

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101777.D
 Acq On : 27 Dec 2017 21:56
 Operator : SJ/JU
 Sample : I7064-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1

Manual Integrations
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Sohil
 12/28/2017 2:02:59 PM

Quant Time: Dec 28 05:40:05 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	156710	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	588680	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	245250	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	394876	20.00	ng	0.00
75) Chrysene-d12	13.97	240	293325	20.00	ng	0.00
86) Perylene-d12	15.44	264	273800	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	601383	57.16	ng	0.00
7) Phenol-d6	6.43	99	722179	55.16	ng	0.00
23) Nitrobenzene-d5	7.36	82	434348	41.07	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	129609	54.85	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	743408	47.02	ng	0.00
78) Terphenyl-d14	12.90	244	505547	41.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	35505	2.379	ng	# 50
49) Dimethylphthalate	9.55	163	62449	3.166	ng	98
70) Phenanthrene	11.35	178	228147	10.389	ng	98
71) Anthracene	11.40	178	68972	3.075	ng	96
74) Fluoranthene	12.54	202	353931	15.355	ng	97
77) Pyrene	12.77	202	327106	14.859	ng	100
80) Benzo(a)anthracene	13.96	228	194549	10.045	ng	98
82) Chrysene	14.00	228	165609	9.056	ng	97
87) Benzo(b)fluoranthene	15.02	252	196777m	11.791	ng	
88) Benzo(k)fluoranthene	15.04	252	76810m	4.734	ng	
89) Benzo(a)pyrene	15.39	252	143853	9.350	ng	96
91) Benzo(a,h,i)perylene	17.39	276	70739	5.408	ng	97

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

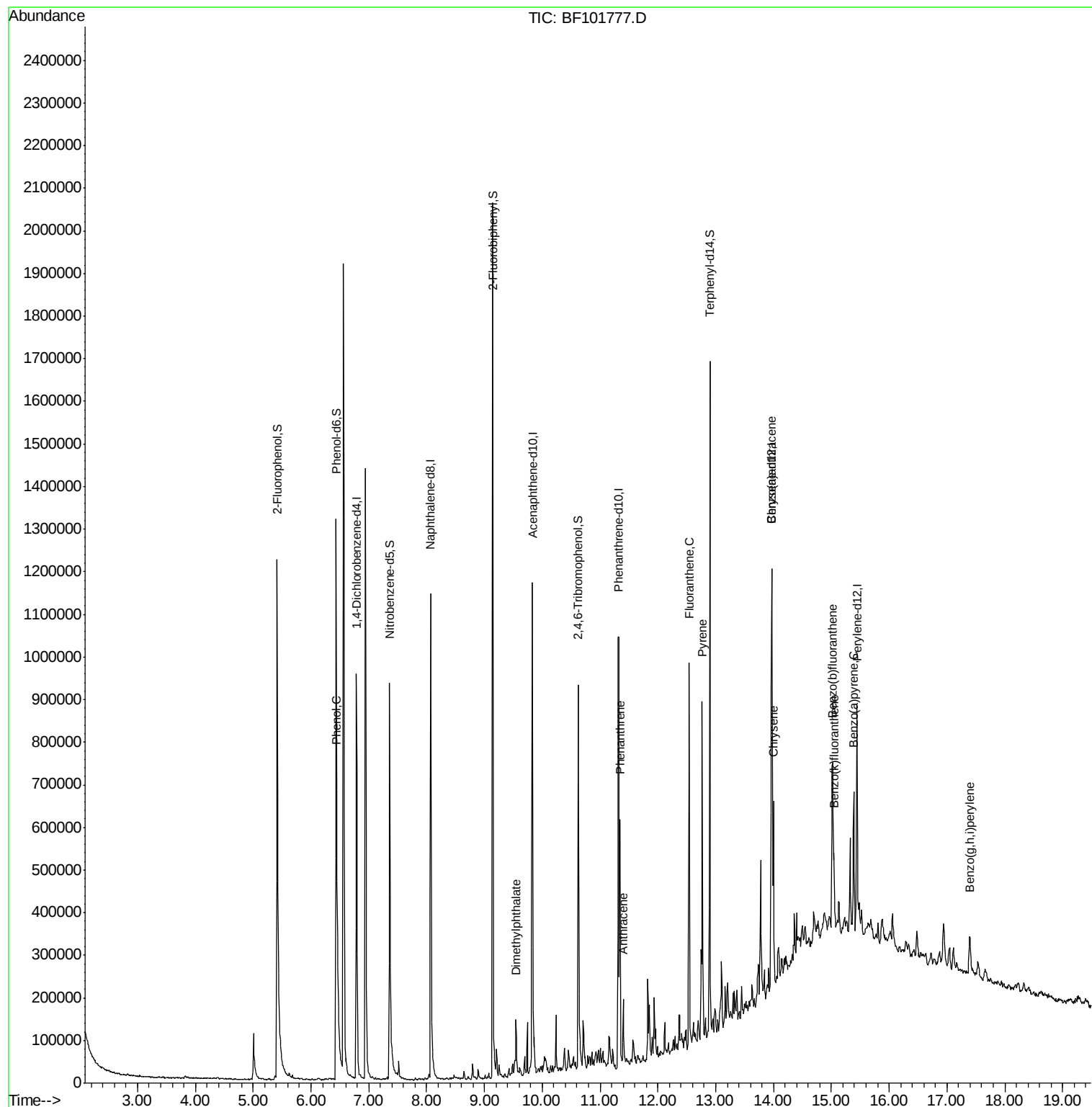
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
Data File : BF101777.D
Acq On : 27 Dec 2017 21:56
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#1

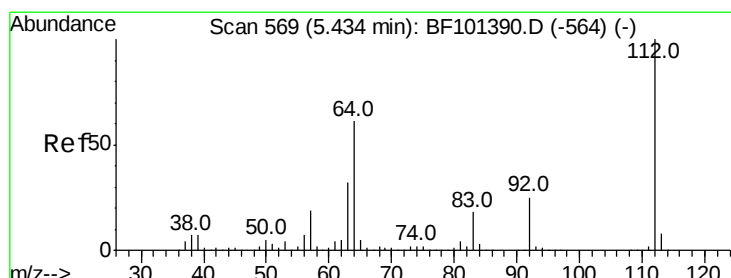
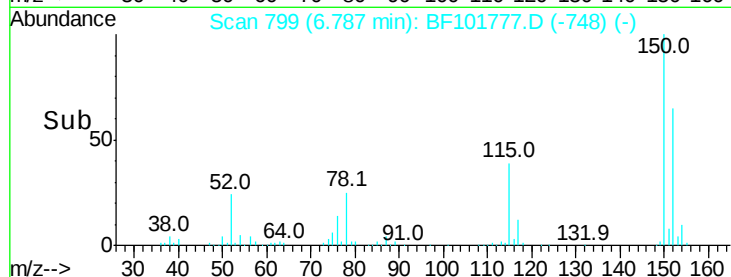
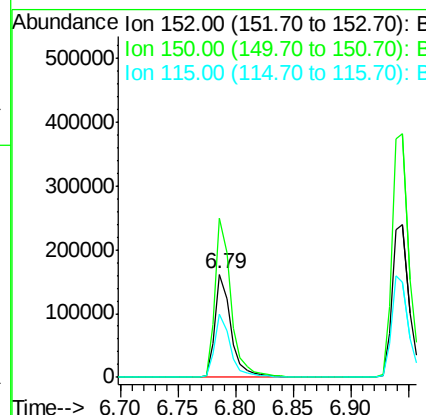
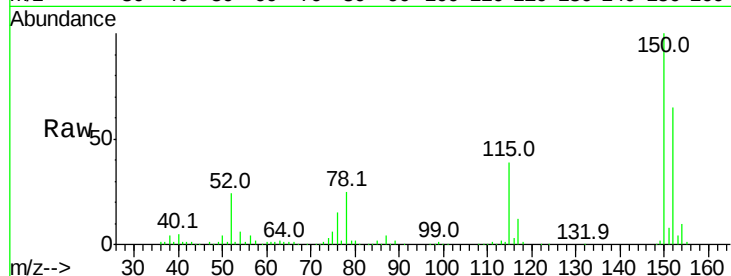
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Instrument :
BNA_F
ClientSampled :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	60.6	50.1	75.1

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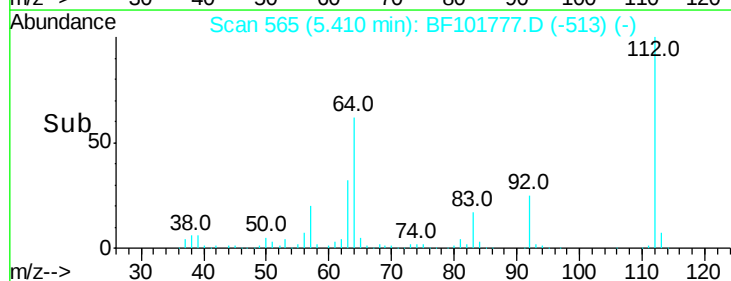
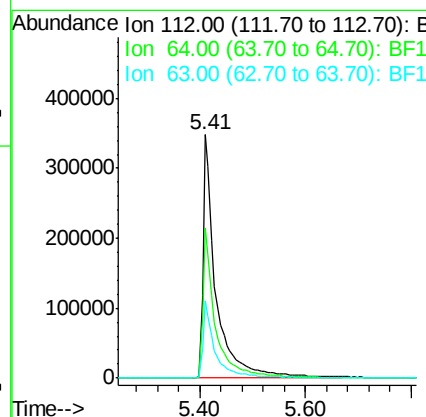
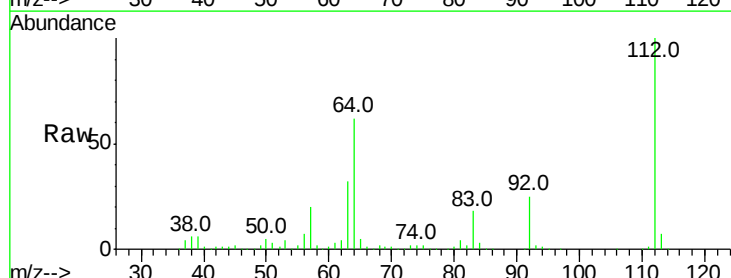
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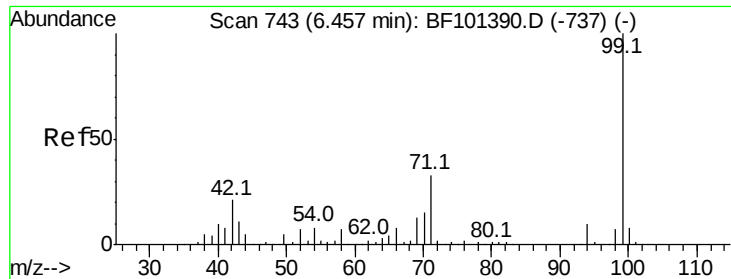


#5

2-Fluorophenol
Concen: 57.163 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.9	71.9
63	31.6	23.7	35.5





#7

Phenol-d6

Concen: 55.157 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

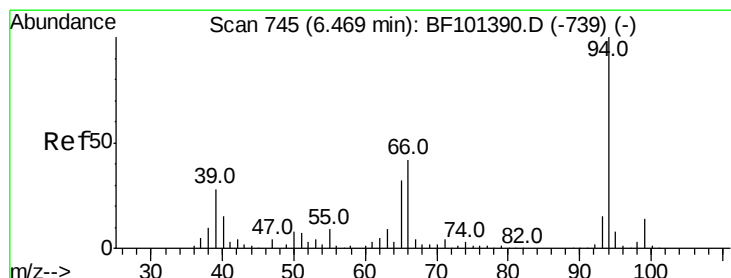
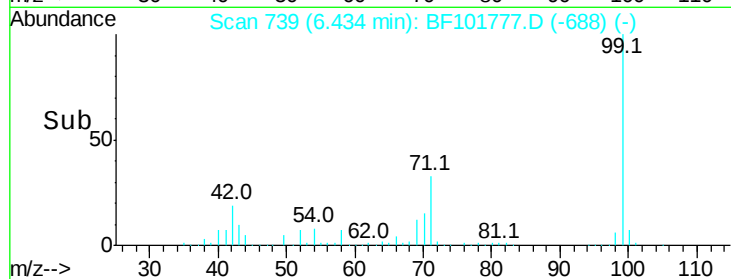
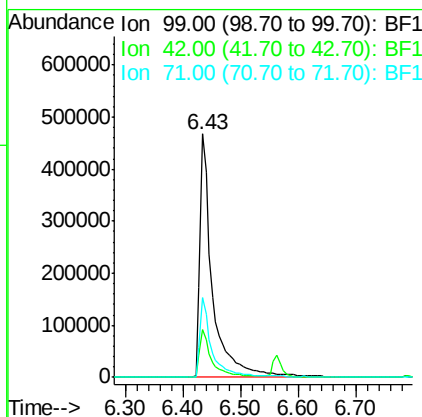
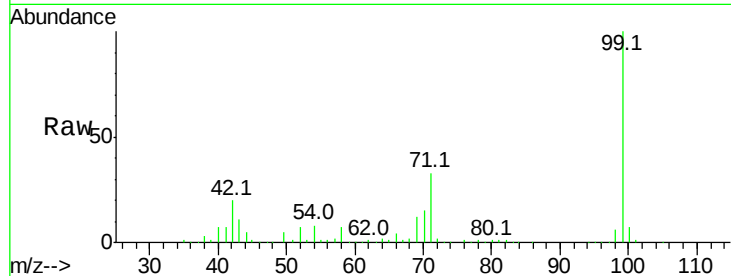
ClientSampleId :

SAMPLE-1

Tot Ion:	99	Resp:	722179
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	32.8	25.4	38.0

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#10

Phenol

Concen: 2.379 ng

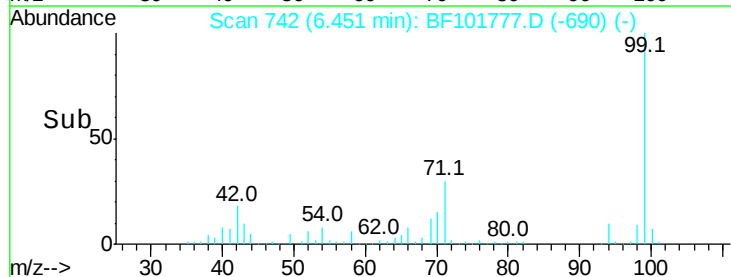
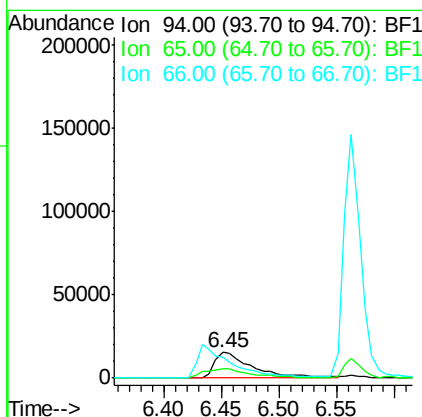
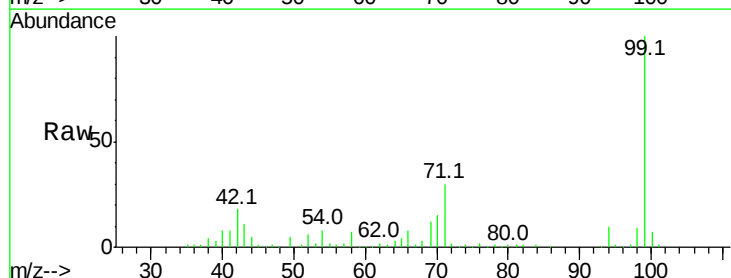
RT: 6.45 min Scan# 742

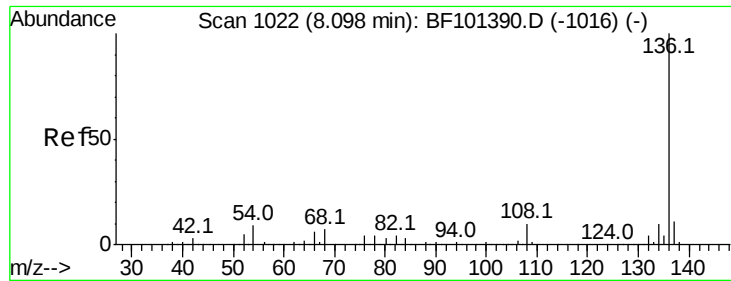
Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Tgt Ion:	94	Resp:	35505
Ion Ratio	Lower	Upper	
94	100		
65	37.6	7.9	47.9
66	80.5	16.2	56.2#





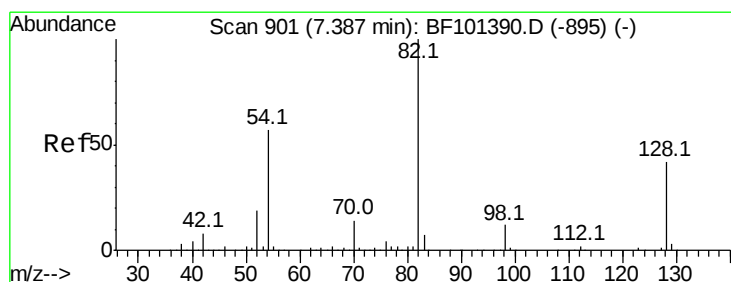
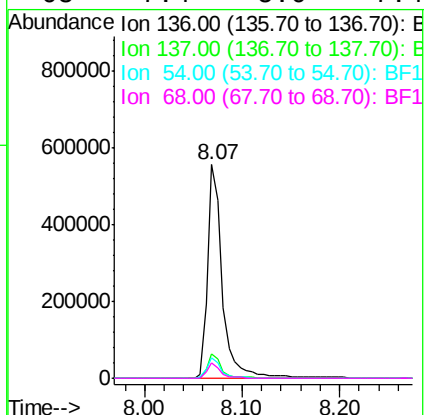
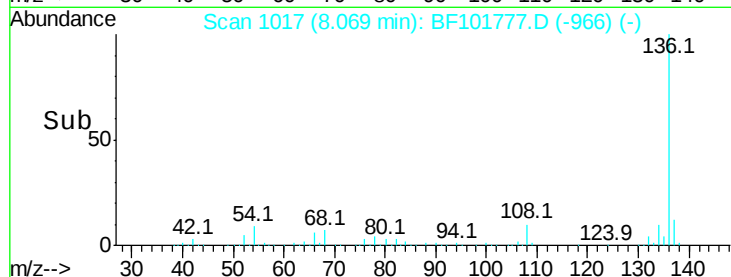
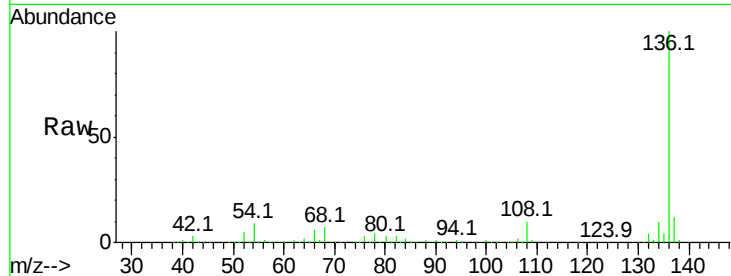
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.6	8.9	13.3
54	9.4	6.6	9.8
68	7.4	5.0	7.4

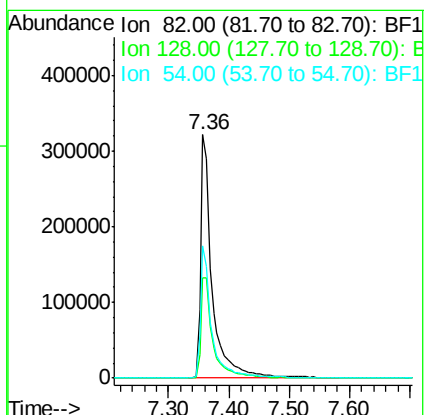
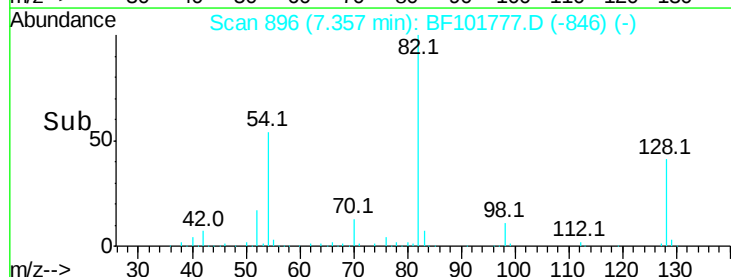
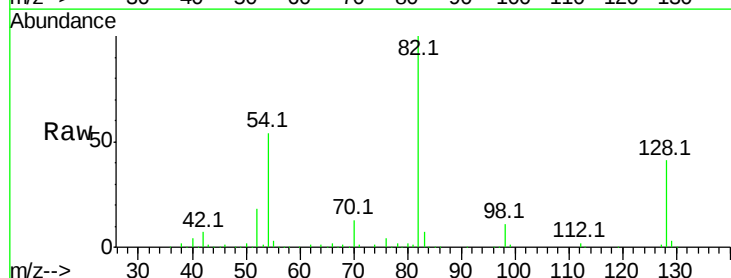
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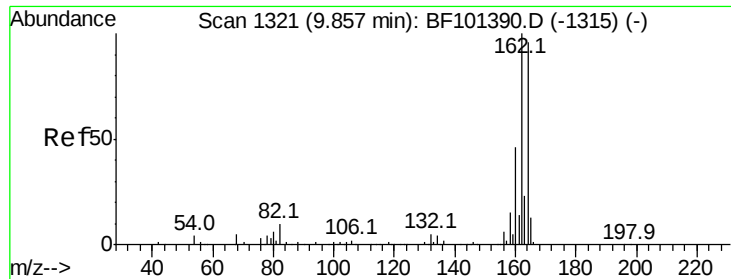
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#23
Nitrobenzene-d5
Concen: 41.072 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.2	36.1	54.1
54	54.5	41.4	62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

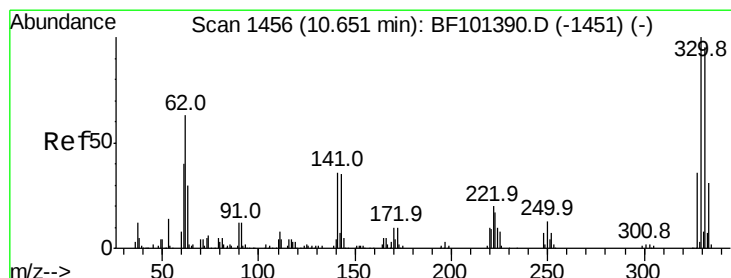
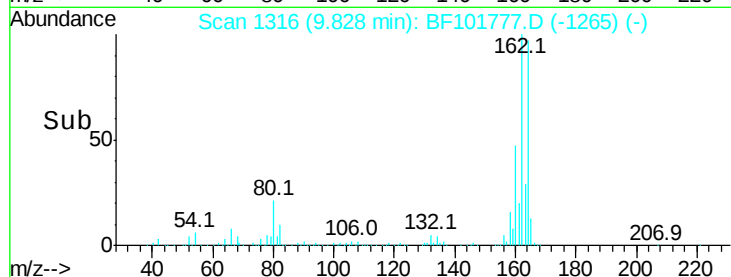
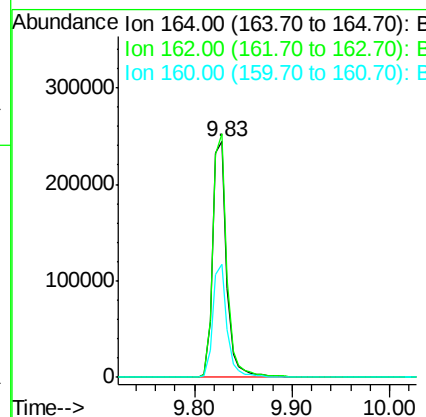
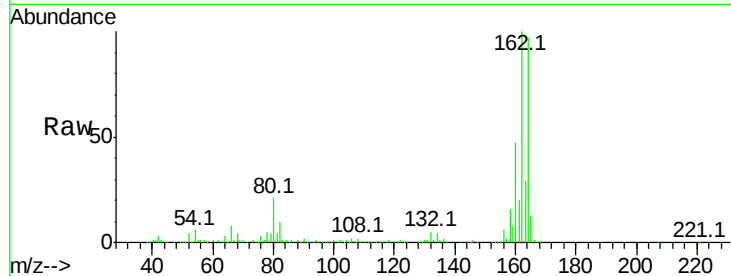
ClientSampleId :

SAMPLE-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	245250		
162	103.4	86.1	129.1	
160	48.3	38.3	57.5	

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#41

2,4,6-Tribromophenol

Concen: 54.845 ng

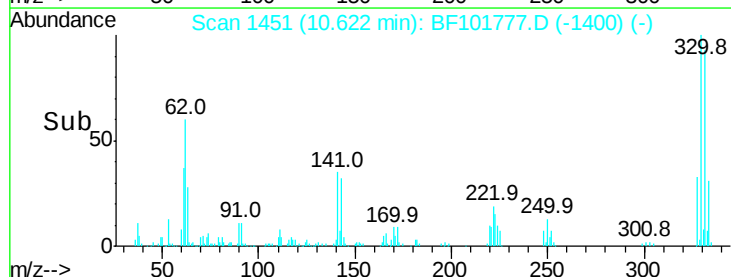
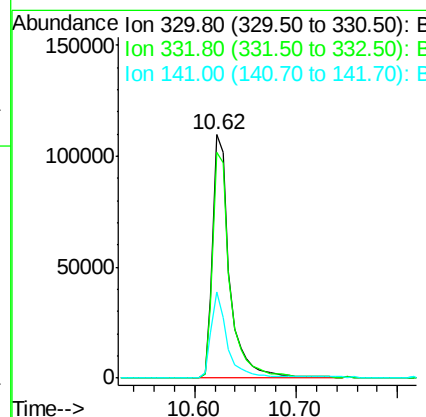
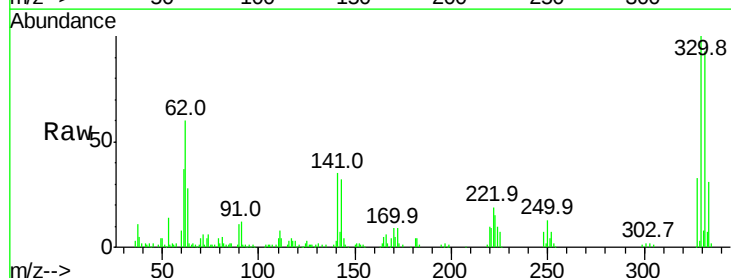
RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	129609		
332	95.3	77.0	115.6	
141	34.0	29.9	44.9	





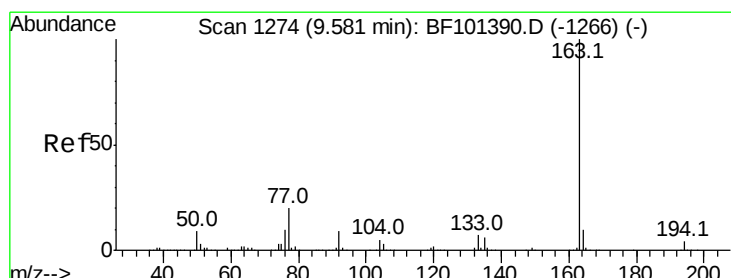
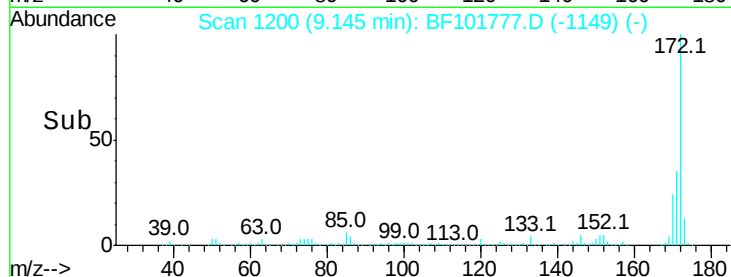
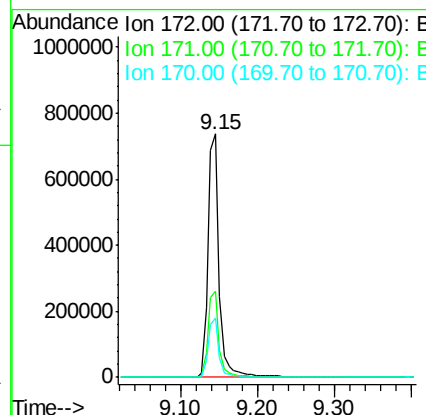
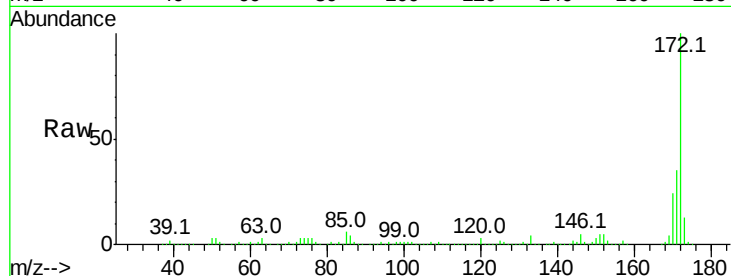
#44
 2-Fluorobiphenyl
 Concen: 47.022 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Instrument :
 BNA_F
 ClientSampled :
 SAMPLE-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.2	19.6	29.4

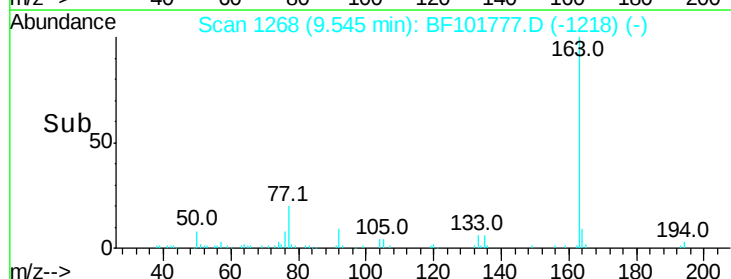
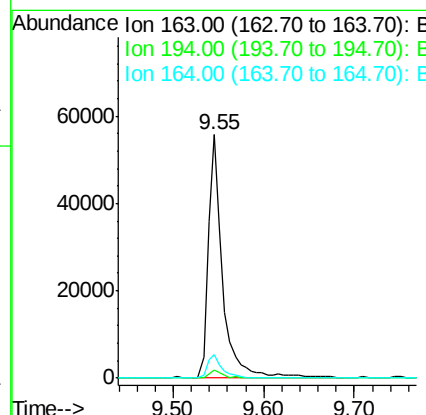
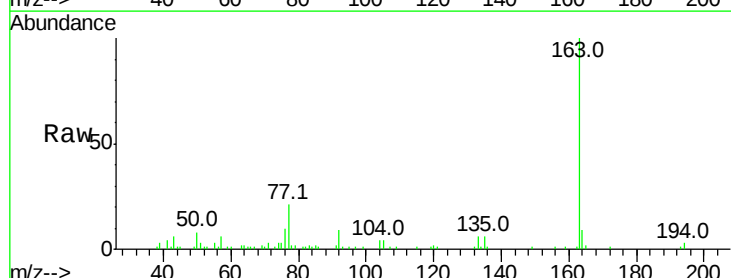
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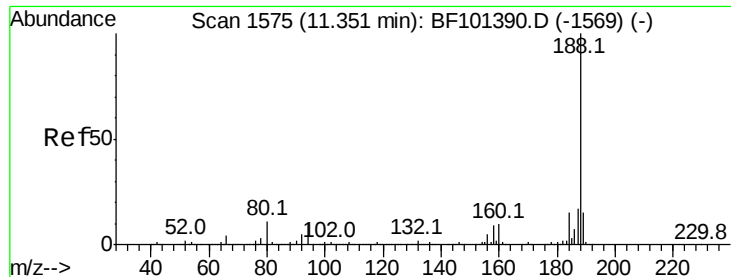
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#49
 Dimethylphthalate
 Concen: 3.166 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.5	8.2	12.2





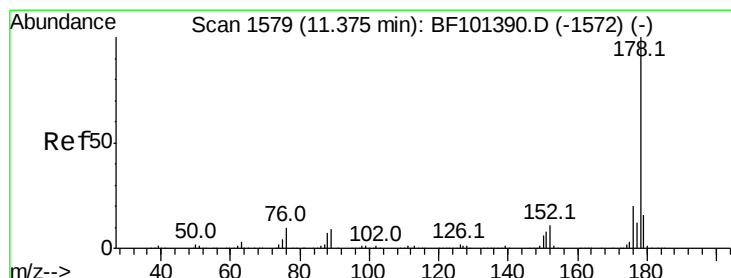
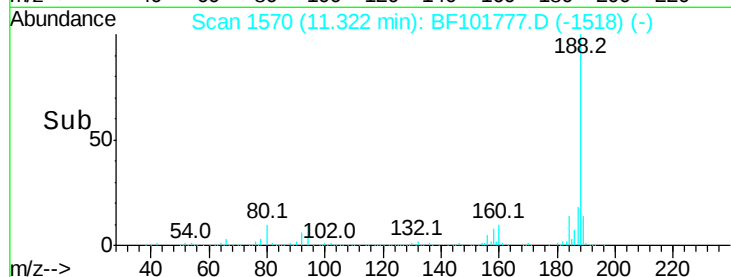
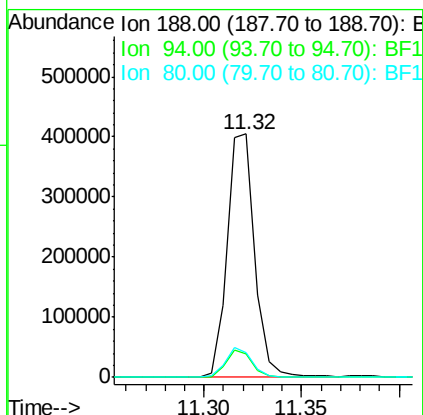
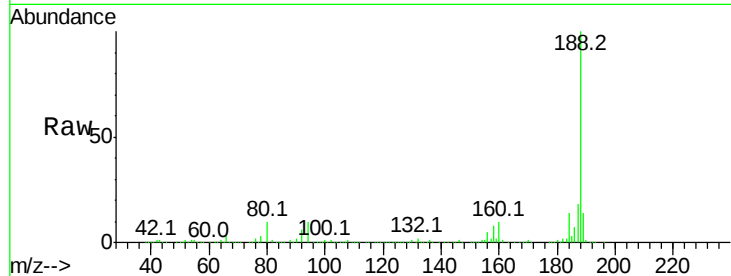
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Instrument :
BNA_F
ClientSampled :
SAMPLE-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.3	9.2	13.8

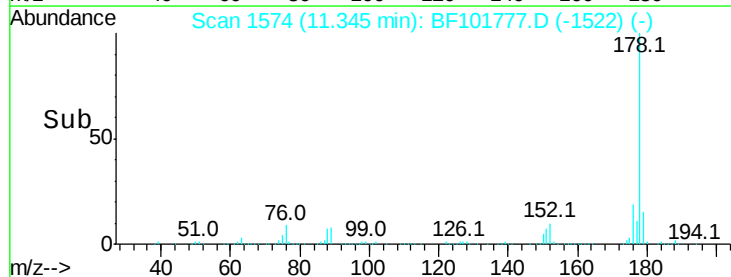
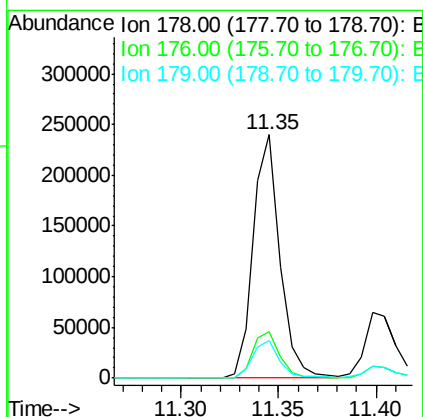
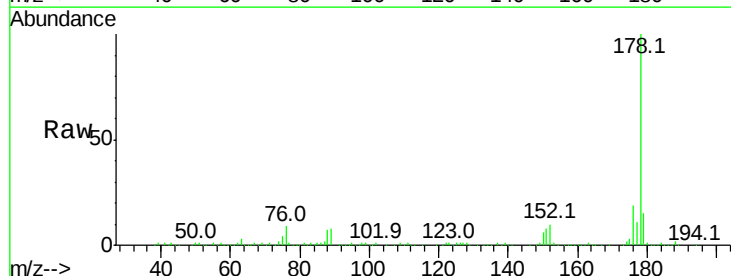
Manual Integrations
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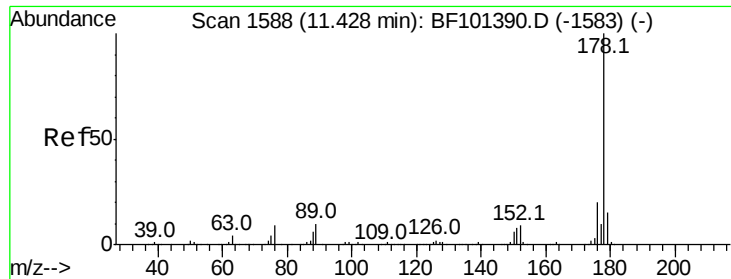
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#70
Phenanthrene
Concen: 10.389 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6





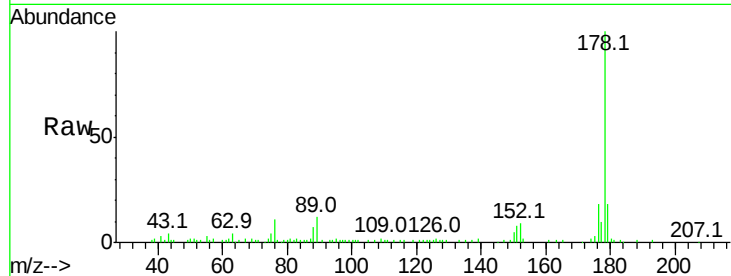
#71
 Anthracene
 Concen: 3.075 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1

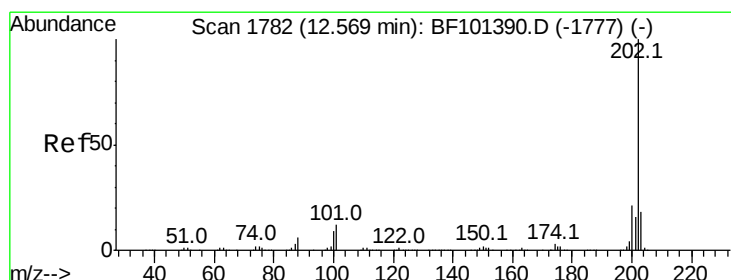
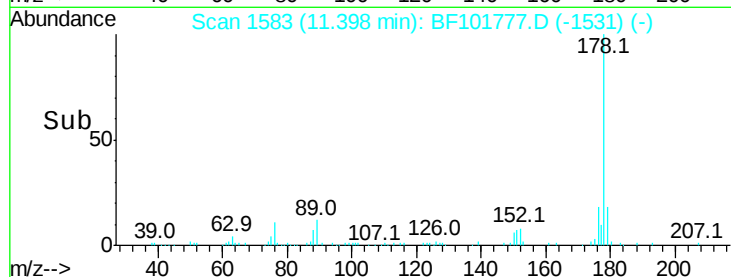
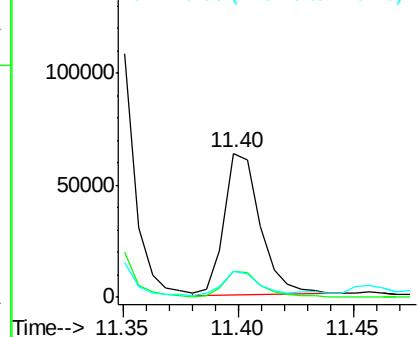
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	17.9	12.6	19.0

Manual Integrations
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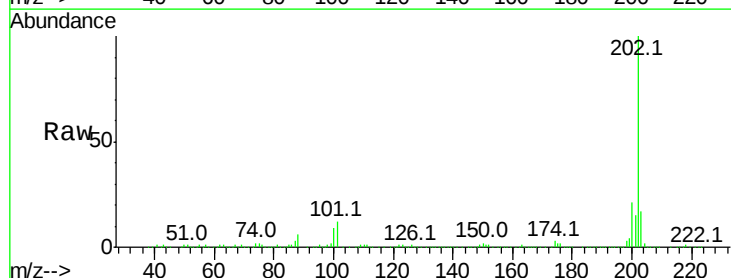


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

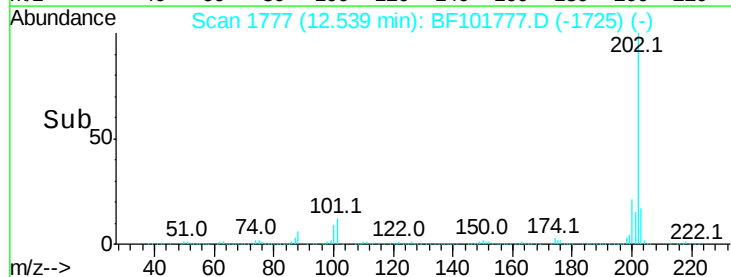
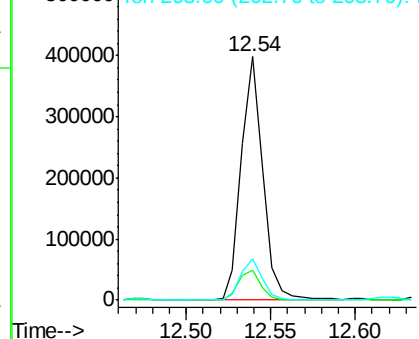


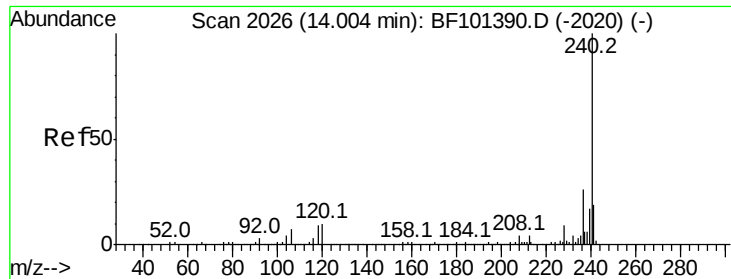
#74
 Fluoranthene
 Concen: 15.355 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.2	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Instrument :

BNA_F

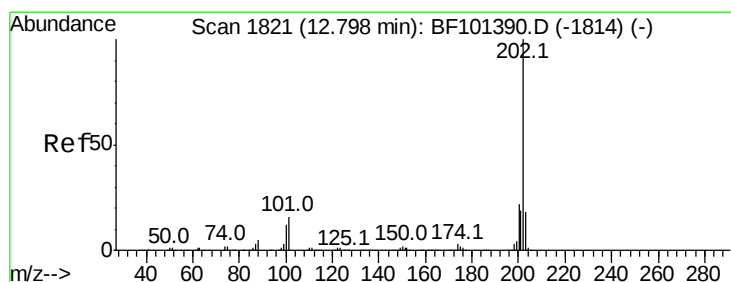
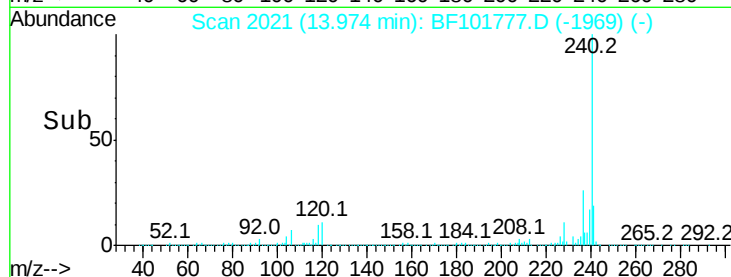
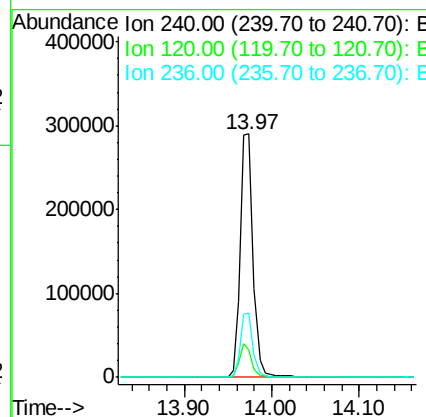
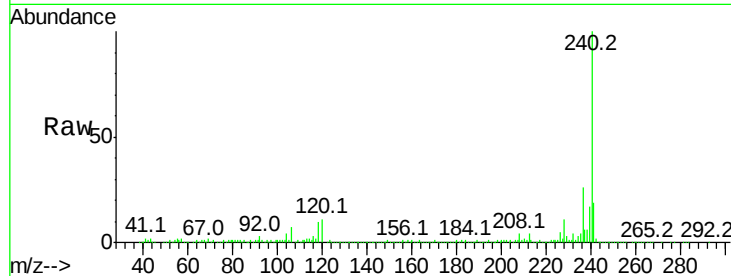
ClientSampleId :

SAMPLE-1

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	9.5	14.3
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 14.859 ng

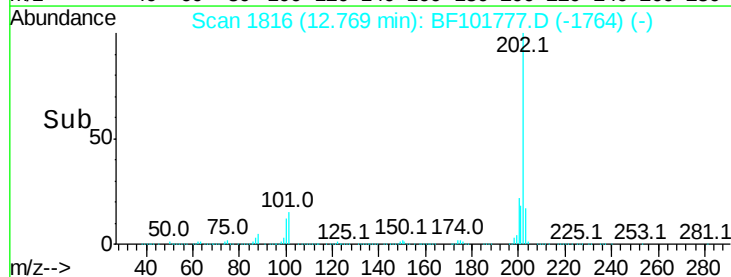
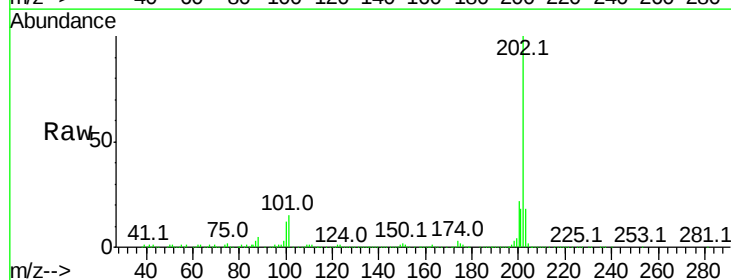
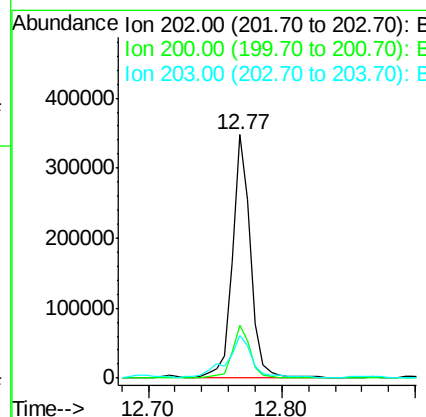
RT: 12.77 min Scan# 1816

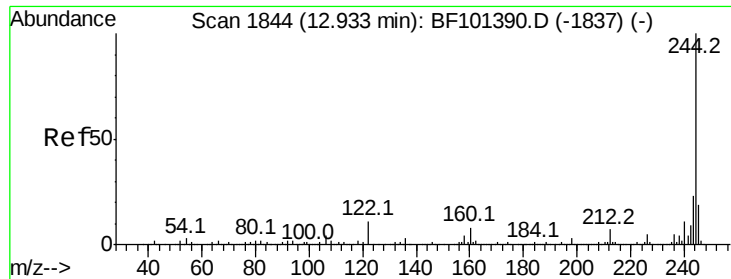
Delta R.T. 0.01 min

Lab File: BF101777.D

Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.5	14.3	21.5





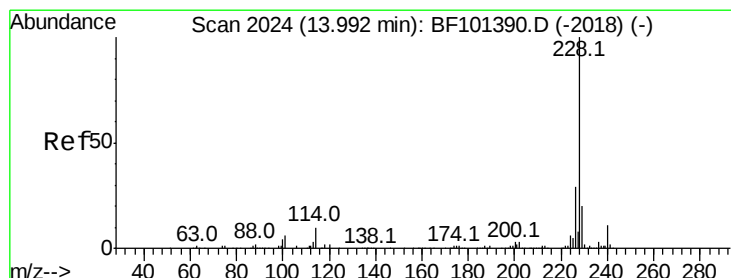
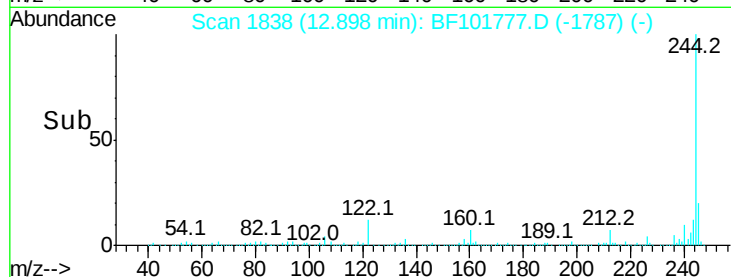
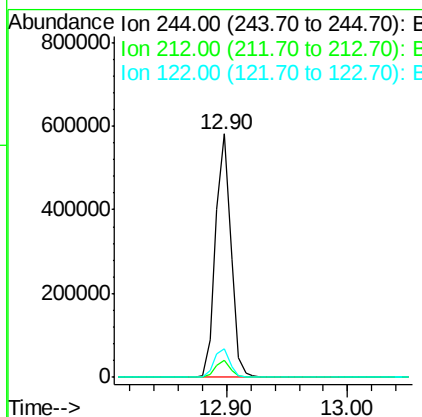
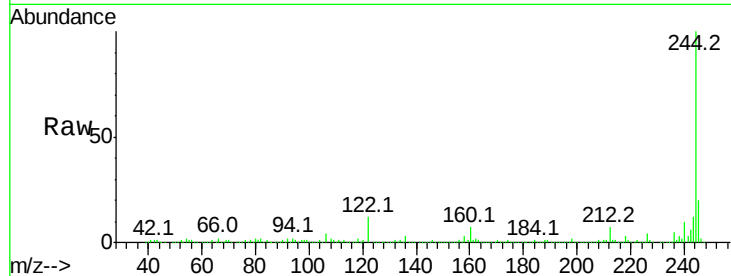
#78
 Terphenyl-d14
 Concen: 41.550 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1

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

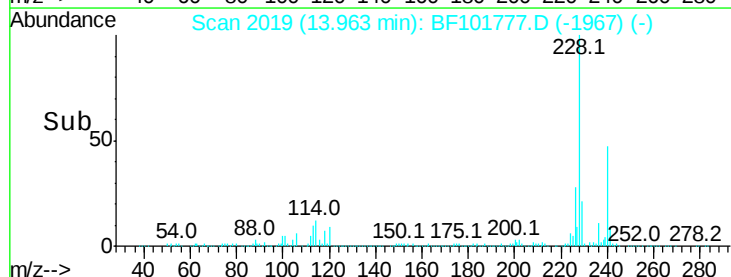
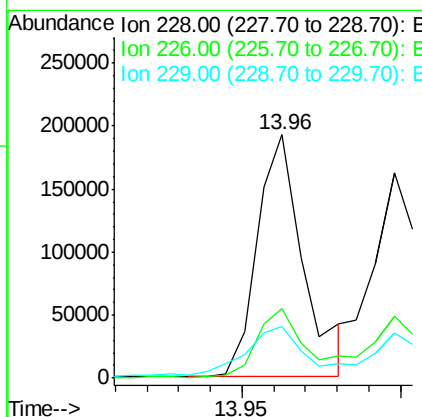
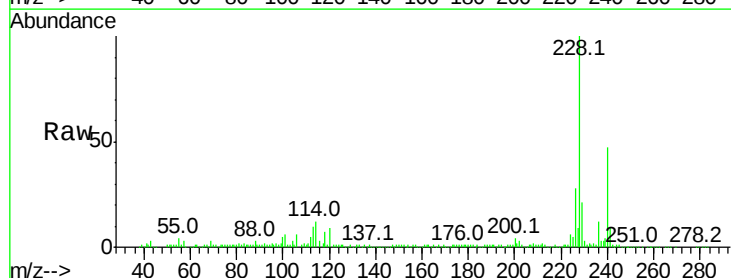
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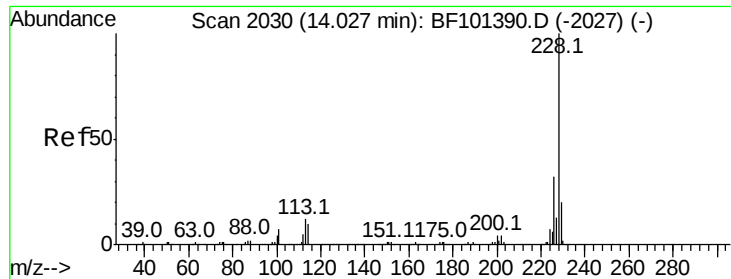
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#80
 Benzo(a)anthracene
 Concen: 10.045 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF101777.D
 Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.4	15.8	23.6





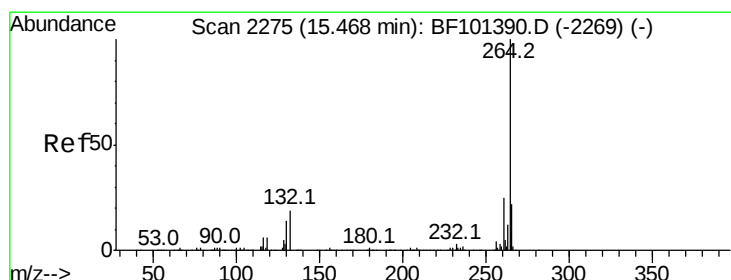
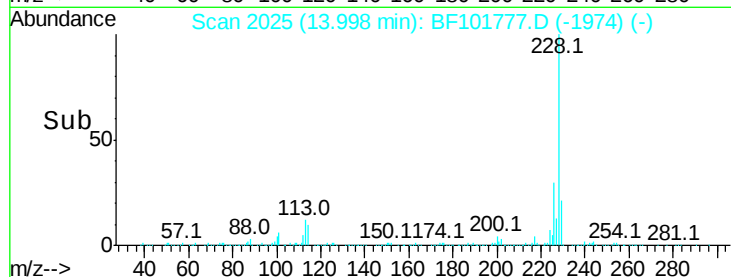
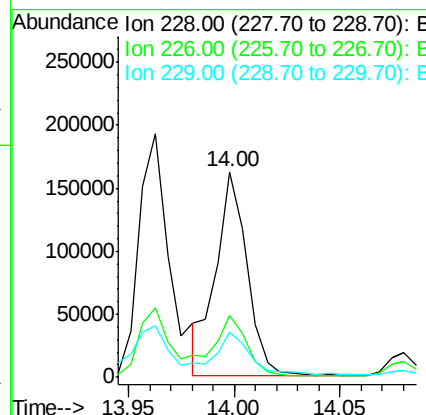
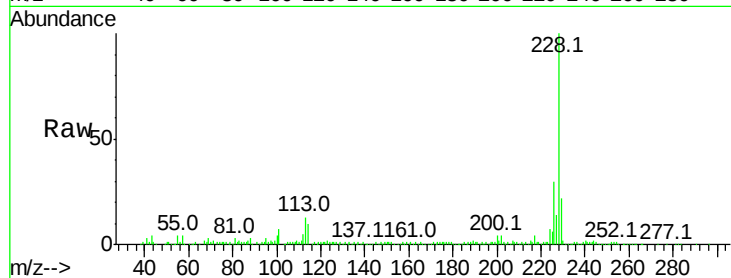
#82
Chrysene
Concen: 9.056 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.9	16.2	24.4

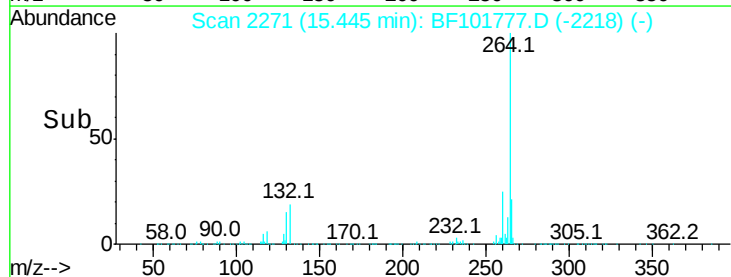
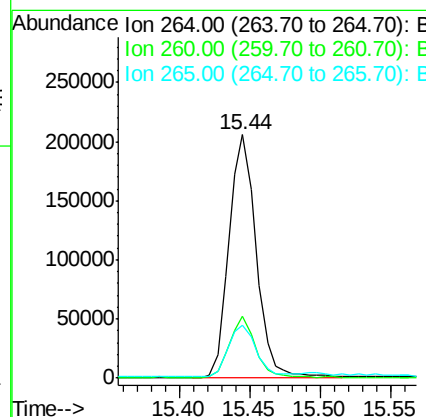
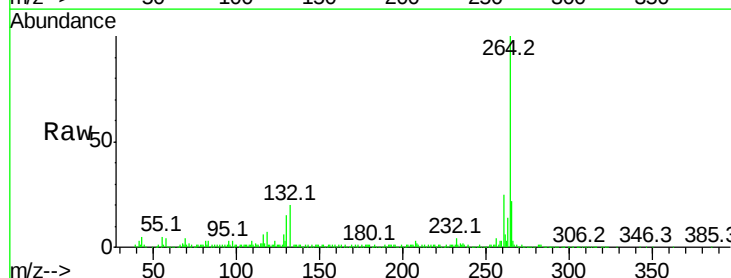
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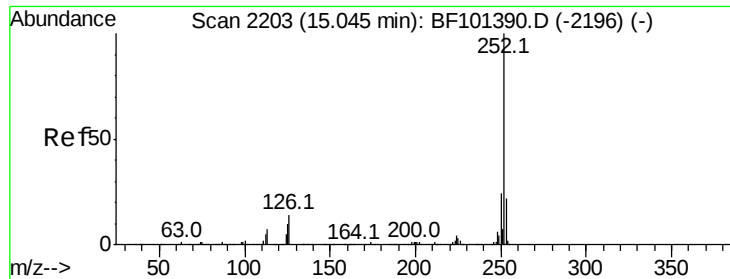
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	21.9	17.5	26.3





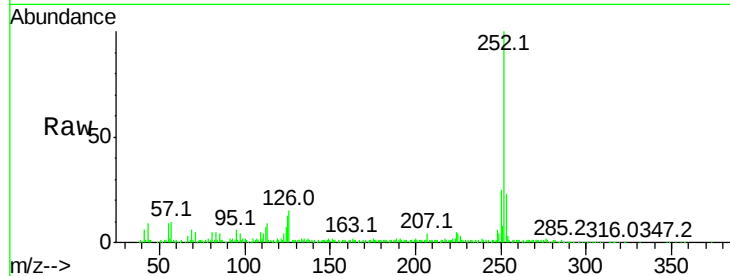
#87
Benzo(b)fluoranthene
Concen: 11.791 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	196777		
253	22.8		17.0	25.6
125	12.8		9.0	13.6

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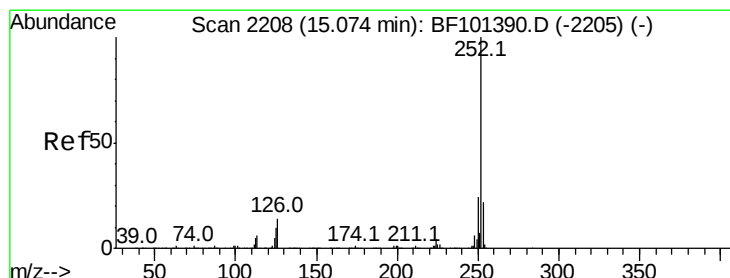
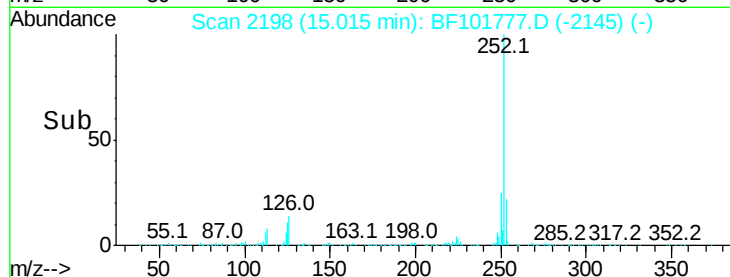
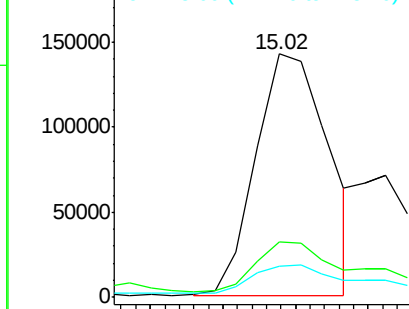


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 4.734 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

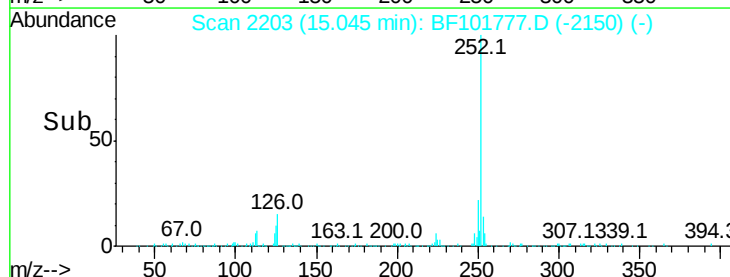
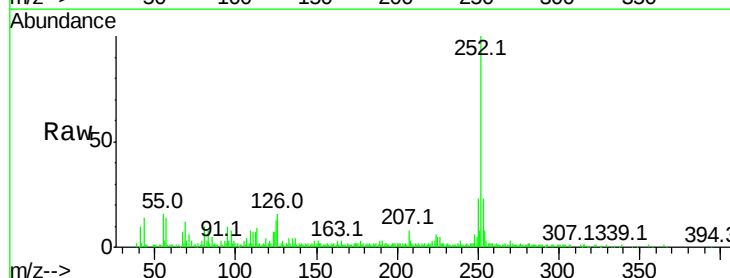
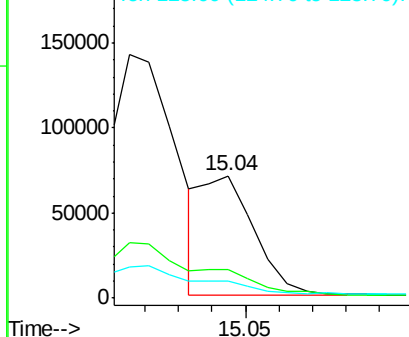
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	76810		
253	23.3		17.9	26.9
125	13.5		10.2	15.2

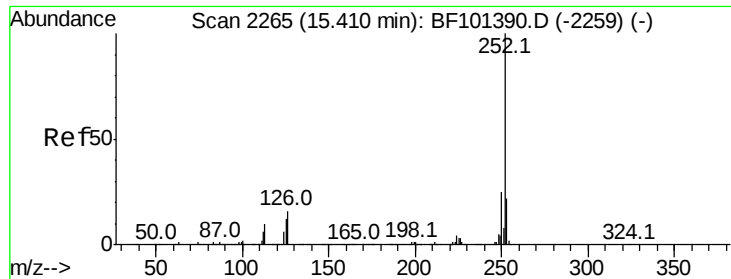
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





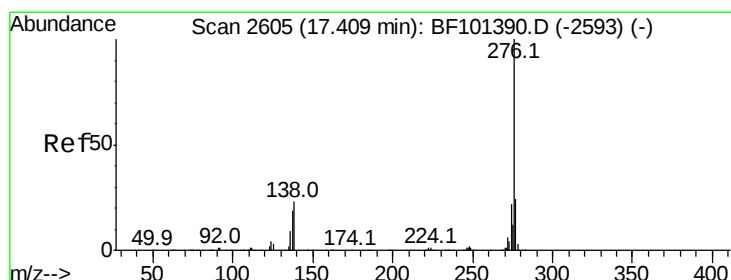
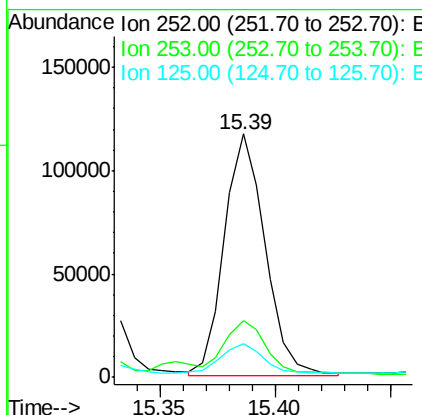
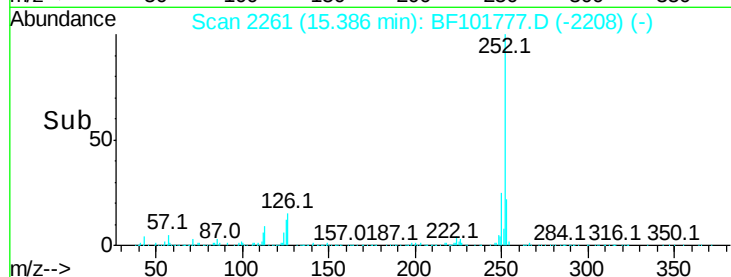
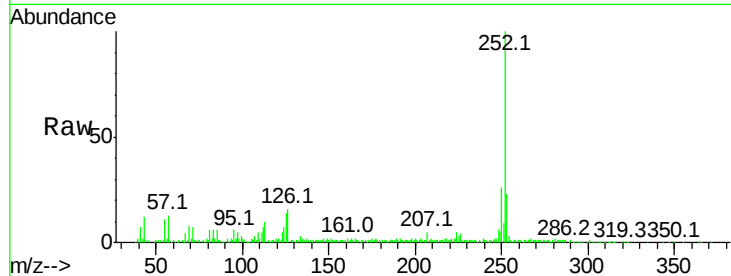
#89
Benzo(a)pyrene
Concen: 9.350 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	13.9	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 5.408 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.04 min
Lab File: BF101777.D
Acq: 27 Dec 2017 21:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	27.7	21.8	32.8

