

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101484.D
 Acq On : 18 Dec 2017 16:53
 Operator : SJ/JU
 Sample : I6877-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
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 12/19/2017 4:49:48 PM

Quant Time: Dec 19 05:55:09 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	187692	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	698767	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	284953	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	436350	20.00	ng	0.00
75) Chrysene-d12	14.00	240	297846	20.00	ng	0.01
86) Perylene-d12	15.47	264	281176	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	211545	16.79	ng	0.00
7) Phenol-d6	6.45	99	709276	45.23	ng	0.00
23) Nitrobenzene-d5	7.37	82	497521	39.63	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	2195	0.80	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	874074	47.58	ng	0.00
78) Terphenyl-d14	12.92	244	589010	47.67	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.46	94	41722	2.334	ng	80
31) Naphthalene	8.11	128	129309	3.676	ng	99
37) 2-Methylnaphthalene	8.80	142	69234	3.021	ng	98
49) Dimethylphthalate	9.56	163	87946	3.837	ng	# 99
51) Acenaphthene	9.88	154	101161	5.513	ng	98
54) Dibenzofuran	10.06	168	85063	3.648	ng	96
57) Fluorene	10.40	166	89292	4.527	ng	98
70) Phenanthrene	11.37	178	923814	38.070	ng	99
71) Anthracene	11.42	178	301034	12.145	ng	99
72) Carbazole	11.57	167	93950	4.048	ng	100
74) Fluoranthene	12.56	202	1322073	51.906	ng	98
77) Pyrene	12.79	202	1257707	56.265	ng	99
80) Benzo(a)anthracene	13.99	228	680961	34.624	ng	99
82) Chrysene	14.02	228	626582	33.743	ng	97
83) Bis(2-ethylhexyl)phthalate	13.94	149	34635	2.704	ng	95
85) Indeno(1,2,3-cd)pyrene	16.96	276	259680	15.704	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	680812m	39.725	ng	
88) Benzo(k)fluoranthene	15.06	252	225561m	13.537	ng	
89) Benzo(a)pyrene	15.41	252	477456	30.221	ng	96
90) Dibenzo(a,h)anthracene	16.95	278	70002	5.161	ng	# 91
91) Benzo(g,h,i)perylene	17.40	276	245921	18.308	ng	96

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

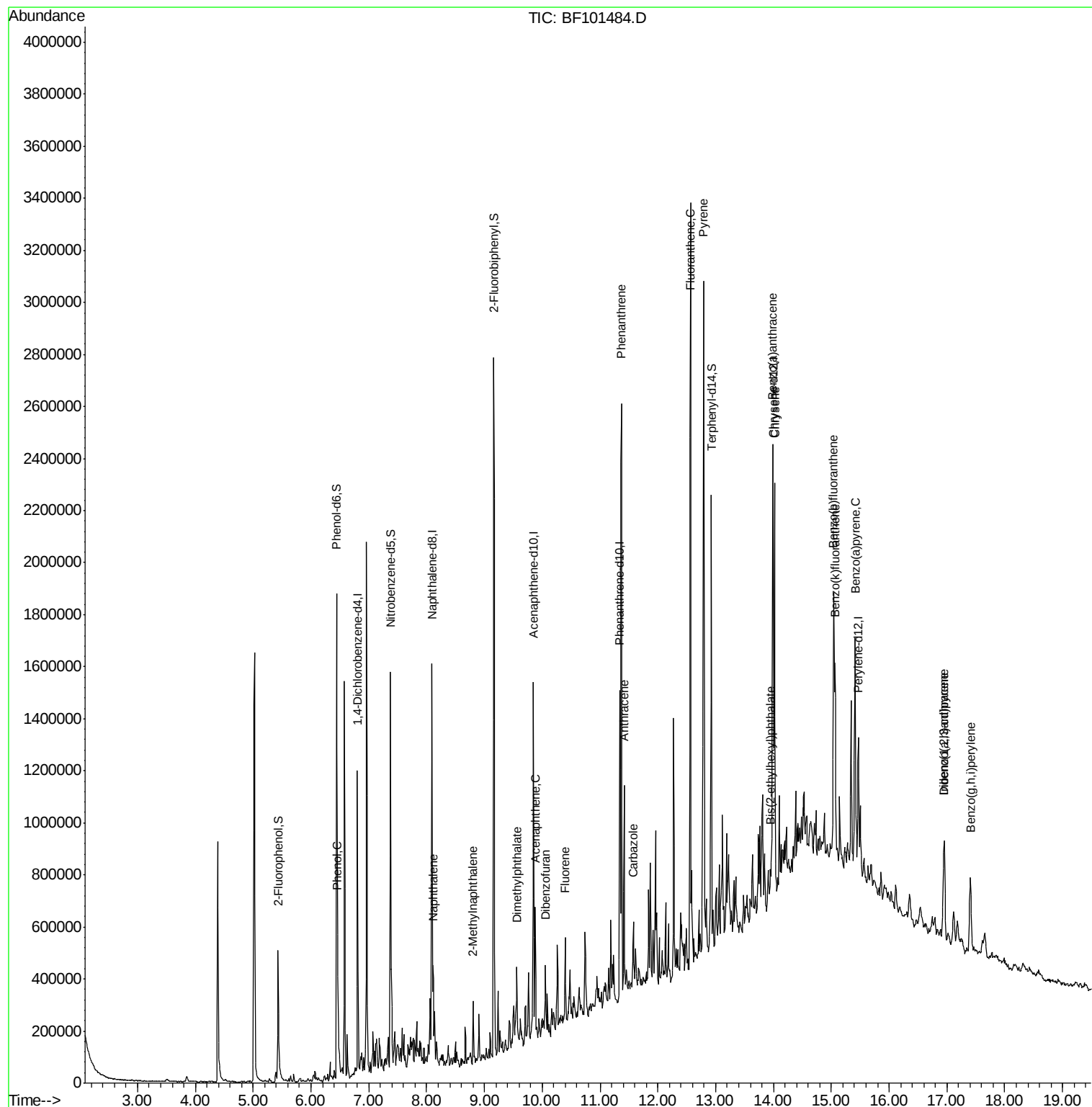
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101484.D
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Sample : I6877-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

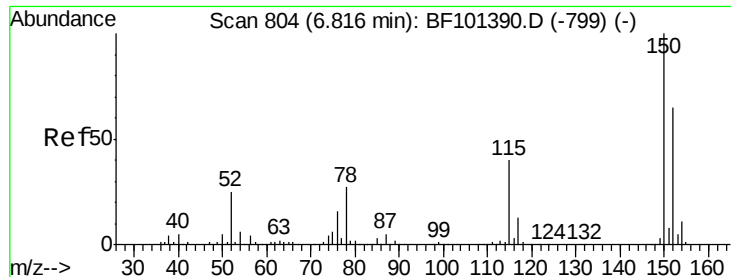
Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

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Quant Time: Dec 19 05:55:09 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

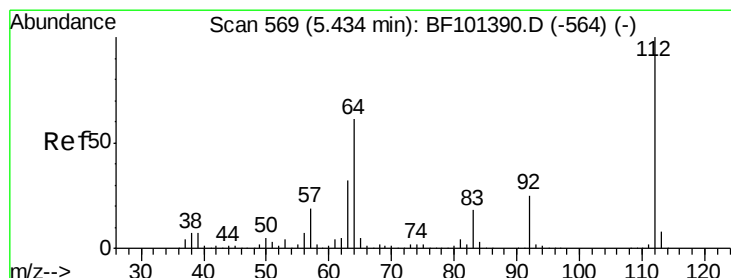
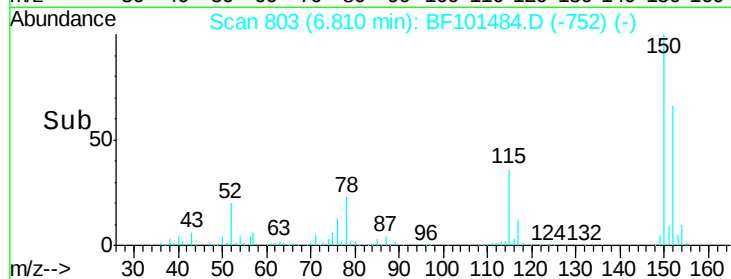
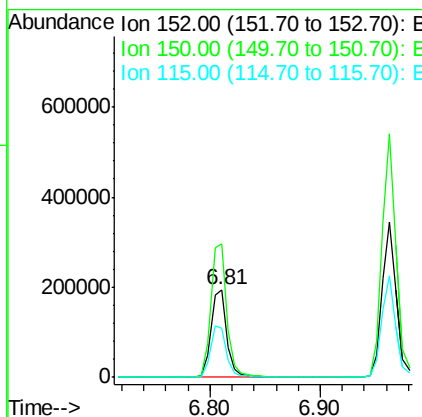
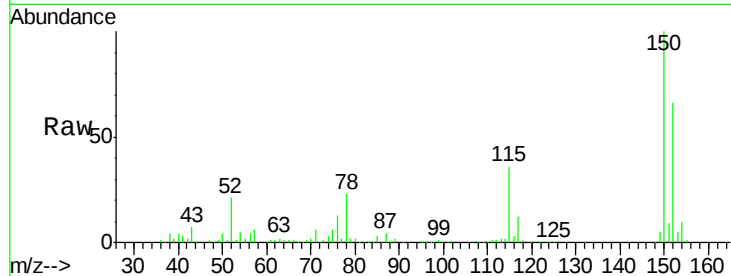
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	124.6	186.8
115	55.5	50.1	75.1

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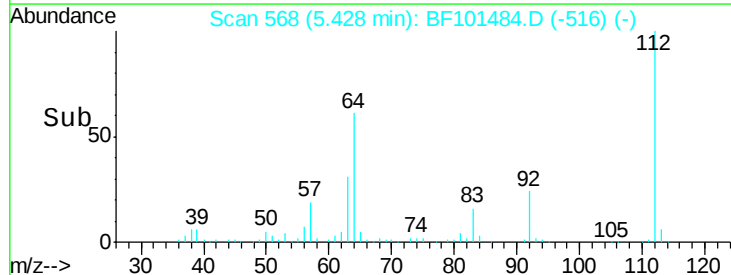
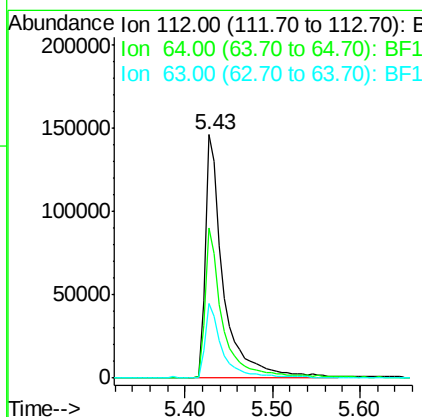
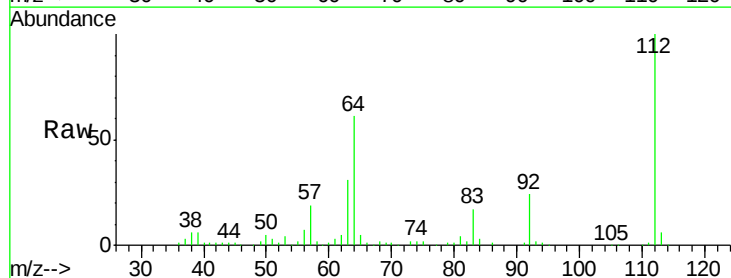
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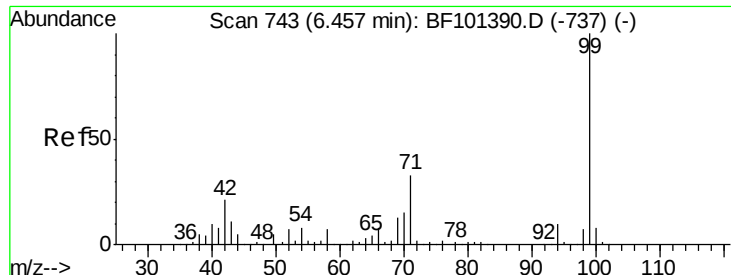


#5

2-Fluorophenol
Concen: 16.789 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.9	71.9
63	30.7	23.7	35.5





#7

Phenol-d6

Concen: 45.230 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Instrument :

BNA_F

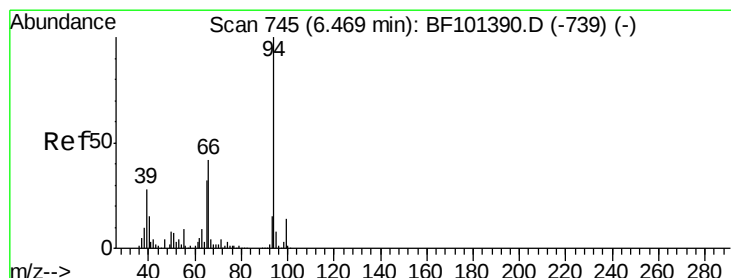
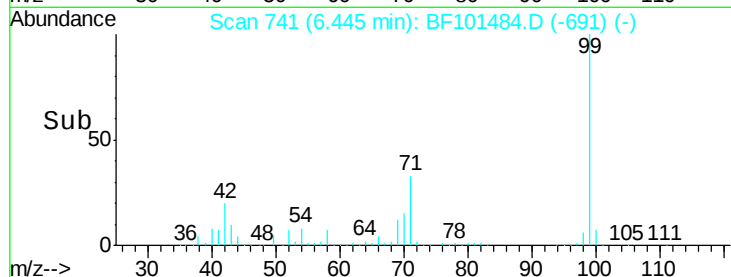
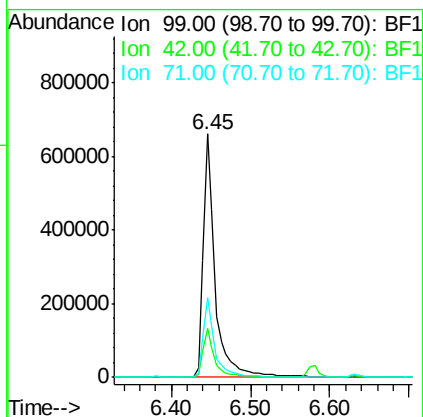
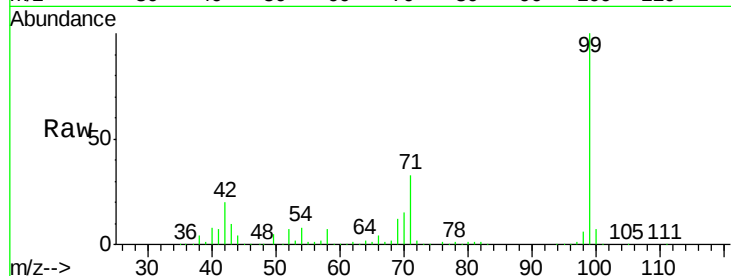
ClientSampleId :

SB-7(0-2)

Tgt Ion:	99	Resp:	709276
Ion Ratio	Lower	Upper	
99	100		
42	20.3	14.5	21.7
71	32.6	25.4	38.0

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#10

Phenol

Concen: 2.334 ng

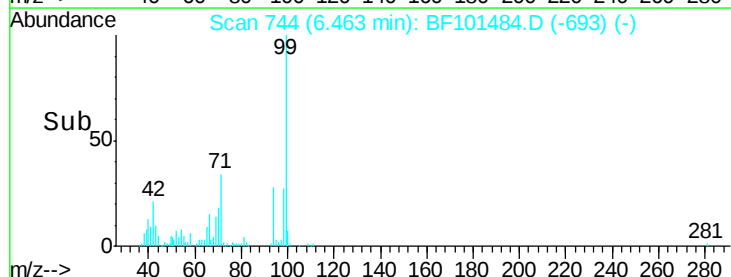
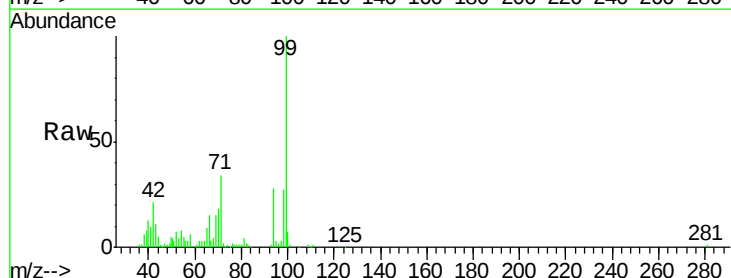
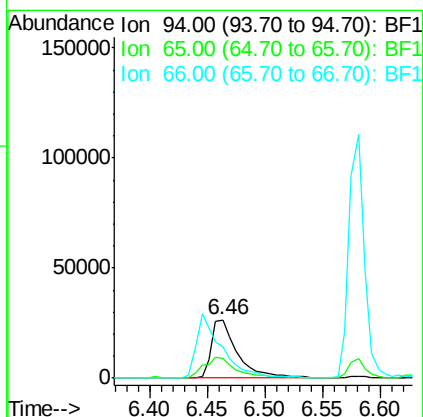
RT: 6.46 min Scan# 744

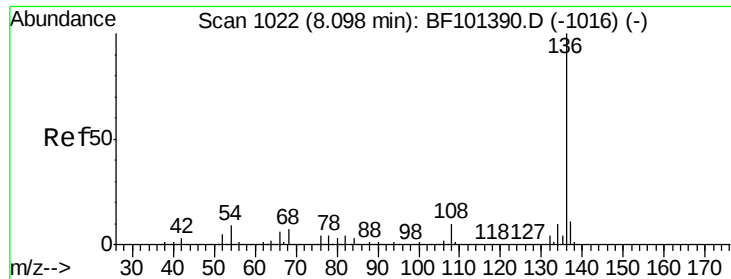
Delta R.T. 0.00 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Tgt Ion:	94	Resp:	41722
Ion Ratio	Lower	Upper	
94	100		
65	33.3	7.9	47.9
66	52.6	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: BF101484.D

Acq: 18 Dec 2017 16:53

Instrument :

BNA_F

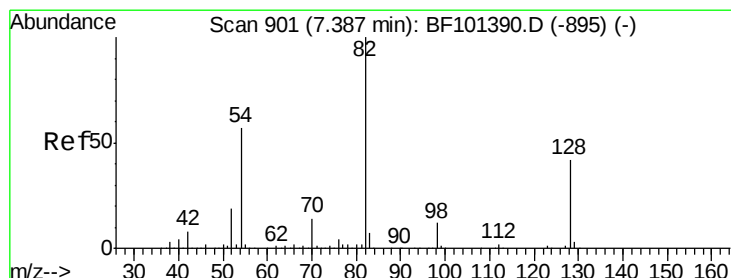
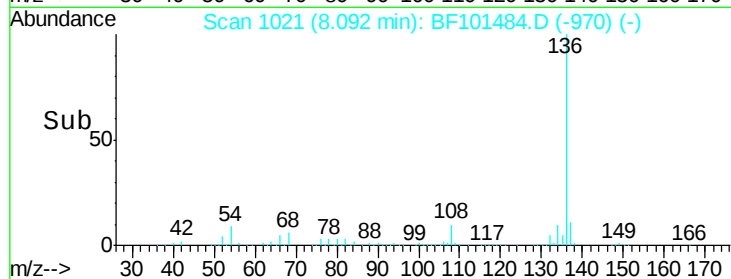
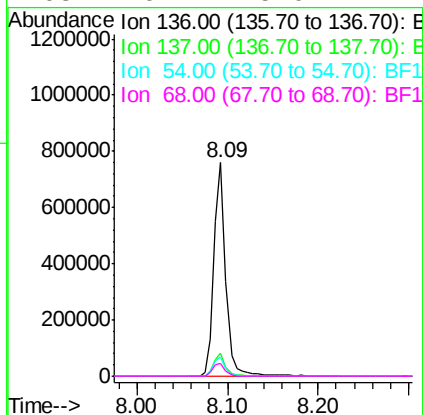
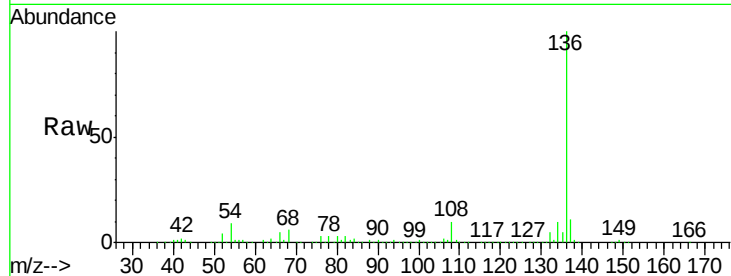
ClientSampleId :

SB-7(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	698767		
137	10.9	8.9	13.3	
54	8.7	6.6	9.8	
68	6.1	5.0	7.4	

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#23

Nitrobenzene-d5

Concen: 39.634 ng

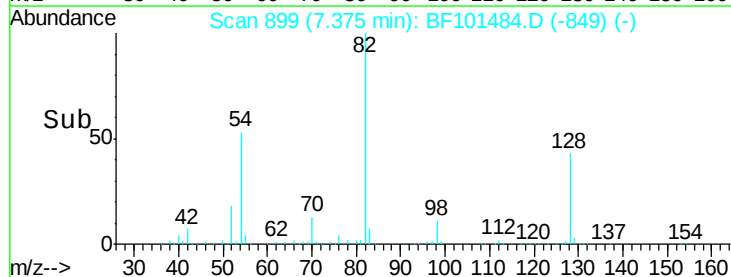
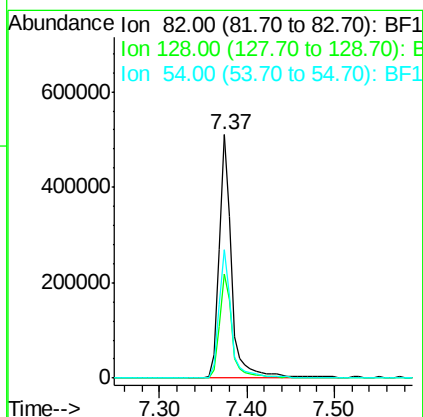
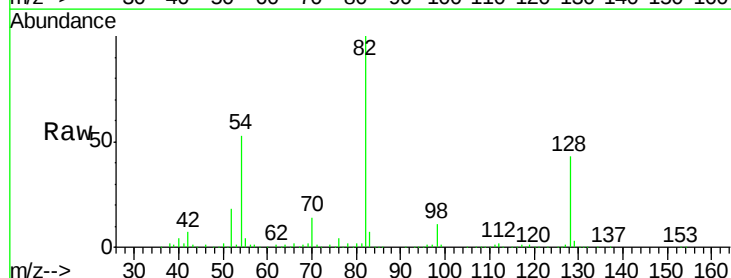
RT: 7.37 min Scan# 899

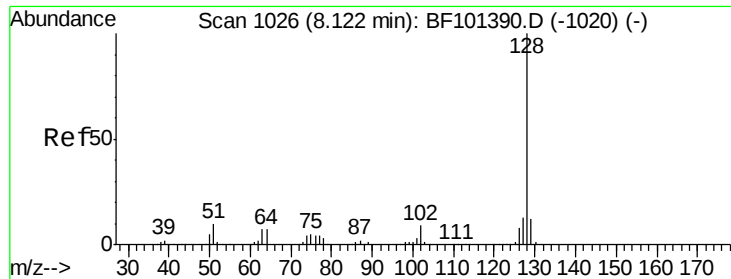
Delta R.T. -0.01 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	497521		
128	42.9	36.1	54.1	
54	52.9	41.4	62.2	





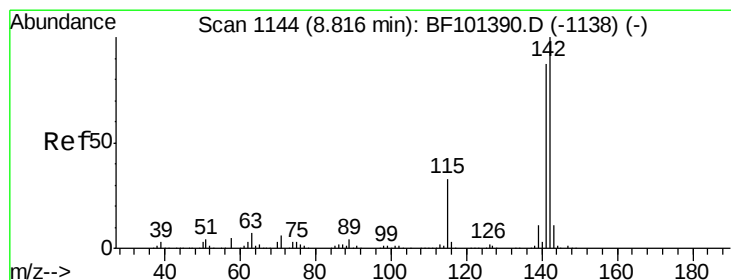
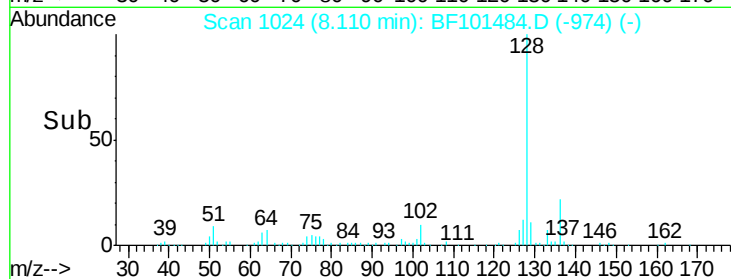
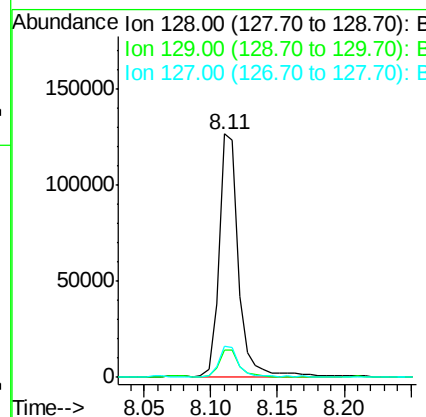
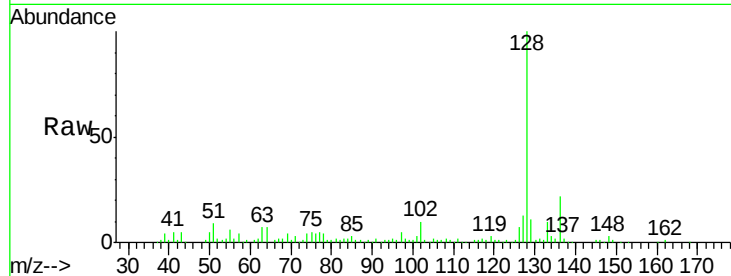
#31
Naphthalene
Concen: 3.676 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

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

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	129309		
129	11.4	8.8	13.2	
127	12.9	10.9	16.3	

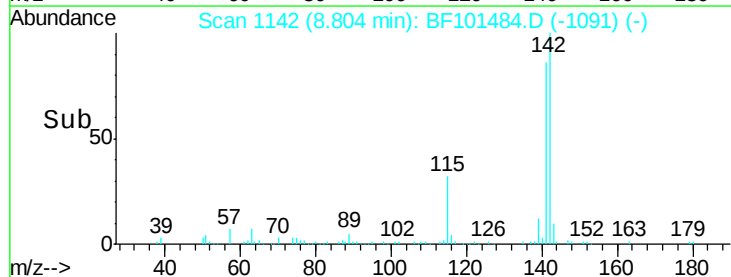
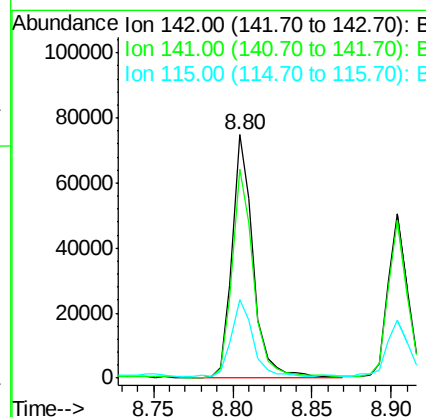
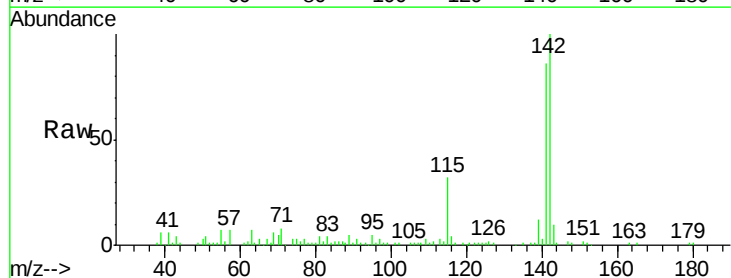
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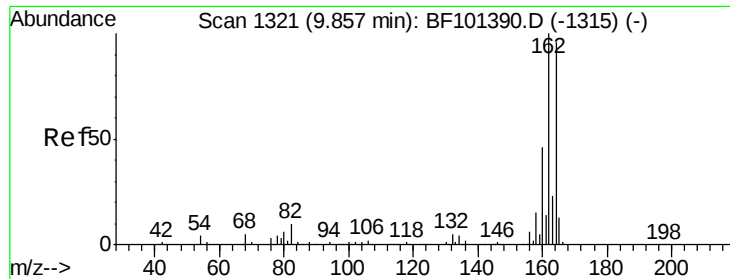
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#37
2-Methylnaphthalene
Concen: 3.021 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	69234		
141	86.1	70.8	106.2	
115	32.0	26.1	39.1	





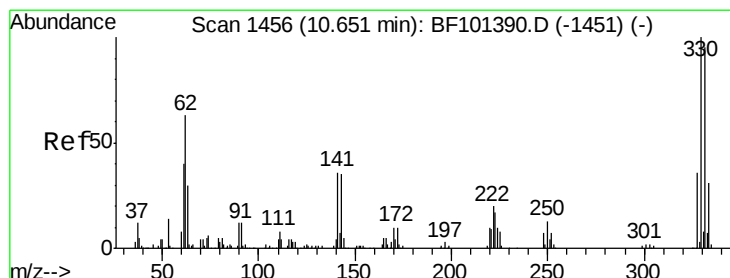
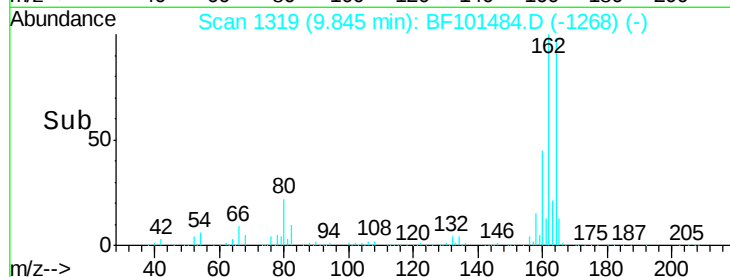
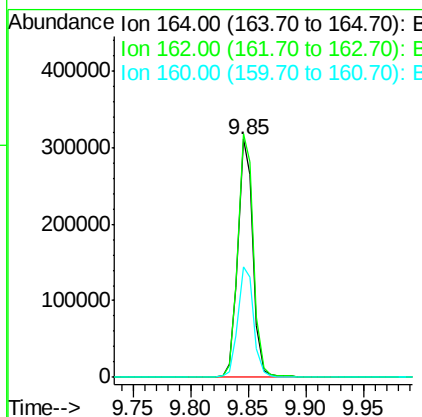
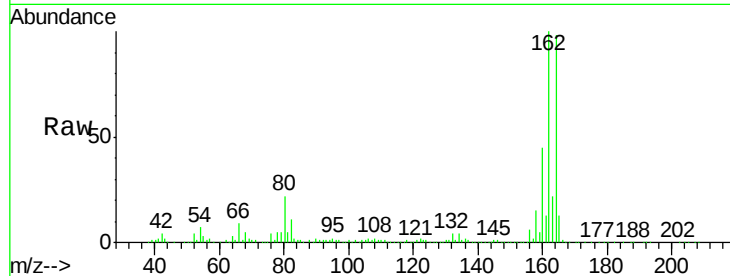
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Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

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

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	284953		
162	102.2	86.1	129.1	
160	46.3	38.3	57.5	

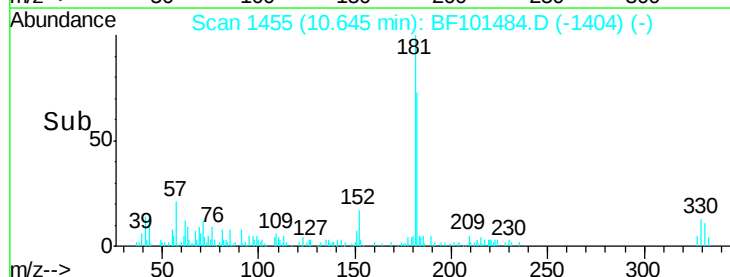
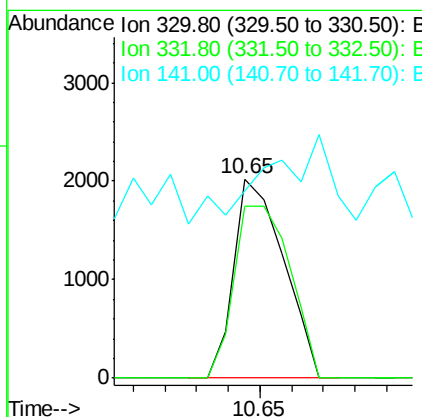
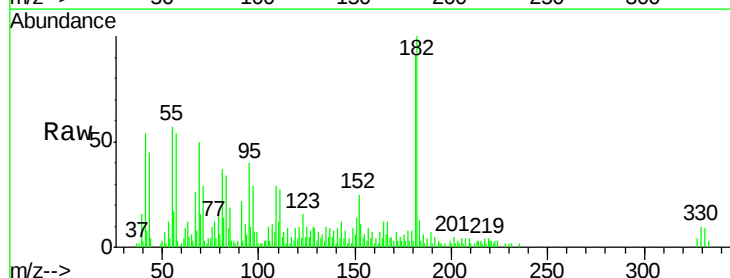
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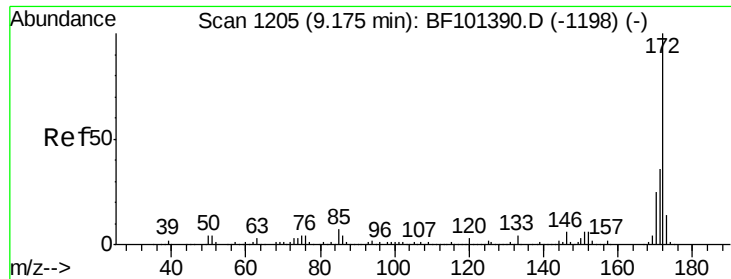
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#41
2,4,6-Tribromophenol
Concen: 0.799 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	2195		
332	97.9	77.0	115.6	
141	0.0	29.9	44.9#	





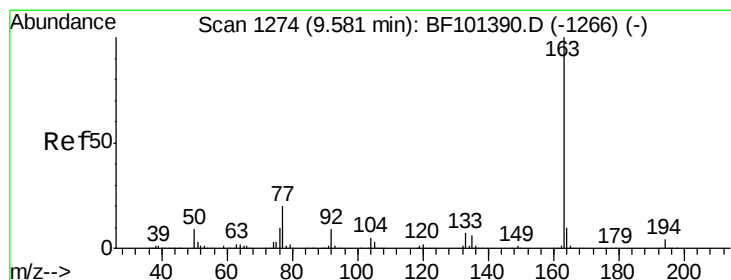
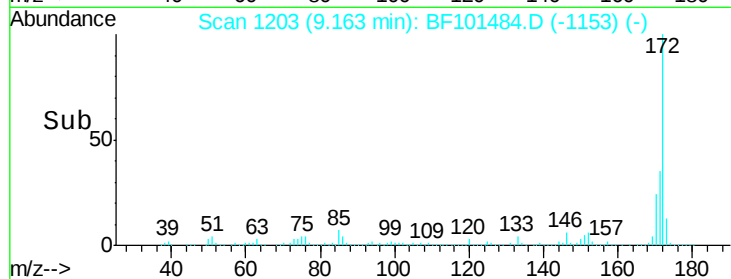
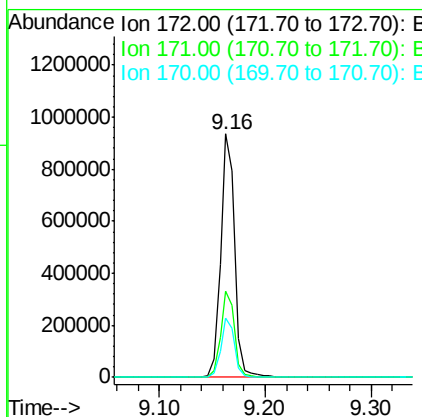
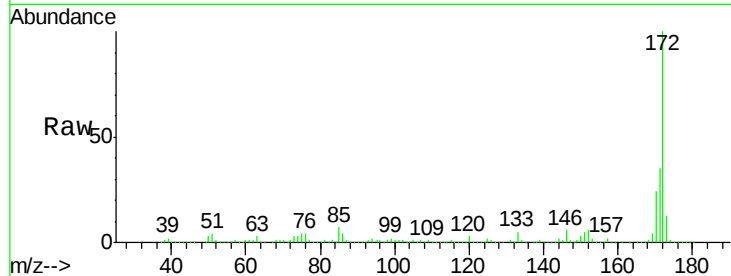
#44
2-Fluorobiphenyl
Concen: 47.583 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

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

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	874074		
171	35.2		29.7	44.5
170	24.1		19.6	29.4

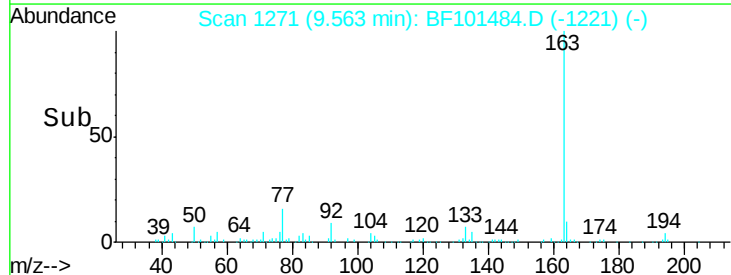
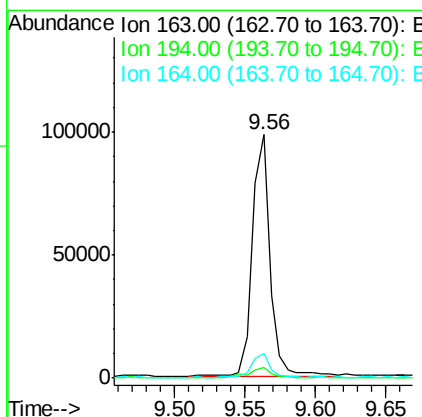
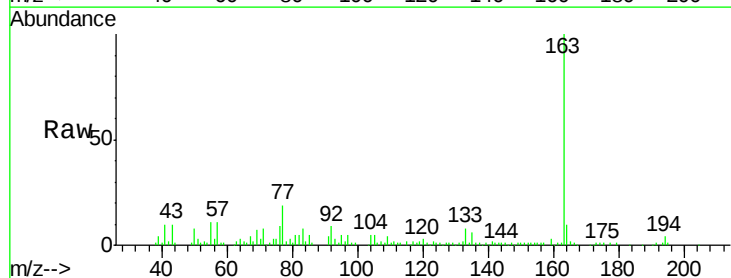
Manual Integrations
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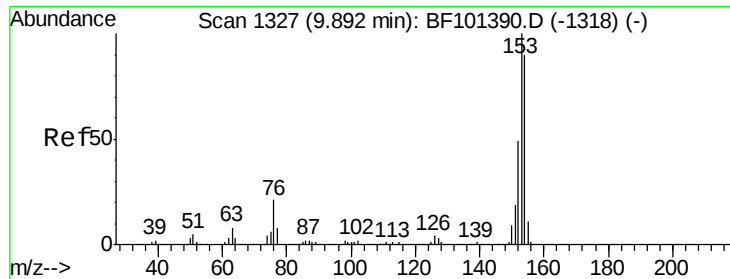
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#49
Dimethylphthalate
Concen: 3.837 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	87946		
194	4.4		2.7	4.1#
164	10.0		8.2	12.2





#51

Acenaphthene

Concen: 5.513 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Instrument :

BNA_F

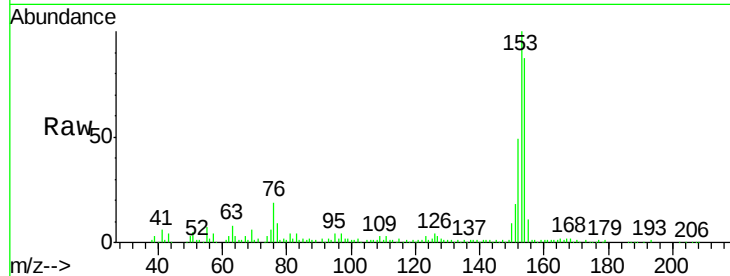
ClientSampleId :

SB-7(0-2)

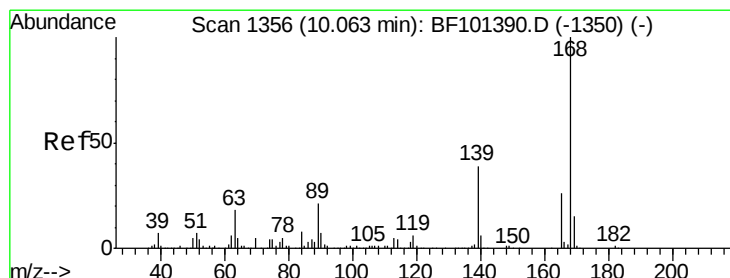
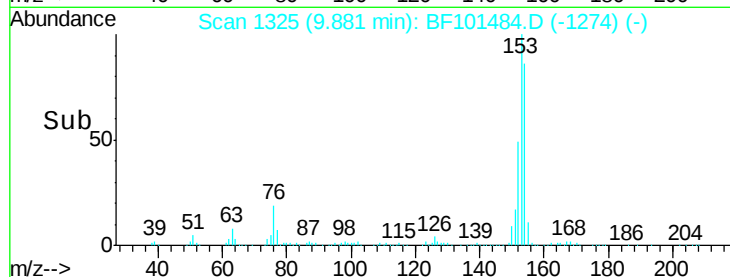
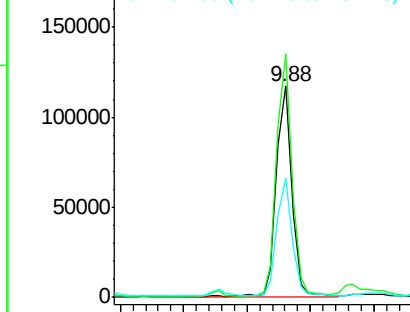
Tgt Ion:	154	Resp:	101161
Ion Ratio	Lower	Upper	
154	100		
153	115.4	91.2	136.8
152	56.5	43.8	65.8

Manual Integrations
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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: 3.648 ng

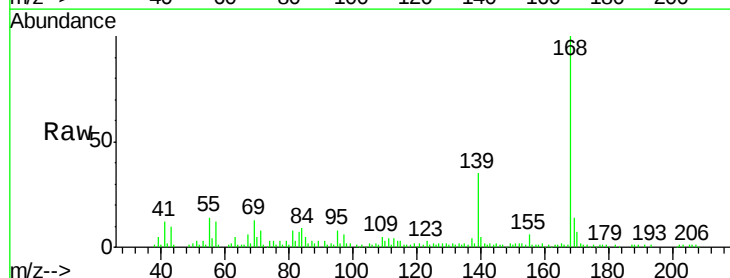
RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

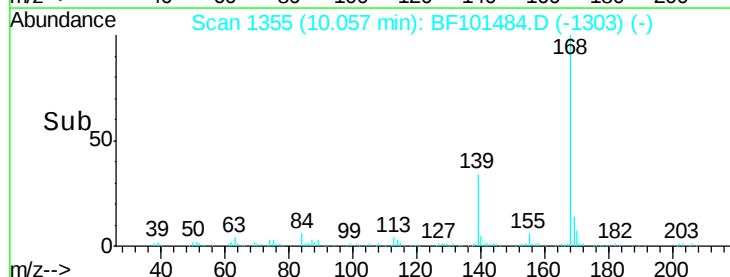
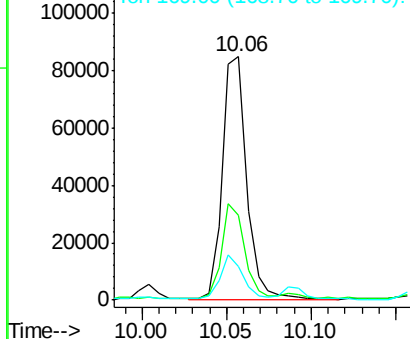
Lab File: BF101484.D

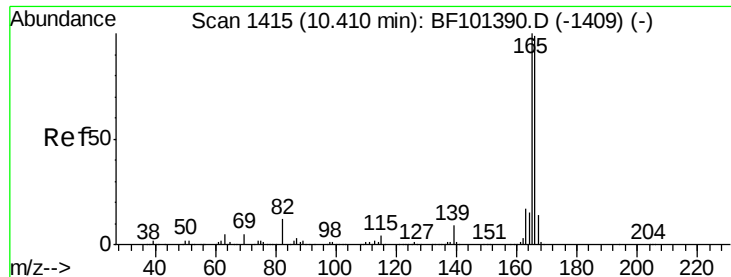
Acq: 18 Dec 2017 16:53

Tgt Ion:	168	Resp:	85063
Ion Ratio	Lower	Upper	
168	100		
139	34.7	30.1	45.1
169	13.6	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





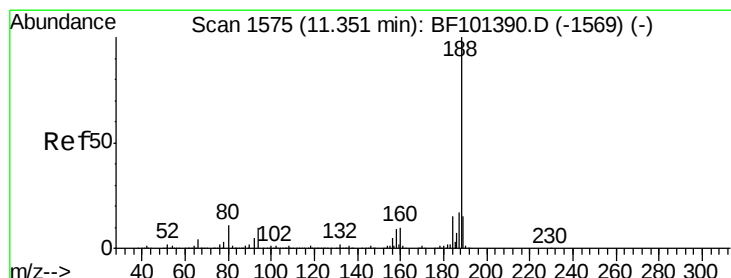
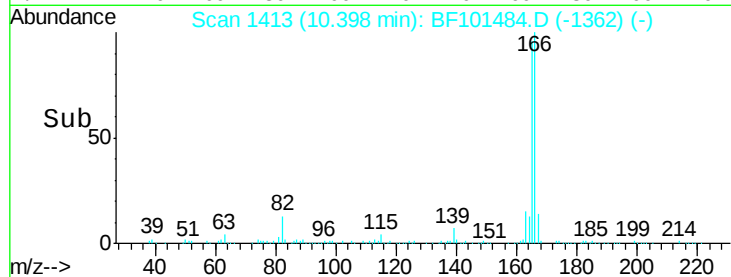
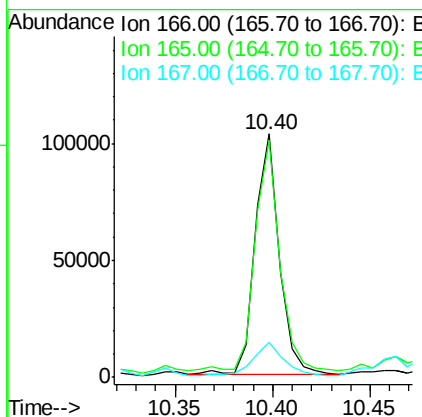
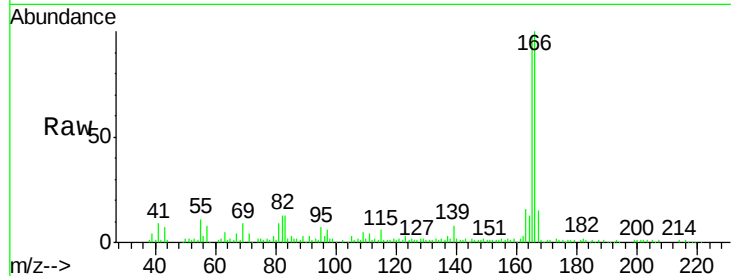
#57
 Fluorene
 Concen: 4.527 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: BF101484.D
 Acq: 18 Dec 2017 16:53

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

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	89292		
165	97.6	79.8	119.8	
167	14.6	10.6	16.0	

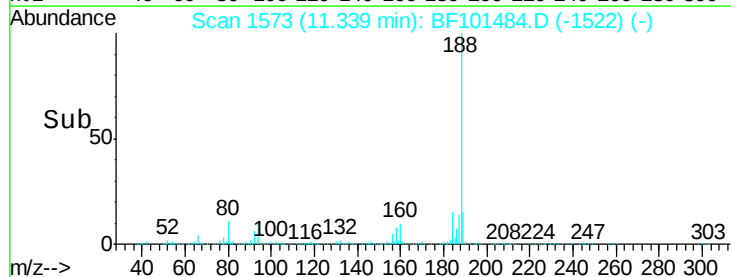
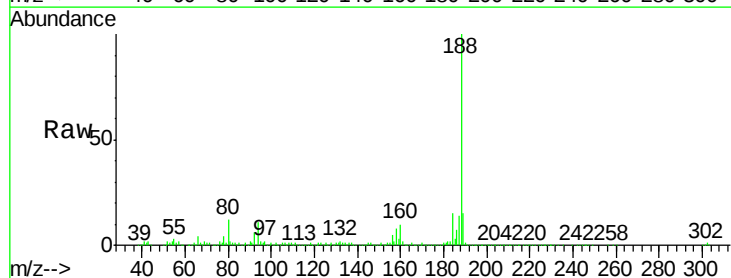
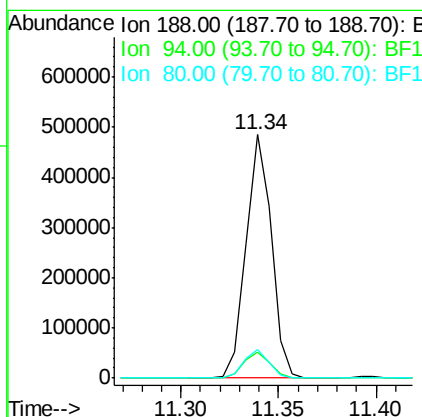
Manual Integrations
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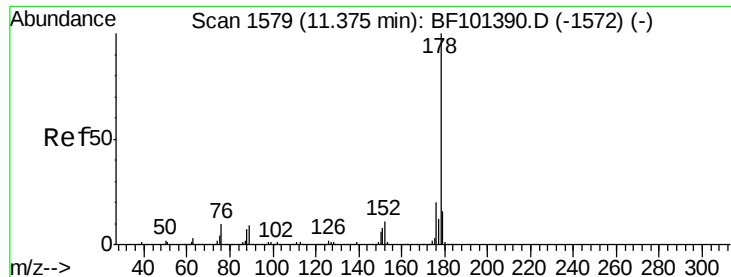
Sohil
 12/19/2017 4:49:48 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF101484.D
 Acq: 18 Dec 2017 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	436350		
94	10.6	8.5	12.7	
80	11.5	9.2	13.8	





#70

Phenanthrene

Concen: 38.070 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.01 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Instrument :

BNA_F

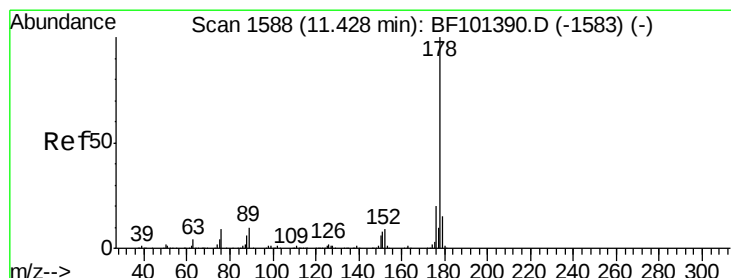
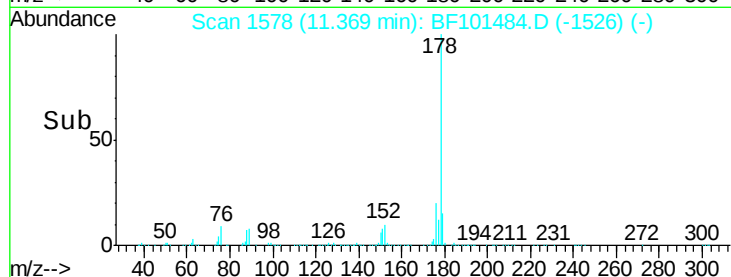
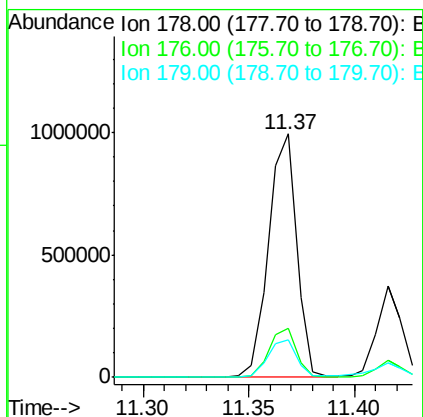
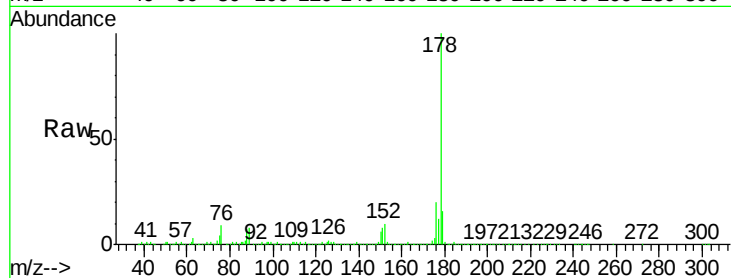
ClientSampleId :

SB-7(0-2)

Tgt Ion:	178	Resp:	923814
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.8	23.8
179	15.6	13.0	19.6

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#71

Anthracene

Concen: 12.145 ng

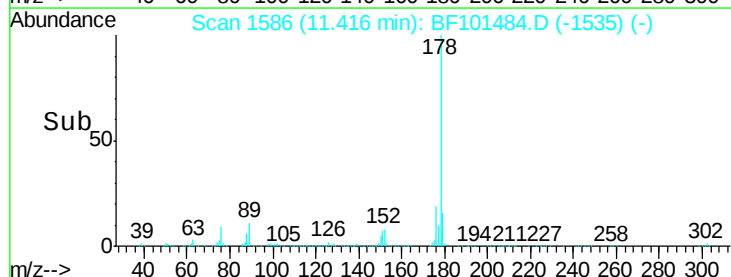
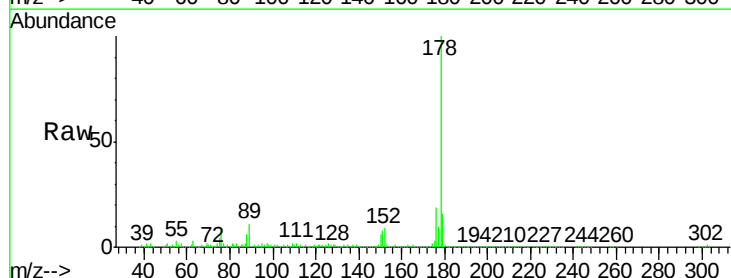
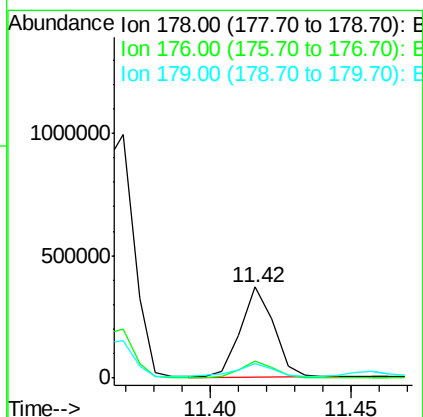
RT: 11.42 min Scan# 1586

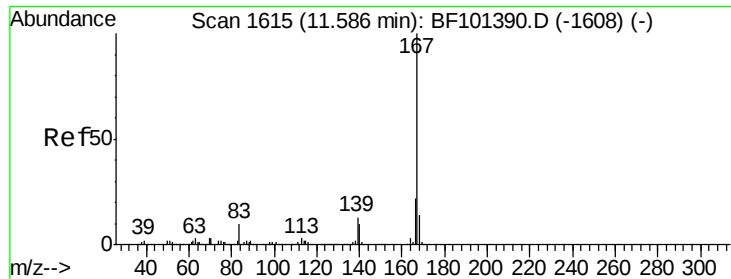
Delta R.T. 0.00 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Tgt Ion:	178	Resp:	301034
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.2
179	16.4	12.6	19.0





#72

Carbazole

Concen: 4.048 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.00 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Instrument :

BNA_F

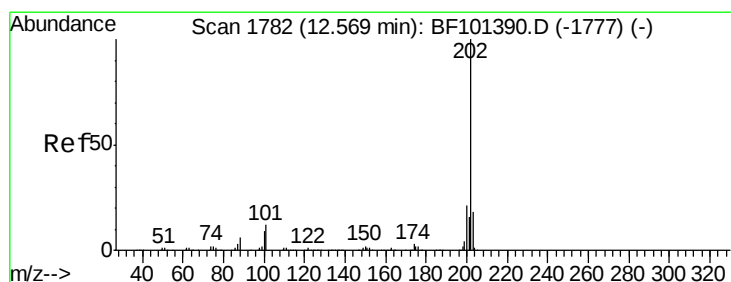
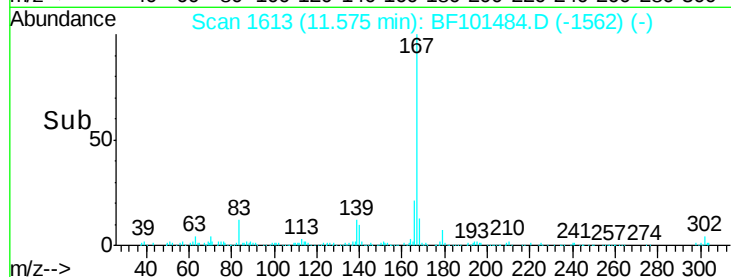
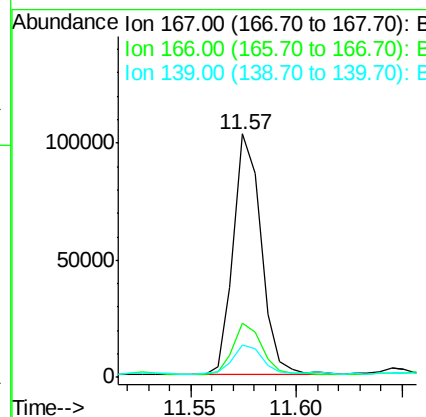
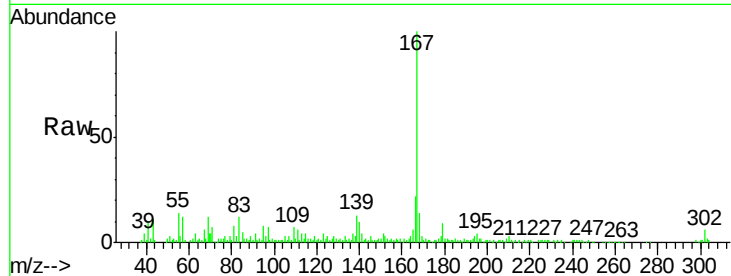
ClientSampleId :

SB-7(0-2)

Tgt Ion:	167	Resp:	93950
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	13.4	10.9	16.3

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#74

Fluoranthene

Concen: 51.906 ng

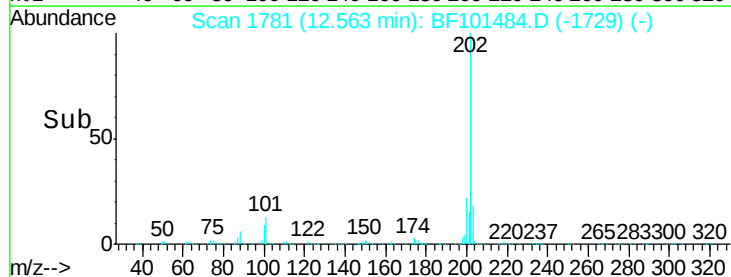
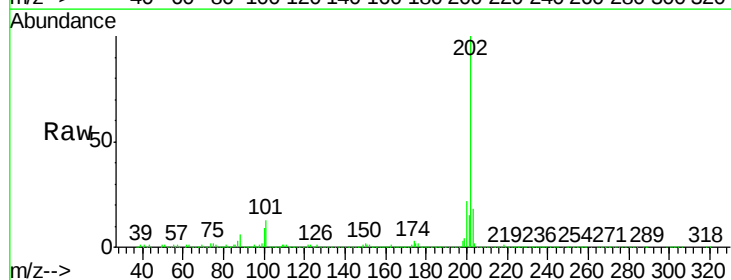
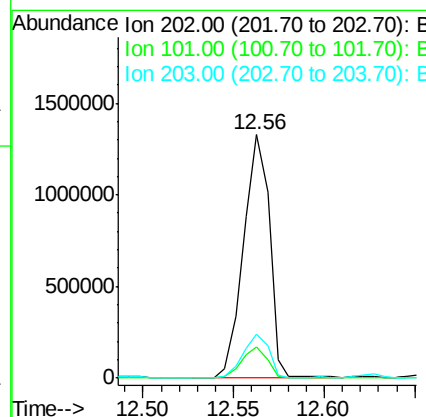
RT: 12.56 min Scan# 1781

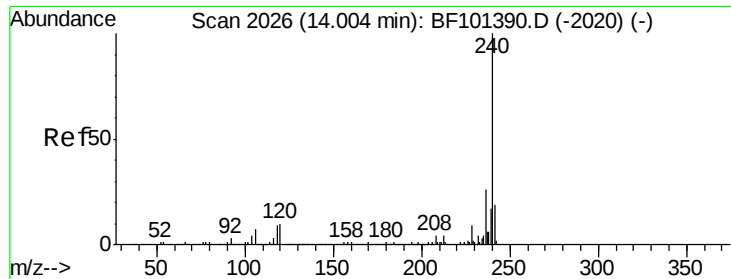
Delta R.T. 0.01 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Tgt Ion:	202	Resp:	1322073
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Instrument :

BNA_F

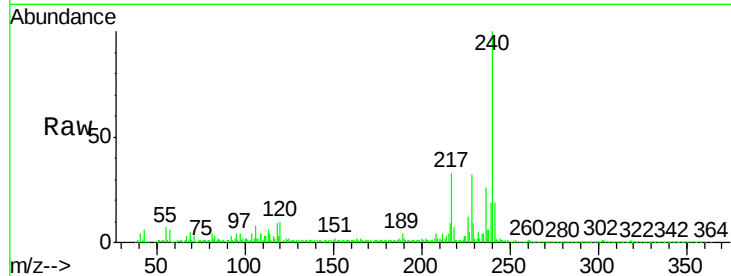
ClientSampleId :

SB-7(0-2)

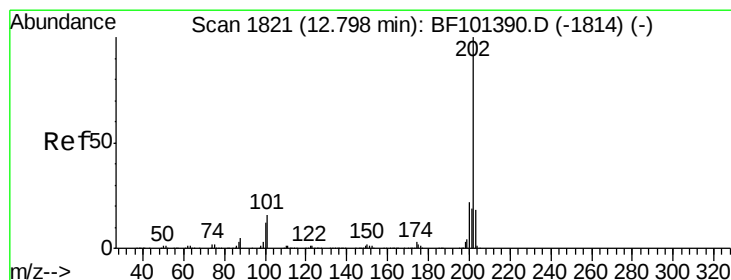
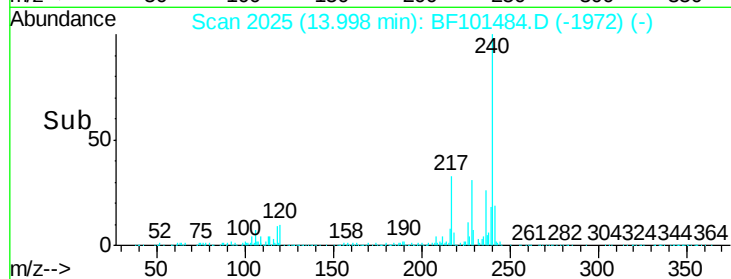
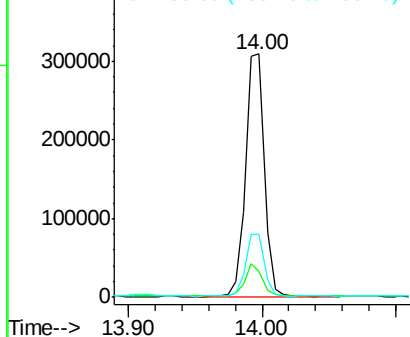
Tgt Ion:	240	Resp:	297846
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.5	14.3
236	26.1	20.7	31.1

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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

Pyrene

Concen: 56.265 ng

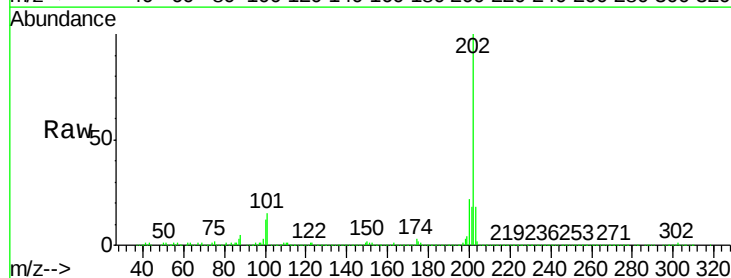
RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

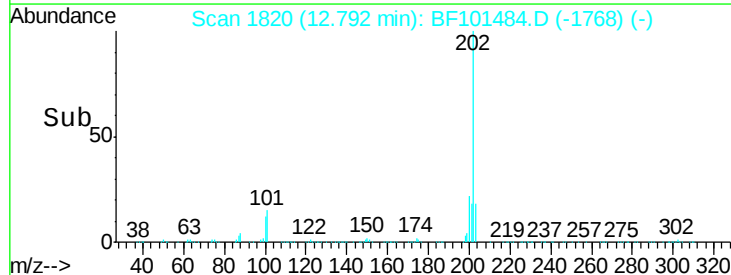
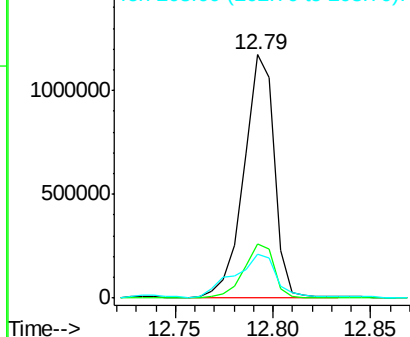
Lab File: BF101484.D

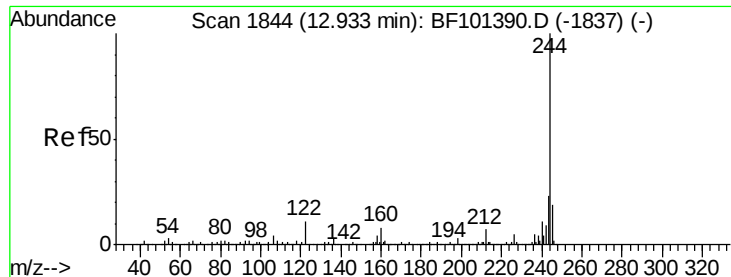
Acq: 18 Dec 2017 16:53

Tgt Ion:	202	Resp:	1257707
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.4	26.2
203	18.1	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 47.675 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Instrument :

BNA_F

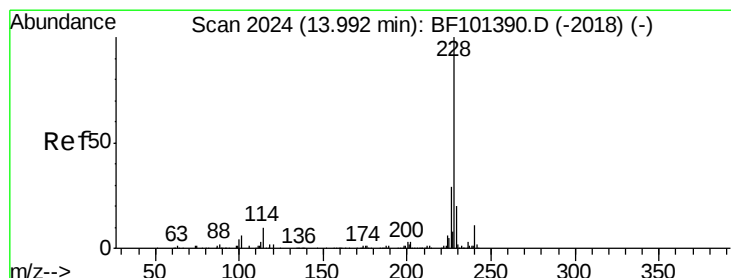
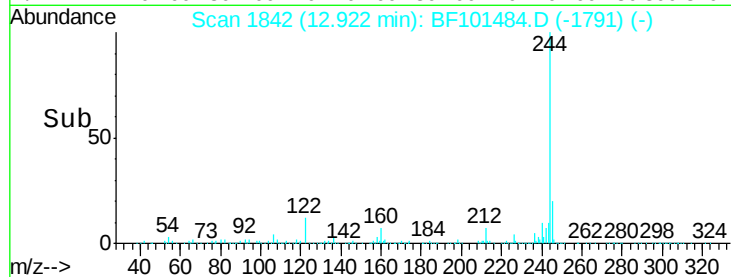
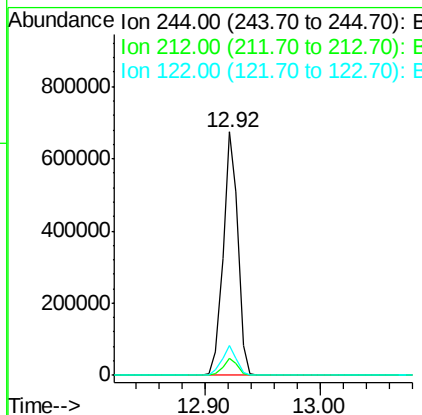
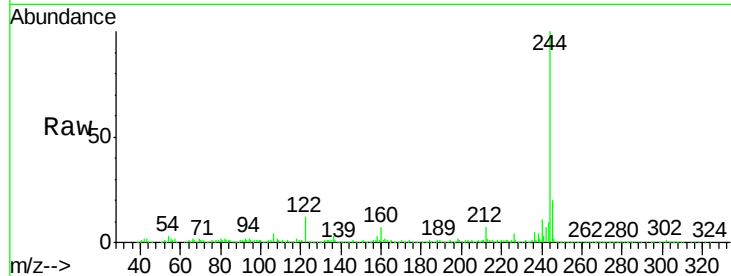
ClientSampleId :

SB-7(0-2)

Tgt Ion:	244	Resp:	589010
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 34.624 ng

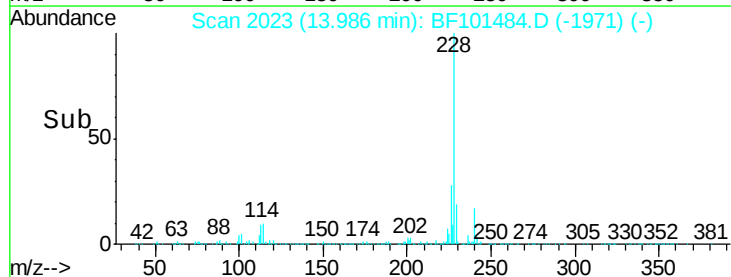
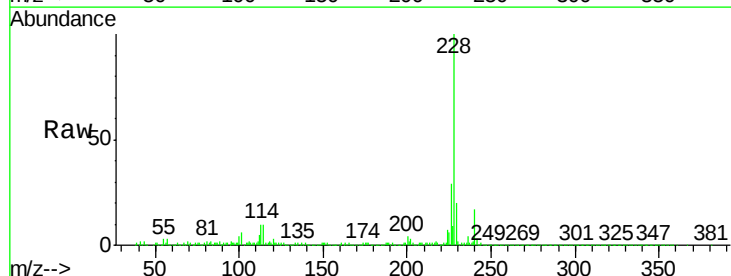
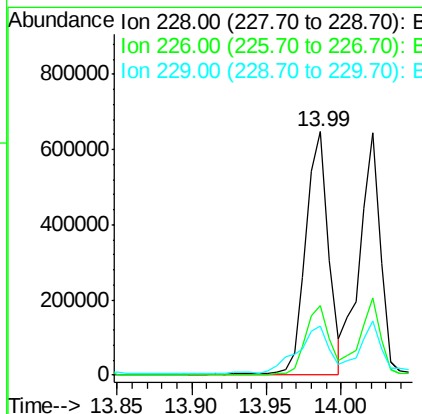
RT: 13.99 min Scan# 2023

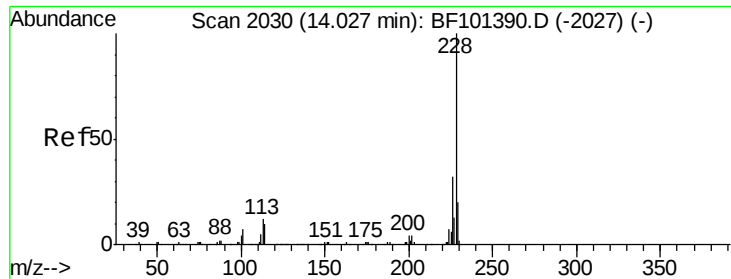
Delta R.T. 0.01 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Tgt Ion:	228	Resp:	680961
Ion Ratio		Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.1	15.8	23.6





#82

Chrysene

Concen: 33.743 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Instrument :

BNA_F

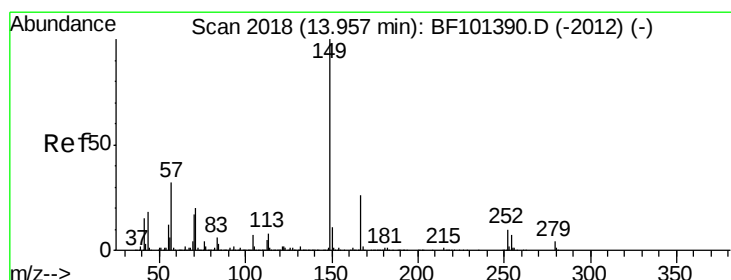
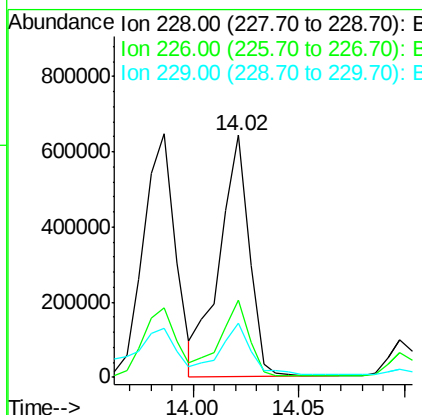
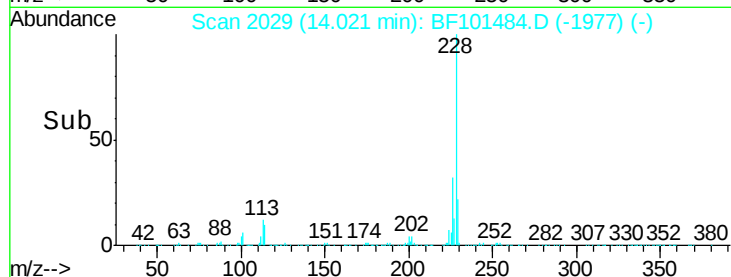
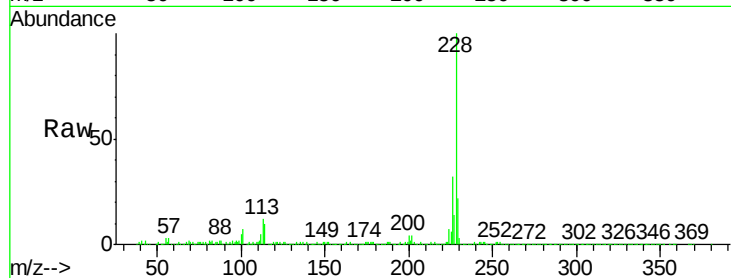
ClientSampleId :

SB-7(0-2)

Tgt Ion:	228	Resp:	626582
Ion Ratio	Lower	Upper	
228	100		
226	31.9	25.0	37.6
229	22.4	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.704 ng

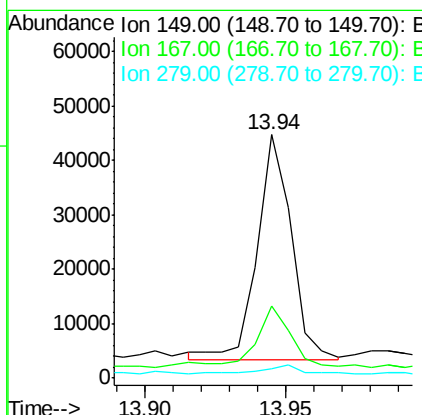
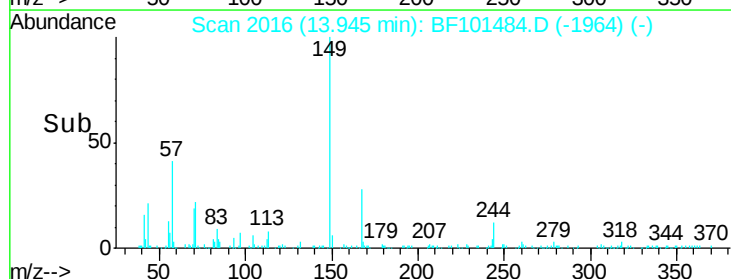
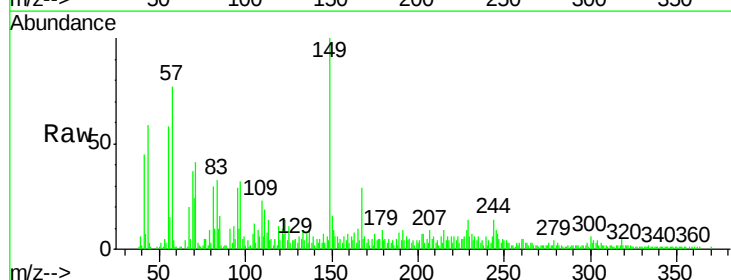
RT: 13.94 min Scan# 2016

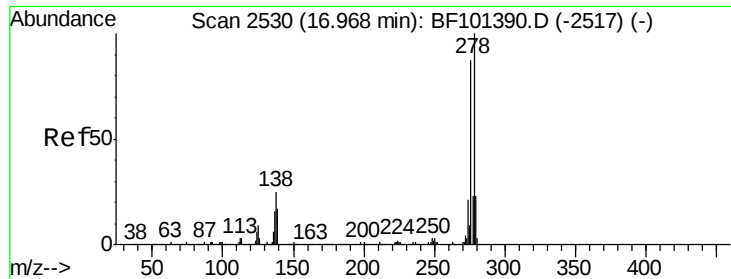
Delta R.T. 0.01 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Tgt Ion:	149	Resp:	34635
Ion Ratio	Lower	Upper	
149	100		
167	29.4	21.3	31.9
279	4.1	3.0	4.4





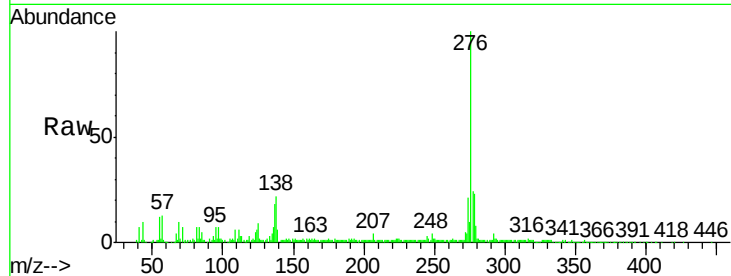
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.704 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.02 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

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

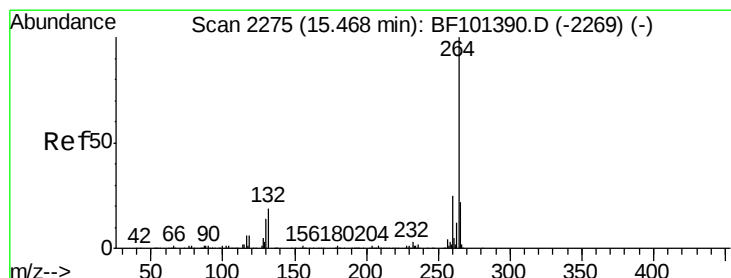
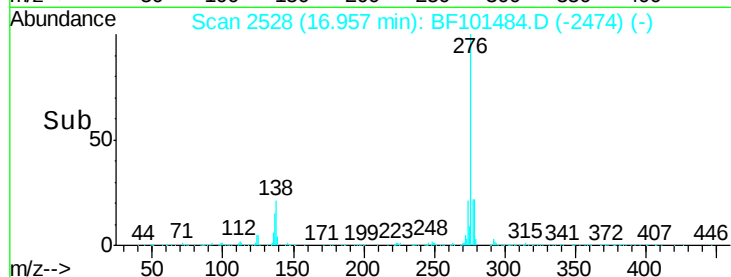
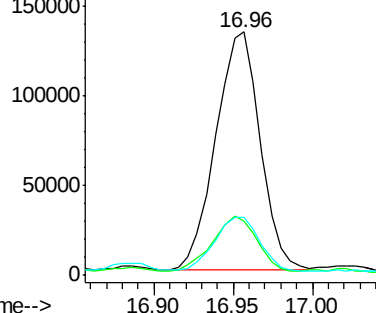
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	259680		
138	23.3	25.0	37.6#	
277	23.8	20.1	30.1	

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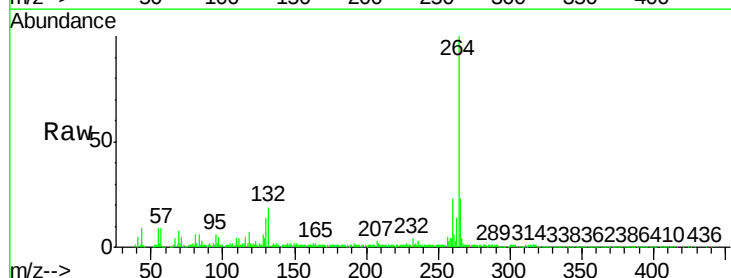


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

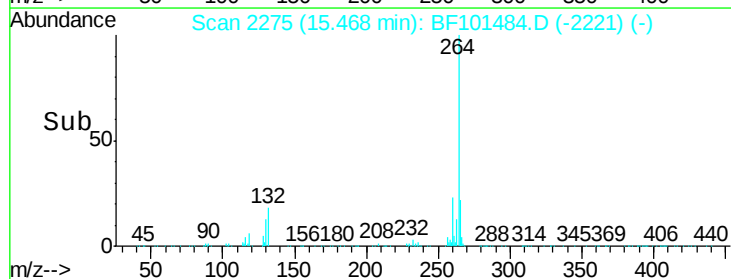
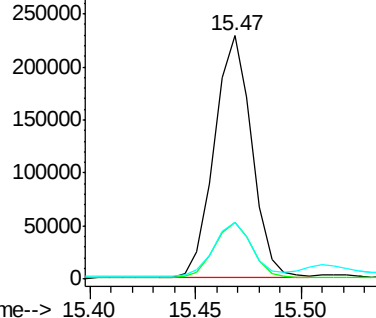


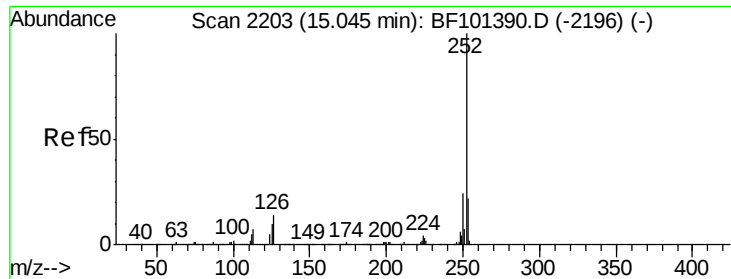
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	281176		
260	23.4	19.2	28.8	
265	23.1	17.5	26.3	



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





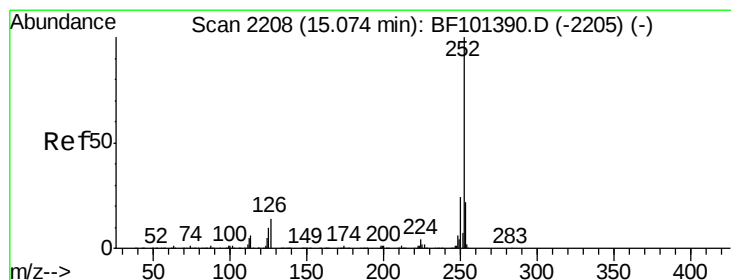
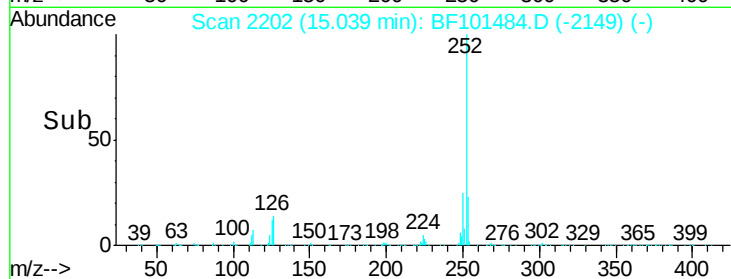
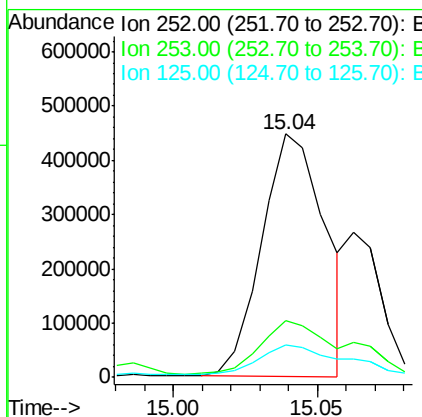
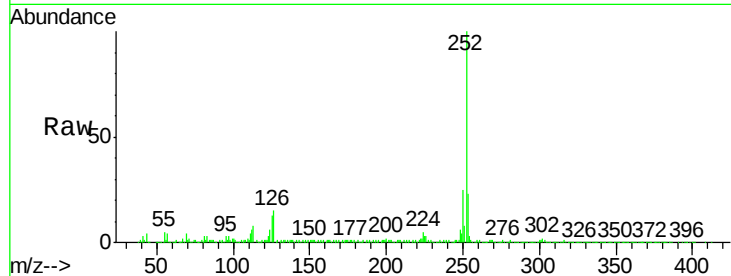
#87
Benzo(b)fluoranthene
Concen: 39.725 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	13.1	9.0	13.6

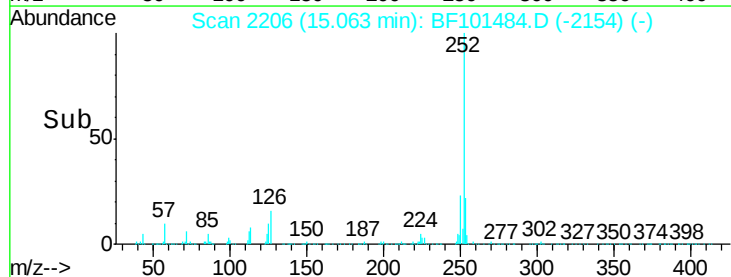
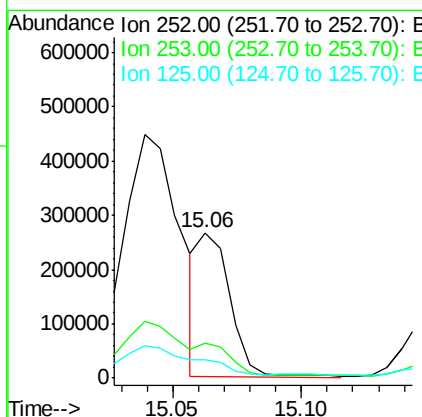
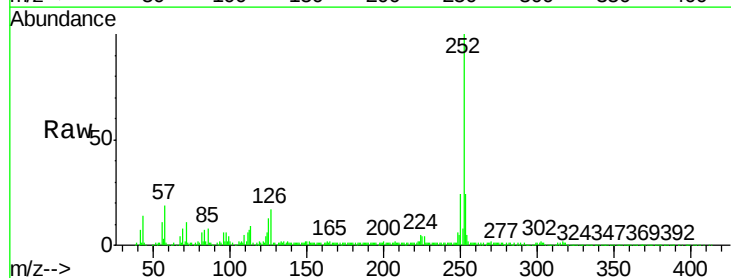
Manual Integrations
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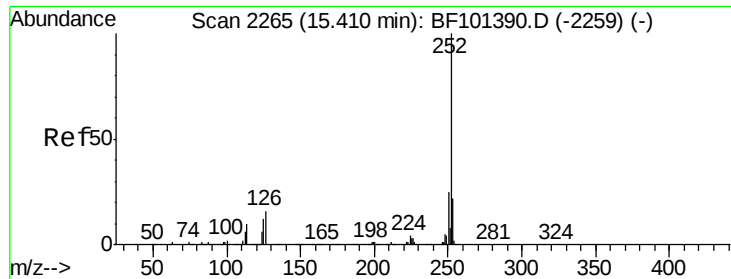
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#88
Benzo(k)fluoranthene
Concen: 13.537 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	13.0	10.2	15.2





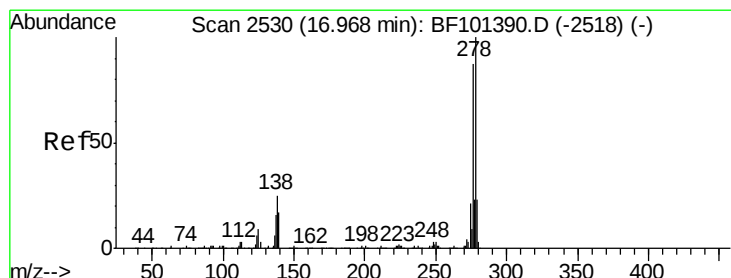
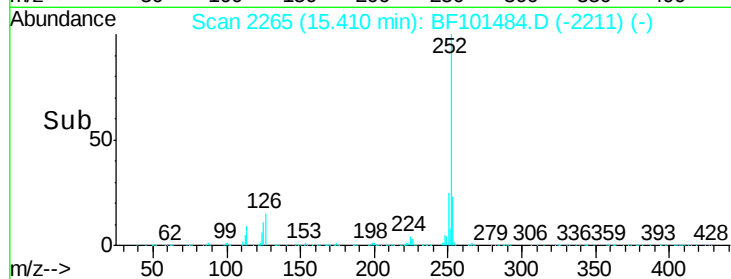
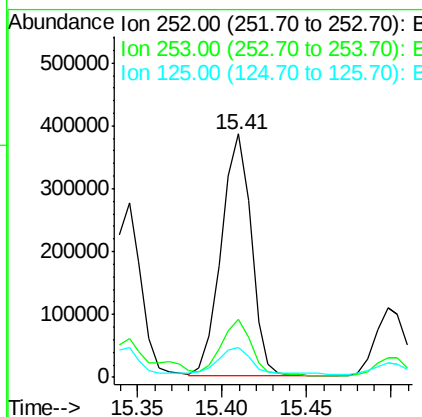
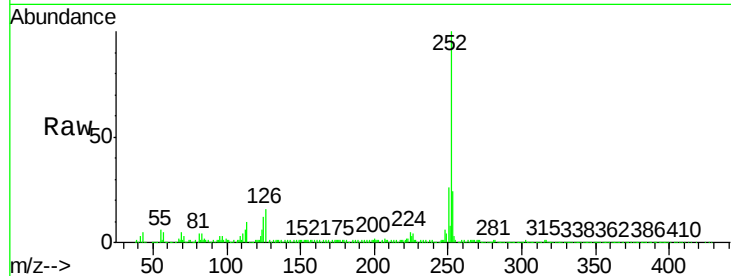
#89
Benzo(a)pyrene
Concen: 30.221 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	12.4	9.8	14.6

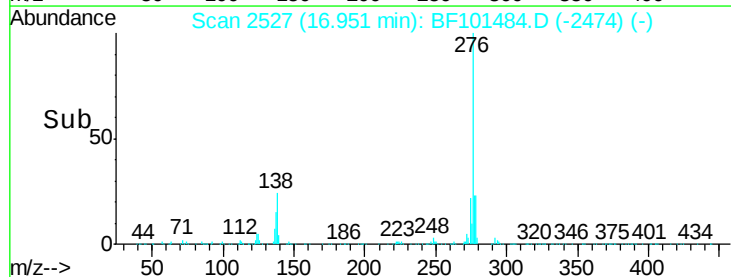
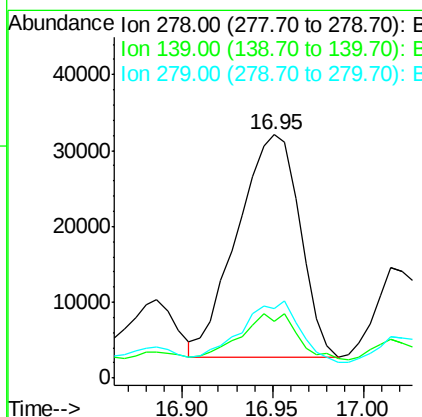
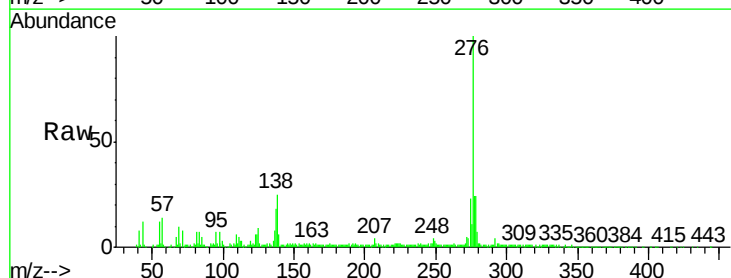
Manual Integrations
APPROVED

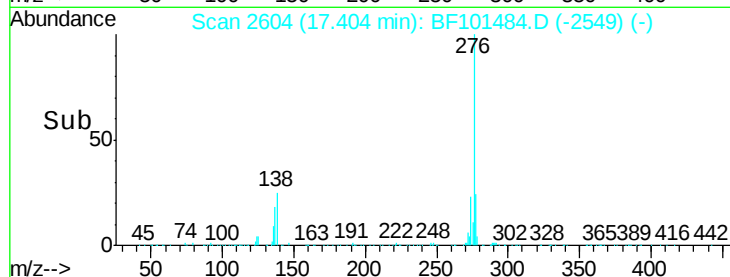
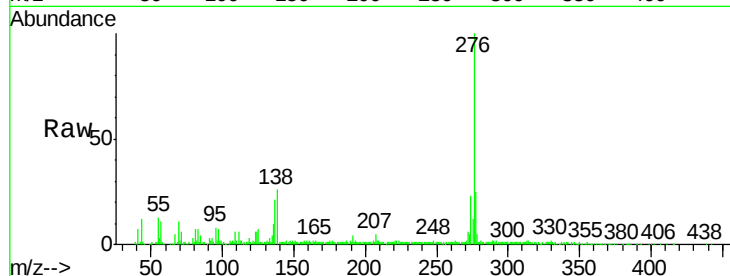
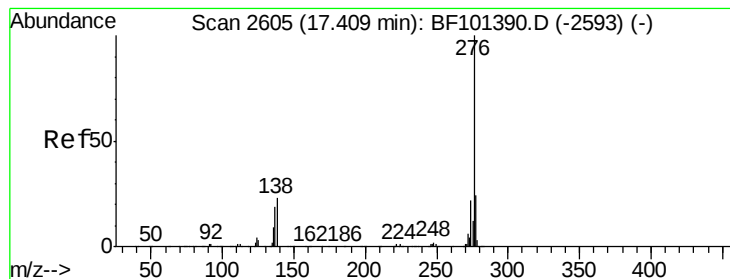
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#90
Dibenzo(a,h)anthracene
Concen: 5.161 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.01 min
Lab File: BF101484.D
Acq: 18 Dec 2017 16:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	15.9	23.9
279	28.8	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 18.308 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.02 min

Lab File: BF101484.D

Acq: 18 Dec 2017 16:53

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		245921		
277	25.5	17.9	26.9		
138	26.4	21.8	32.8		

Manual Integrations
APPROVED

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