

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101779.D
 Acq On : 27 Dec 2017 22:49
 Operator : SJ/JU
 Sample : I7064-05 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-3

Manual Integrations
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Quant Time: Dec 28 05:48:48 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	145005	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	548216	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	217573	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	357298	20.00	ng	0.00
75) Chrysene-d12	13.97	240	315008	20.00	ng	0.00
86) Perylene-d12	15.44	264	268164	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	525493	53.98	ng	0.01
7) Phenol-d6	6.44	99	638490	52.70	ng	0.00
23) Nitrobenzene-d5	7.36	82	375896	38.17	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	110687	52.80	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	660627	47.10	ng	0.00
78) Terphenyl-d14	12.90	244	483713	37.02	ng	0.00
Target Compounds						
10) Phenol	6.46	94	30825	2.232	ng	Qvalue # 54
49) Dimethylphthalate	9.55	163	60730	3.470	ng	98
70) Phenanthrene	11.34	178	150077	7.553	ng	97
71) Anthracene	11.40	178	46282	2.280	ng	97
74) Fluoranthene	12.54	202	294012	14.097	ng	98
77) Pyrene	12.77	202	270087	11.424	ng	99
80) Benzo(a)anthracene	13.96	228	169316	8.140	ng	97
82) Chrysene	14.00	228	157312	8.010	ng	98
87) Benzo(b)fluoranthene	15.02	252	176690m	10.810	ng	
88) Benzo(k)fluoranthene	15.04	252	72437m	4.558	ng	
89) Benzo(a)pyrene	15.39	252	121818	8.085	ng	# 92
91) Benzo(a,h,i)perylene	17.40	276	64454	5.031	ng	95

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

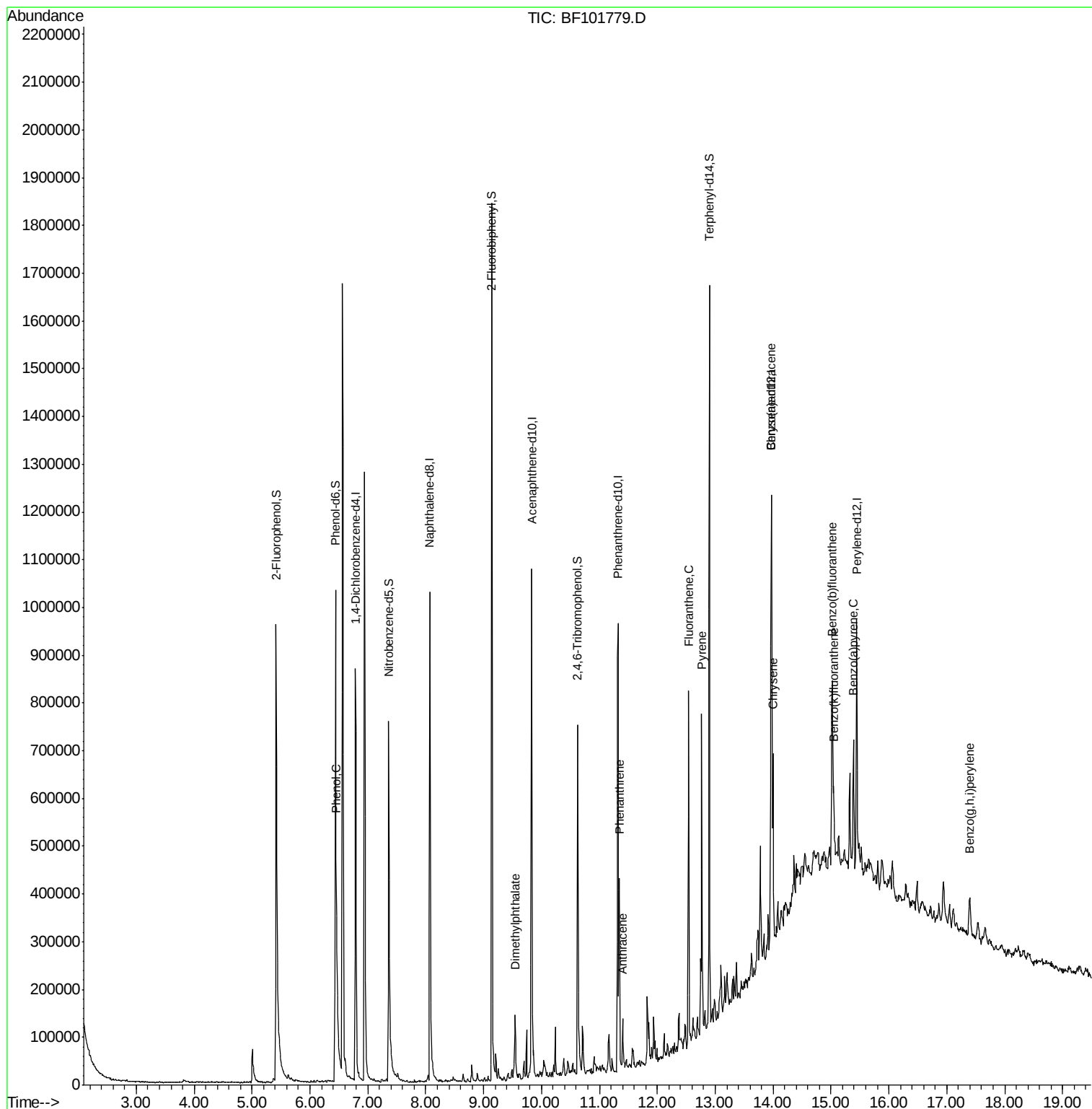
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

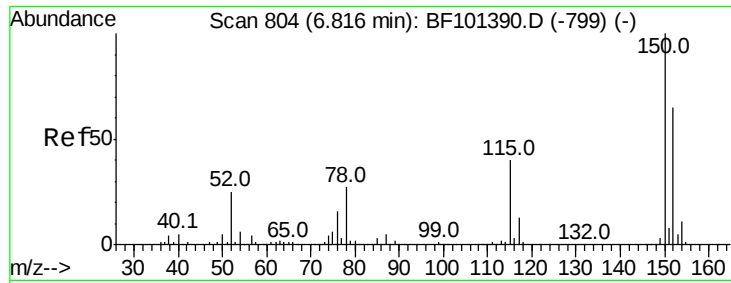
Instrument :
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ClientSampleId :
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Response via : Initial Calibration





#1

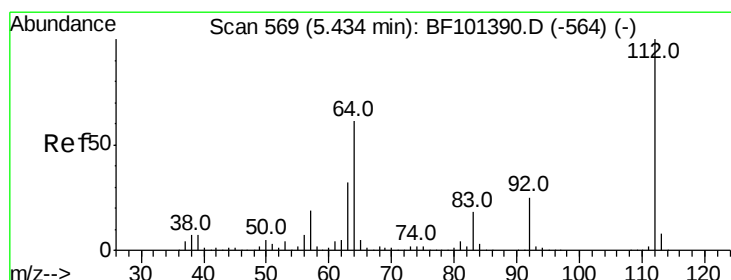
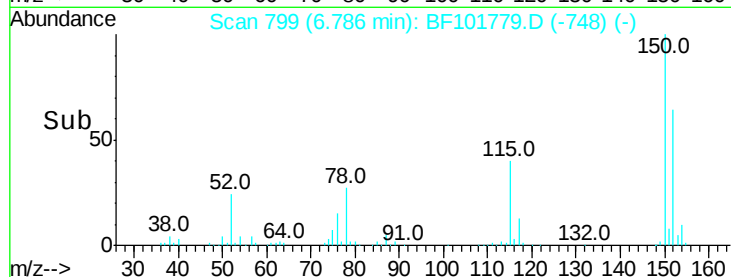
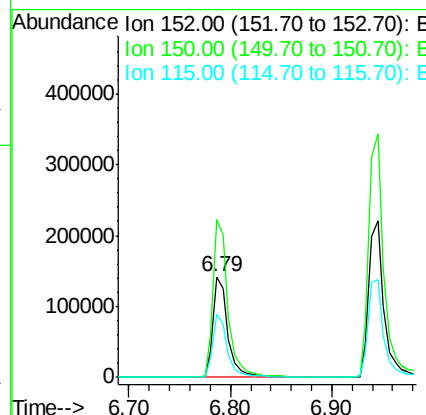
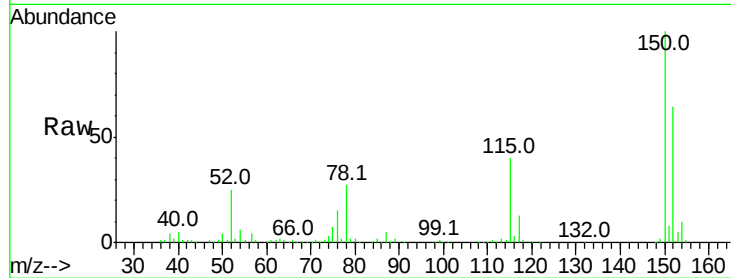
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Instrument :
BNA_F
ClientSampled :
SAMPLE-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	63.4	50.1	75.1

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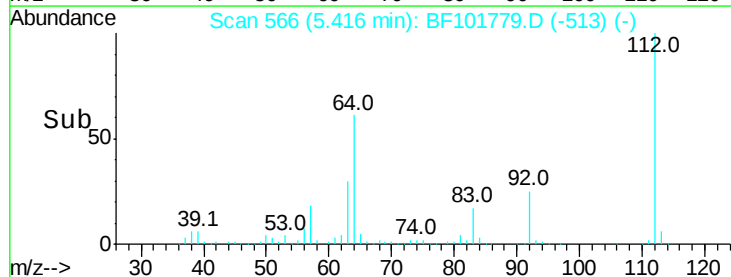
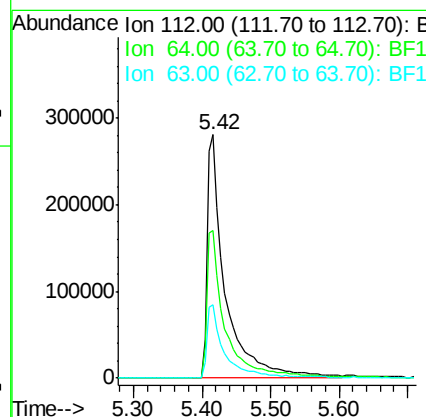
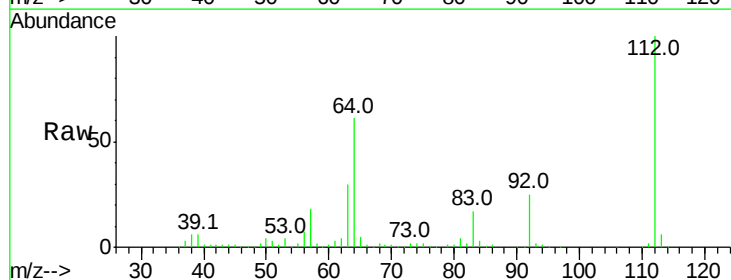
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#5

2-Fluorophenol
Concen: 53.982 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.9	71.9
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 52.702 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101779.D

Acq: 27 Dec 2017 22:49

Instrument :

BNA_F

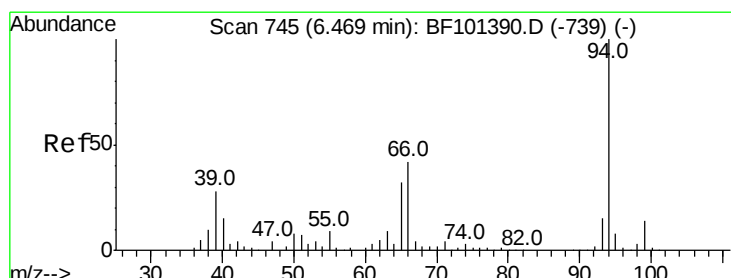
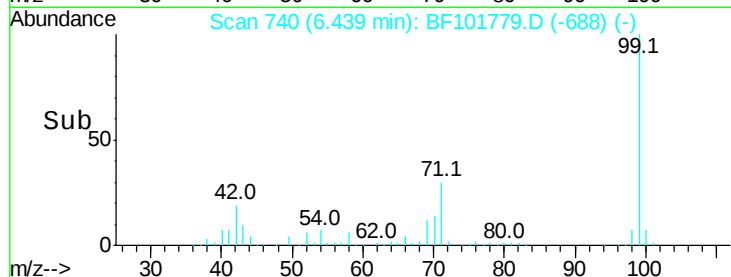
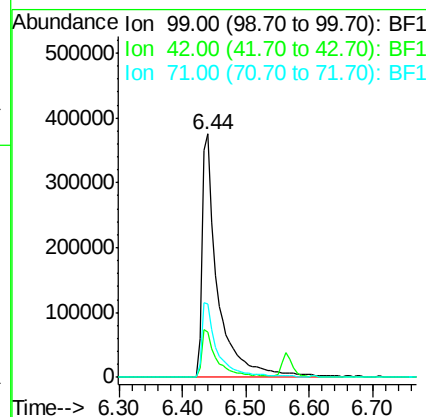
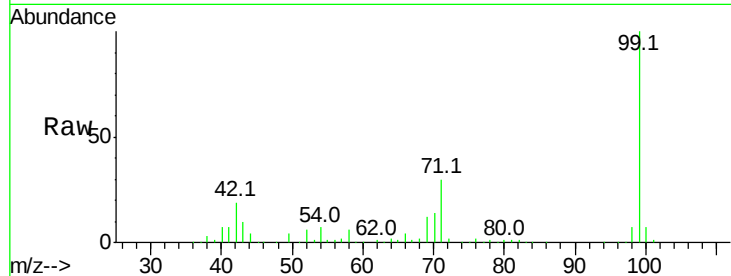
ClientSampled :

SAMPLE-3

Tot Ion:	99	Resp:	638490
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	30.3	25.4	38.0

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#10

Phenol

Concen: 2.232 ng

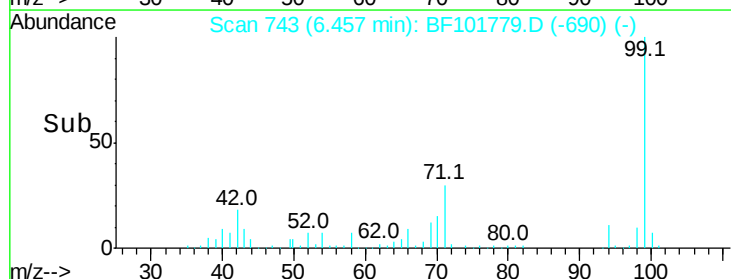
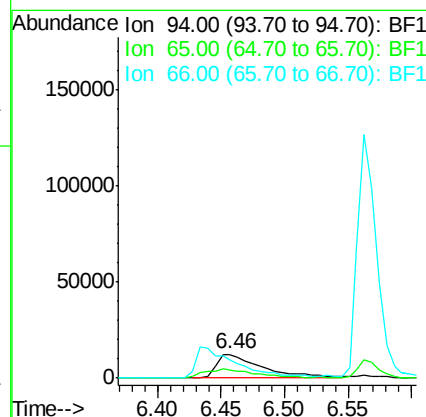
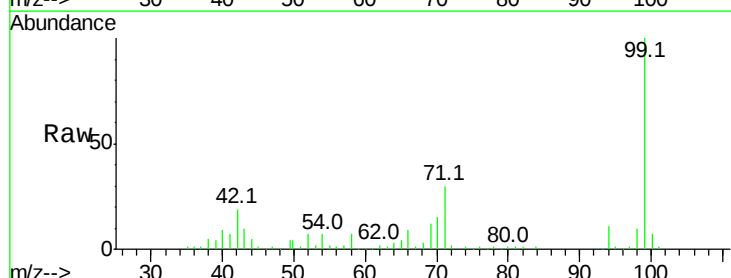
RT: 6.46 min Scan# 743

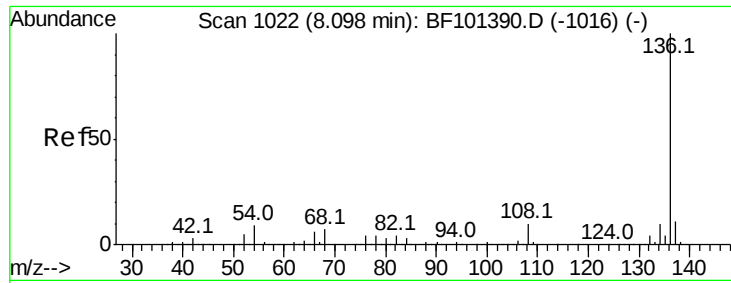
Delta R.T. 0.01 min

Lab File: BF101779.D

Acq: 27 Dec 2017 22:49

Tgt Ion:	94	Resp:	30825
Ion	Ratio	Lower	Upper
94	100		
65	35.5	7.9	47.9
66	78.0	16.2	56.2





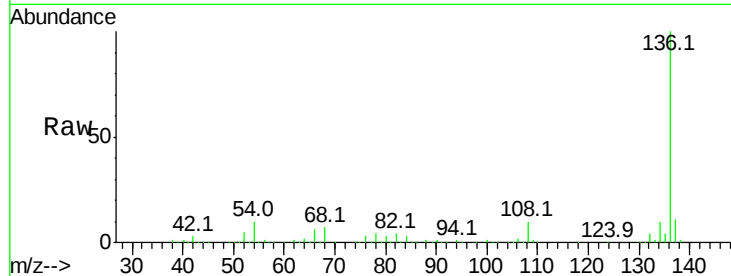
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3

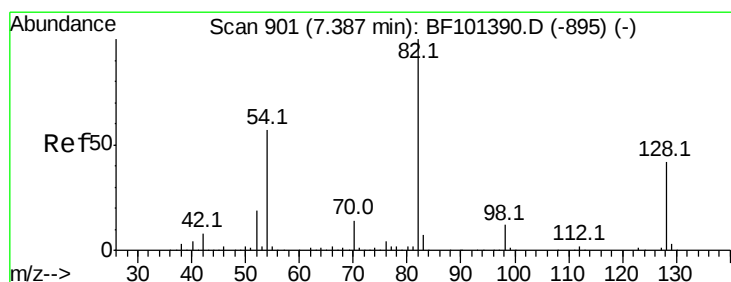
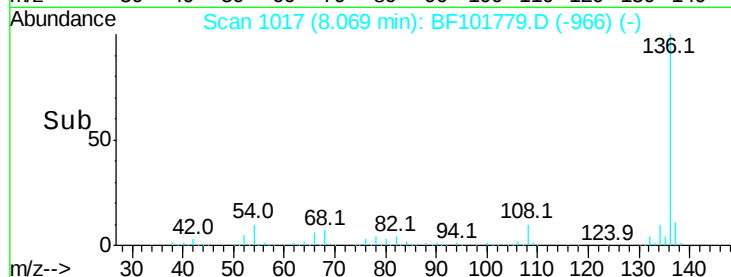
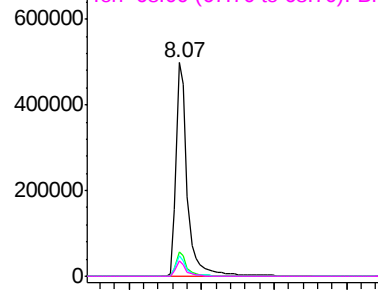
Tot Ion	Ratio	Resp	Lower	Upper
136	100	548216		
137	11.3		8.9	13.3
54	9.7		6.6	9.8
68	7.0		5.0	7.4

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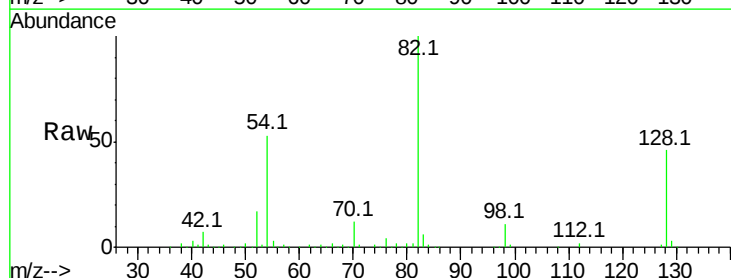


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

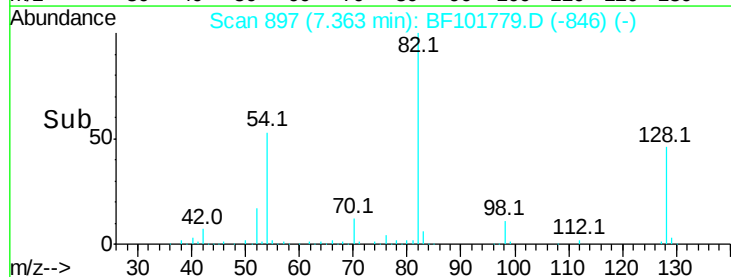
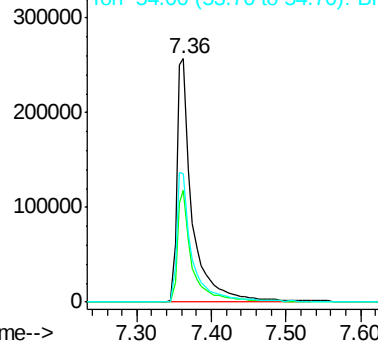


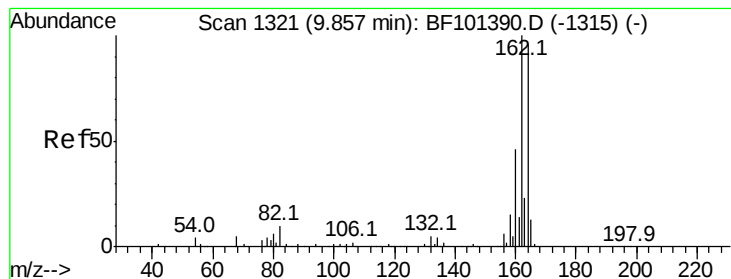
#23
Nitrobenzene-d5
Concen: 38.168 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	375896		
128	45.8		36.1	54.1
54	52.7		41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF101779.D

Acq: 27 Dec 2017 22:49

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:164 Resp: 217573

Ion Ratio Lower Upper

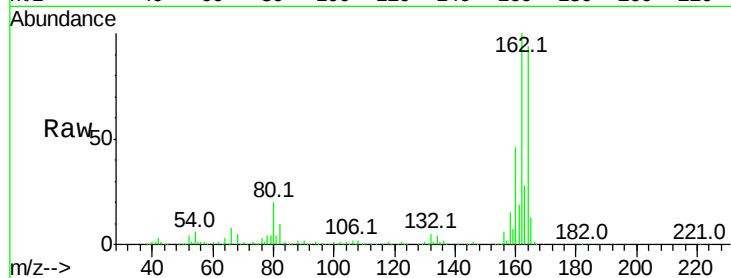
164 100

162 106.1 86.1 129.1

160 48.8 38.3 57.5

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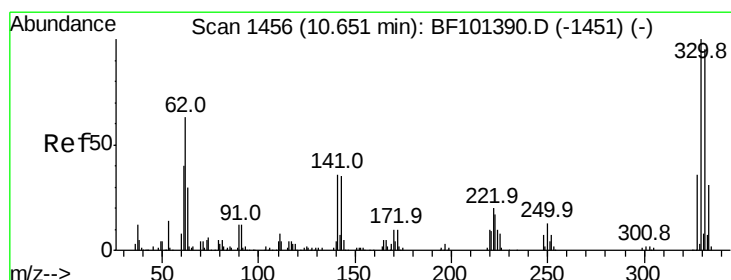
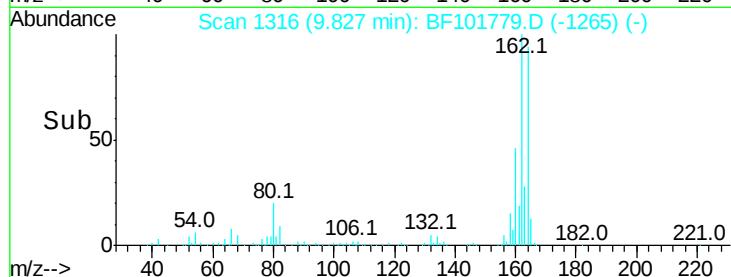
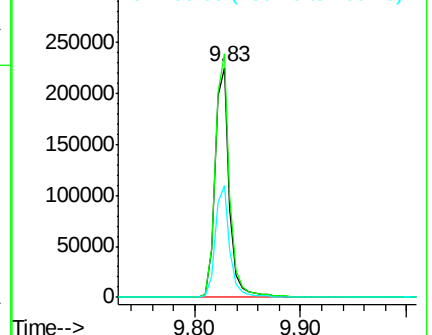
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 52.796 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF101779.D

Acq: 27 Dec 2017 22:49

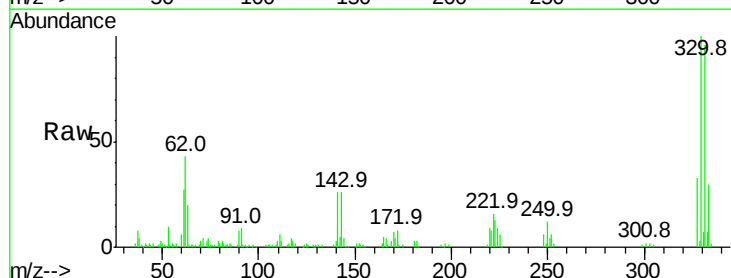
Tgt Ion:330 Resp: 110687

Ion Ratio Lower Upper

330 100

332 93.3 77.0 115.6

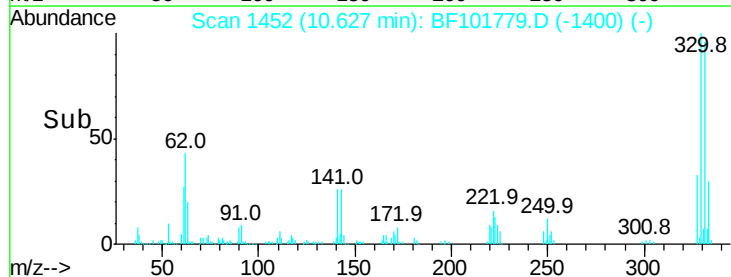
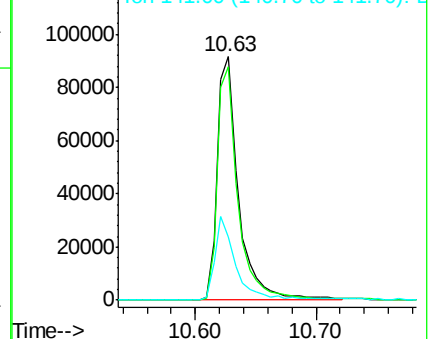
141 33.3 29.9 44.9

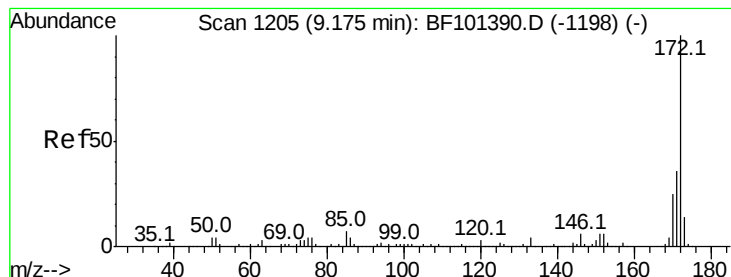


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 47.101 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF101779.D

Acq: 27 Dec 2017 22:49

Instrument :

BNA_F

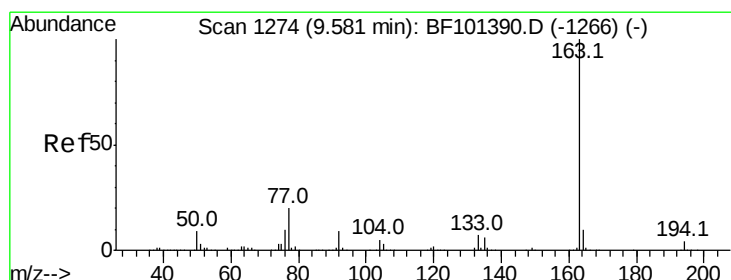
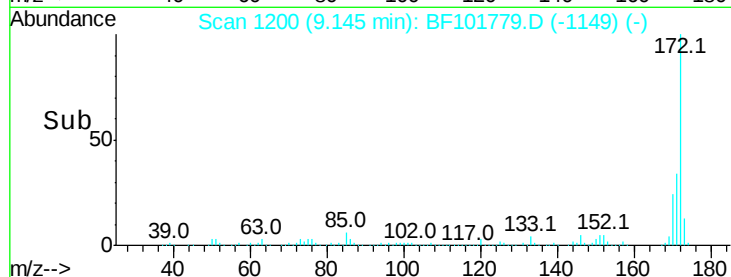
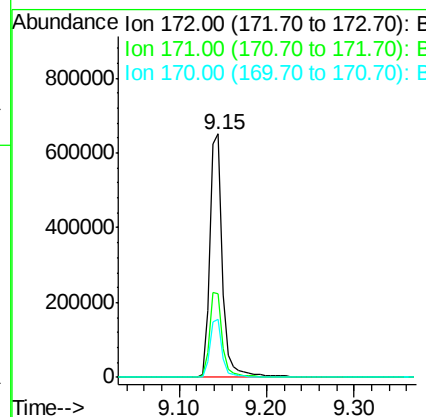
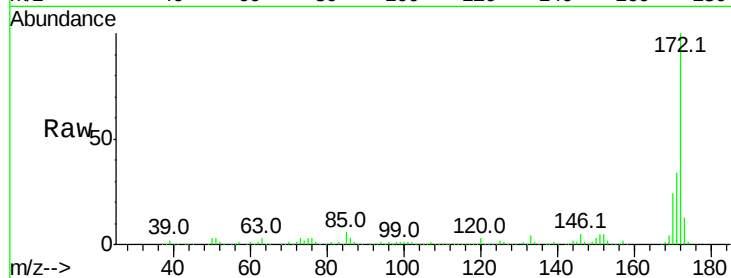
ClientSampled :

SAMPLE-3

Tot Ion:	172	Resp:	660627
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.7	44.5
170	24.0	19.6	29.4

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#49

Dimethylphthalate

Concen: 3.470 ng

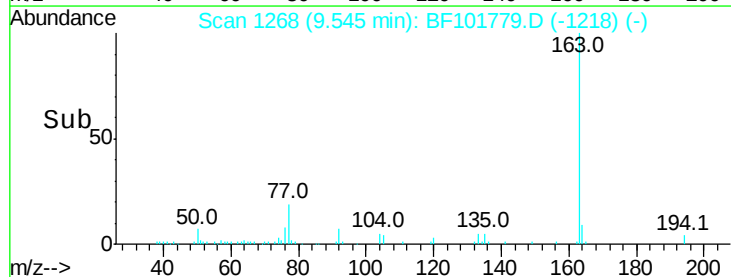
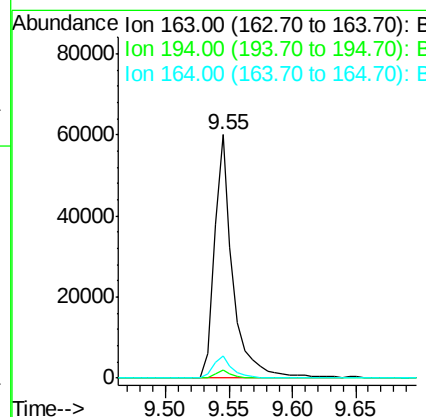
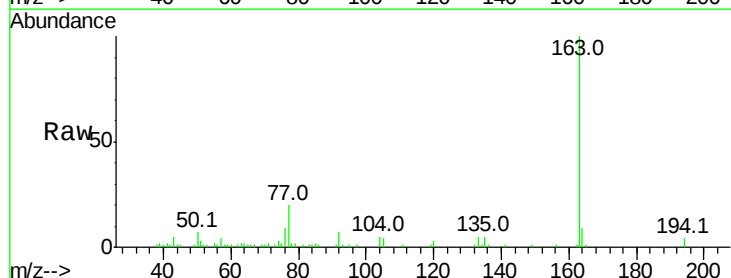
RT: 9.55 min Scan# 1268

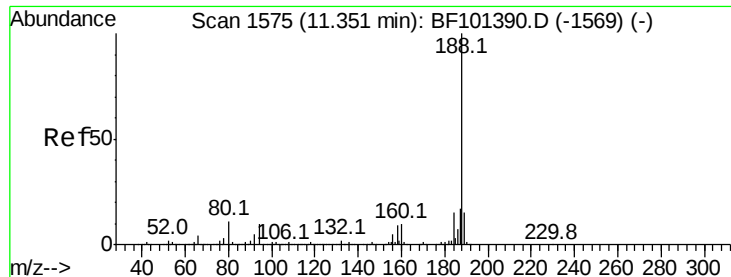
Delta R.T. -0.01 min

Lab File: BF101779.D

Acq: 27 Dec 2017 22:49

Tgt Ion:	163	Resp:	60730
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	9.2	8.2	12.2





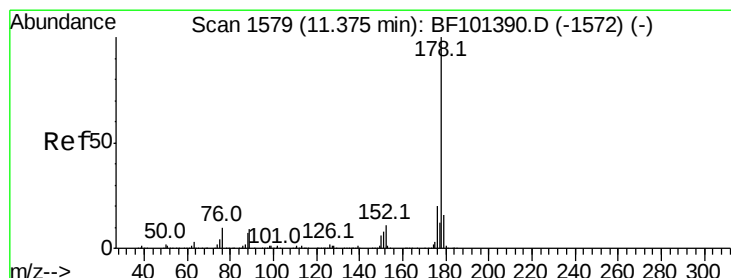
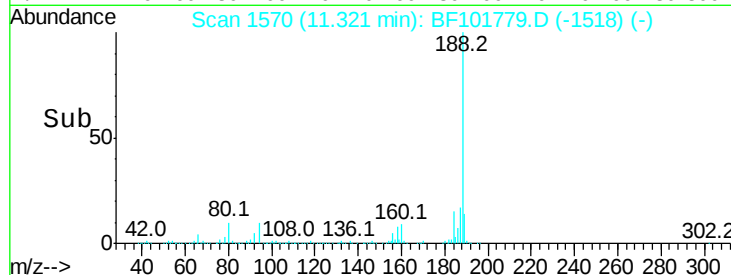
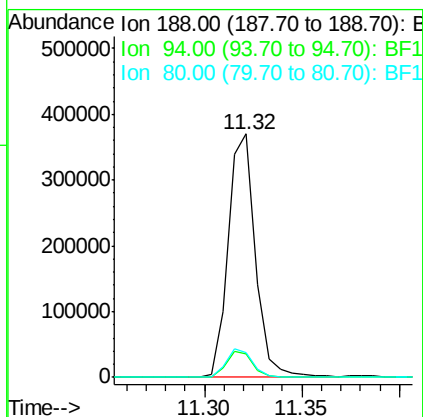
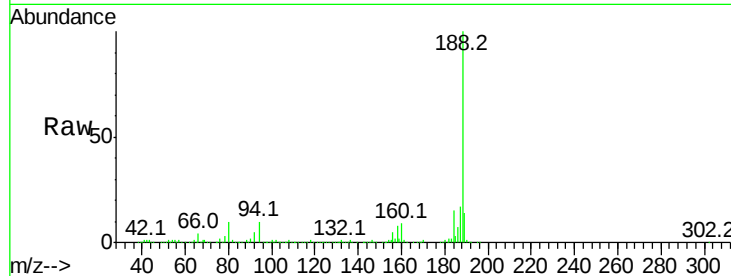
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Instrument :
BNA_F
ClientSampled :
SAMPLE-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.0	9.2	13.8

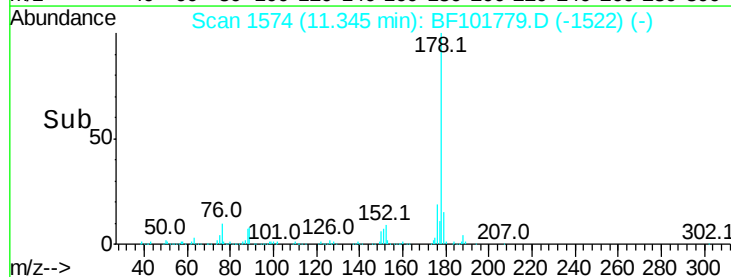
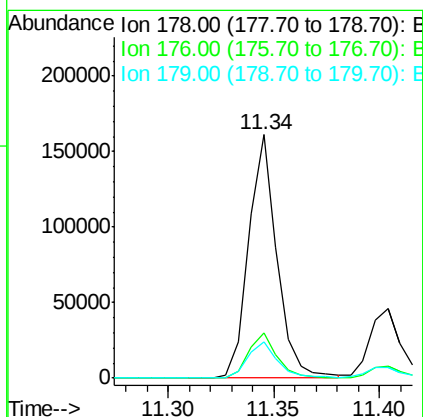
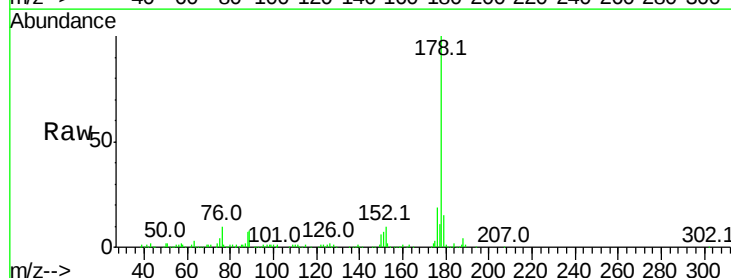
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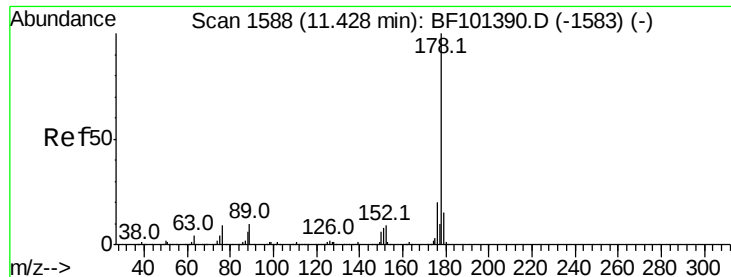
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#70
Phenanthrene
Concen: 7.553 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.8	23.8
179	14.8	13.0	19.6





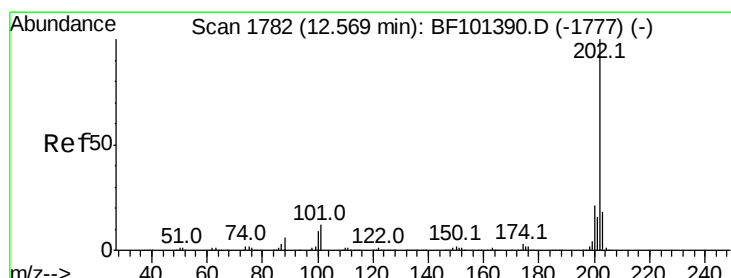
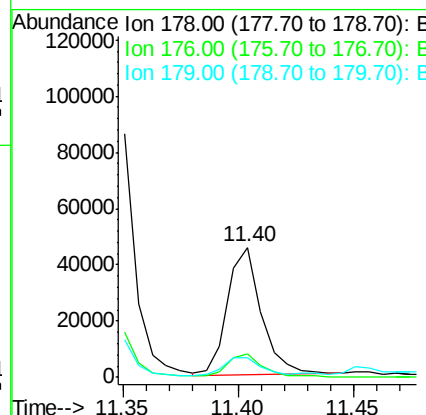
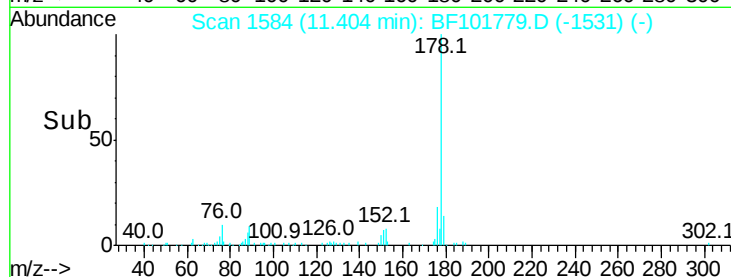
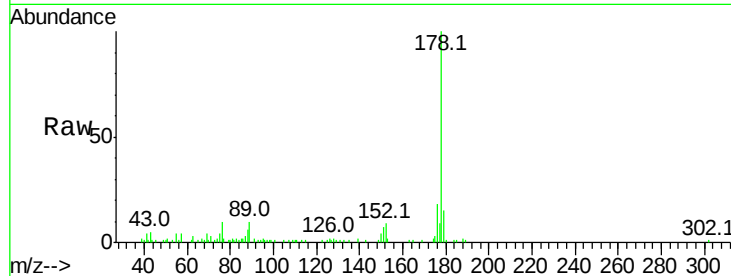
#71
 Anthracene
 Concen: 2.280 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: BF101779.D
 Acq: 27 Dec 2017 22:49

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	14.9	12.6	19.0

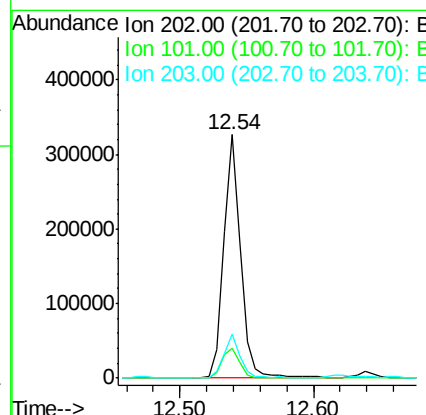
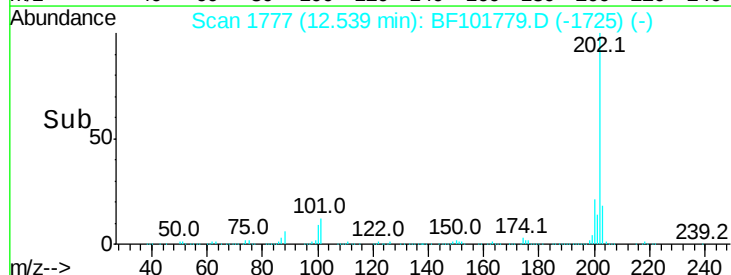
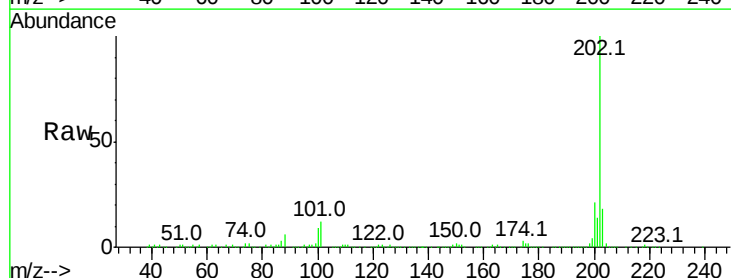
Manual Integrations
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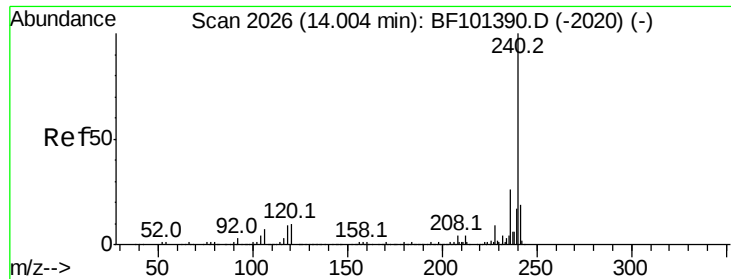
Sohil
 12/28/2017 2:03:05 PM



#74
 Fluoranthene
 Concen: 14.097 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101779.D
 Acq: 27 Dec 2017 22:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	18.0	0.0	38.1





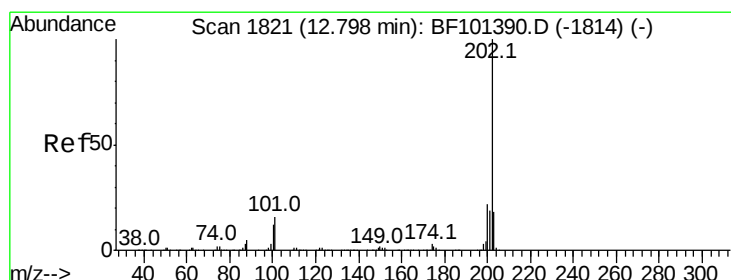
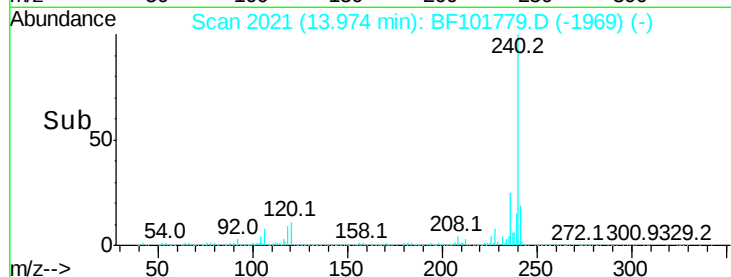
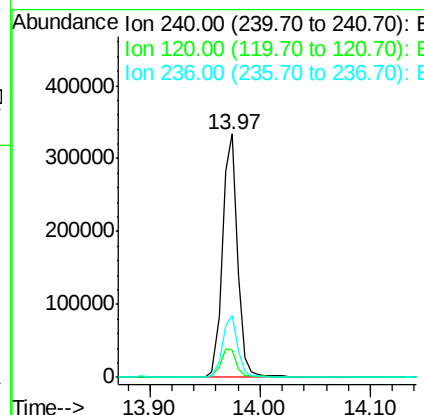
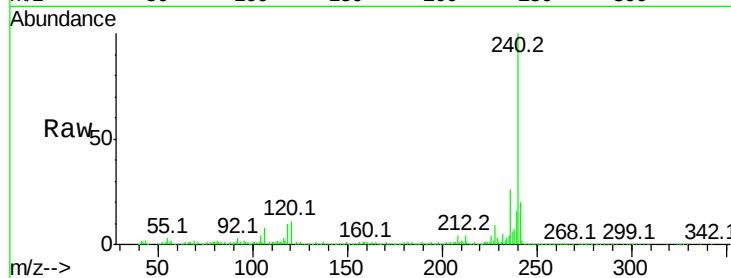
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF101779.D
 Acq: 27 Dec 2017 22:49

Instrument :
 BNA_F
 ClientSampled :
 SAMPLE-3

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.4	9.5	14.3	
236	25.7	20.7	31.1	

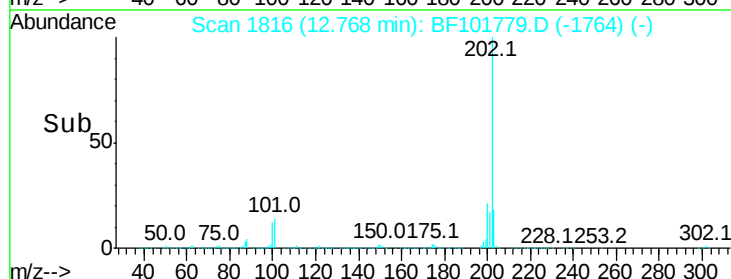
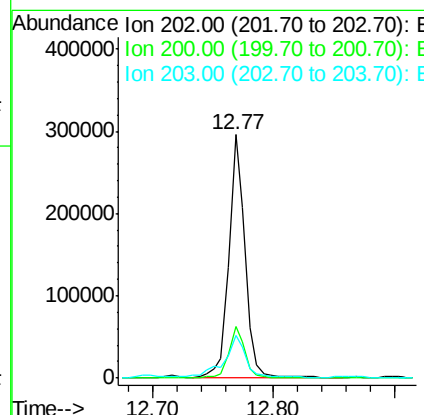
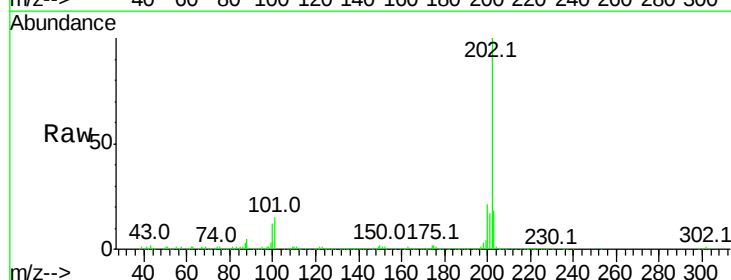
Manual Integrations
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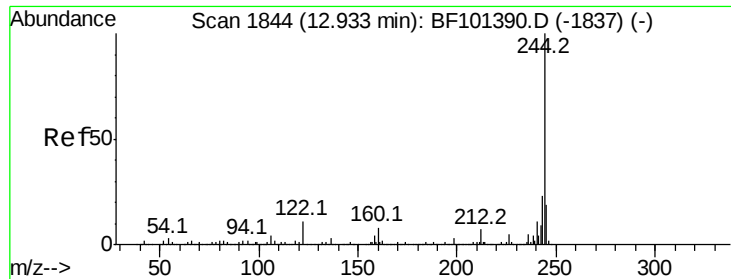
Sohil
 12/28/2017 2:03:05 PM



#77
 Pyrene
 Concen: 11.424 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BF101779.D
 Acq: 27 Dec 2017 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.4	26.2	
203	17.8	14.3	21.5	





#78

Terphenyl-d14

Concen: 37.019 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF101779.D

Acq: 27 Dec 2017 22:49

Instrument :

BNA_F

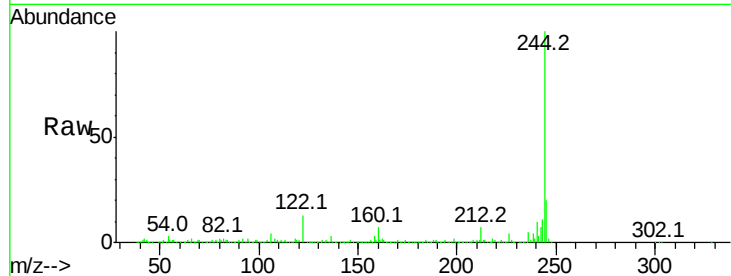
ClientSampled :

SAMPLE-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.6	11.0	16.4

Manual Integrations
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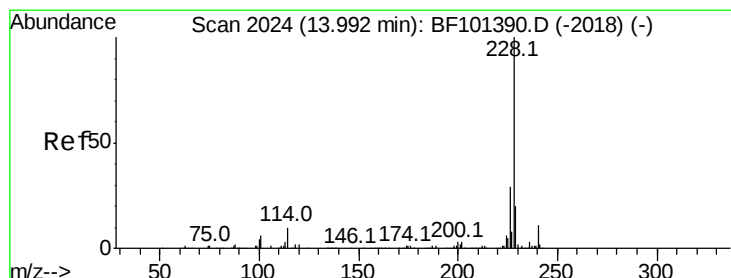
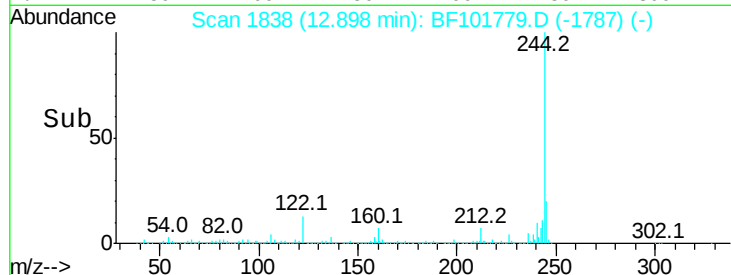
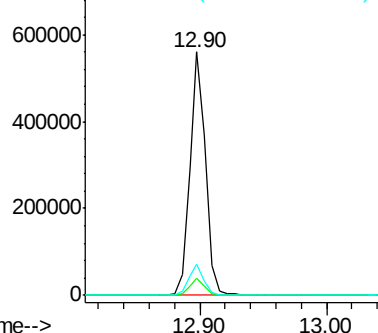
Sohil
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 8.140 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101779.D

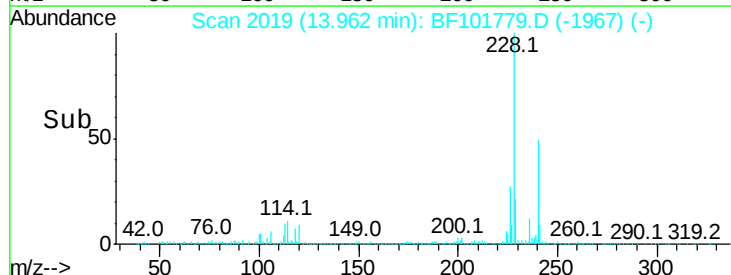
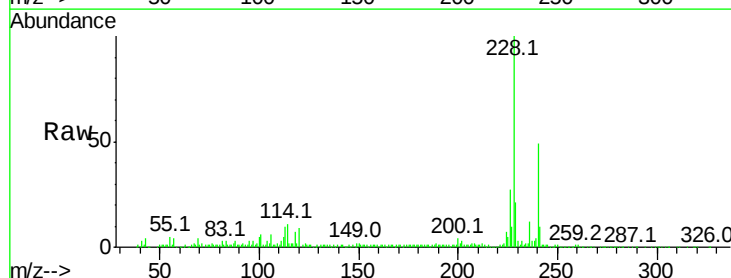
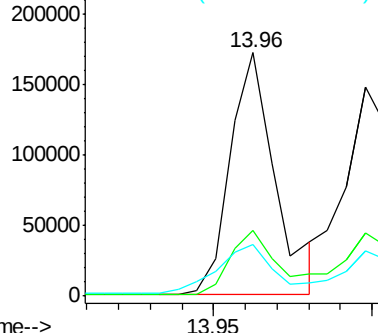
Acq: 27 Dec 2017 22:49

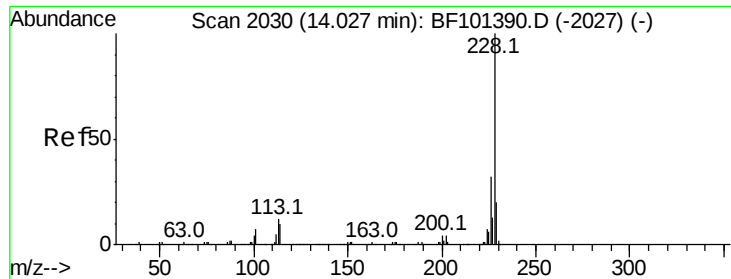
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	21.1	15.8	23.6

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





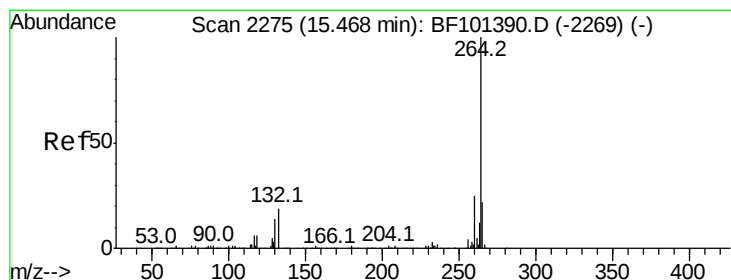
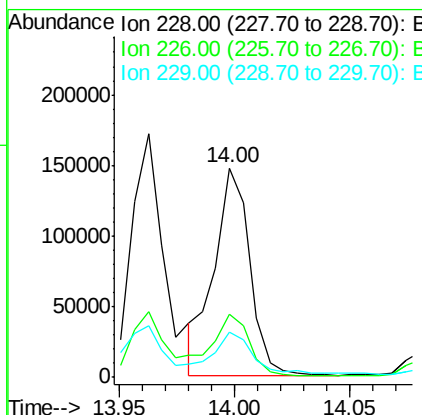
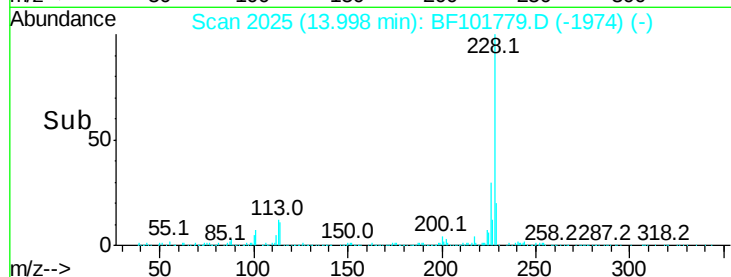
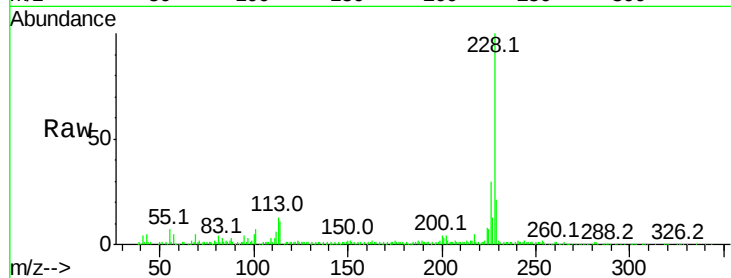
#82
Chrysene
Concen: 8.010 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3

Tot Ion:	228	Resp:	157312
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	21.4	16.2	24.4

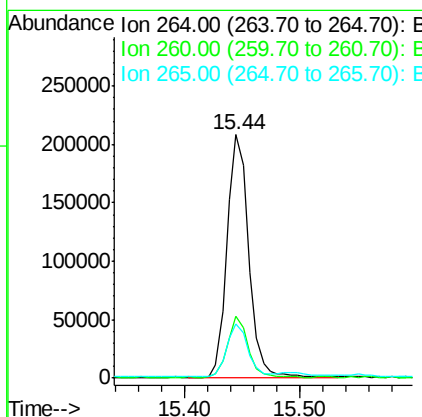
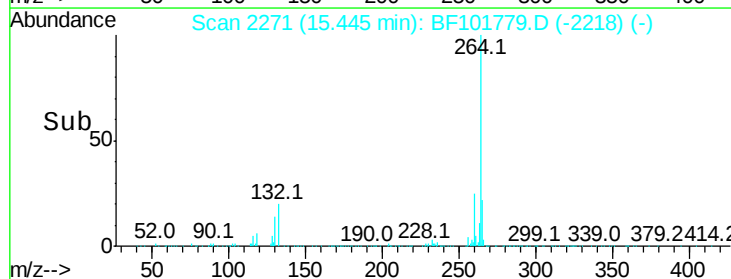
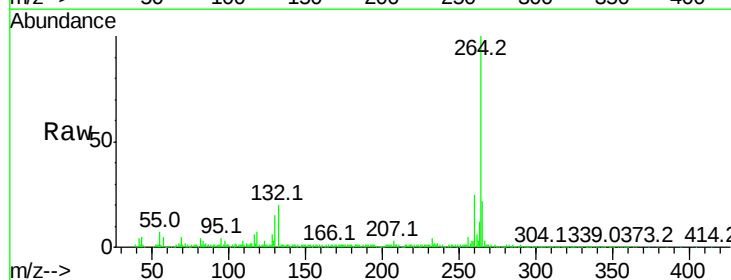
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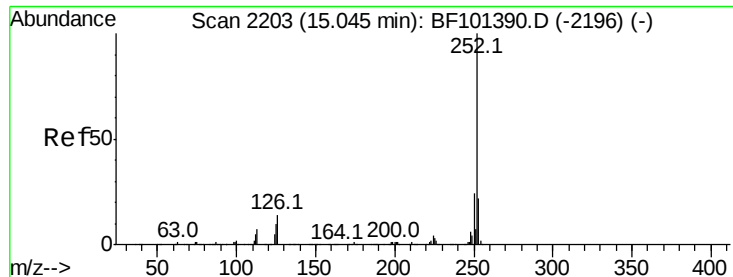
Sohil
12/28/2017 2:03:05 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Tgt Ion:	264	Resp:	268164
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 10.810 ng m

RT: 15.02 min Scan# 2199

Delta R.T. 0.02 min

Lab File: BF101779.D

Acq: 27 Dec 2017 22:49

Instrument :

BNA_F

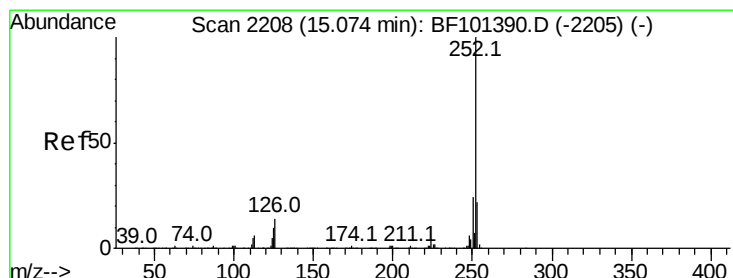
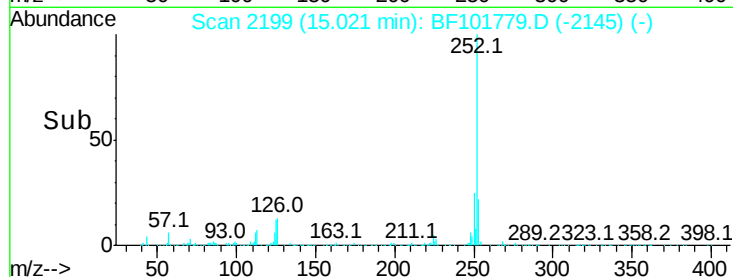
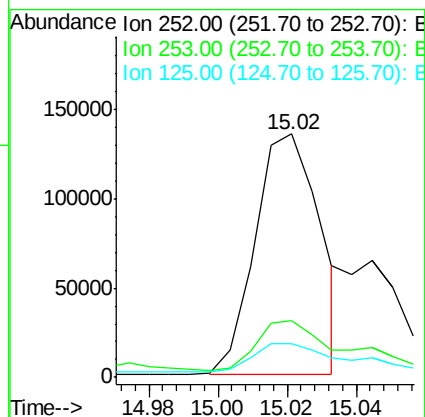
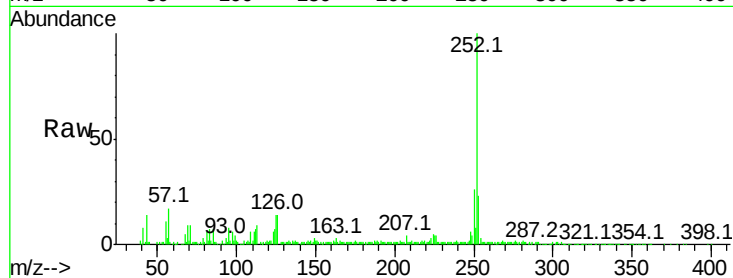
ClientSampled :

SAMPLE-3

Tot Ion:	252	Resp:	176690
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	14.0	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.558 ng m

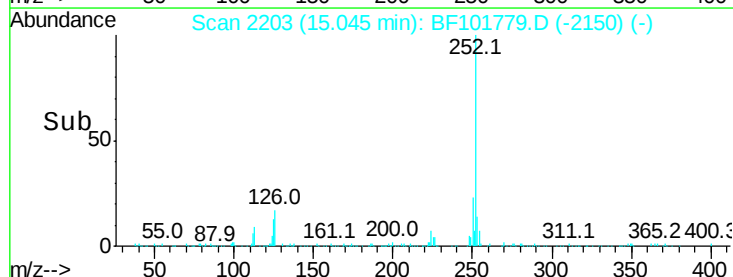
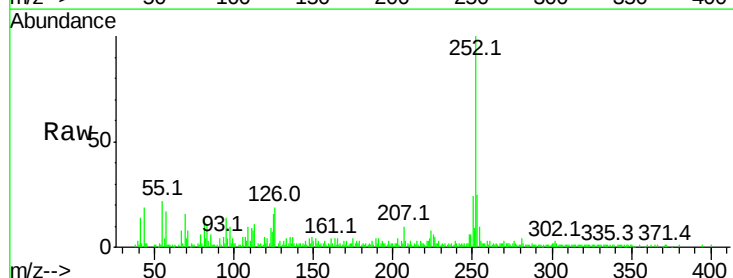
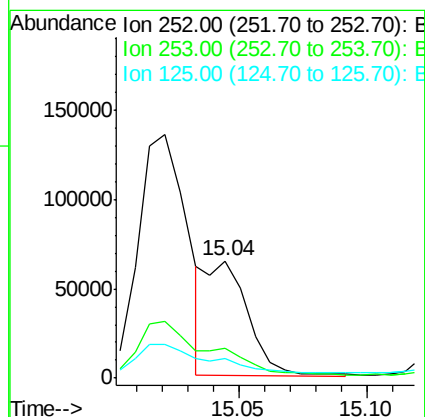
RT: 15.04 min Scan# 2203

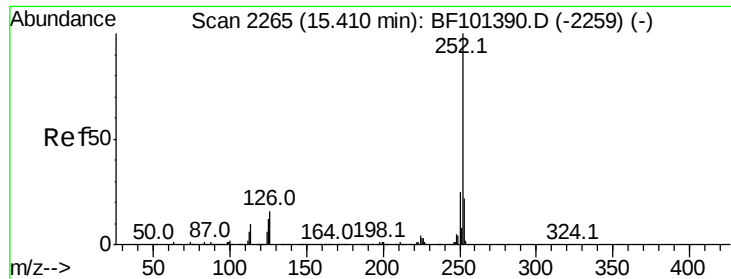
Delta R.T. 0.01 min

Lab File: BF101779.D

Acq: 27 Dec 2017 22:49

Tgt Ion:	252	Resp:	72437
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	16.3	10.2	15.2#





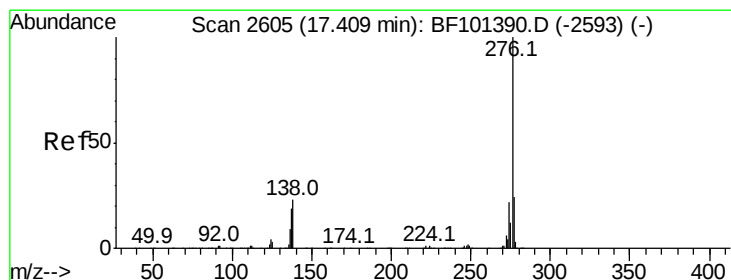
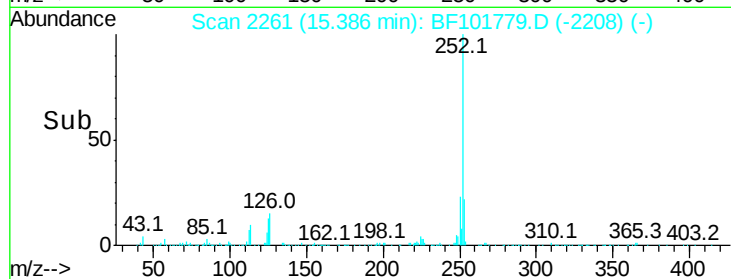
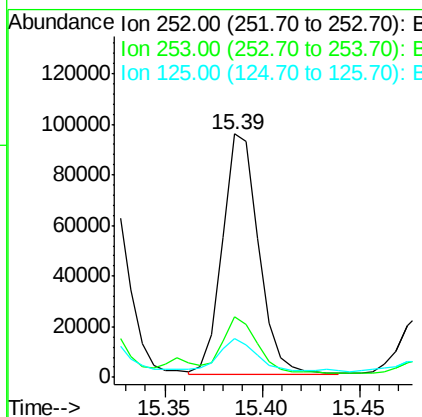
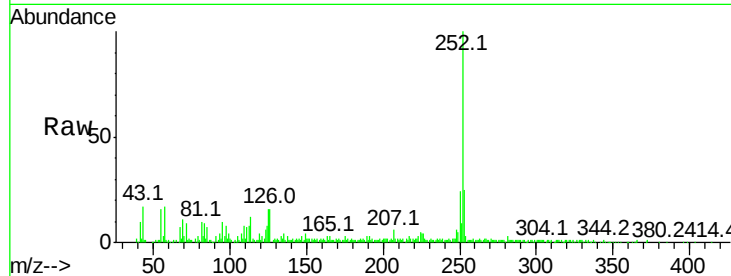
#89
Benzo(a)pyrene
Concen: 8.085 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.1	17.1	25.7
125	15.8	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 5.031 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.05 min
Lab File: BF101779.D
Acq: 27 Dec 2017 22:49

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.8	17.9	26.9
138	27.7	21.8	32.8

