

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101789.D
 Acq On : 28 Dec 2017 4:31
 Operator : SJ/JU
 Sample : I7069-10 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

Manual Integrations
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Quant Time: Dec 28 06:47:53 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	138703	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	508634	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	198554	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	280058	20.00	ng	0.01
75) Chrysene-d12	13.99	240	209787	20.00	ng	0.02
86) Perylene-d12	15.47	264	203076	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	530727	57.00	ng	0.01
7) Phenol-d6	6.44	99	635013	54.80	ng	0.00
23) Nitrobenzene-d5	7.36	82	354433	38.79	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	94657	49.48	ng	0.01
44) 2-Fluorobiphenyl	9.15	172	587453	45.90	ng	0.00
78) Terphenyl-d14	12.91	244	367334	42.21	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.10	128	112277	4.385	ng	99
37) 2-Methylnaphthalene	8.79	142	68049	4.079	ng	99
49) Dimethylphthalate	9.55	163	60992	3.819	ng	# 99
51) Acenaphthene	9.86	154	158107	12.366	ng	99
54) Dibenzofuran	10.04	168	162540	10.004	ng	97
57) Fluorene	10.38	166	232966	16.949	ng	99
70) Phenanthrene	11.36	178	1344122	86.303	ng	99
71) Anthracene	11.40	178	450315	28.306	ng	99
72) Carbazole	11.57	167	198466	13.325	ng	97
74) Fluoranthene	12.56	202	1407528	86.100	ng	97
77) Pyrene	12.79	202	1205019	76.536	ng	99
80) Benzo(a)anthracene	13.98	228	732959	52.911	ng	96
82) Chrysene	14.02	228	605609	46.303	ng	97
83) Bis(2-ethylhexyl)phthalate	13.93	149	22216	2.462	ng	# 84
85) Indeno(1,2,3-cd)pyrene	16.96	276	246432	21.158	ng	# 90
87) Benzo(b)fluoranthene	15.04	252	607105m	49.047	ng	
88) Benzo(k)fluoranthene	15.06	252	206335m	17.145	ng	
89) Benzo(a)pyrene	15.41	252	433629	38.002	ng	# 94
90) Dibenzo(a,h)anthracene	16.94	278	70408	7.187	ng	# 89
91) Benzo(a,h,i)perylene	17.42	276	216835	22.351	ng	93

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

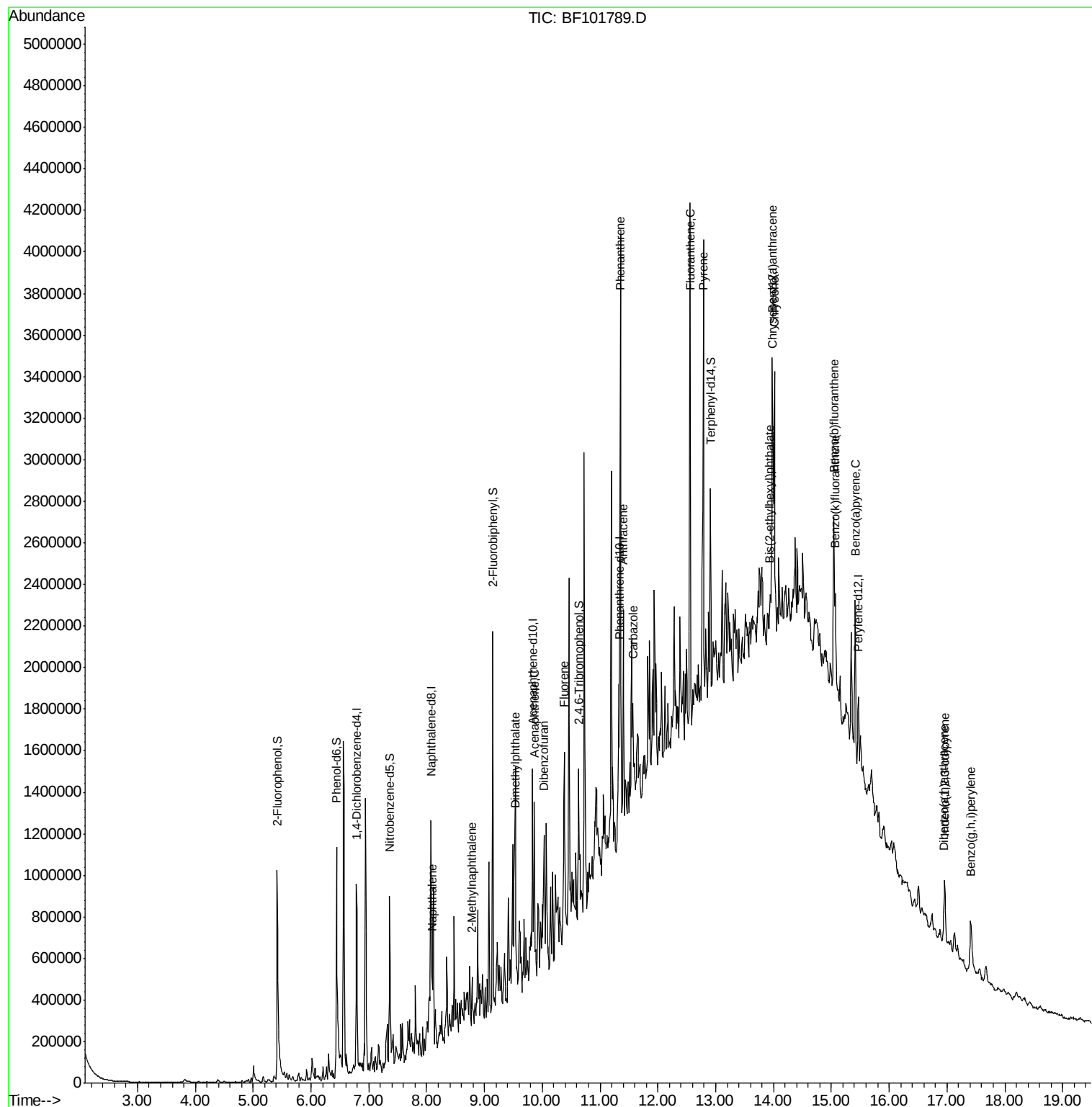
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
Data File : BF101789.D
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ALS Vial : 28 Sample Multiplier: 1

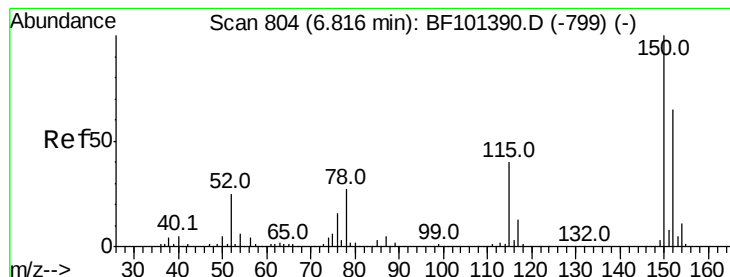
Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

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Quant Time: Dec 28 06:47:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

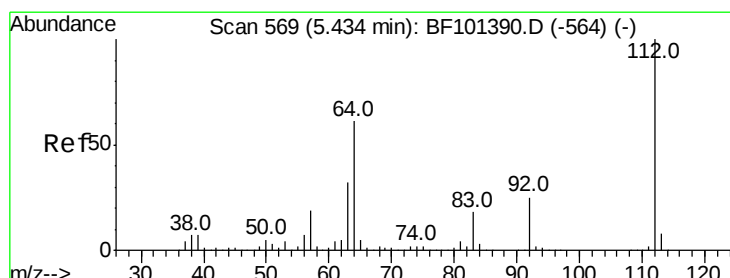
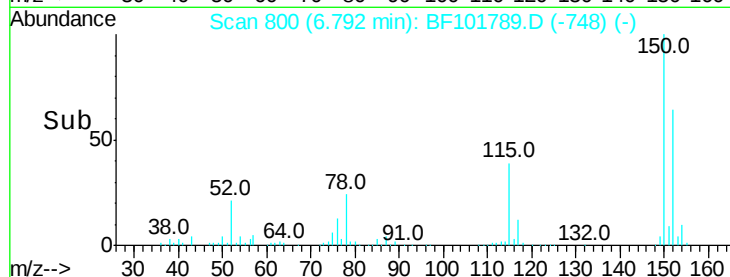
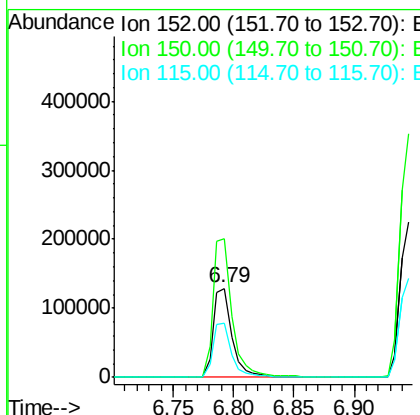
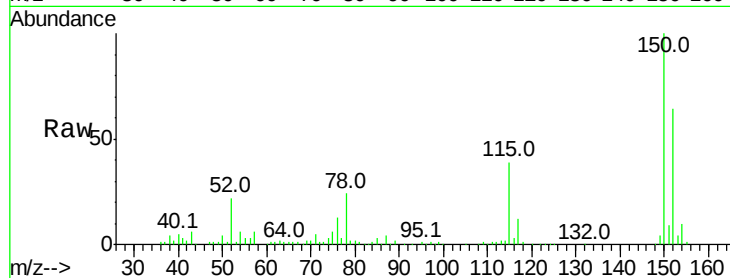
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	60.8	50.1	75.1

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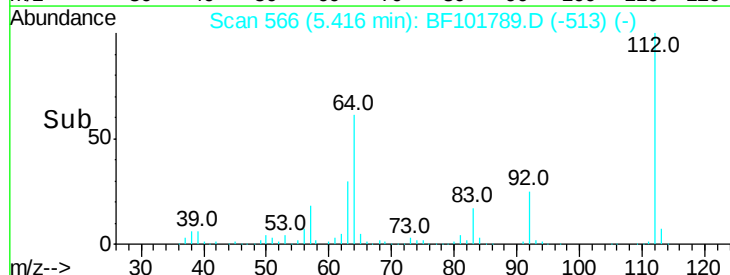
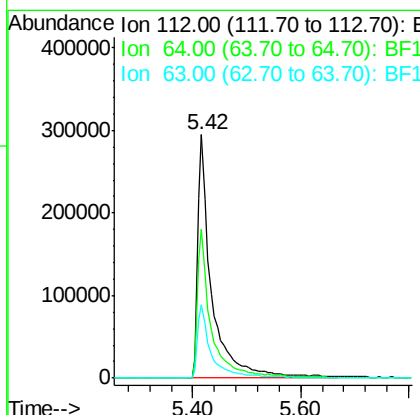
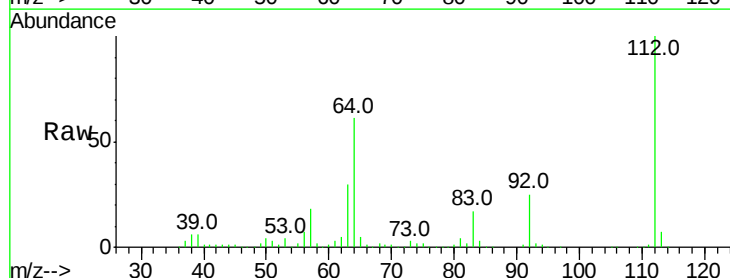
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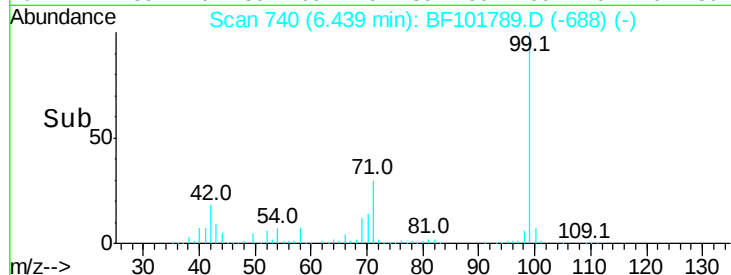
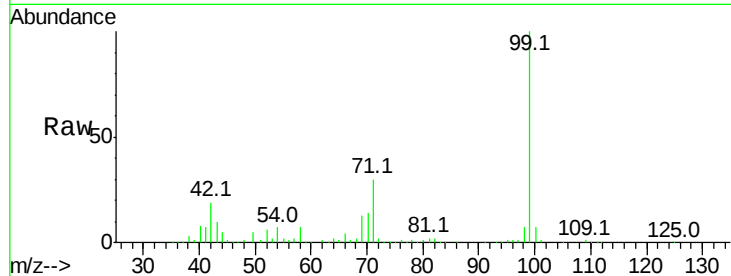
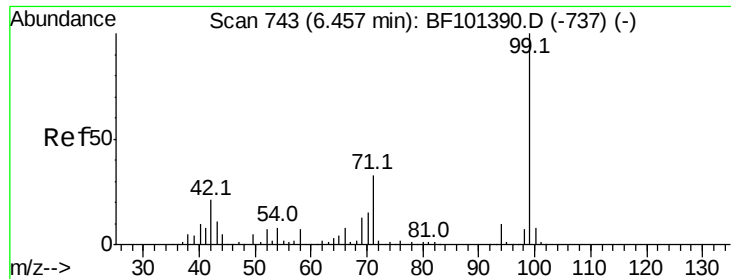


#5

2-Fluorophenol
Concen: 56.997 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 54.796 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Tot Ion	99	Resp	635013
Ion Ratio	Lower	Upper	
99	100		
42	18.6	14.5	21.7
71	30.0	25.4	38.0

Instrument :

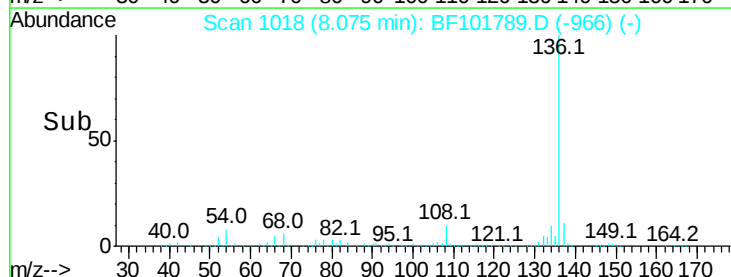
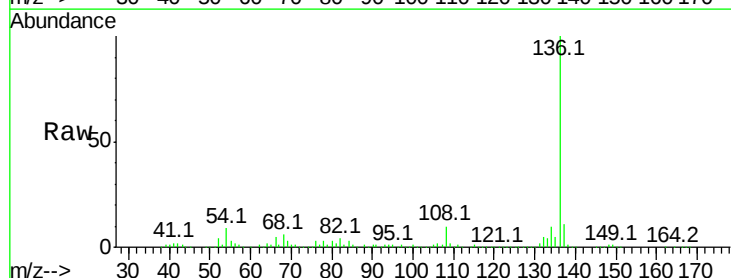
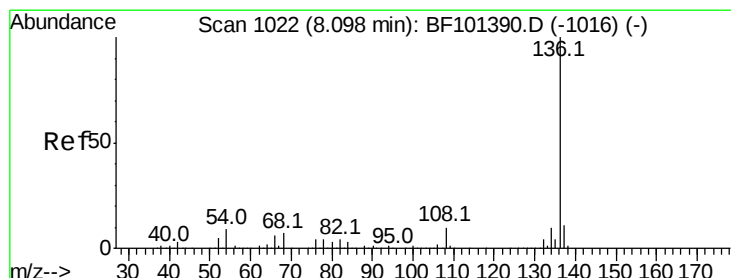
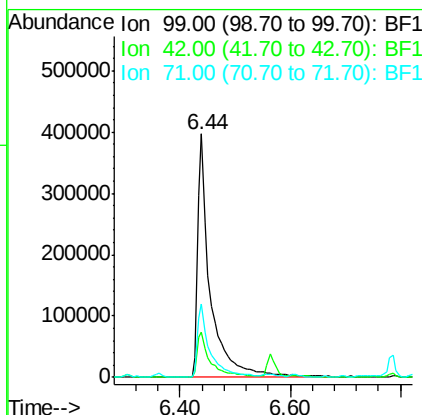
BNA_F

ClientSampled :

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#21

Naphthalene-d8

Concen: 20.000 ng

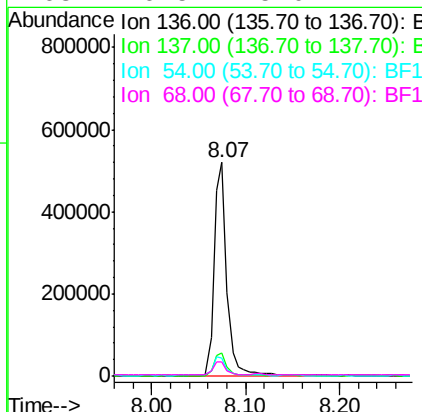
RT: 8.07 min Scan# 1018

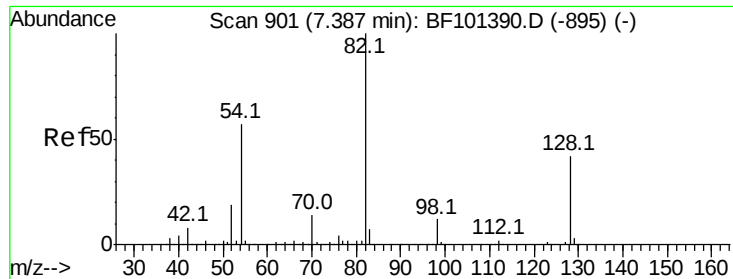
Delta R.T. 0.01 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Tgt Ion	136	Resp	508634
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.7	6.6	9.8
68	6.5	5.0	7.4





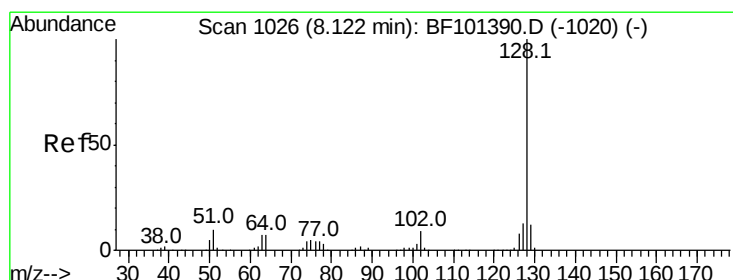
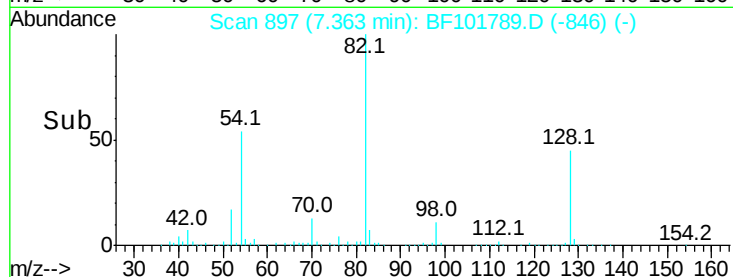
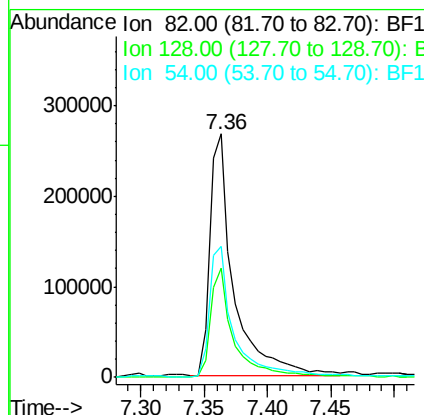
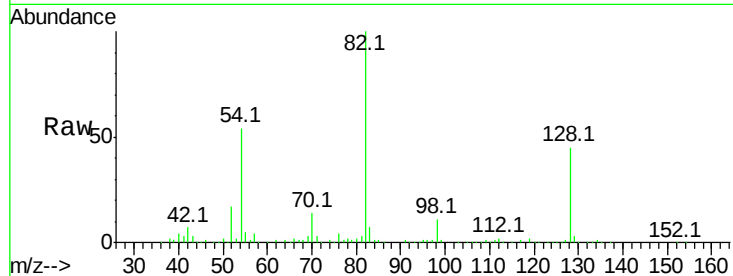
#23
Nitrobenzene-d5
Concen: 38.790 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	36.1	54.1	
54	53.8	41.4	62.2	

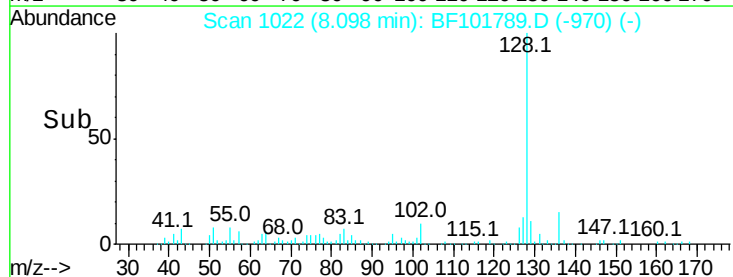
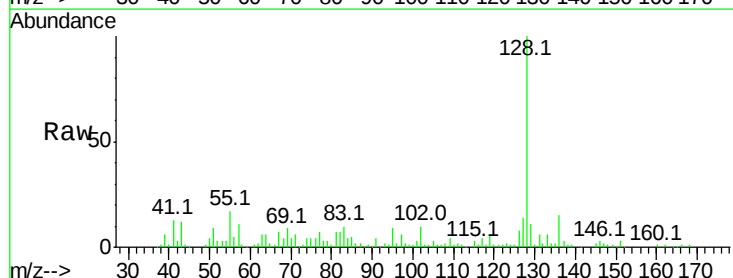
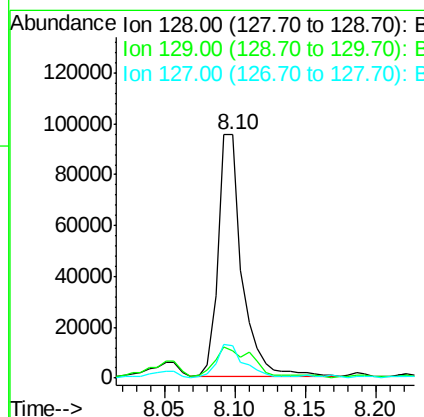
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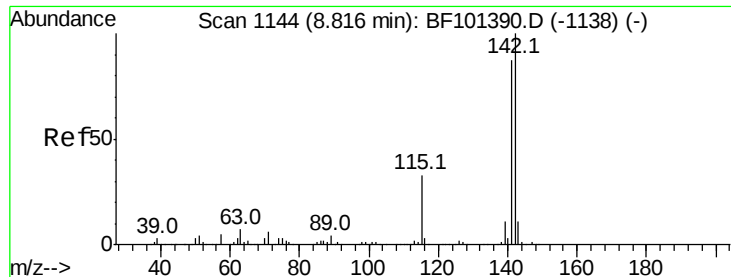
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#31
Naphthalene
Concen: 4.385 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.4	8.8	13.2	
127	13.5	10.9	16.3	





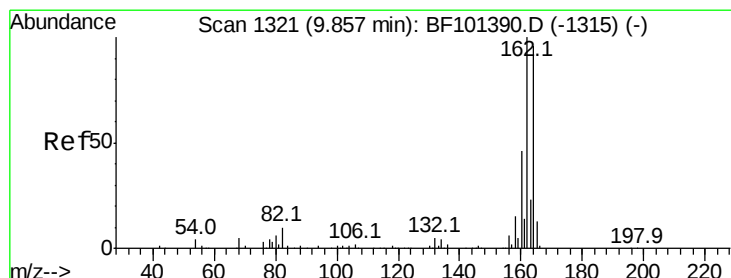
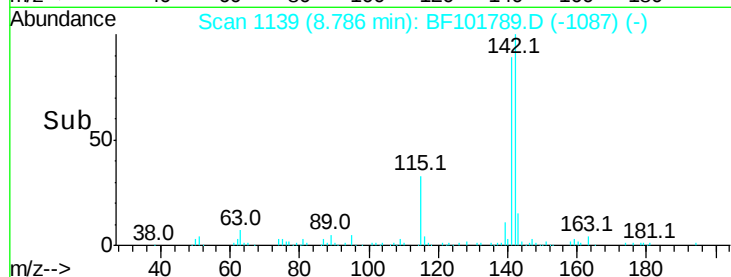
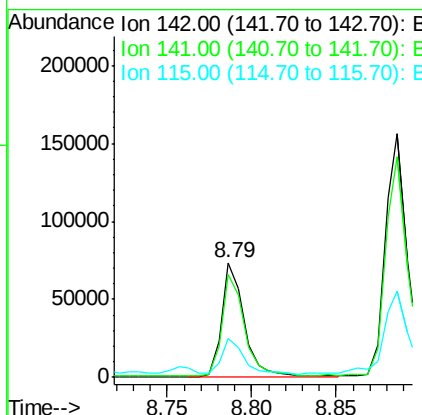
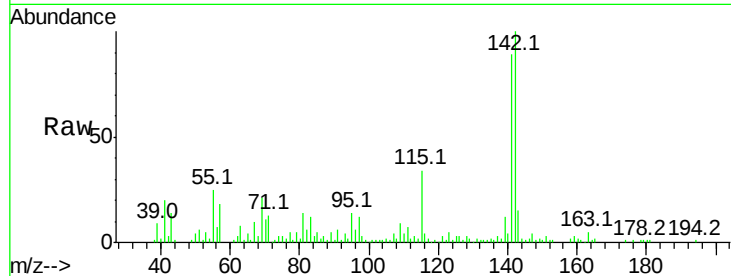
#37
2-Methylnaphthalene
Concen: 4.079 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.8	106.2
115	33.9	26.1	39.1

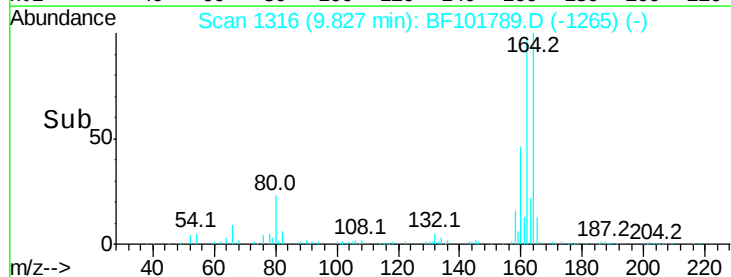
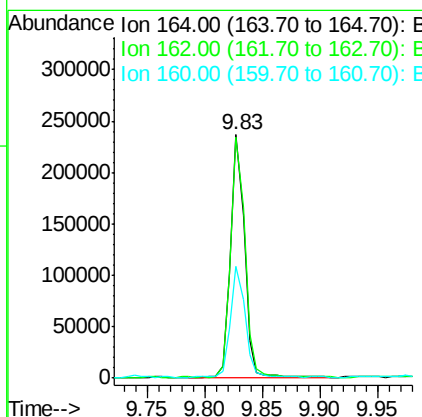
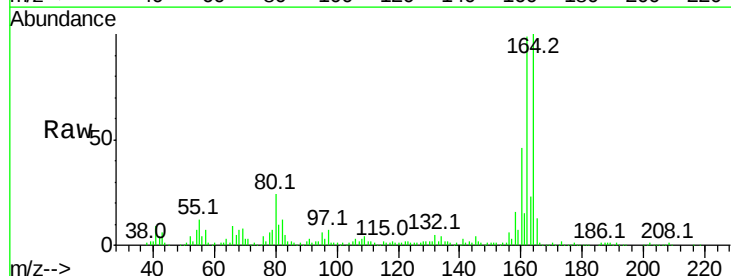
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	86.1	129.1
160	46.1	38.3	57.5





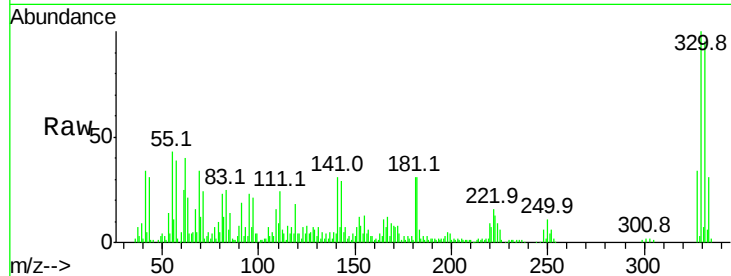
#41
 2,4,6-Tribromophenol
 Concen: 49.475 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BF101789.D
 Acq: 28 Dec 2017 4:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	32.4	29.9	44.9

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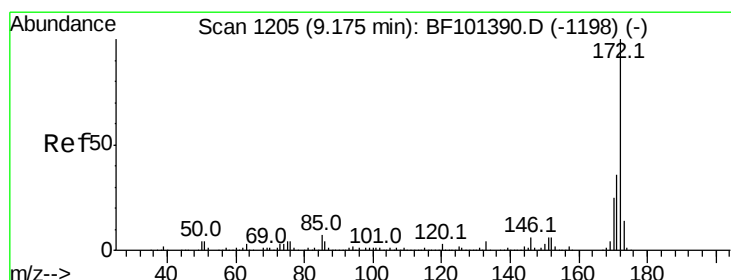
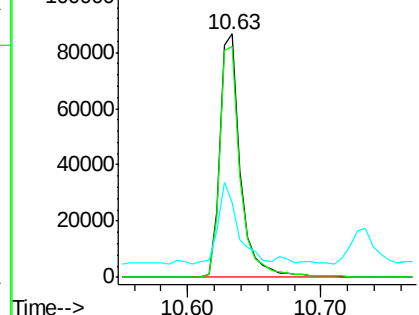
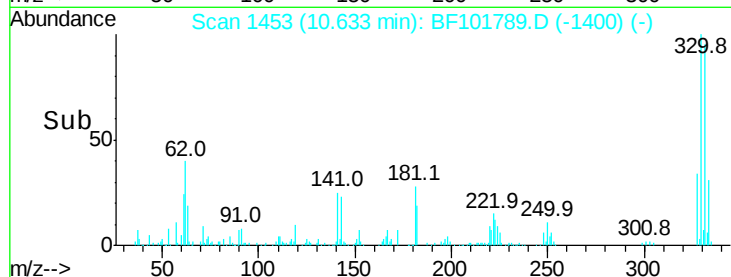


Abundance

Ion 329.80 (329.50 to 330.50): E

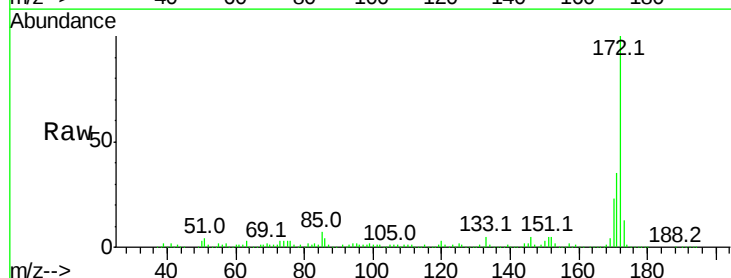
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 45.896 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101789.D
 Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.4	19.6	29.4

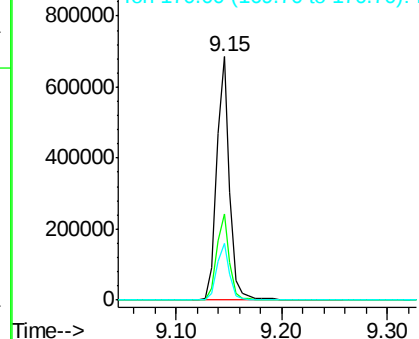
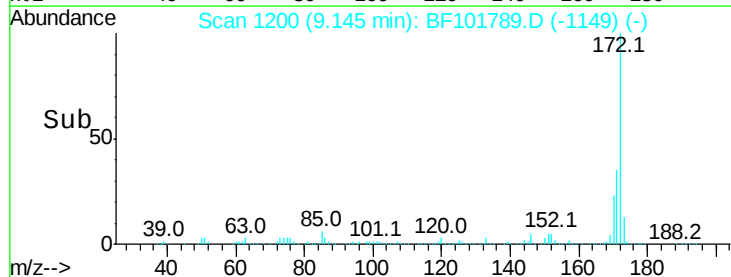


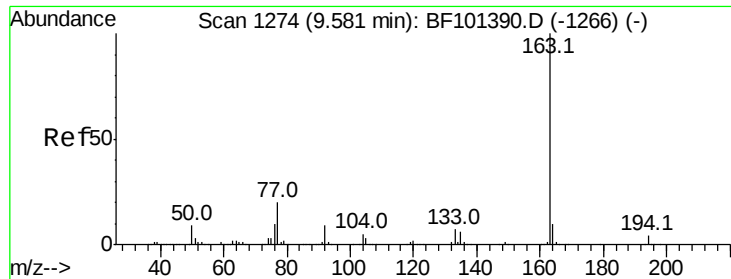
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





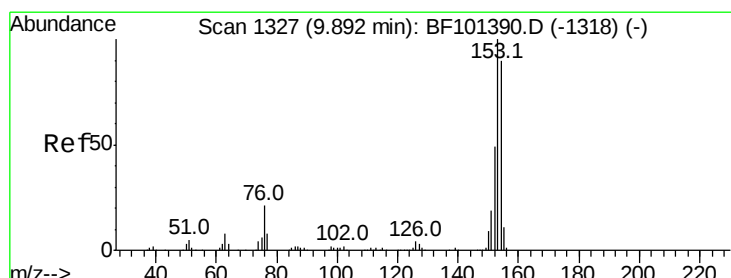
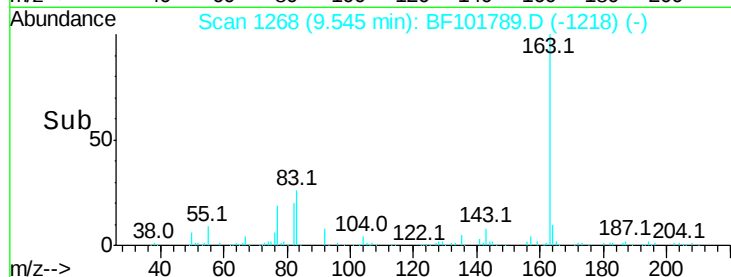
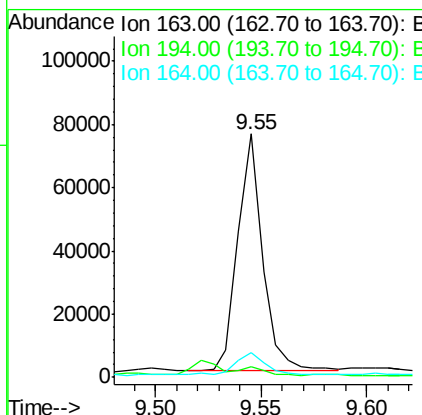
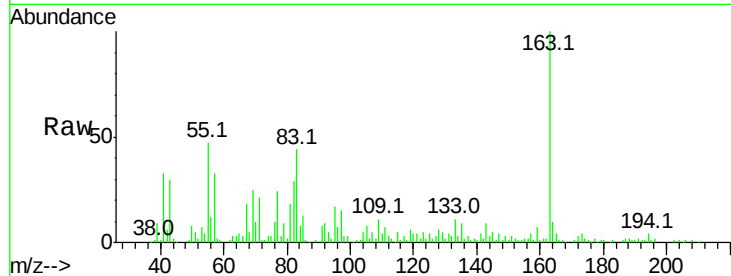
#49
 Dimethylphthalate
 Concen: 3.819 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF101789.D
 Acq: 28 Dec 2017 4:31

Instrument :
 BNA_F
 ClientSampleID :
 SB-22-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	60992		
194	4.4		2.7	4.1#
164	9.9		8.2	12.2

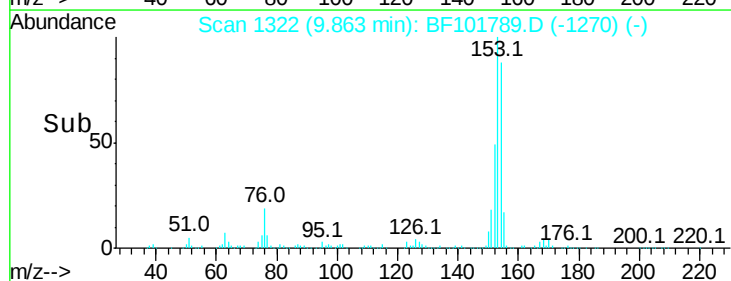
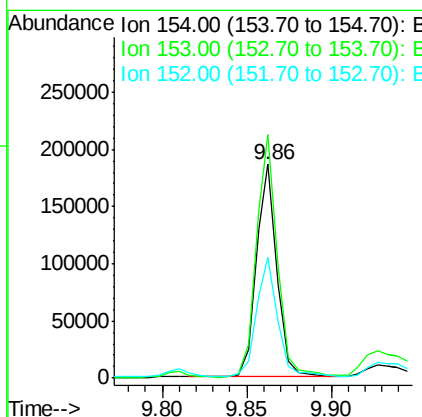
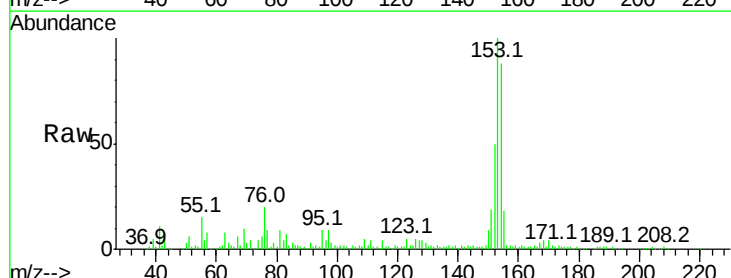
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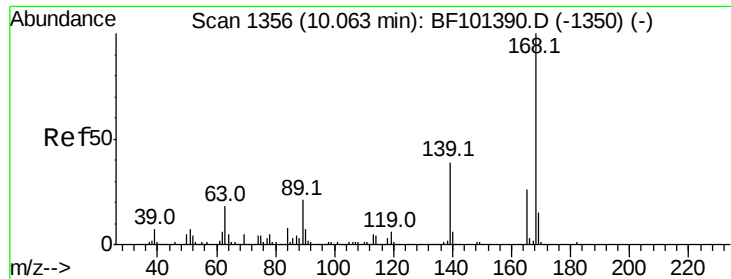
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#51
 Acenaphthene
 Concen: 12.366 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: BF101789.D
 Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	158107		
153	113.9		91.2	136.8
152	56.5		43.8	65.8





#54

Dibenzofuran

Concen: 10.004 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.01 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

Tot Ion:168 Resp: 162540

Ion Ratio Lower Upper

168 100

139 36.3 30.1 45.1

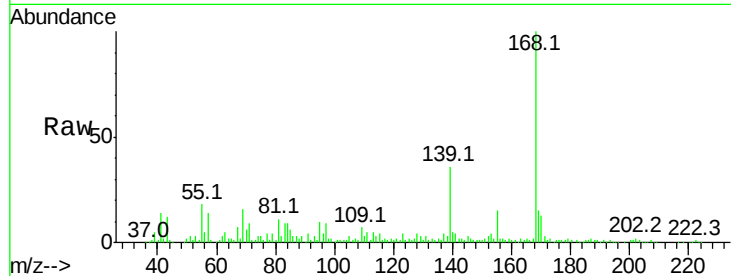
169 15.5 10.9 16.3

Manual Integrations

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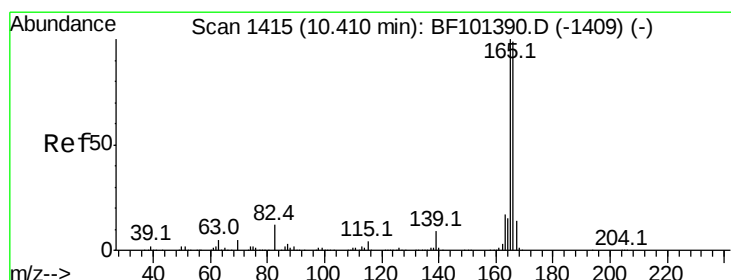
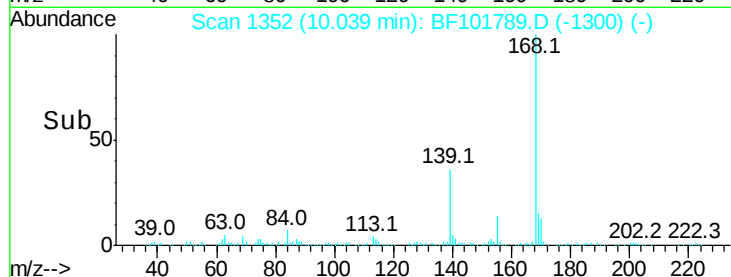
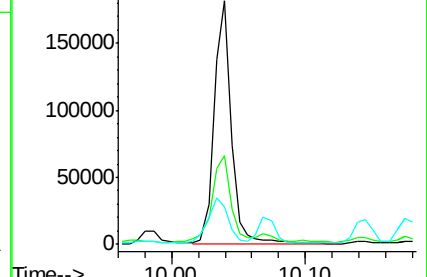
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 16.949 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.01 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

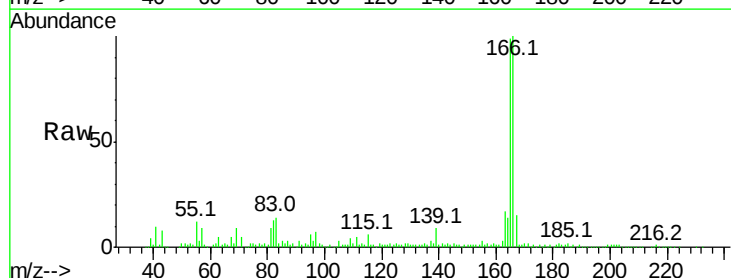
Tgt Ion:166 Resp: 232966

Ion Ratio Lower Upper

166 100

165 99.3 79.8 119.8

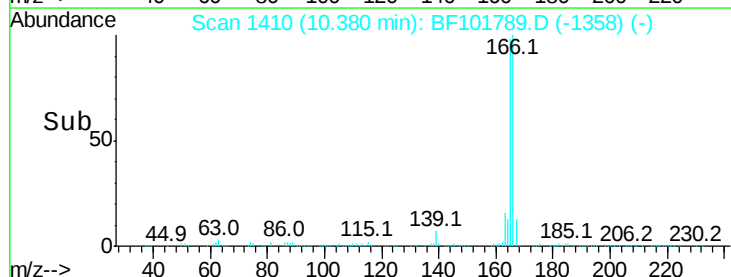
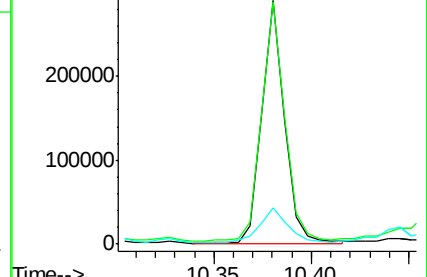
167 14.7 10.6 16.0

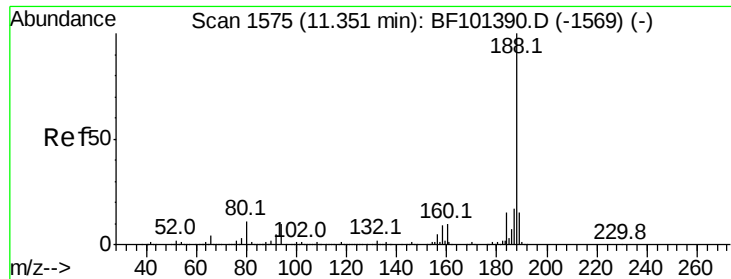


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Instrument :

BNA_F

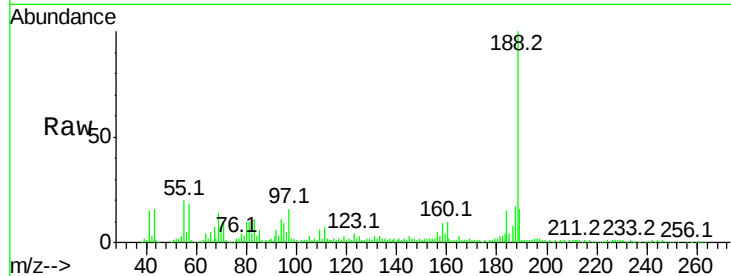
ClientSampleId :

SB-22-COMP

Tot Ion:	188	Resp:	280058
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	10.4	9.2	13.8

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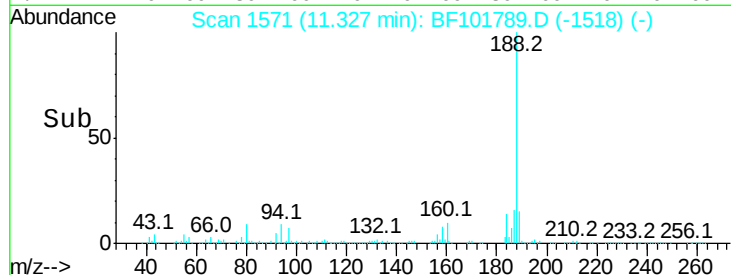


Abundance Ion 188.00 (187.70 to 188.70): E

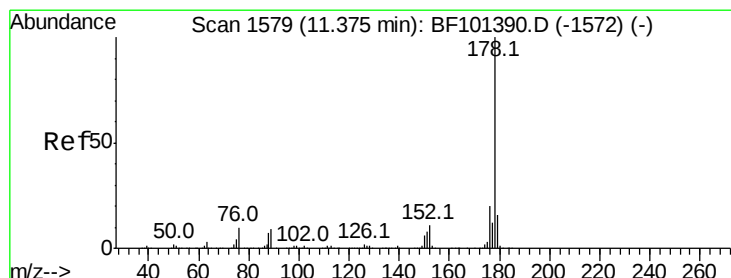
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#70

Phenanthrene

Concen: 86.303 ng

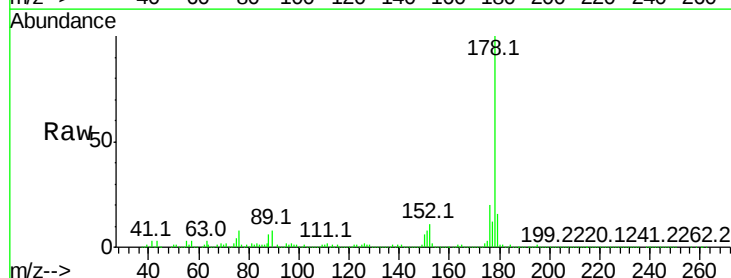
RT: 11.36 min Scan# 1576

Delta R.T. 0.02 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Tgt Ion:	178	Resp:	1344122
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.8	23.8
179	15.8	13.0	19.6

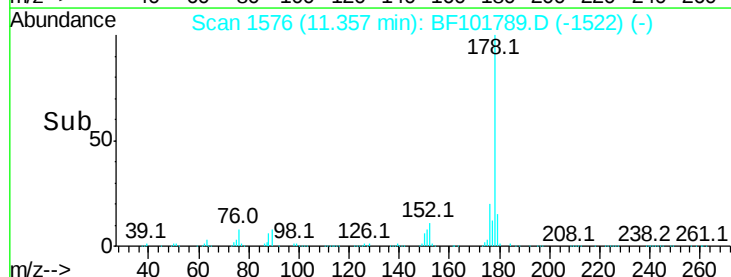


Abundance Ion 178.00 (177.70 to 178.70): E

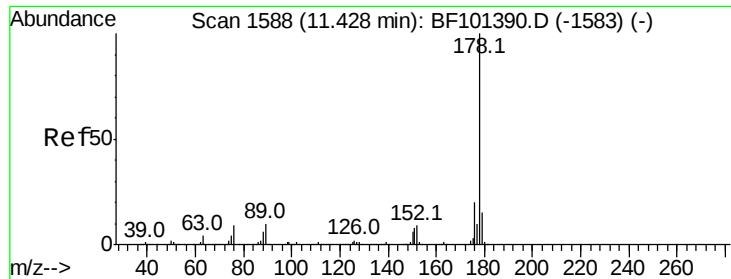
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#71

Anthracene

Concen: 28.306 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Instrument :

BNA_F

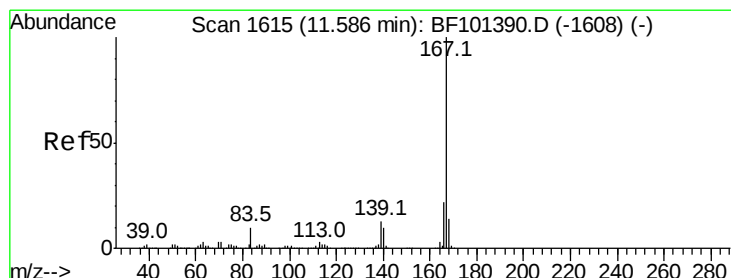
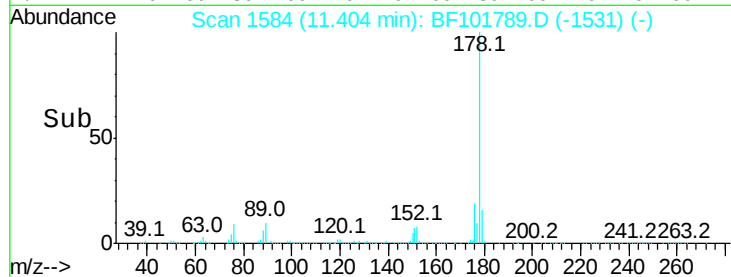
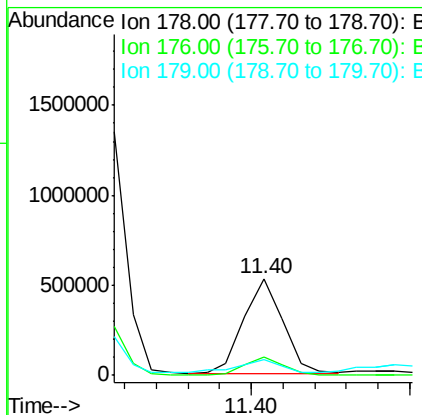
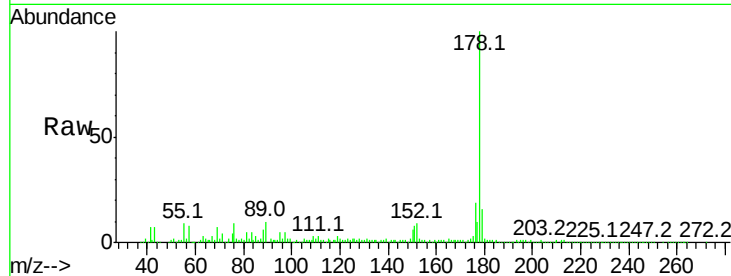
ClientSampleId :

SB-22-COMP

Tot Ion:	178	Resp:	450315
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.2
179	16.3	12.6	19.0

Manual Integrations
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#72

Carbazole

Concen: 13.325 ng

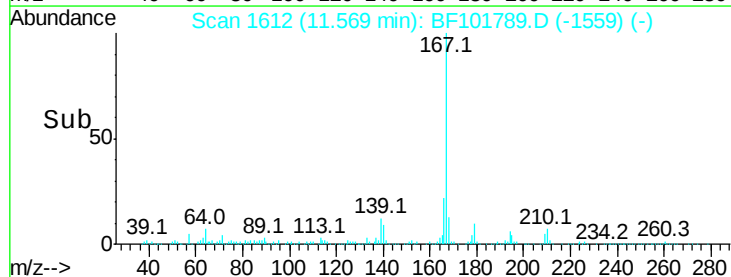
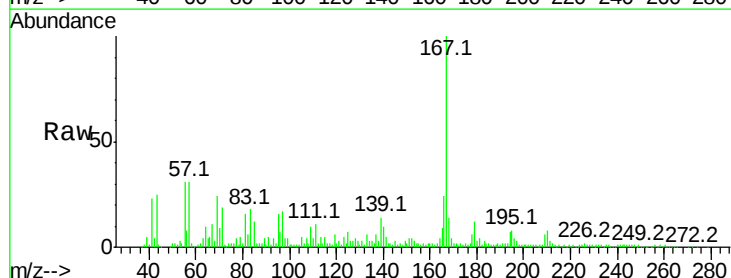
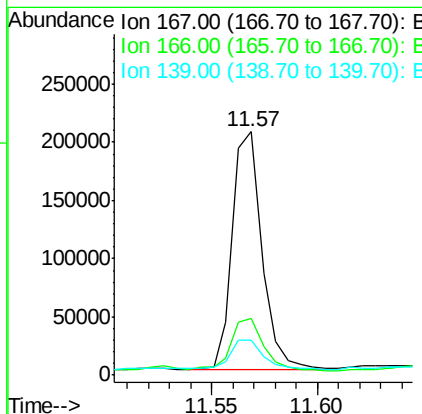
RT: 11.57 min Scan# 1612

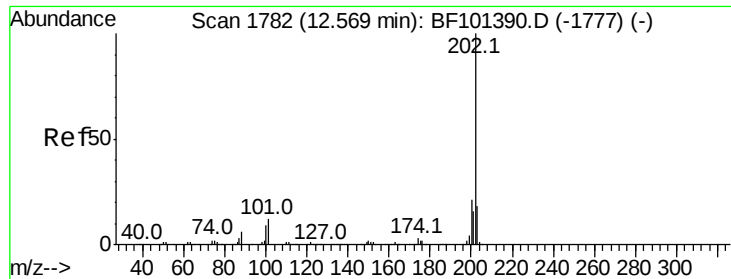
Delta R.T. 0.01 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Tgt Ion:	167	Resp:	198466
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.6	26.4
139	14.5	10.9	16.3





#74

Fluoranthene

Concen: 86.100 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.02 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

Tot Ion:202 Resp: 1407528

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

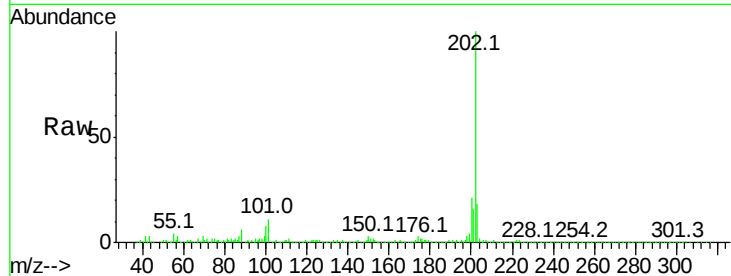
203 17.9 0.0 38.1

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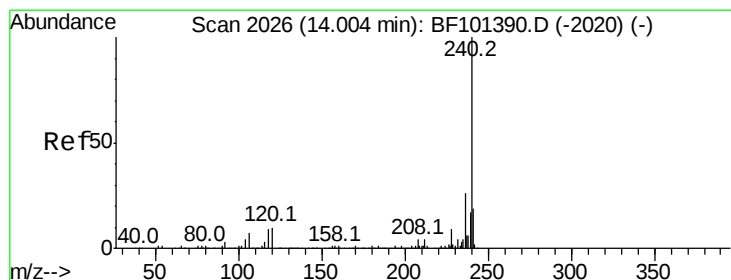
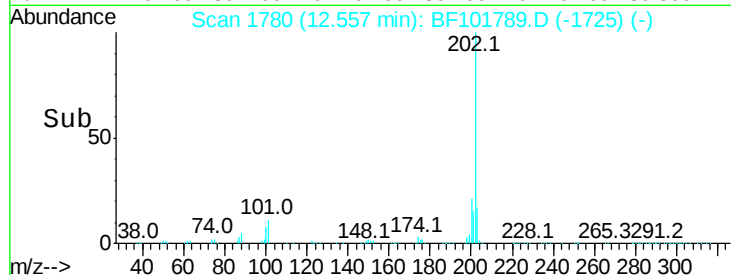
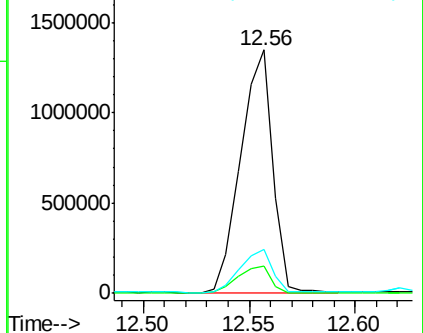
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

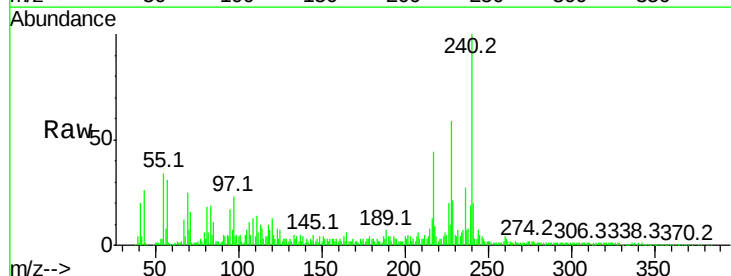
Tgt Ion:240 Resp: 209787

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

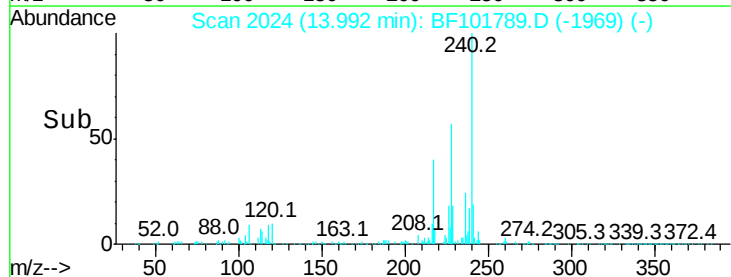
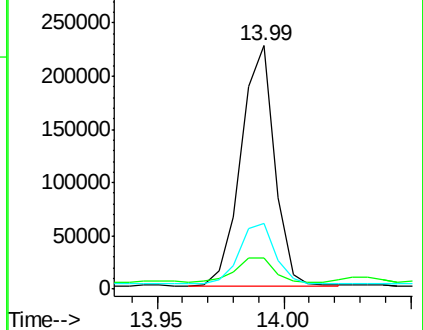
236 27.1 20.7 31.1

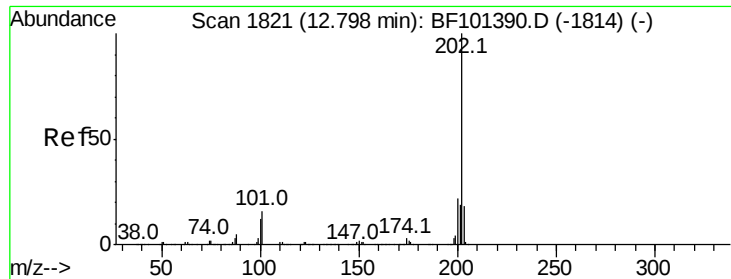


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





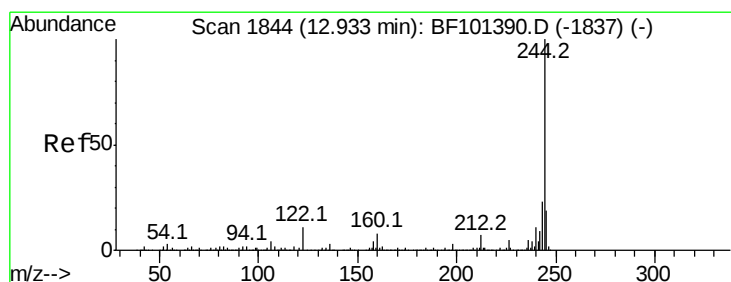
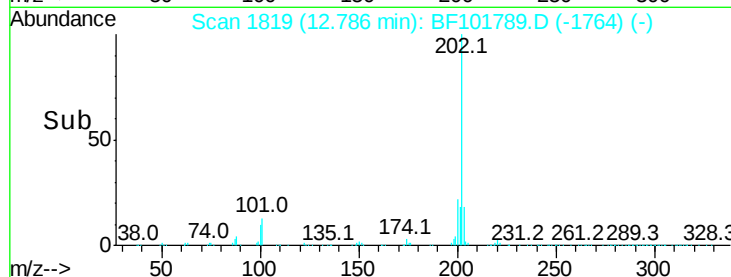
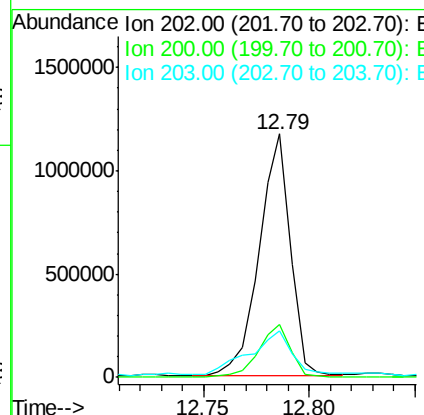
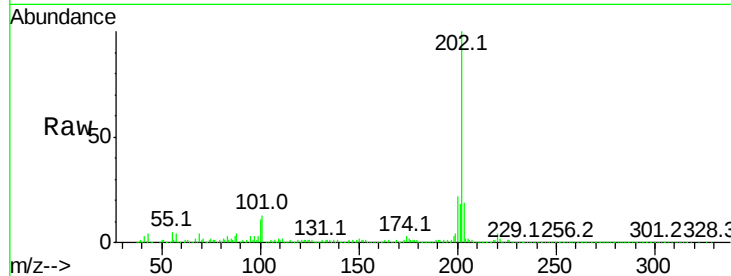
#77
Pvrene
Concen: 76.536 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.02 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	19.0	14.3	21.5

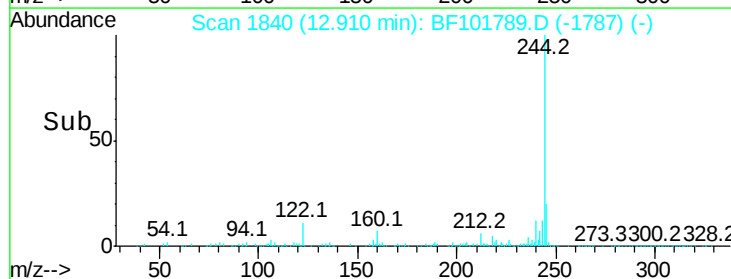
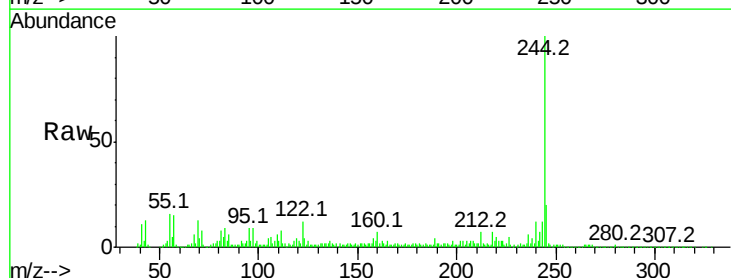
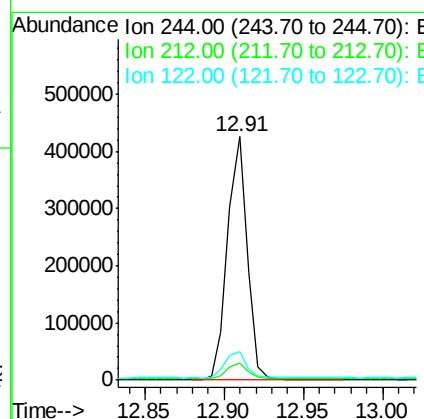
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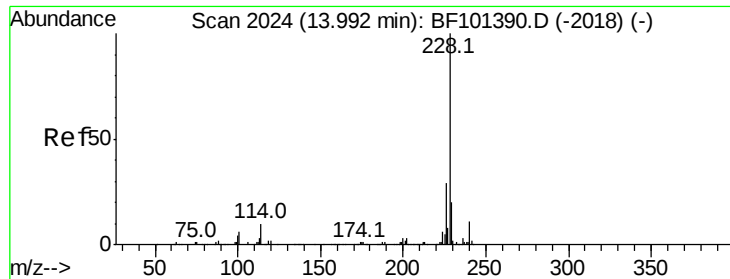
Sohil
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#78
Terphenyl-d14
Concen: 42.212 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	11.6	11.0	16.4





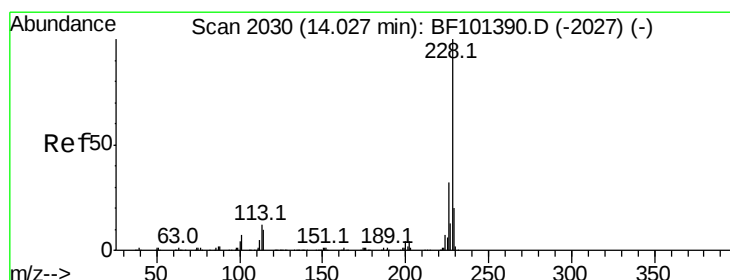
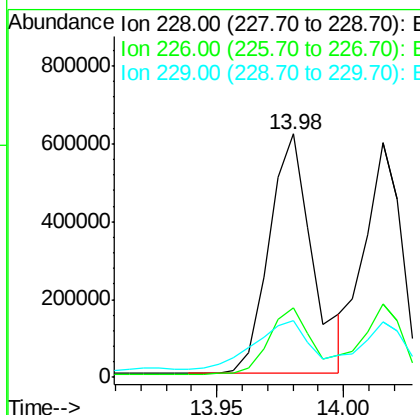
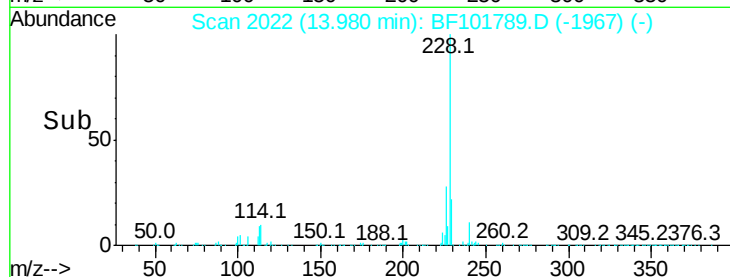
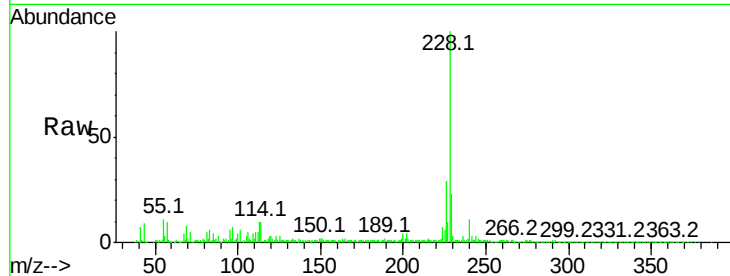
#80
Benzo(a)anthracene
Concen: 52.911 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.02 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	23.3	15.8	23.6

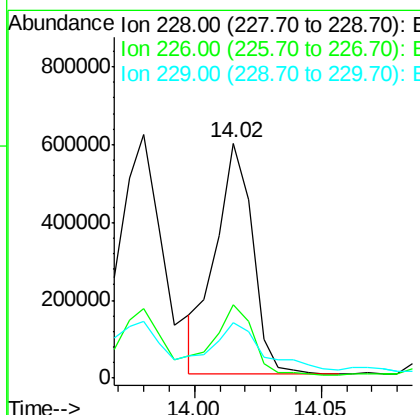
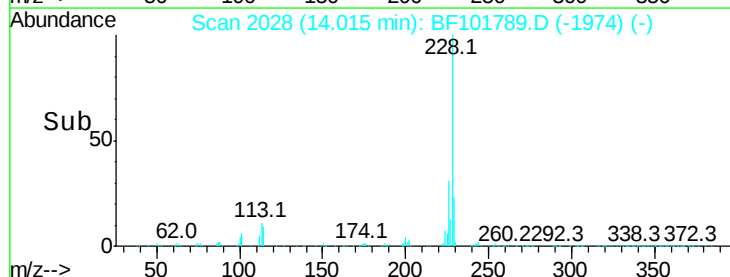
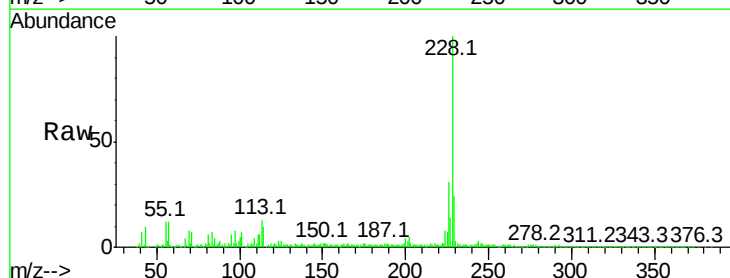
Manual Integrations
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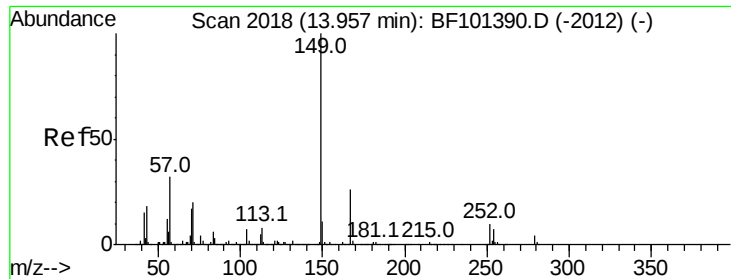
Sohil
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#82
Chrysene
Concen: 46.303 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	23.7	16.2	24.4





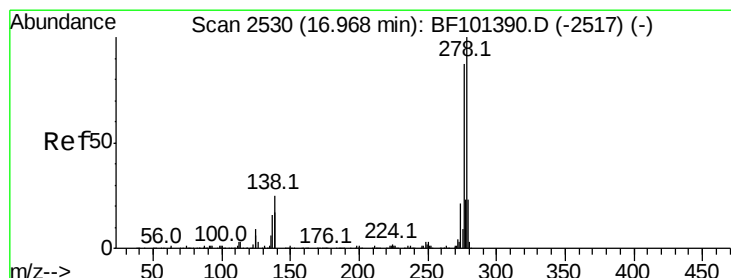
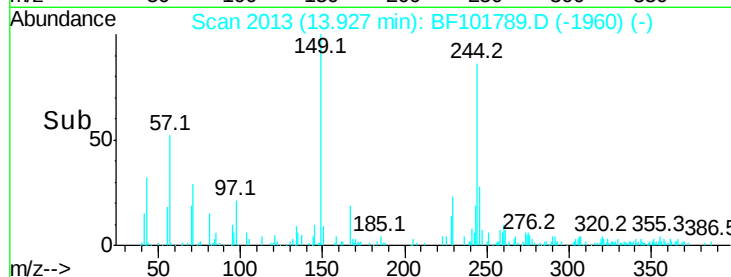
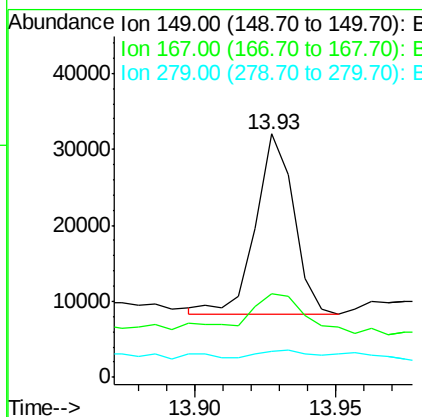
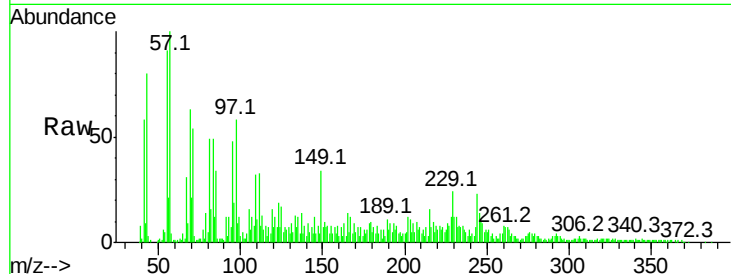
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.462 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
167	34.3	21.3	31.9#
279	10.9	3.0	4.4#

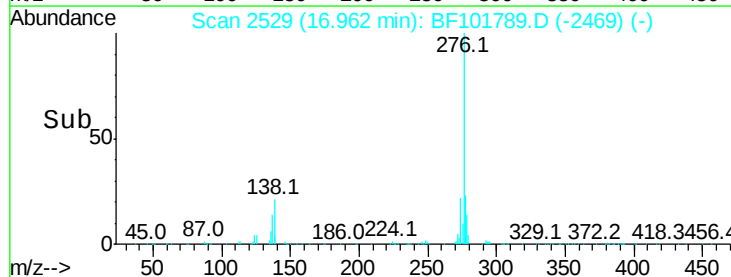
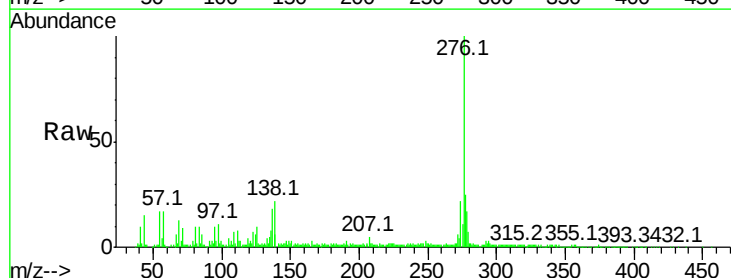
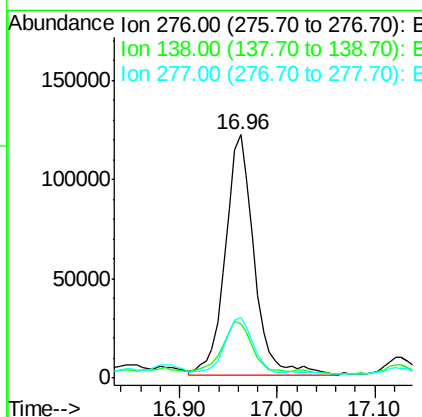
Manual Integrations
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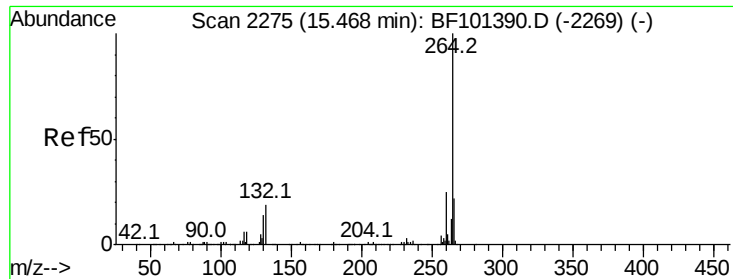
Sohil
12/28/2017 2:03:27 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 21.158 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.05 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	25.0	37.6#
277	22.7	20.1	30.1





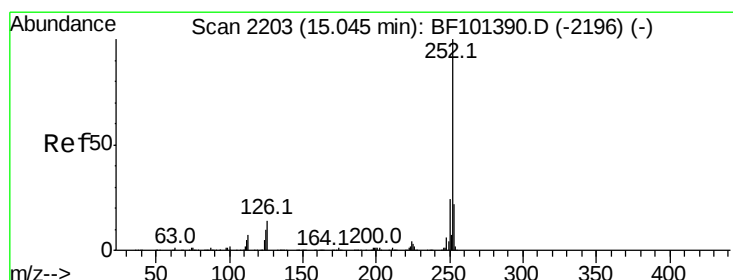
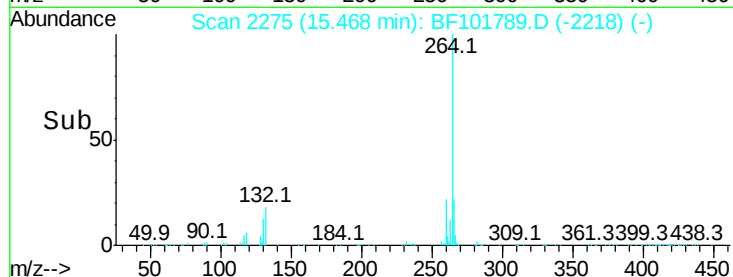
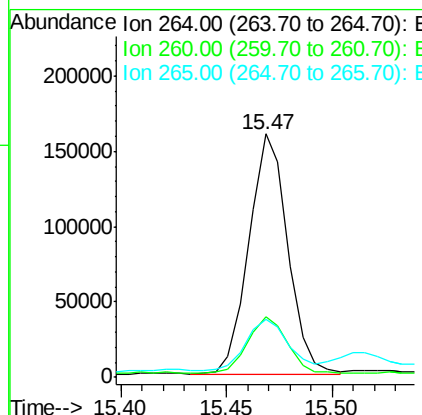
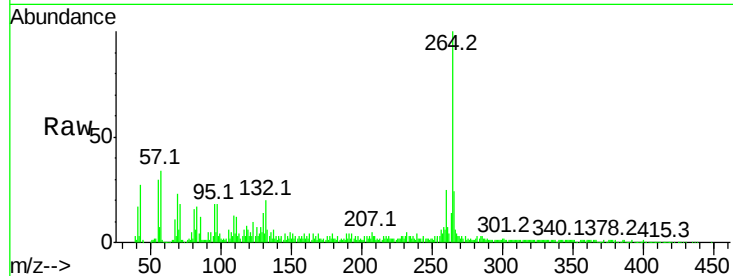
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.04 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	24.0	17.5	26.3

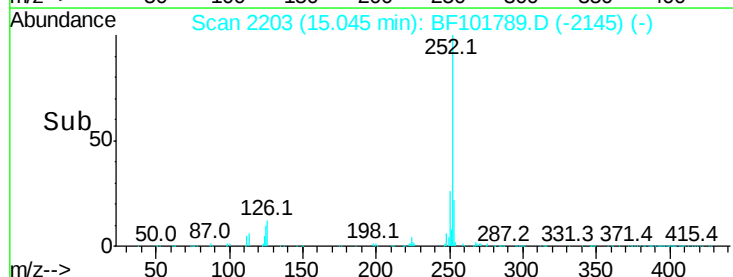
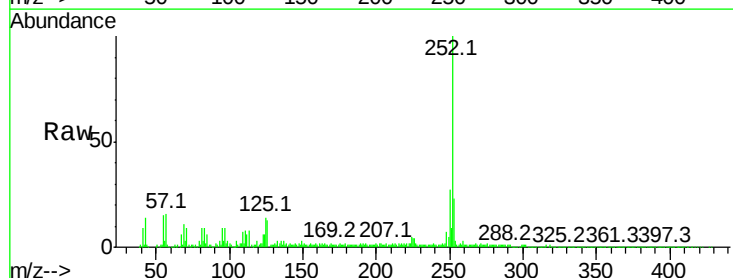
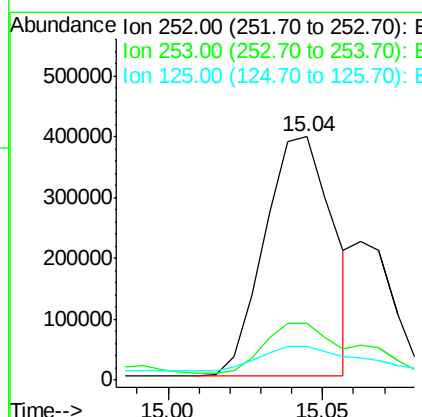
Manual Integrations
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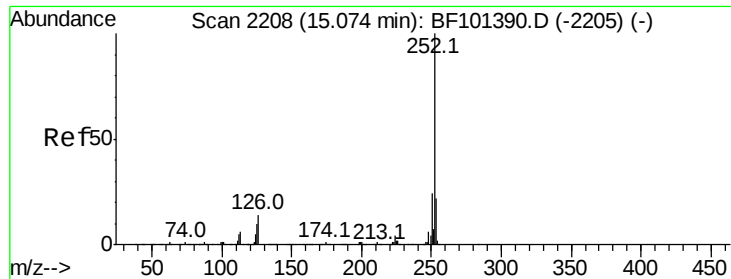
Sohil
12/28/2017 2:03:27 PM



#87
Benzo(b)fluoranthene
Concen: 49.047 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.04 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	14.1	9.0	13.6





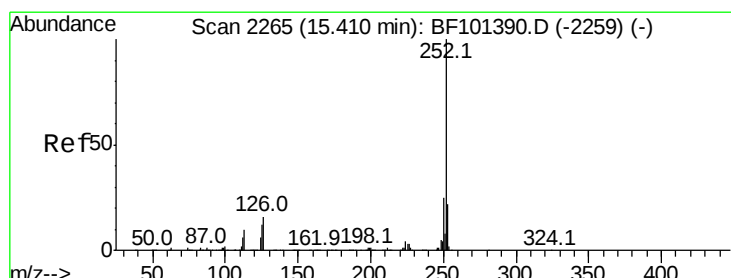
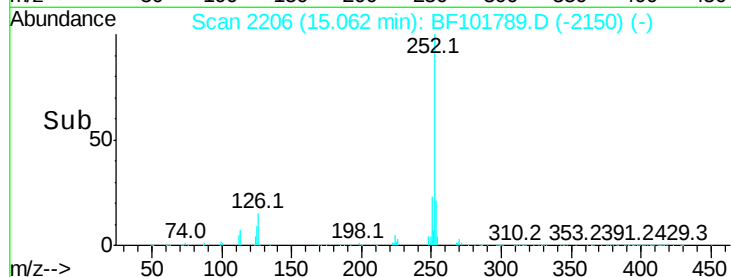
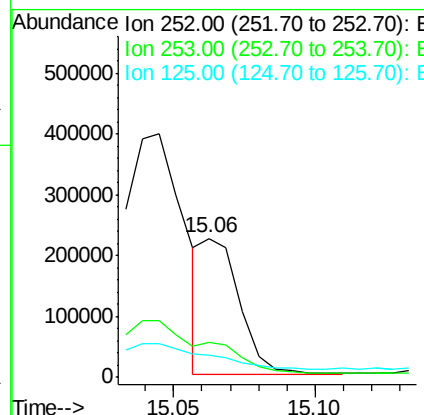
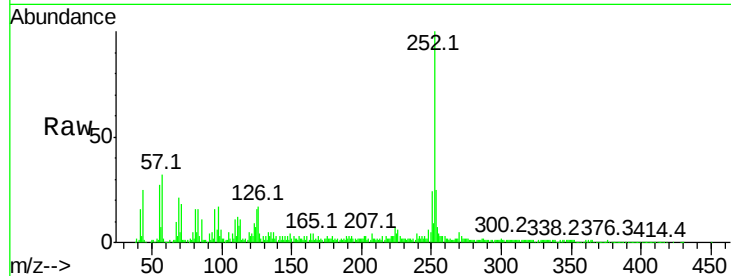
#88
Benzo(k)fluoranthene
Concen: 17.145 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.03 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	15.8	10.2	15.2

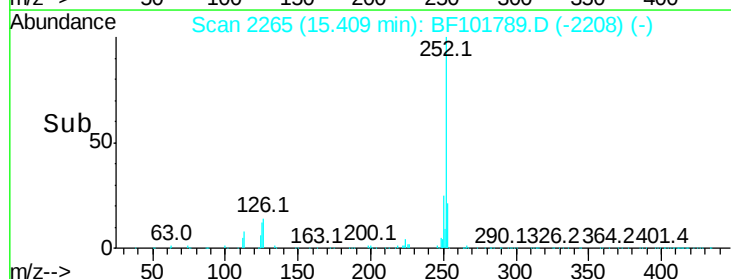
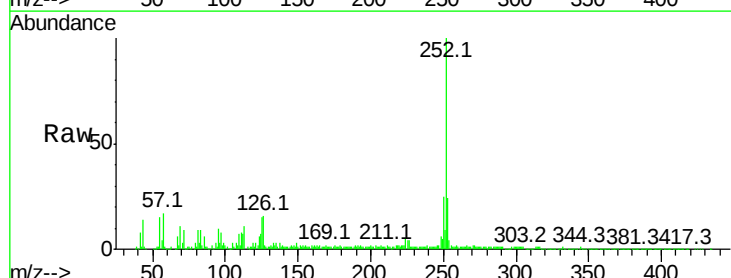
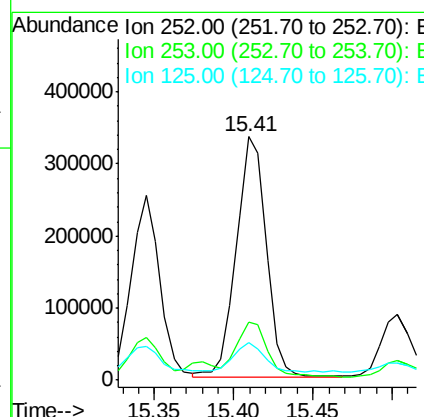
Manual Integrations
APPROVED

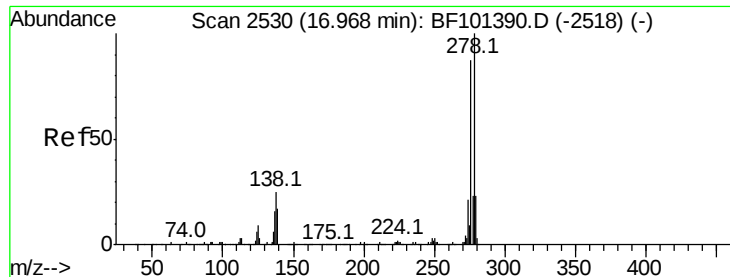
Sohil
12/28/2017 2:03:27 PM



#89
Benzo(a)pyrene
Concen: 38.002 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.04 min
Lab File: BF101789.D
Acq: 28 Dec 2017 4:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	15.4	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 7.187 ng

RT: 16.94 min Scan# 2526

Delta R.T. 0.04 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Instrument :

BNA_F

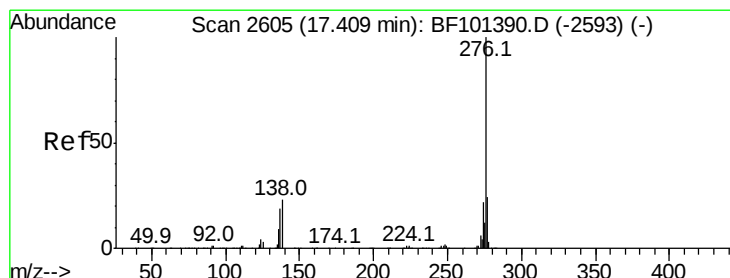
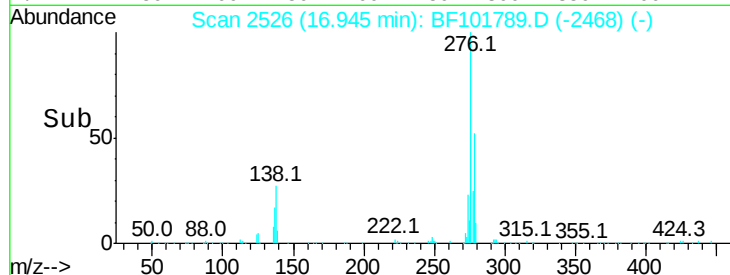
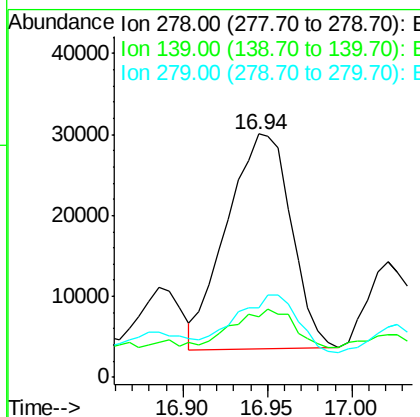
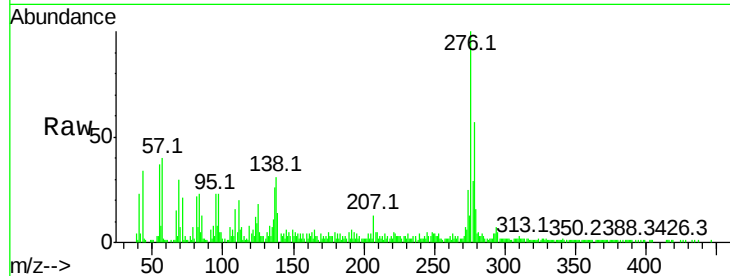
ClientSampleId :

SB-22-COMP

Tot Ion:	278	Resp:	70408
Ion Ratio	Lower	Upper	
278	100		
139	25.1	15.9	23.9#
279	28.8	19.0	28.4#

Manual Integrations
APPROVED

Sohil
12/28/2017 2:03:27 PM



#91

Benzo(g,h,i)perylene

Concen: 22.351 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.06 min

Lab File: BF101789.D

Acq: 28 Dec 2017 4:31

Tgt Ion:	276	Resp:	216835
Ion Ratio	Lower	Upper	
276	100		
277	25.9	17.9	26.9
138	24.2	21.8	32.8

