

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101778.D
 Acq On : 27 Dec 2017 22:22
 Operator : SJ/JU
 Sample : I7064-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2

Manual Integrations
 APPROVED

Sohil
 12/28/2017 2:03:02 PM

Quant Time: Dec 28 05:44:38 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	162470	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	624160	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	255293	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	412245	20.00	ng	0.00
75) Chrysene-d12	13.97	240	299290	20.00	ng	0.00
86) Perylene-d12	15.44	264	277952	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	661480	60.65	ng	0.00
7) Phenol-d6	6.43	99	794662	58.54	ng	0.00
23) Nitrobenzene-d5	7.36	82	475275	42.39	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	143129	58.18	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	806391	49.00	ng	0.00
78) Terphenyl-d14	12.90	244	554401	44.66	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	55402	2.698	ng	99
70) Phenanthrene	11.34	178	455767	19.880	ng	99
71) Anthracene	11.40	178	121376	5.183	ng	99
72) Carbazole	11.57	167	53757	2.452	ng	98
74) Fluoranthene	12.54	202	618397	25.698	ng	97
77) Pyrene	12.77	202	541982	24.129	ng	99
80) Benzo(a)anthracene	13.96	228	285885	14.466	ng	99
82) Chrysene	14.00	228	274746m	14.724	ng	
85) Indeno(1,2,3-cd)pyrene	16.94	276	114658	6.900	ng	# 89
87) Benzo(b)fluoranthene	15.02	252	309823m	18.287	ng	
88) Benzo(k)fluoranthene	15.04	252	115506m	7.012	ng	
89) Benzo(a)pyrene	15.39	252	207029	13.256	ng	98
90) Dibenzo(a,h)anthracene	16.93	278	27399	2.043	ng	# 88
91) Benzo(g,h,i)perylene	17.39	276	105508	7.946	ng	96

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

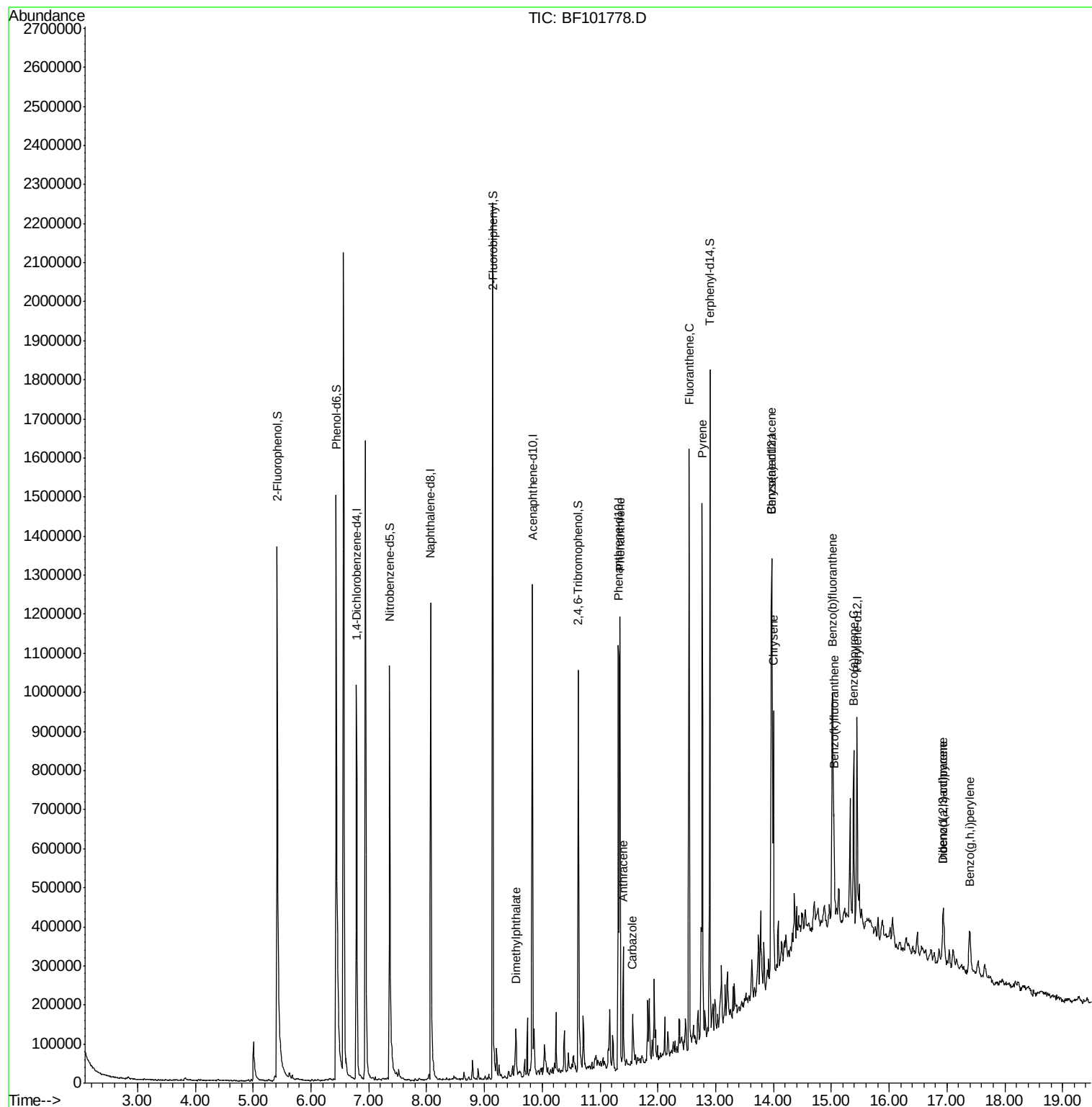
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
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ALS Vial : 19 Sample Multiplier: 1

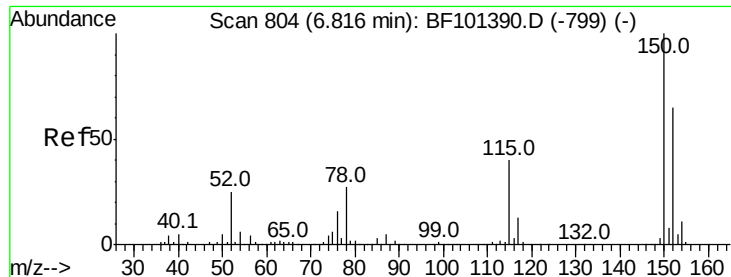
Instrument :
BNA_F
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SAMPLE-2

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#1

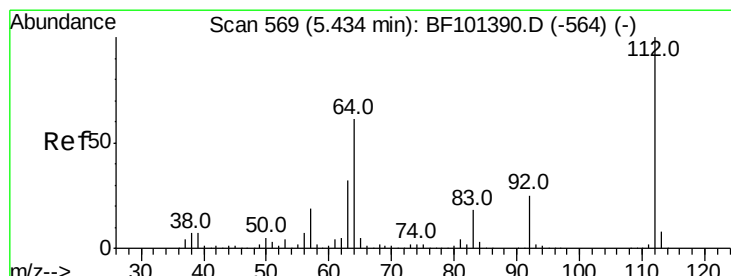
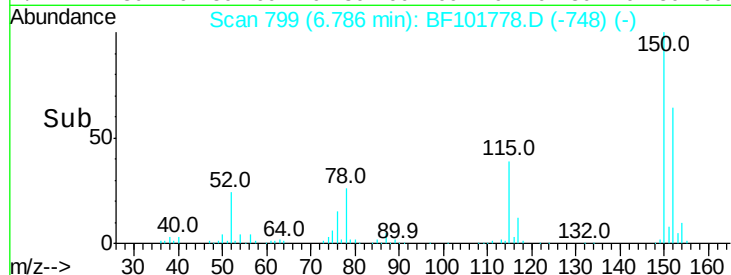
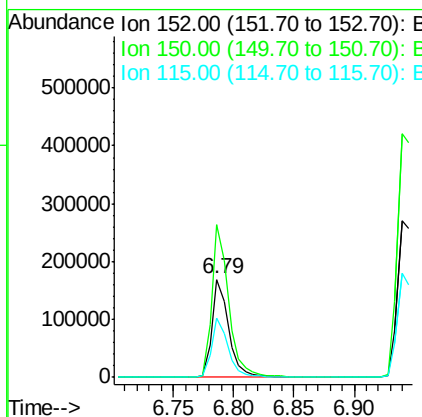
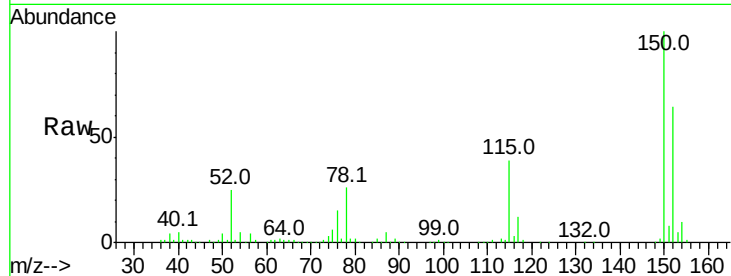
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Instrument :
 BNA_F
 ClientSampled :
 SAMPLE-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	60.5	50.1	75.1

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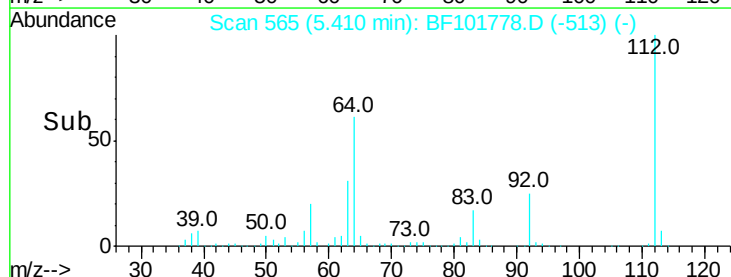
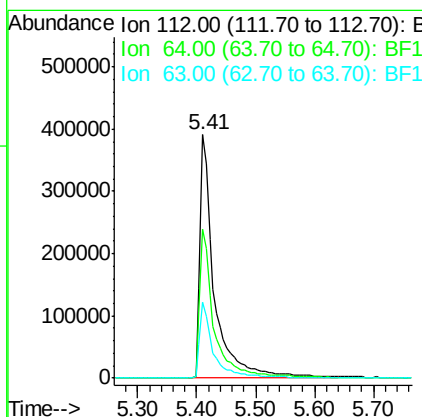
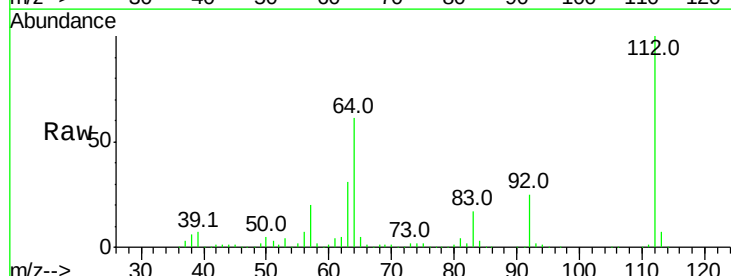
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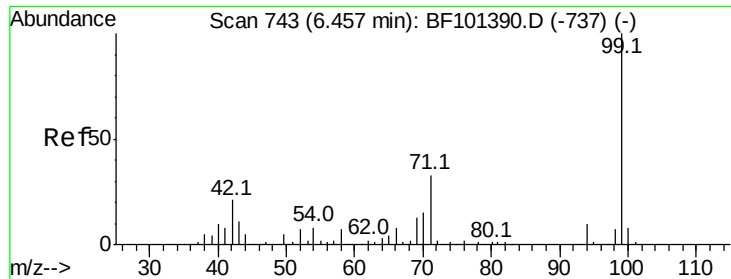


#5

2-Fluorophenol
 Concen: 60.647 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.9	71.9
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 58.542 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_F

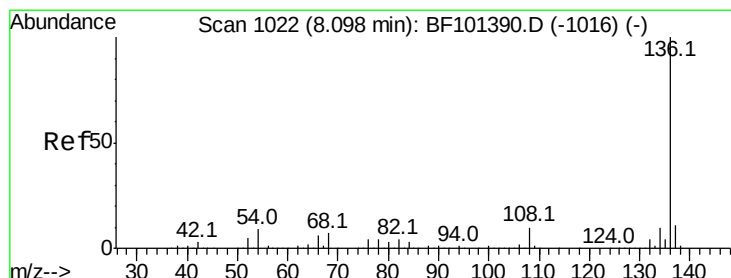
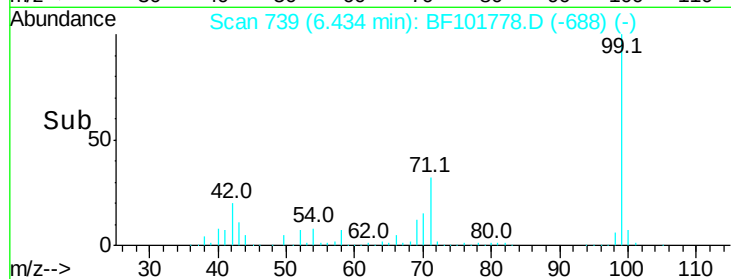
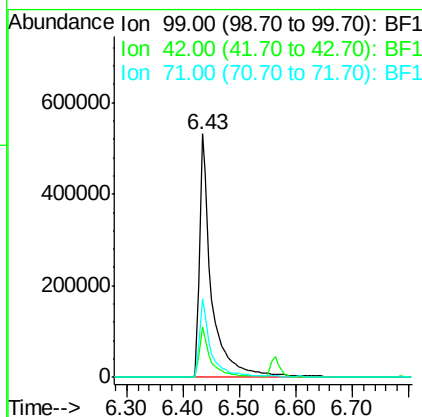
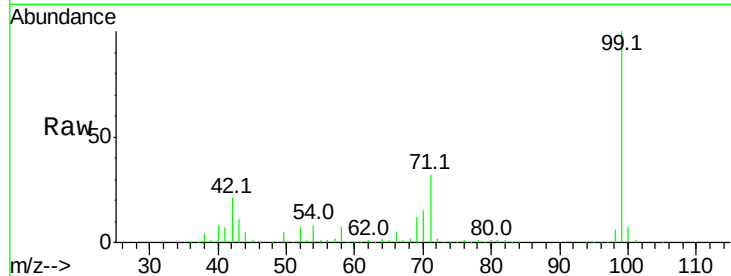
ClientSampled :

SAMPLE-2

Tot Ion:	99	Resp:	794662
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.5	21.7
71	32.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

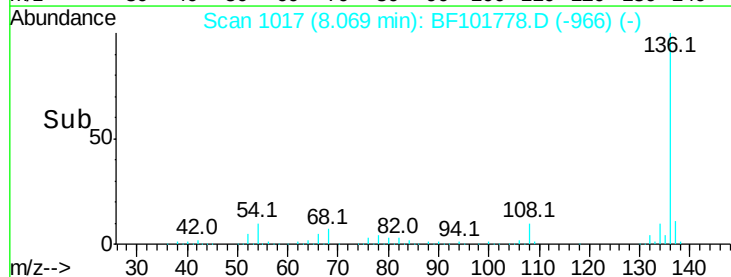
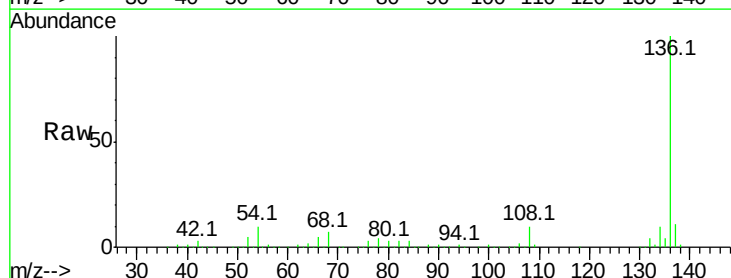
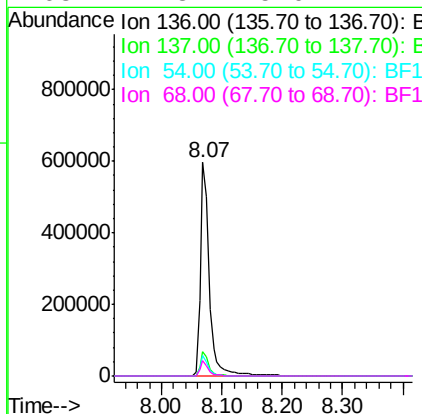
RT: 8.07 min Scan# 1017

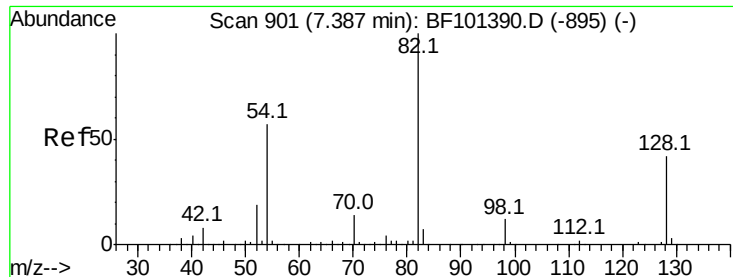
Delta R.T. -0.00 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Tgt Ion:	136	Resp:	624160
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.6	6.6	9.8
68	7.3	5.0	7.4





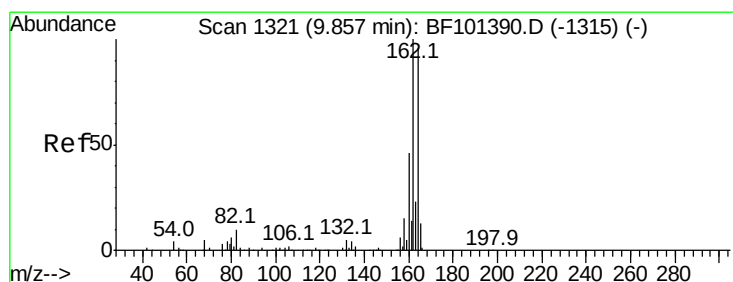
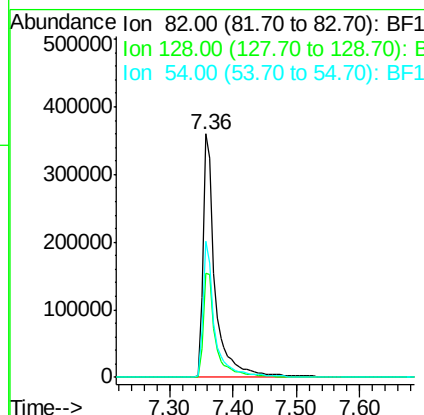
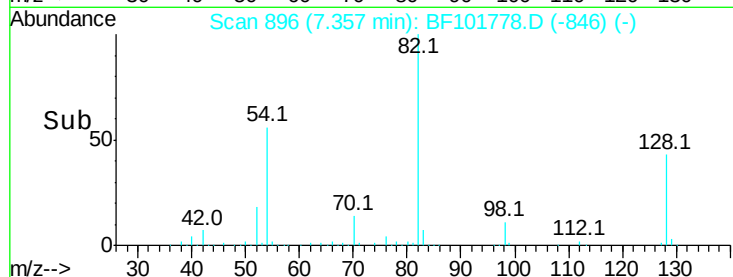
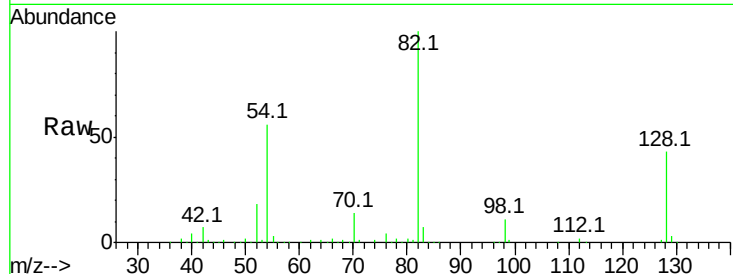
#23
Nitrobenzene-d5
Concen: 42.387 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Instrument :
BNA_F
ClientSampled :
SAMPLE-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100	475275		
128	42.9	36.1	54.1	
54	55.9	41.4	62.2	

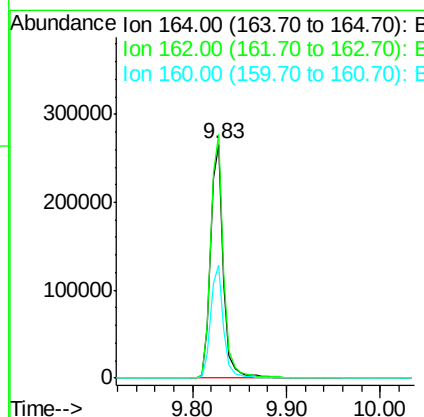
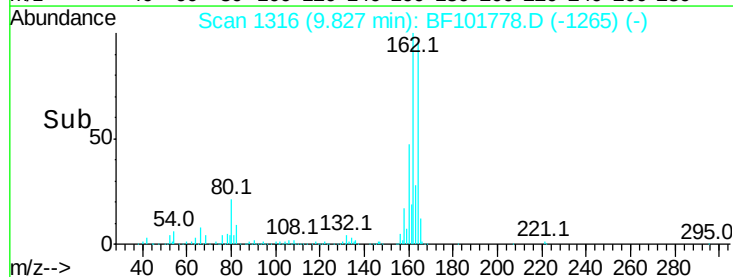
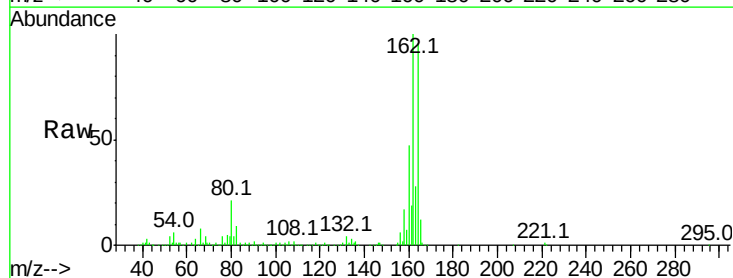
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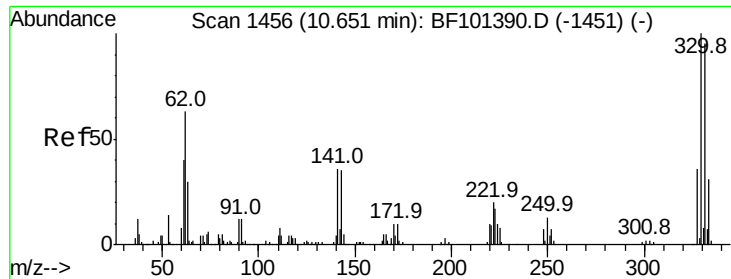
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	255293		
162	104.3	86.1	129.1	
160	48.7	38.3	57.5	





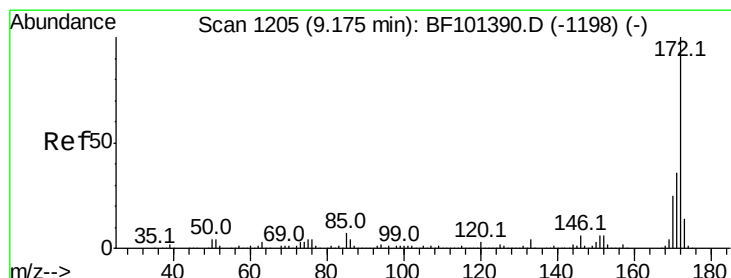
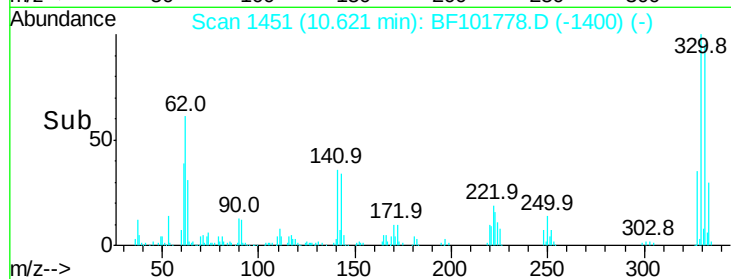
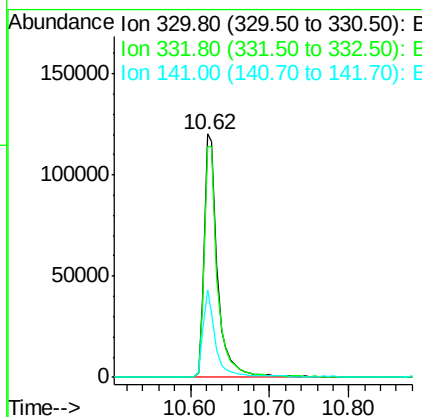
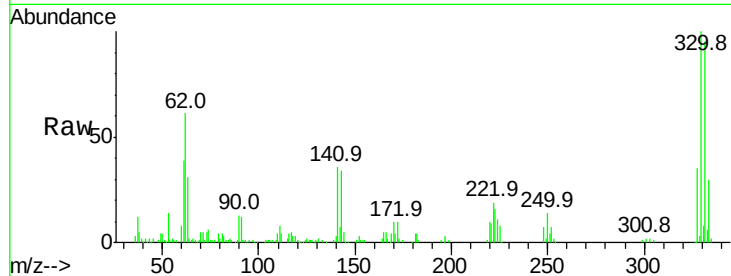
#41
 2,4,6-Tribromophenol
 Concen: 58.184 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	143129		
332	94.1	77.0	115.6	
141	34.1	29.9	44.9	

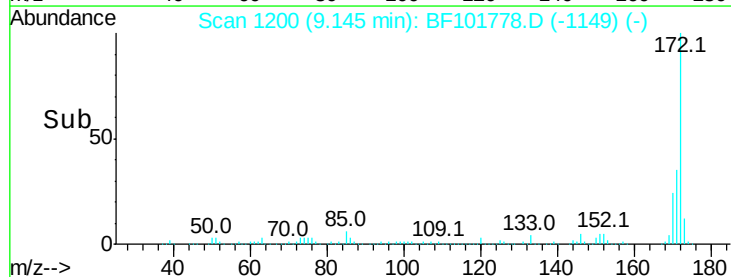
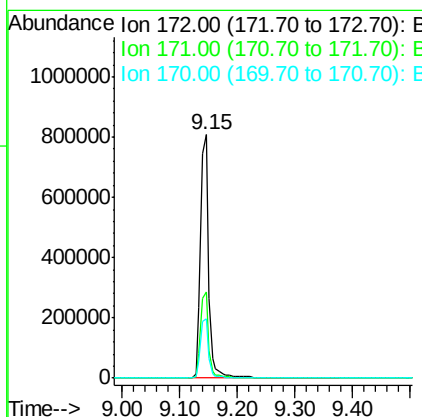
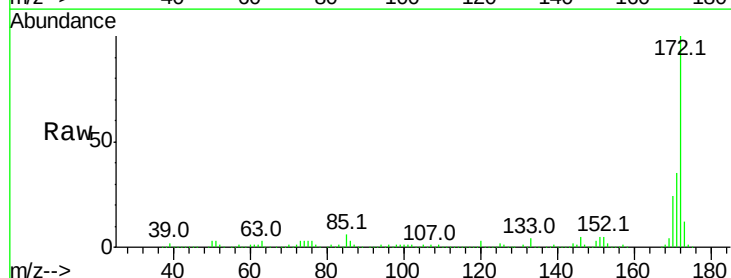
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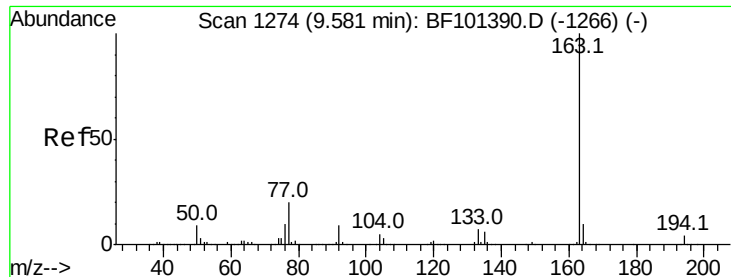
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#44
 2-Fluorobiphenyl
 Concen: 48.999 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	806391		
171	35.3	29.7	44.5	
170	24.2	19.6	29.4	





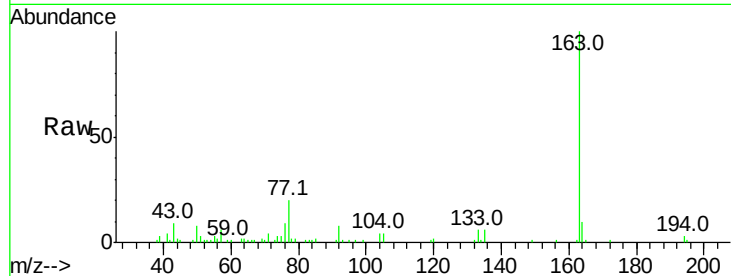
#49
Dimethylphthalate
Concen: 2.698 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2

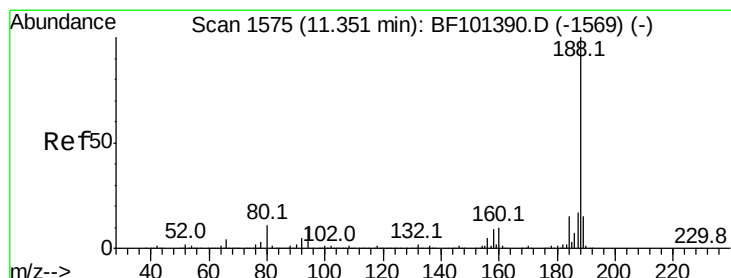
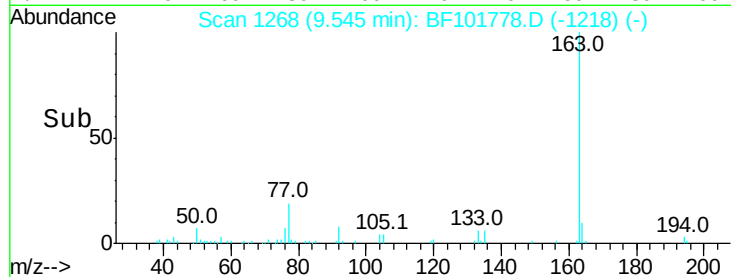
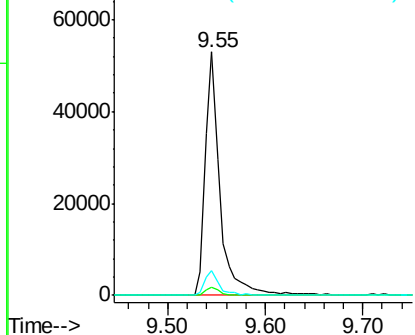
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.7	4.1	
164	9.9	8.2	12.2	

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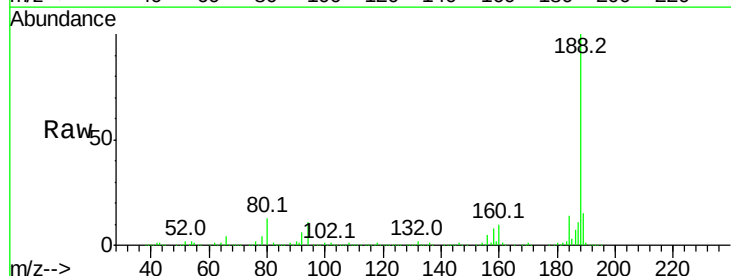


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

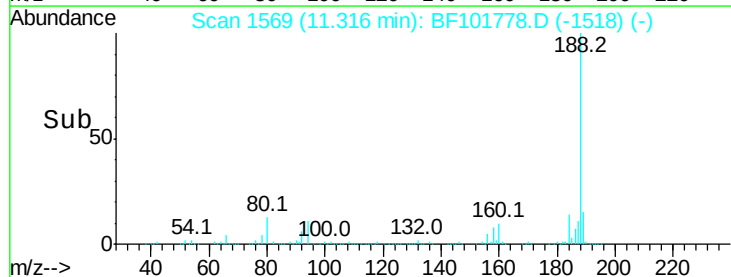
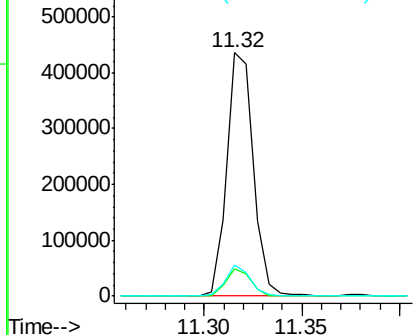


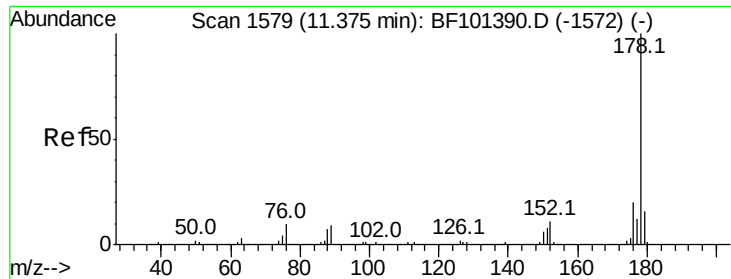
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.1	8.5	12.7	
80	12.6	9.2	13.8	



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





#70

Phenanthrene

Concen: 19.880 ng

RT: 11.34 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_F

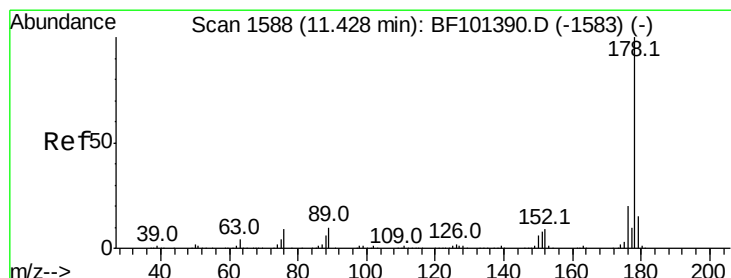
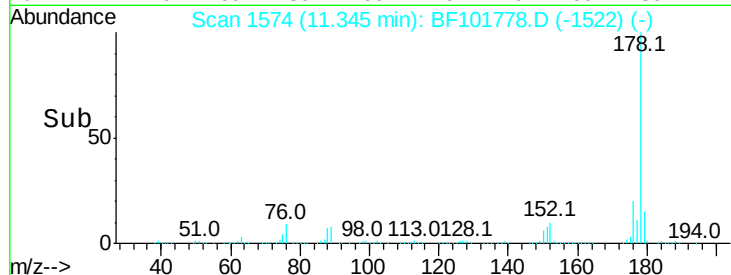
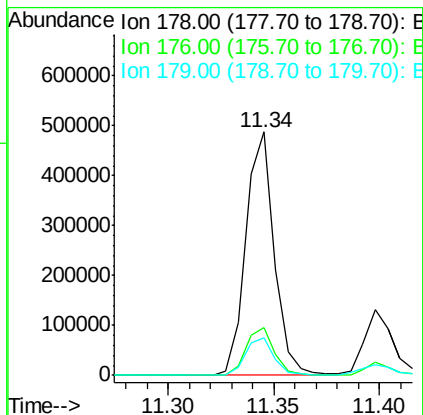
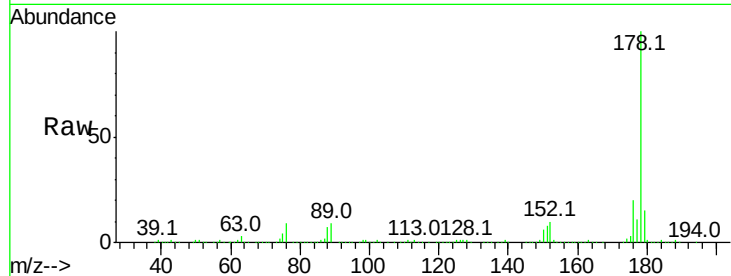
ClientSampleId :

SAMPLE-2

Tot Ion:178	Resp:	455767
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.8 23.8
179	15.2	13.0 19.6

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#71

Anthracene

Concen: 5.183 ng

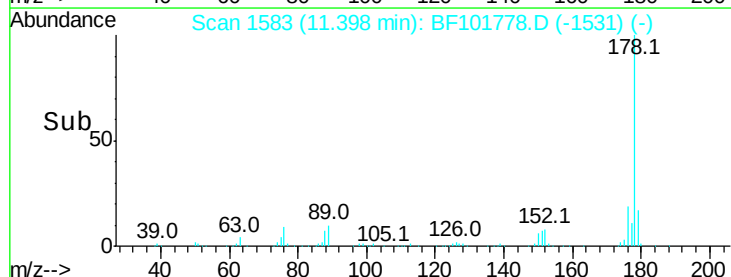
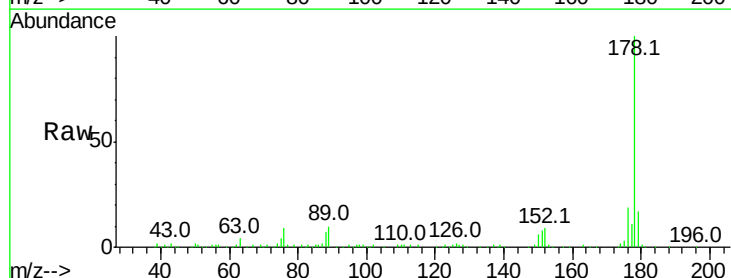
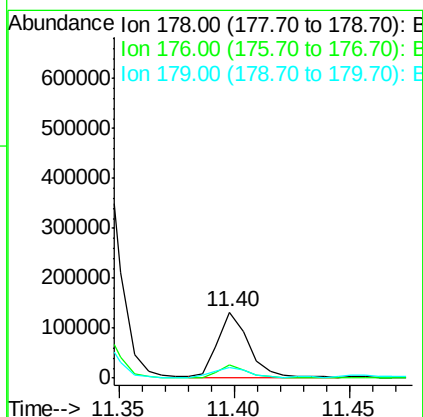
RT: 11.40 min Scan# 1583

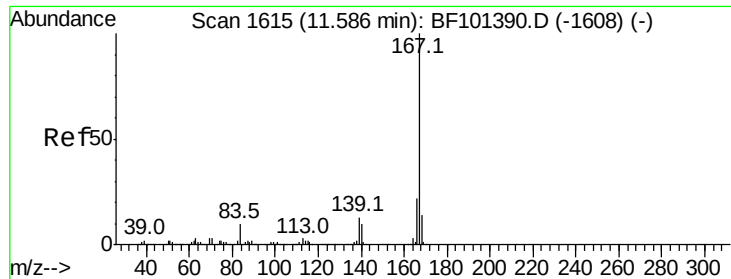
Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Tgt Ion:178	Resp:	121376
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.4 23.2
179	16.9	12.6 19.0





#72

Carbazole

Concen: 2.452 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_F

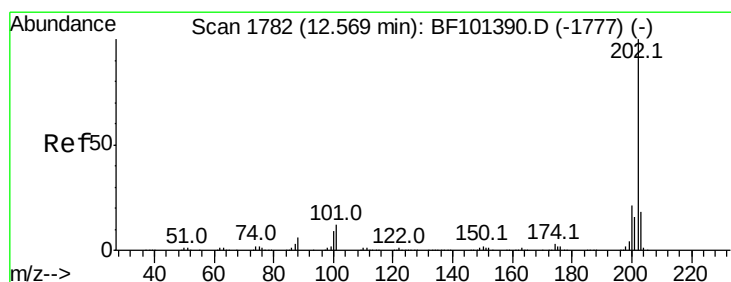
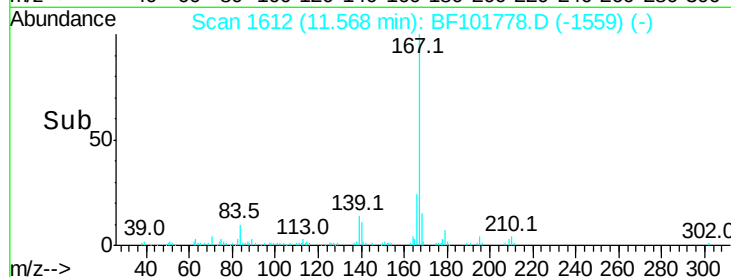
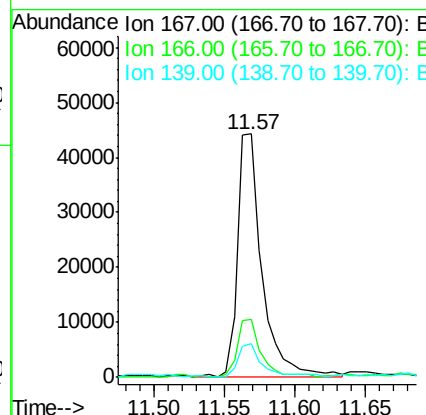
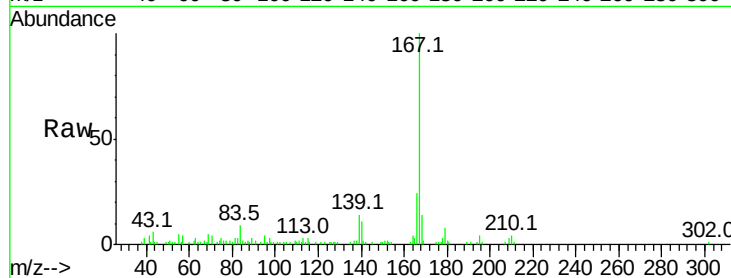
ClientSampleId :

SAMPLE-2

Tot Ion:	167	Resp:	53757
Ion Ratio	Lower	Upper	
167	100		
166	23.9	17.6	26.4
139	13.6	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 25.698 ng

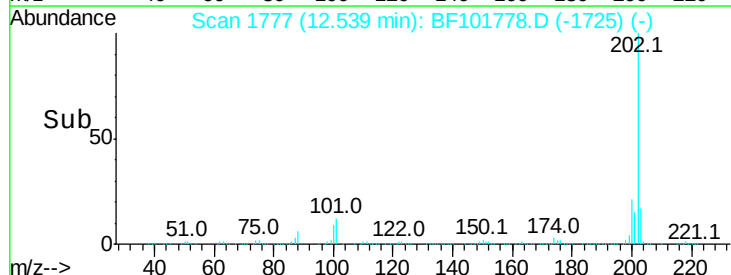
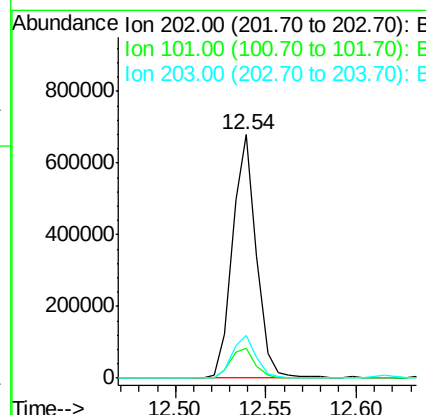
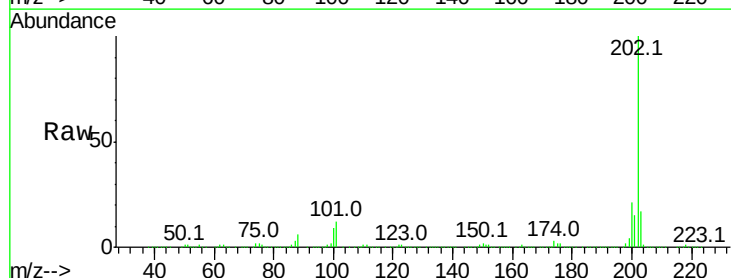
RT: 12.54 min Scan# 1777

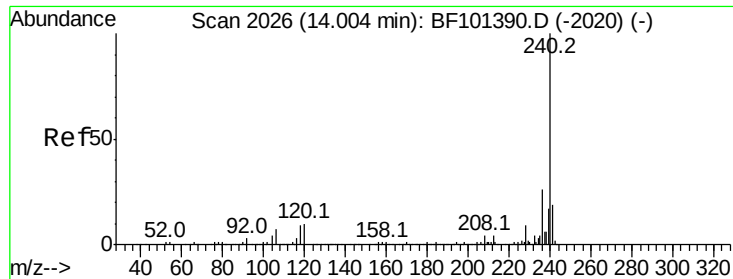
Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Tgt Ion:	202	Resp:	618397
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_F

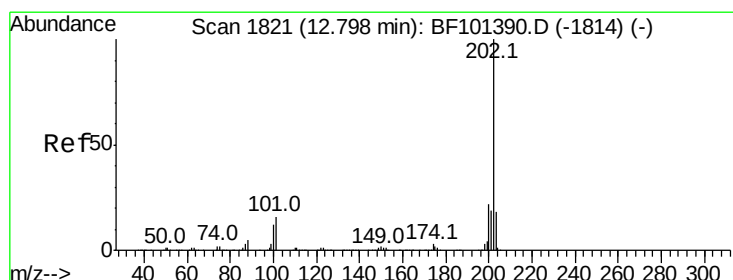
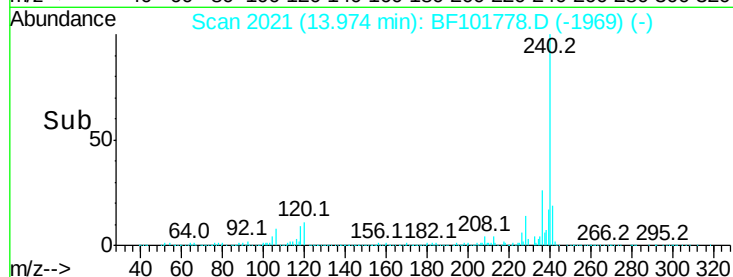
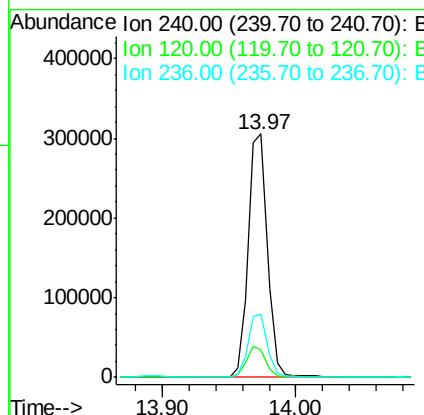
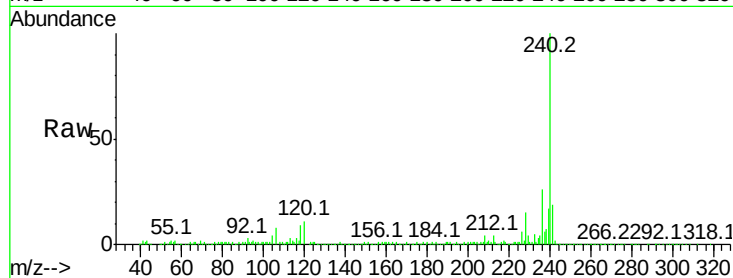
ClientSampleId :

SAMPLE-2

Tot Ion:	240	Resp:	299290
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 24.129 ng

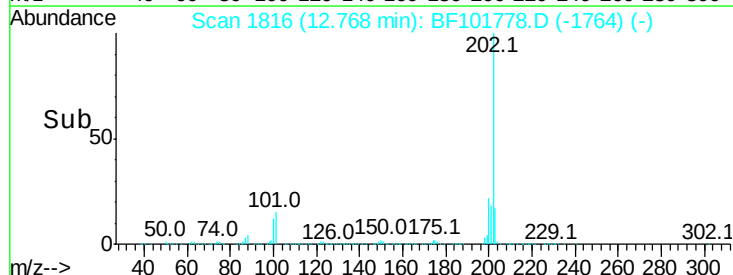
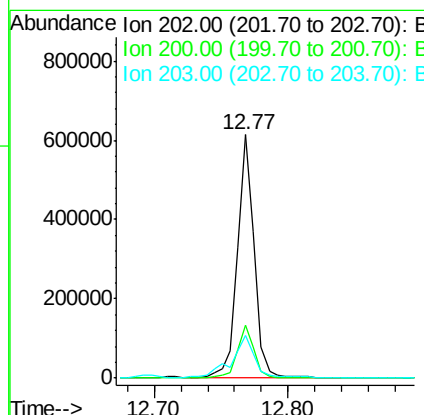
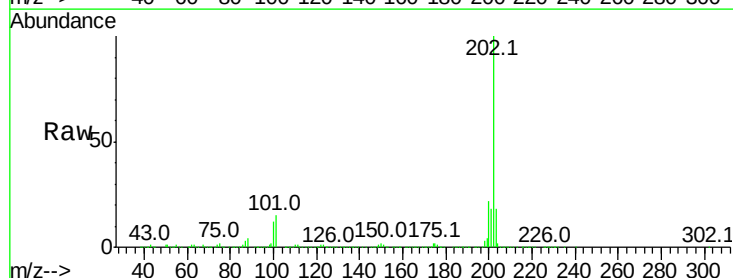
RT: 12.77 min Scan# 1816

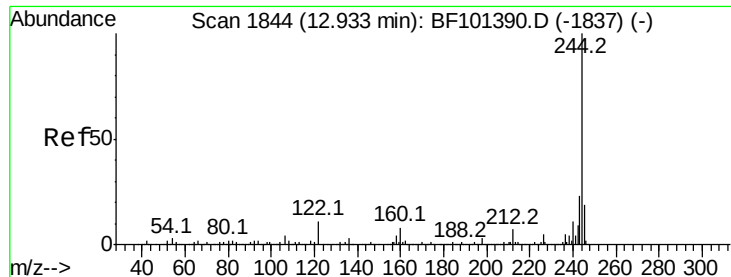
Delta R.T. 0.01 min

Lab File: BF101778.D

Acq: 27 Dec 2017 22:22

Tgt Ion:	202	Resp:	541982
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.6	14.3	21.5





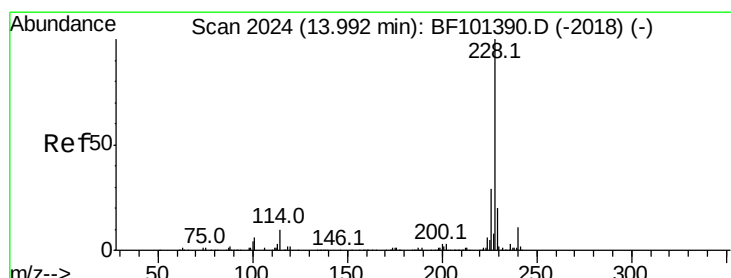
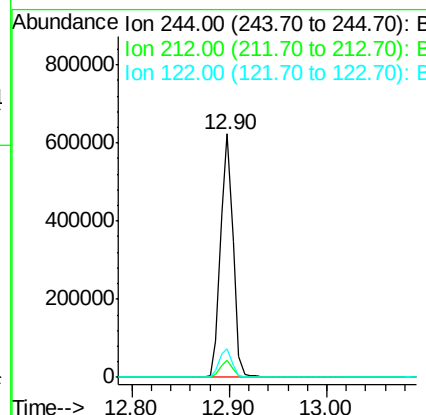
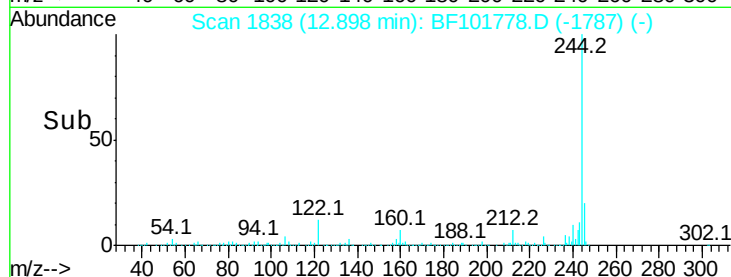
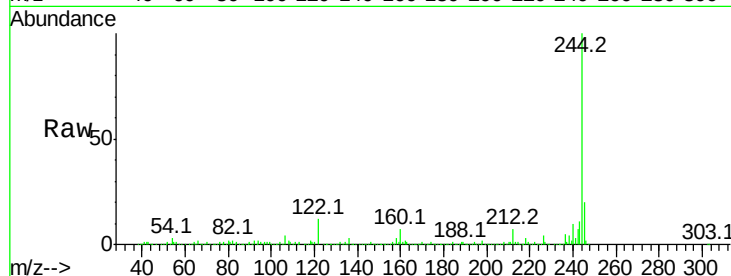
#78
 Terphenyl-d14
 Concen: 44.657 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.9	11.0	16.4

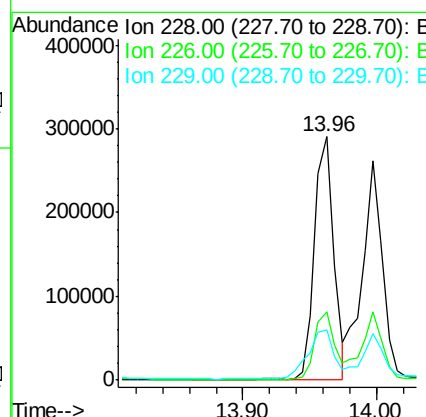
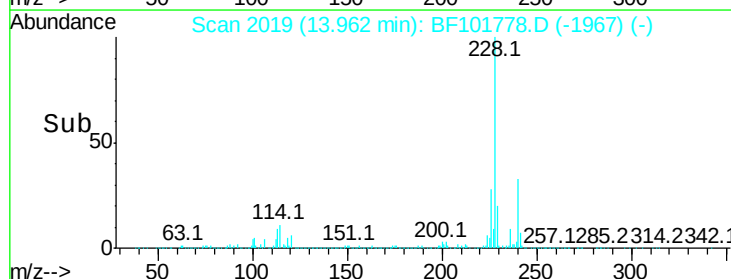
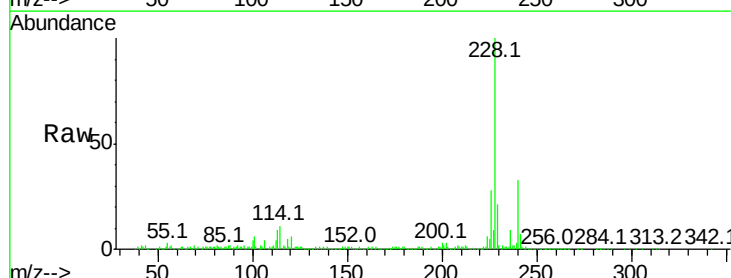
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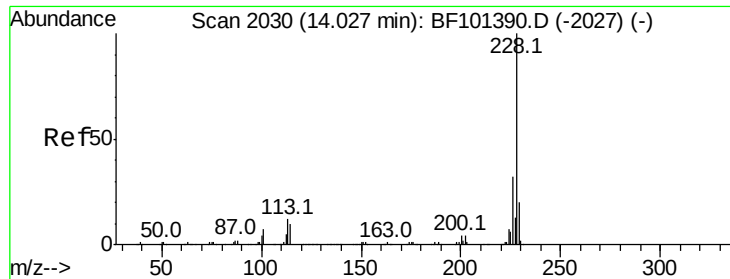
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#80
 Benzo(a)anthracene
 Concen: 14.466 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF101778.D
 Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.8	15.8	23.6





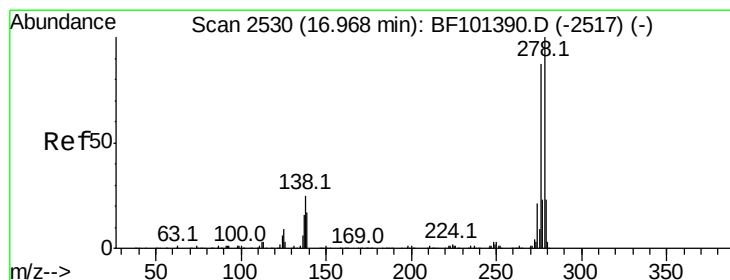
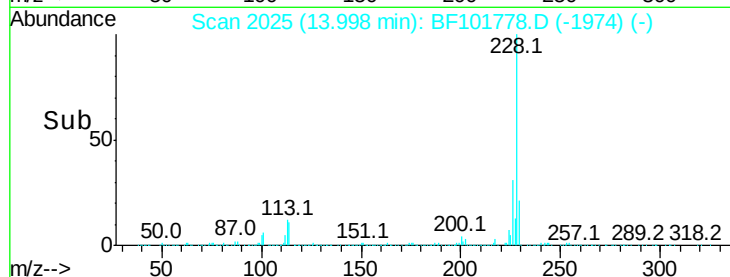
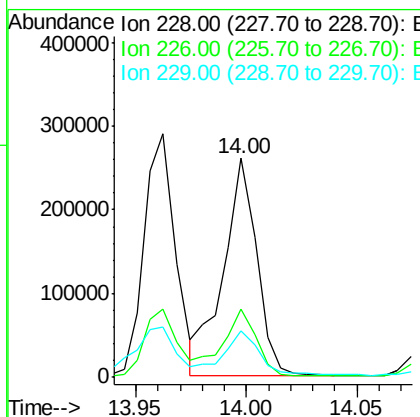
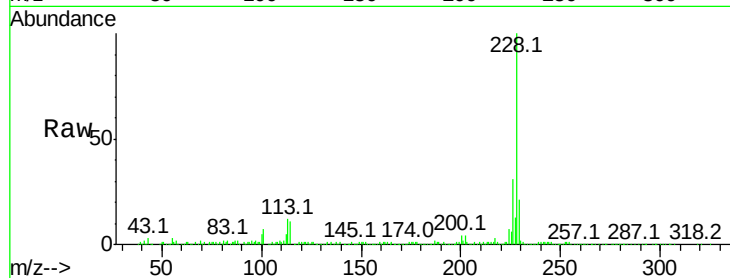
#82
Chrysene
Concen: 14.724 ng m
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Instrument :
BNA_F
ClientSampled :
SAMPLE-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	21.5	16.2	24.4

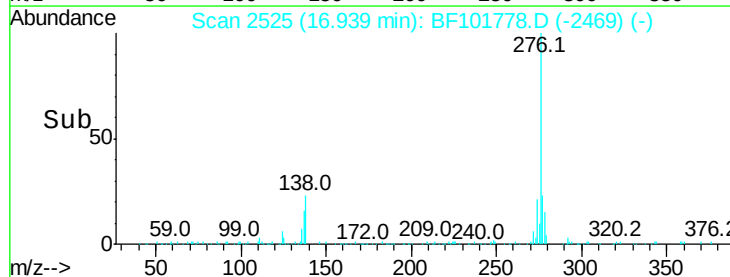
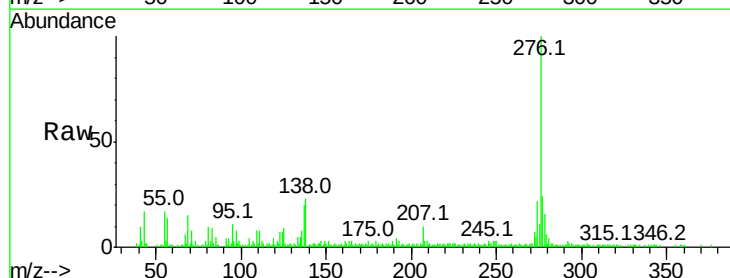
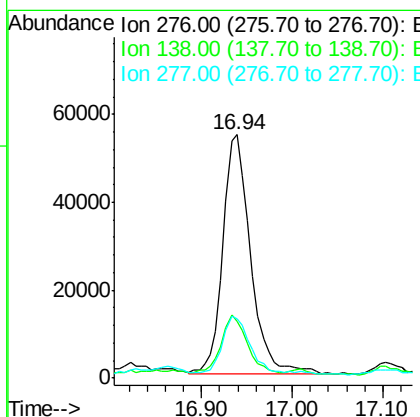
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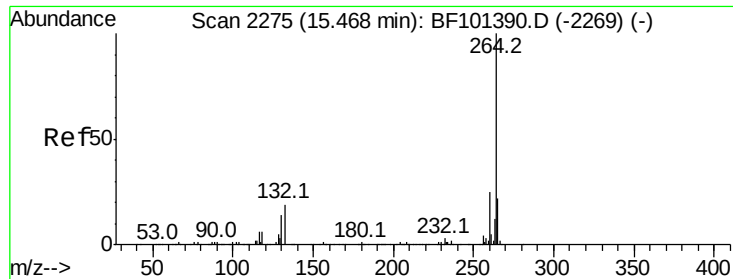
Sohil
12/28/2017 2:03:02 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.900 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.03 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	22.8	20.1	30.1





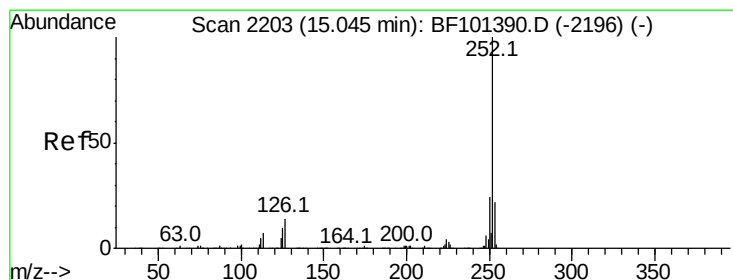
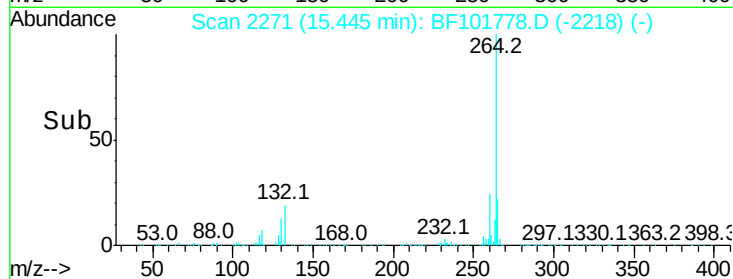
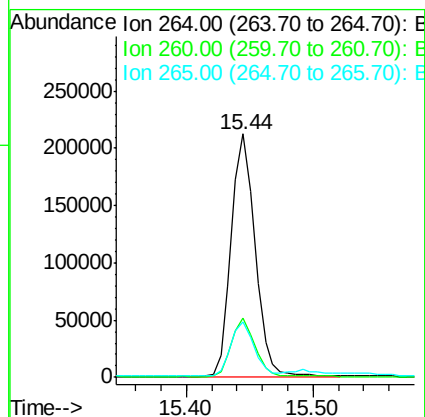
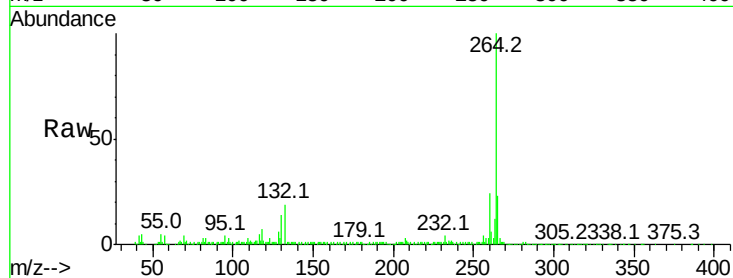
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Instrument :
BNA_F
ClientSampled :
SAMPLE-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.6	17.5	26.3

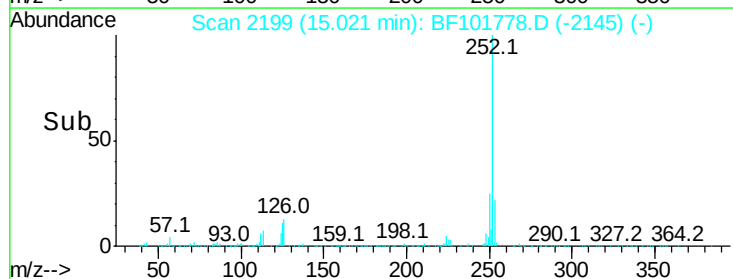
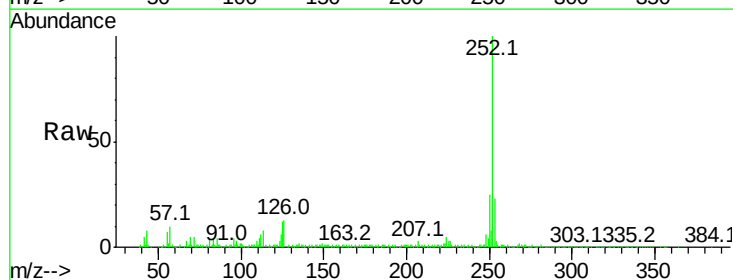
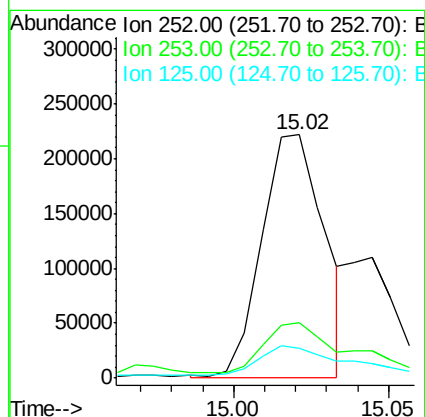
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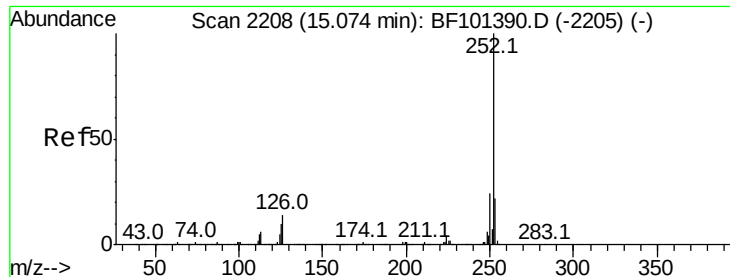
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#87
Benzo(b)fluoranthene
Concen: 18.287 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.2	9.0	13.6





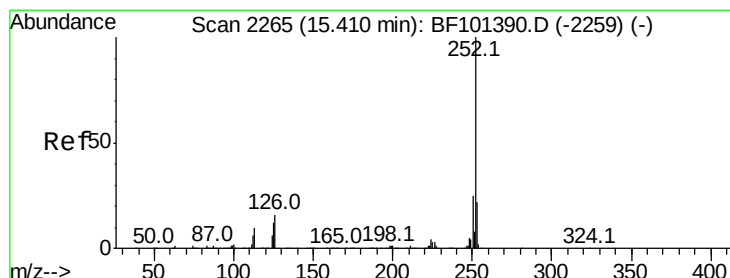
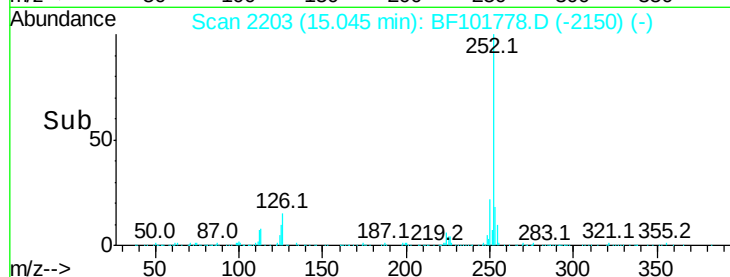
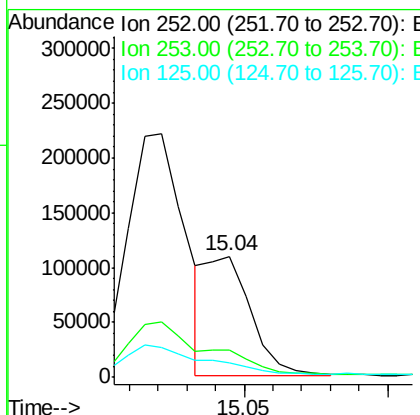
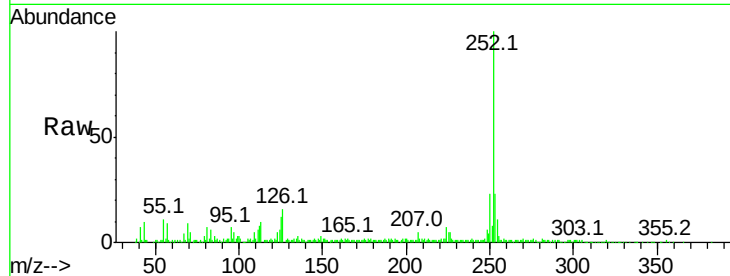
#88
Benzo(k)fluoranthene
Concen: 7.012 ng/mL
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Instrument :
BNA_F
ClientSampled :
SAMPLE-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.2	10.2	15.2

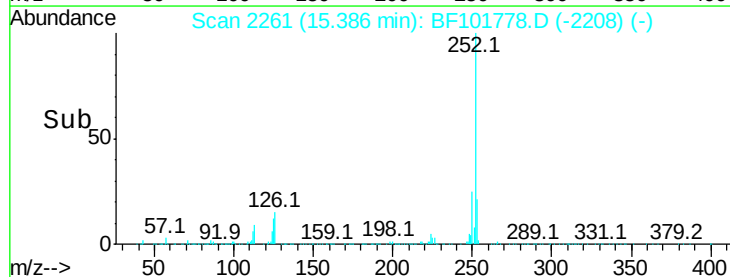
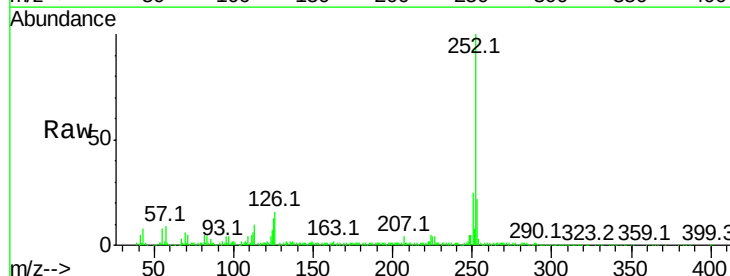
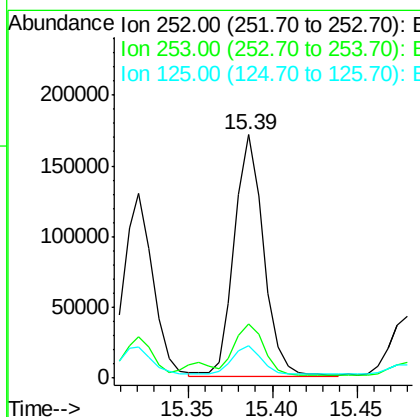
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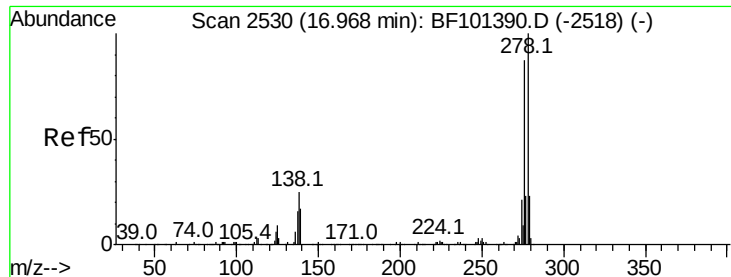
Sohil
12/28/2017 2:03:02 PM



#89
Benzo(a)pyrene
Concen: 13.256 ng/mL
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	13.4	9.8	14.6





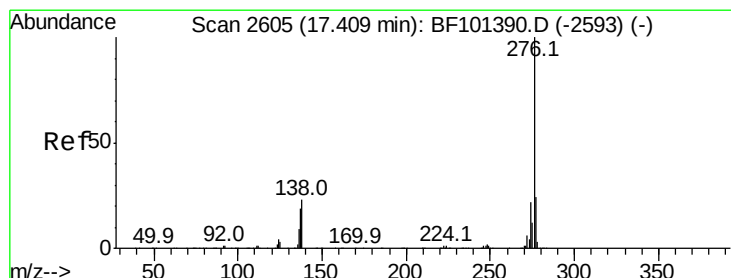
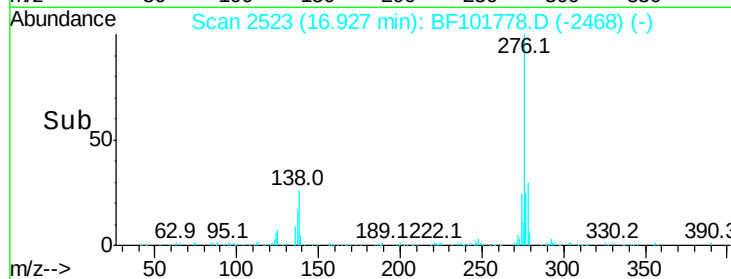
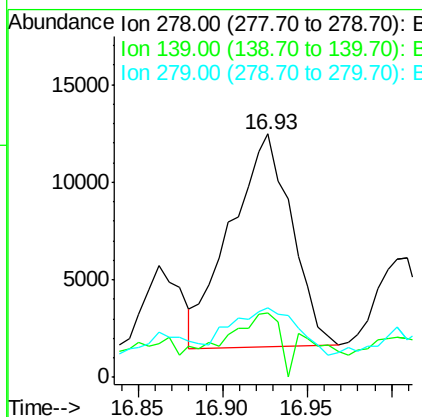
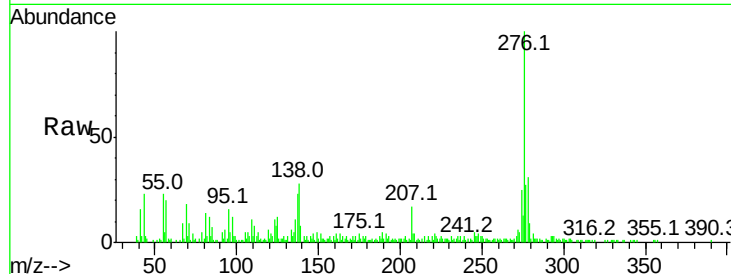
#90
Dibenzo(a,h)anthracene
Concen: 2.043 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Instrument :
BNA_F
ClientSampled :
SAMPLE-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.6	15.9	23.9#
279	28.5	19.0	28.4#

Manual Integrations
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12/28/2017 2:03:02 PM



#91
Benzo(g,h,i)perylene
Concen: 7.946 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.04 min
Lab File: BF101778.D
Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	26.9	21.8	32.8

