

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101782.D
 Acq On : 28 Dec 2017 00:09
 Operator : SJ/JU
 Sample : I7064-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6

Manual Integrations
 APPROVED

Sohil
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Quant Time: Dec 28 06:01:34 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	154879	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	598835	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	247177	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	396082	20.00	ng	0.00
75) Chrysene-d12	13.97	240	297804	20.00	ng	0.00
86) Perylene-d12	15.44	264	264737	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	590678	56.81	ng	0.00
7) Phenol-d6	6.44	99	721216	55.73	ng	0.00
23) Nitrobenzene-d5	7.36	82	420741	39.11	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	124497	52.27	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	653516	41.01	ng	0.00
78) Terphenyl-d14	12.90	244	431154	34.90	ng	0.00
Target Compounds						
10) Phenol	6.46	94	29653	2.011	ng	Qvalue # 51
49) Dimethylphthalate	9.55	163	46185	2.323	ng	96
70) Phenanthrene	11.35	178	137711	6.252	ng	97
71) Anthracene	11.40	178	45633	2.028	ng	98
74) Fluoranthene	12.54	202	217244	9.396	ng	98
77) Pyrene	12.77	202	202626	9.066	ng	99
80) Benzo(a)anthracene	13.96	228	107285	5.456	ng	97
82) Chrysene	14.00	228	98104	5.284	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	36558	2.211	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	110934m	6.875	ng	
88) Benzo(k)fluoranthene	15.04	252	33638m	2.144	ng	
89) Benzo(a)pyrene	15.39	252	75080	5.047	ng	# 92
91) Benzo(a,h,i)perylene	17.40	276	34905	2.760	ng	# 95

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

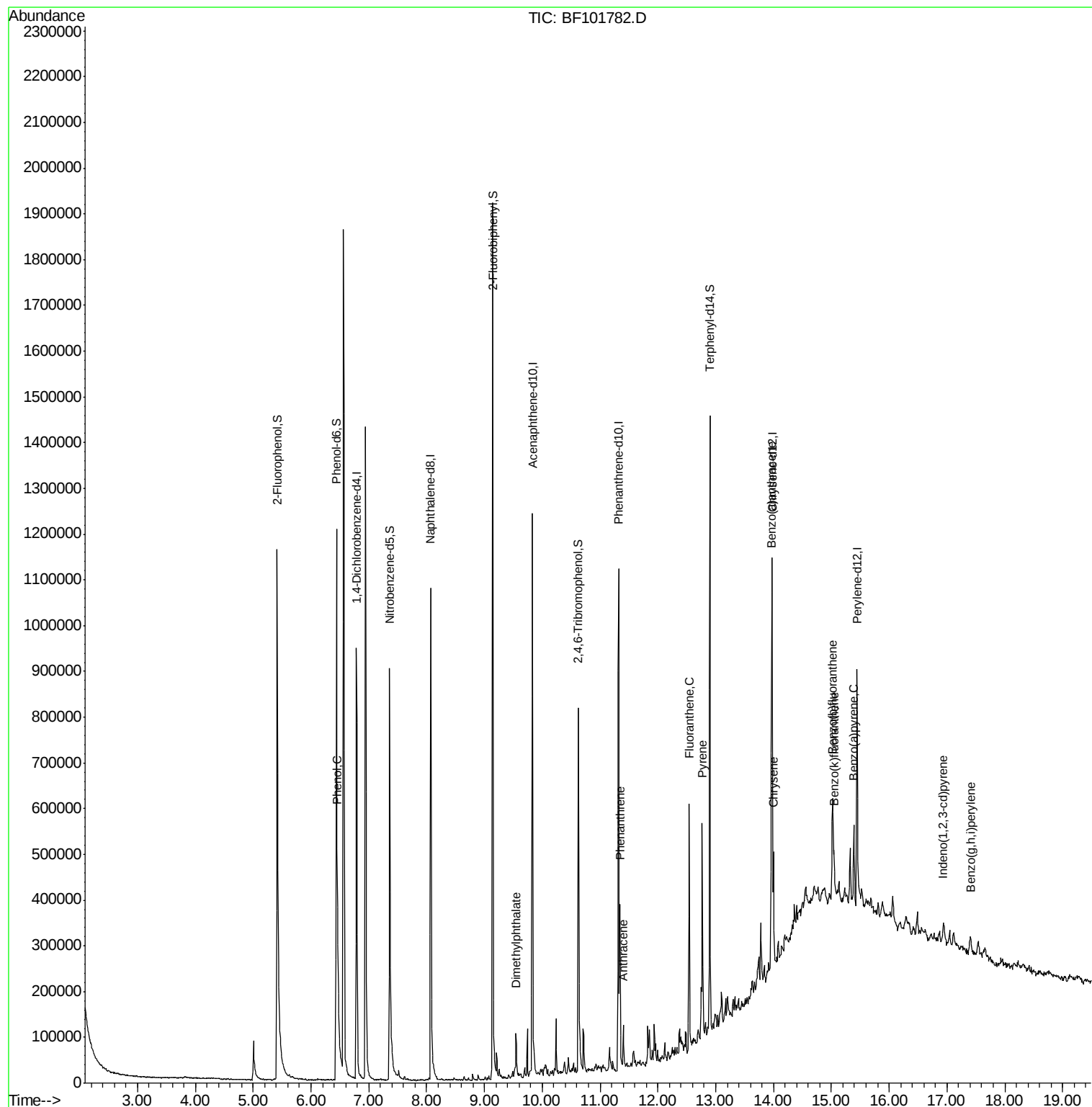
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
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#1

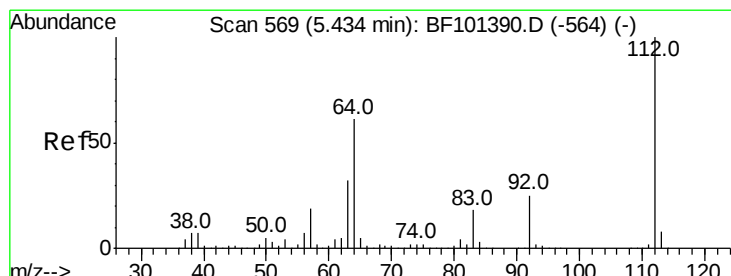
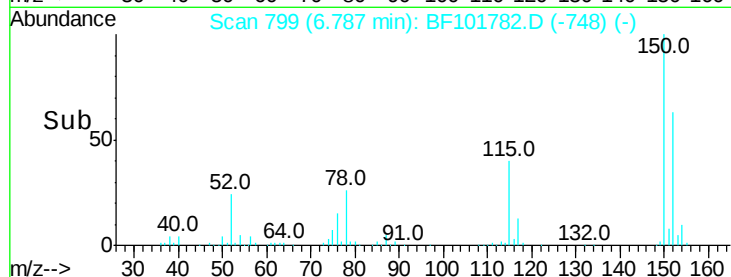
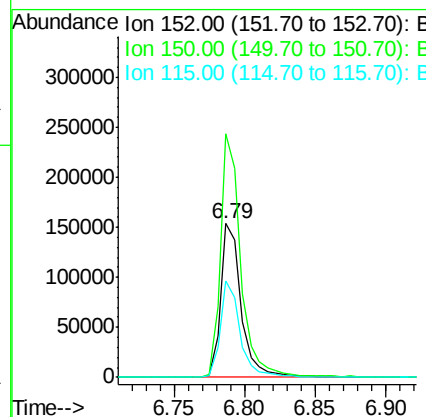
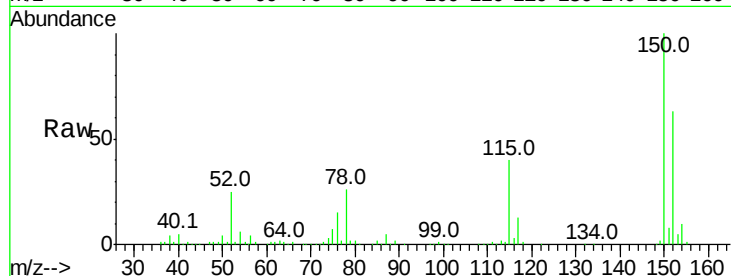
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Instrument :
BNA_F
ClientSampleId :
SAMPLE-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	62.7	50.1	75.1

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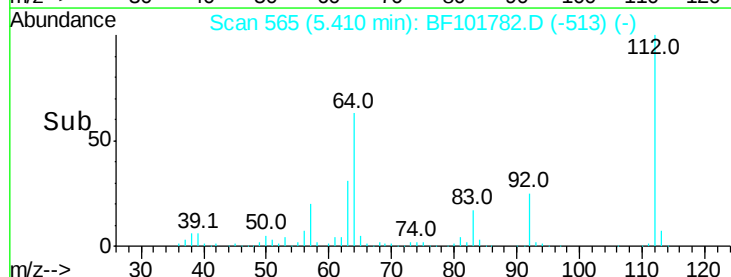
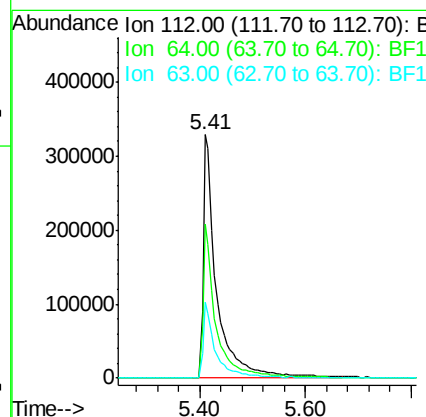
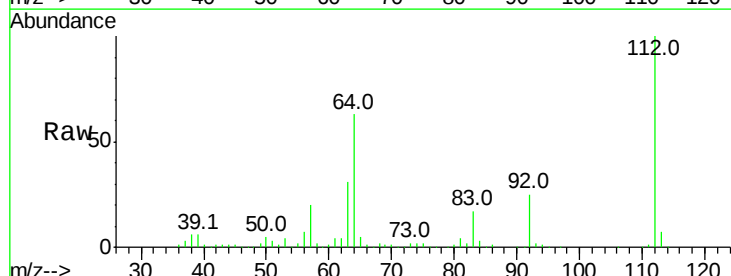
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#5

2-Fluorophenol
Concen: 56.810 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 55.735 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101782.D

Acq: 28 Dec 2017 00:09

Instrument :

BNA_F

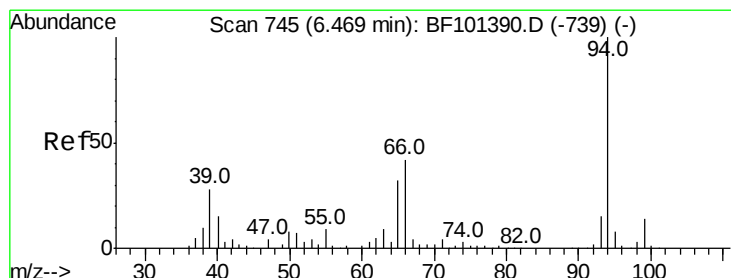
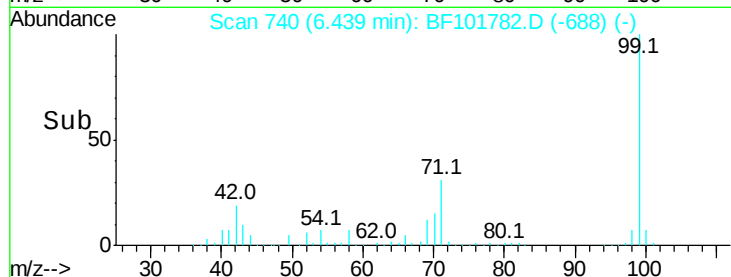
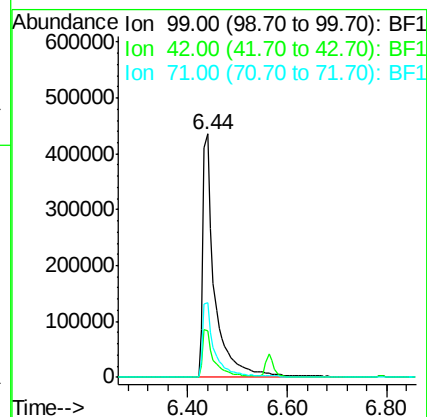
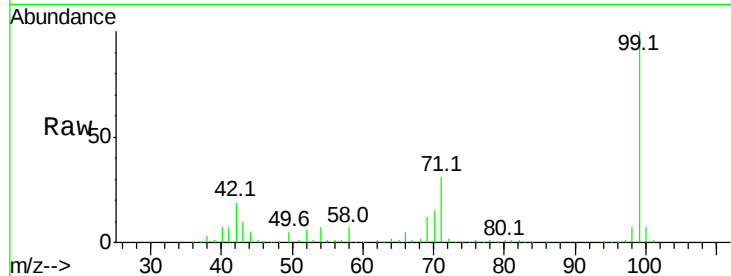
ClientSampled :

SAMPLE-6

Tot Ion:	99	Resp:	721216
Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.5	21.7
71	30.8	25.4	38.0

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#10

Phenol

Concen: 2.011 ng

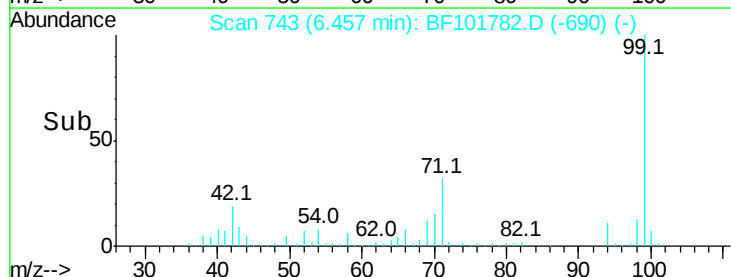
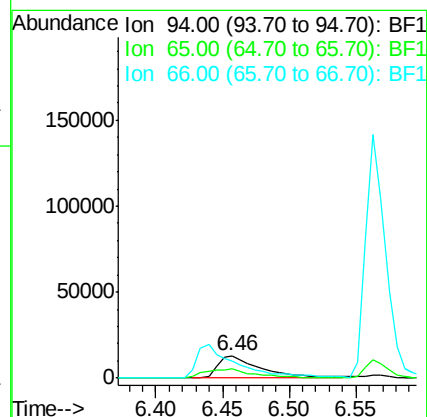
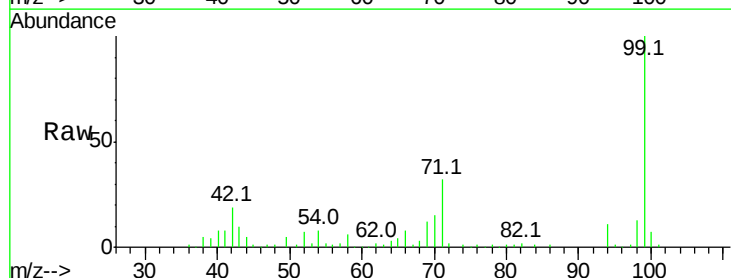
RT: 6.46 min Scan# 743

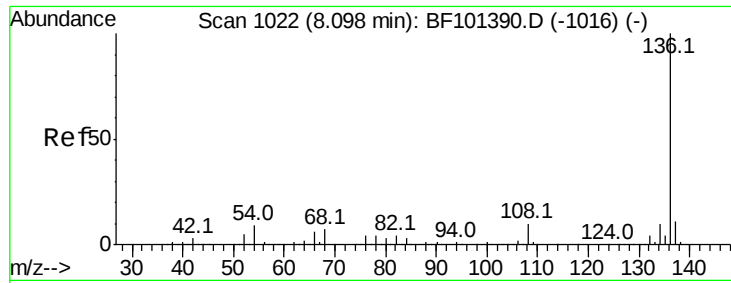
Delta R.T. 0.01 min

Lab File: BF101782.D

Acq: 28 Dec 2017 00:09

Tgt Ion:	94	Resp:	29653
Ion	Ratio	Lower	Upper
94	100		
65	39.4	7.9	47.9
66	77.2	16.2	56.2





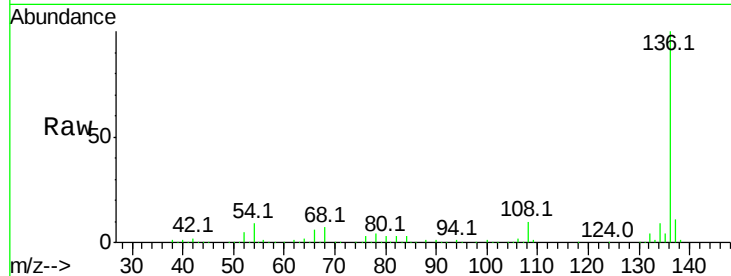
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Instrument :
BNA_F
ClientSampleId :
SAMPLE-6

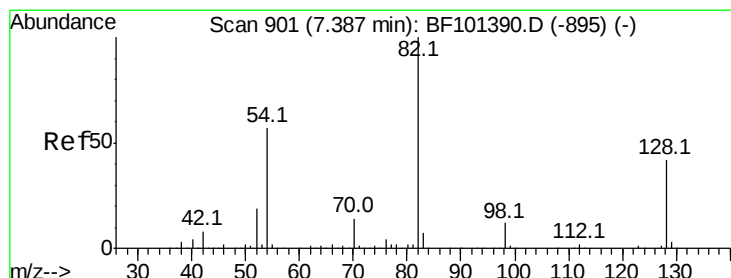
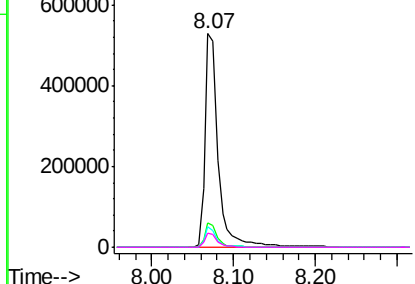
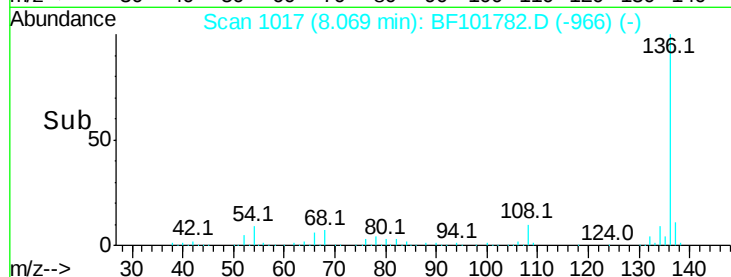
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.5	6.6	9.8
68	6.9	5.0	7.4

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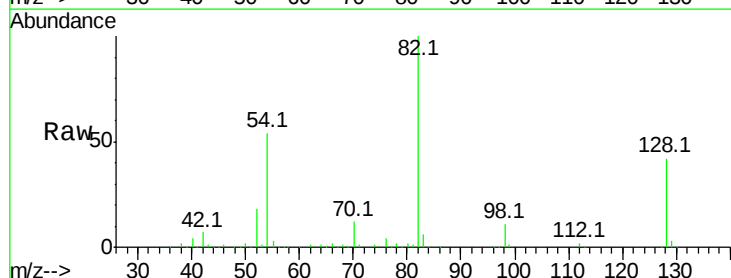


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

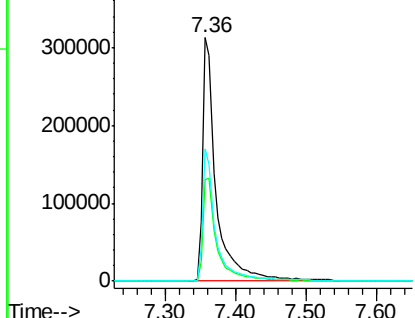
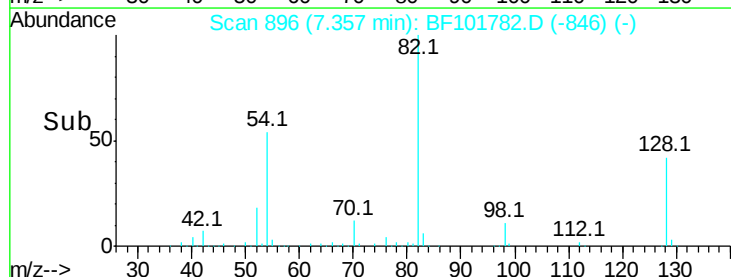


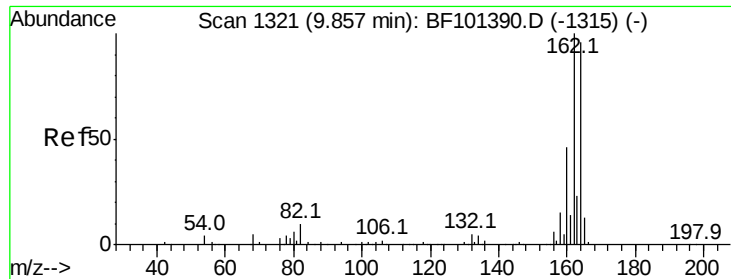
#23
Nitrobenzene-d5
Concen: 39.111 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.8	36.1	54.1
54	54.1	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





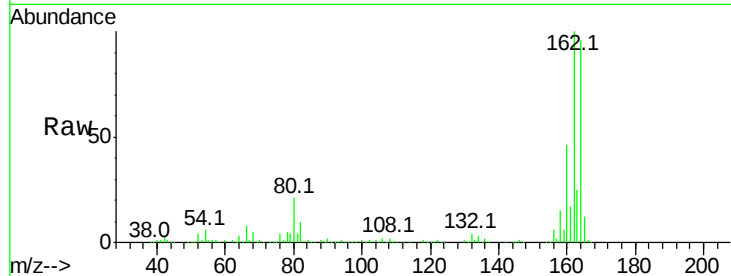
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Instrument :
BNA_F
ClientSampleId :
SAMPLE-6

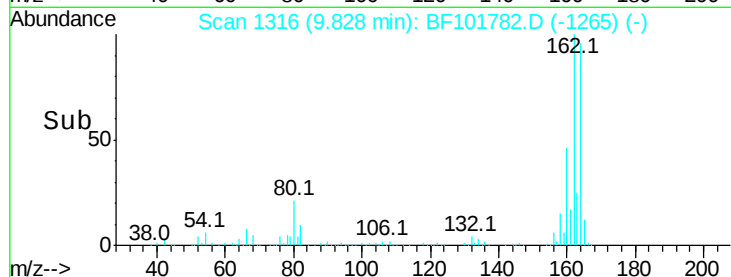
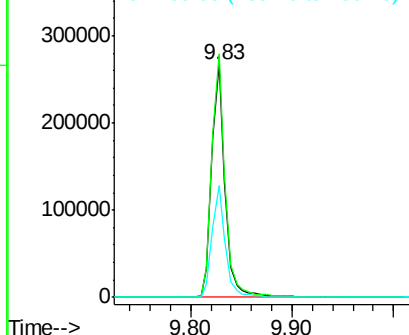
Tot Ion	Ratio	Resp	Lower	Upper
164	100	247177		
162	104.5	86.1	129.1	
160	47.7	38.3	57.5	

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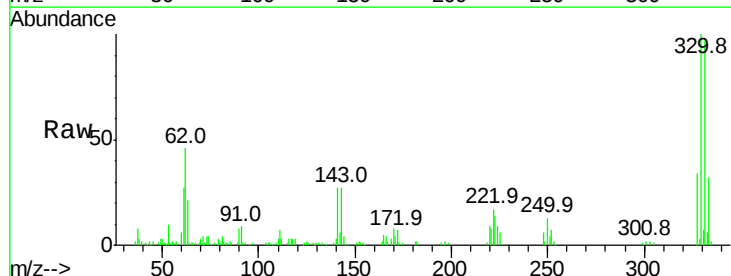
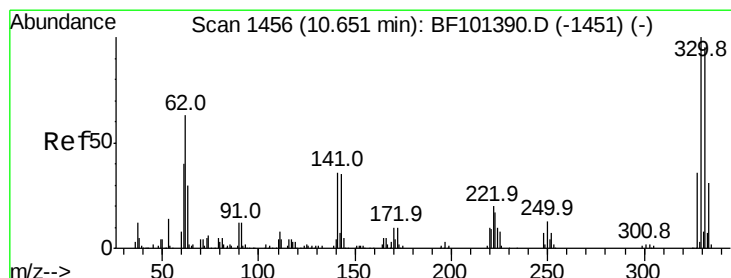
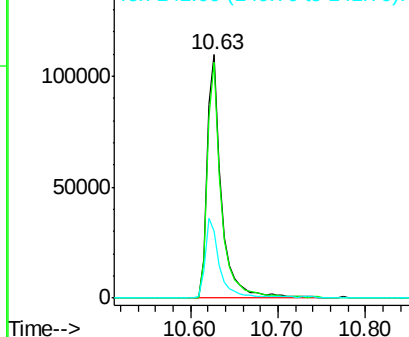
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 52.271 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.01 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	124497		
332	94.0	77.0	115.6	
141	33.1	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





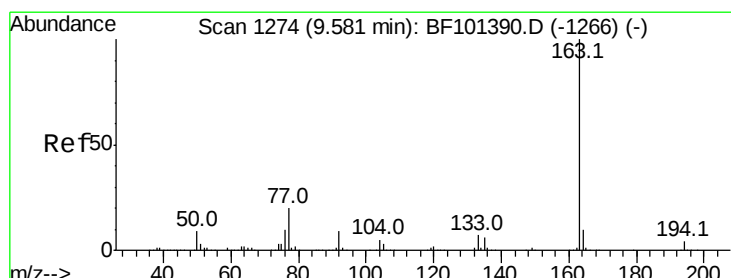
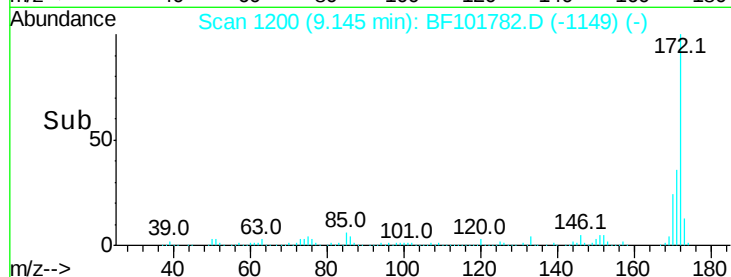
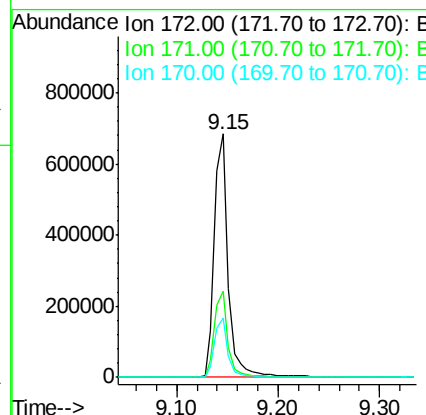
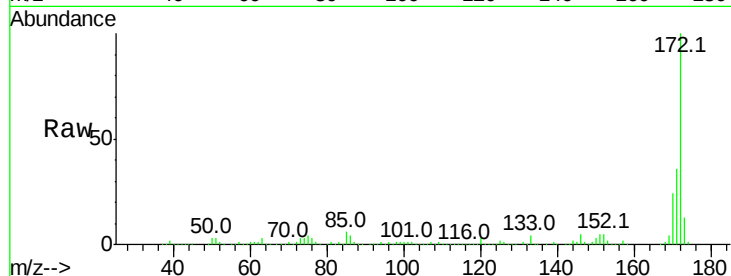
#44
 2-Fluorobiphenyl
 Concen: 41.014 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101782.D
 Acq: 28 Dec 2017 00:09

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6

Tot Ion	Ratio	Resp	Lower	Upper
172	100	653516		
171	35.6		29.7	44.5
170	24.4		19.6	29.4

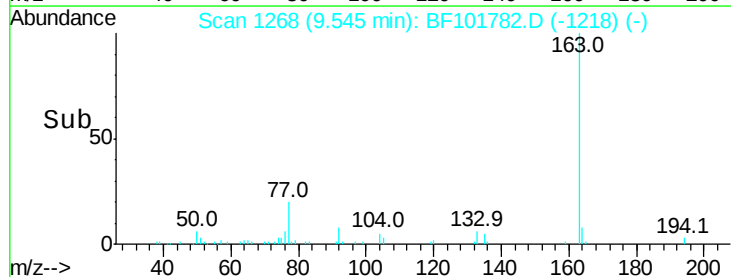
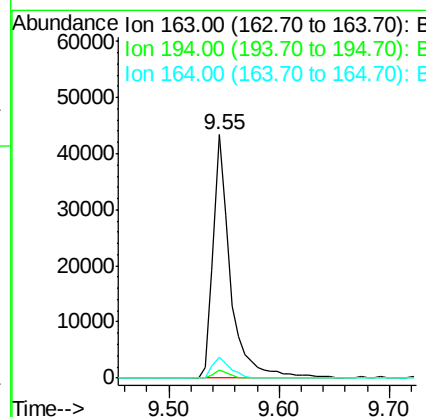
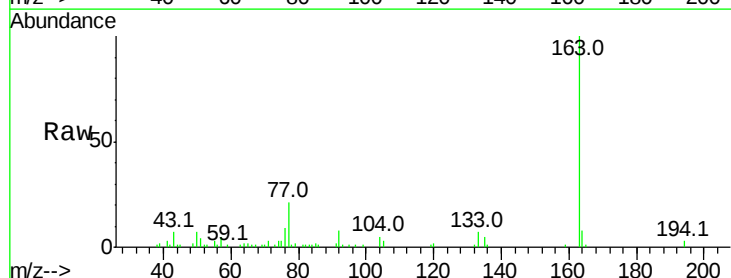
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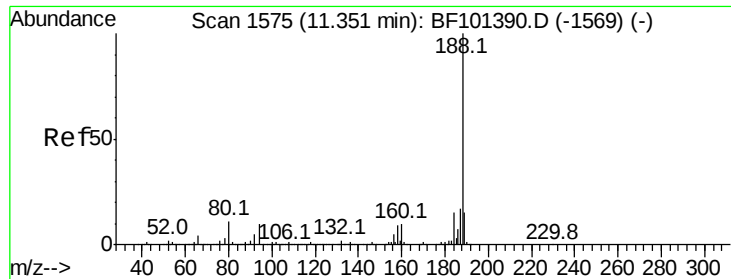
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#49
 Dimethylphthalate
 Concen: 2.323 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF101782.D
 Acq: 28 Dec 2017 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	46185		
194	3.4		2.7	4.1
164	8.4		8.2	12.2





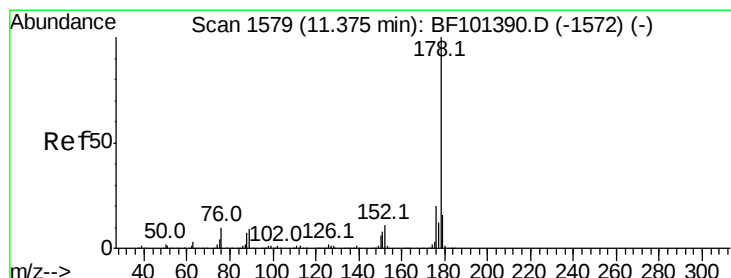
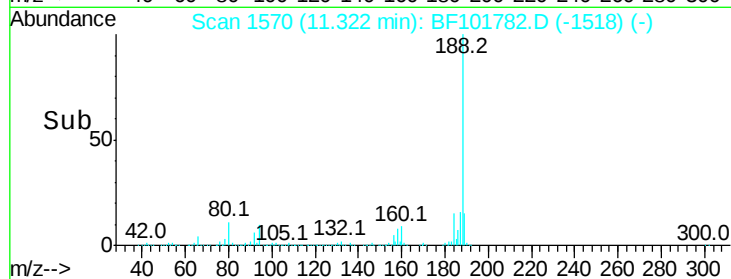
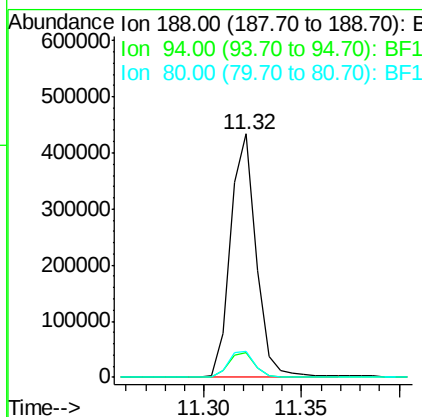
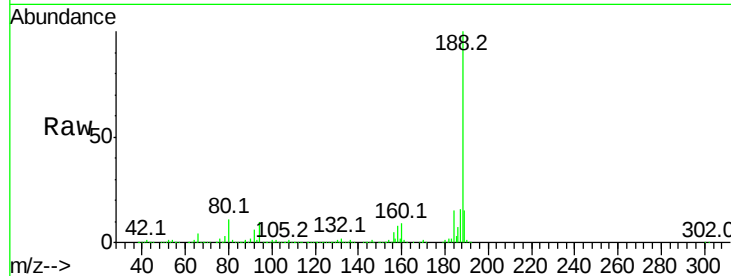
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Instrument :
BNA_F
ClientSampled :
SAMPLE-6

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.6	9.2	13.8

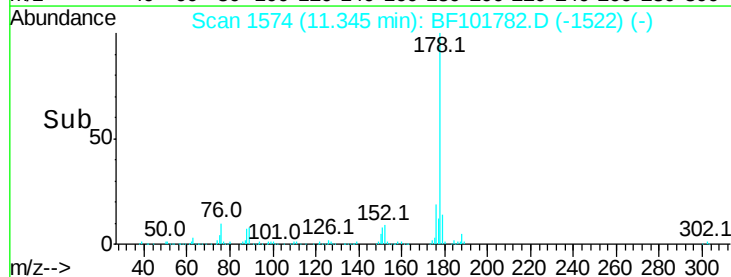
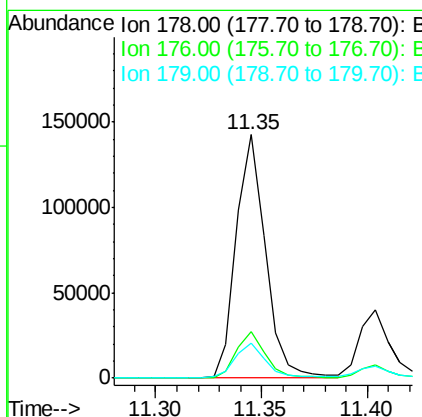
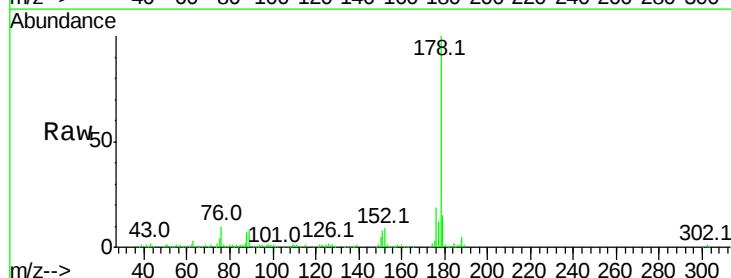
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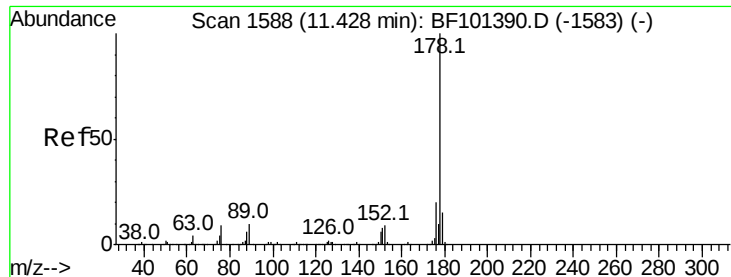
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#70
Phenanthrene
Concen: 6.252 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.6	13.0	19.6





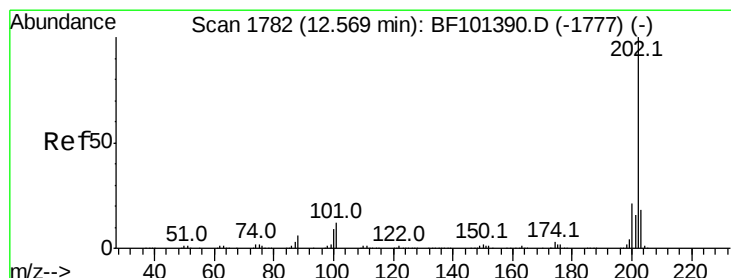
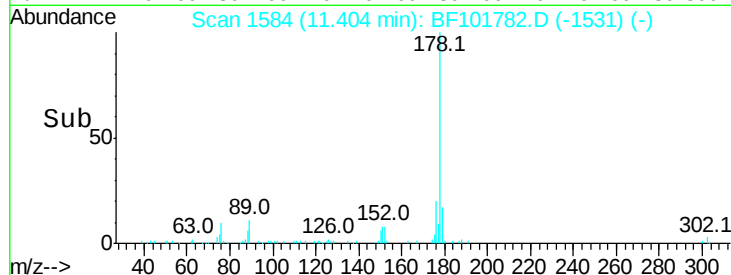
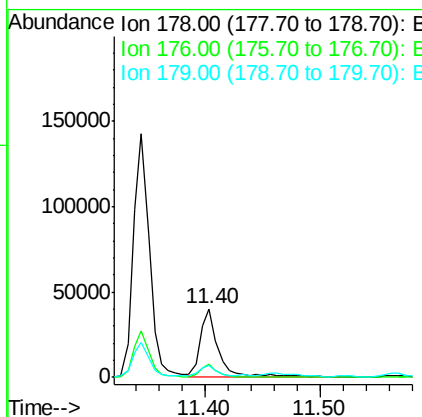
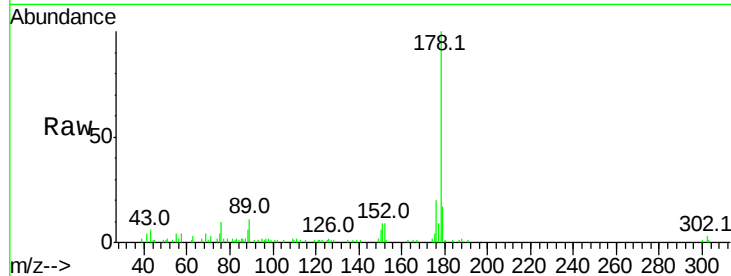
#71
 Anthracene
 Concen: 2.028 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: BF101782.D
 Acq: 28 Dec 2017 00:09

Instrument :
 BNA_F
 ClientSampled :
 SAMPLE-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	17.5	12.6	19.0

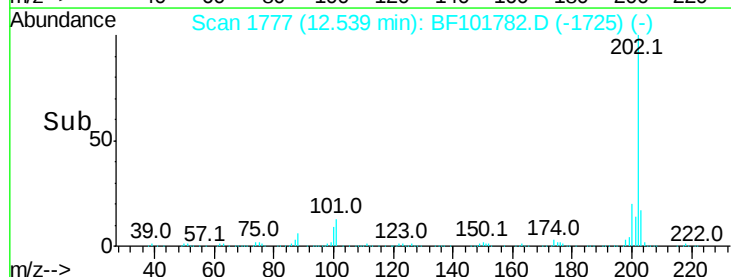
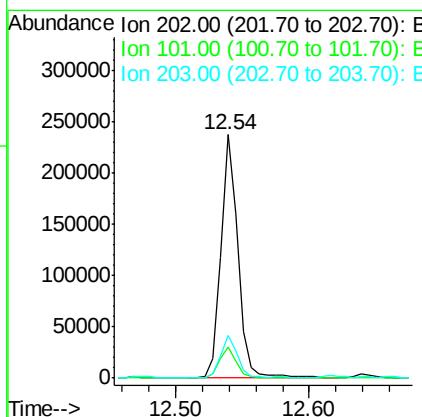
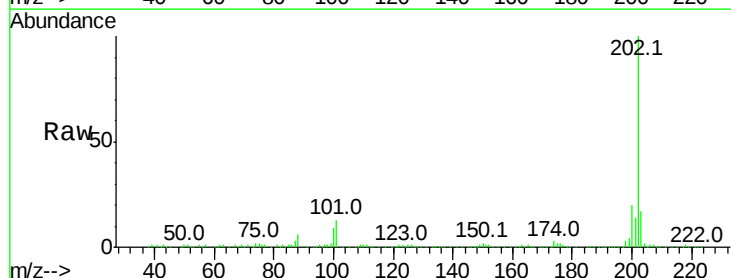
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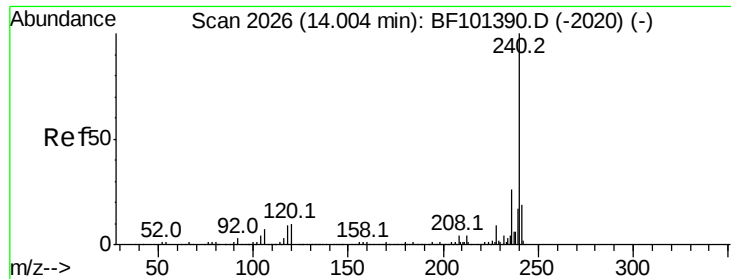
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#74
 Fluoranthene
 Concen: 9.396 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101782.D
 Acq: 28 Dec 2017 00:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.3	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: BF101782.D

Acq: 28 Dec 2017 00:09

Instrument :

BNA_F

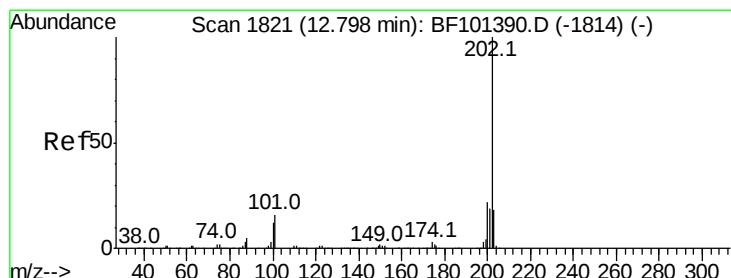
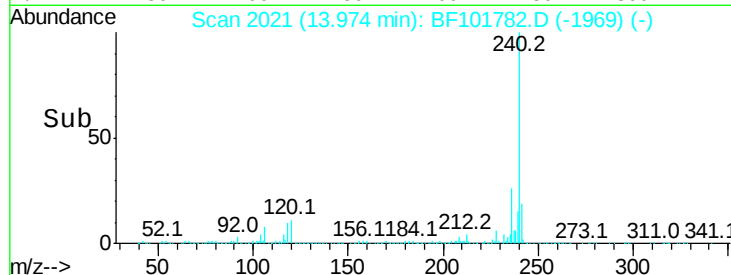
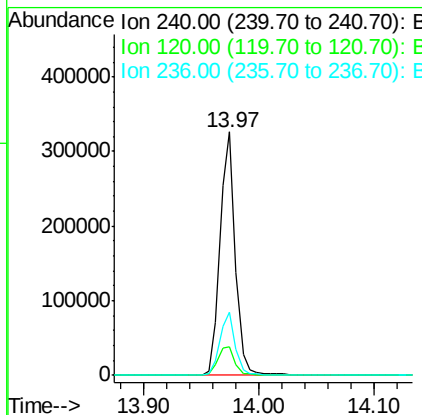
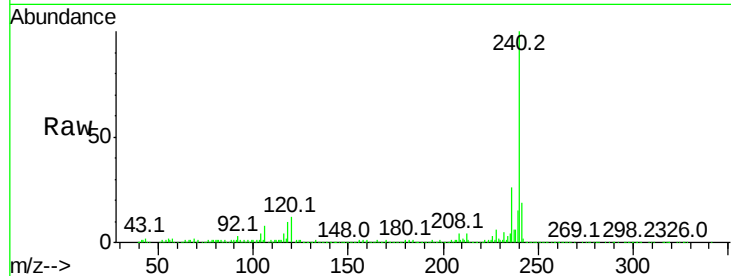
ClientSampled :

SAMPLE-6

Tot Ion:	240	Resp:	297804
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.5	14.3
236	25.8	20.7	31.1

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#77

Pyrene

Concen: 9.066 ng

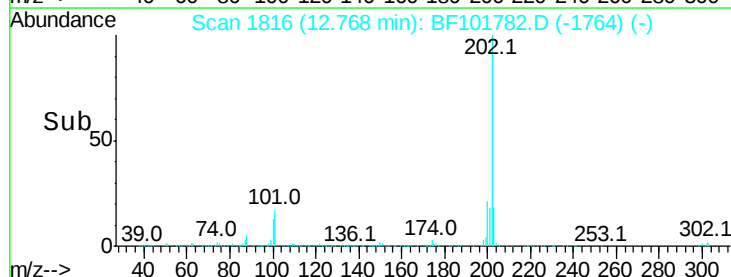
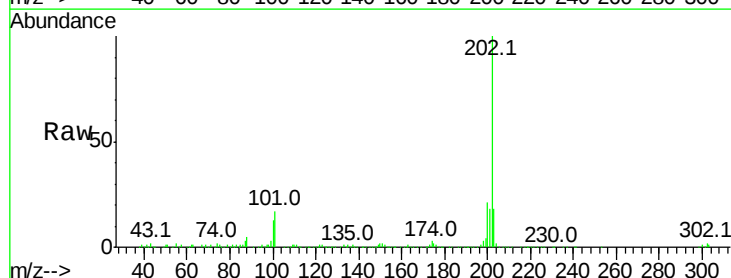
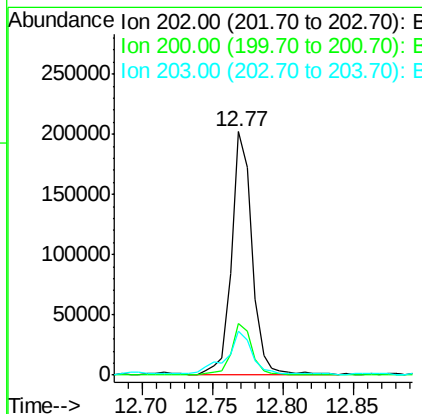
RT: 12.77 min Scan# 1816

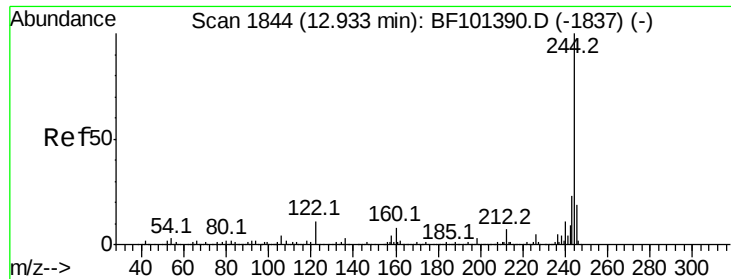
Delta R.T. 0.01 min

Lab File: BF101782.D

Acq: 28 Dec 2017 00:09

Tgt Ion:	202	Resp:	202626
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	18.2	14.3	21.5





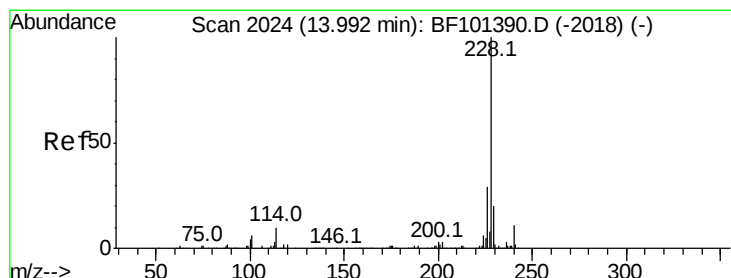
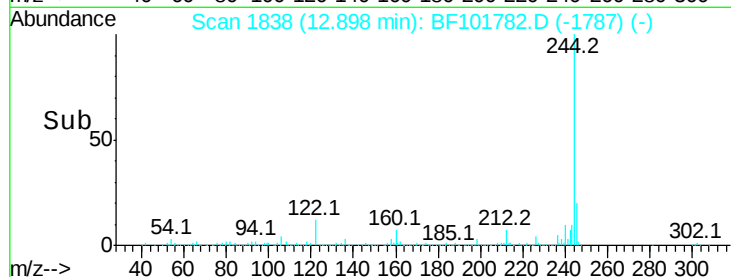
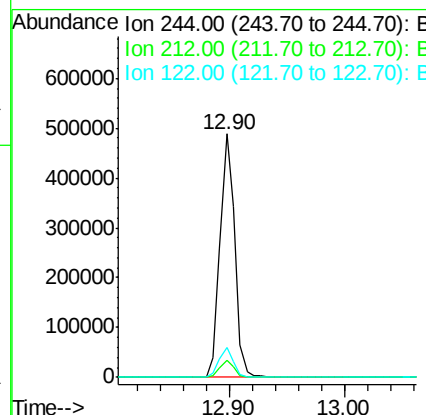
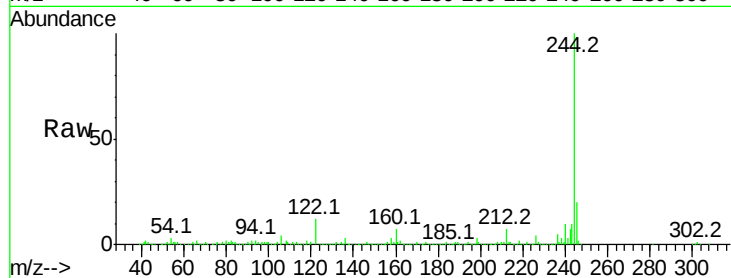
#78
 Terphenyl-d14
 Concen: 34.903 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BF101782.D
 Acq: 28 Dec 2017 00:09

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-6

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.4	11.0	16.4

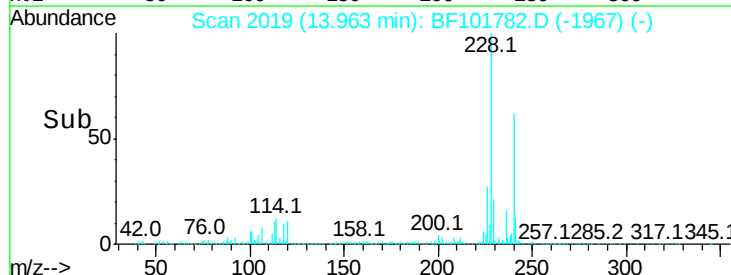
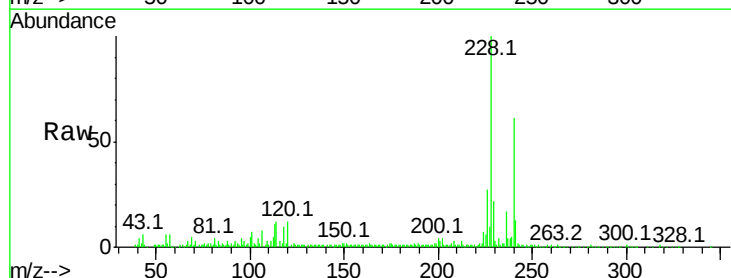
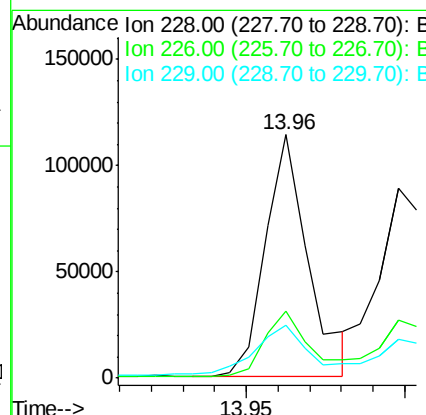
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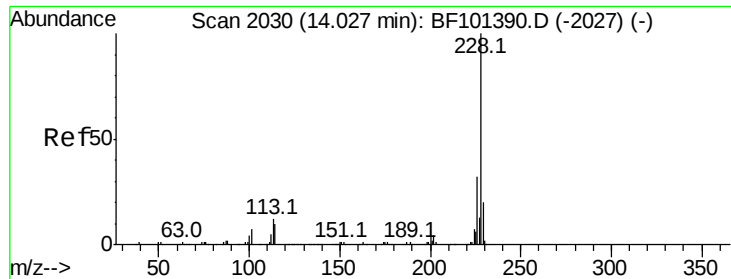
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#80
 Benzo(a)anthracene
 Concen: 5.456 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF101782.D
 Acq: 28 Dec 2017 00:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	21.8	15.8	23.6





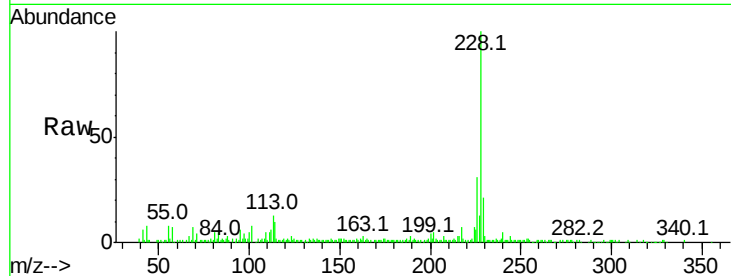
#82
Chrysene
Concen: 5.284 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Instrument :
BNA_F
ClientSampleId :
SAMPLE-6

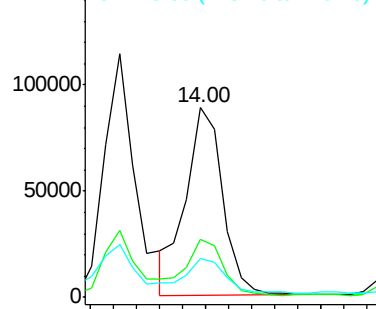
Tot Ion:	228	Resp:	98104
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	20.6	16.2	24.4

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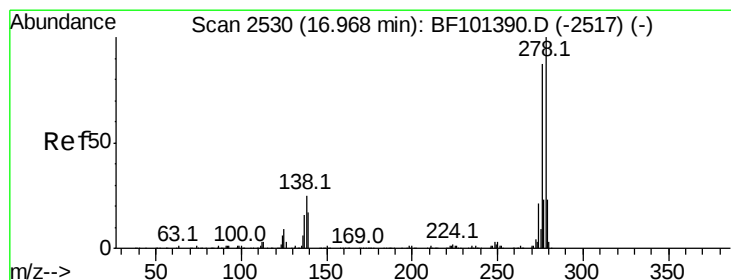
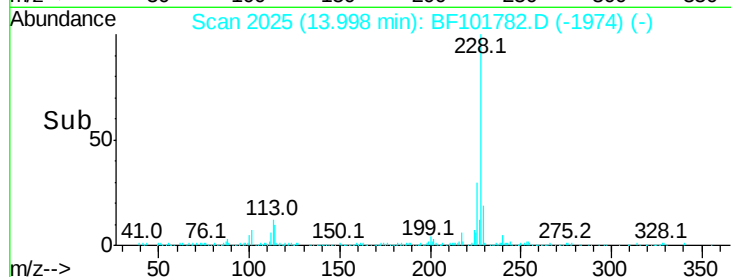
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



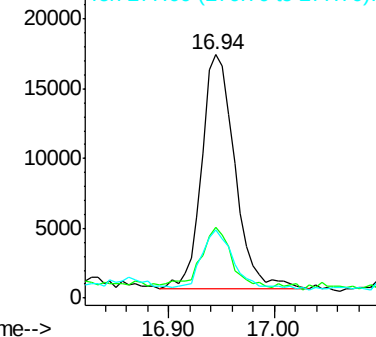
Time--> 13.95 14.00 14.05



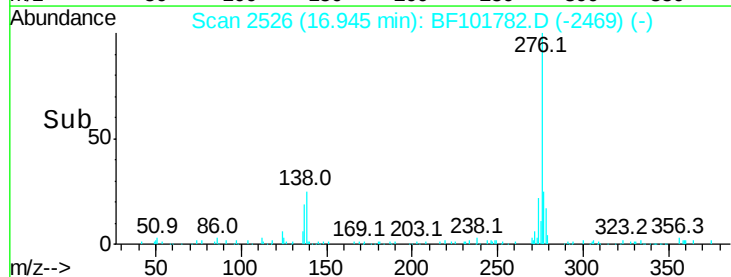
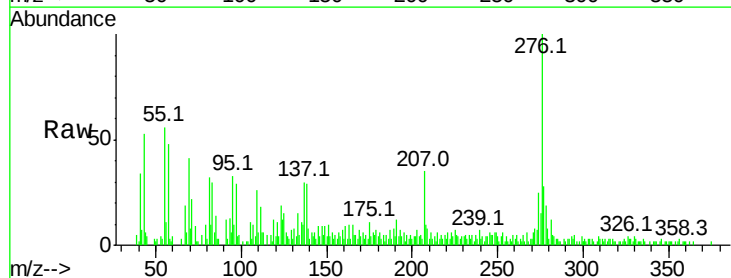
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.211 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.04 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

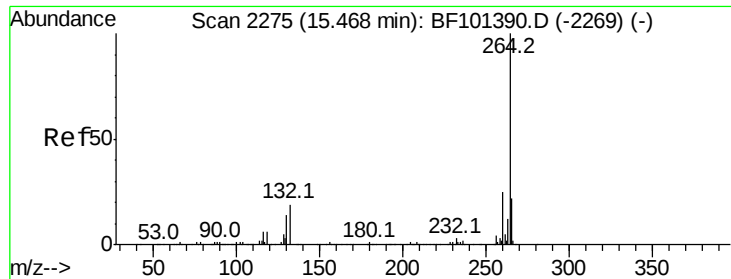
Tgt Ion:	276	Resp:	36558
Ion Ratio	Lower	Upper	
276	100		
138	23.7	25.0	37.6#
277	26.9	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time--> 16.90 17.00





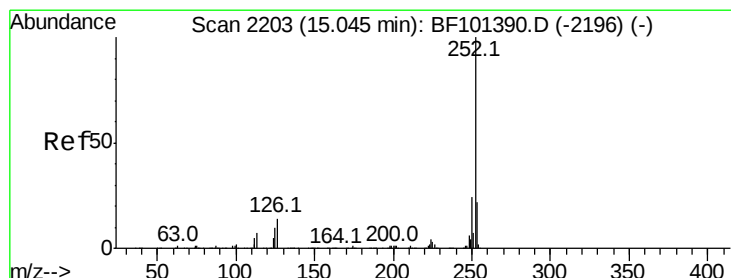
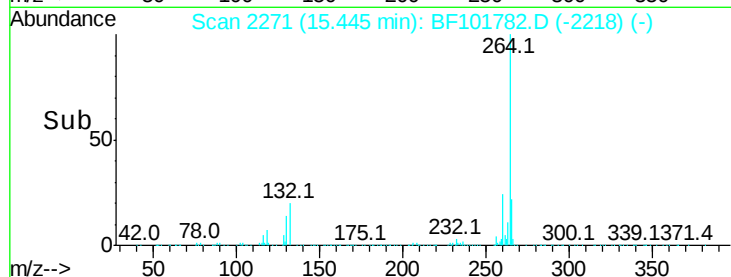
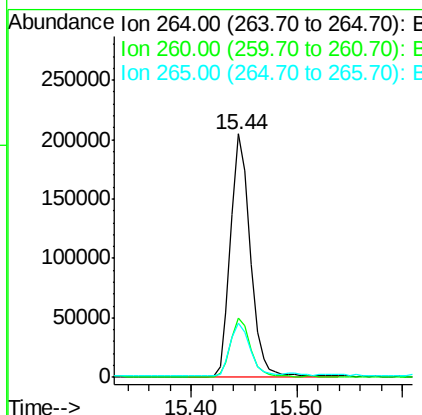
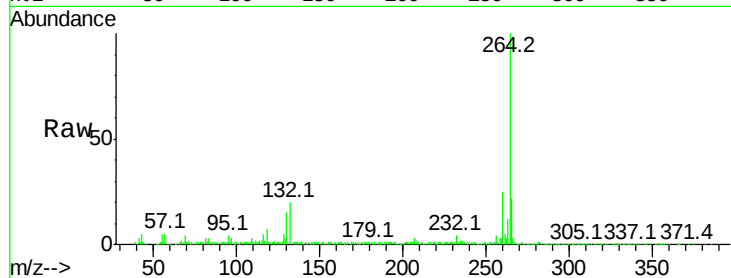
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Instrument :
BNA_F
ClientSampled :
SAMPLE-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.1	17.5	26.3

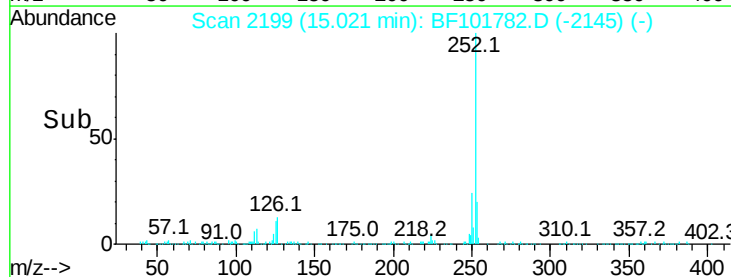
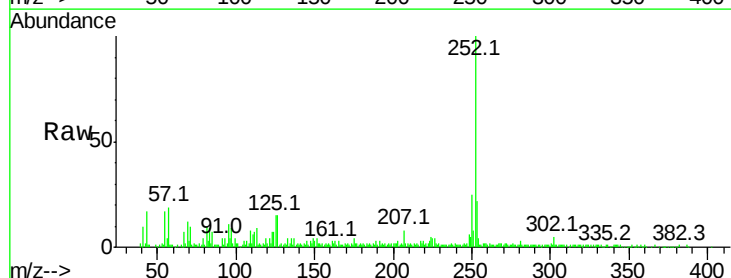
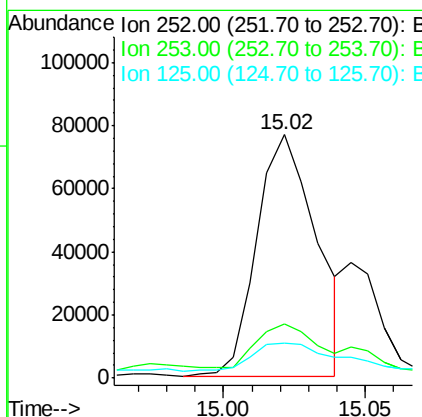
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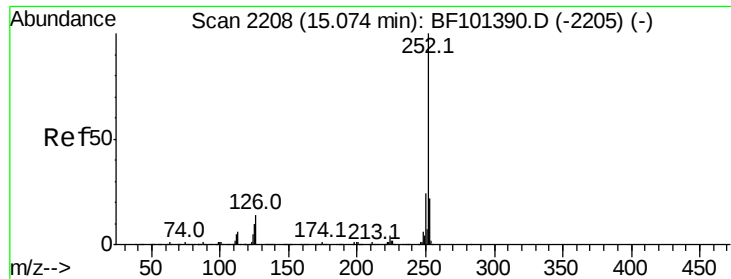
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#87
Benzo(b)fluoranthene
Concen: 6.875 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	14.5	9.0	13.6





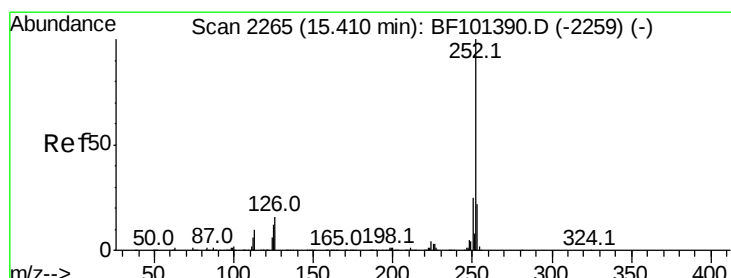
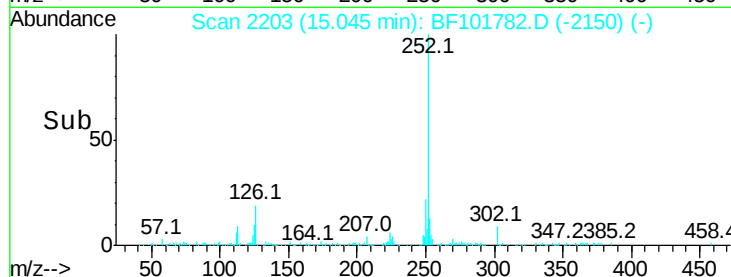
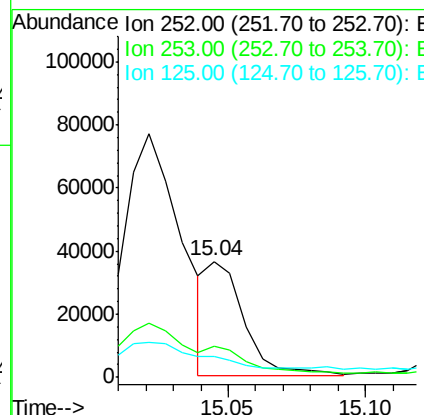
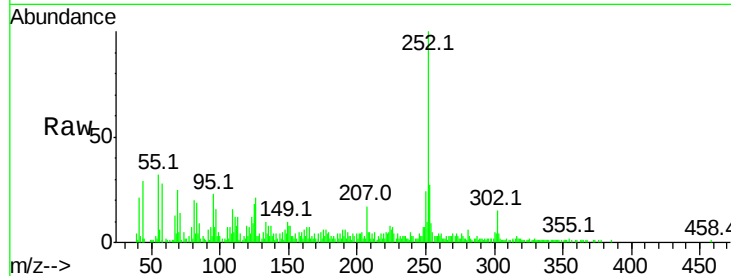
#88
Benzo(k)fluoranthene
Concen: 2.144 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Instrument :
BNA_F
ClientSampled :
SAMPLE-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.9	26.9#
125	18.2	10.2	15.2#

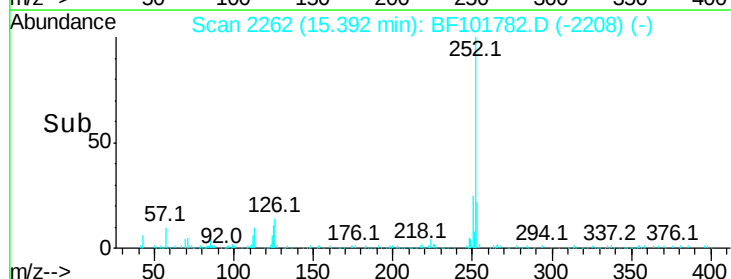
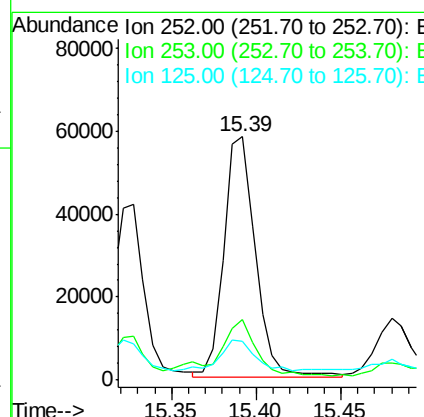
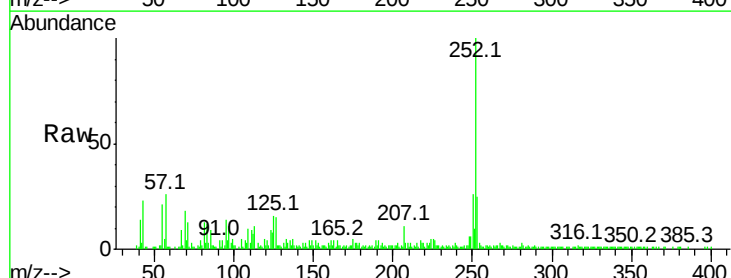
Manual Integrations
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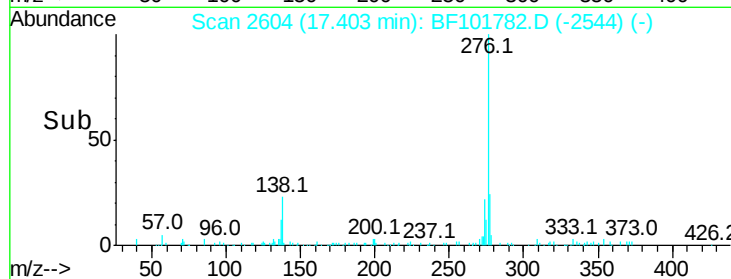
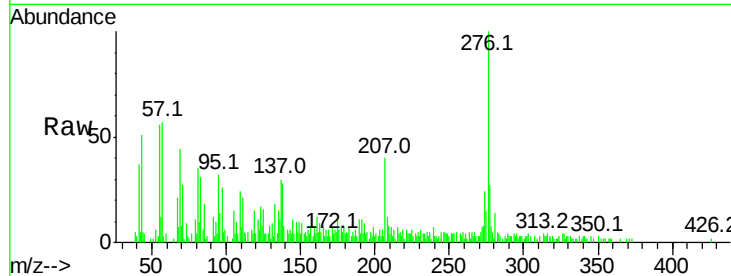
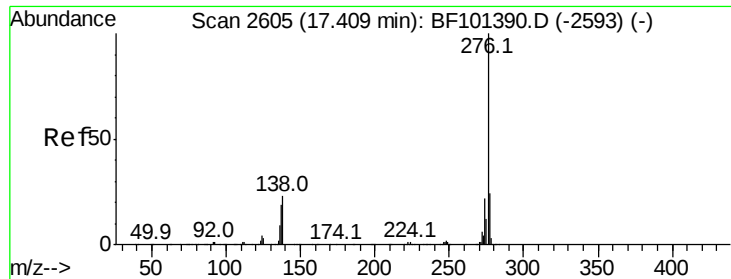
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#89
Benzo(a)pyrene
Concen: 5.047 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.02 min
Lab File: BF101782.D
Acq: 28 Dec 2017 00:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	15.8	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.760 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.05 min

Lab File: BF101782.D

Acq: 28 Dec 2017 00:09

Instrument :

BNA_F

ClientSampleId :

SAMPLE-6

Tot Ion:276 Resp: 34905

Ion Ratio Lower Upper

276 100

277 27.3 17.9 26.9#

138 27.7 21.8 32.8

Manual Integrations

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