

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101520.D
 Acq On : 19 Dec 2017 14:17
 Operator : SJ/JU
 Sample : I6877-03RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)RE

Manual Integrations
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Quant Time: Dec 19 15:10:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	151076	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	591361	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	250330	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	397710	20.00	ng	0.00
75) Chrysene-d12	13.99	240	270253	20.00	ng	0.00
86) Perylene-d12	15.47	264	347607	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	166595	16.43	ng	0.01
7) Phenol-d6	6.45	99	575280	45.58	ng	0.00
23) Nitrobenzene-d5	7.37	82	421138	39.64	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	1532	0.64	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	772530	47.87	ng	0.00
78) Terphenyl-d14	12.92	244	502361	44.81	ng	0.00
Target Compounds						
10) Phenol	6.46	94	33094	2.300	ng	76
31) Naphthalene	8.11	128	109382	3.674	ng	98
37) 2-Methylnaphthalene	8.80	142	59575	3.071	ng	100
49) Dimethylphthalate	9.56	163	77502	3.849	ng	99
51) Acenaphthene	9.88	154	83542	5.183	ng	97
54) Dibenzofuran	10.05	168	76915	3.755	ng	# 94
57) Fluorene	10.40	166	80103	4.622	ng	99
70) Phenanthrene	11.36	178	848353	38.357	ng	99
71) Anthracene	11.42	178	272893	12.079	ng	100
72) Carbazole	11.57	167	79577	3.762	ng	97
74) Fluoranthene	12.56	202	1164354	50.155	ng	97
77) Pyrene	12.79	202	1082953	53.394	ng	99
80) Benzo(a)anthracene	13.98	228	638111	35.758	ng	99
82) Chrysene	14.02	228	543382	32.250	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	28700	2.469	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.96	276	400803	26.713	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	810650m	38.261	ng	
88) Benzo(k)fluoranthene	15.06	252	213589m	10.368	ng	
89) Benzo(a)pyrene	15.41	252	579727	29.681	ng	96
90) Dibenzo(a,h)anthracene	16.94	278	109621m	6.537	ng	
91) Benzo(g,h,i)perylene	17.41	276	378394	22.787	ng	94

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

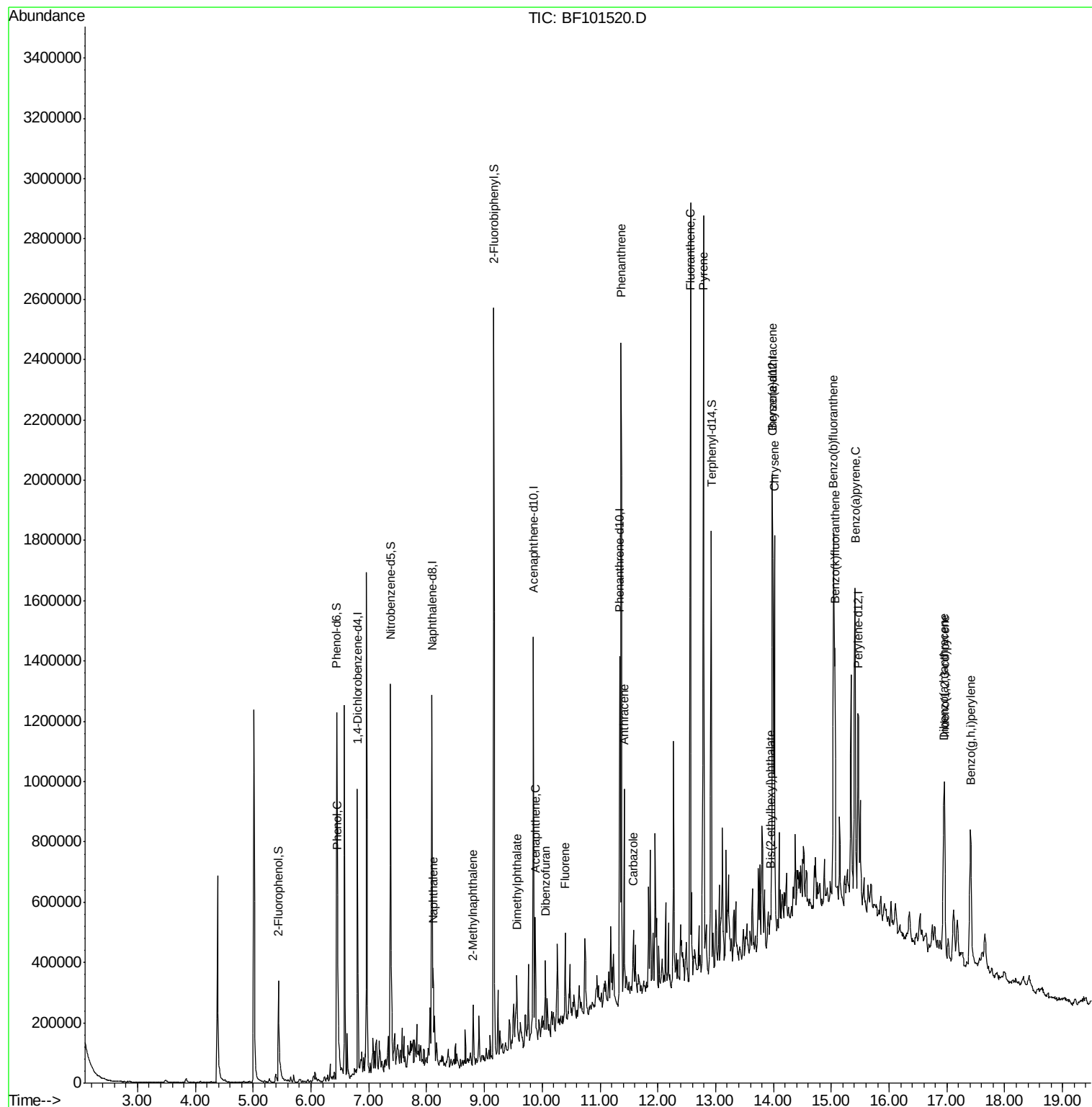
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121917\
Data File : BF101520.D
Acq On : 19 Dec 2017 14:17
Operator : SJ/JU
Sample : I6877-03RE 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

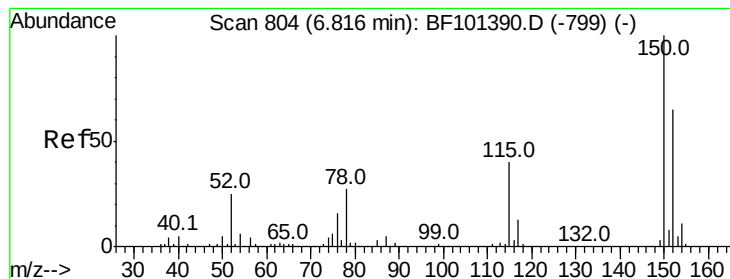
Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)RE

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Quant Time: Dec 19 15:10:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration





#1

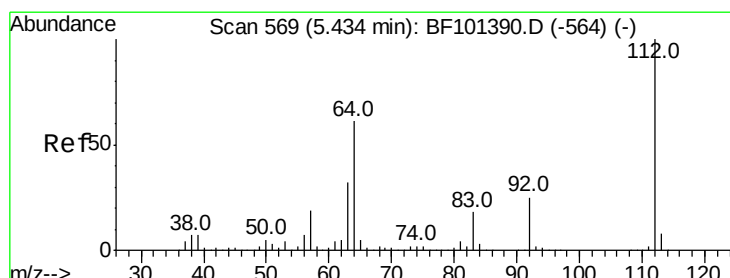
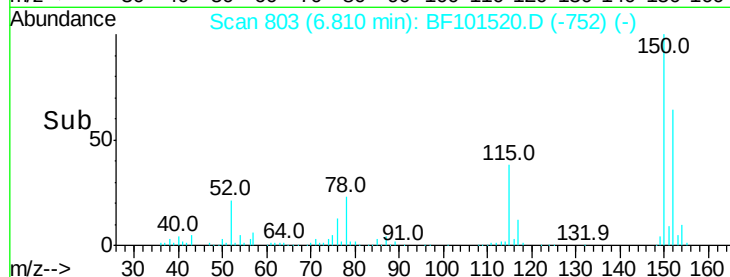
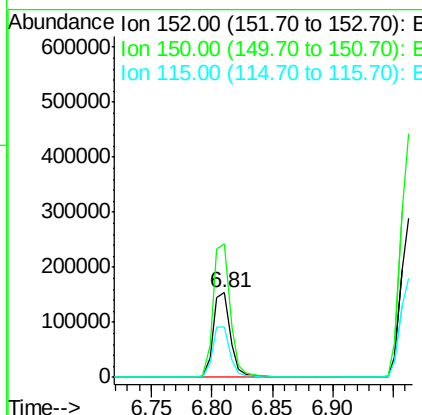
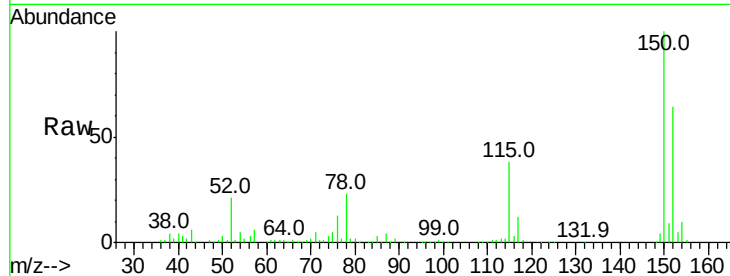
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	59.1	50.1	75.1

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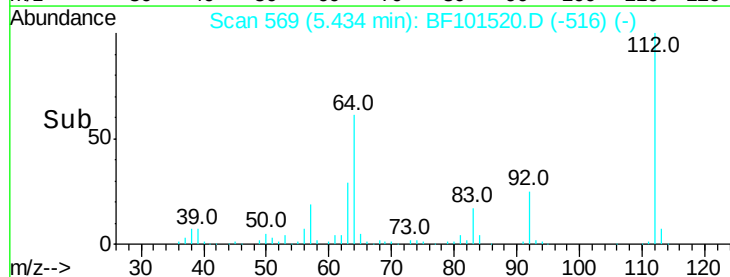
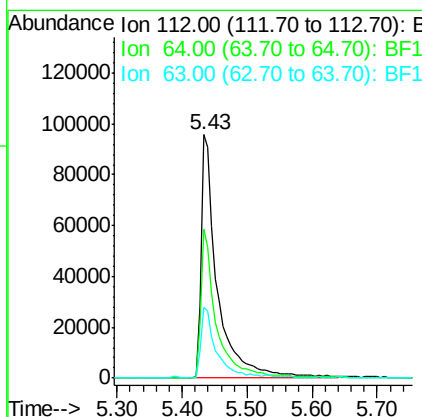
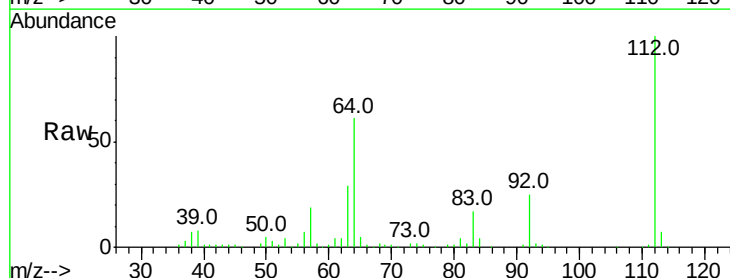
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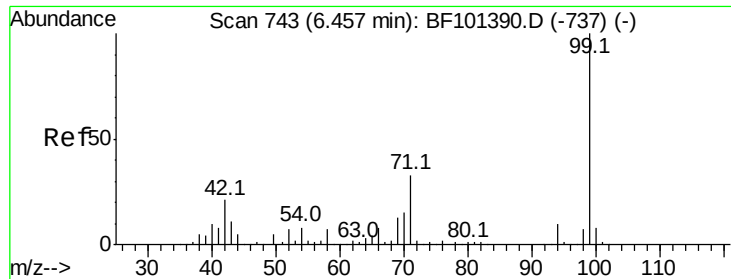


#5

2-Fluorophenol
Concen: 16.426 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	47.9	71.9
63	29.3	23.7	35.5





#7

Phenol-d6

Concen: 45.576 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Instrument :

BNA_F

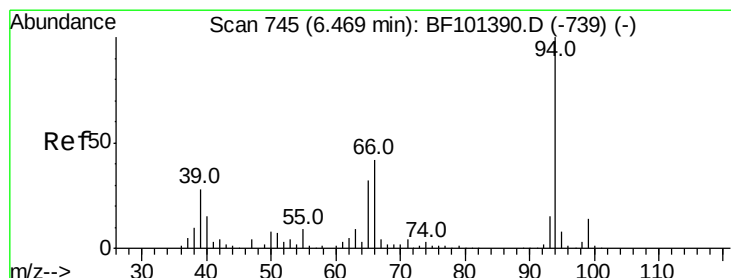
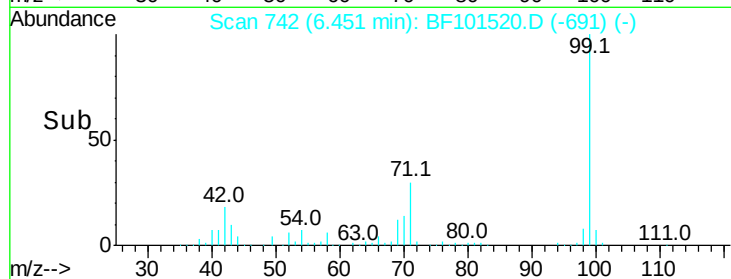
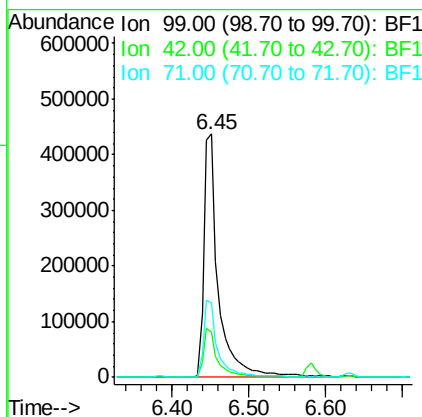
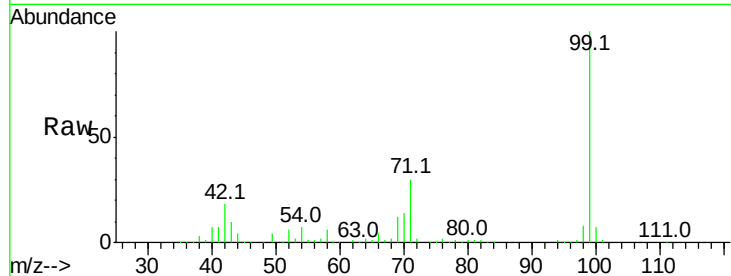
ClientSampled :

SB-7(0-2)RE

Tot Ion:	99	Resp:	575280
Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.5	21.7
71	30.4	25.4	38.0

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#10

Phenol

Concen: 2.300 ng

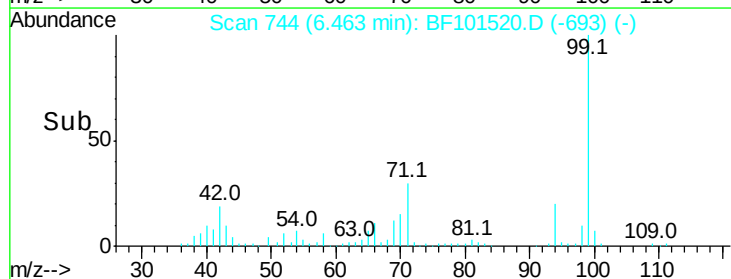
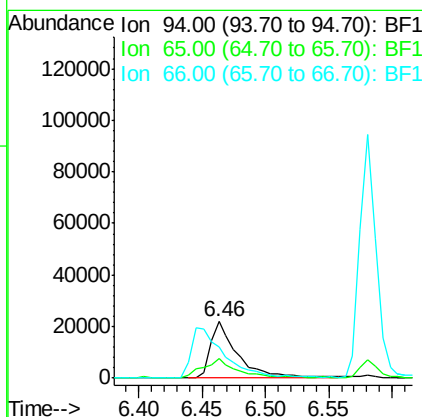
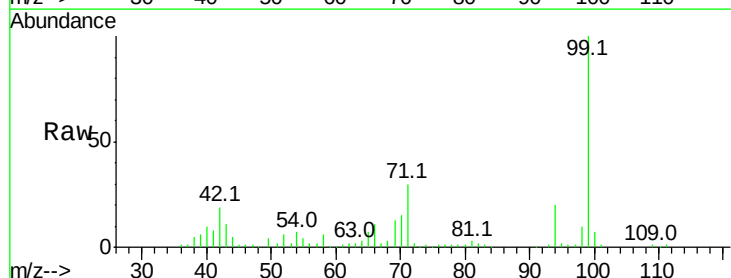
RT: 6.46 min Scan# 744

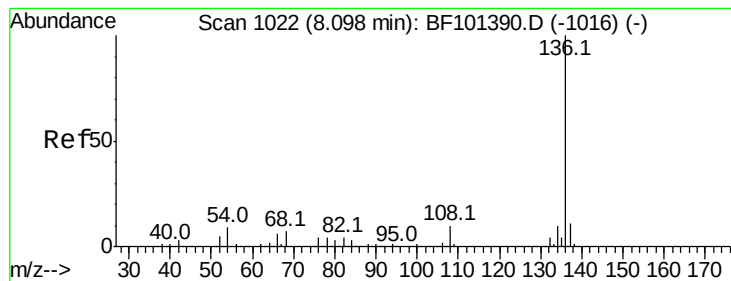
Delta R.T. 0.00 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Tgt Ion:	94	Resp:	33094
Ion	Ratio	Lower	Upper
94	100		
65	34.1	7.9	47.9
66	55.8	16.2	56.2





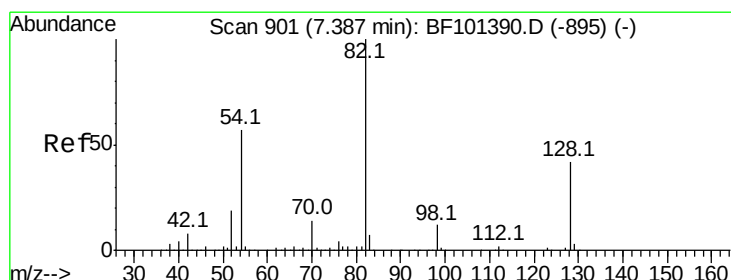
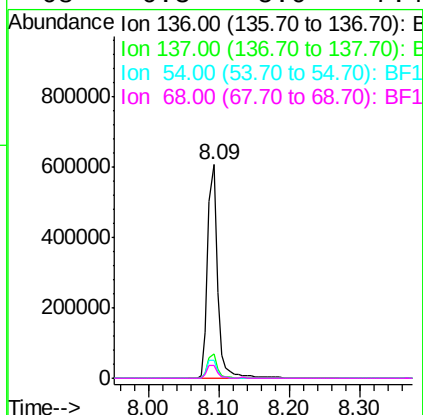
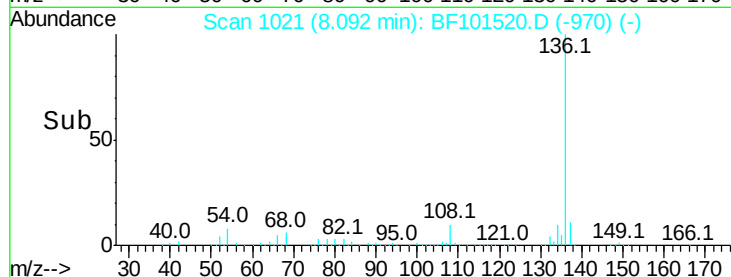
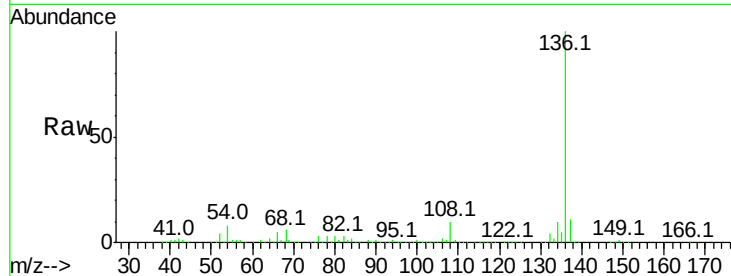
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)RE

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.5	6.6	9.8
68	6.3	5.0	7.4

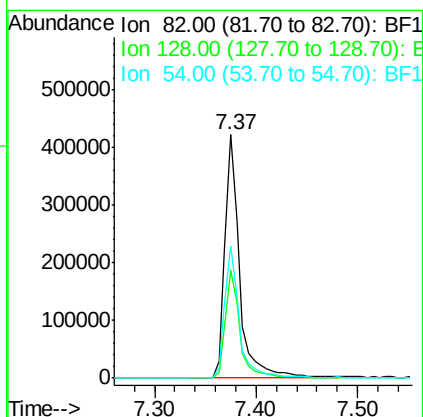
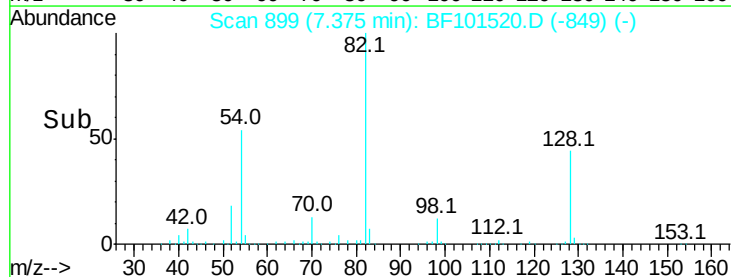
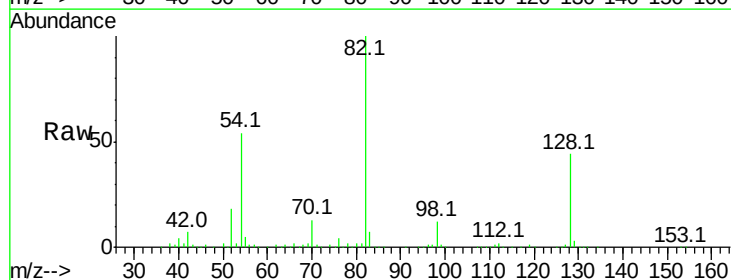
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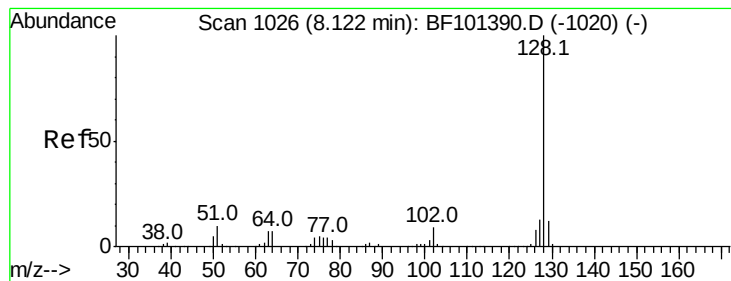
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#23
Nitrobenzene-d5
Concen: 39.642 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.2	36.1	54.1
54	54.1	41.4	62.2





#31

Naphthalene

Concen: 3.674 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Instrument :

BNA_F

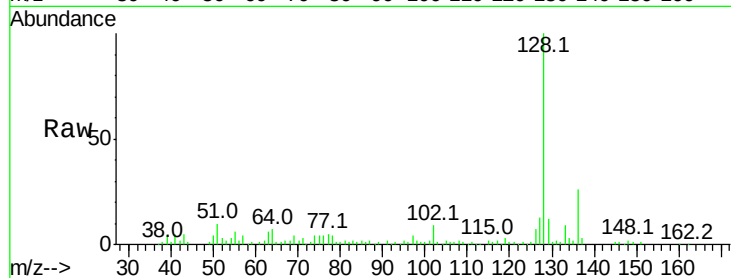
ClientSampleId :

SB-7(0-2)RE

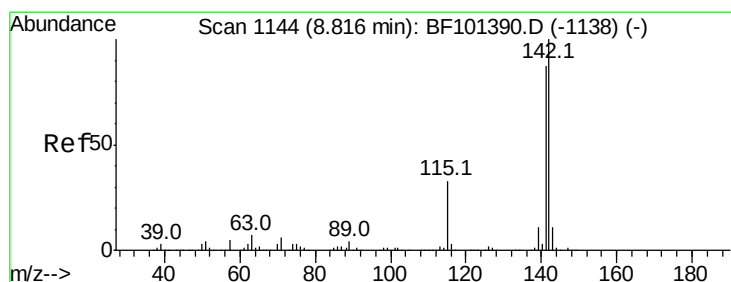
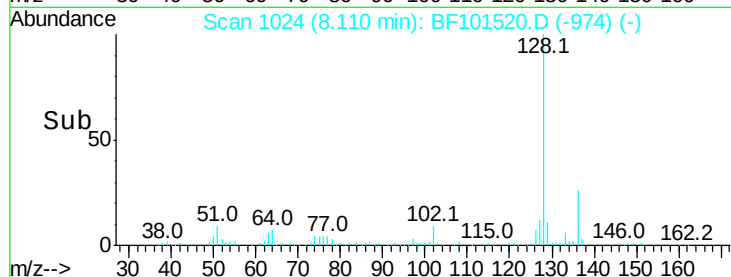
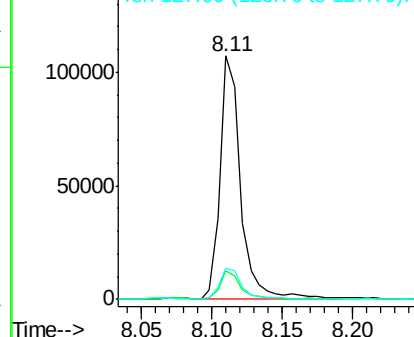
Tot Ion:	128	Resp:	109382
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.8	13.2
127	12.8	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.071 ng

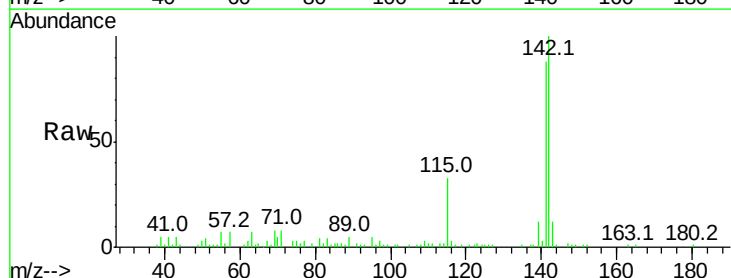
RT: 8.80 min Scan# 1142

Delta R.T. 0.00 min

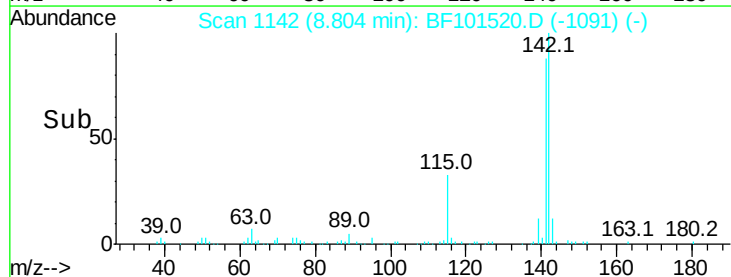
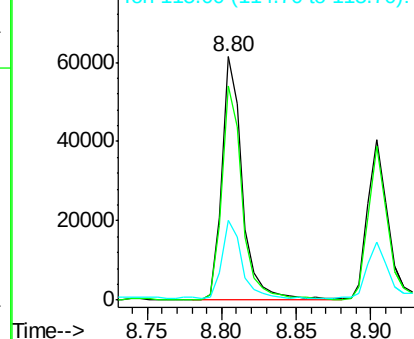
Lab File: BF101520.D

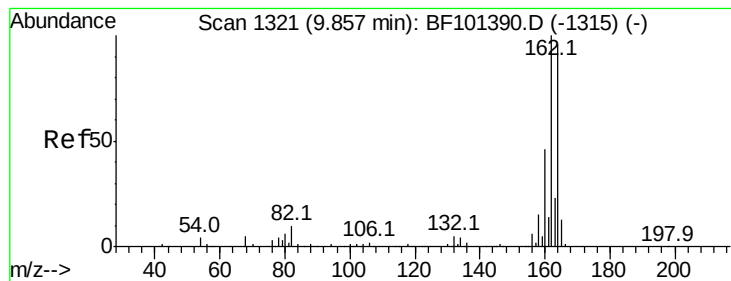
Acq: 19 Dec 2017 14:17

Tgt Ion:	142	Resp:	59575
Ion Ratio	Lower	Upper	
142	100		
141	88.2	70.8	106.2
115	32.6	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Instrument :

BNA_F

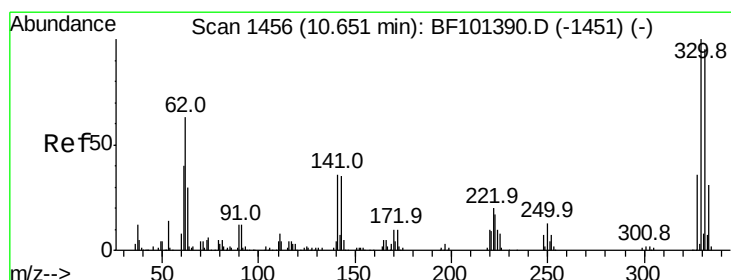
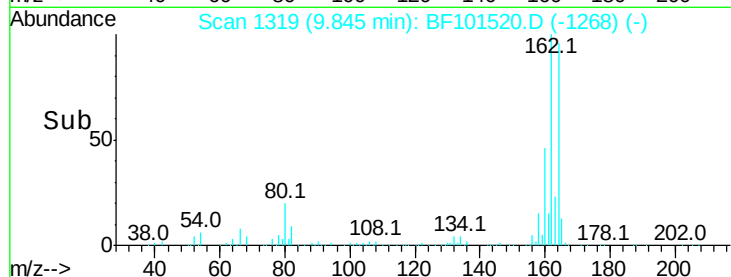
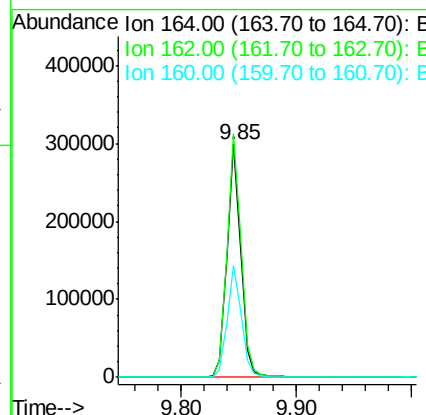
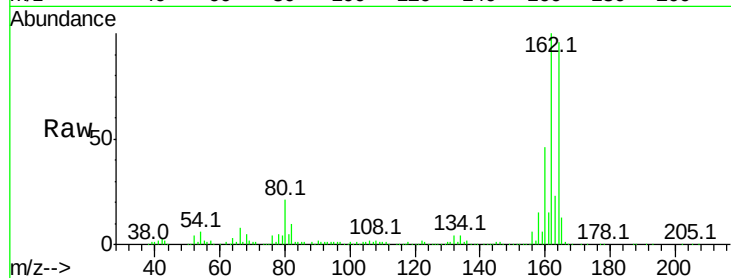
ClientSampleId :

SB-7(0-2)RE

Tot Ion:	164	Resp:	250330
Ion Ratio	Lower	Upper	
164	100		
162	104.5	86.1	129.1
160	47.9	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 0.635 ng

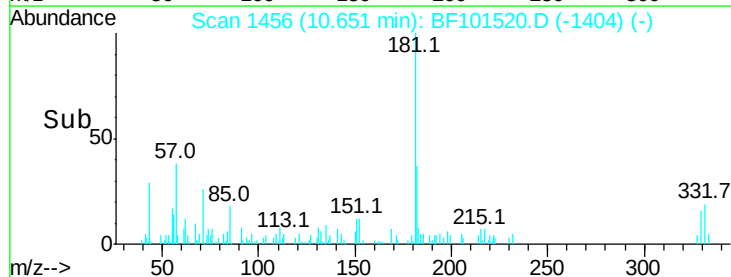
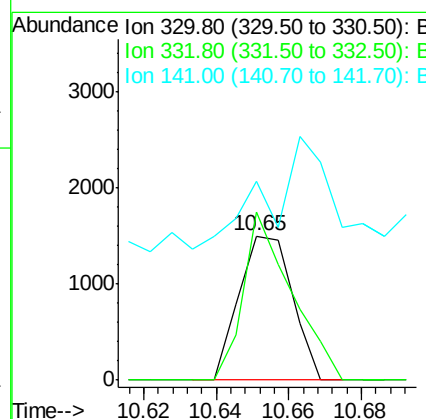
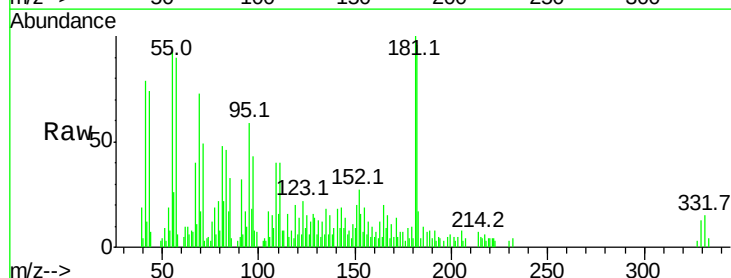
RT: 10.65 min Scan# 1456

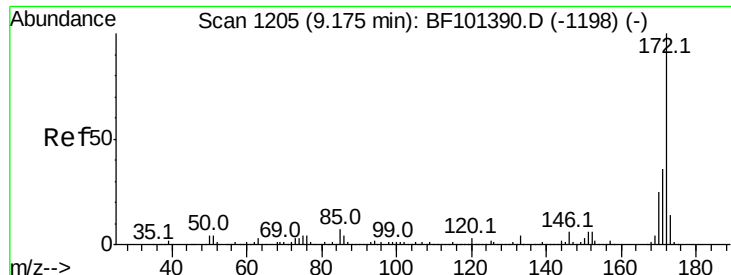
Delta R.T. 0.01 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Tgt Ion:	330	Resp:	1532
Ion Ratio	Lower	Upper	
330	100		
332	105.5	77.0	115.6
141	131.0	29.9	44.9#





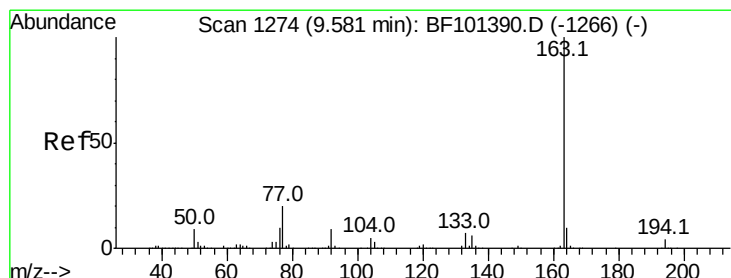
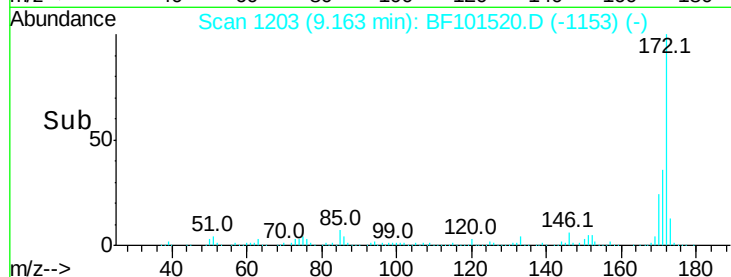
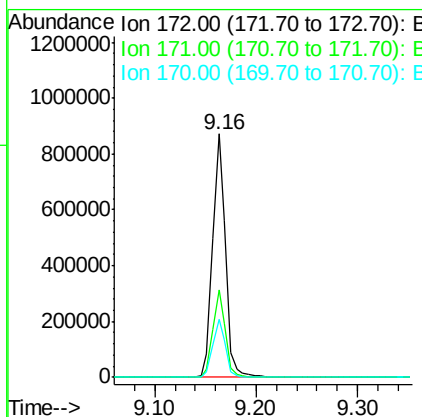
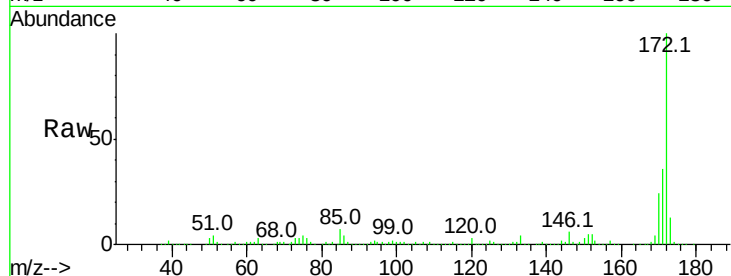
#44
2-Fluorobiphenyl
Concen: 47.872 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Instrument :
BNA_F
ClientSampled :
SB-7(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	772530		
171	36.0		29.7	44.5
170	24.0		19.6	29.4

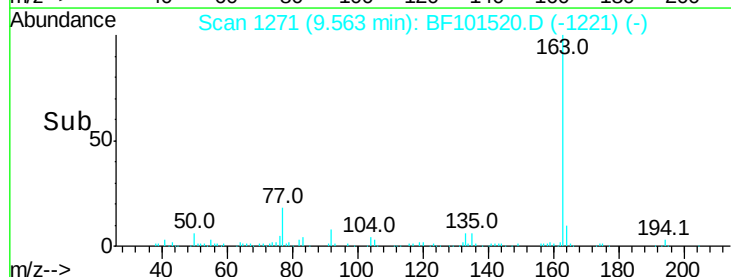
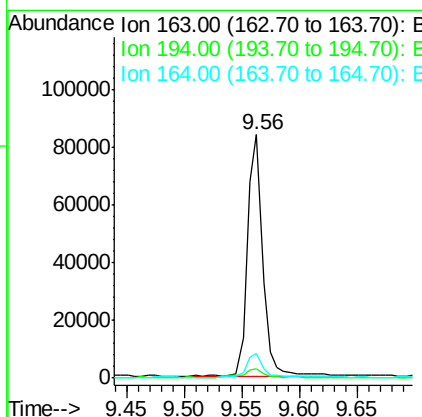
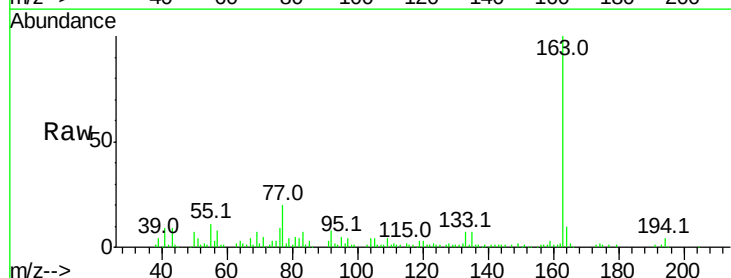
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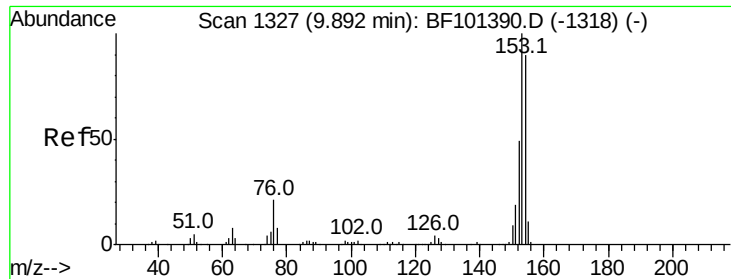
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#49
Dimethylphthalate
Concen: 3.849 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	77502		
194	4.0		2.7	4.1
164	9.9		8.2	12.2





#51

Acenaphthene

Concen: 5.183 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Instrument :

BNA_F

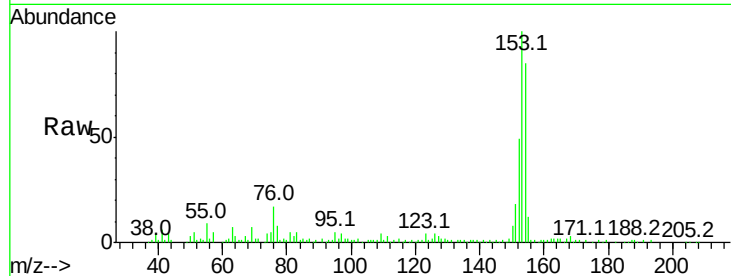
ClientSampleId :

SB-7(0-2)RE

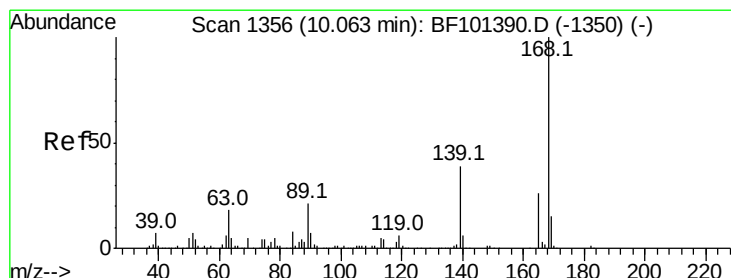
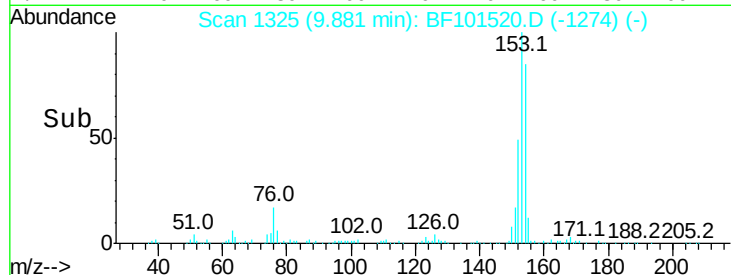
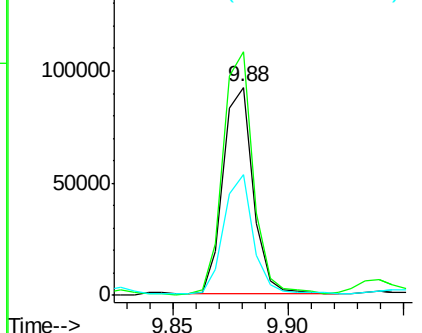
Tot Ion:	154	Resp:	83542
Ion Ratio	Lower	Upper	
154	100		
153	117.2	91.2	136.8
152	58.0	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.755 ng

RT: 10.05 min Scan# 1354

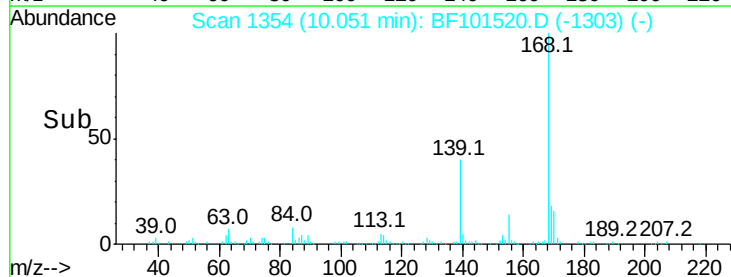
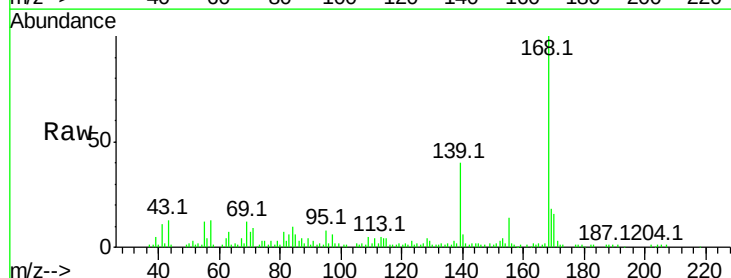
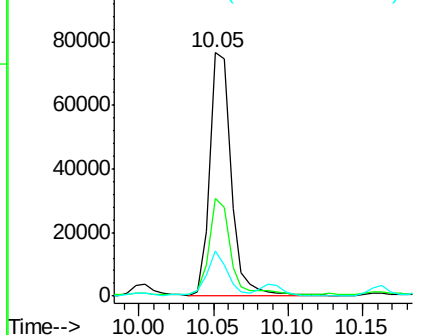
Delta R.T. 0.00 min

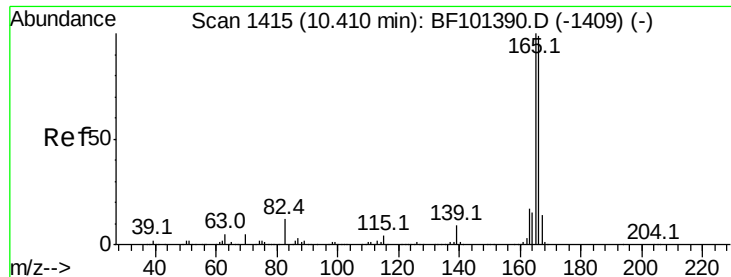
Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Tgt Ion:	168	Resp:	76915
Ion Ratio	Lower	Upper	
168	100		
139	40.2	30.1	45.1
169	18.4	10.9	16.3#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





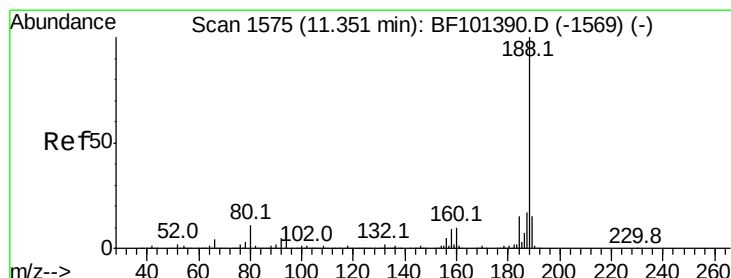
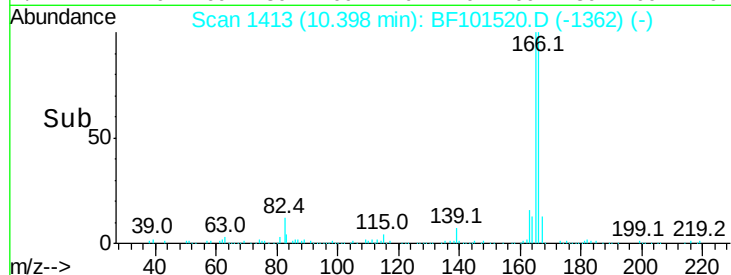
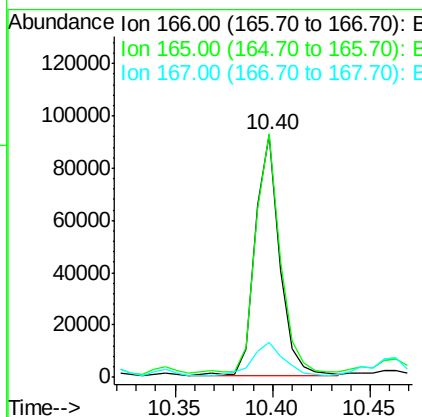
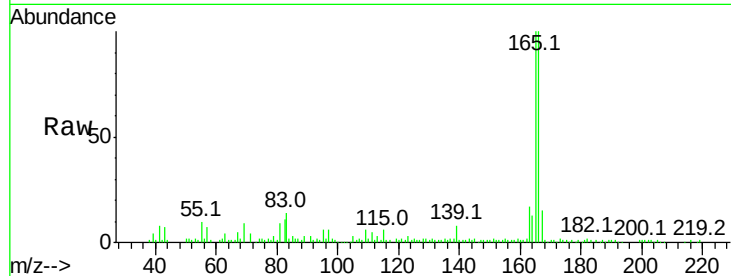
#57
 Fluorene
 Concen: 4.622 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: BF101520.D
 Acq: 19 Dec 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)RE

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.8
167	14.6	10.6	16.0

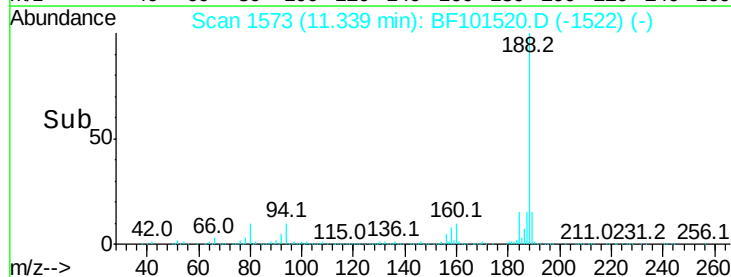
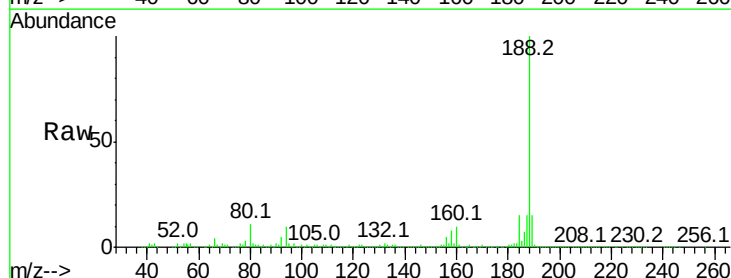
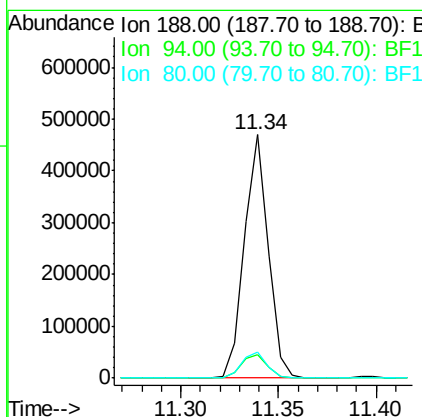
Manual Integrations
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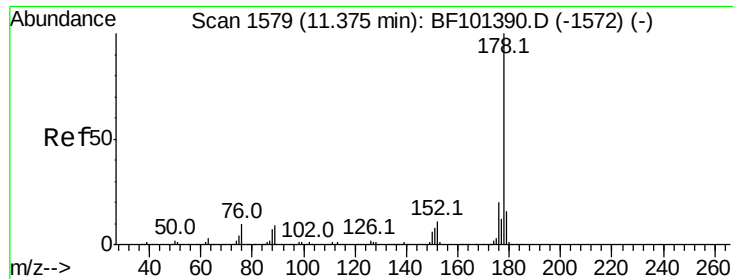
Sohil
 12/20/2017 3:47:45 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF101520.D
 Acq: 19 Dec 2017 14:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.7	9.2	13.8





#70

Phenanthrene

Concen: 38.357 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Instrument :

BNA_F

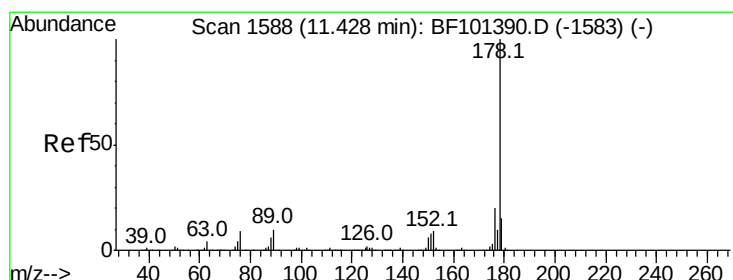
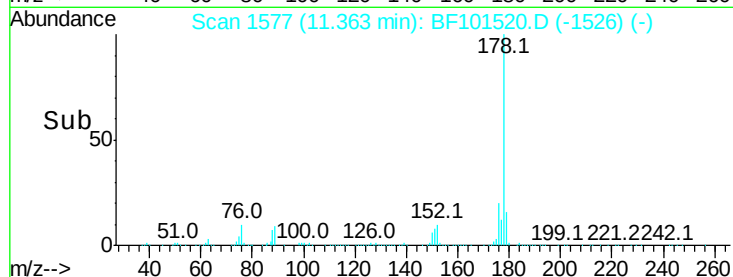
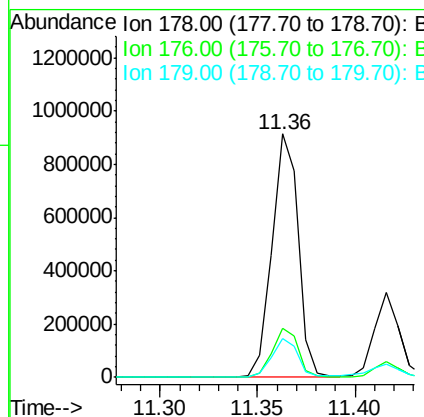
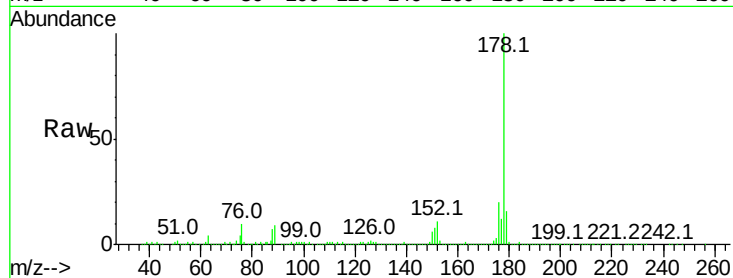
ClientSampleId :

SB-7(0-2)RE

Tot Ion:	178	Resp:	848353
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.8	23.8
179	15.9	13.0	19.6

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#71

Anthracene

Concen: 12.079 ng

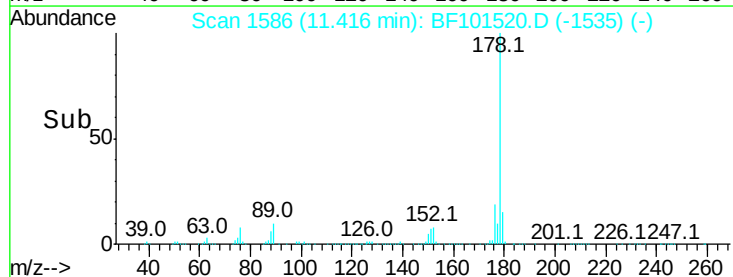
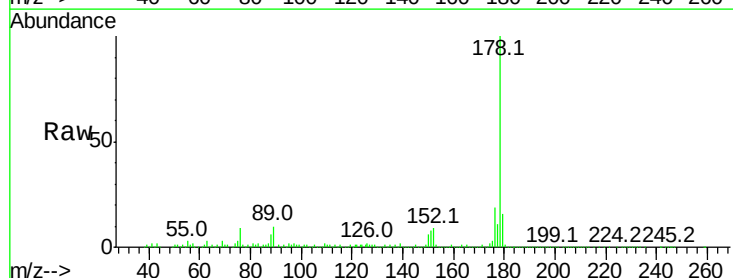
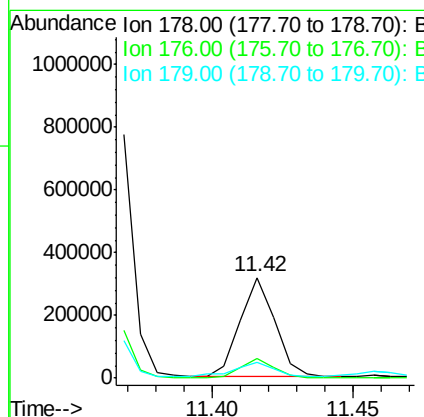
RT: 11.42 min Scan# 1586

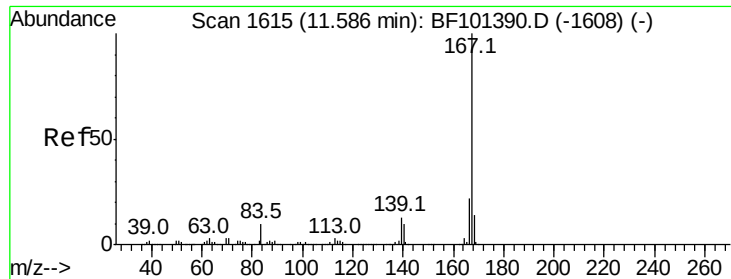
Delta R.T. 0.00 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Tgt Ion:	178	Resp:	272893
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.2
179	15.6	12.6	19.0





#72

Carbazole

Concen: 3.762 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.00 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Instrument :

BNA_F

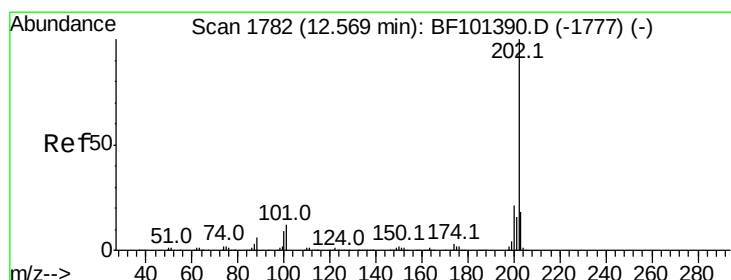
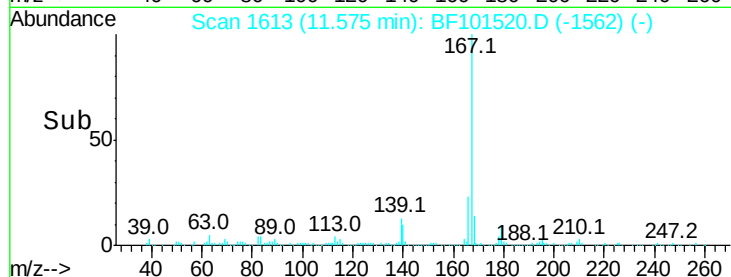
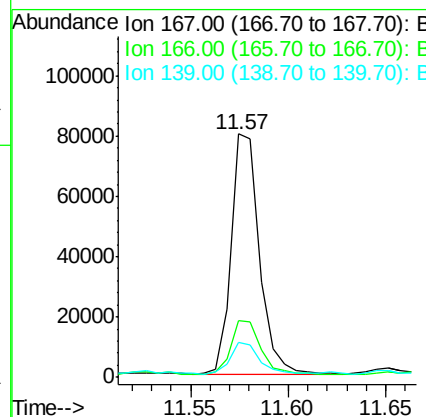
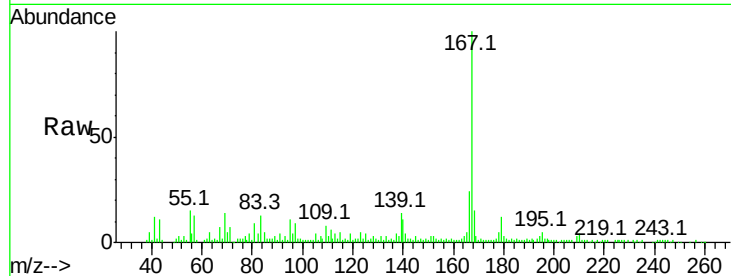
ClientSampled :

SB-7(0-2)RE

Tot Ion:	167	Resp:	79577
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.6	26.4
139	14.3	10.9	16.3

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#74

Fluoranthene

Concen: 50.155 ng

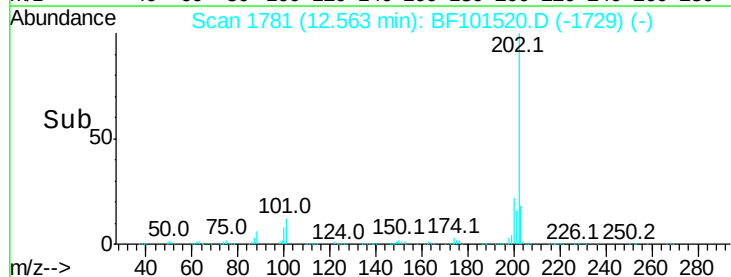
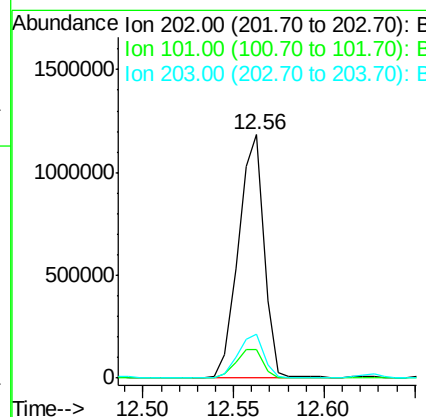
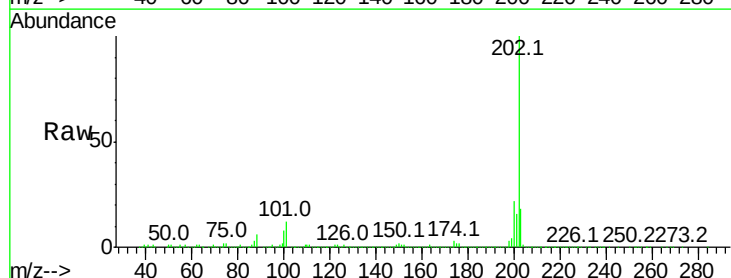
RT: 12.56 min Scan# 1781

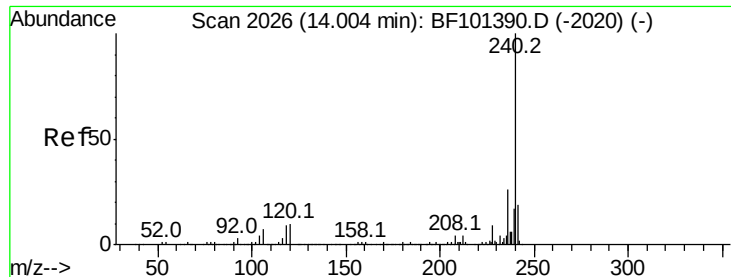
Delta R.T. 0.01 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Tgt Ion:	202	Resp:	1164354
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	17.9	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: BF101520.D

Acq: 19 Dec 2017 14:17

Instrument :

BNA_F

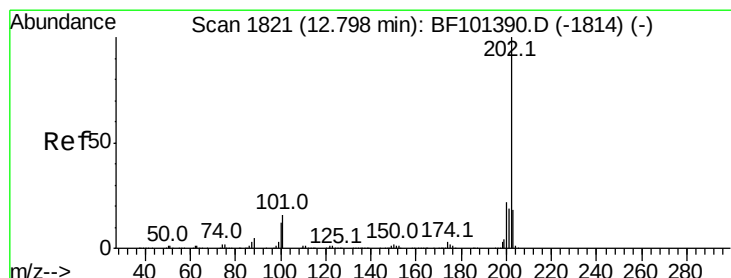
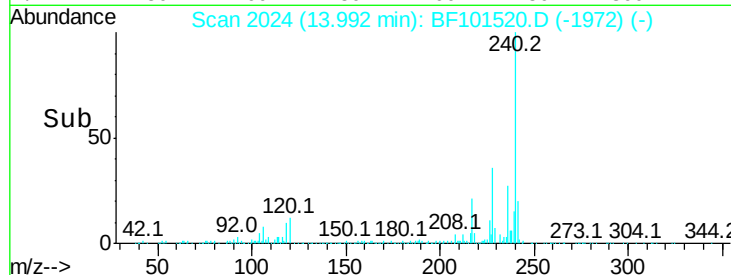
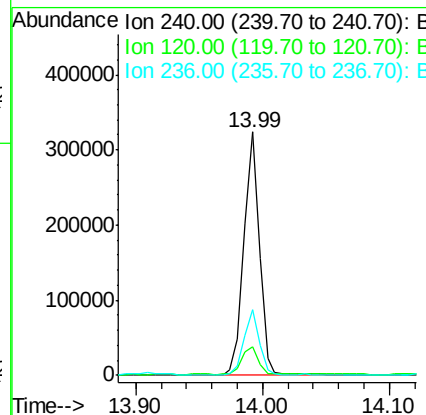
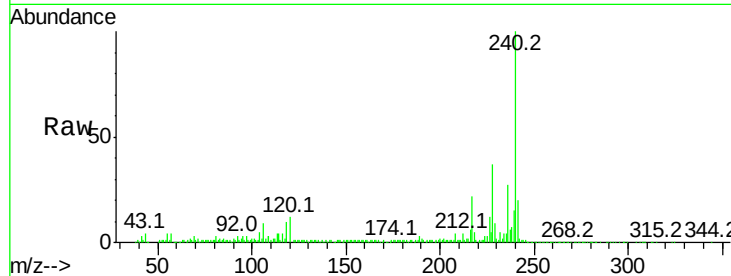
ClientSampled :

SB-7(0-2)RE

Tot Ion:	240	Resp:	270253
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.5	14.3
236	27.1	20.7	31.1

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#77

Pyrene

Concen: 53.394 ng

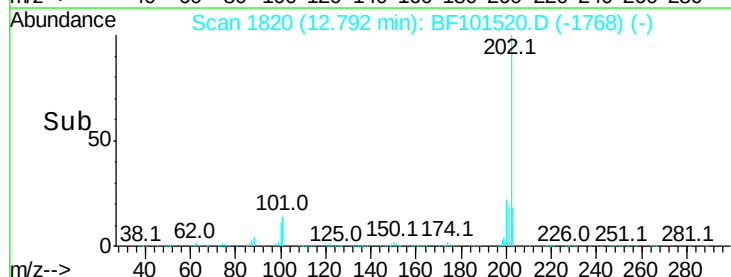
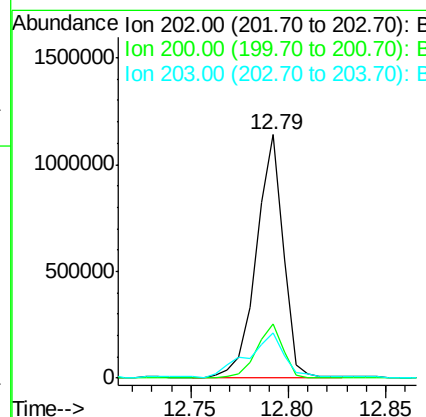
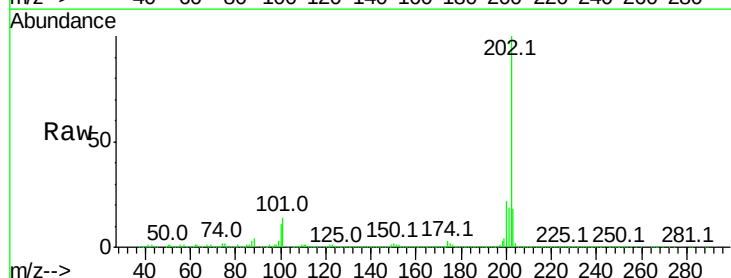
RT: 12.79 min Scan# 1820

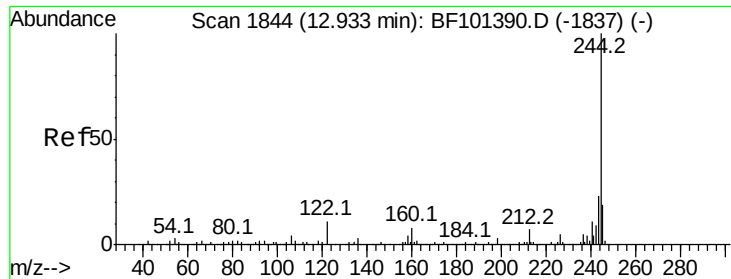
Delta R.T. 0.01 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Tgt Ion:	202	Resp:	1082953
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.4	26.2
203	18.4	14.3	21.5





#78

Terphenyl-d14

Concen: 44.813 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Instrument :

BNA_F

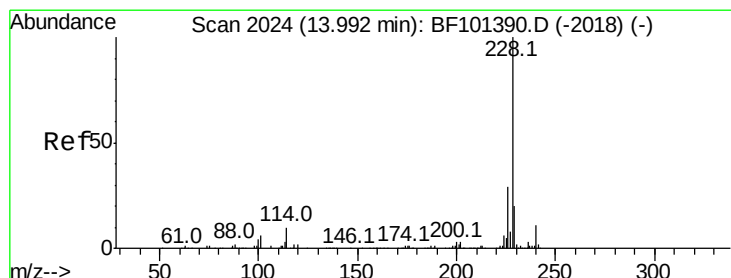
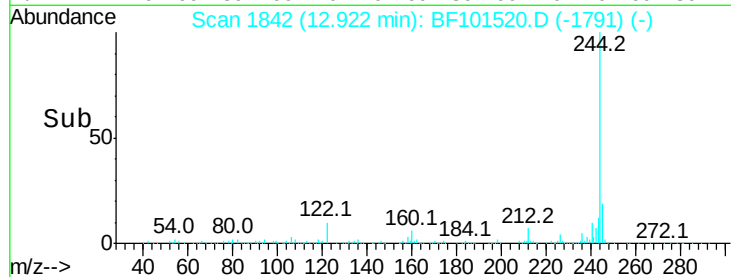
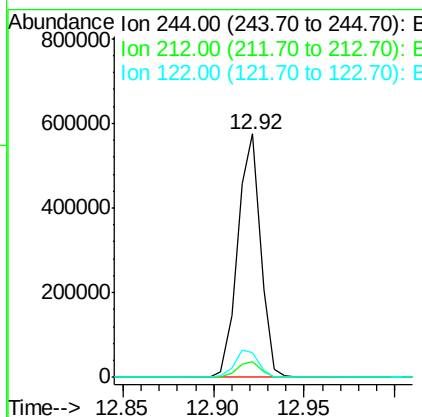
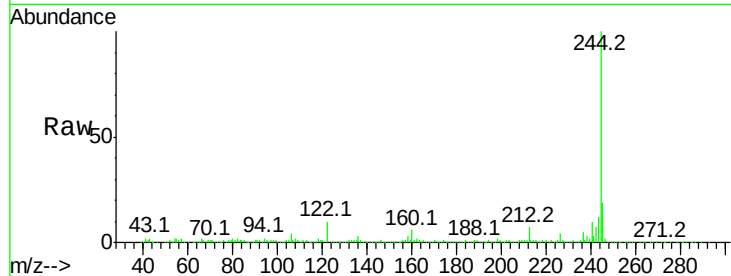
ClientSampleId :

SB-7(0-2)RE

Tot Ion:	244	Resp:	502361
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	10.4	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 35.758 ng

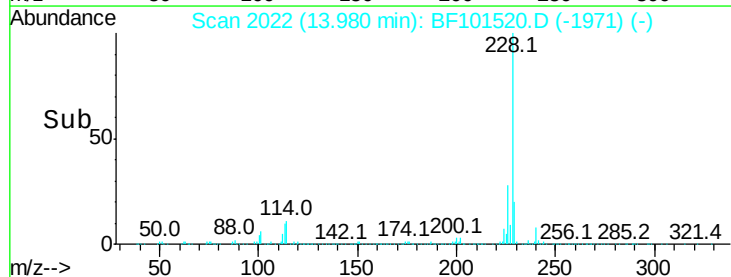
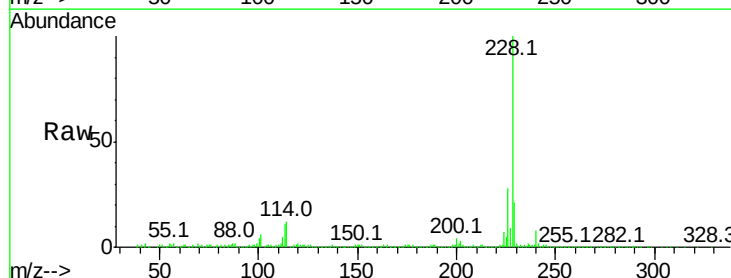
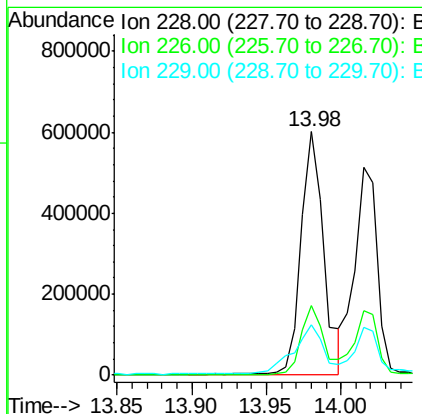
RT: 13.98 min Scan# 2022

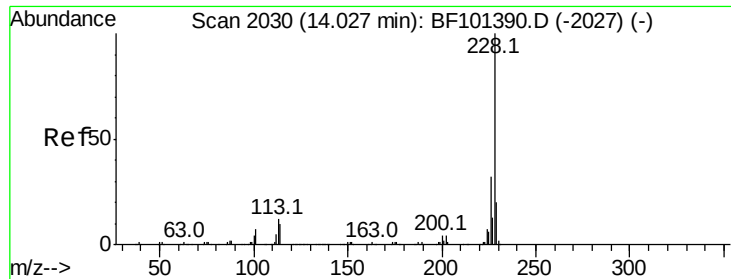
Delta R.T. 0.00 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Tgt Ion:	228	Resp:	638111
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.6	33.8
229	20.8	15.8	23.6





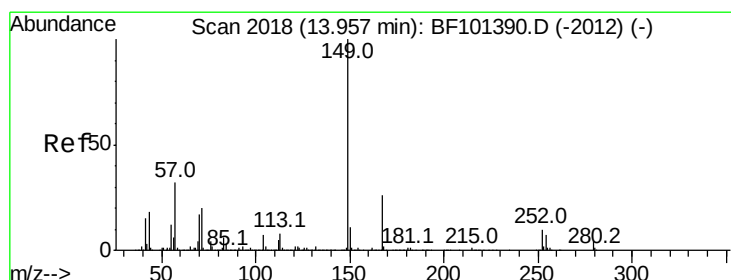
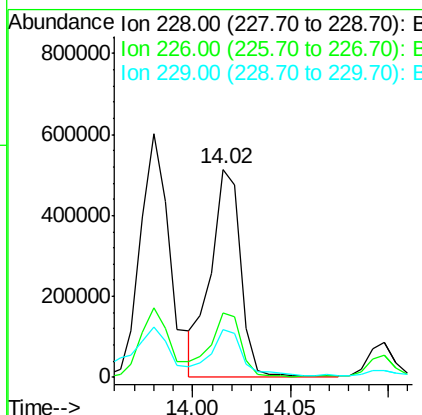
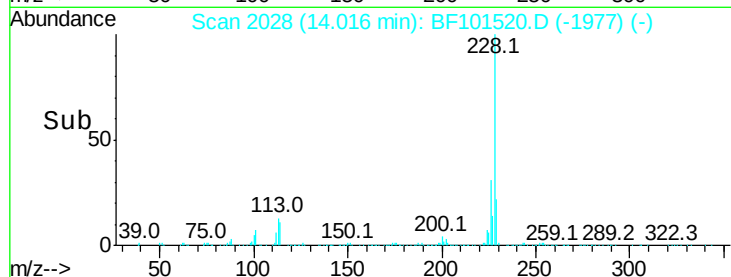
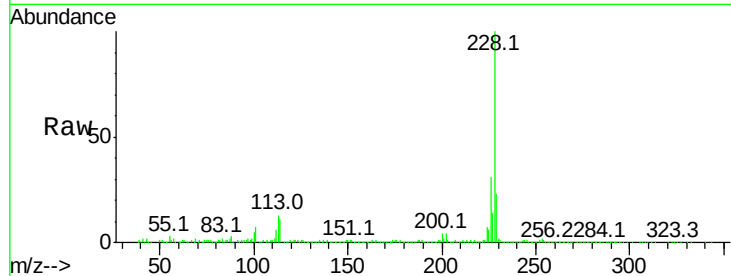
#82
Chrysene
Concen: 32.250 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)RE

Tot Ion:	228	Resp:	543382
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.6	16.2	24.4

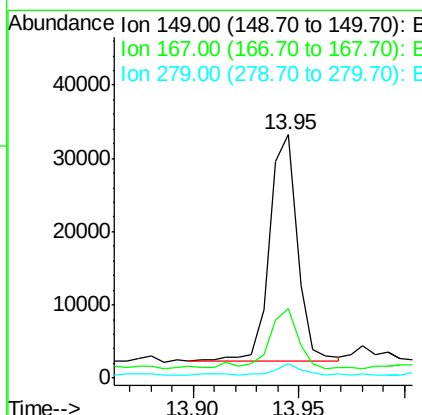
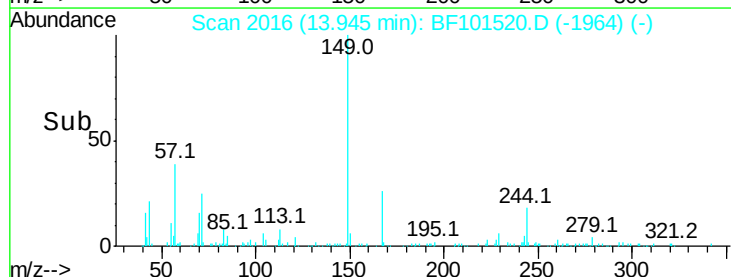
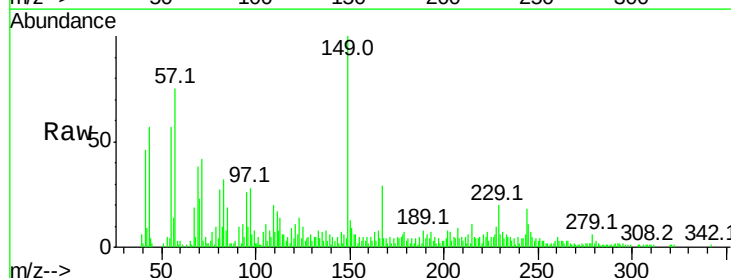
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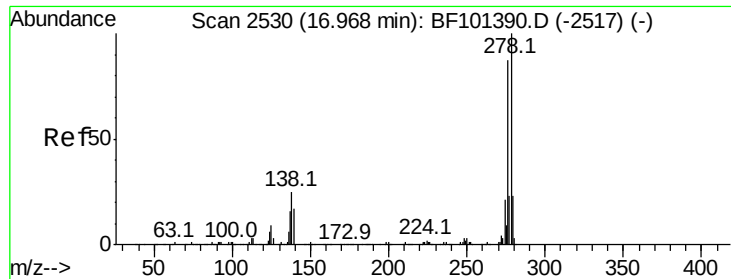
Sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.469 ng
RT: 13.95 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Tgt Ion:	149	Resp:	28700
Ion Ratio	Lower	Upper	
149	100		
167	28.5	21.3	31.9
279	5.8	3.0	4.4#





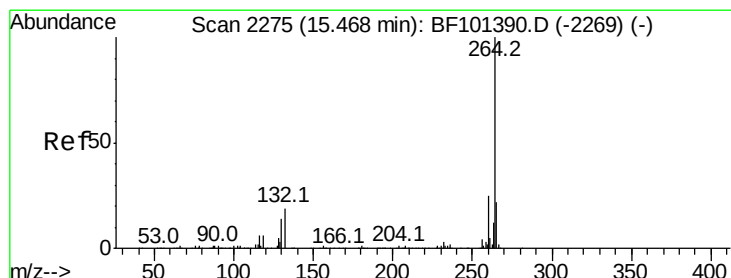
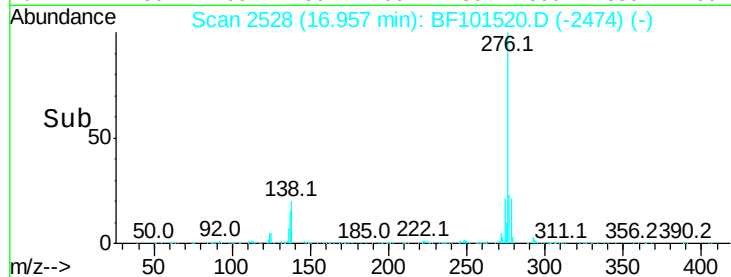
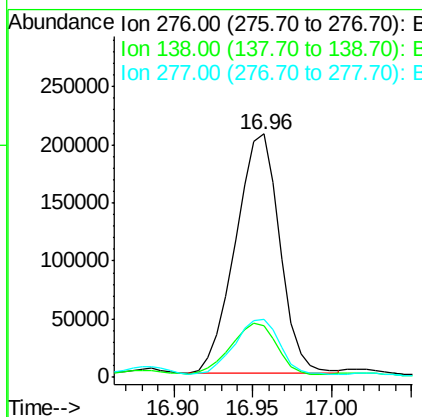
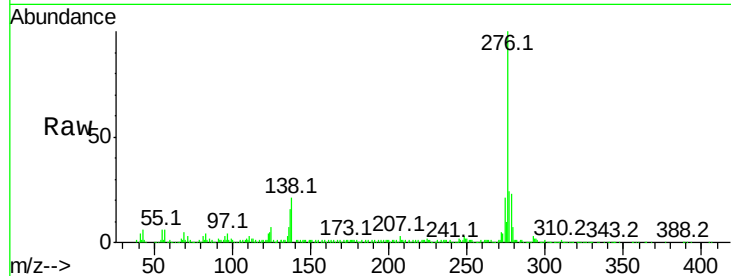
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 26.713 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. 0.02 min
 Lab File: BF101520.D
 Acq: 19 Dec 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	25.0	37.6#
277	23.9	20.1	30.1

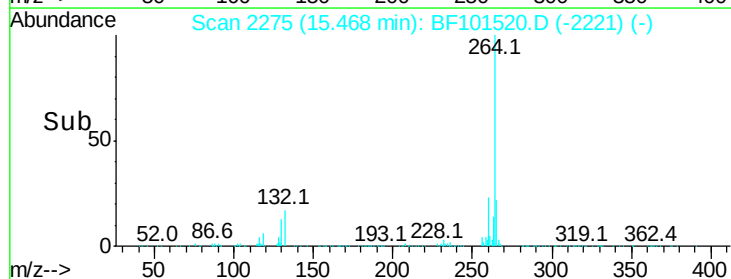
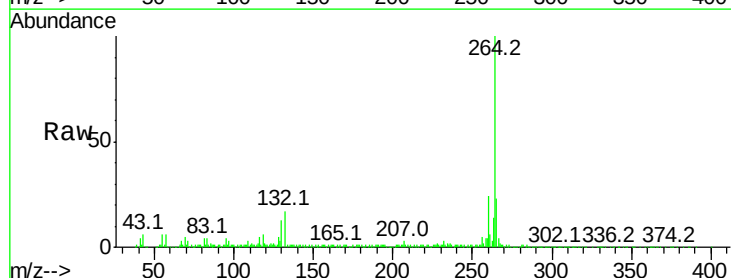
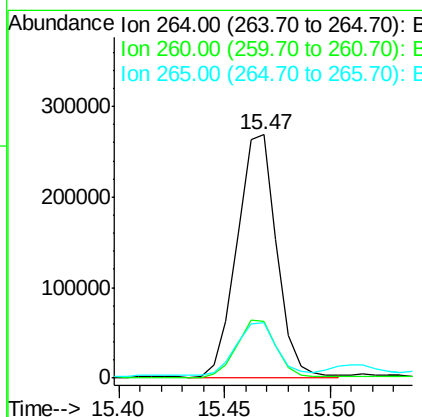
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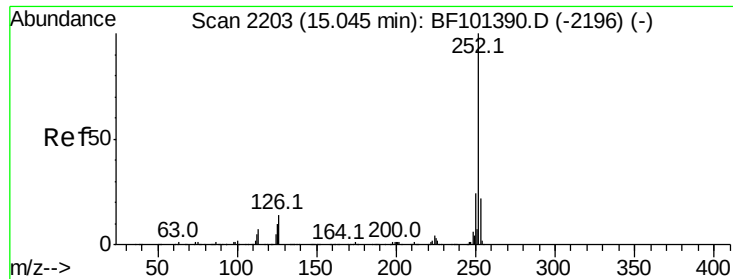
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.02 min
 Lab File: BF101520.D
 Acq: 19 Dec 2017 14:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 38.261 ng m

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Instrument :

BNA_F

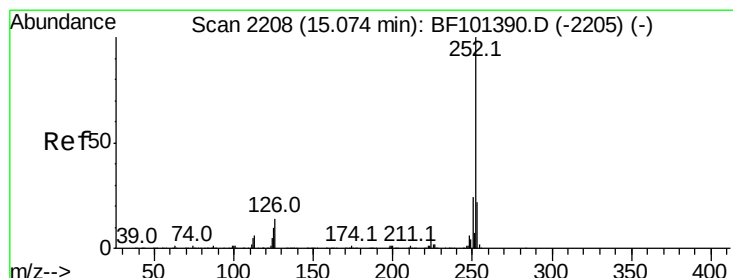
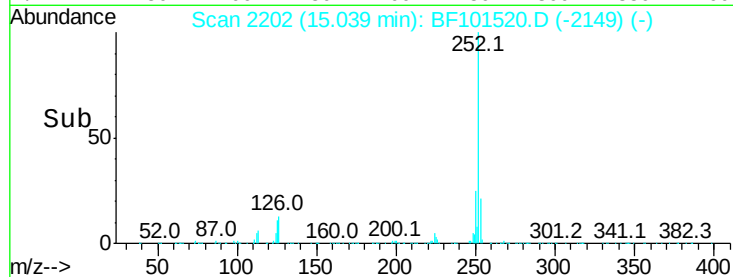
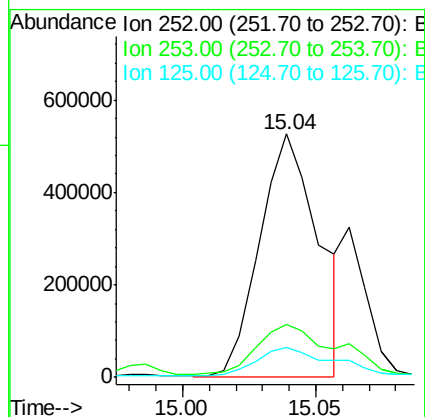
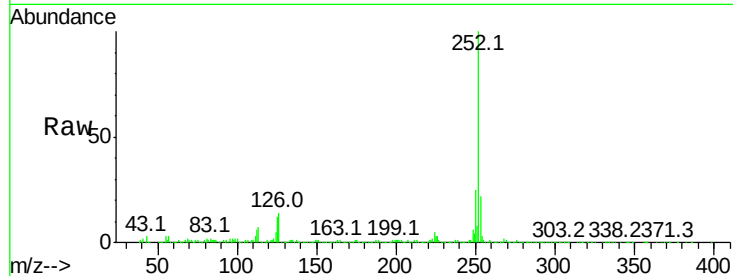
ClientSampleId :

SB-7(0-2)RE

Tot Ion:	252	Resp:	810650
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	12.1	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 10.368 ng m

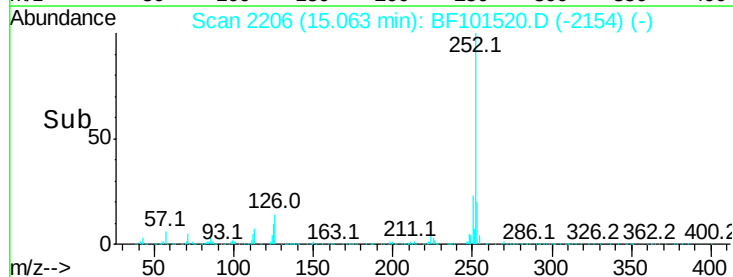
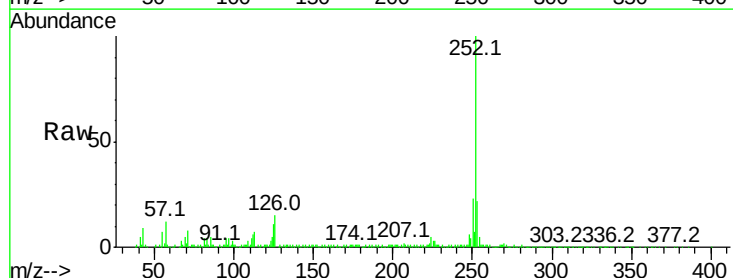
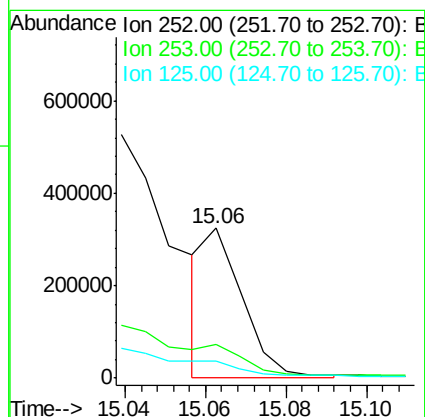
RT: 15.06 min Scan# 2206

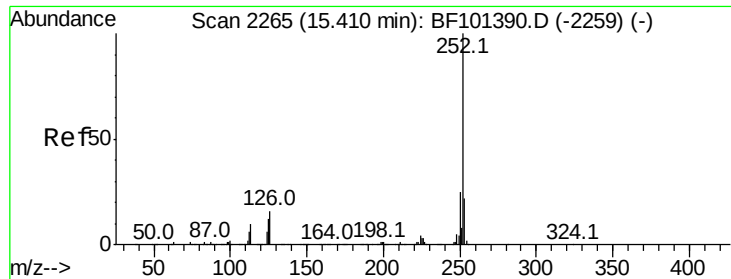
Delta R.T. 0.01 min

Lab File: BF101520.D

Acq: 19 Dec 2017 14:17

Tgt Ion:	252	Resp:	213589
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.9	26.9
125	11.1	10.2	15.2





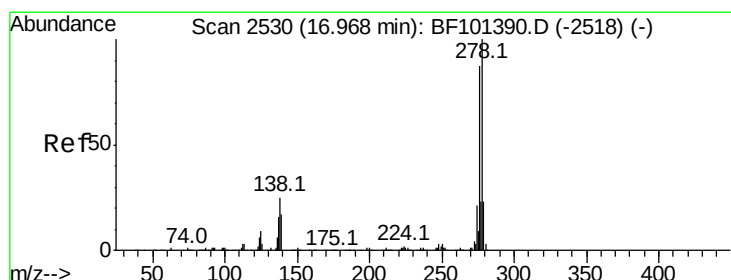
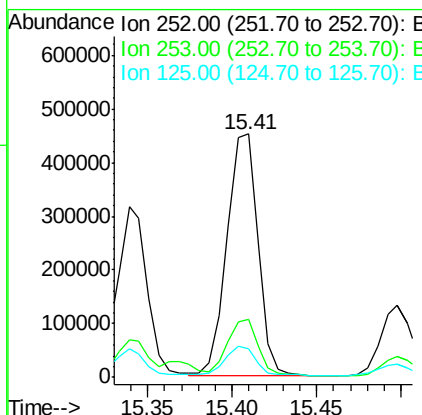
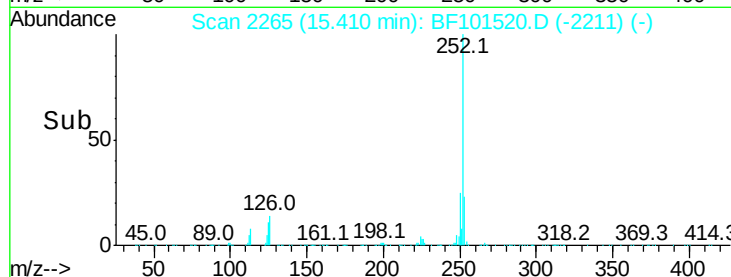
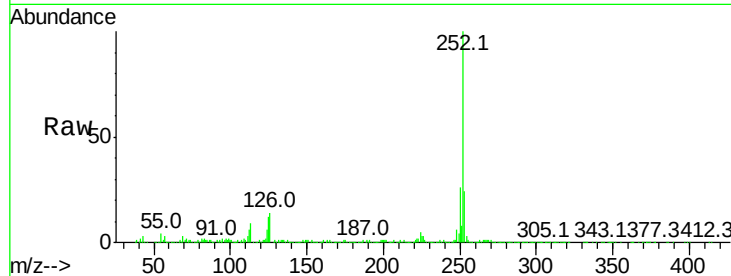
#89
Benzo(a)pyrene
Concen: 29.681 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Instrument :
BNA_F
Client Sampled :
SB-7(0-2)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	11.6	9.8	14.6

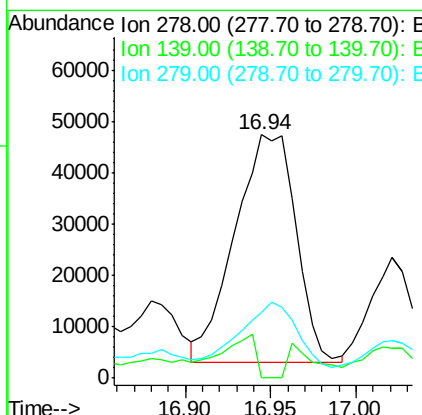
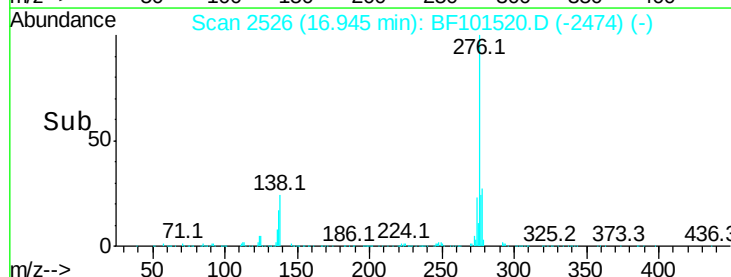
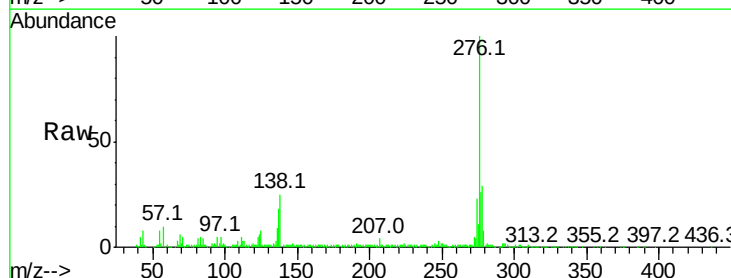
Manual Integrations
APPROVED

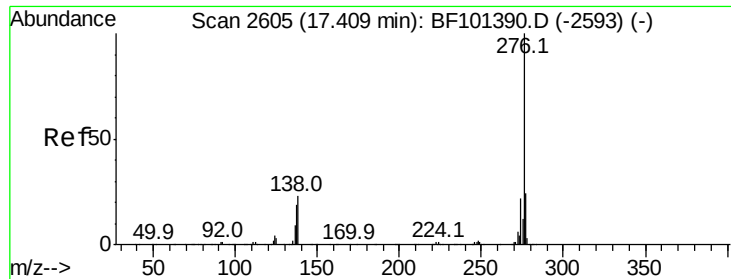
Sohil
12/20/2017 3:47:45 PM



#90
Dibenzo(a,h)anthracene
Concen: 6.537 ng m
RT: 16.94 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF101520.D
Acq: 19 Dec 2017 14:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 22.787 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.03 min
 Lab File: BF101520.D
 Acq: 19 Dec 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)RE

Tot Ion:	276	Resp:	378394
Ion Ratio		Lower	Upper
276	100		
277	26.7	17.9	26.9
138	24.9	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/20/2017 3:47:45 PM

