

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101612.D
 Acq On : 21 Dec 2017 17:39
 Operator : SJ/JU
 Sample : I6993-02 50X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-4

Manual Integrations
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Sohil
 12/22/2017 12:42:07 PM

Quant Time: Dec 21 18:27:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115646	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	436516	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	160044	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	257979	20.00	ng	0.00
75) Chrysene-d12	13.97	240	281344	20.00	ng	0.00
86) Perylene-d12	15.44	264	237174	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	15330	1.97	ng	0.06
7) Phenol-d6	6.49	99	20404	2.11	ng	0.05
23) Nitrobenzene-d5	7.39	82	12252	1.56	ng	0.02
41) 2,4,6-Tribromophenol	10.64	330	2542	1.65	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	21926	2.13	ng	0.00
78) Terphenyl-d14	12.90	244	18398	1.58	ng	0.00
Target Compounds						
57) Fluorene	10.39	166	28638	2.585	ng	97
70) Phenanthrene	11.35	178	158816	11.070	ng	98
71) Anthracene	11.40	178	81178	5.539	ng	97
72) Carbazole	11.57	167	31032	2.262	ng	98
74) Fluoranthene	12.54	202	230676	15.318	ng	98
77) Pyrene	12.77	202	176822	8.374	ng	98
80) Benzo(a)anthracene	13.96	228	102637	5.525	ng	99
82) Chrysene	14.00	228	80809	4.607	ng	98
87) Benzo(b)fluoranthene	15.02	252	101364m	7.012	ng	
89) Benzo(a)pyrene	15.38	252	61471	4.613	ng	96
91) Benzo(g,h,i)perylene	17.37	276	27832	2.456	ng	# 91

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

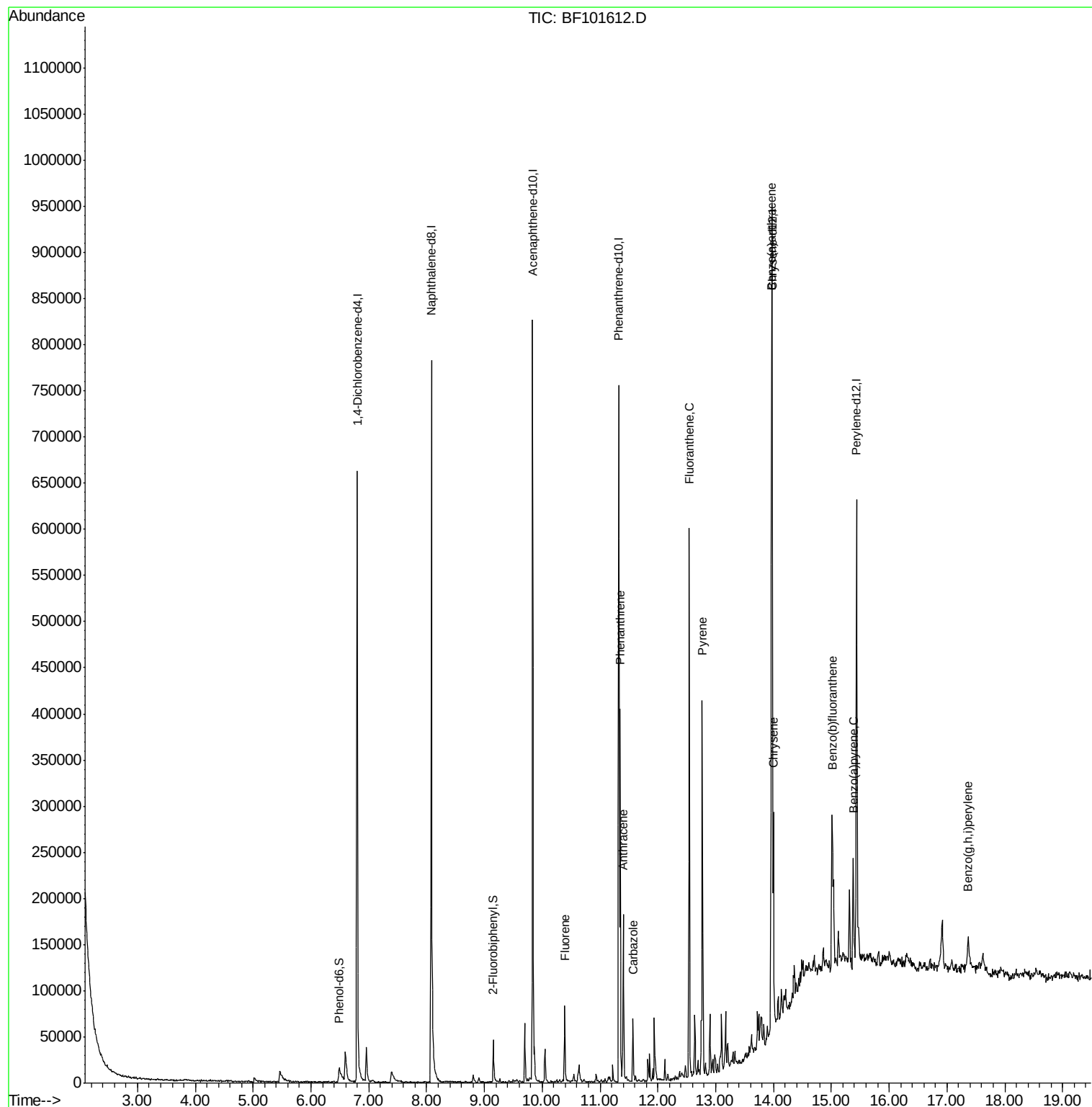
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

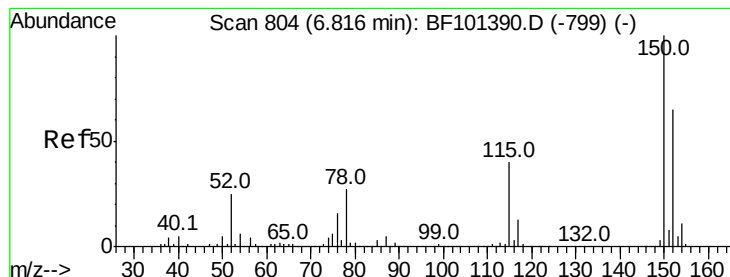
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration





#1

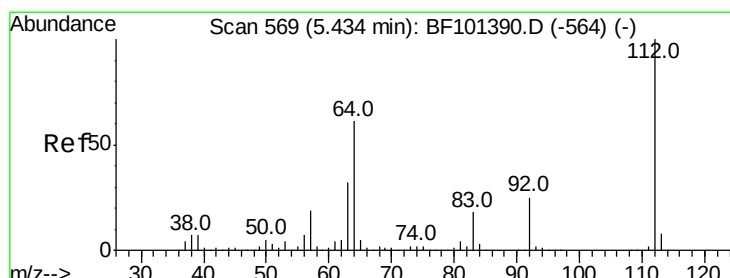
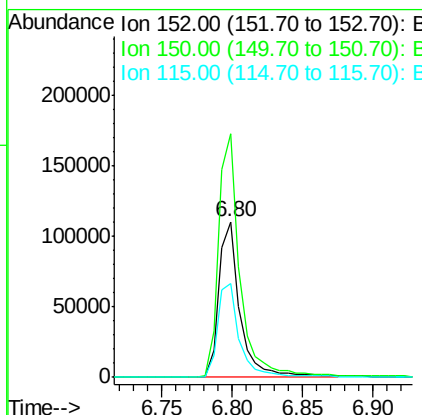
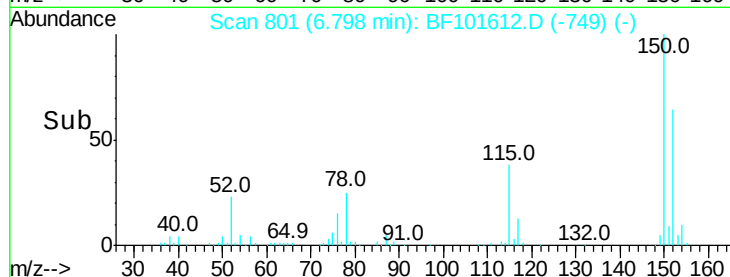
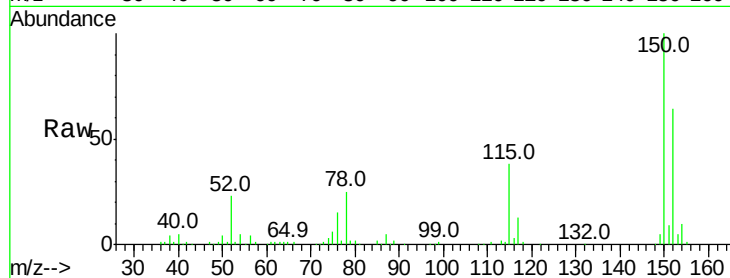
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	60.0	50.1	75.1

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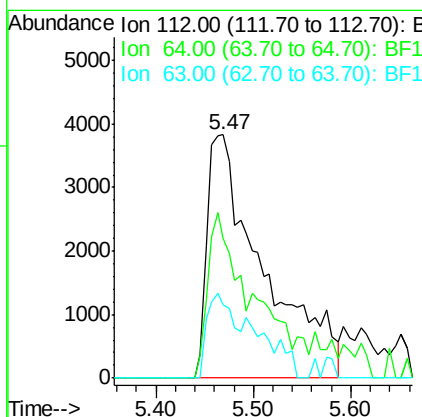
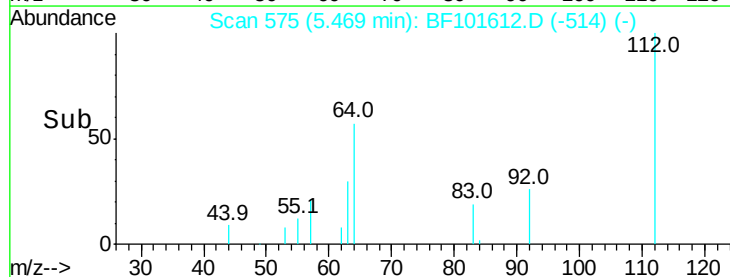
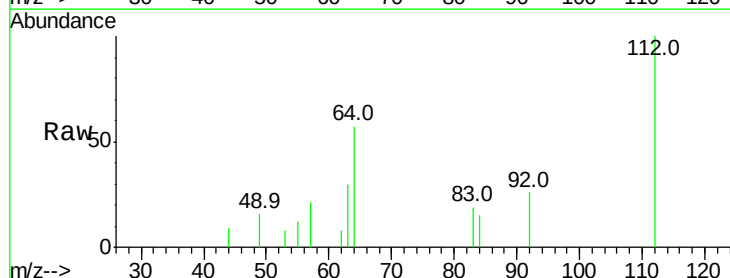
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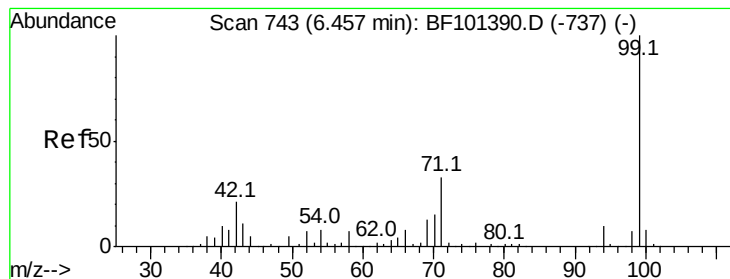


#5

2-Fluorophenol
Concen: 1.975 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.06 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 2.112 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.05 min

Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

Instrument :

BNA_F

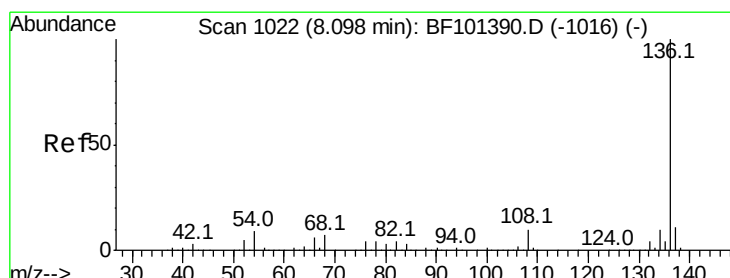
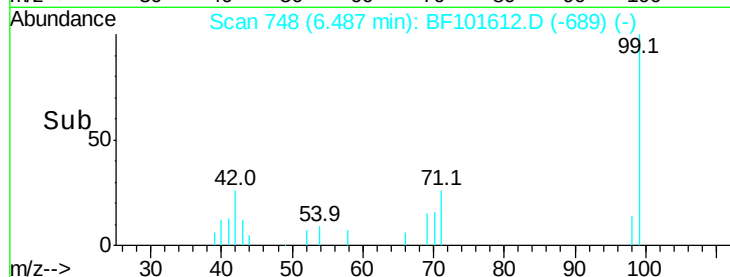
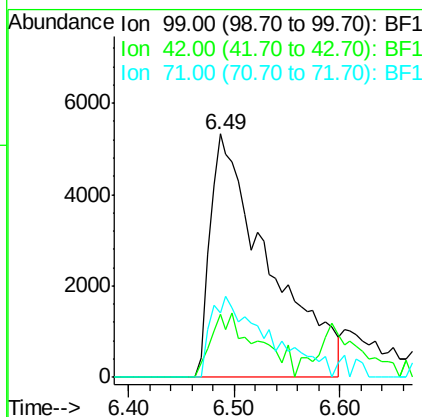
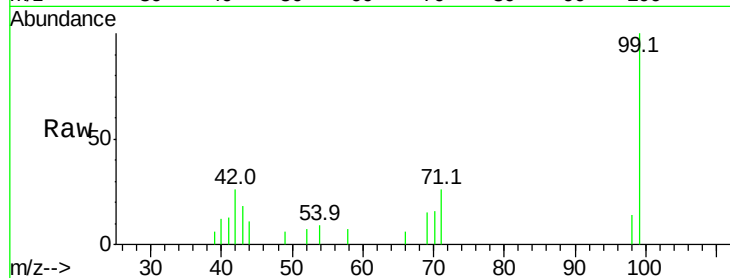
ClientSampleId :

ROLL-OFF-4

Tot Ion	99	Resp	20404
Ion	Ratio	Lower	Upper
99	100		
42	25.8	14.5	21.7#
71	26.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

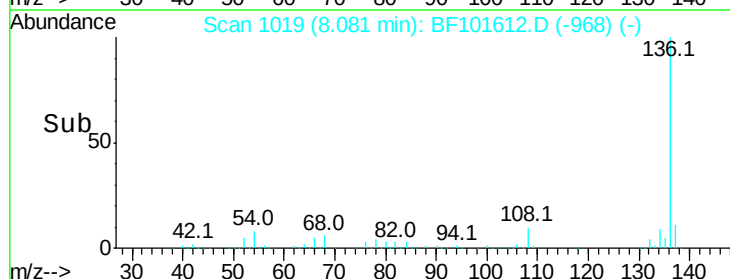
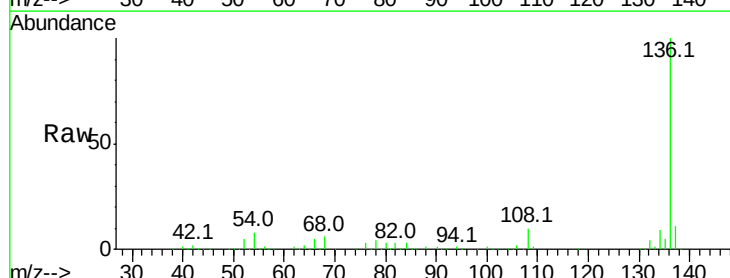
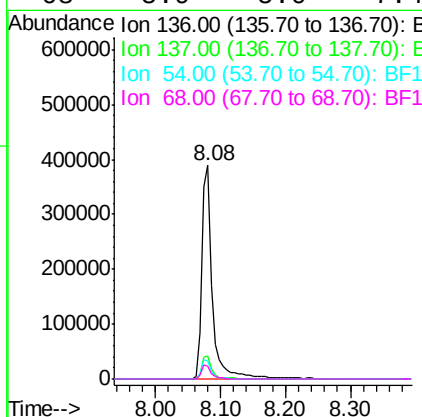
RT: 8.08 min Scan# 1019

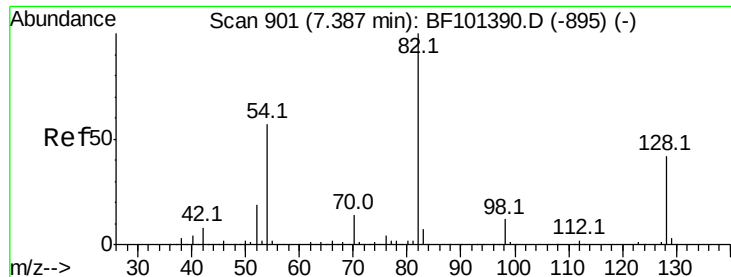
Delta R.T. 0.00 min

Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

Tgt Ion	136	Resp	436516
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.4	6.6	9.8
68	5.9	5.0	7.4





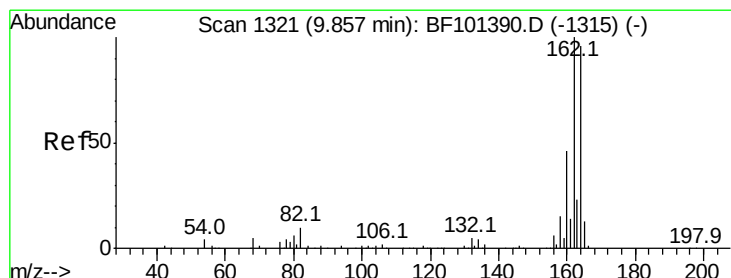
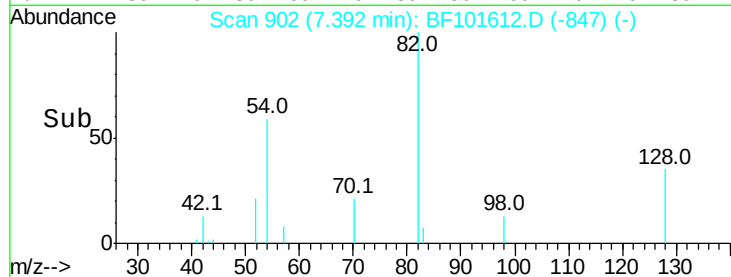
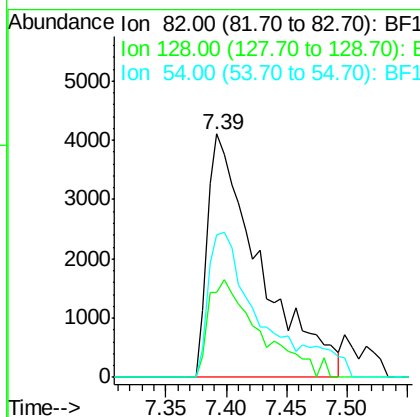
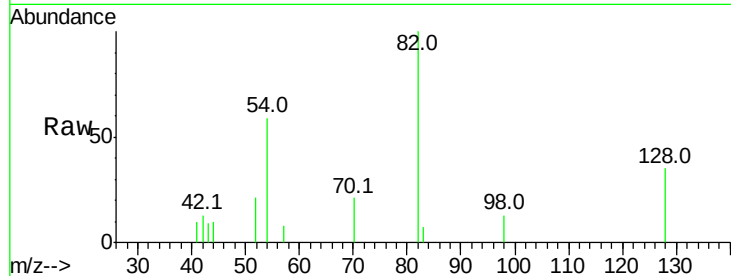
#23
Nitrobenzene-d5
Concen: 1.562 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.02 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Instrument :
BNA_F
ClientSampled :
ROLL-OFF-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.8	36.1	54.1#
54	58.7	41.4	62.2

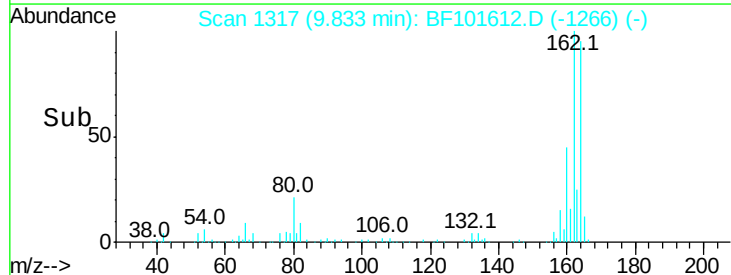
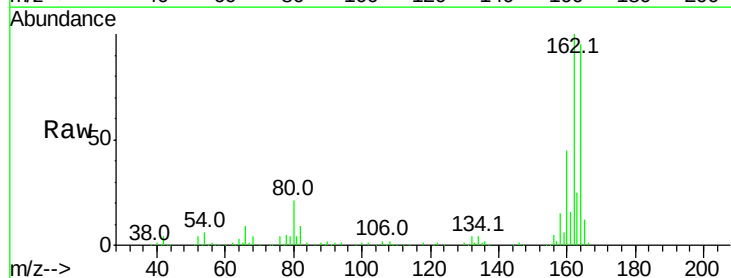
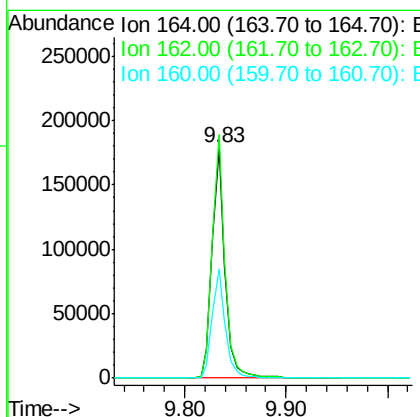
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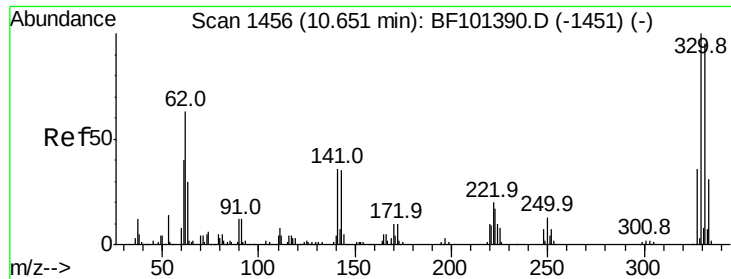
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	47.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 1.648 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

Instrument :

BNA_F

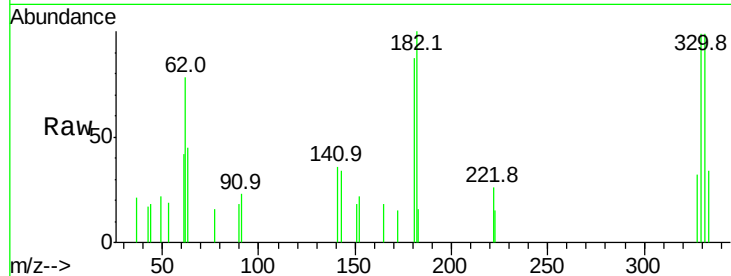
ClientSampled :

ROLL-OFF-4

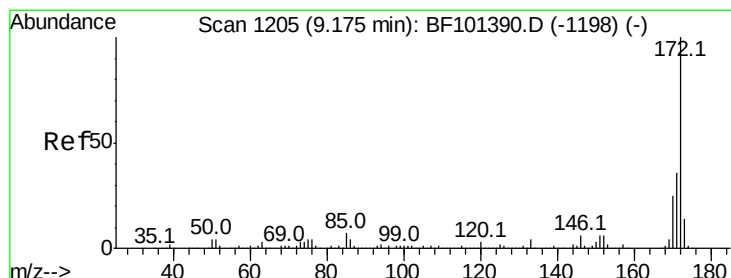
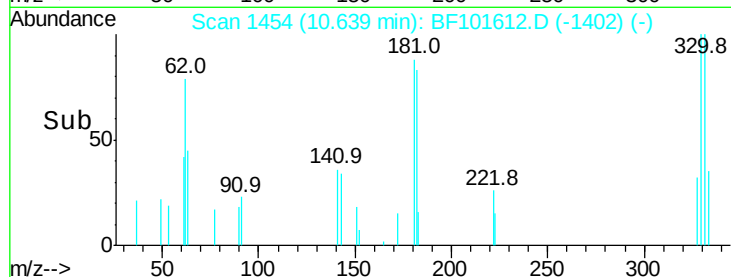
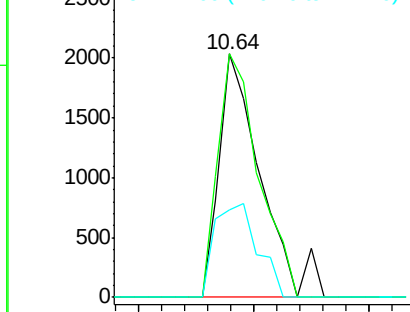
Tot Ion:	330	Resp:	2542
Ion Ratio	Lower	Upper	
330	100		
332	98.0	77.0	115.6
141	39.5	29.9	44.9

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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: 2.125 ng

RT: 9.16 min Scan# 1202

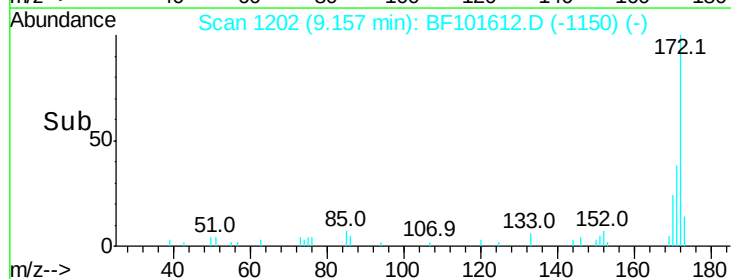
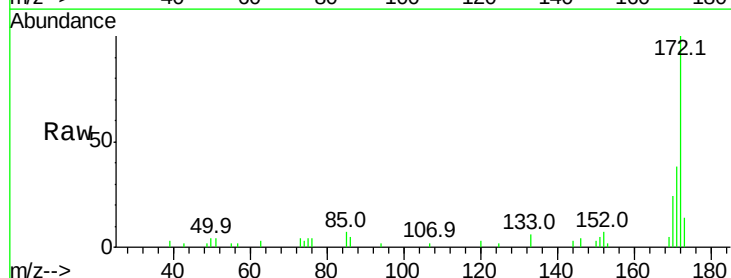
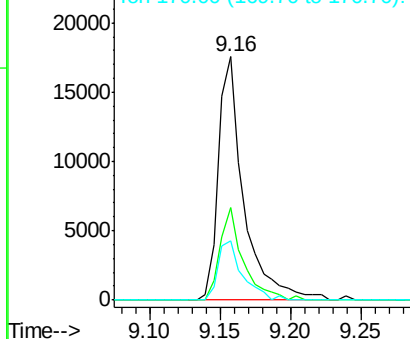
Delta R.T. 0.01 min

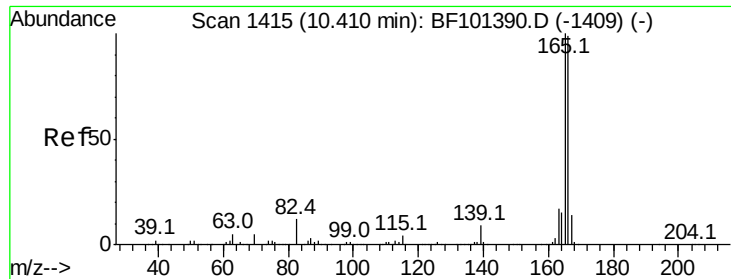
Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

Tgt Ion:	172	Resp:	21926
Ion Ratio	Lower	Upper	
172	100		
171	38.2	29.7	44.5
170	24.3	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





#57

Fluorene

Concen: 2.585 ng

RT: 10.39 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-4

Tot Ion:166 Resp: 28638

Ion Ratio Lower Upper

166 100

165 101.9 79.8 119.8

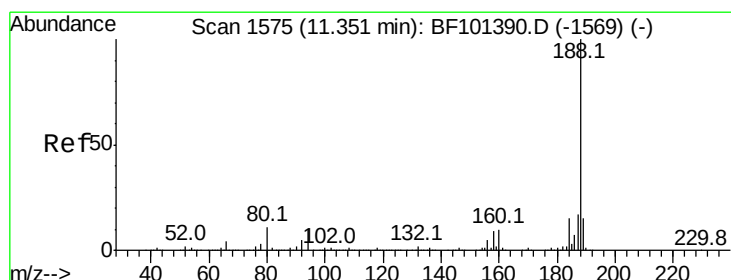
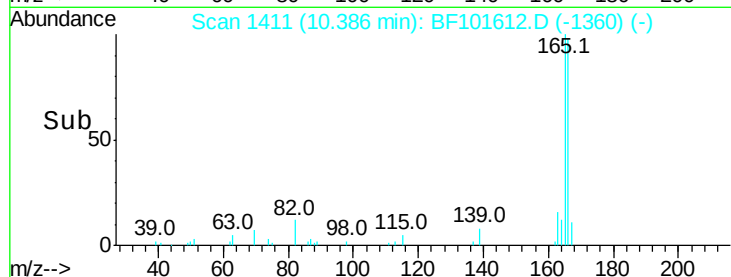
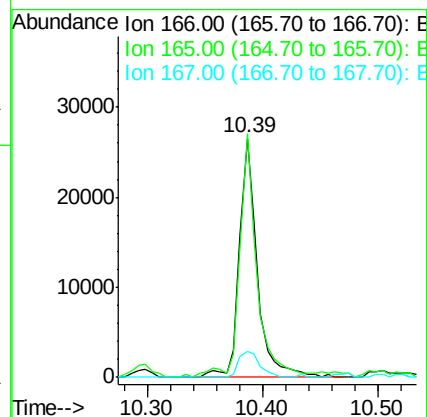
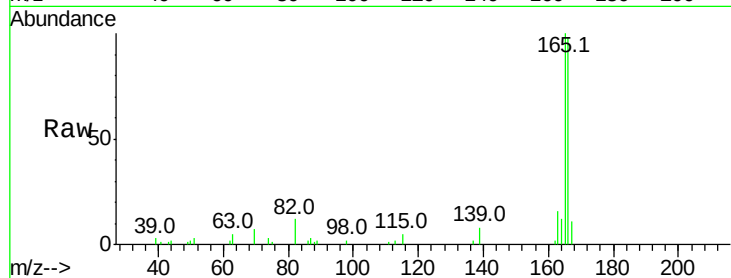
167 10.9 10.6 16.0

Manual Integrations

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

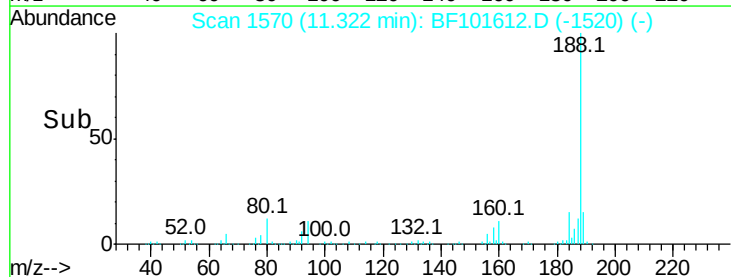
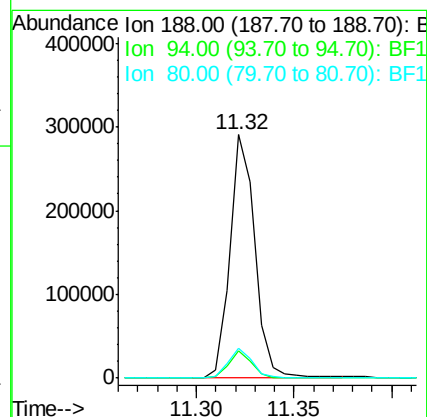
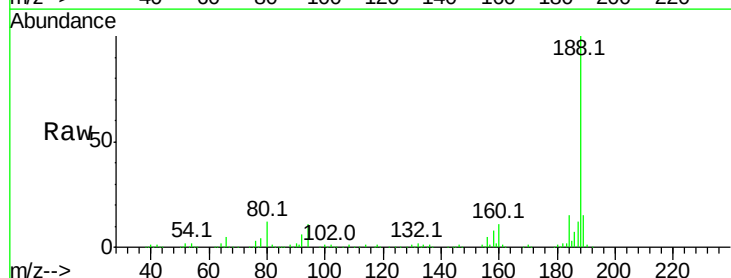
Tgt Ion:188 Resp: 257979

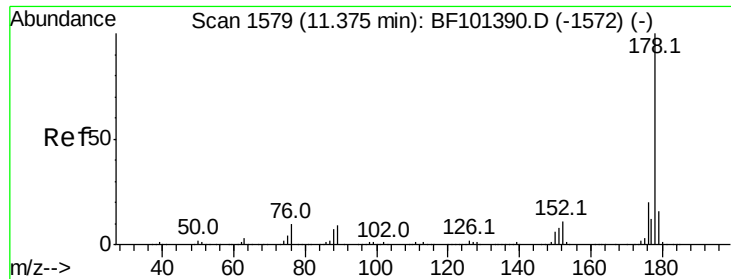
Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

80 12.3 9.2 13.8





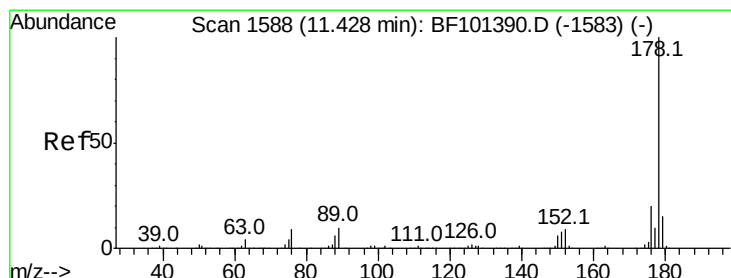
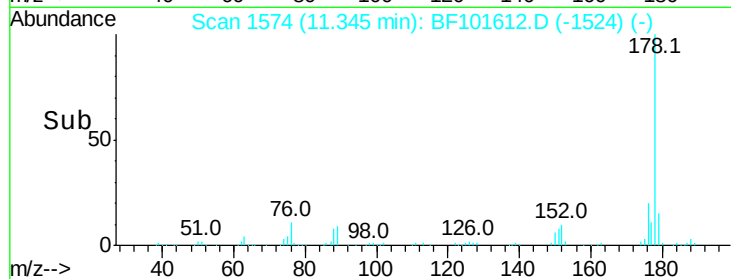
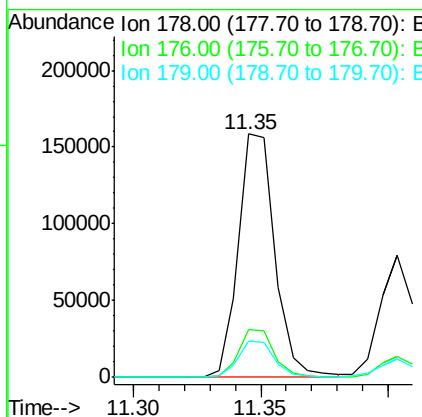
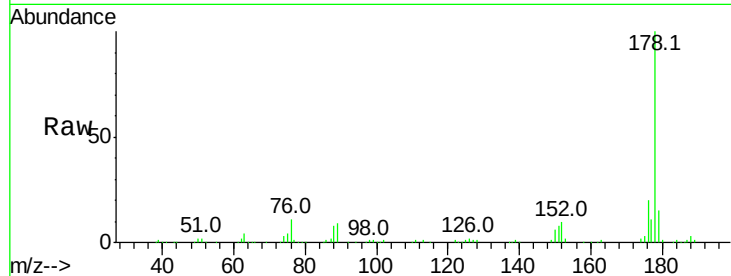
#70
Phenanthrene
Concen: 11.070 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.1	13.0	19.6

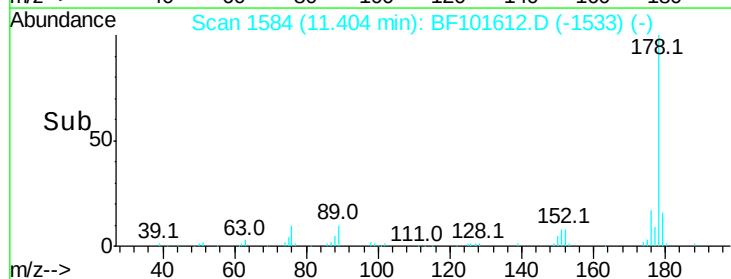
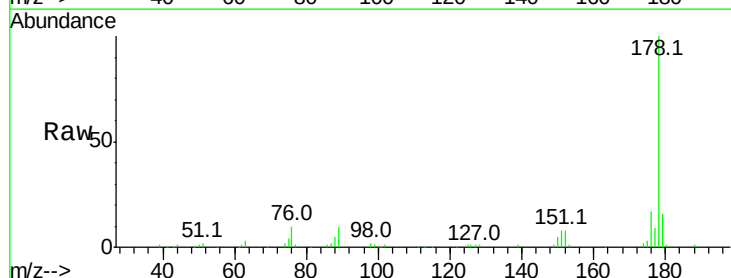
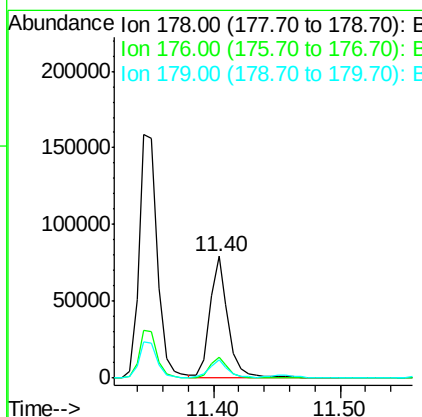
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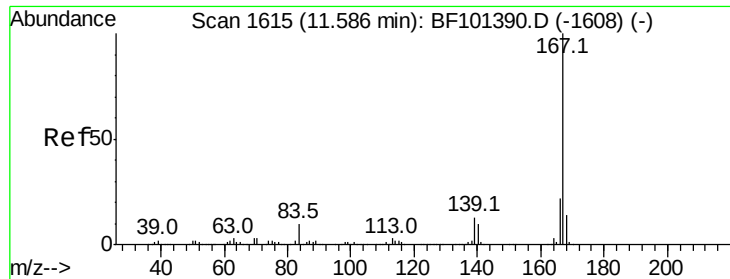
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#71
Anthracene
Concen: 5.539 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	15.5	12.6	19.0





#72

Carbazole

Concen: 2.262 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

Instrument :

BNA_F

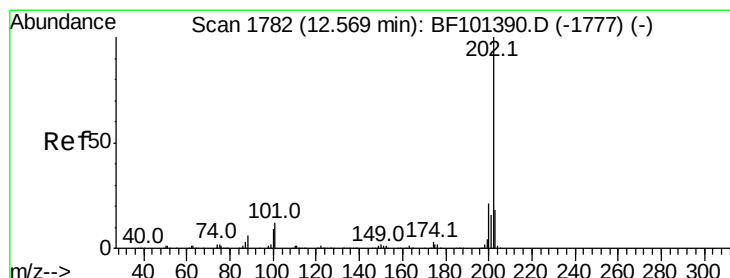
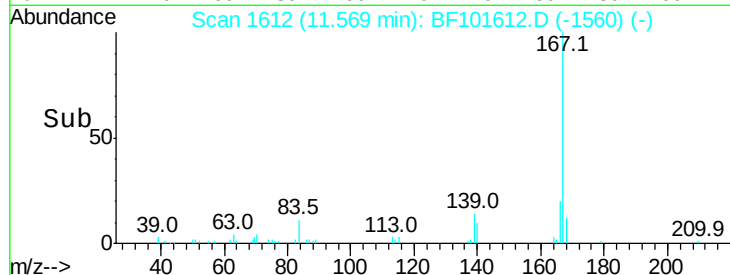
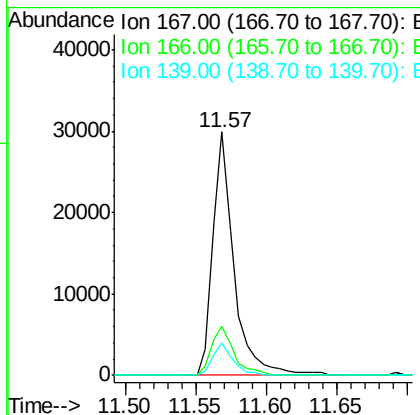
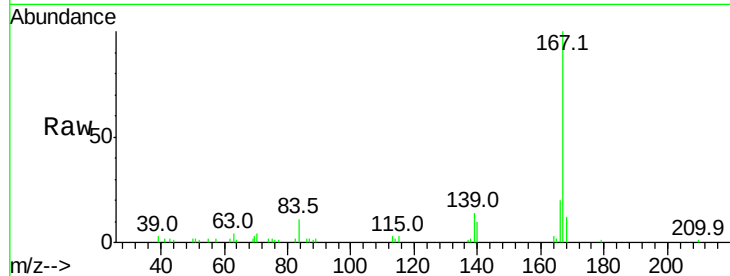
ClientSampled :

ROLL-OFF-4

Tot Ion:	167	Resp:	31032
Ion Ratio	Lower	Upper	
167	100		
166	20.2	17.6	26.4
139	13.5	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 15.318 ng

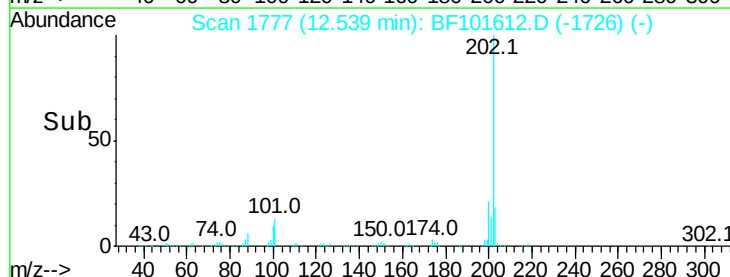
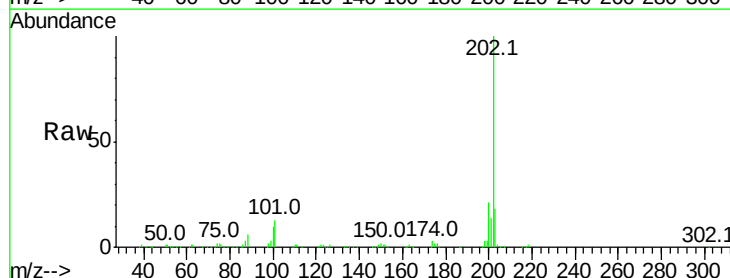
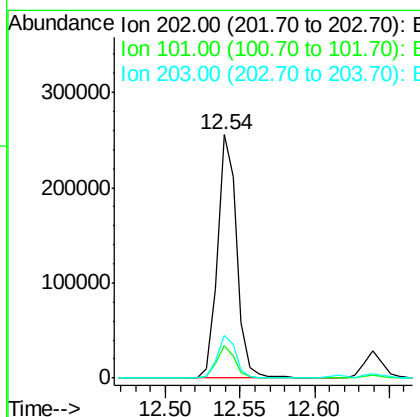
RT: 12.54 min Scan# 1777

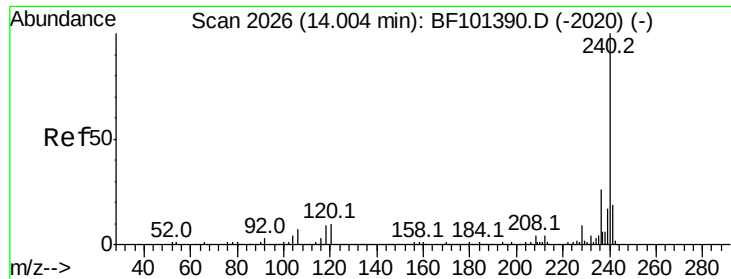
Delta R.T. 0.00 min

Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

Tgt Ion:	202	Resp:	230676
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	34.1
203	17.6	0.0	38.1





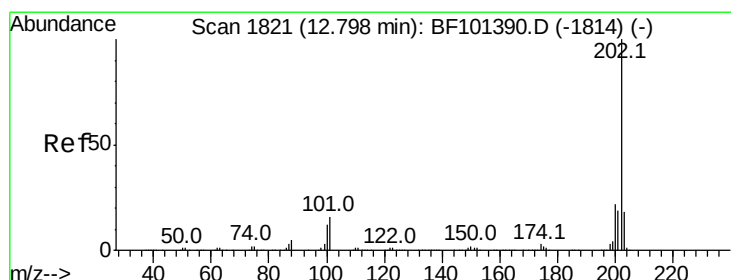
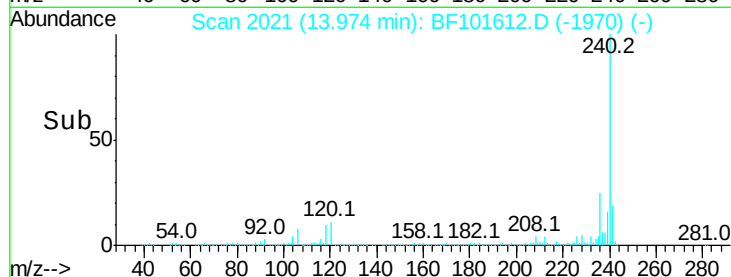
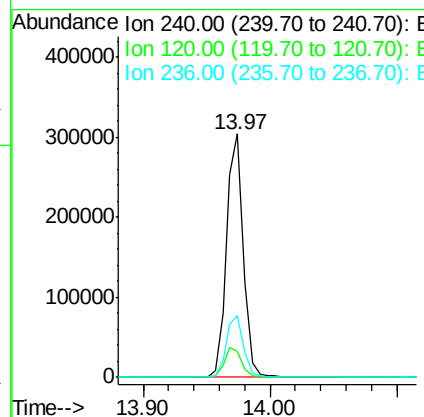
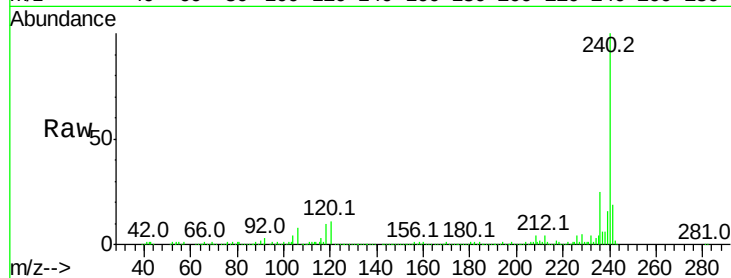
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tot Ion	Ratio	Resp	Lower	Upper
240	100	281344		
120	10.9		9.5	14.3
236	25.2		20.7	31.1

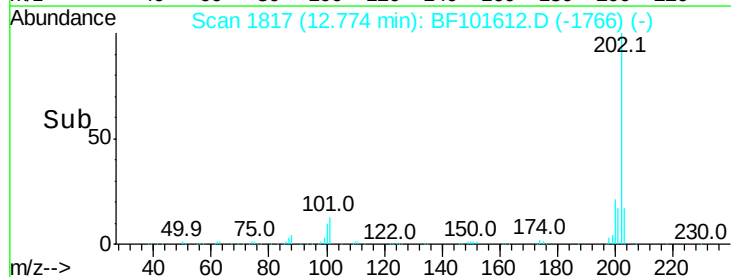
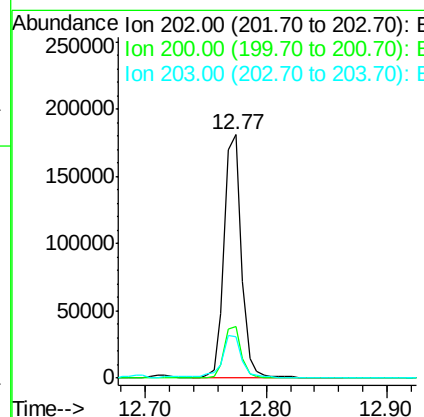
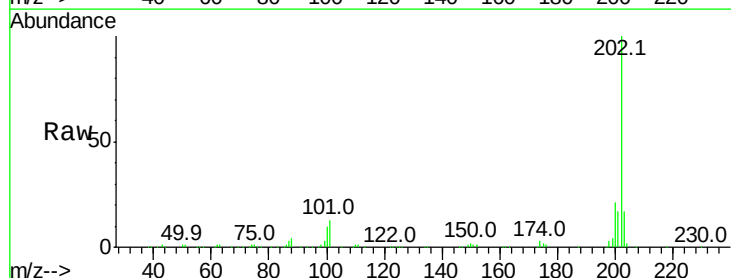
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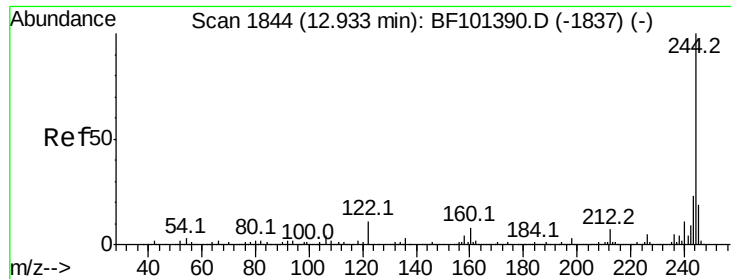
Sohil
12/22/2017 12:42:07 PM



#77
Pyrene
Concen: 8.374 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	176822		
200	21.1		17.4	26.2
203	17.1		14.3	21.5





#78

Terphenyl-d14

Concen: 1.576 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

Instrument :

BNA_F

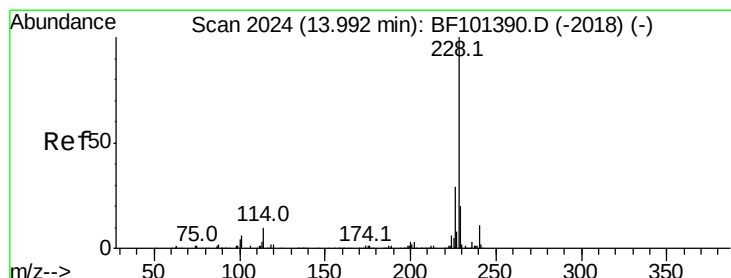
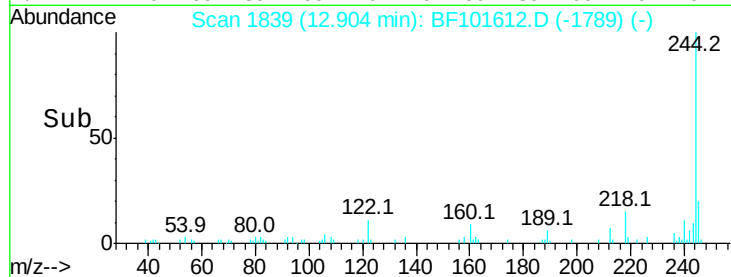
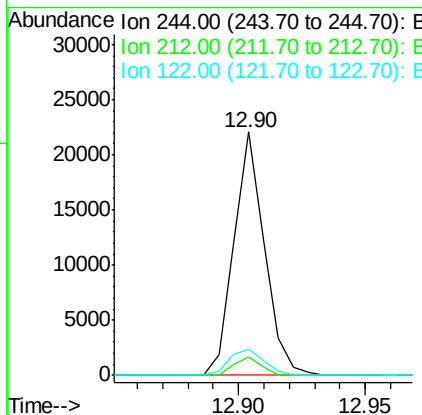
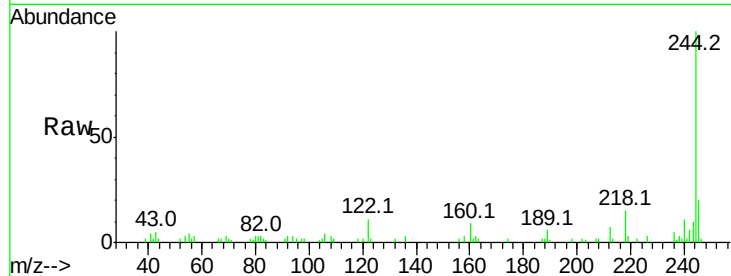
ClientSampleId :

ROLL-OFF-4

Tot Ion:	244	Resp:	18398
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.4	8.0
122	10.9	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 5.525 ng

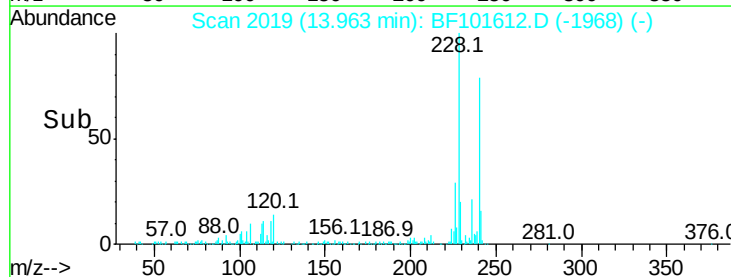
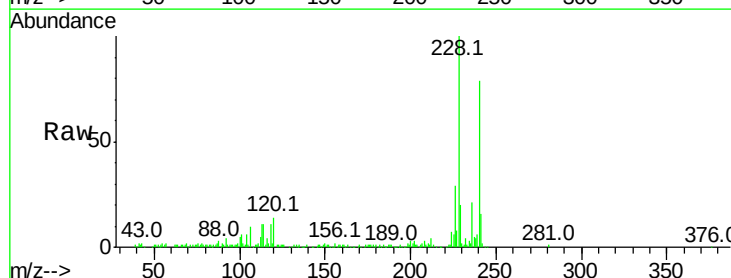
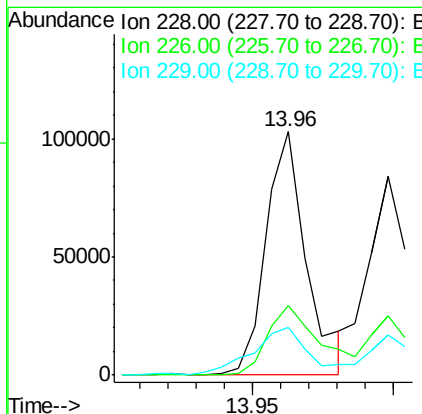
RT: 13.96 min Scan# 2019

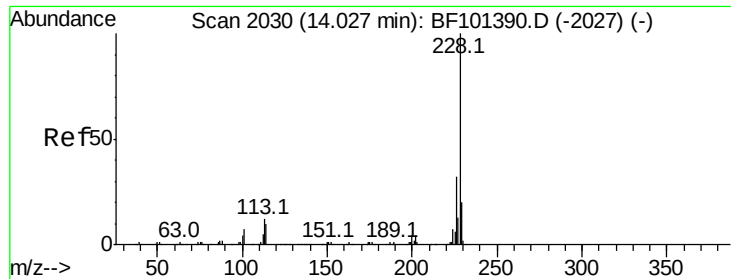
Delta R.T. 0.00 min

Lab File: BF101612.D

Acq: 21 Dec 2017 17:39

Tgt Ion:	228	Resp:	102637
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.6	33.8
229	19.9	15.8	23.6





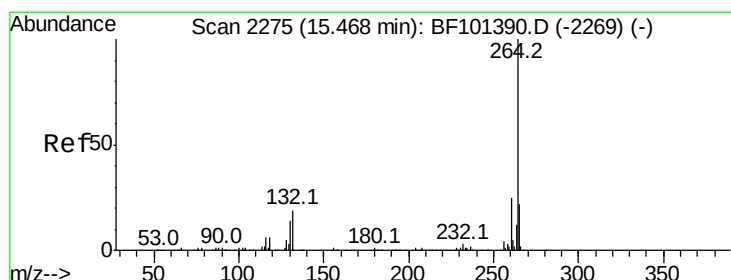
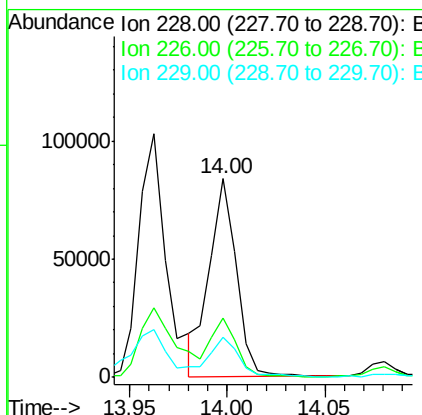
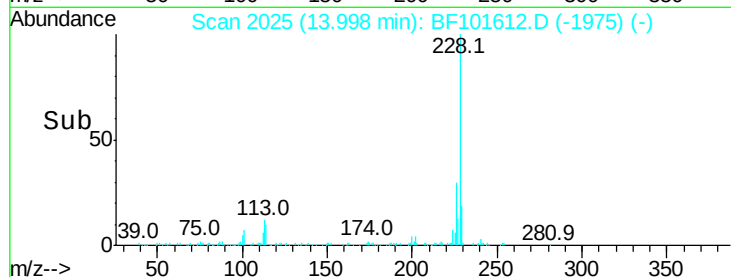
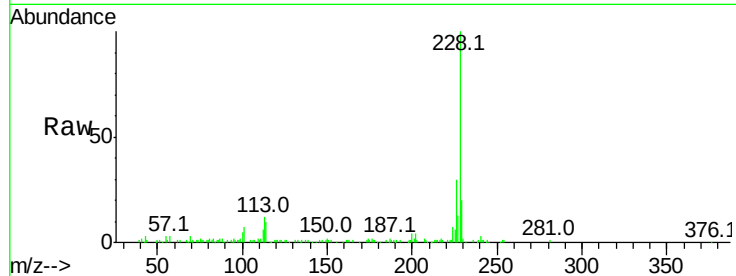
#82
Chrysene
Concen: 4.607 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Instrument :
BNA_F
ClientSampled :
ROLL-OFF-4

Tot Ion:	228	Resp:	80809
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	20.0	16.2	24.4

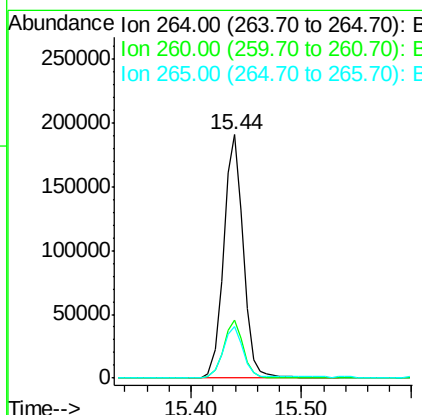
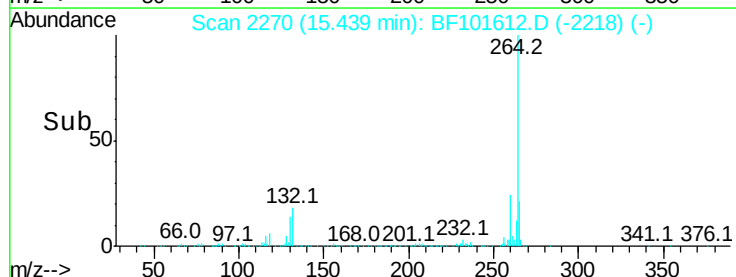
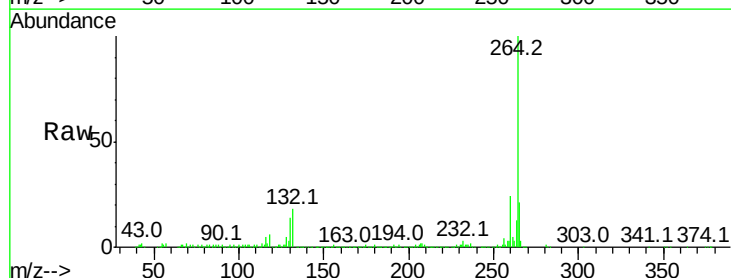
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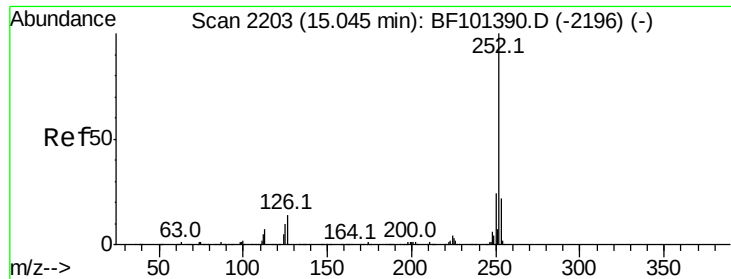
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Tgt Ion:	264	Resp:	237174
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.5	17.5	26.3





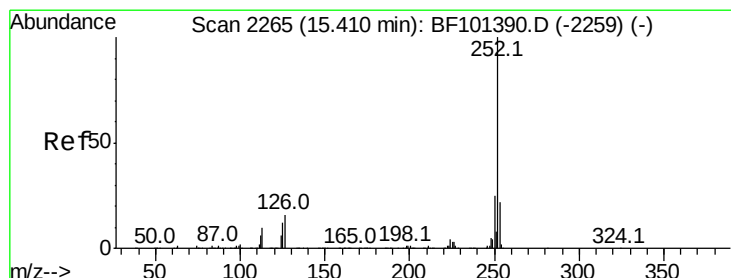
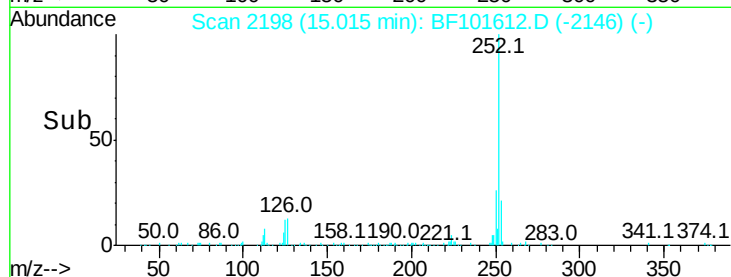
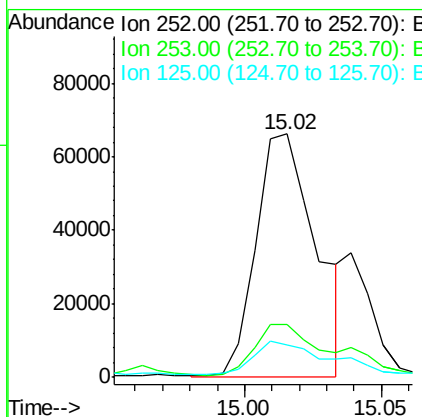
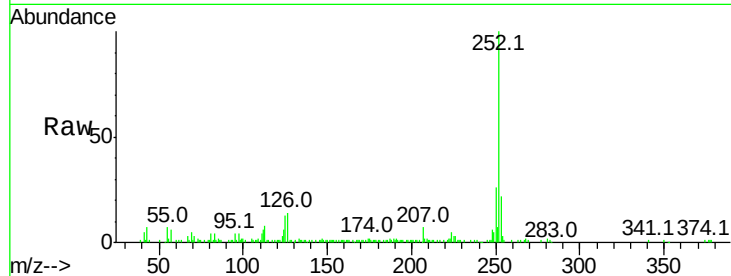
#87
Benzo(b)fluoranthene
Concen: 7.012 ng/mL
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	13.3	9.0	13.6

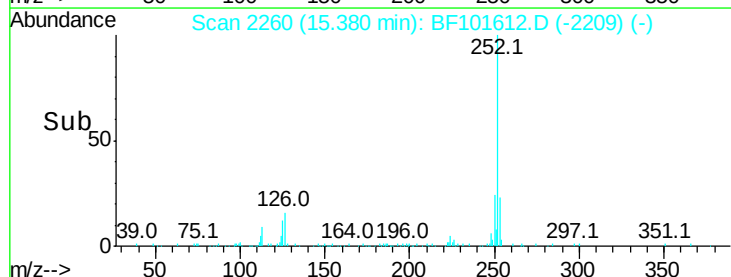
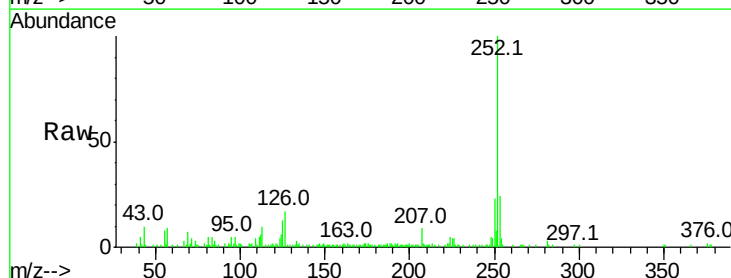
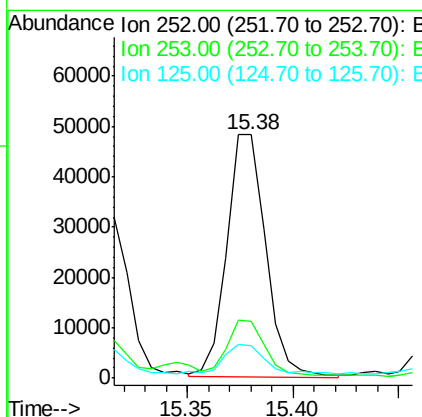
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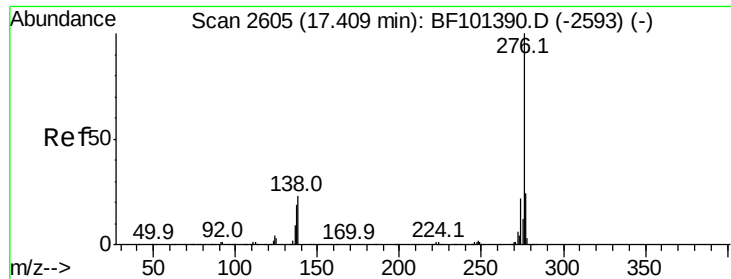
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#89
Benzo(a)pyrene
Concen: 4.613 ng/mL
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF101612.D
Acq: 21 Dec 2017 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	13.2	9.8	14.6





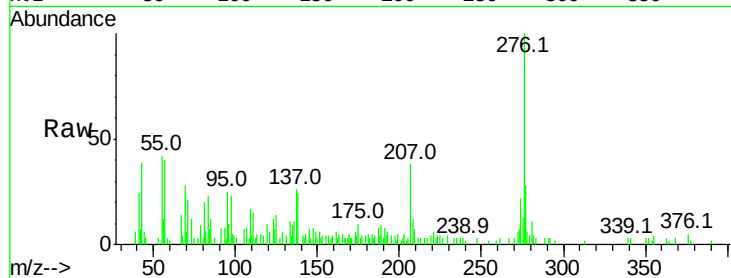
#91
 Benzo(a,h,i)perylene
 Concen: 2.456 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. 0.02 min
 Lab File: BF101612.D
 Acq: 21 Dec 2017 17:39

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.2	17.9	26.9#
138	24.0	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

