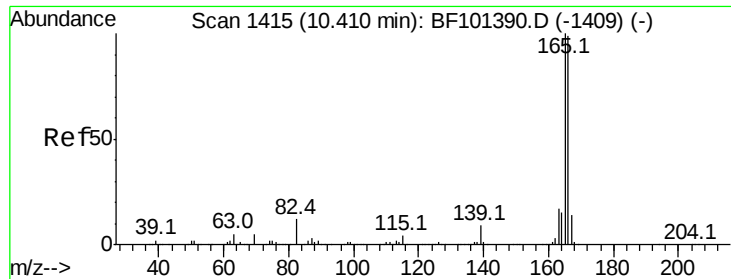
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#54
Dibenzofuran
Concen: 7.807 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.9	30.1	45.1
169	13.7	10.9	16.3





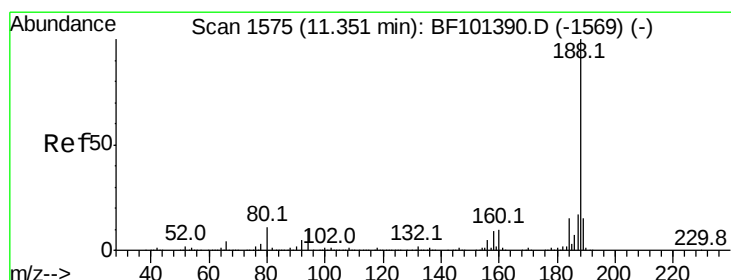
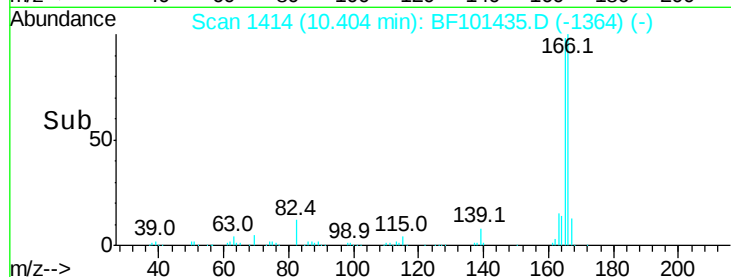
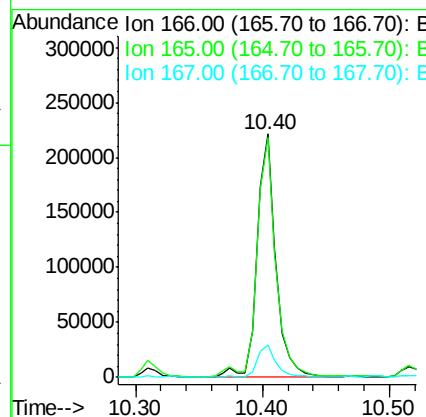
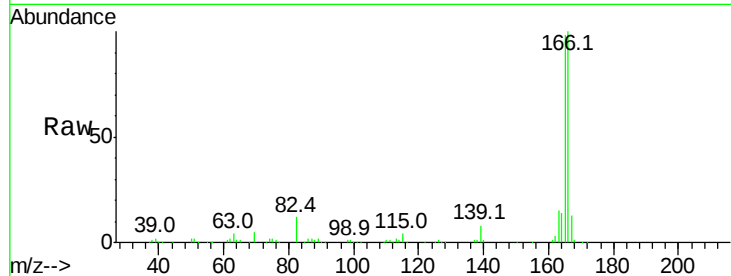
#57
Fluorene
 Concen: 11.169 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101435.D
 Acq: 15 Dec 2017 10:38

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	230037		
165	98.3	79.8	119.8	
167	13.1	10.6	16.0	

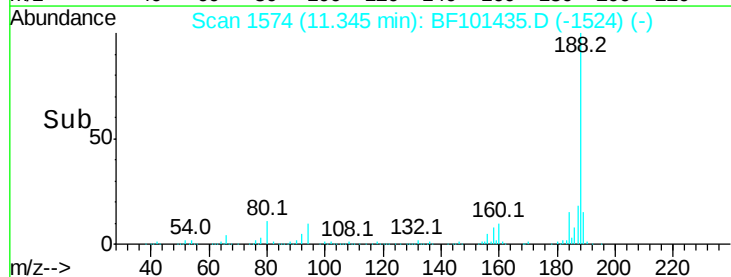
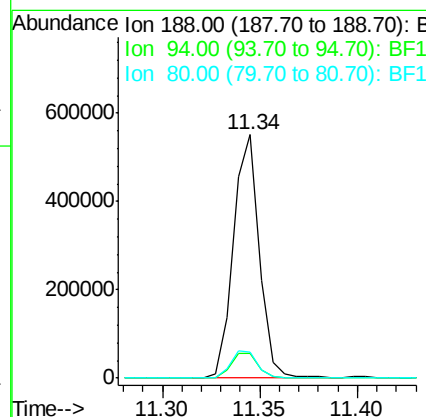
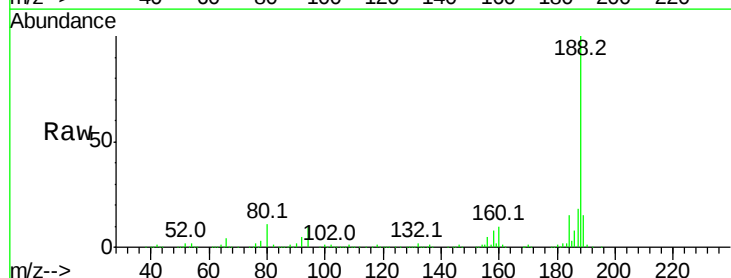
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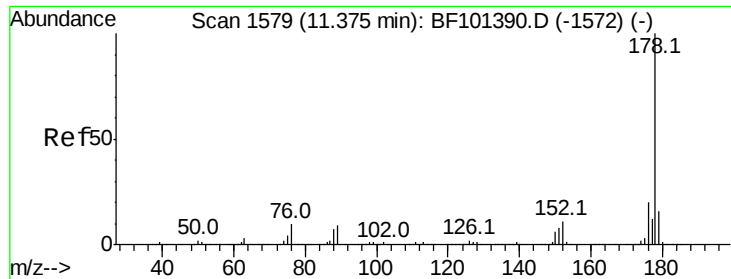
Sohil
 12/15/2017 6:45:32 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF101435.D
 Acq: 15 Dec 2017 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	505828		
94	10.2	8.5	12.7	
80	10.7	9.2	13.8	





#70

Phenanthrene

Concen: 24.100 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

Instrument :

BNA_F

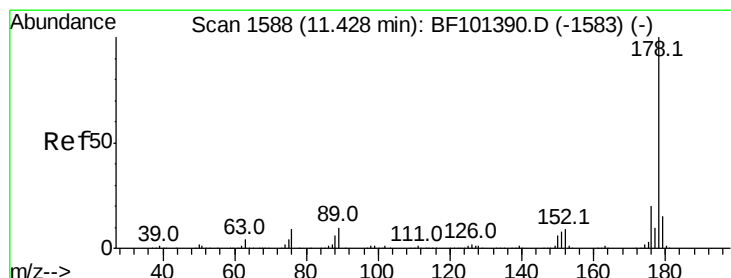
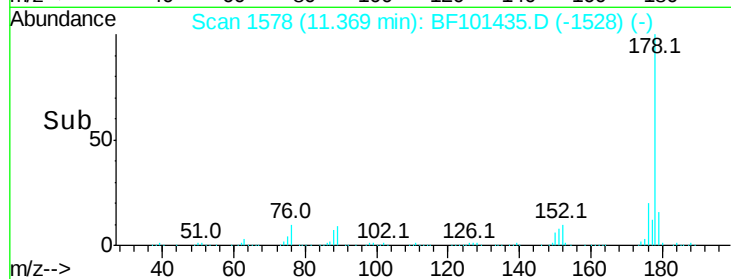
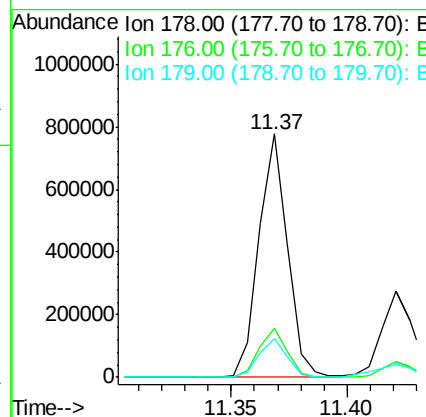
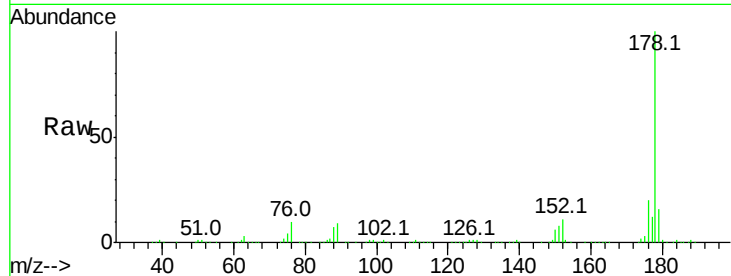
ClientSampleID :

WC-9974103-01DL

Tot Ion:178	Resp:	677920
Ion Ratio	Lower	Upper
178	100	
176	20.1	15.8 23.8
179	15.7	13.0 19.6

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#71

Anthracene

Concen: 9.546 ng

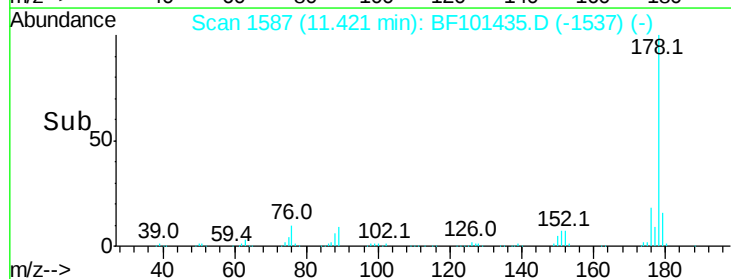
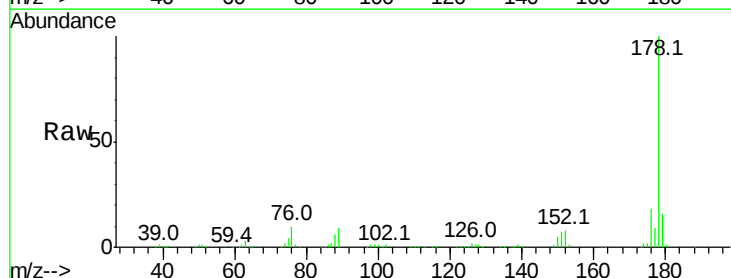
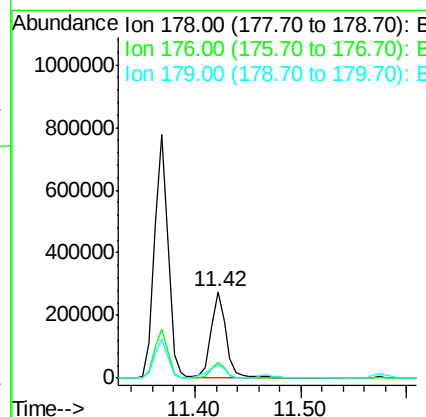
RT: 11.42 min Scan# 1587

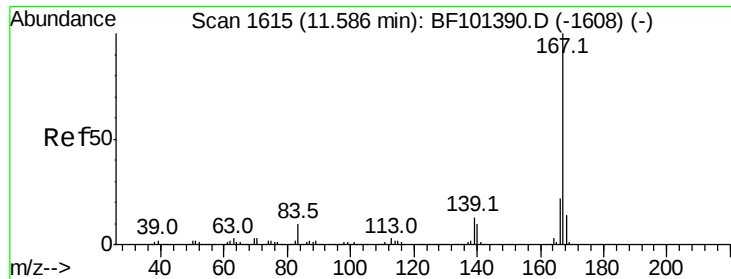
Delta R.T. -0.01 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

Tgt Ion:178	Resp:	274305
Ion Ratio	Lower	Upper
178	100	
176	18.0	15.4 23.2
179	15.6	12.6 19.0





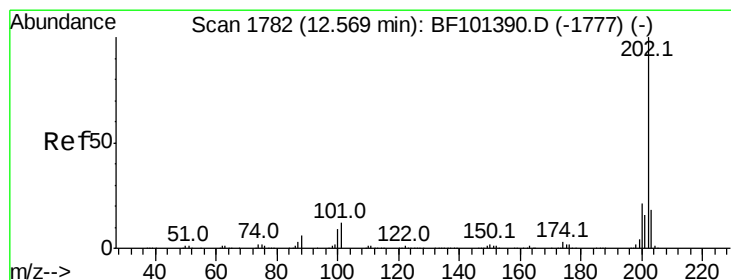
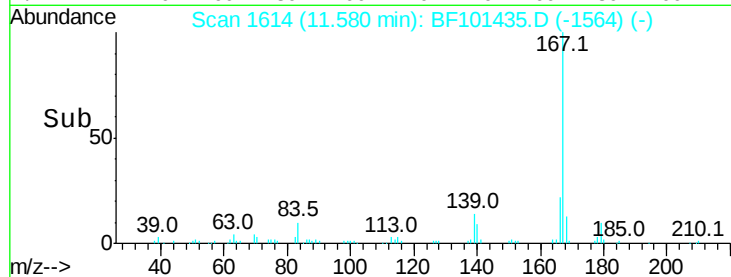
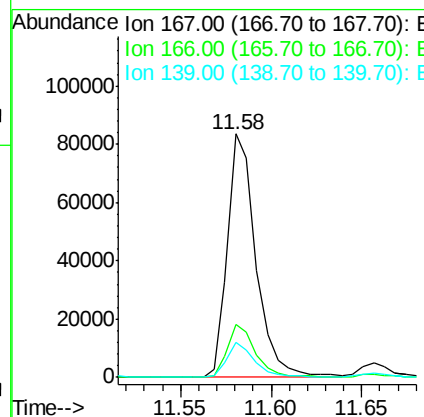
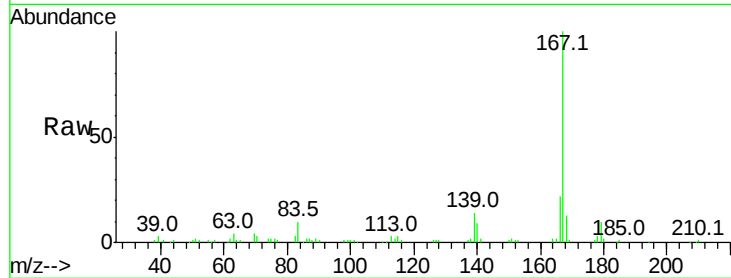
#72
 Carbazole
 Concen: 3.404 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF101435.D
 Acq: 15 Dec 2017 10:38

Instrument :
 BNA_F
 ClientSampleId :
 WC-9974103-01DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	14.4	10.9	16.3

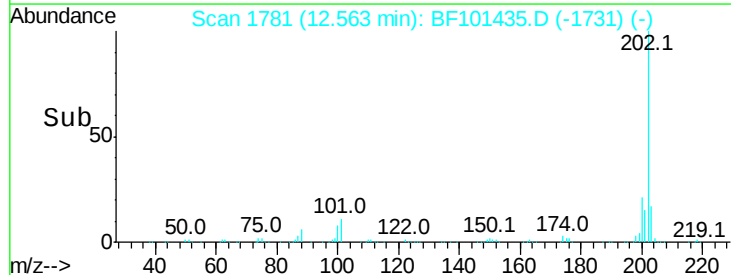
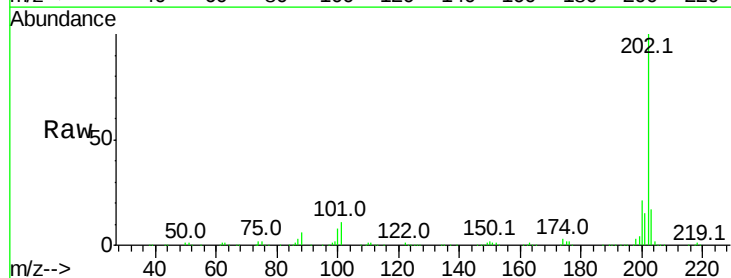
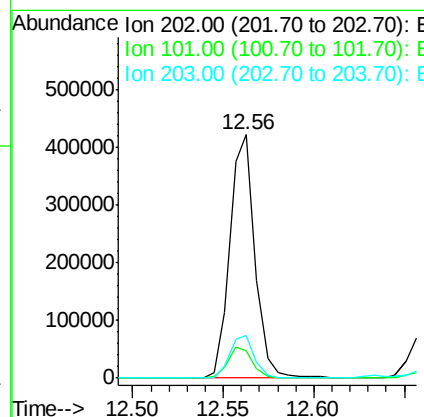
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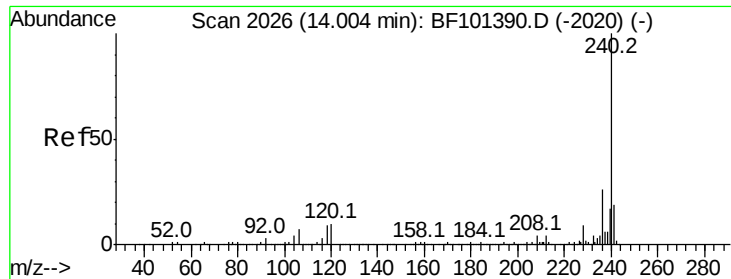
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#74
 Fluoranthene
 Concen: 13.745 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF101435.D
 Acq: 15 Dec 2017 10:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

Instrument :

BNA_F

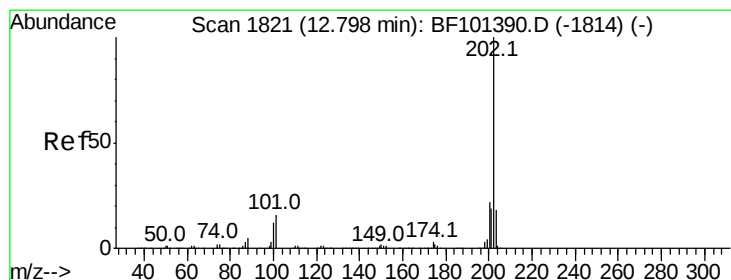
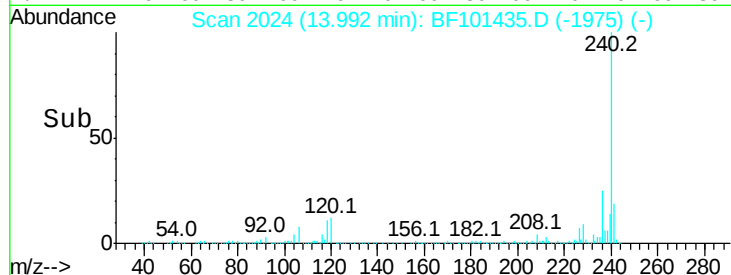
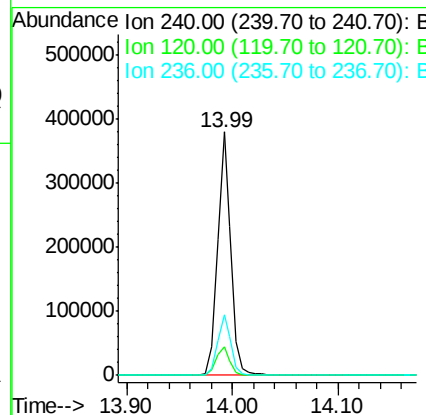
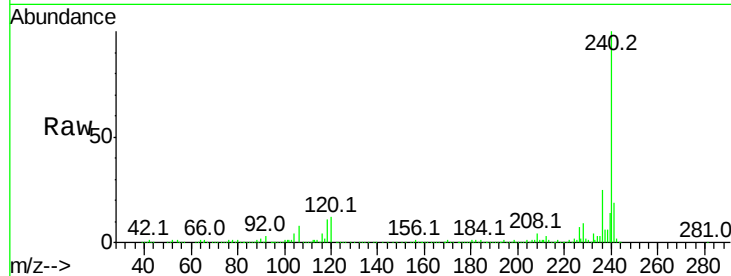
ClientSampleID :

WC-9974103-01DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.9	9.5	14.3	
236	24.8	20.7	31.1	

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#77

Pyrene

Concen: 11.699 ng

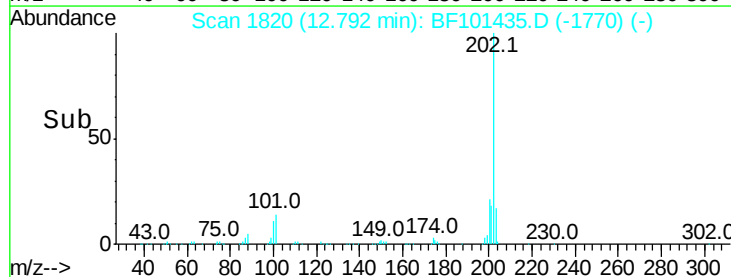
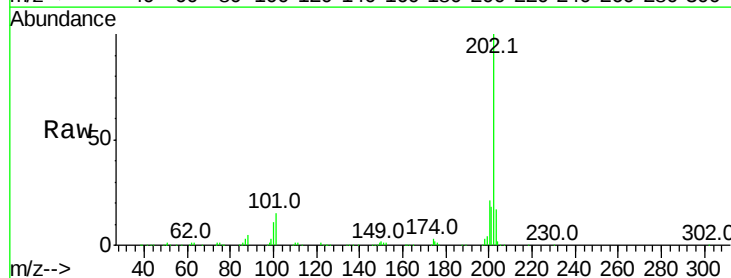
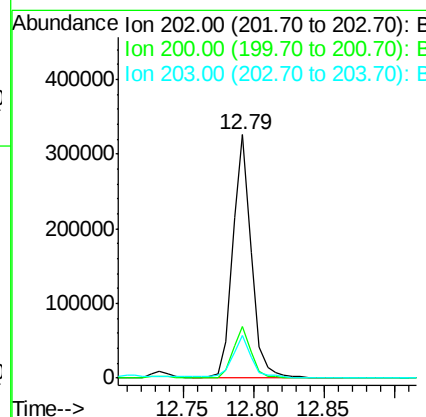
RT: 12.79 min Scan# 1820

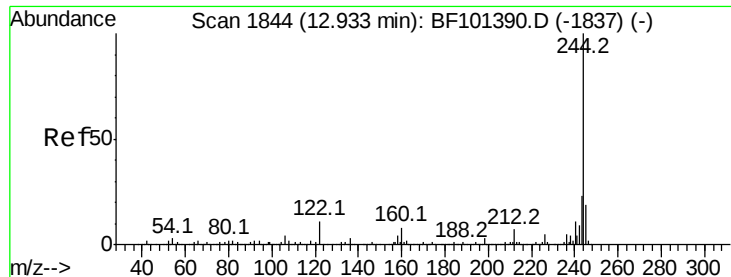
Delta R.T. -0.01 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.4	26.2	
203	17.3	14.3	21.5	





#78

Terphenyl-d14

Concen: 0.054 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

Instrument :

BNA_F

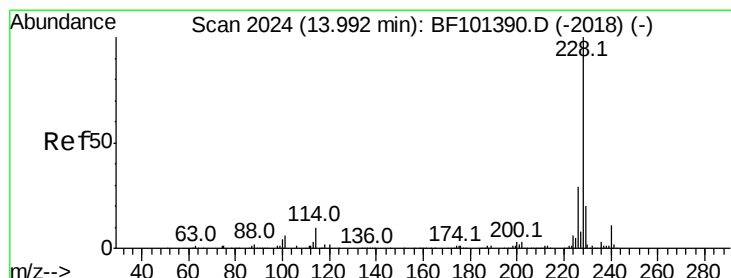
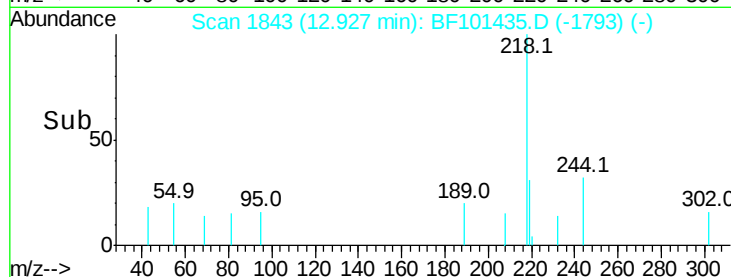
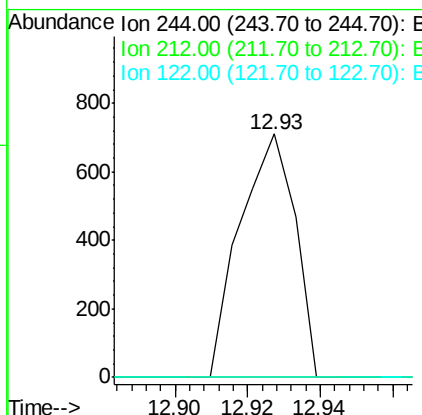
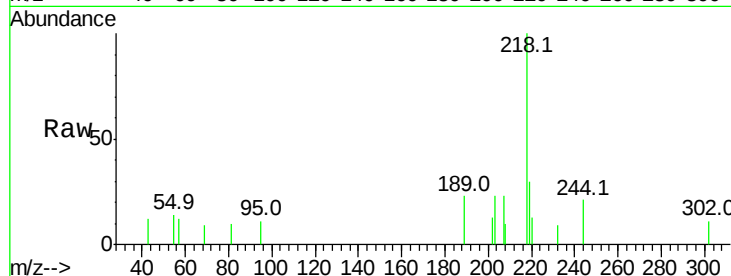
ClientSampleId :

WC-9974103-01DL

Tot Ion:	244	Resp:	747
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: 5.855 ng

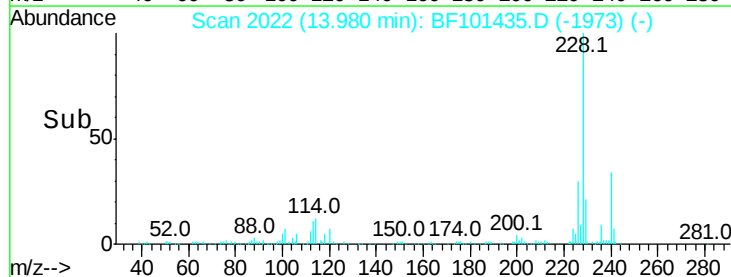
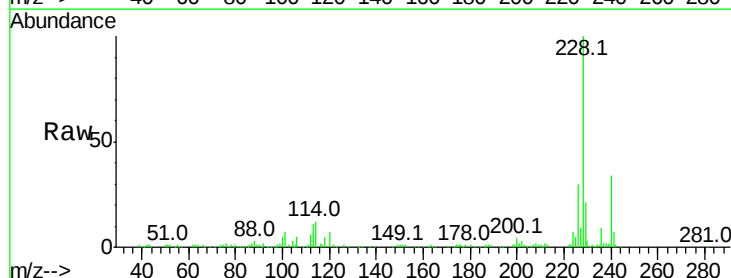
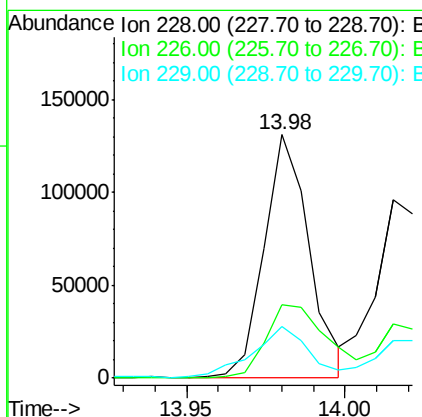
RT: 13.98 min Scan# 2022

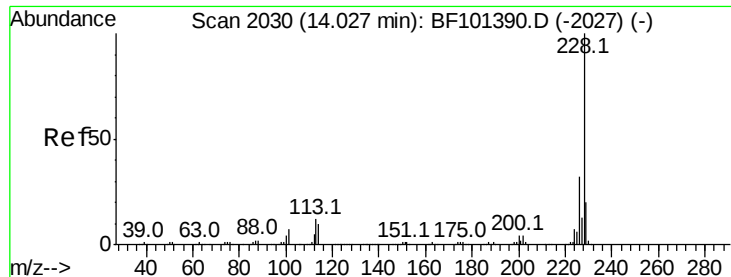
Delta R.T. -0.01 min

Lab File: BF101435.D

Acq: 15 Dec 2017 10:38

Tgt Ion:	228	Resp:	129586
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.6	33.8
229	21.3	15.8	23.6





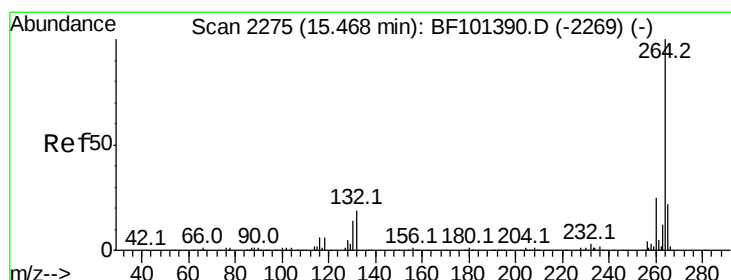
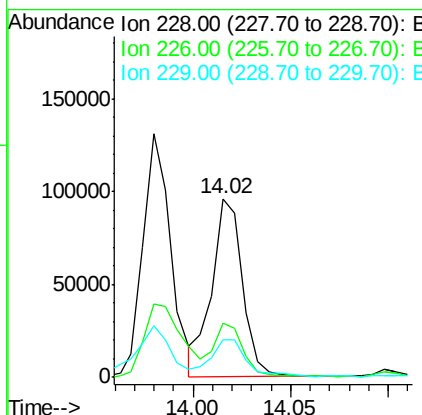
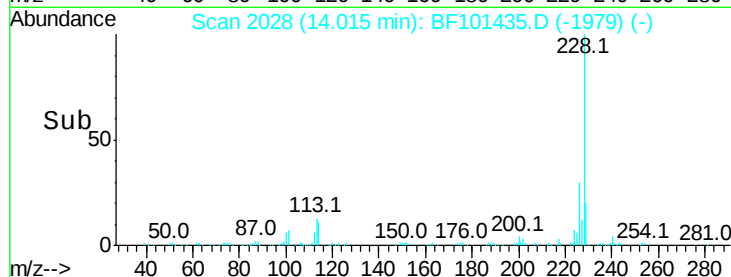
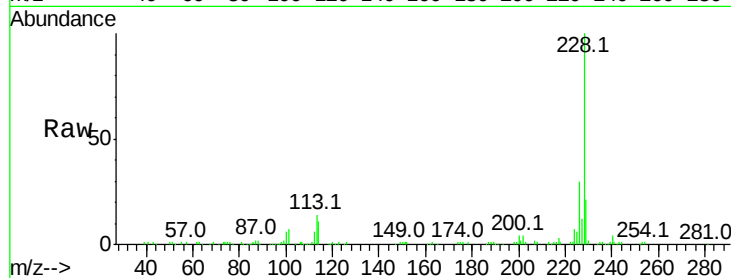
#82
Chrysene
Concen: 5.026 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Instrument :
BNA_F
ClientSampleID :
WC-9974103-01DL

Tot Ion:	228	Resp:	105027
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.6
229	21.0	16.2	24.4

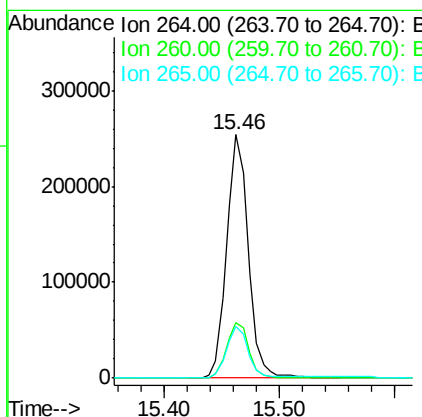
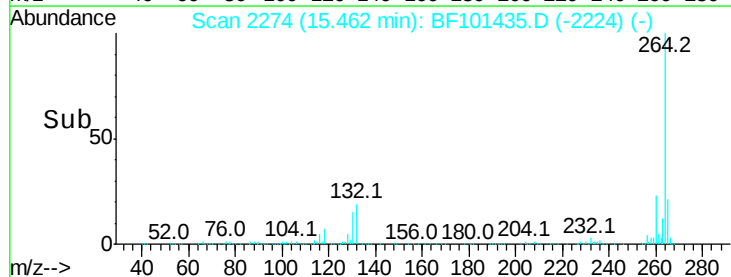
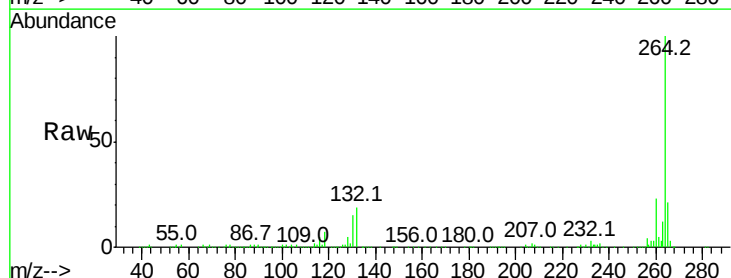
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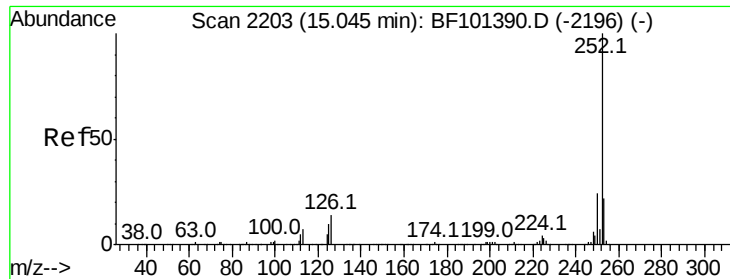
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Tgt Ion:	264	Resp:	329971
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.2	28.8
265	21.2	17.5	26.3





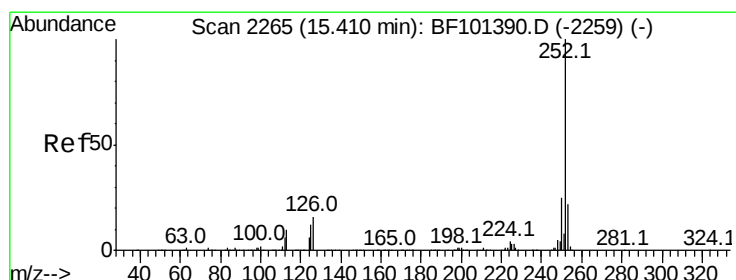
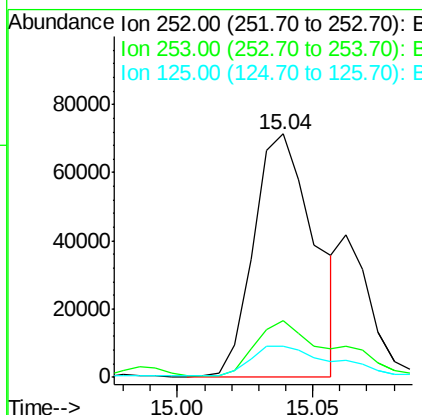
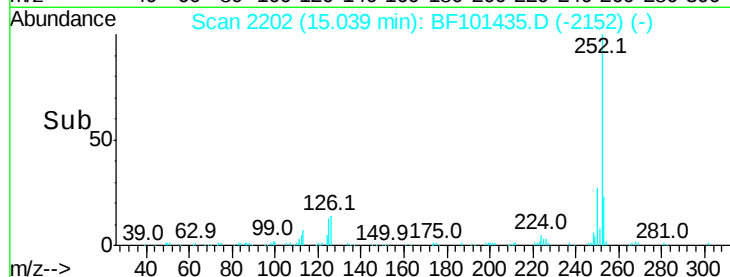
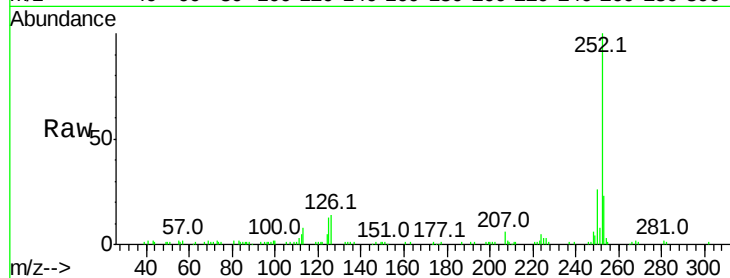
#87
Benzo(b)fluoranthene
Concen: 5.544 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Instrument :
BNA_F
ClientSampleId :
WC-9974103-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	12.8	9.0	13.6

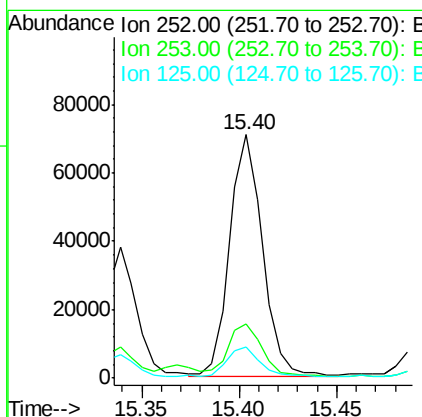
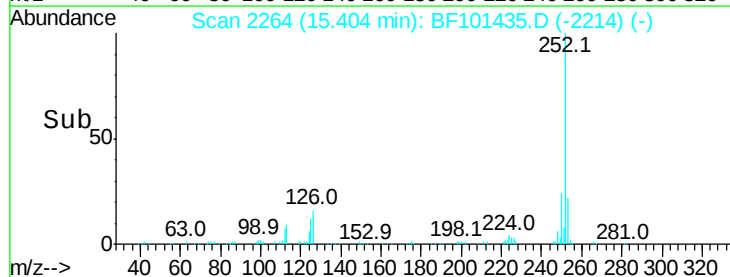
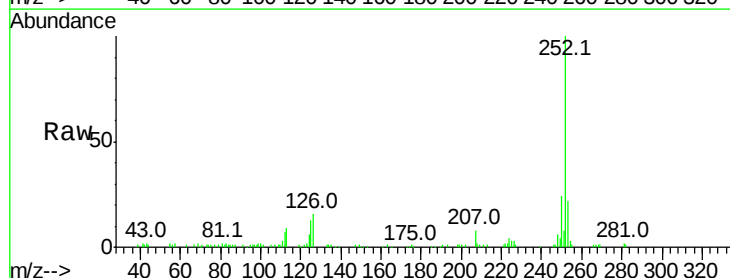
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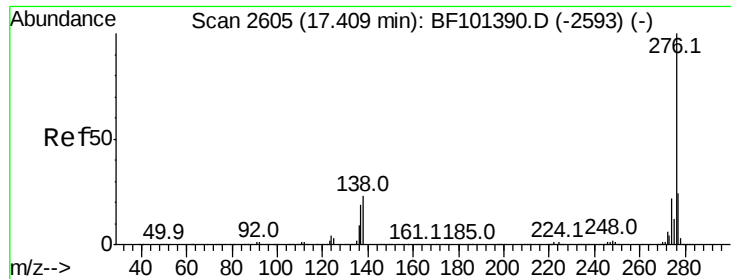
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#89
Benzo(a)pyrene
Concen: 4.513 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101435.D
Acq: 15 Dec 2017 10:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	12.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.029 ng/ml
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BF101435.D
 Acq: 15 Dec 2017 10:38

Instrument :
 BNA_F
 ClientSampleID :
 WC-9974103-01DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.6	17.9	26.9
138	20.9	21.8	32.8

Manual Integrations
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