

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101731.D
 Acq On : 26 Dec 2017 23:20
 Operator : SJ/JU
 Sample : I6966-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-EW-3-4-10

Manual Integrations
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Quant Time: Dec 27 06:26:39 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	139950	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	493525	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	189188	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	306127	20.00	ng	0.00
75) Chrysene-d12	13.99	240	201888	20.00	ng	0.02
86) Perylene-d12	15.49	264	193672	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	911225	96.99	ng	0.01
7) Phenol-d6	6.43	99	1060042	90.66	ng	0.00
23) Nitrobenzene-d5	7.36	82	622633	70.23	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	170182	93.35	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	848810	69.60	ng	0.00
78) Terphenyl-d14	12.91	244	599602	71.60	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.45	94	44636	3.349	ng	# 58
31) Naphthalene	8.09	128	140443	5.653	ng	99
37) 2-Methylnaphthalene	8.79	142	70258	4.340	ng	97
49) Dimethylphthalate	9.55	163	49499	3.253	ng	# 97
51) Acenaphthene	9.86	154	45209	3.711	ng	99
54) Dibenzofuran	10.04	168	53507	3.456	ng	98
57) Fluorene	10.38	166	74085	5.657	ng	98
70) Phenanthrene	11.34	178	459376	26.984	ng	99
71) Anthracene	11.40	178	101250m	5.822	ng	
72) Carbazole	11.56	167	42652	2.620	ng	# 82
74) Fluoranthene	12.55	202	428843	23.999	ng	95
77) Pyrene	12.78	202	388050	25.611	ng	98
80) Benzo(a)anthracene	13.98	228	169145	12.688	ng	# 93
82) Chrysene	14.02	228	164372	13.059	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.97	276	83724	7.470	ng	# 91
87) Benzo(b)fluoranthene	15.05	252	161885m	13.714	ng	
88) Benzo(k)fluoranthene	15.07	252	54092m	4.713	ng	
89) Benzo(a)pyrene	15.43	252	116880	10.740	ng	# 66
91) Benzo(g,h,i)perylene	17.43	276	82706	8.939	ng	# 91

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

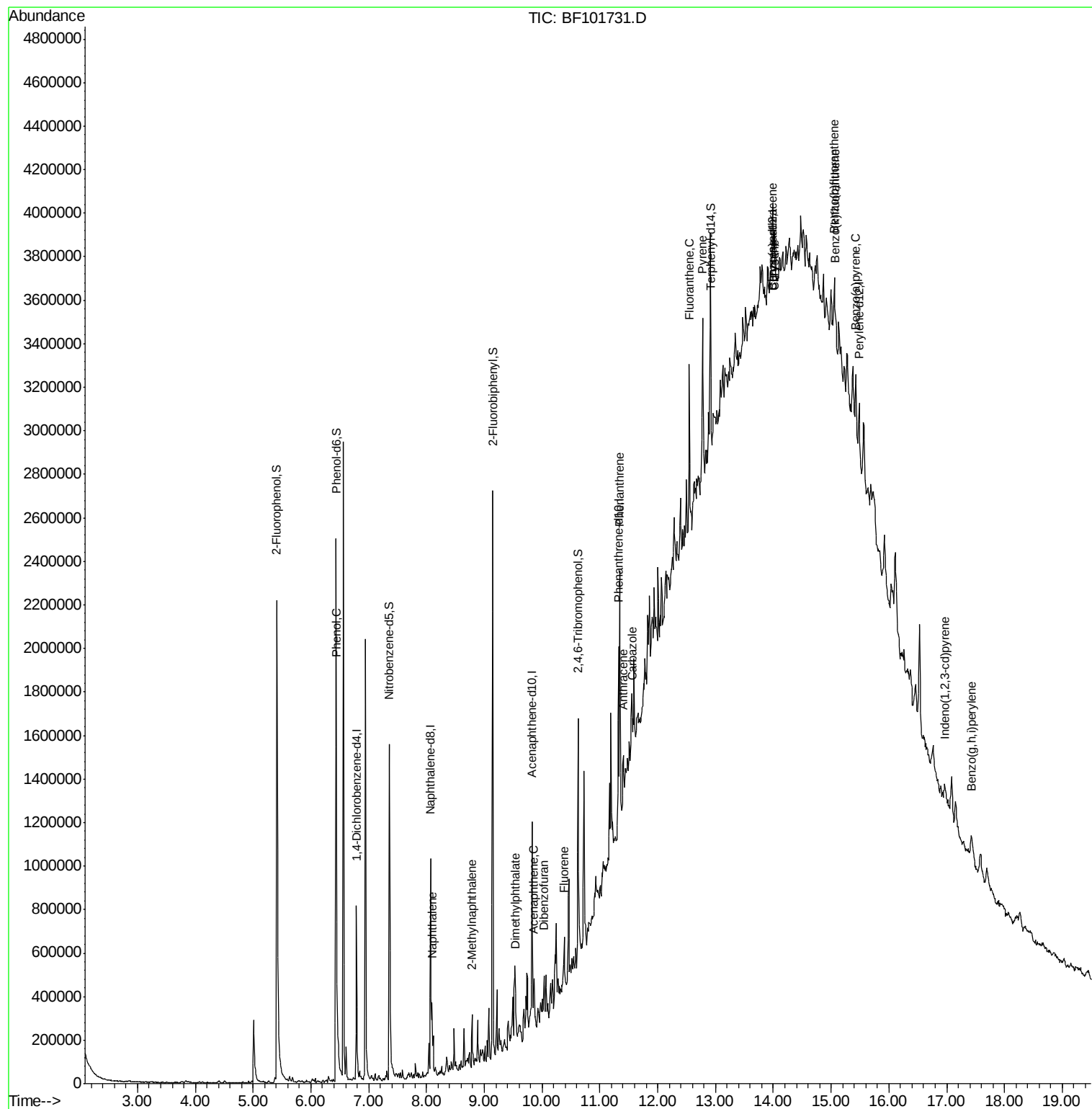
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101731.D
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ALS Vial : 12 Sample Multiplier: 1

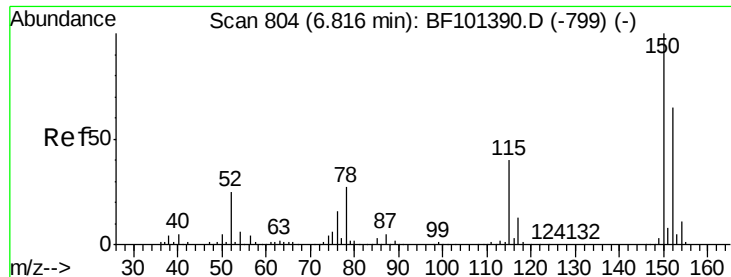
Instrument :
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ClientSampleID :
DB-EW-3-4-10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

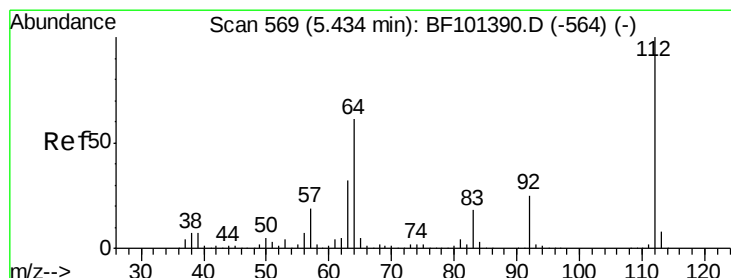
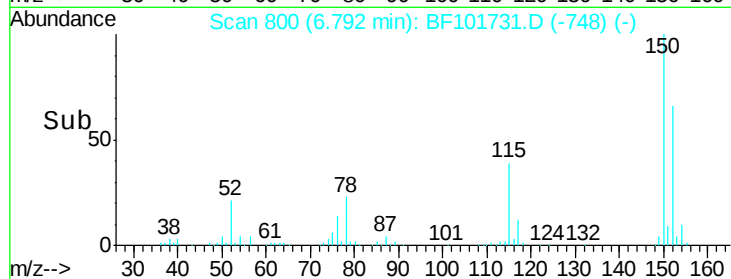
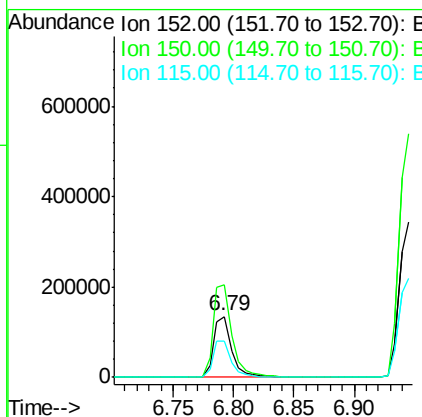
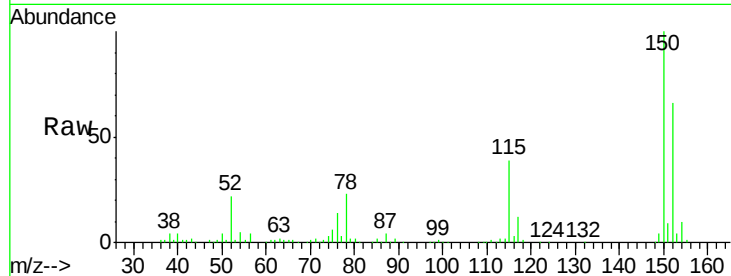
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-4-10

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	124.6	186.8
115	58.5	50.1	75.1

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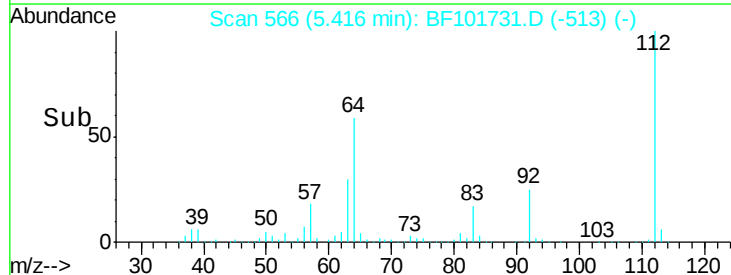
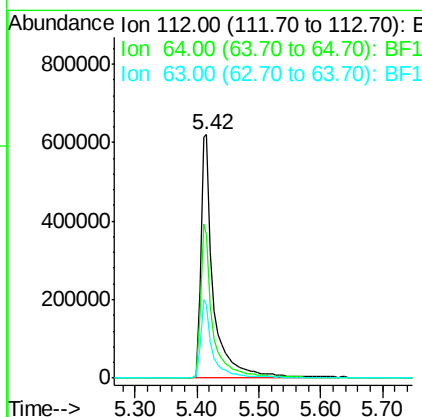
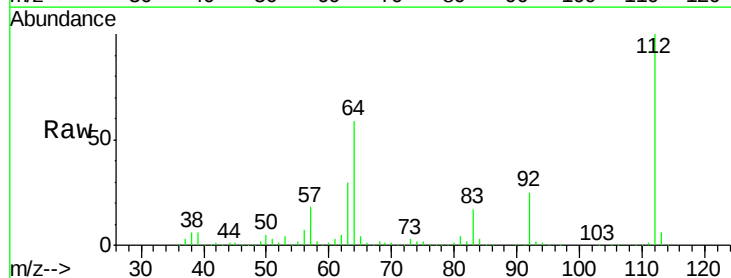
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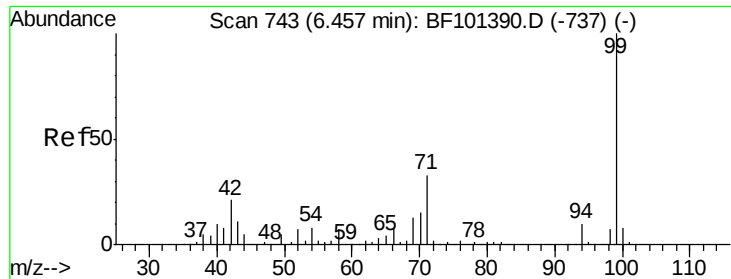


#5

2-Fluorophenol
Concen: 96.988 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 90.658 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Instrument :

BNA_F

ClientSampleId :

DB-EW-3-4-10

Tgt Ion: 99 Resp: 1060042

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

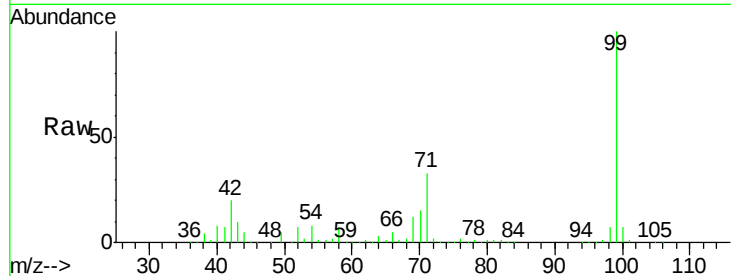
71 33.2 25.4 38.0

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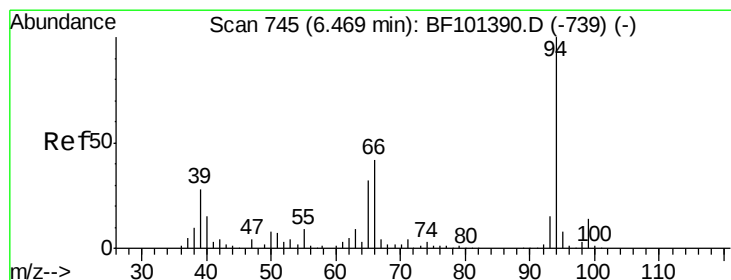
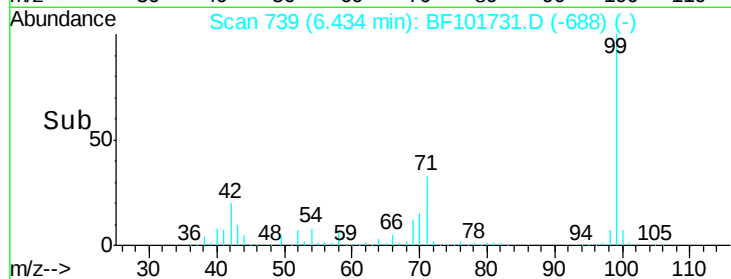
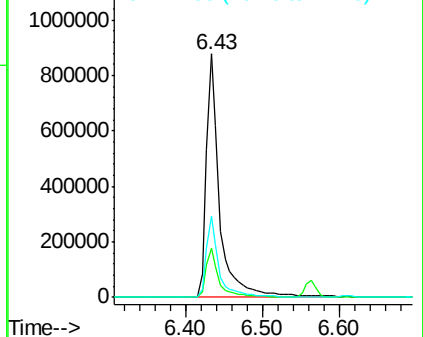
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.349 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

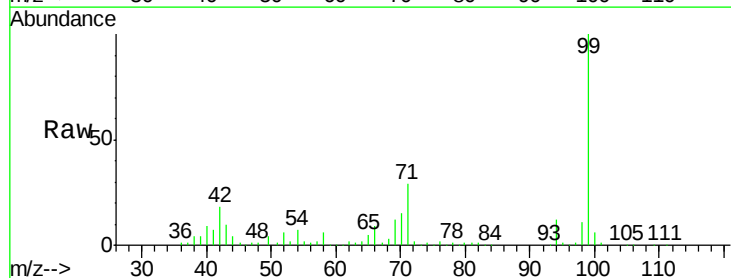
Tgt Ion: 94 Resp: 44636

Ion Ratio Lower Upper

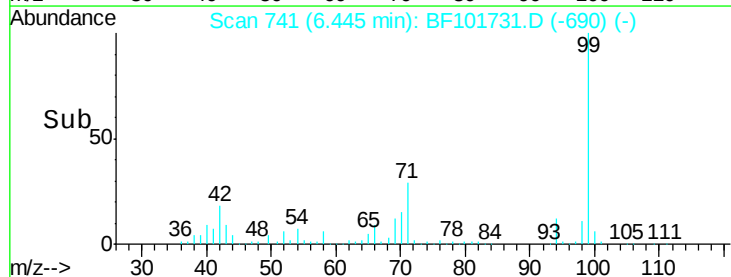
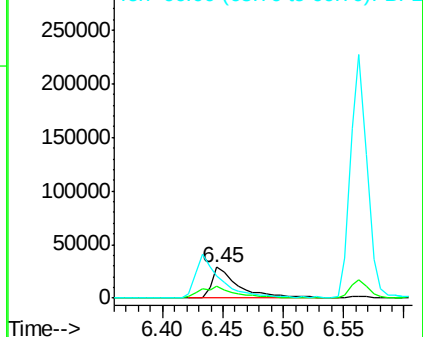
94 100

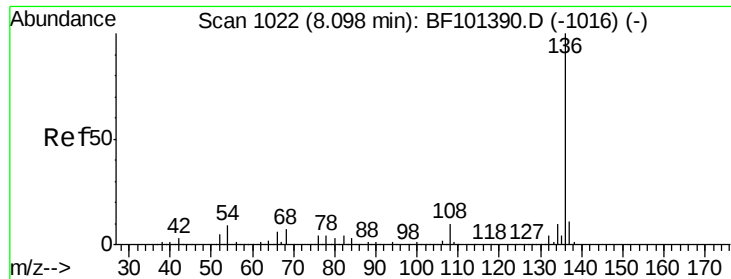
65 39.0 7.9 47.9

66 70.8 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





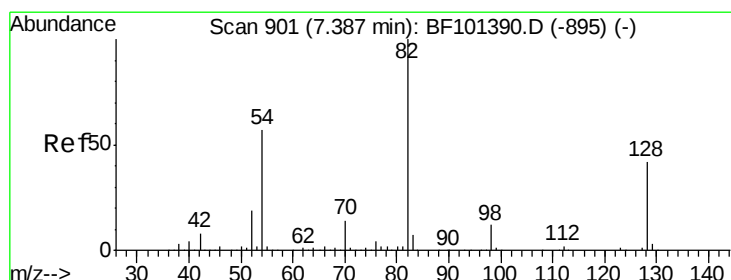
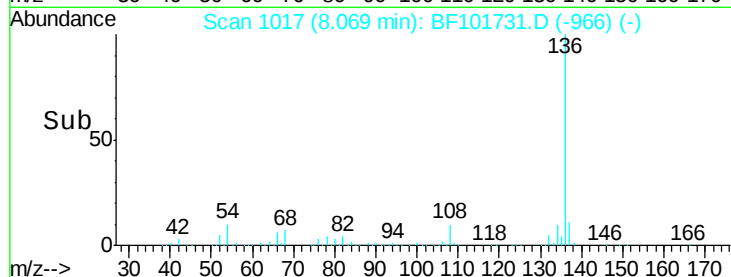
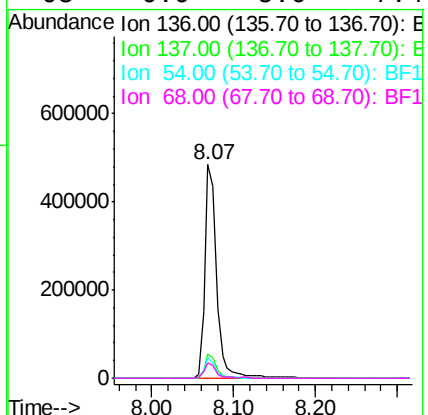
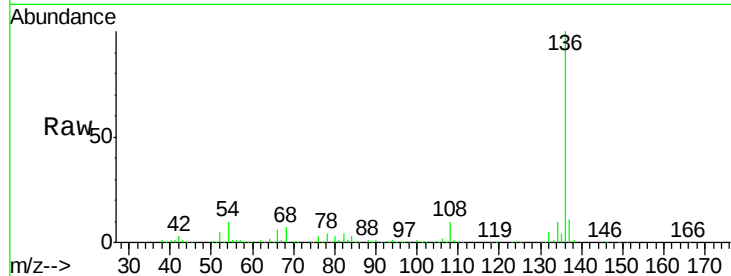
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-4-10

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	493525		
137	11.3	8.9	13.3	
54	9.7	6.6	9.8	
68	6.9	5.0	7.4	

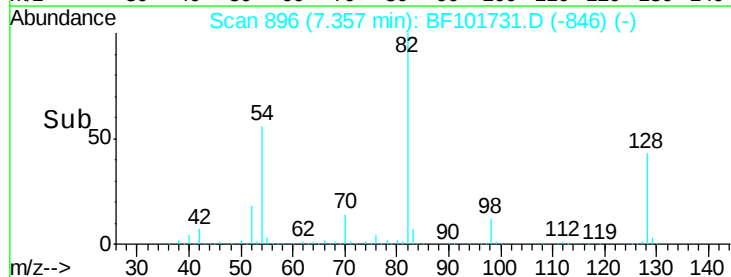
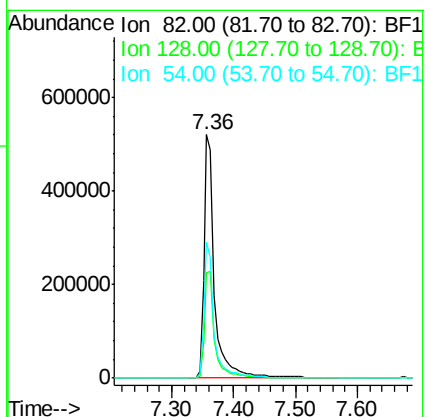
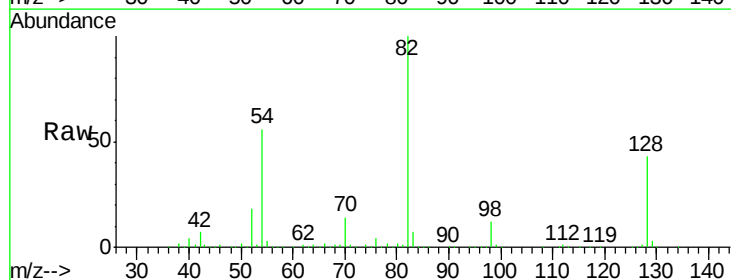
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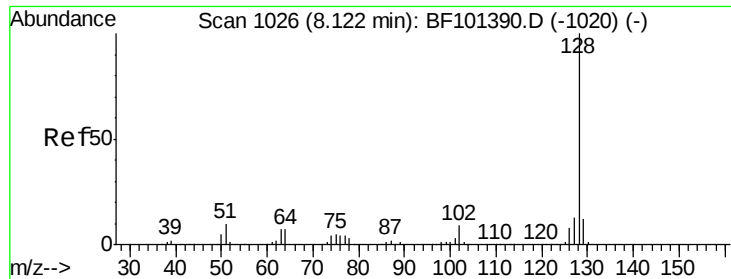
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#23
Nitrobenzene-d5
Concen: 70.228 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	622633		
128	43.1	36.1	54.1	
54	55.8	41.4	62.2	





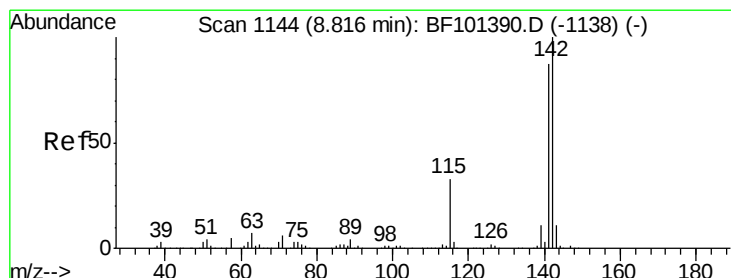
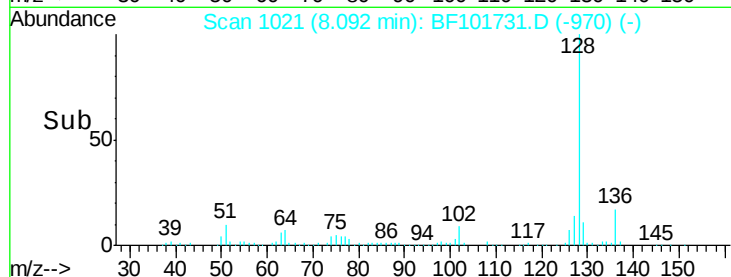
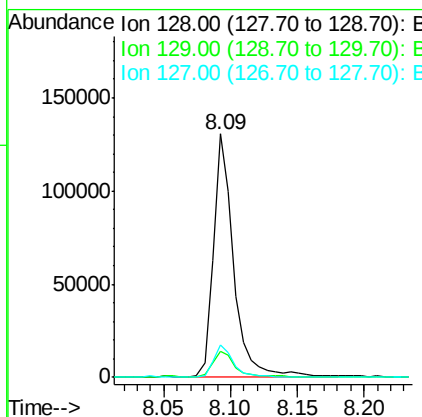
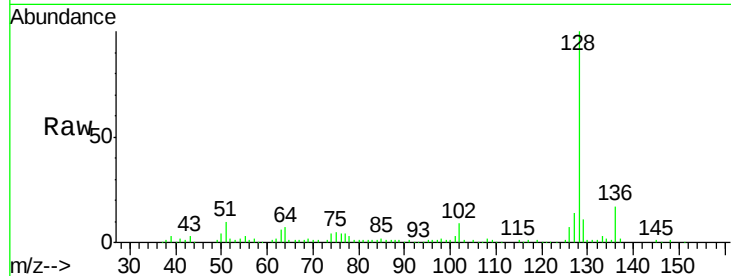
#31
Naphthalene
Concen: 5.653 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-4-10

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	140443		
129	10.5		8.8	13.2
127	13.6		10.9	16.3

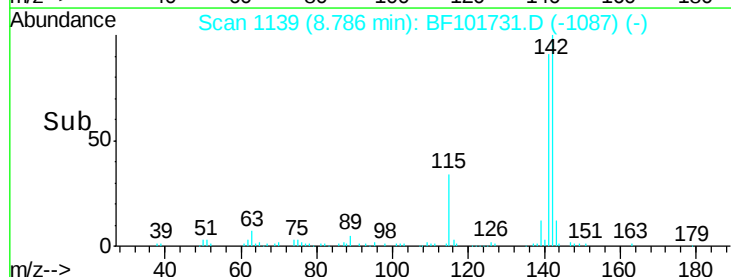
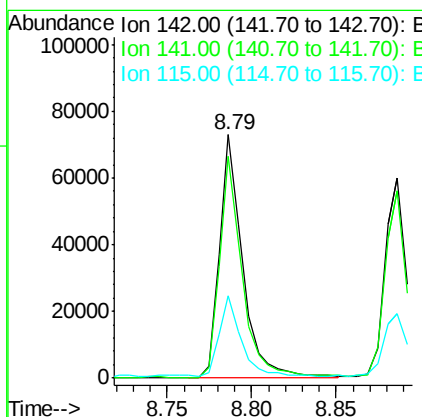
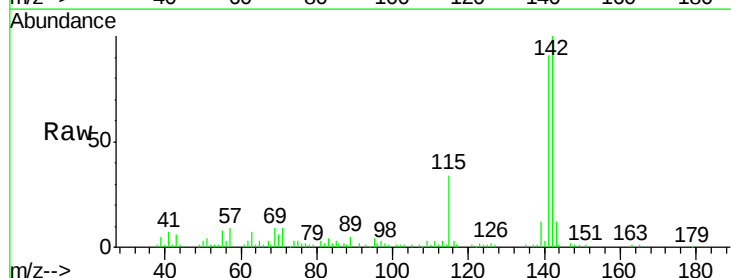
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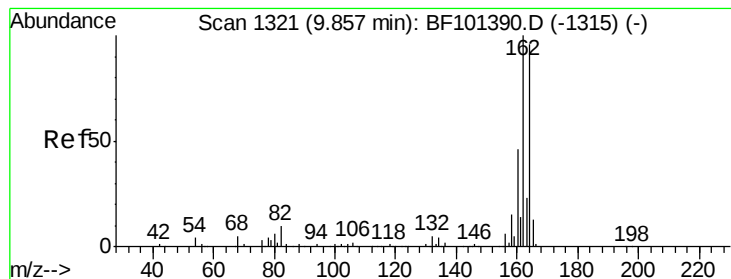
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#37
2-Methylnaphthalene
Concen: 4.340 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	70258		
141	90.9		70.8	106.2
115	34.0		26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Instrument :

BNA_F

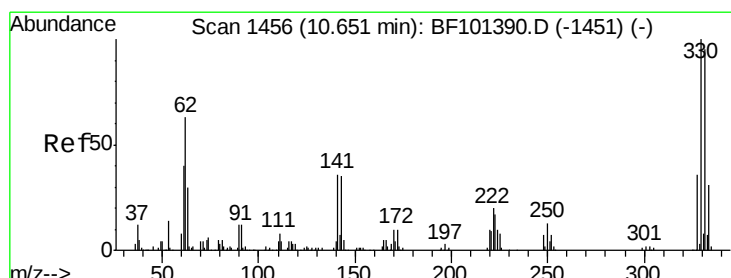
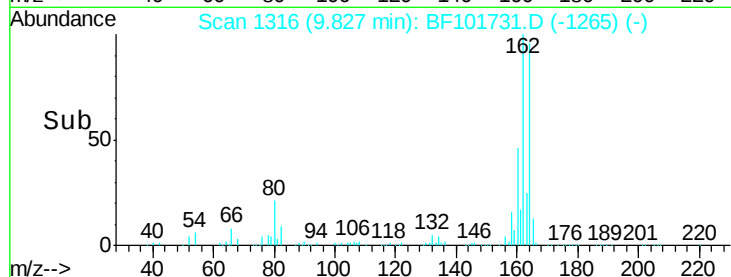
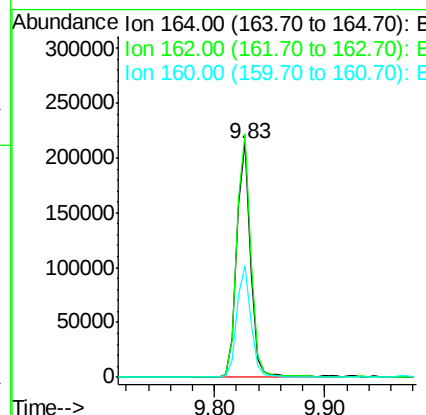
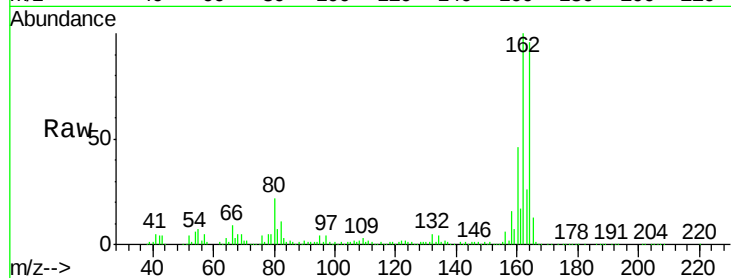
ClientSampleId :

DB-EW-3-4-10

Tgt Ion:	164	Resp:	189188
Ion Ratio	Lower	Upper	
164	100		
162	104.0	86.1	129.1
160	47.7	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 93.354 ng

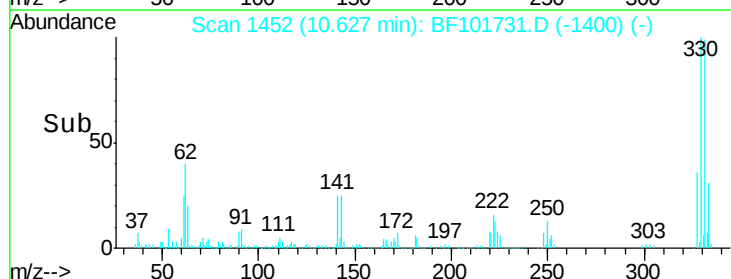
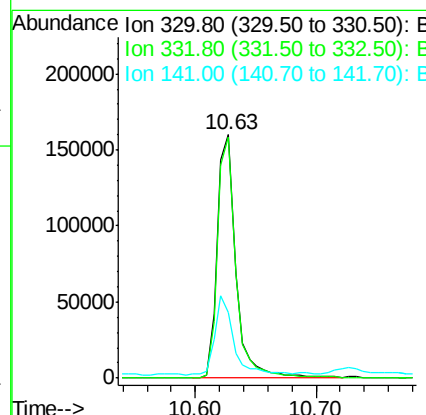
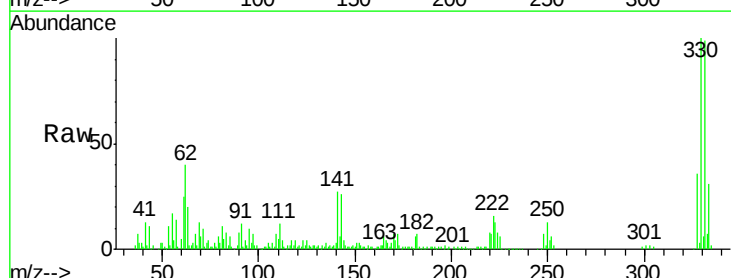
RT: 10.63 min Scan# 1452

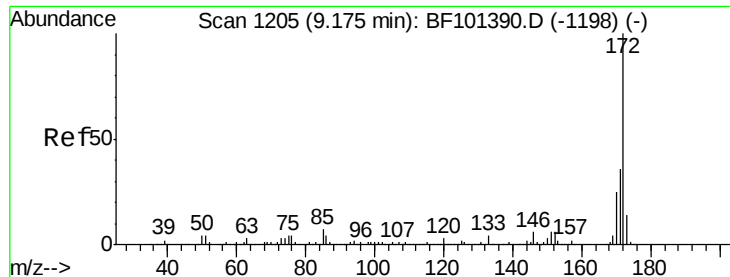
Delta R.T. 0.01 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Tgt Ion:	330	Resp:	170182
Ion Ratio	Lower	Upper	
330	100		
332	97.5	77.0	115.6
141	32.6	29.9	44.9





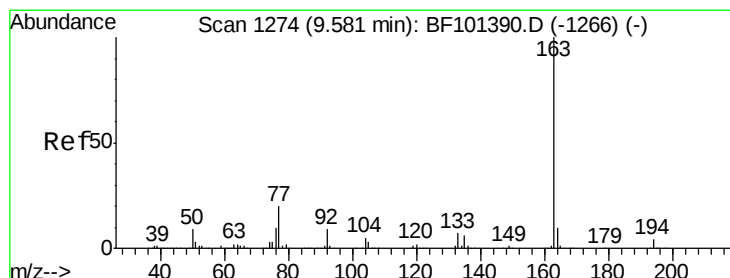
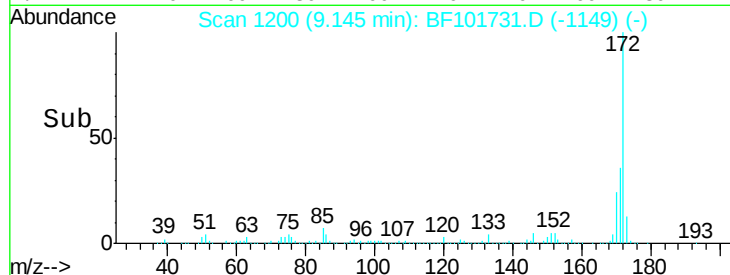
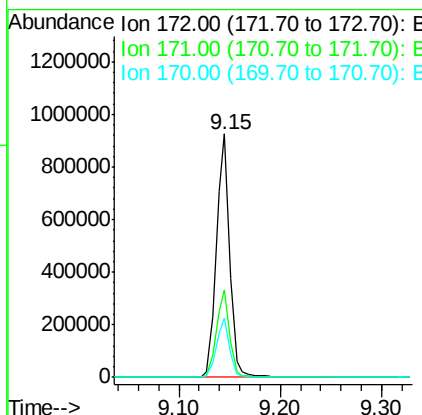
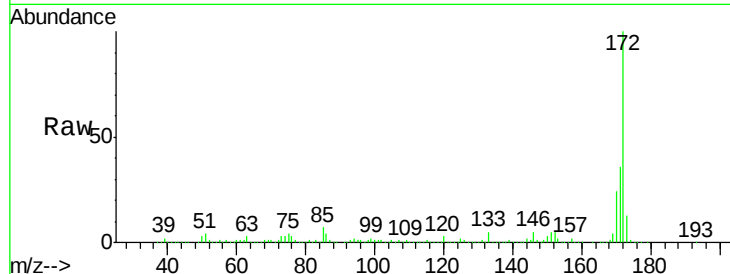
#44
2-Fluorobiphenyl
Concen: 69.598 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-4-10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	848810		
171	35.8	29.7	44.5	
170	24.3	19.6	29.4	

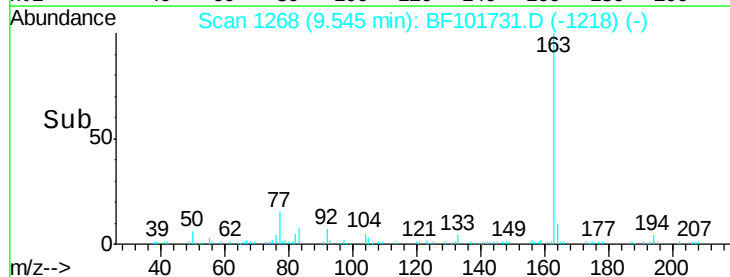
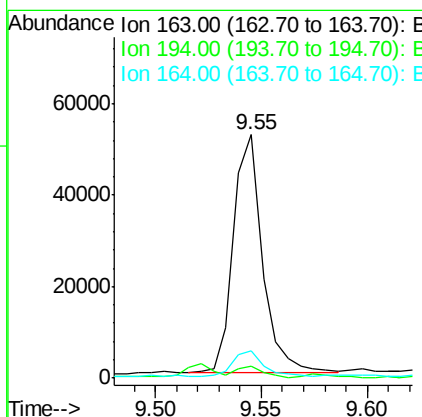
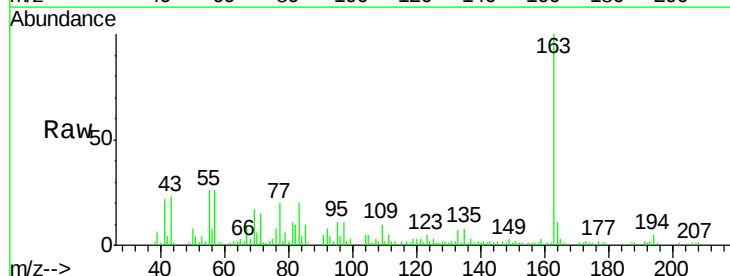
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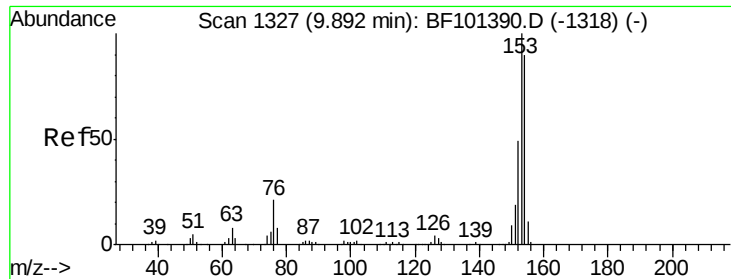
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#49
Dimethylphthalate
Concen: 3.253 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	49499		
194	4.8	2.7	4.1#	
164	11.0	8.2	12.2	





#51

Acenaphthene

Concen: 3.711 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Instrument :

BNA_F

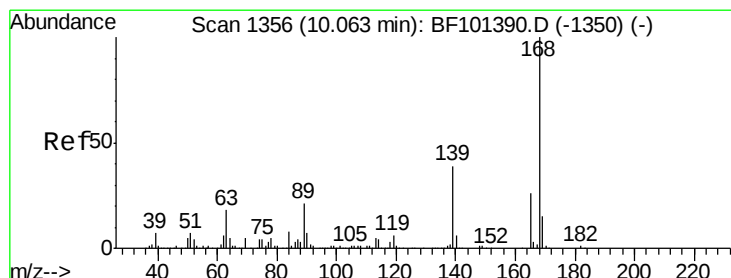
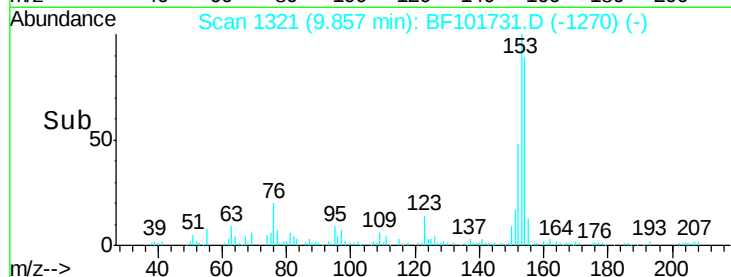
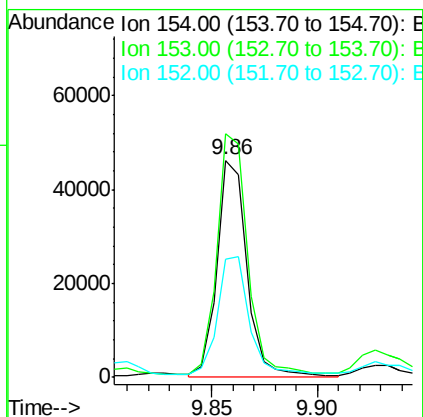
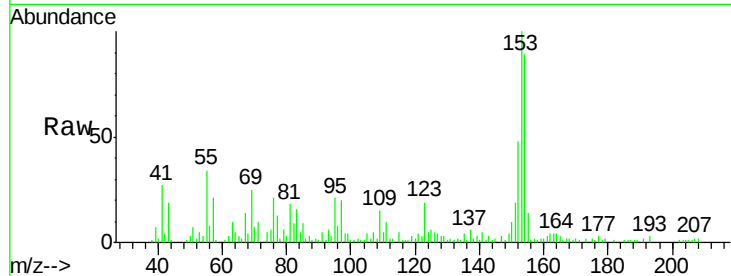
ClientSampleId :

DB-EW-3-4-10

Tgt Ion:	154	Resp:	45209
Ion Ratio	Lower	Upper	
154	100		
153	112.1	91.2	136.8
152	54.2	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 3.456 ng

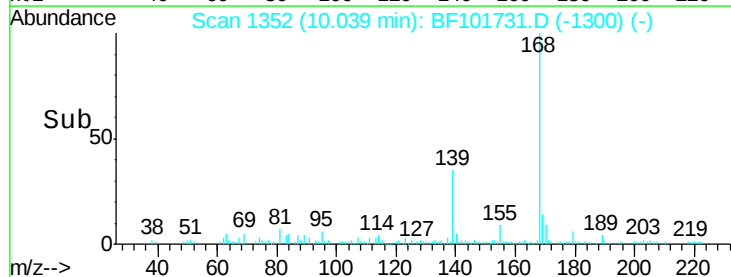
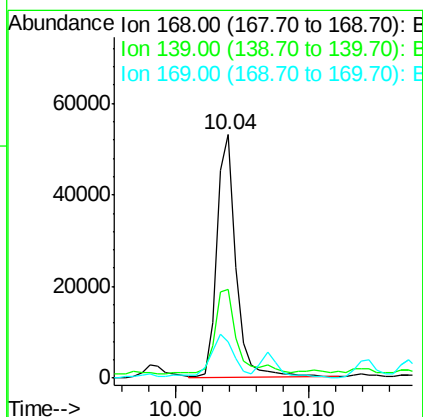
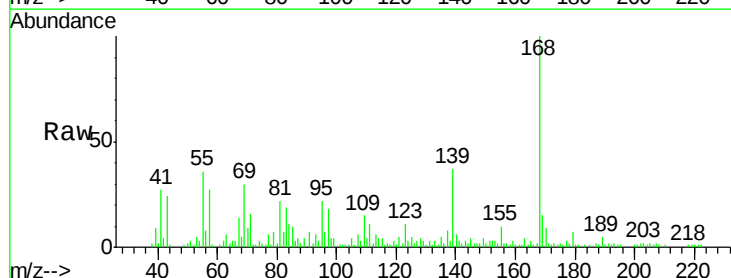
RT: 10.04 min Scan# 1352

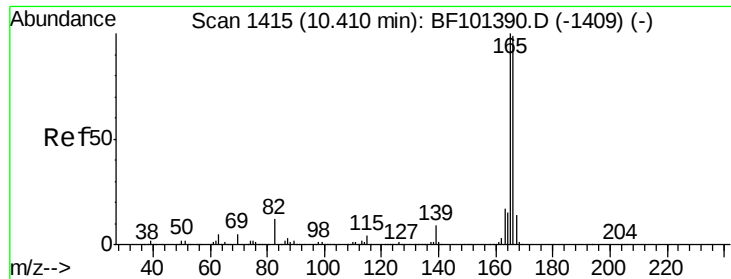
Delta R.T. 0.01 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Tgt Ion:	168	Resp:	53507
Ion Ratio	Lower	Upper	
168	100		
139	36.6	30.1	45.1
169	14.7	10.9	16.3





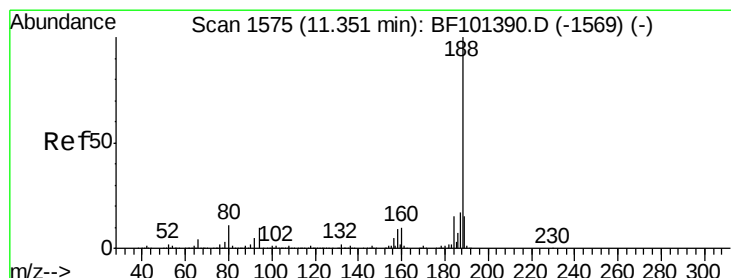
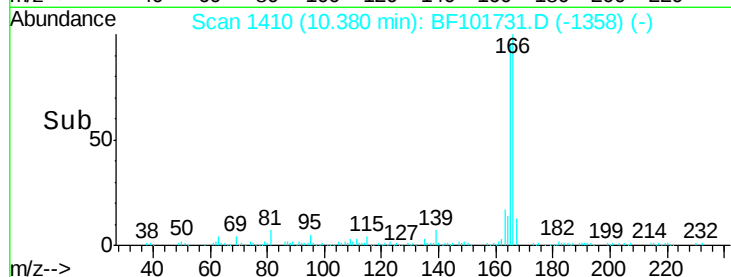
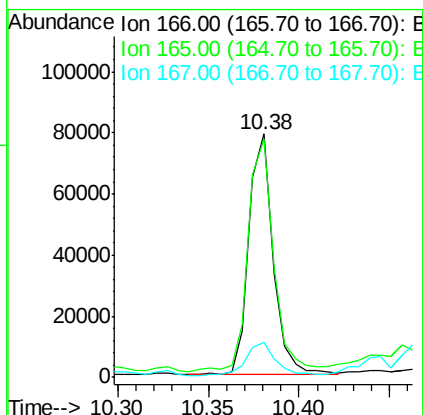
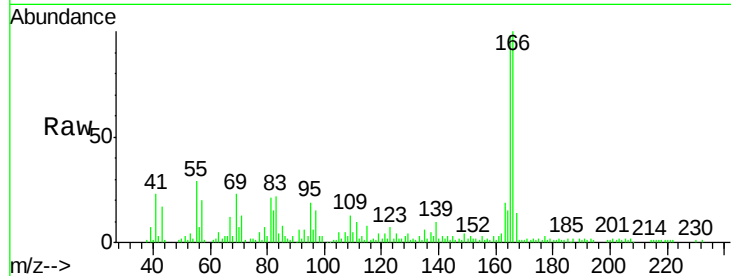
#57
Fluorene
 Concen: 5.657 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: BF101731.D
 Acq: 26 Dec 2017 23:20

Instrument :
 BNA_F
 ClientSampleId :
 DB-EW-3-4-10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.8	119.8
167	14.5	10.6	16.0

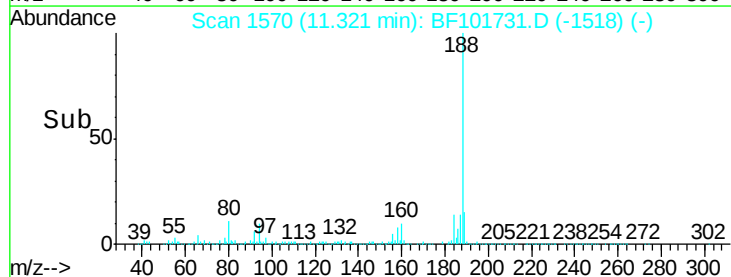
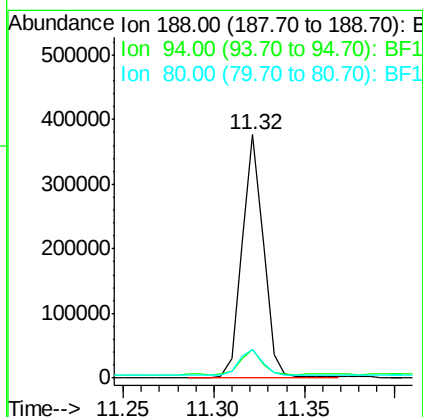
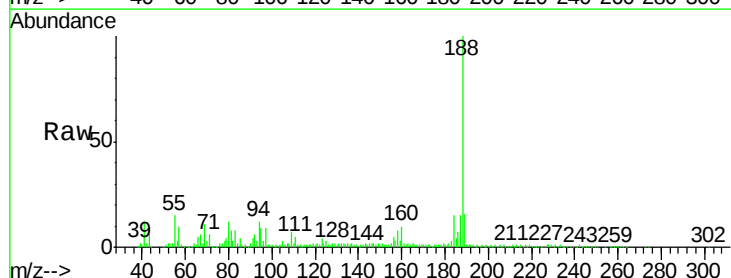
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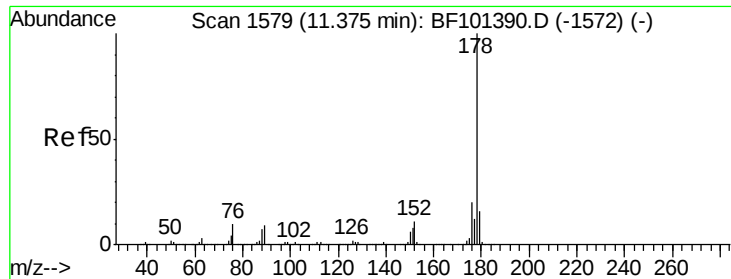
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF101731.D
 Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.0	9.2	13.8





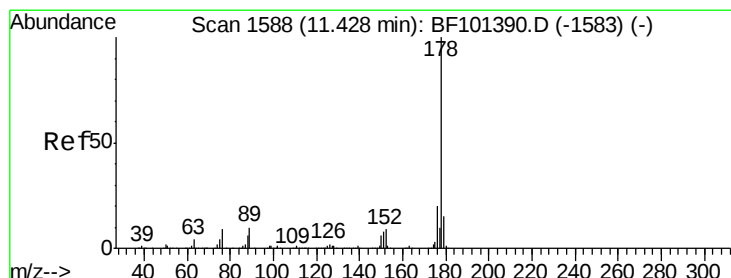
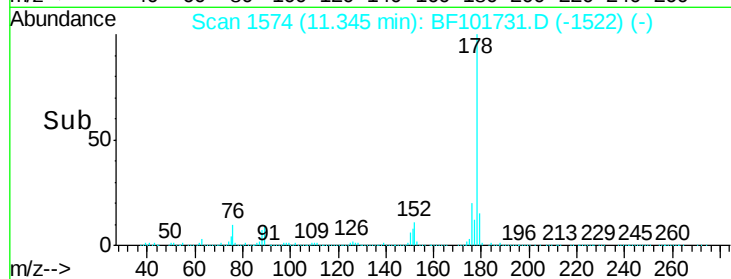
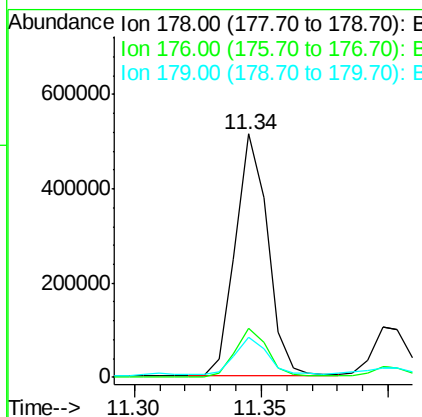
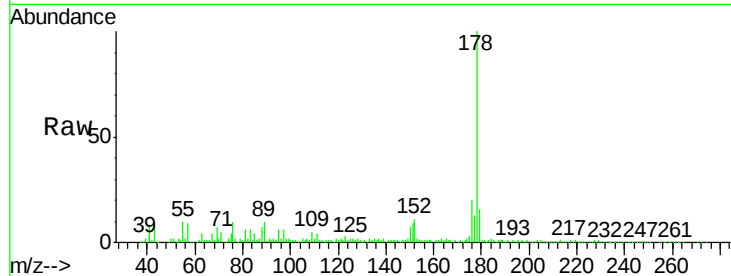
#70
Phenanthrene
Concen: 26.984 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-4-10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	16.5	13.0	19.6

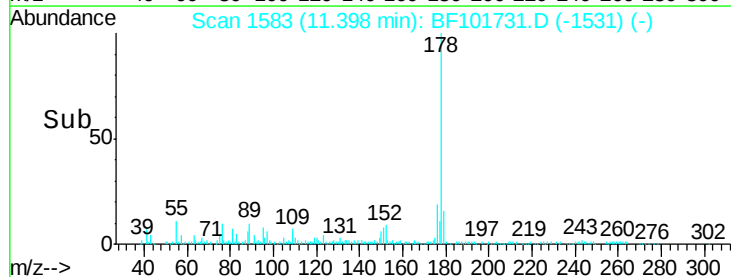
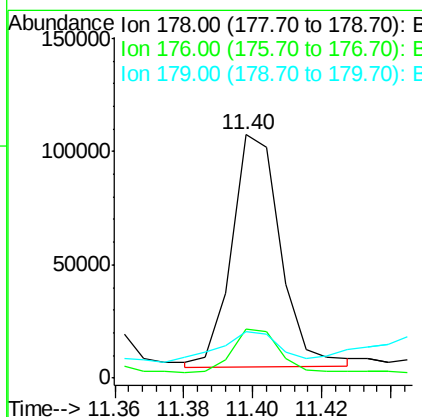
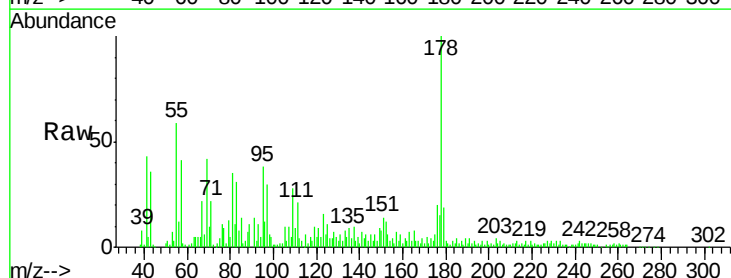
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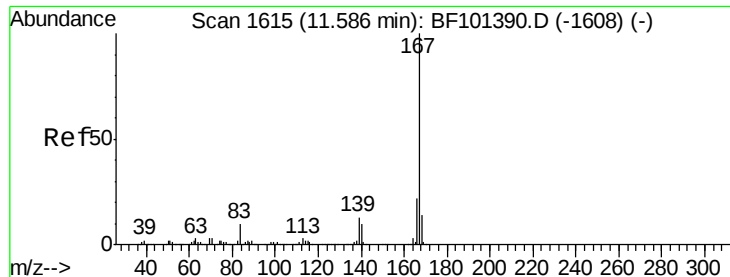
Sohil
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#71
Anthracene
Concen: 5.822 ng m
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	19.4	12.6	19.0#





#72

Carbazole

Concen: 2.620 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Instrument :

BNA_F

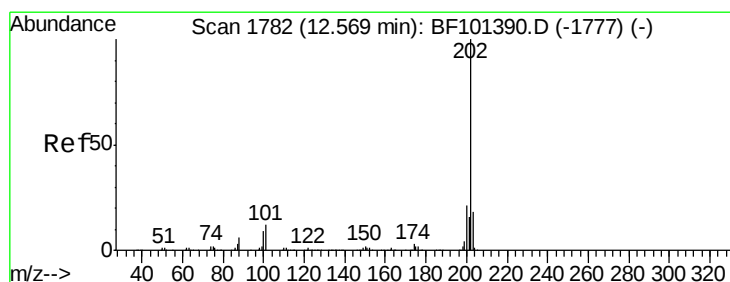
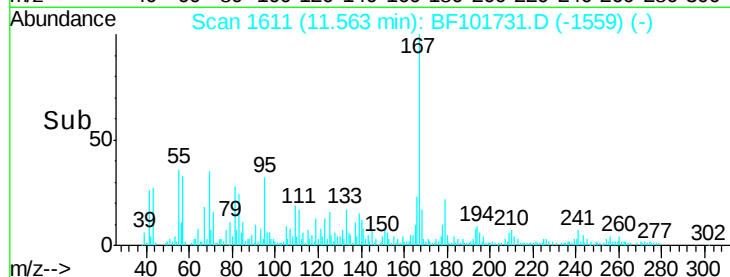
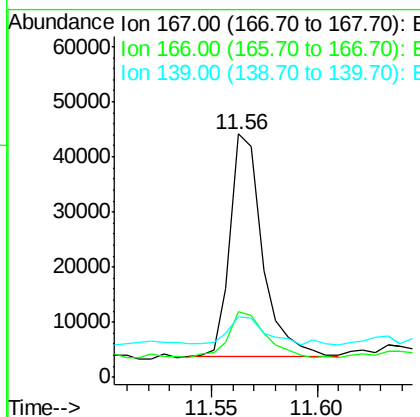
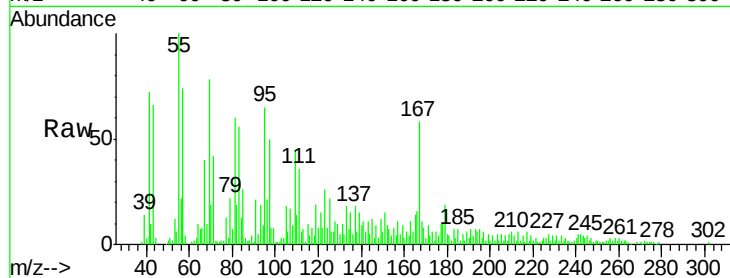
ClientSampleId :

DB-EW-3-4-10

Tgt Ion:	167	Resp:	42652
Ion Ratio	Lower	Upper	
167	100		
166	27.2	17.6	26.4#
139	25.1	10.9	16.3#

Manual Integrations
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#74

Fluoranthene

Concen: 23.999 ng

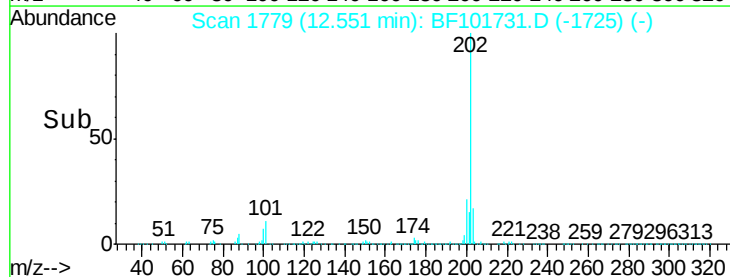
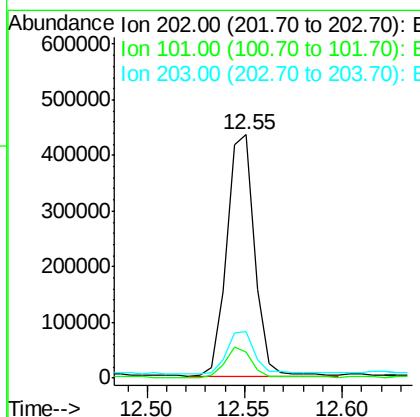
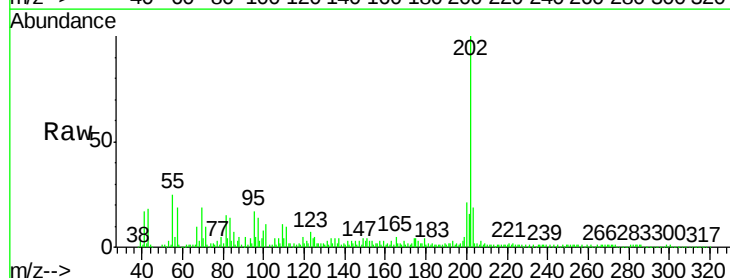
RT: 12.55 min Scan# 1779

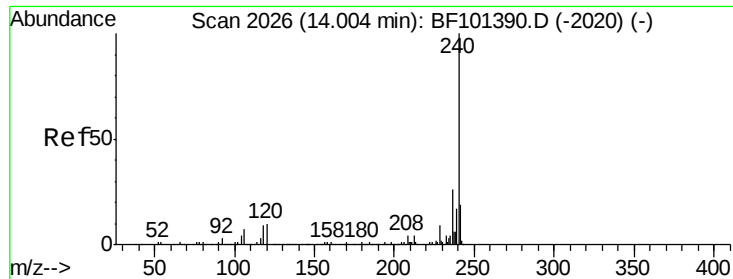
Delta R.T. 0.02 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Tgt Ion:	202	Resp:	428843
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	34.1
203	18.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Instrument :

BNA_F

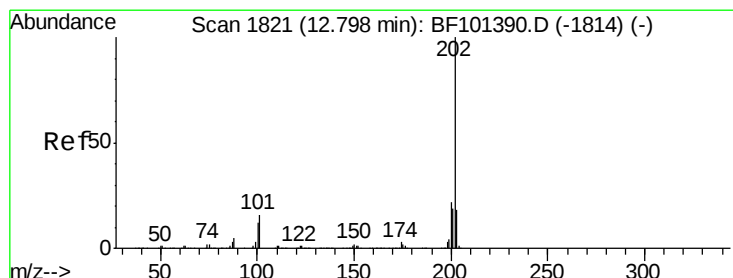
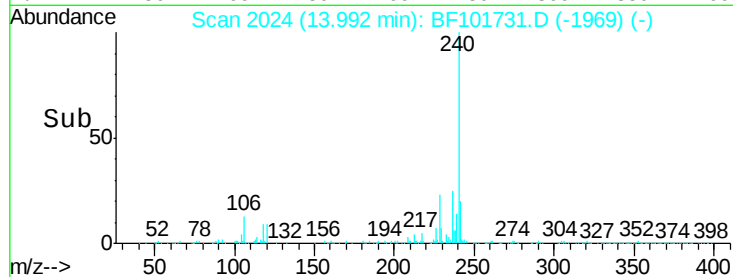
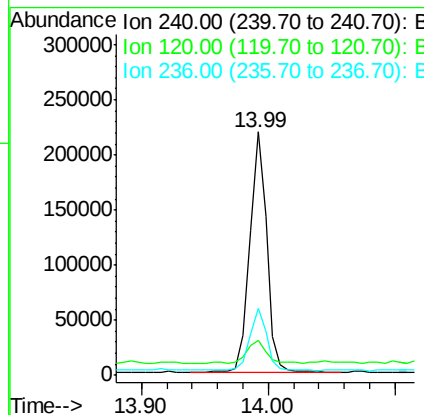
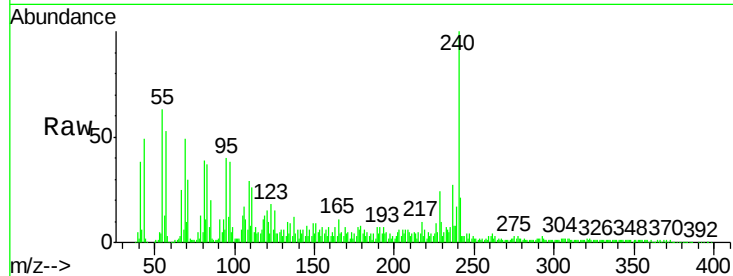
ClientSampleId :

DB-EW-3-4-10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	201888		
120	14.5	9.5	14.3#	
236	27.5	20.7	31.1	

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#77

Pyrene

Concen: 25.611 ng

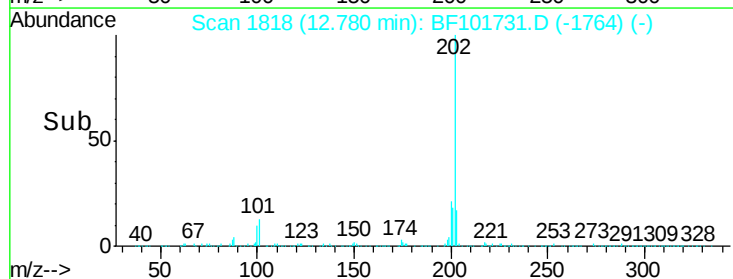
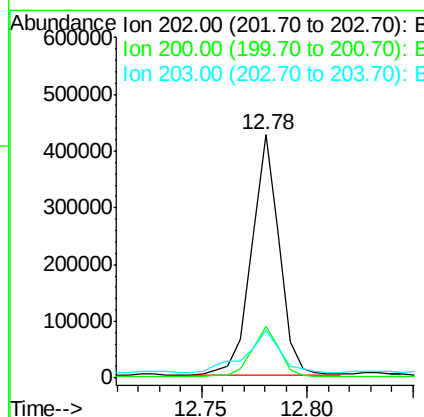
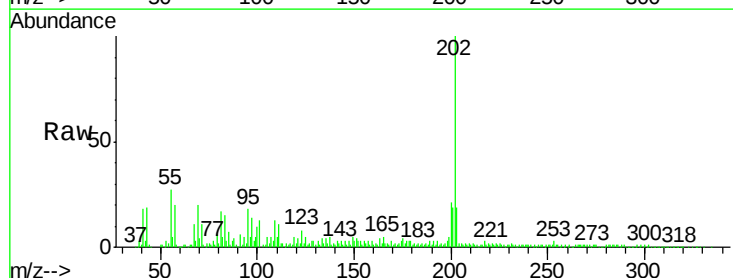
RT: 12.78 min Scan# 1818

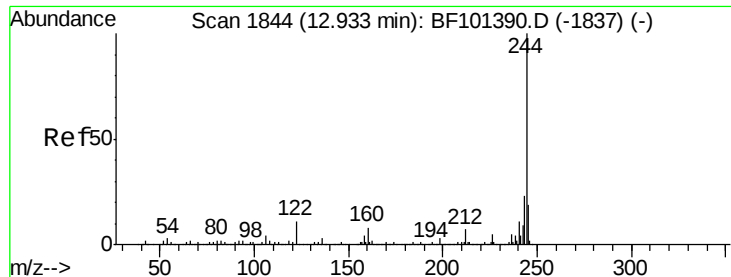
Delta R.T. 0.02 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	388050		
200	21.2	17.4	26.2	
203	19.4	14.3	21.5	





#78

Terphenyl-d14

Concen: 71.599 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Instrument :

BNA_F

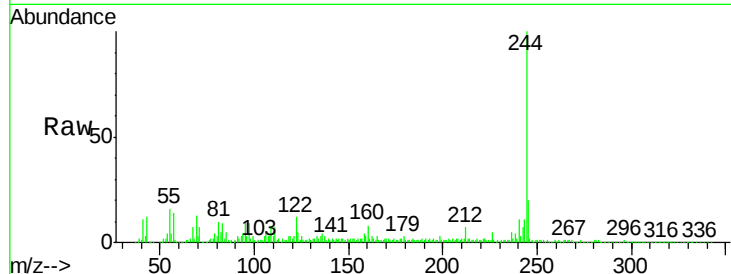
ClientSampleId :

DB-EW-3-4-10

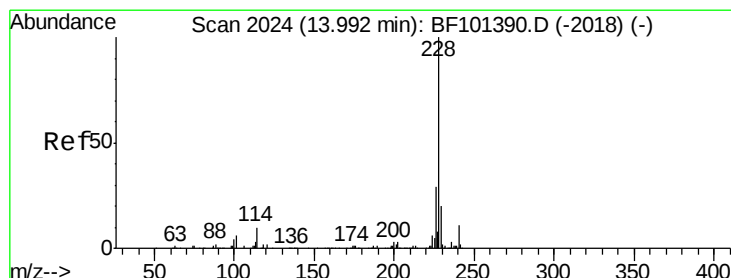
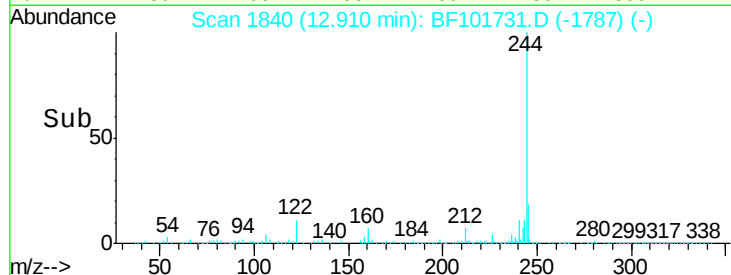
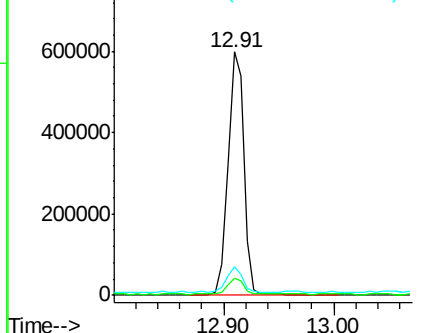
Tgt Ion:	244	Resp:	599602
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	11.7	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 12.688 ng

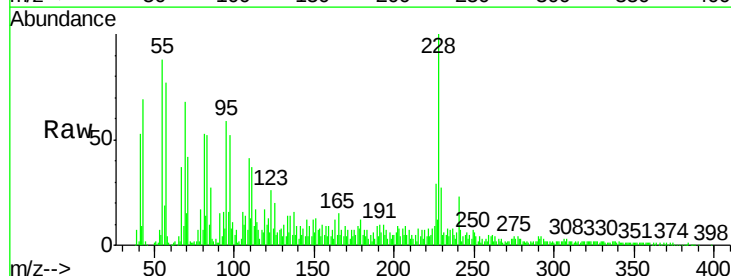
RT: 13.98 min Scan# 2022

Delta R.T. 0.02 min

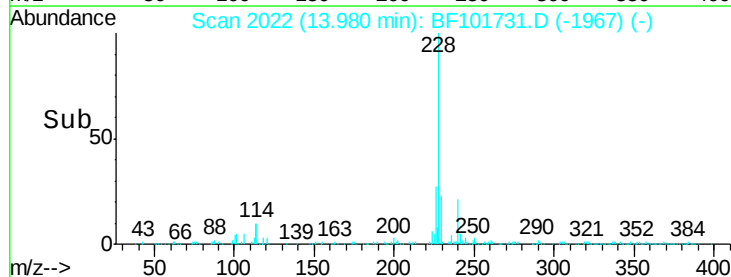
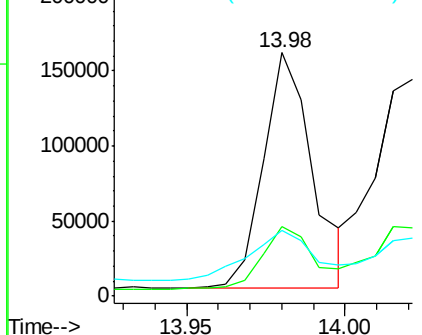
Lab File: BF101731.D

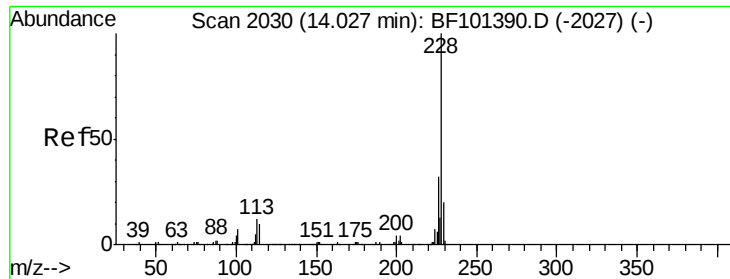
Acq: 26 Dec 2017 23:20

Tgt Ion:	228	Resp:	169145
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.6	33.8
229	27.1	15.8	23.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





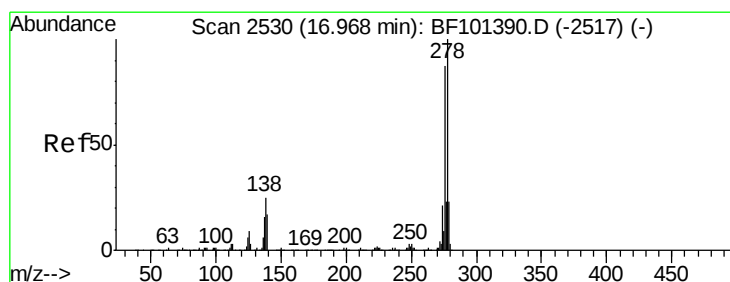
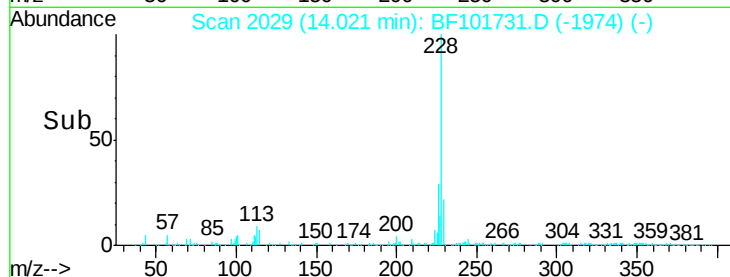
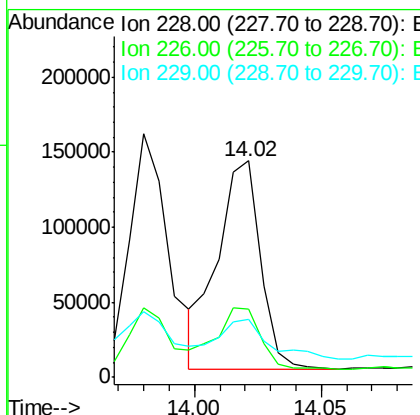
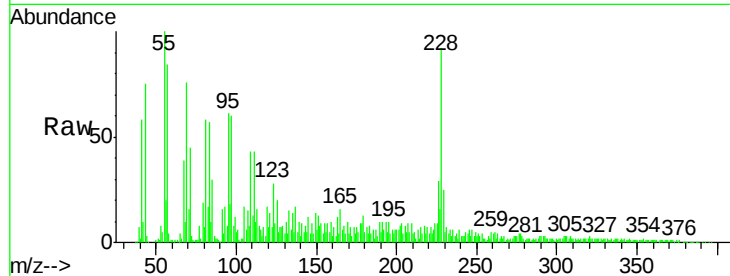
#82
Chrysene
Concen: 13.059 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.02 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-4-10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	26.9	16.2	24.4

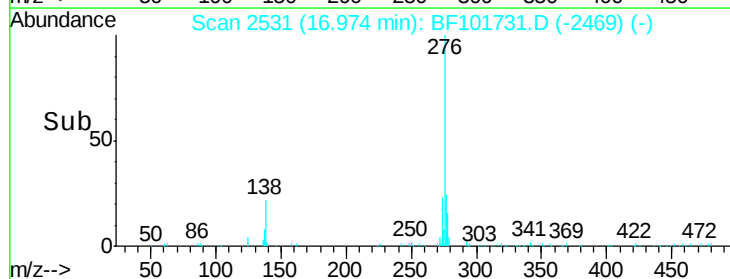
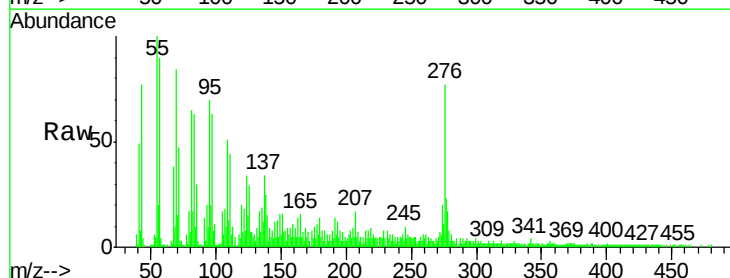
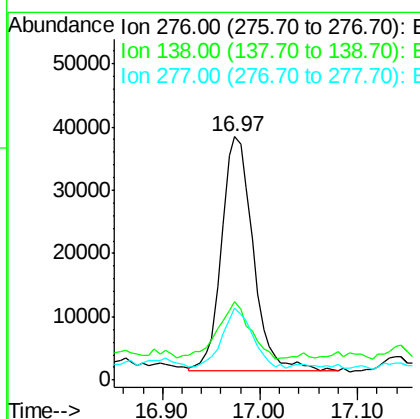
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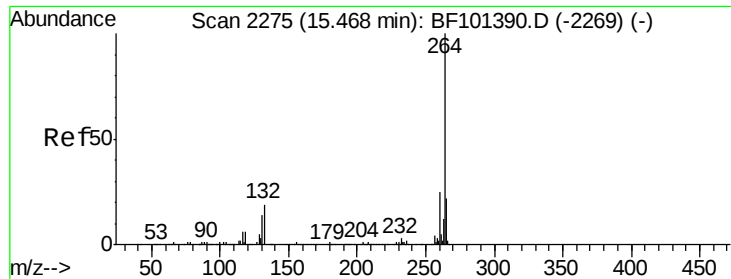
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.470 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.06 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6
277	24.0	20.1	30.1





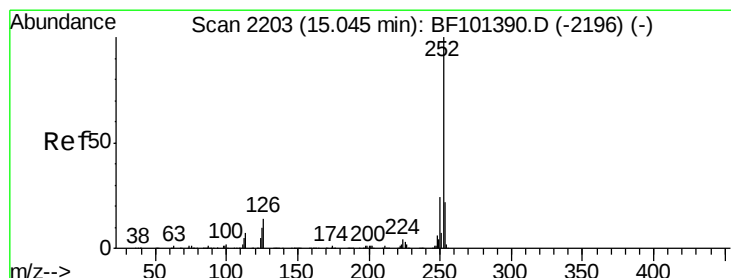
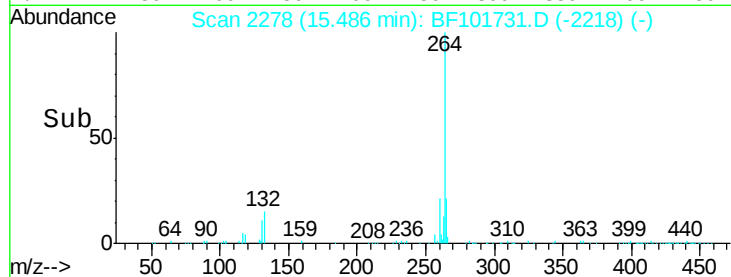
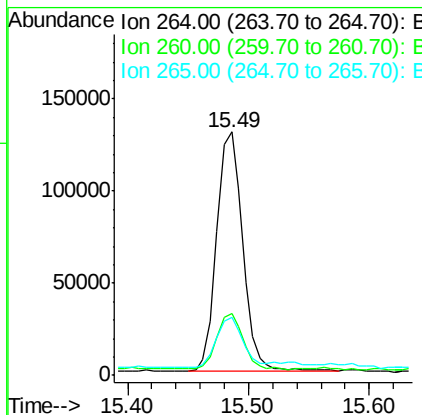
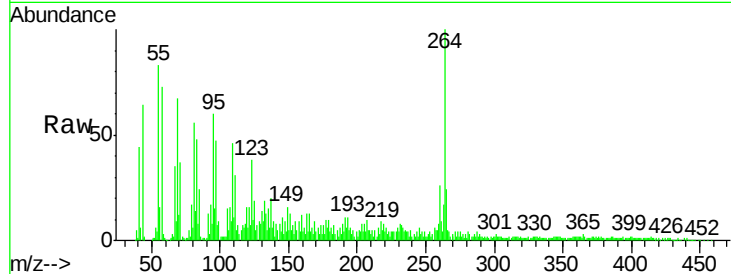
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.05 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-4-10

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	193672		
260	25.6	19.2	28.8	
265	23.7	17.5	26.3	

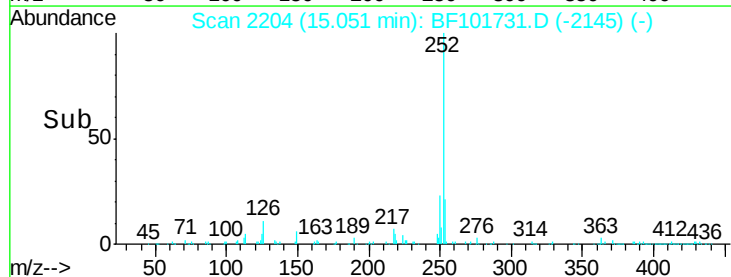
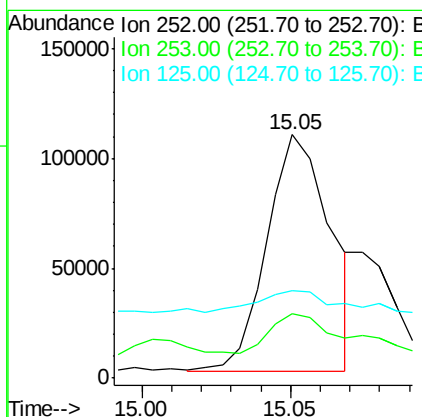
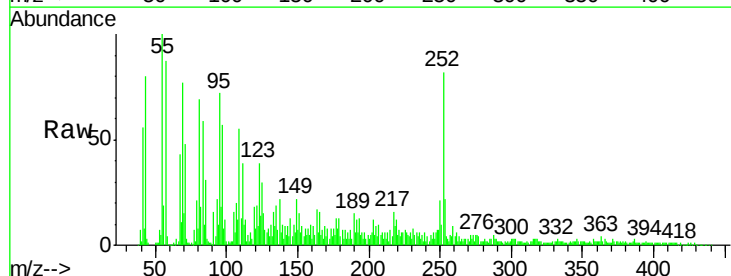
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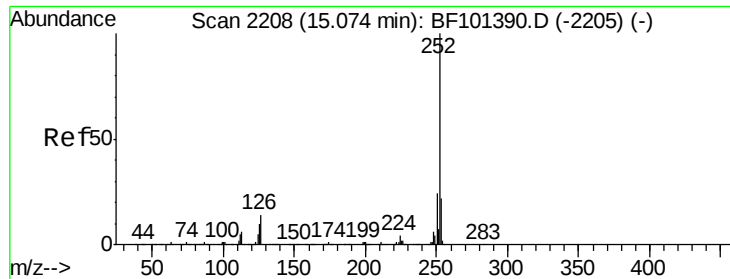
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#87
Benzo(b)fluoranthene
Concen: 13.714 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.05 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	161885		
253	26.3	17.0	25.6#	
125	35.9	9.0	13.6#	





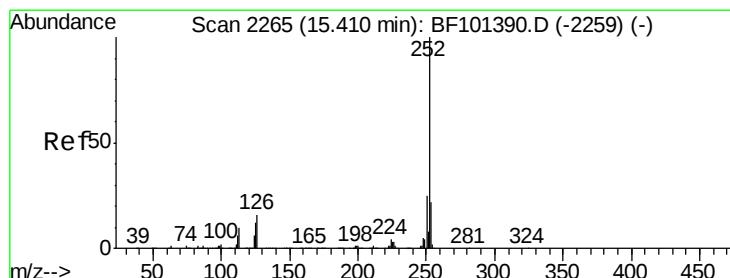
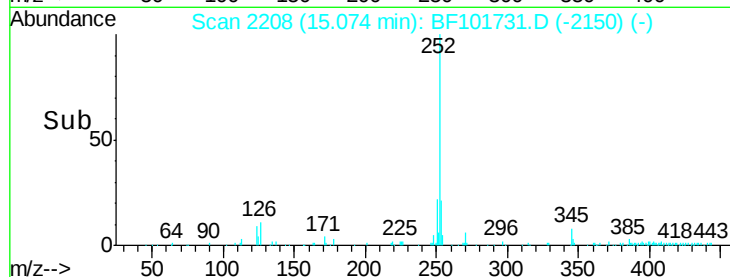
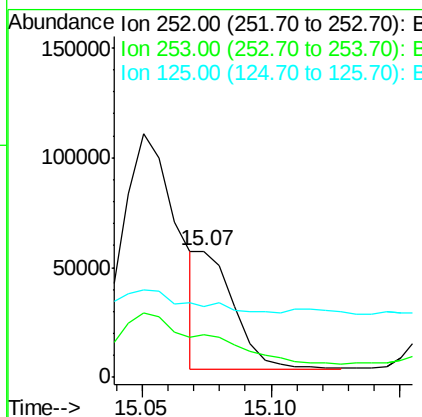
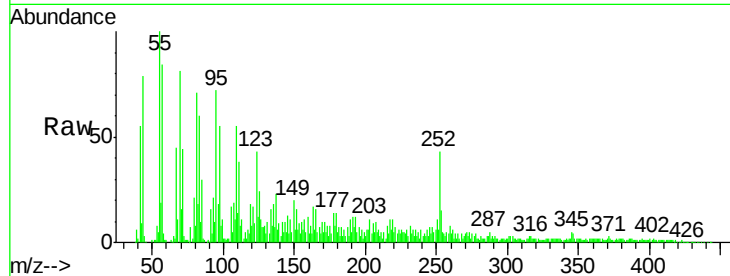
#88
Benzo(k)fluoranthene
Concen: 4.713 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.04 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Instrument :
BNA_F
ClientSampled :
DB-EW-3-4-10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.1	17.9	26.9#
125	56.1	10.2	15.2#

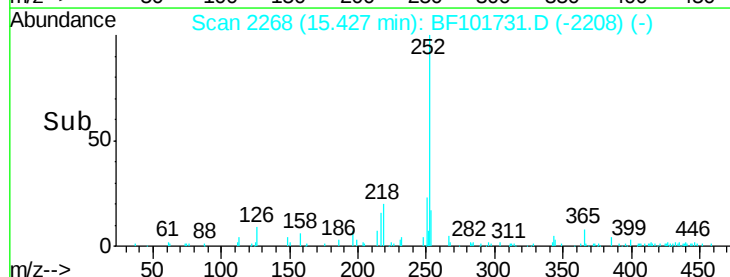
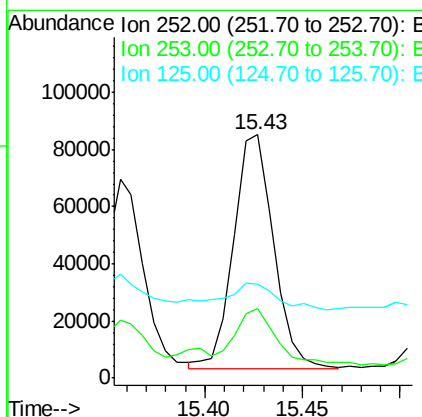
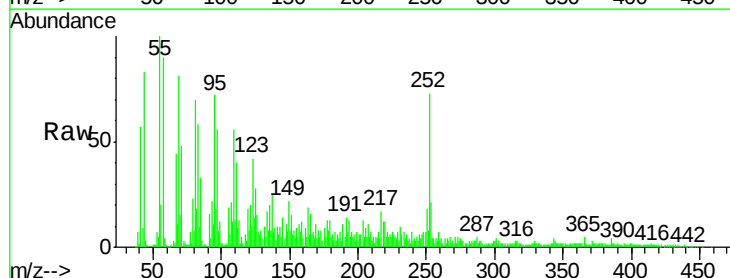
Manual Integrations
APPROVED

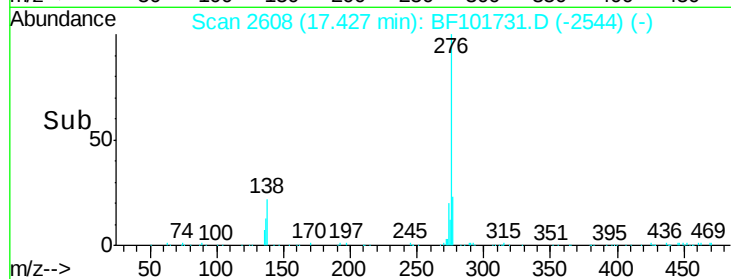
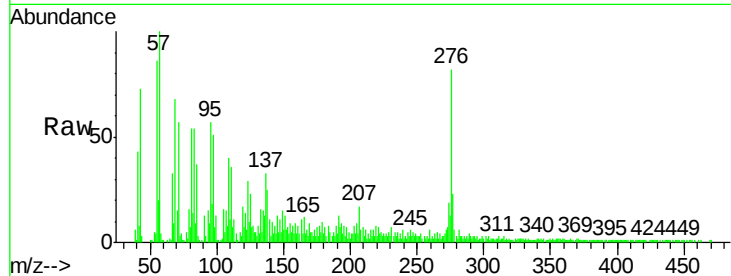
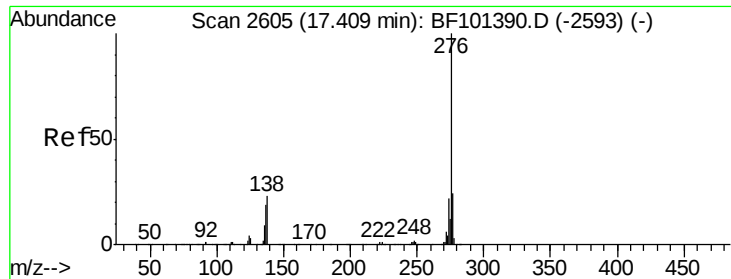
Sohil
12/27/2017 4:15:08 PM



#89
Benzo(a)pyrene
Concen: 10.740 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.05 min
Lab File: BF101731.D
Acq: 26 Dec 2017 23:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.1	25.7#
125	38.6	9.8	14.6#





#91

Benzo(g,h,i)perylene

Concen: 8.939 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.08 min

Lab File: BF101731.D

Acq: 26 Dec 2017 23:20

Instrument :

BNA_F

ClientSampleId :

DB-EW-3-4-10

Tgt Ion: 276 Resp: 82706

Ion Ratio Lower Upper

276 100

277 27.6 17.9 26.9#

138 30.9 21.8 32.8

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