

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108214.D
 Acq On : 17 Aug 2018 00:03
 Operator : JU/SJ
 Sample : J4483-02 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOD1-IB-0-4

Manual Integrations
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Quant Time: Aug 17 05:06:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	152685	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	566892	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	260354	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	486809	20.00	ng	0.00
75) Chrysene-d12	14.21	240	462036	20.00	ng	0.00
86) Perylene-d12	15.77	264	361126	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	196967	23.36	ng	0.00
7) Phenol-d6	6.62	99	253636	22.63	ng	0.00
23) Nitrobenzene-d5	7.57	82	160011	15.75	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	51262	19.74	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	240847	14.85	ng	0.00
78) Terphenyl-d14	13.14	244	266584	14.67	ng	-0.01
Target Compounds						
70) Phenanthrene	11.58	178	271324	11.817	ng	97
71) Anthracene	11.63	178	74944	3.185	ng	98
74) Fluoranthene	12.78	202	430410	17.176	ng	95
77) Pyrene	13.01	202	484097	16.549	ng	99
80) Benzo(a)anthracene	14.20	228	220727	8.324	ng	98
82) Chrysene	14.24	228	175193	7.207	ng	98
85) Indeno(1,2,3-cd)pyrene	17.38	276	42663m	2.025	ng	
87) Benzo(b)fluoranthene	15.30	252	138886m	6.436	ng	
88) Benzo(k)fluoranthene	15.33	252	50594m	2.551	ng	
89) Benzo(a)pyrene	15.70	252	106192	5.496	ng	98
91) Benzo(g,h,i)perylene	17.87	276	37492m	2.381	ng	

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

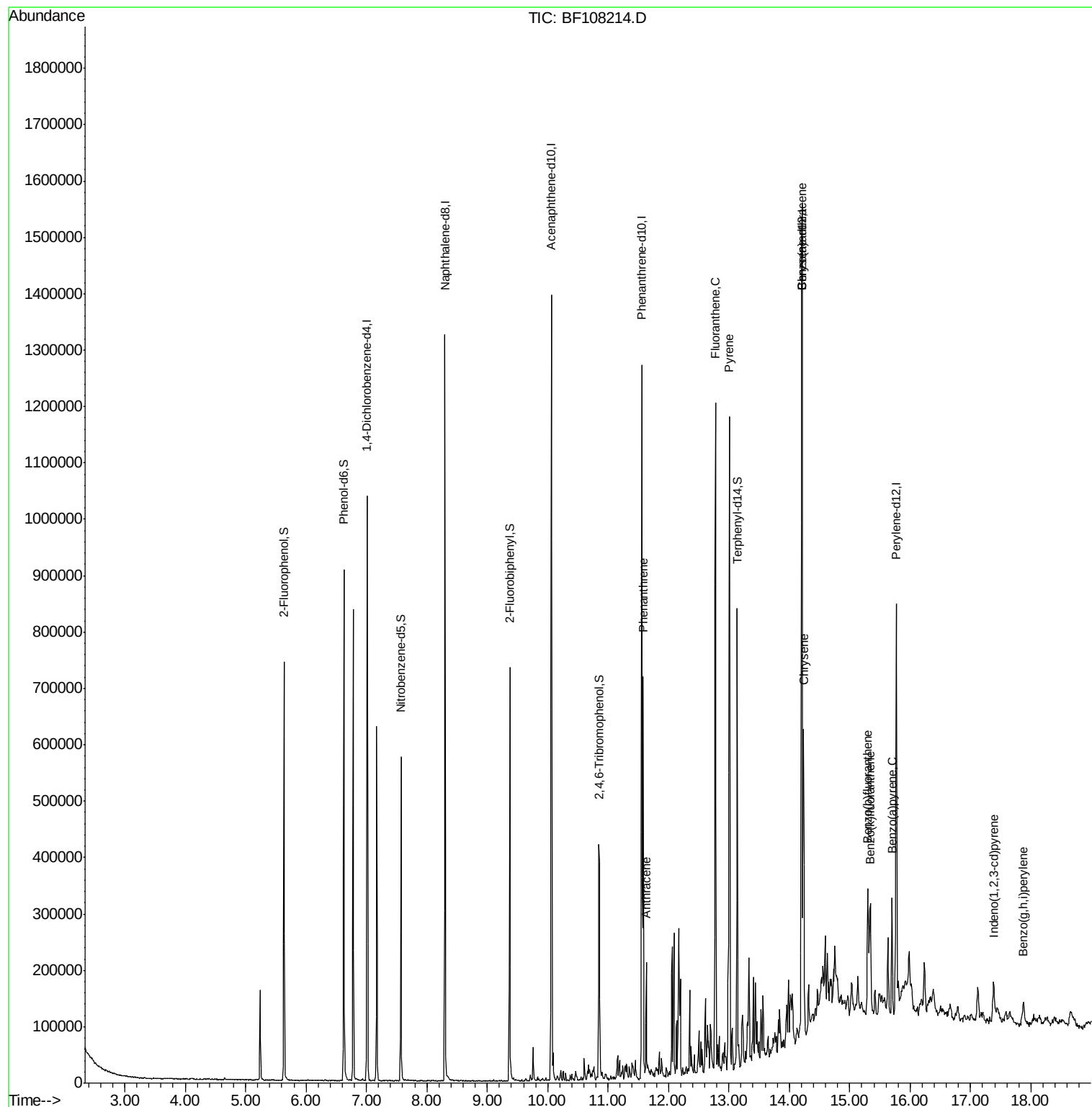
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108214.D
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Sample : J4483-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

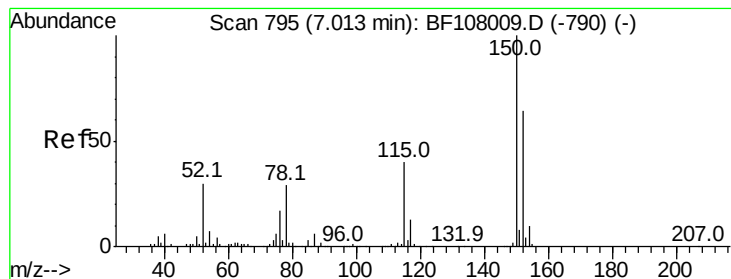
Instrument :
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TOD1-IB-0-4

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#1

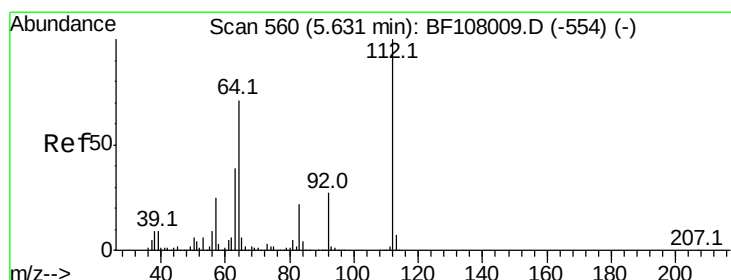
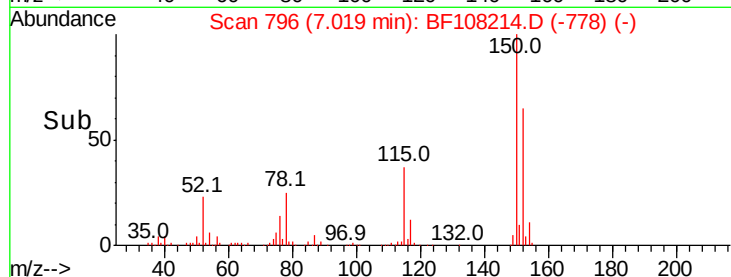
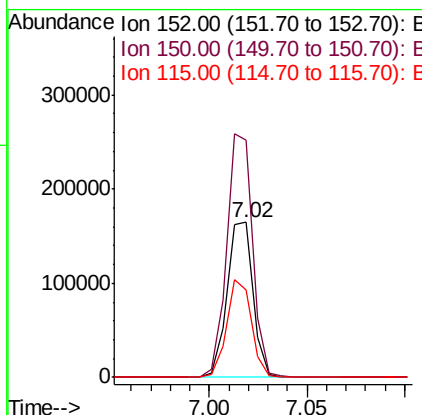
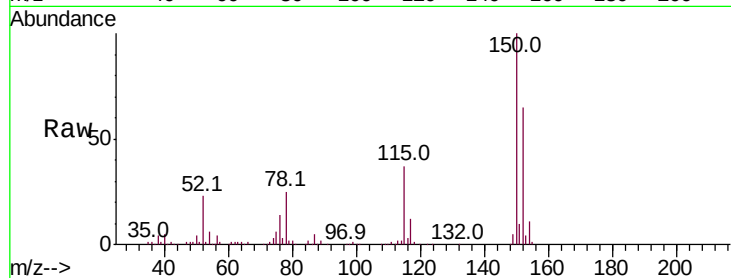
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Instrument :
BNA_F
ClientSampleId :
TOD1-IB-0-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	56.6	50.1	75.1

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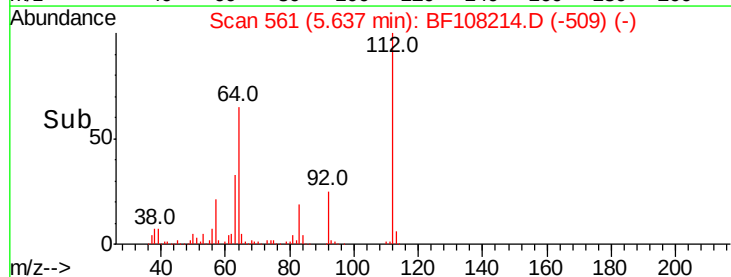
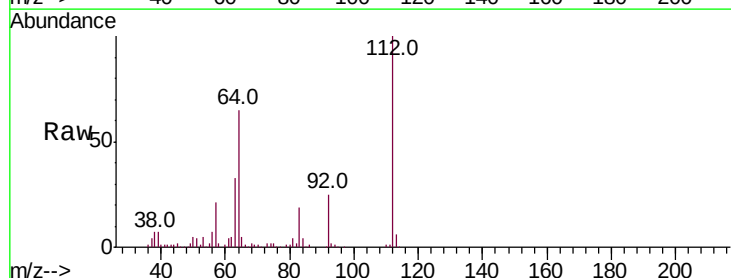
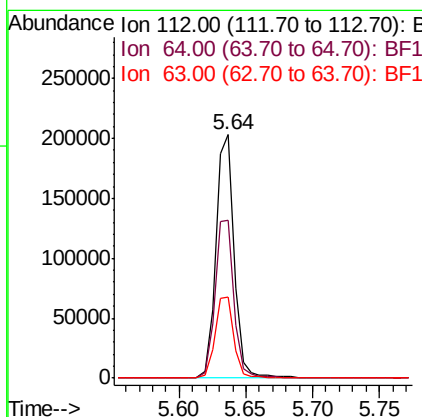
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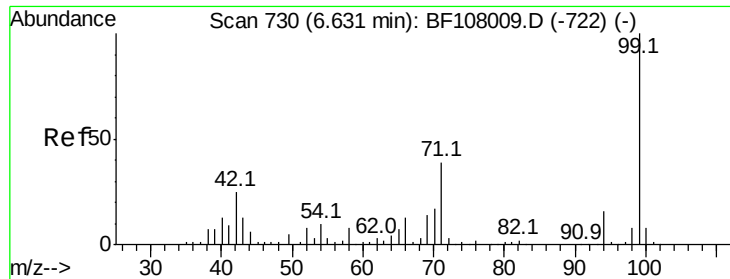


#5

2-Fluorophenol
Concen: 23.355 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	47.9	71.9
63	33.3	23.7	35.5





#7

Phenol-d6

Concen: 22.632 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

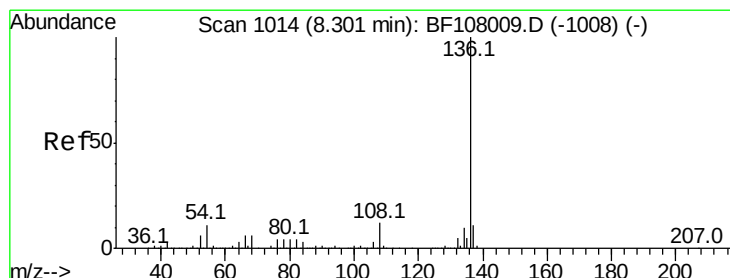
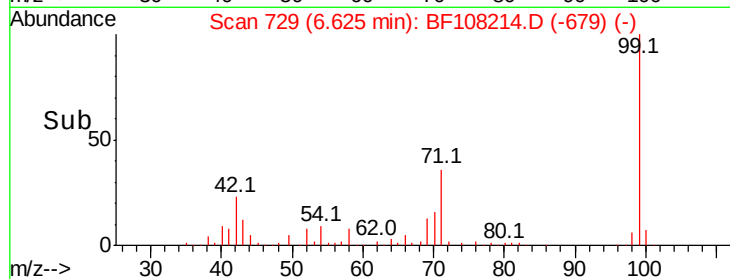
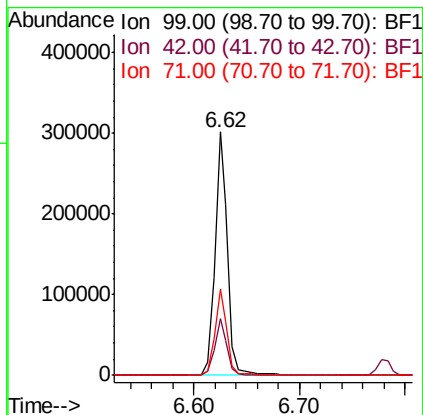
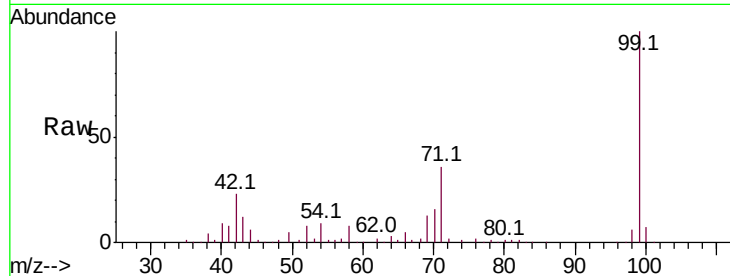
ClientSampled :

TOD1-IB-0-4

Tot Ion	99	Resp	253636
Ion	Ratio	Lower	Upper
99	100		
42	23.2	14.5	21.7#
71	35.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

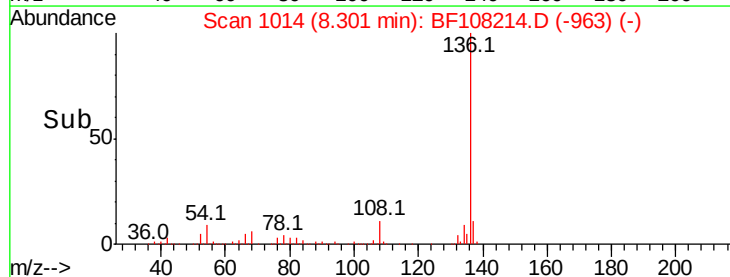
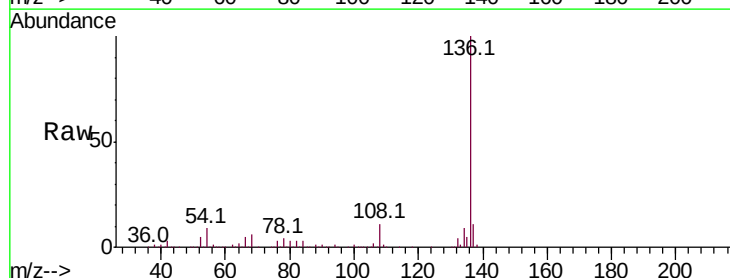
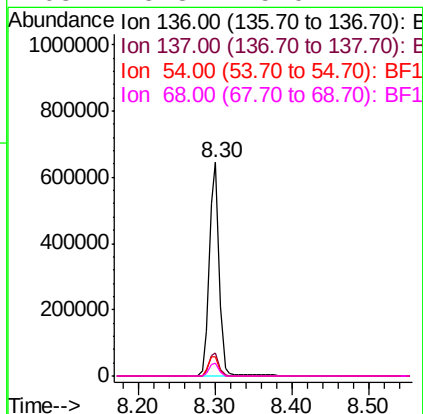
RT: 8.30 min Scan# 1014

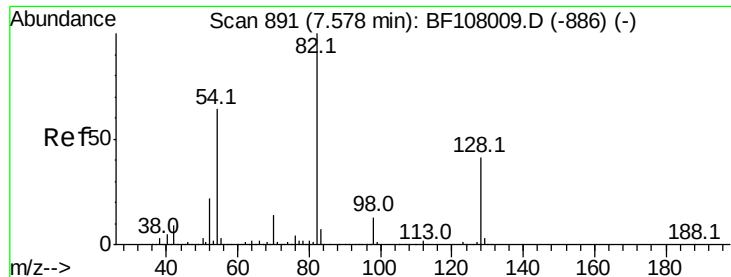
Delta R.T. 0.00 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Tgt Ion	136	Resp	566892
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	5.8	5.0	7.4





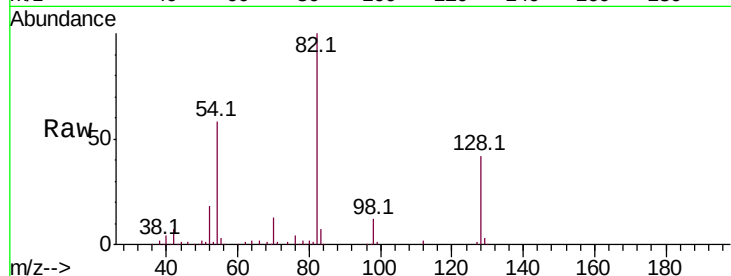
#23
 Nitrobenzene-d5
 Concen: 15.751 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Instrument :
 BNA_F
 ClientSampled :
 TOD1-IB-0-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100	160011		
128	42.2	36.1	54.1	
54	57.7	41.4	62.2	

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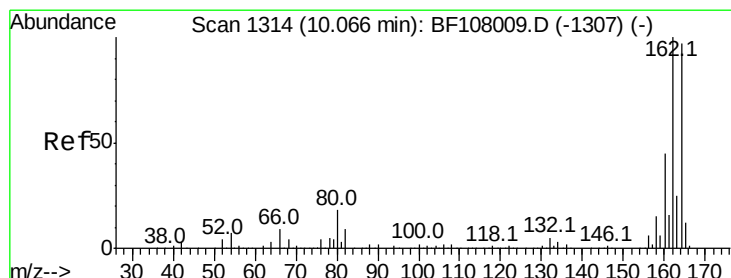
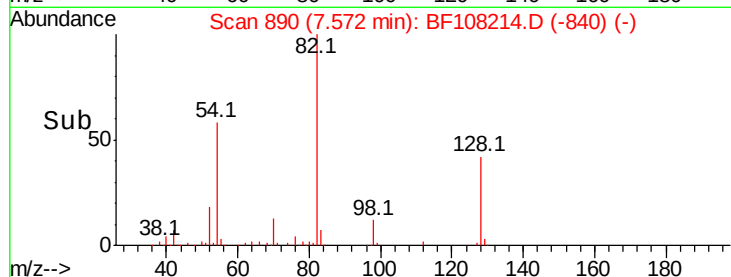
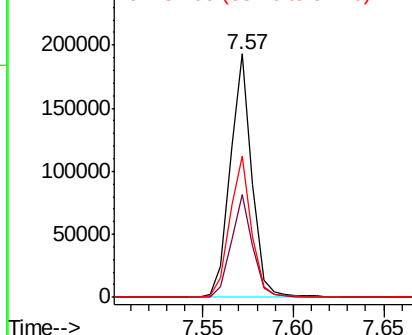


Abundance

Ion 82.00 (81.70 to 82.70): BF1

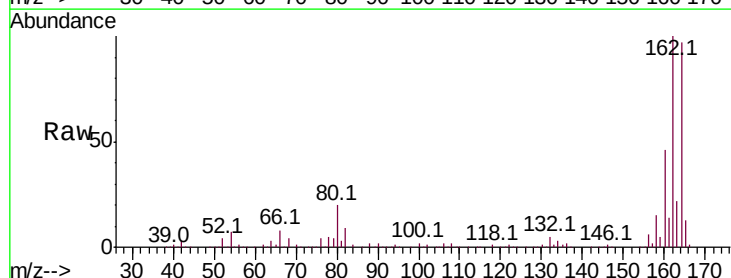
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	260354		
162	103.4	86.1	129.1	
160	47.7	38.3	57.5	

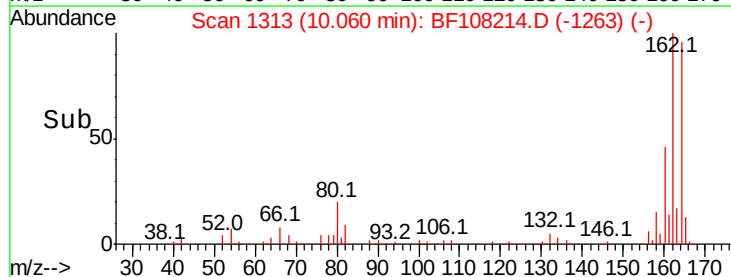
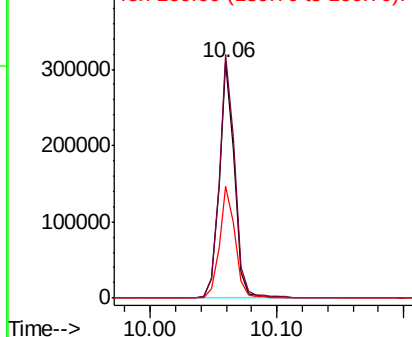


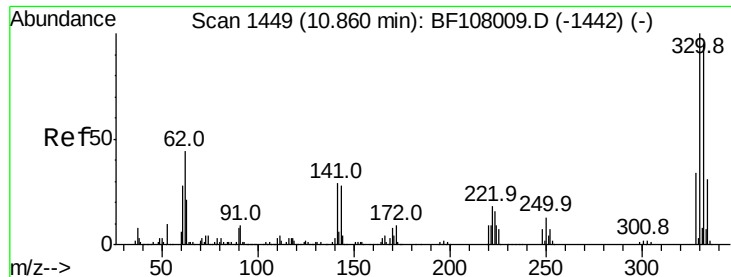
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





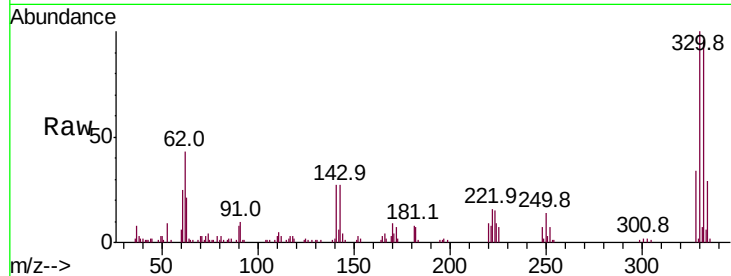
#41
 2,4,6-Tribromophenol
 Concen: 19.739 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Instrument :
 BNA_F
 ClientSampleId :
 TOD1-IB-0-4

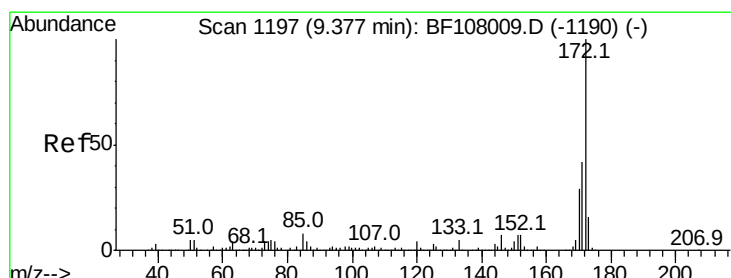
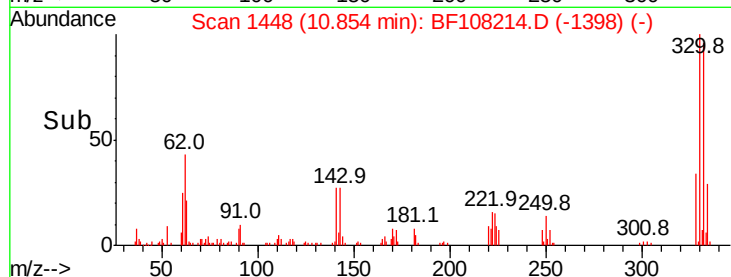
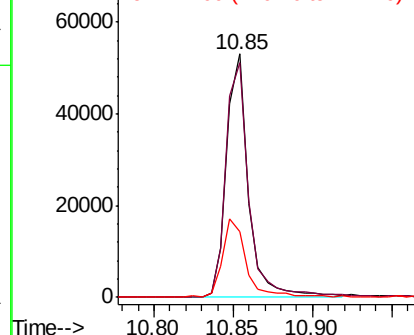
Tot Ion	Ratio	Lower	Upper
330	100		
332	101.2	77.0	115.6
141	35.0	29.9	44.9

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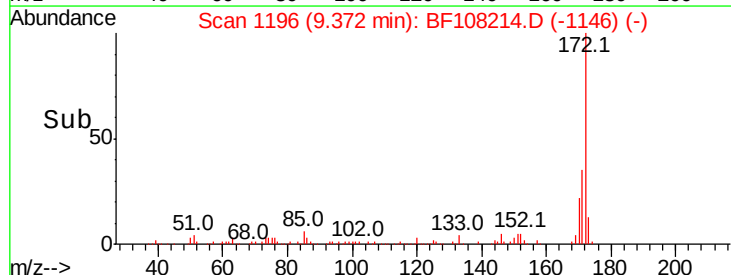
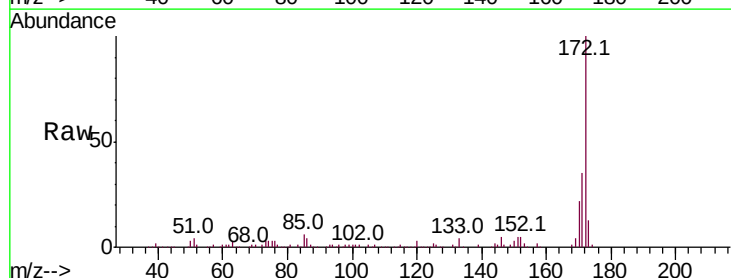
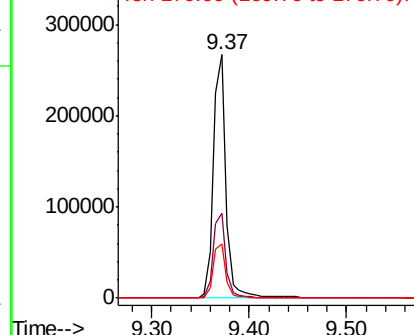
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

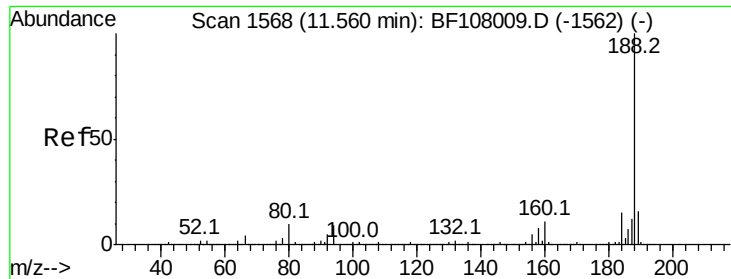


#44
 2-Fluorobiphenyl
 Concen: 14.852 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.4	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





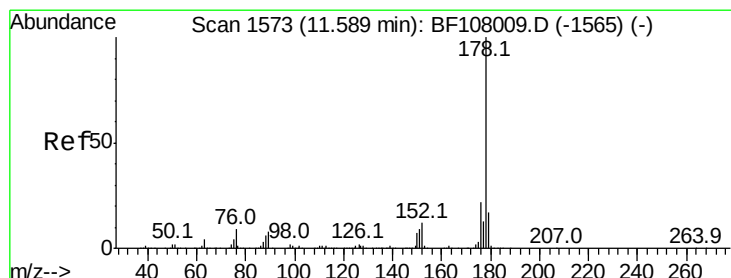
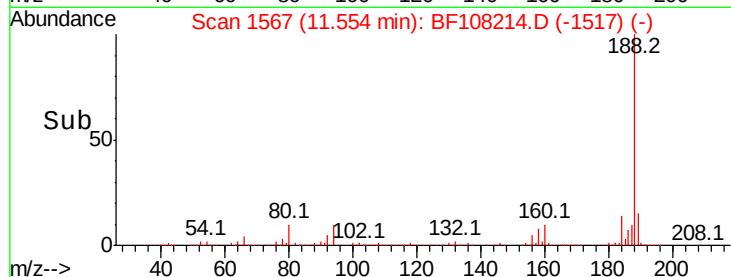
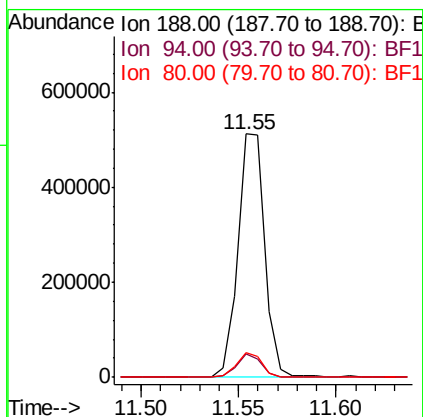
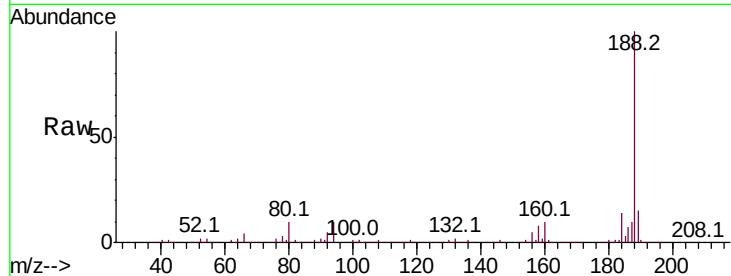
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Instrument :
BNA_F
ClientSampleId :
TOD1-IB-0-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.7	8.5	12.7	
80	10.4	9.2	13.8	

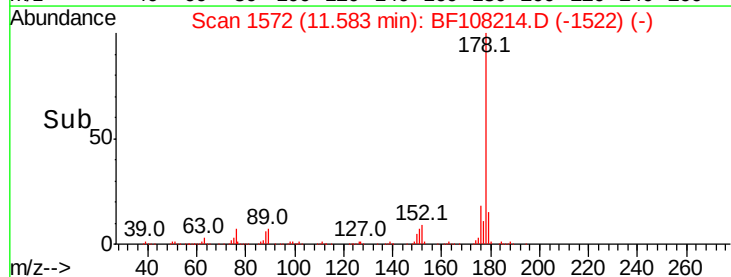
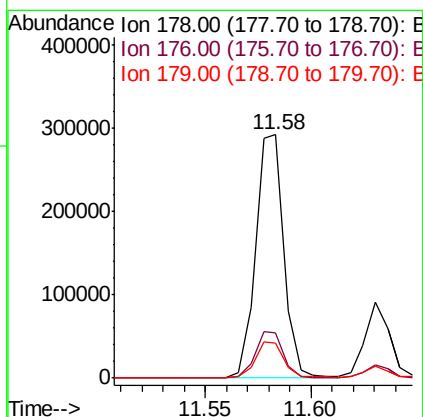
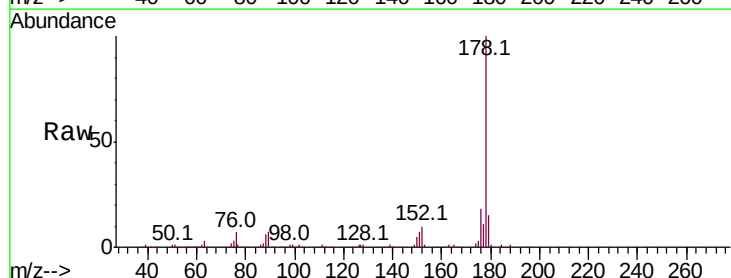
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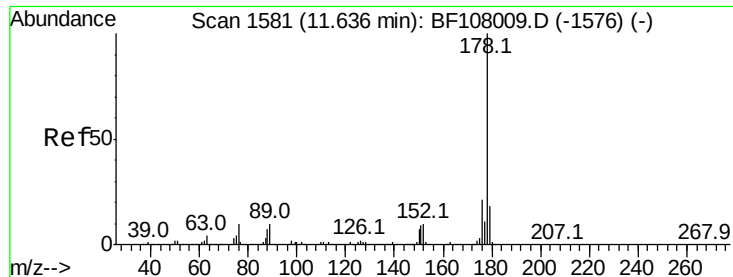
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#70
Phenanthrene
Concen: 11.817 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	18.4	15.8	23.8	
179	14.6	13.0	19.6	





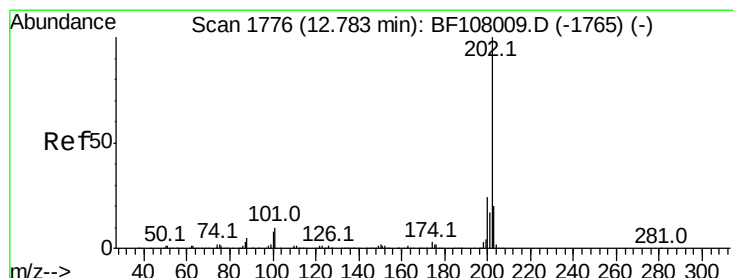
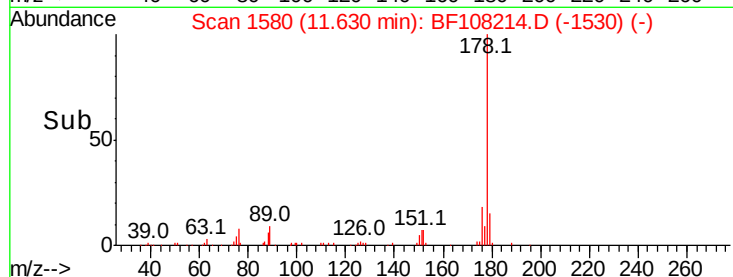
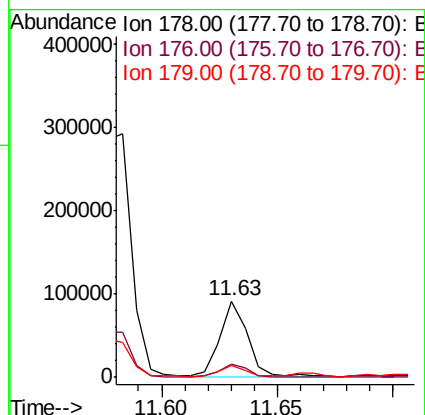
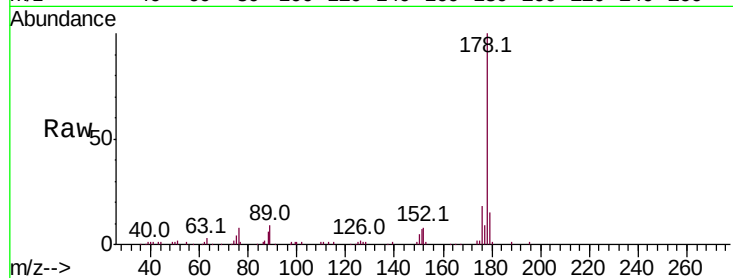
#71
 Anthracene
 Concen: 3.185 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Instrument :
 BNA_F
 ClientSampled :
 TOD1-IB-0-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.2	12.6	19.0

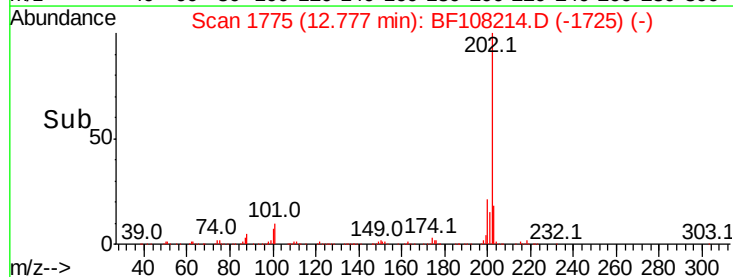
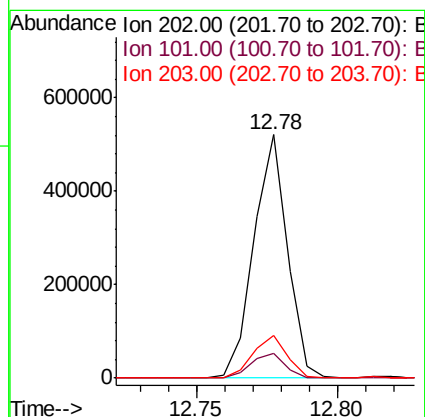
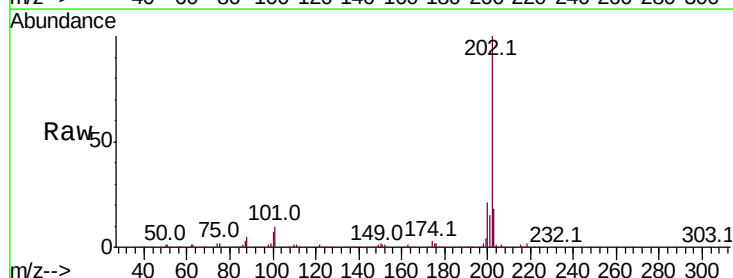
Manual Integrations
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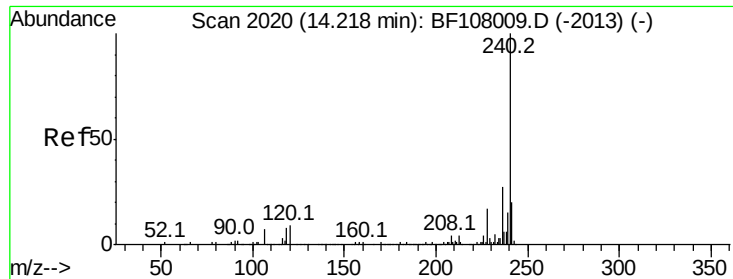
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#74
 Fluoranthene
 Concen: 17.176 ng
 RT: 12.78 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

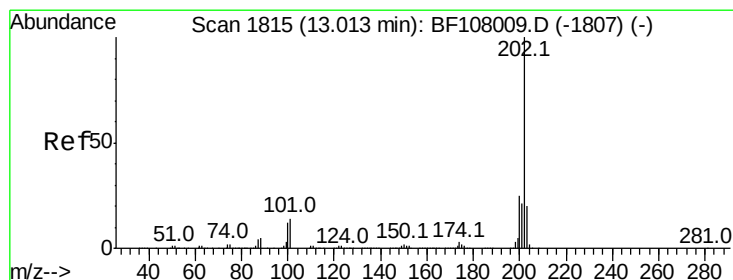
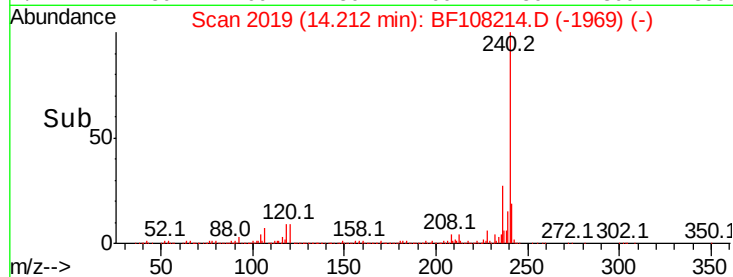
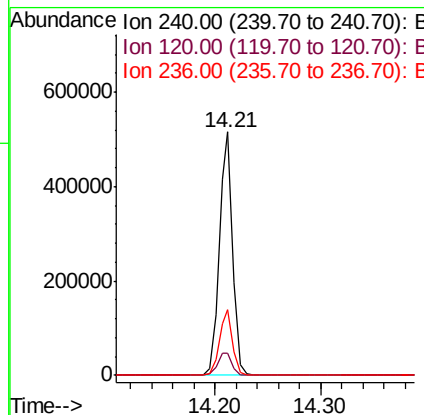
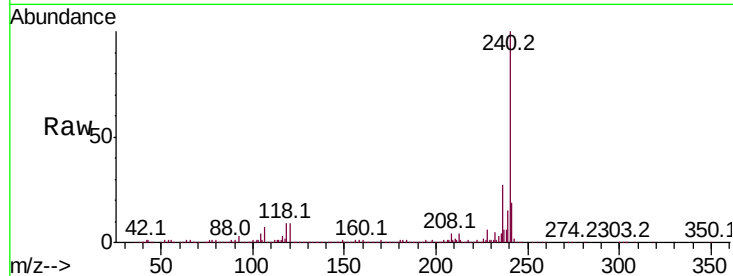
ClientSampleId :

TOD1-IB-0-4

Tot Ion:	240	Resp:	462036
Ion Ratio	Lower	Upper	
240	100		
120	9.2	9.5	14.3#
236	27.0	20.7	31.1

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#77

Pyrene

Concen: 16.549 ng

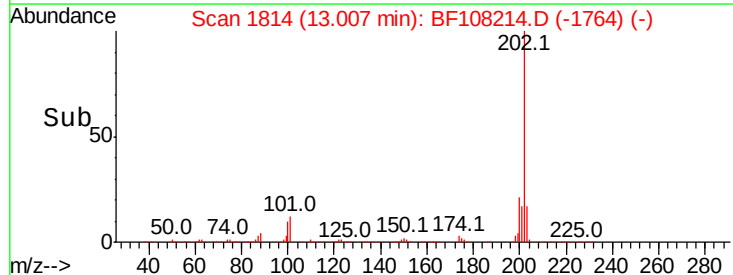
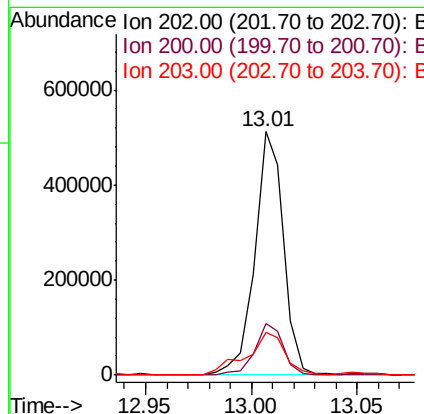
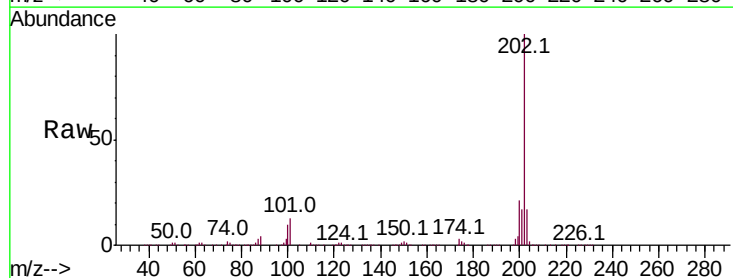
RT: 13.01 min Scan# 1814

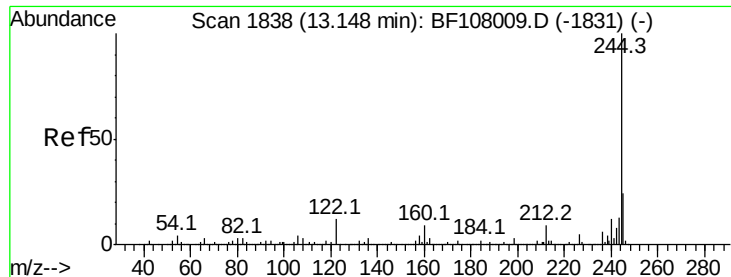
Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Tgt Ion:	202	Resp:	484097
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.4	14.3	21.5





#78

Terphenyl-d14

Concen: 14.670 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

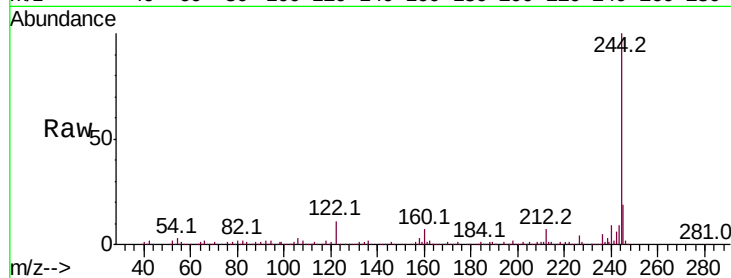
ClientSampled :

TOD1-IB-0-4

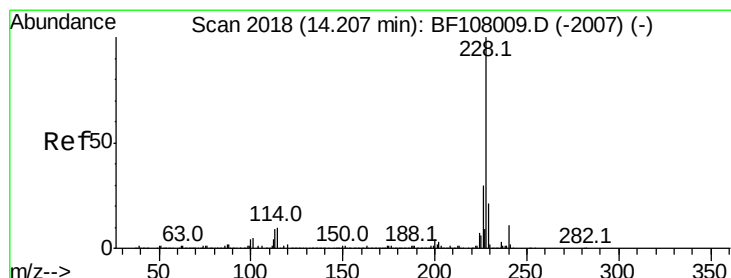
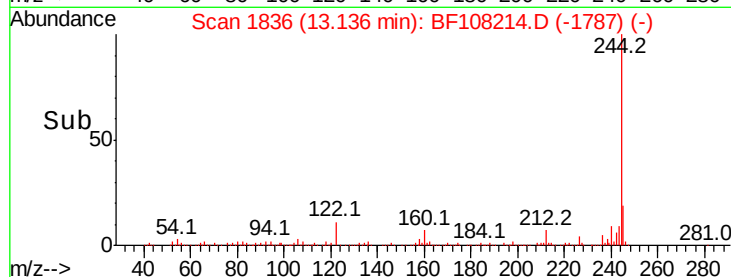
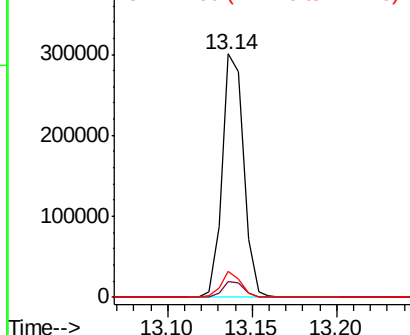
Tot Ion:	244	Resp:	266584
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	10.6	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 8.324 ng

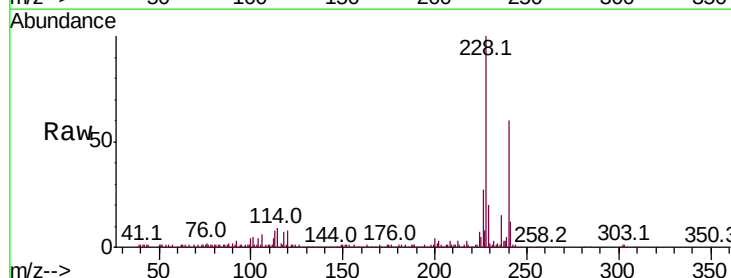
RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

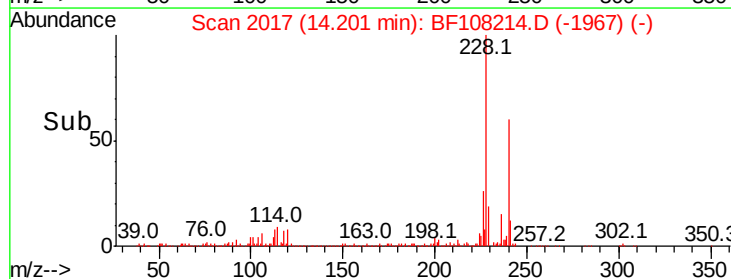
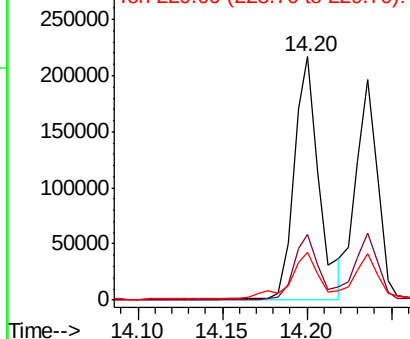
Lab File: BF108214.D

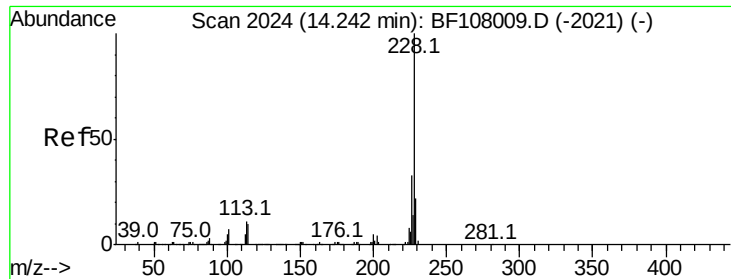
Acq: 17 Aug 2018 00:03

Tgt Ion:	228	Resp:	220727
Ion Ratio	Lower	Upper	
228	100		
226	26.8	22.6	33.8
229	19.6	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.207 ng

RT: 14.24 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

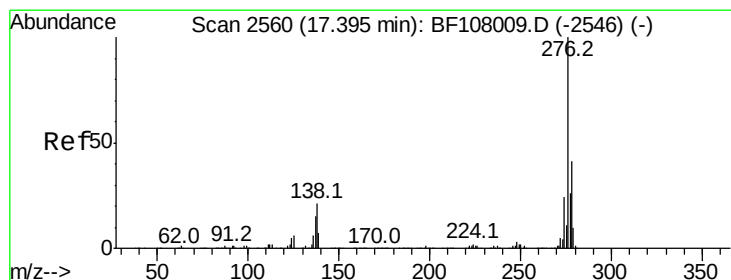
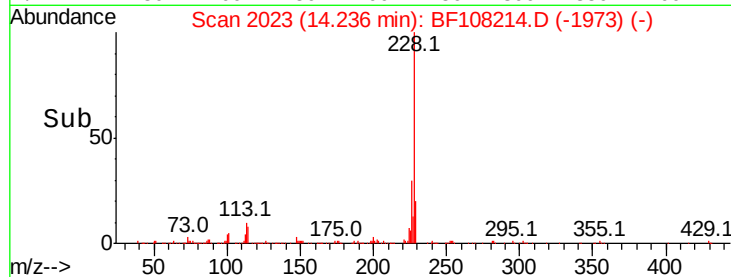
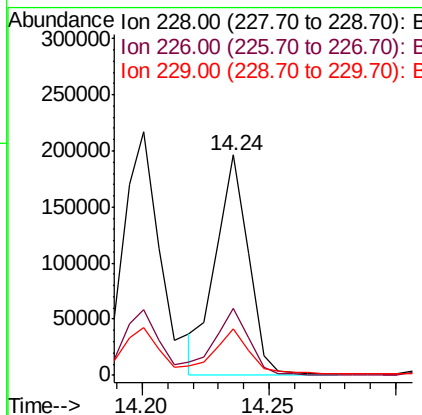
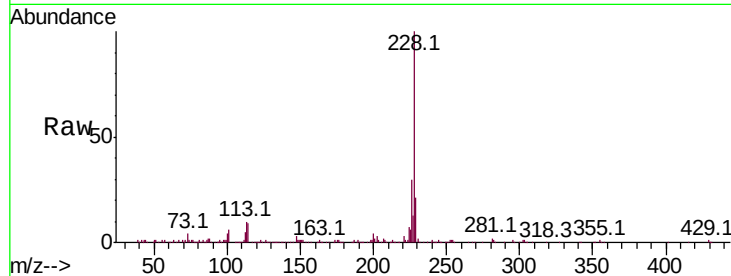
ClientSampleId :

TOD1-IB-0-4

Tot Ion:	228	Resp:	175193
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	20.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.025 ng m

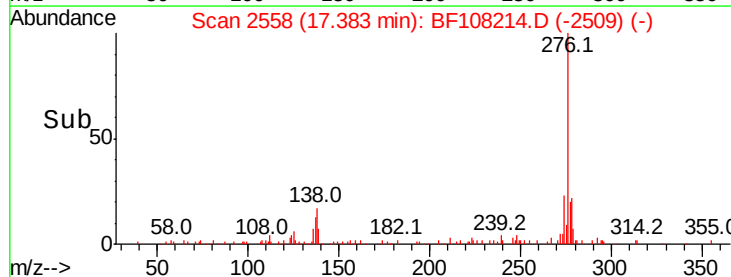
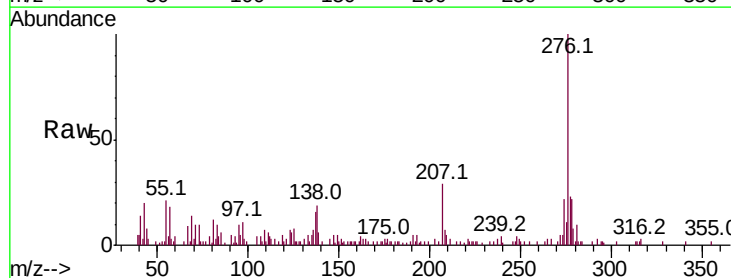
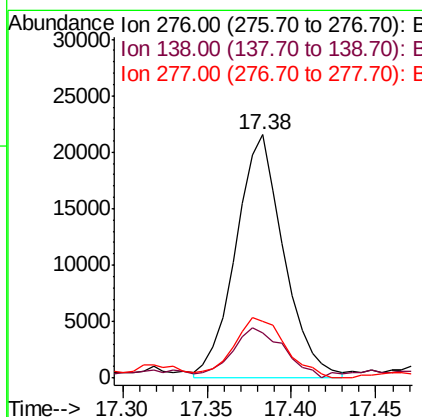
RT: 17.38 min Scan# 2558

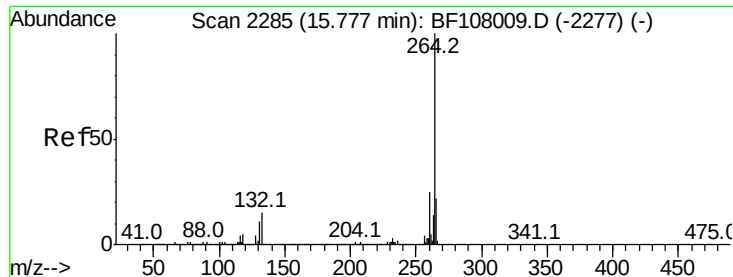
Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Tgt Ion:	276	Resp:	42663
Ion Ratio	Lower	Upper	
276	100		
138	2.1	25.0	37.6#
277	1.9	20.1	30.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Instrument :

BNA_F

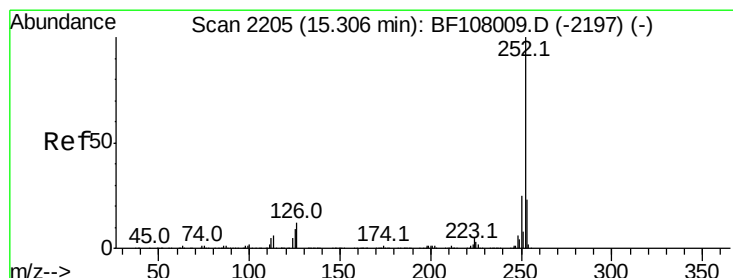
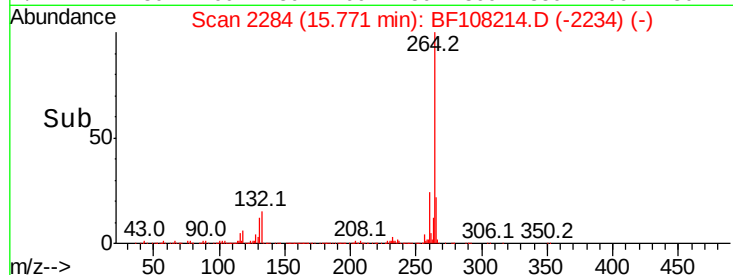
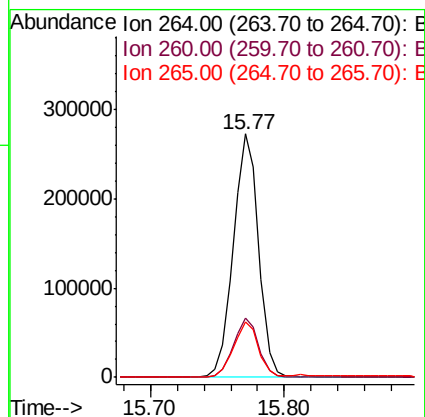
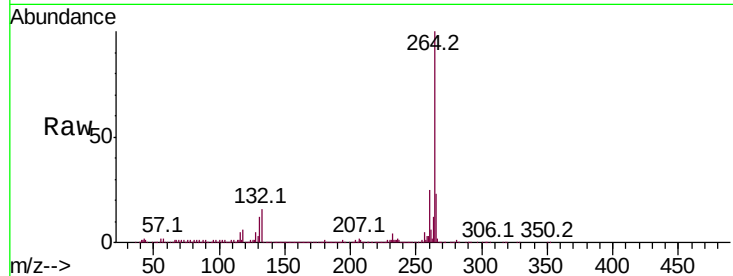
ClientSampled :

TOD1-IB-0-4

Tot Ion:	264	Resp:	361126
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	22.5	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 6.436 ng m

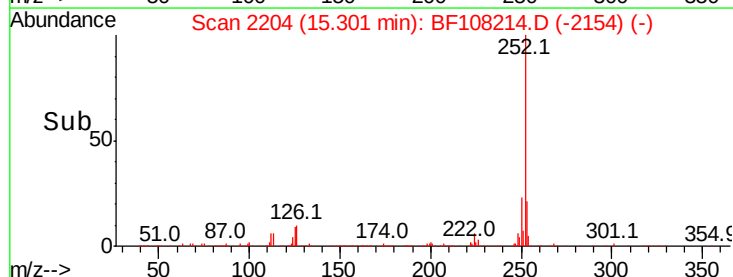
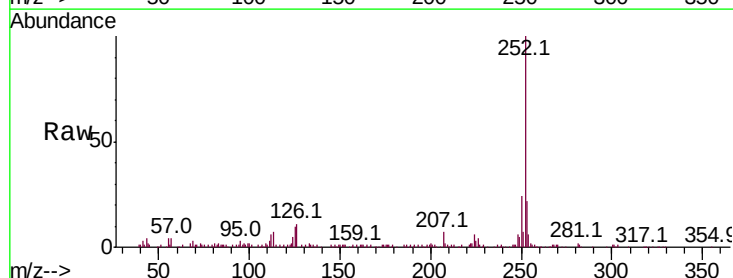
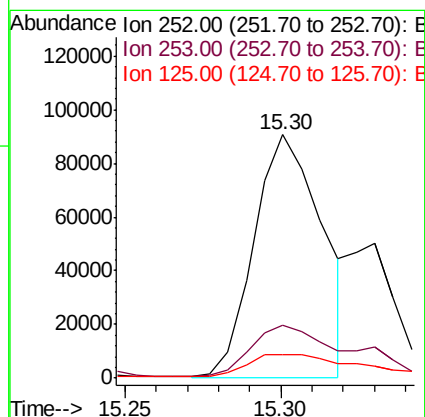
RT: 15.30 min Scan# 2204

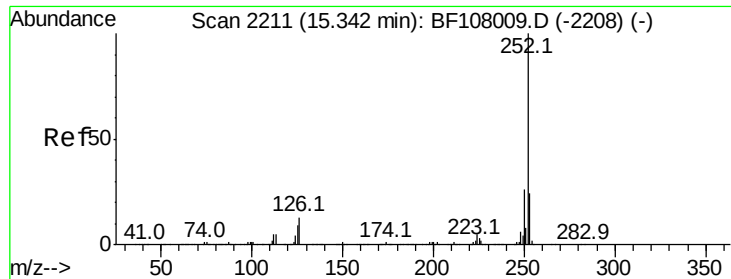
Delta R.T. -0.01 min

Lab File: BF108214.D

Acq: 17 Aug 2018 00:03

Tgt Ion:	252	Resp:	138886
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.0	25.6
125	9.8	9.0	13.6





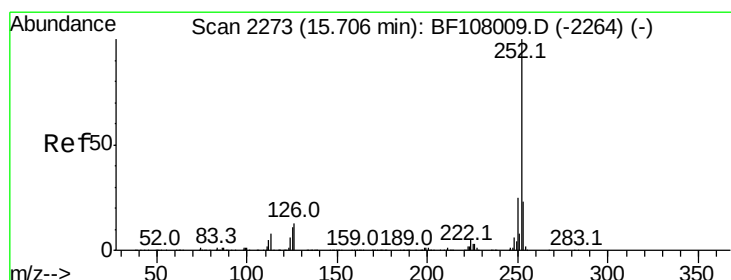
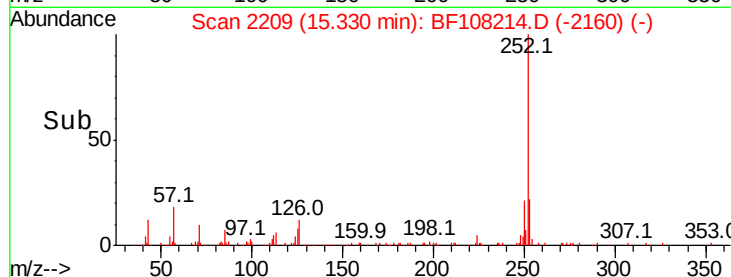
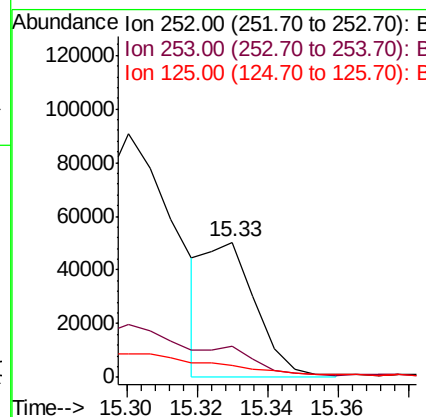
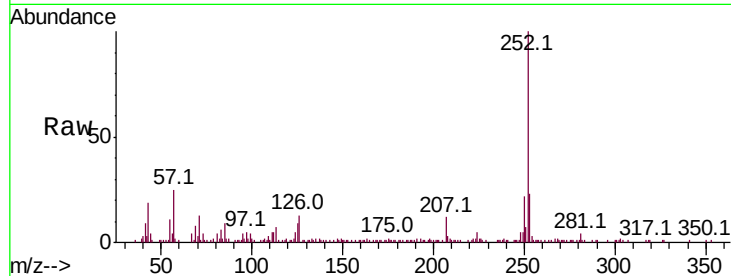
#88
Benzo(k)fluoranthene
Concen: 2.551 ng m
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Instrument :
BNA_F
ClientSampleId :
TOD1-IB-0-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	8.9	10.2	15.2

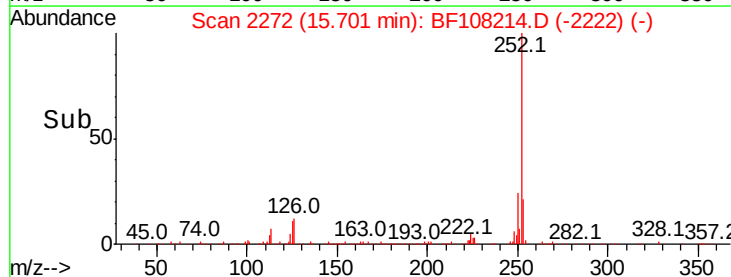
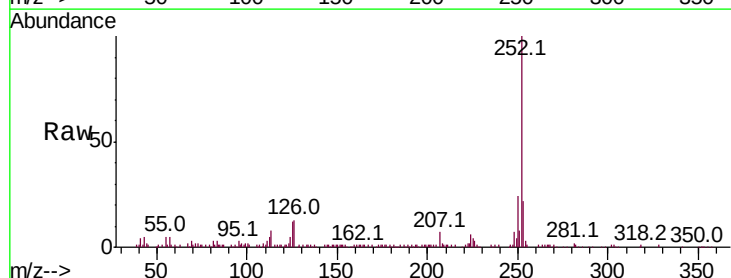
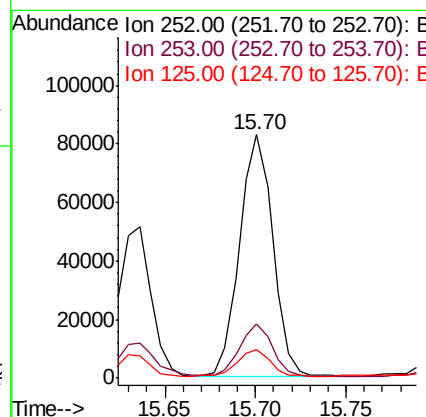
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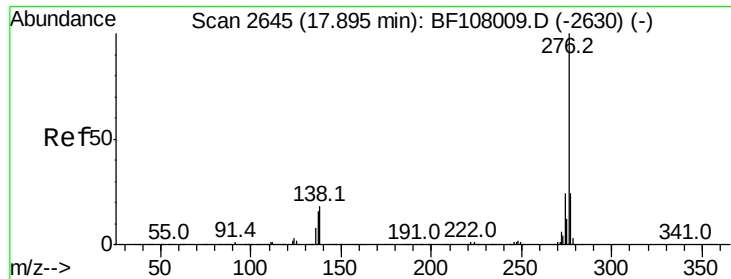
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#89
Benzo(a)pyrene
Concen: 5.496 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108214.D
Acq: 17 Aug 2018 00:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	12.0	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.381 ng m
 RT: 17.87 min Scan# 2641
 Delta R.T. -0.02 min
 Lab File: BF108214.D
 Acq: 17 Aug 2018 00:03

Instrument :
 BNA_F
 ClientSampleId :
 TOD1-IB-0-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	19.6	21.8	32.8#

Manual Integrations
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