

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101780.D
 Acq On : 27 Dec 2017 23:16
 Operator : SJ/JU
 Sample : I7064-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4

Manual Integrations
 APPROVED

Sohil
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Quant Time: Dec 28 05:52:09 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	155331	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	588623	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	233788	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	369054	20.00	ng	0.00
75) Chrysene-d12	13.97	240	296948	20.00	ng	0.00
86) Perylene-d12	15.44	264	264030	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	586056	56.20	ng	0.01
7) Phenol-d6	6.43	99	701836	54.08	ng	0.00
23) Nitrobenzene-d5	7.36	82	414073	39.16	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	116883	51.89	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	696572	46.22	ng	0.00
78) Terphenyl-d14	12.90	244	474332	38.51	ng	0.00
Target Compounds						
10) Phenol	6.46	94	33224	2.246	ng	Qvalue # 66
49) Dimethylphthalate	9.55	163	62454	3.321	ng	99
51) Acenaphthene	9.86	154	33716	2.240	ng	99
57) Fluorene	10.38	166	43462	2.685	ng	98
70) Phenanthrene	11.35	178	475969	23.191	ng	98
71) Anthracene	11.40	178	148237	7.071	ng	98
74) Fluoranthene	12.54	202	599473	27.827	ng	99
77) Pyrene	12.77	202	516316	23.168	ng	99
80) Benzo(a)anthracene	13.96	228	298687	15.233	ng	98
82) Chrysene	14.00	228	258357	13.955	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	98783	5.992	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	268562m	16.688	ng	
88) Benzo(k)fluoranthene	15.04	252	113165m	7.232	ng	
89) Benzo(a)pyrene	15.39	252	189335	12.762	ng	93
91) Benzo(a,h,i)perylene	17.39	276	90966	7.212	ng	94

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

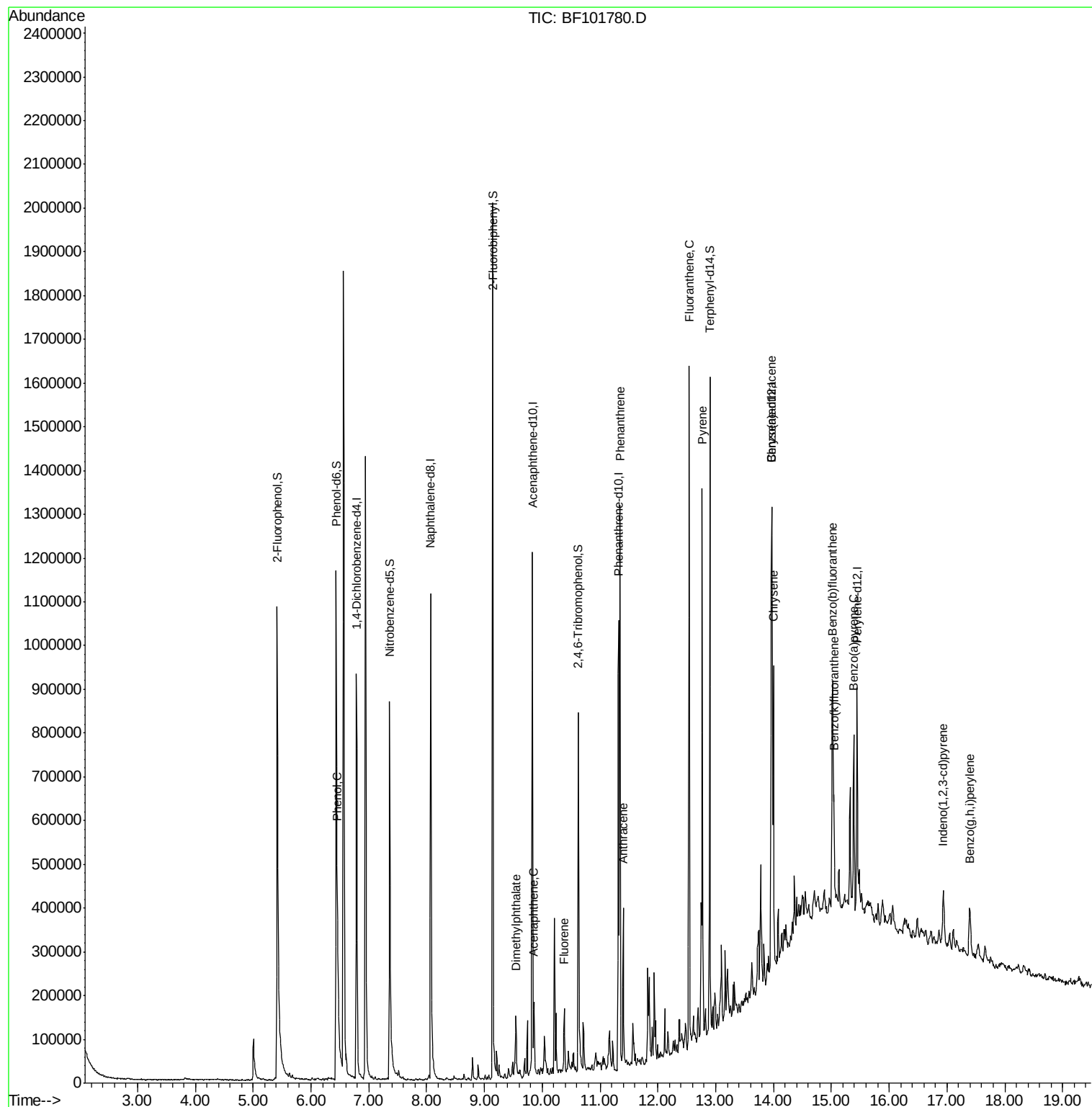
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
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ALS Vial : 21 Sample Multiplier: 1

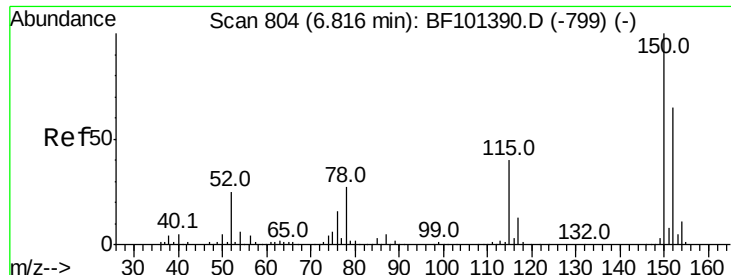
Instrument :
BNA_F
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SAMPLE-4

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#1

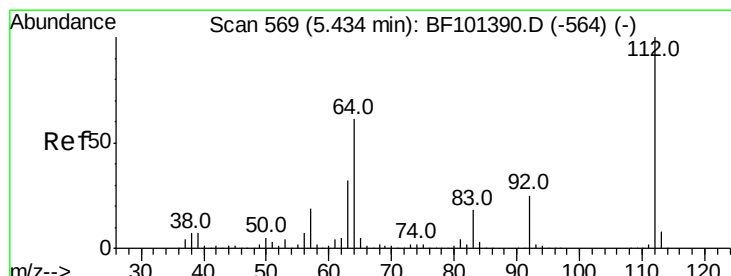
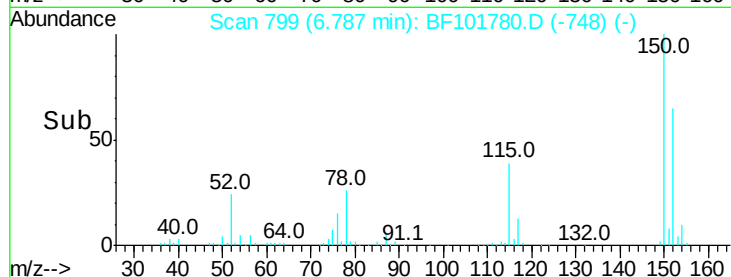
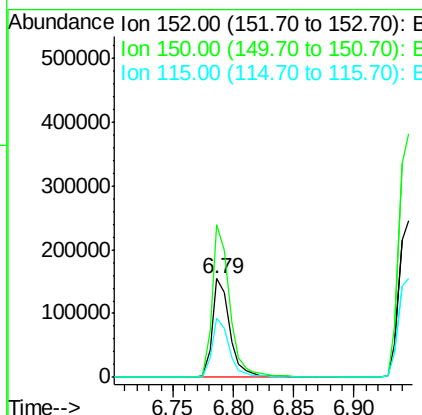
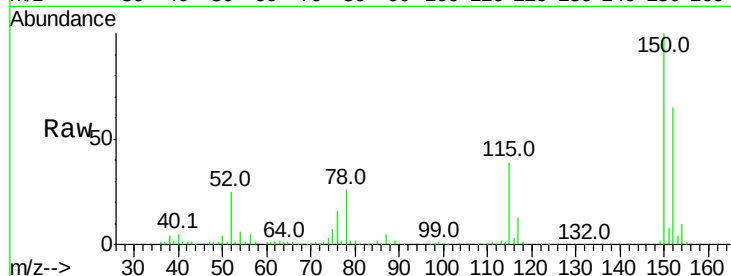
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampled :
SAMPLE-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	60.2	50.1	75.1

Manual Integrations
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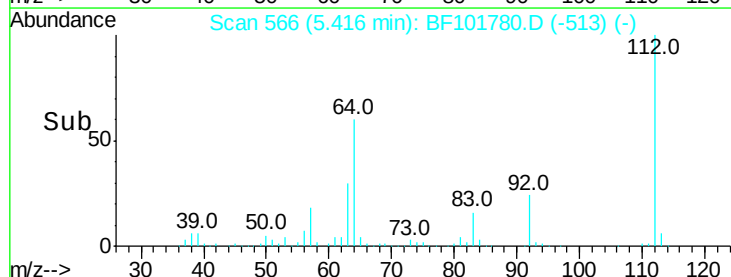
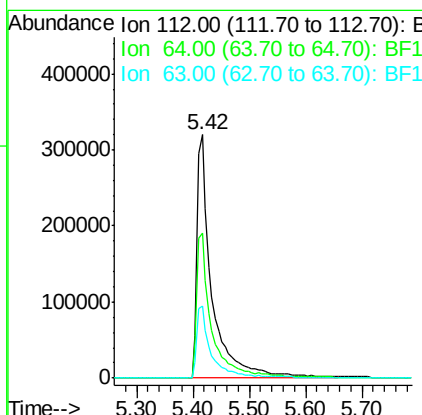
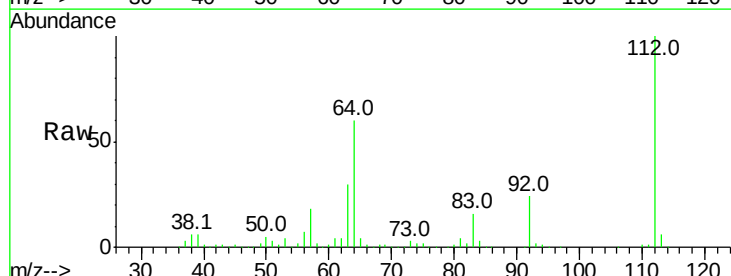
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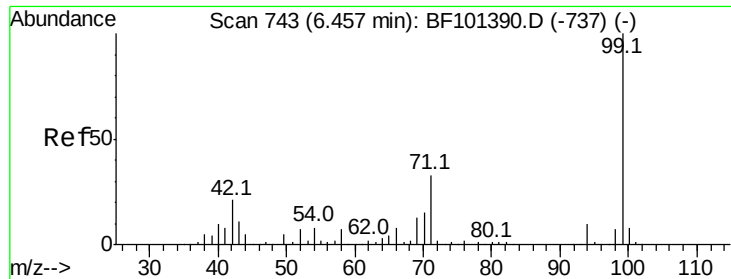


#5

2-Fluorophenol
Concen: 56.201 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 54.080 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

Instrument :

BNA_F

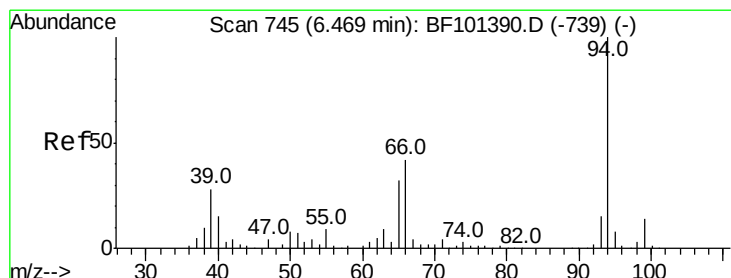
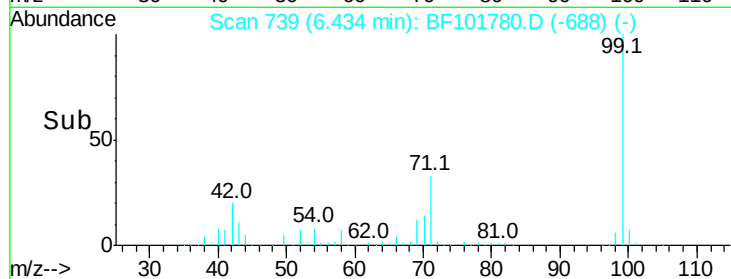
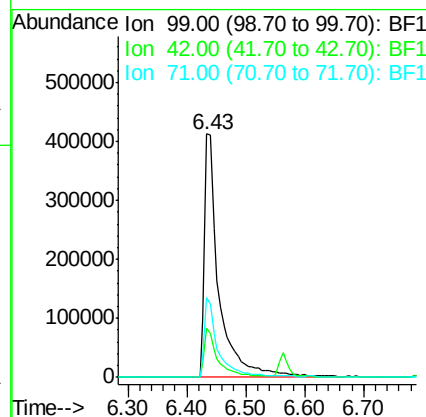
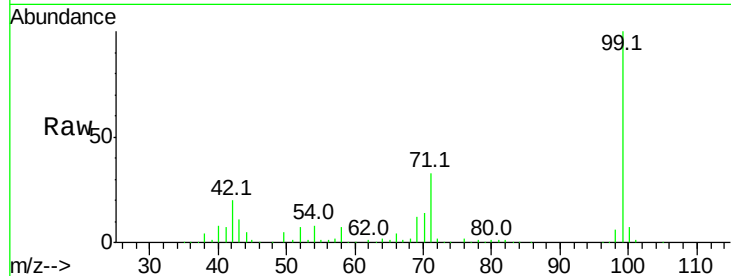
ClientSampled :

SAMPLE-4

Tot Ion:	99	Resp:	701836
Ion Ratio	Lower	Upper	
99	100		
42	20.4	14.5	21.7
71	32.6	25.4	38.0

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#10

Phenol

Concen: 2.246 ng

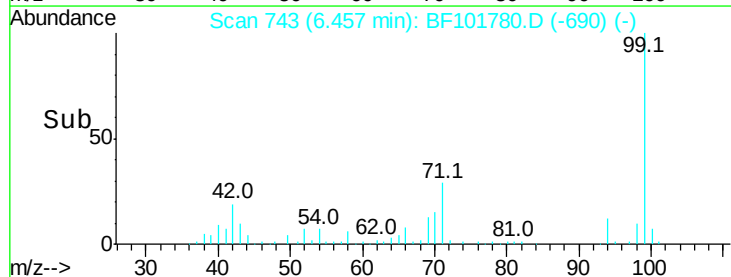
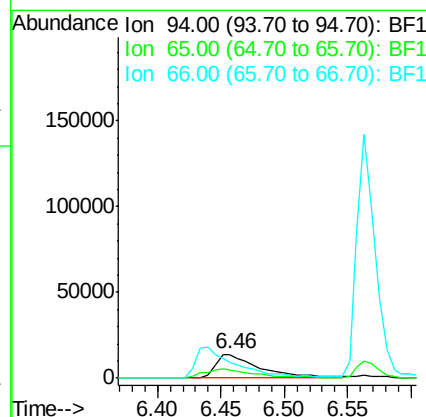
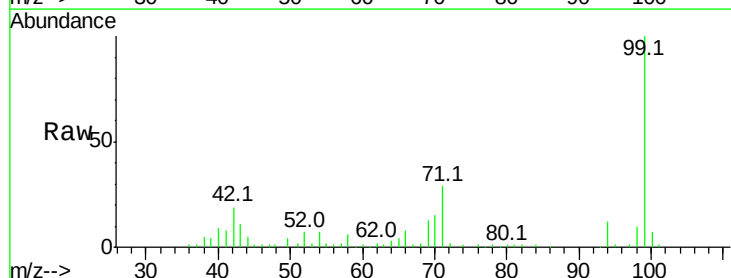
RT: 6.46 min Scan# 743

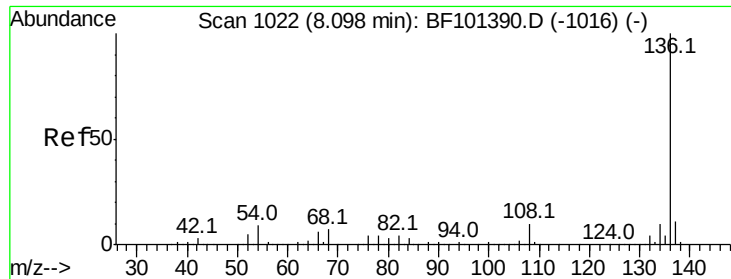
Delta R.T. 0.01 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

Tgt Ion:	94	Resp:	33224
Ion Ratio	Lower	Upper	
94	100		
65	34.5	7.9	47.9
66	65.7	16.2	56.2#





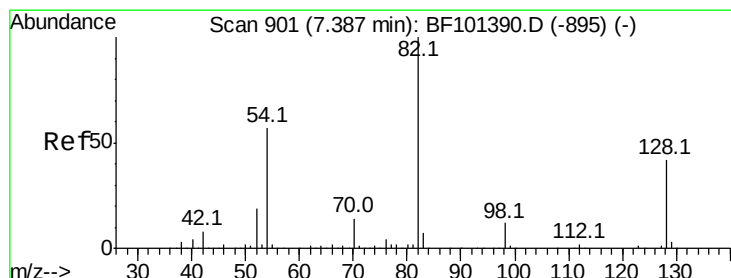
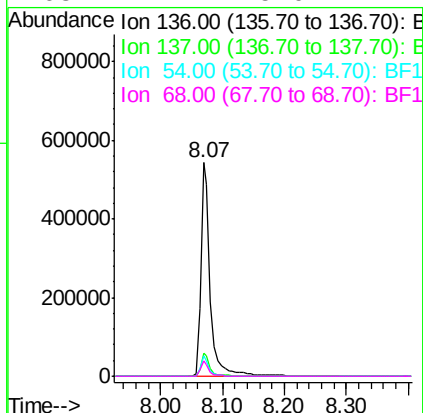
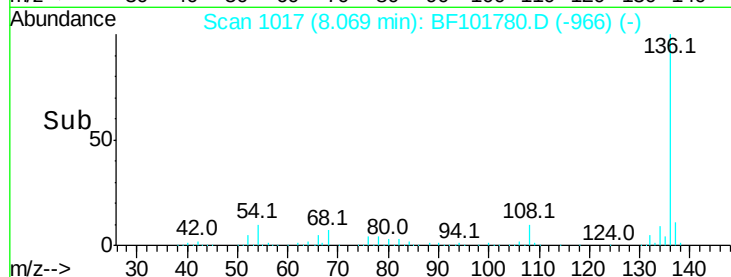
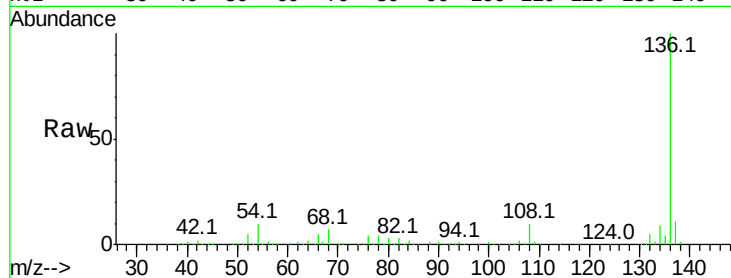
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampled :
SAMPLE-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	9.6	6.6	9.8	
68	7.2	5.0	7.4	

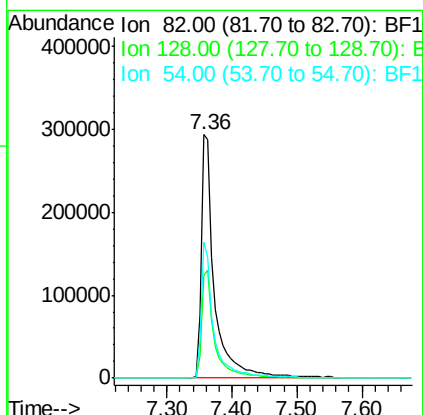
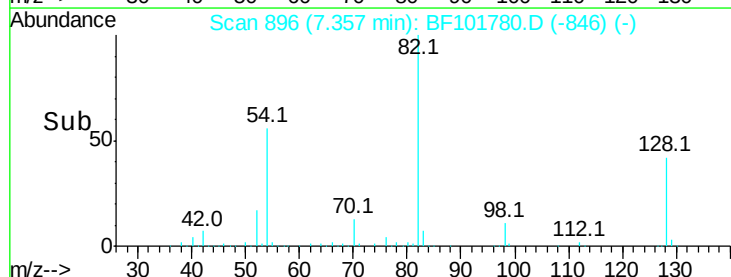
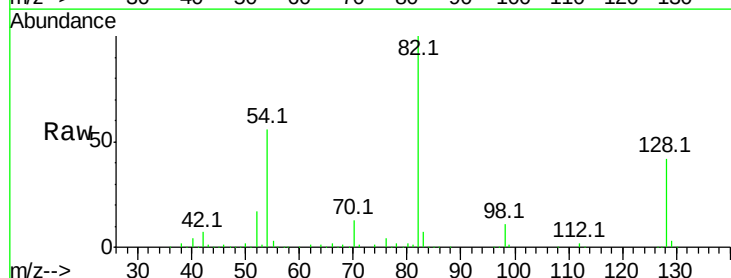
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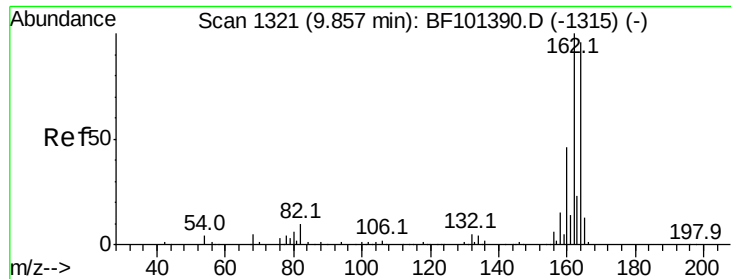
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#23
Nitrobenzene-d5
Concen: 39.159 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.4	36.1	54.1	
54	56.0	41.4	62.2	





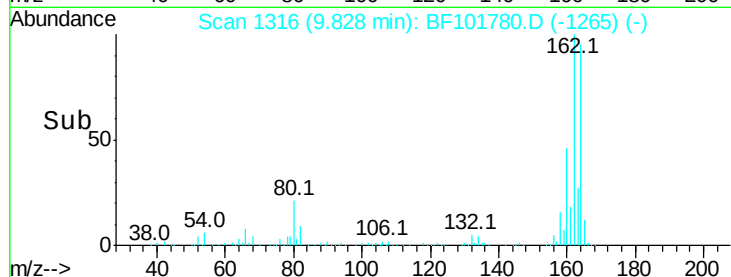
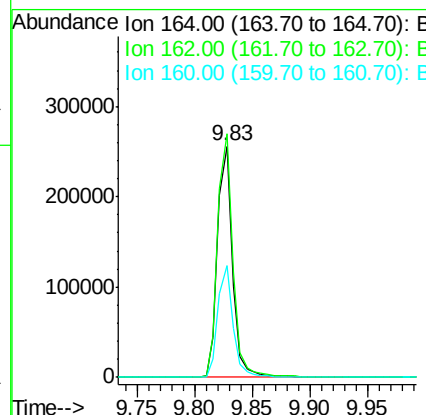
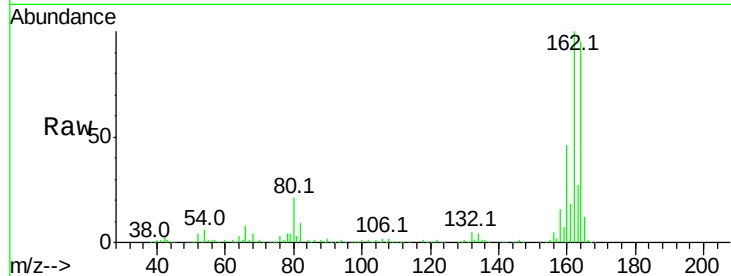
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Instrument :
 BNA_F
 ClientSampled :
 SAMPLE-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	233788		
162	105.2	86.1	129.1	
160	48.5	38.3	57.5	

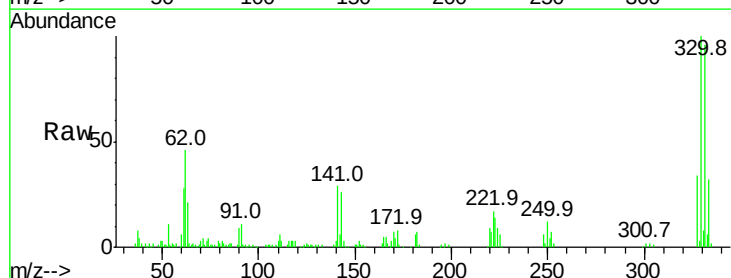
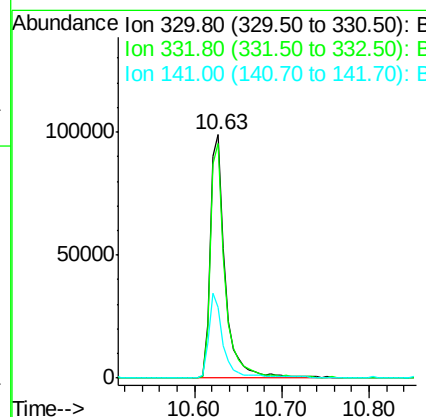
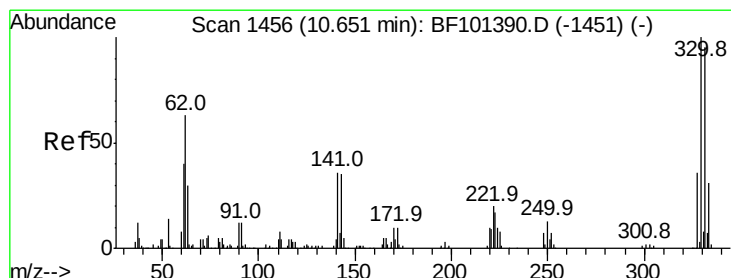
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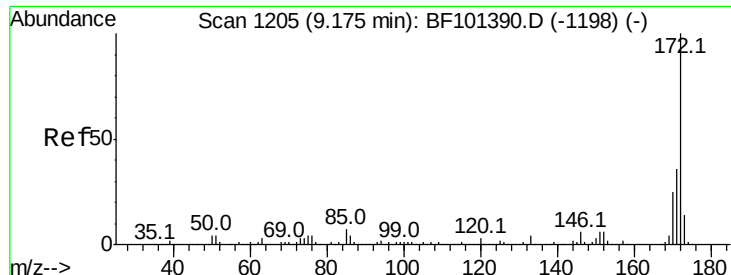
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#41
 2,4,6-Tribromophenol
 Concen: 51.885 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	116883		
332	95.6	77.0	115.6	
141	33.6	29.9	44.9	





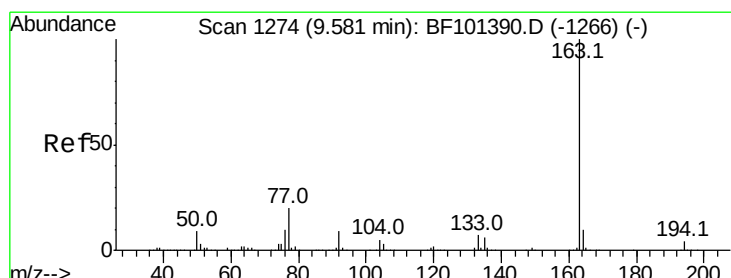
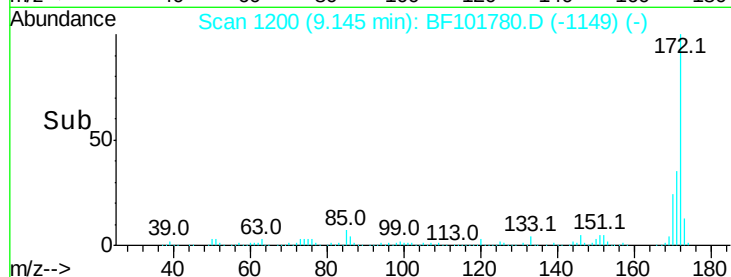
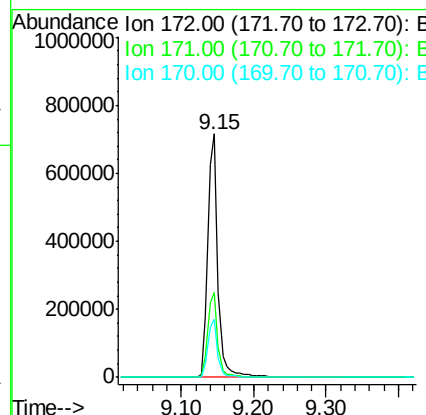
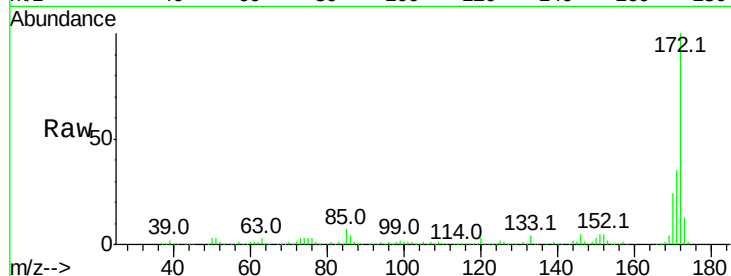
#44
2-Fluorobiphenyl
Concen: 46.219 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampleId :
SAMPLE-4

Tot Ion	Ratio	Resp	Lower	Upper
172	100	696572		
171	35.0		29.7	44.5
170	23.7		19.6	29.4

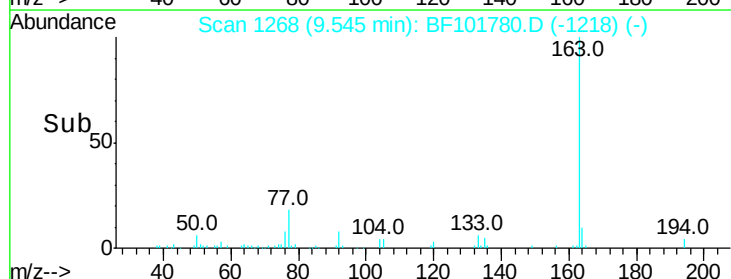
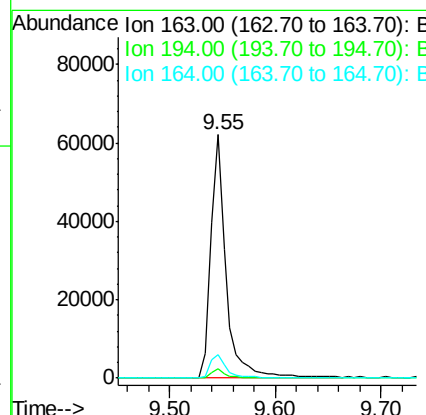
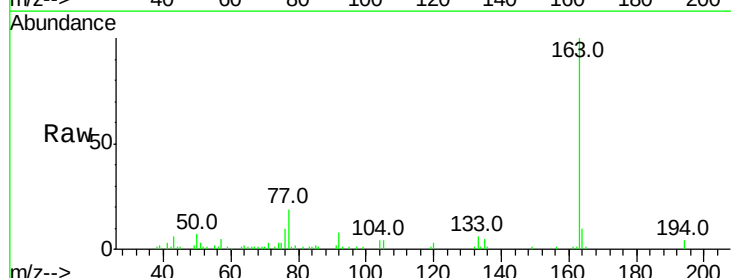
Manual Integrations
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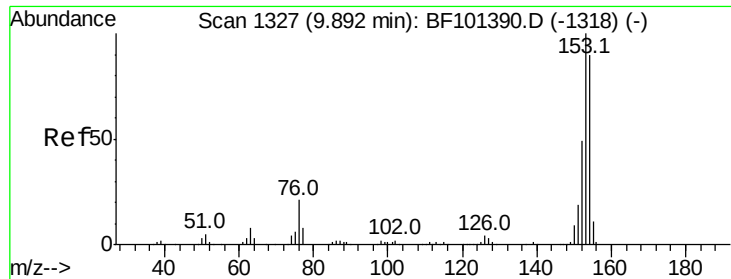
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#49
Dimethylphthalate
Concen: 3.321 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	62454		
194	3.7		2.7	4.1
164	9.8		8.2	12.2





#51

Acenaphthene

Concen: 2.240 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

Instrument :

BNA_F

ClientSampled :

SAMPLE-4

Tot Ion:154 Resp: 33716

Ion Ratio Lower Upper

154 100

153 113.8 91.2 136.8

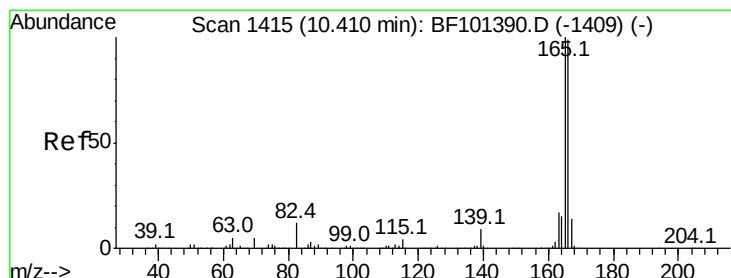
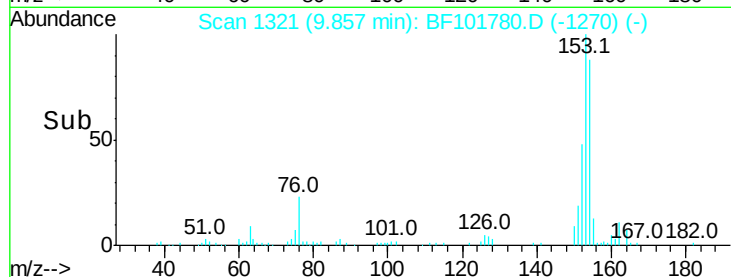
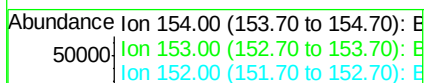
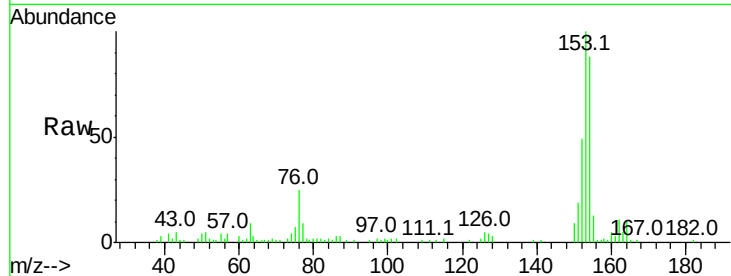
152 55.8 43.8 65.8

Manual Integrations

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#57

Fluorene

Concen: 2.685 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.01 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

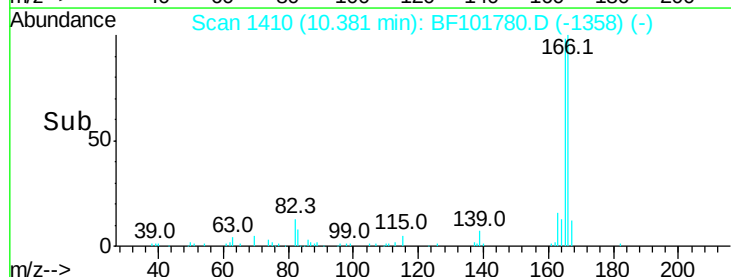
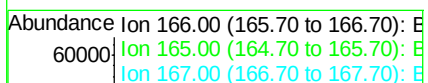
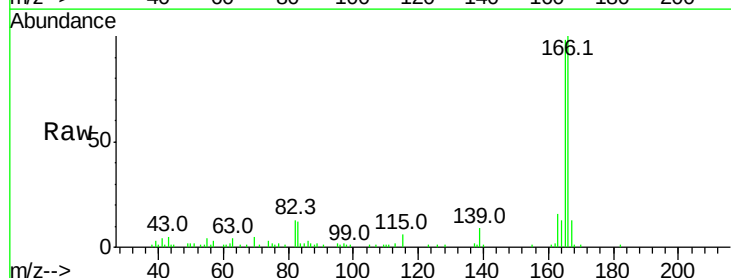
Tgt Ion:166 Resp: 43462

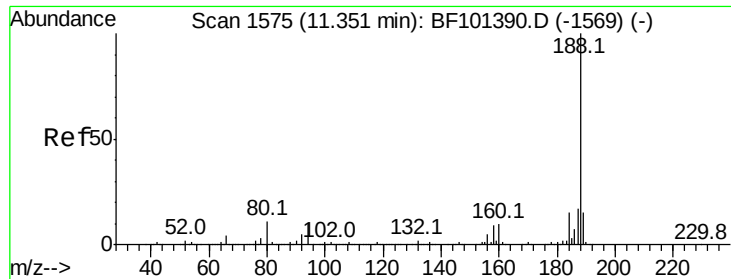
Ion Ratio Lower Upper

166 100

165 97.6 79.8 119.8

167 13.2 10.6 16.0





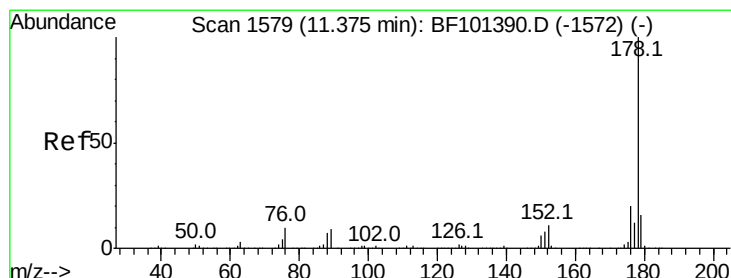
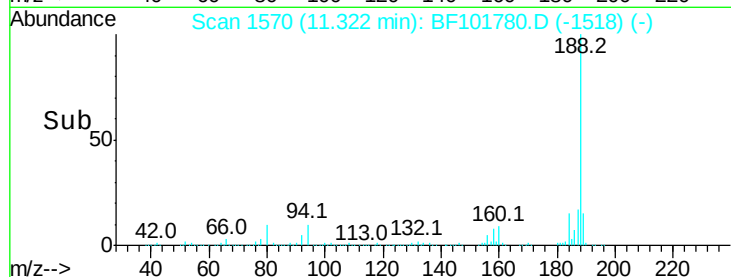
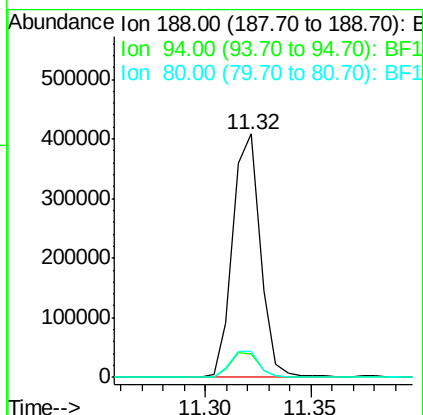
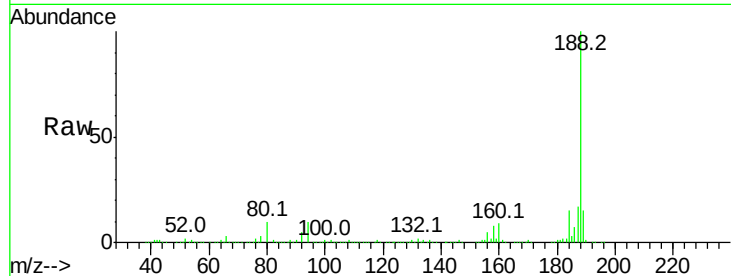
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampled :
SAMPLE-4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.4	9.2	13.8

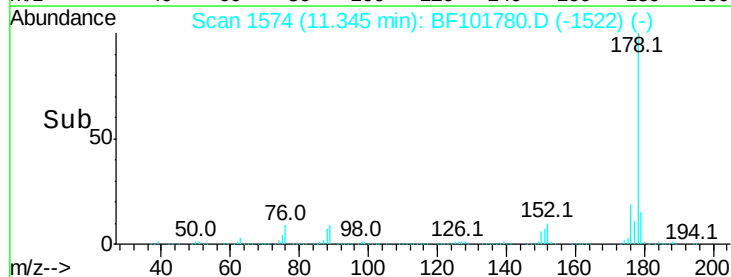
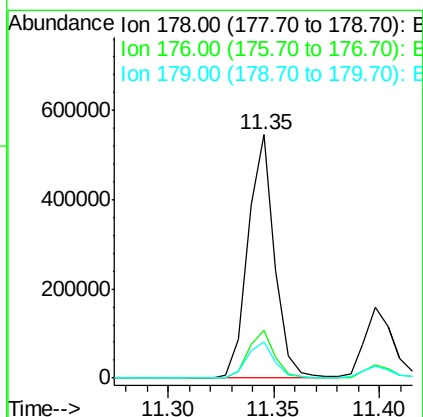
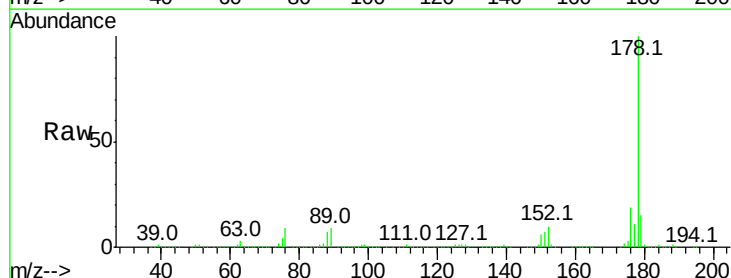
Manual Integrations
APPROVED

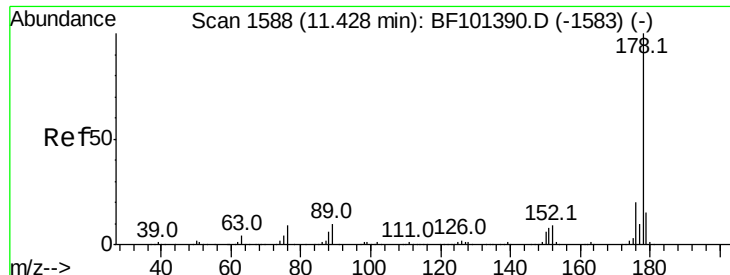
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#70
Phenanthrene
Concen: 23.191 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.7	13.0	19.6





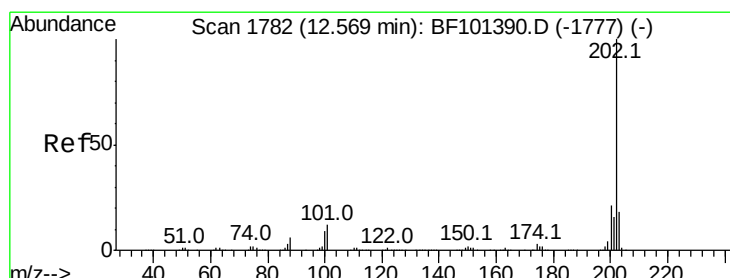
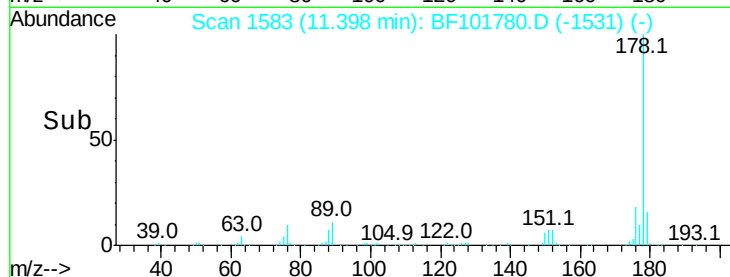
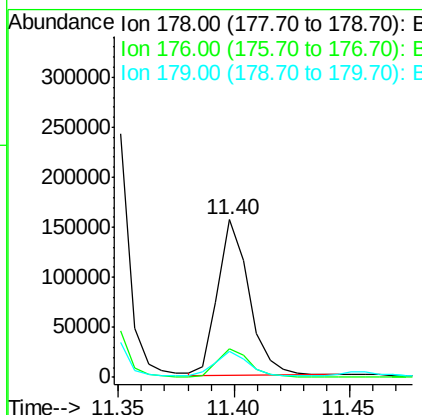
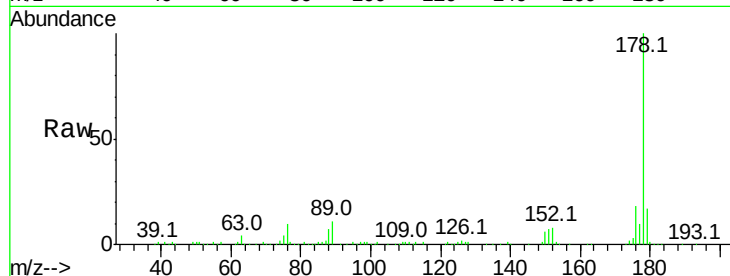
#71
 Anthracene
 Concen: 7.071 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.5	12.6	19.0

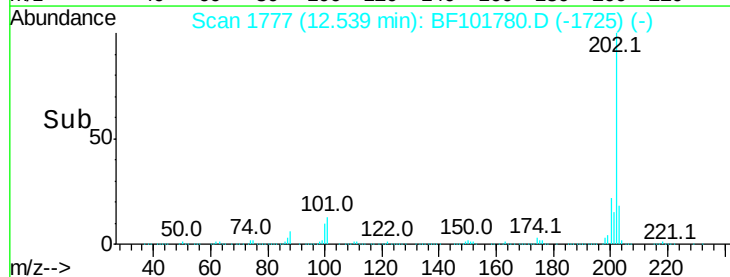
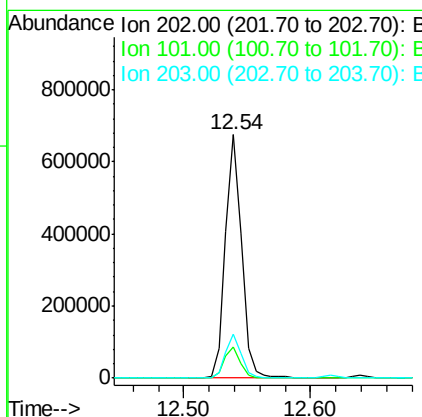
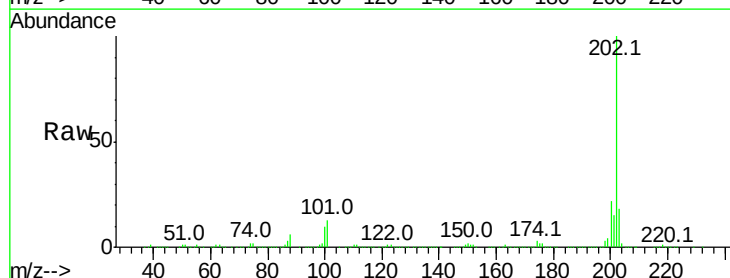
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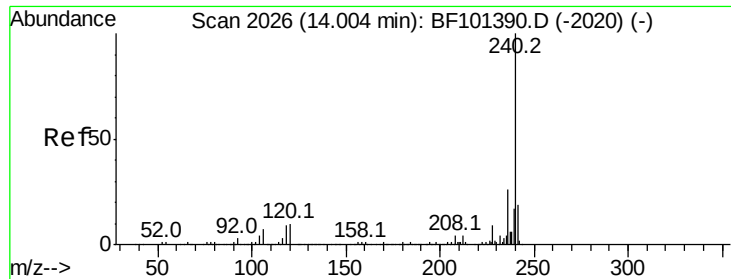
Sohil
 12/28/2017 2:03:08 PM



#74
 Fluoranthene
 Concen: 27.827 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	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: BF101780.D

Acq: 27 Dec 2017 23:16

Instrument :

BNA_F

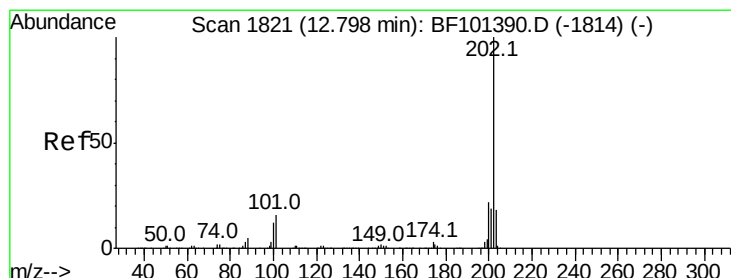
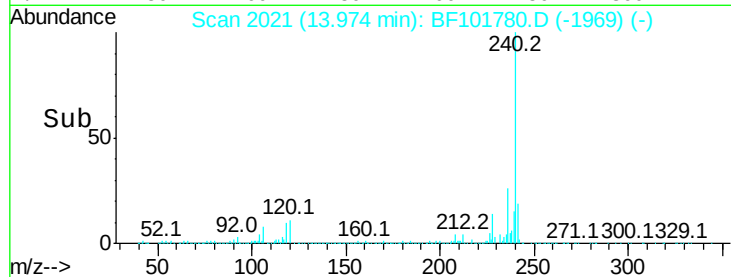
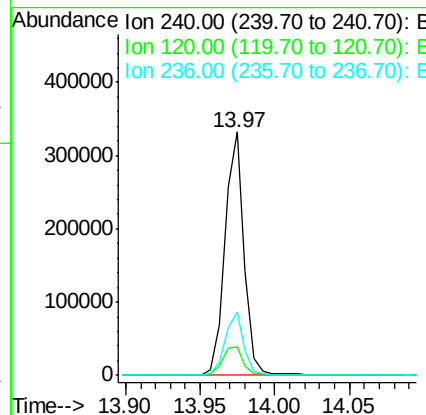
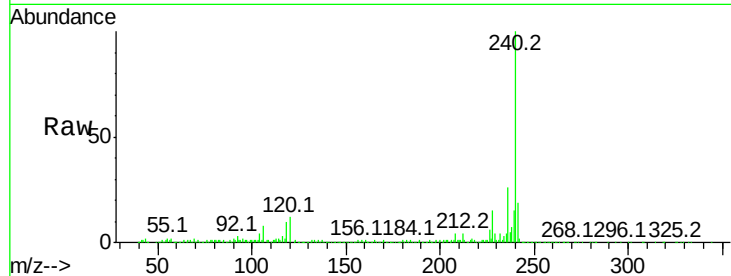
ClientSampled :

SAMPLE-4

Tot Ion:	240	Resp:	296948
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.5	14.3
236	25.8	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 23.168 ng

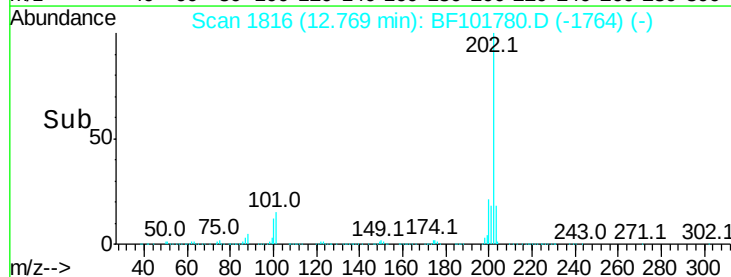
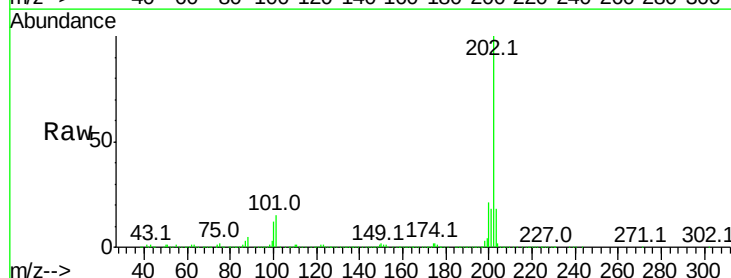
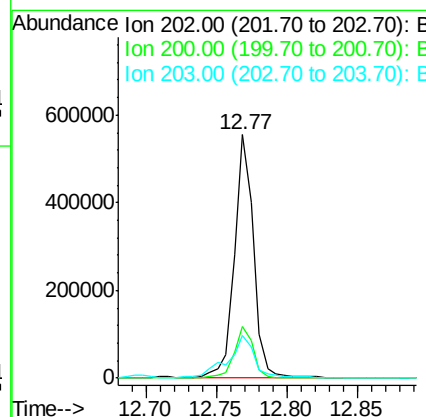
RT: 12.77 min Scan# 1816

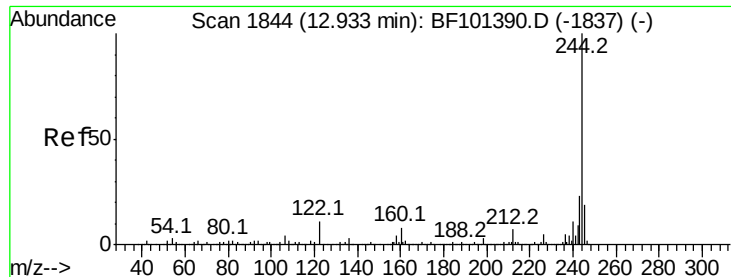
Delta R.T. 0.01 min

Lab File: BF101780.D

Acq: 27 Dec 2017 23:16

Tgt Ion:	202	Resp:	516316
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.8	14.3	21.5





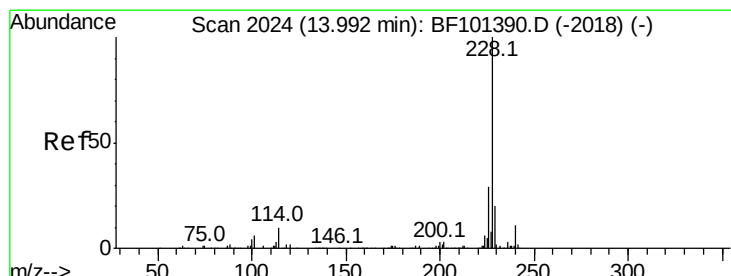
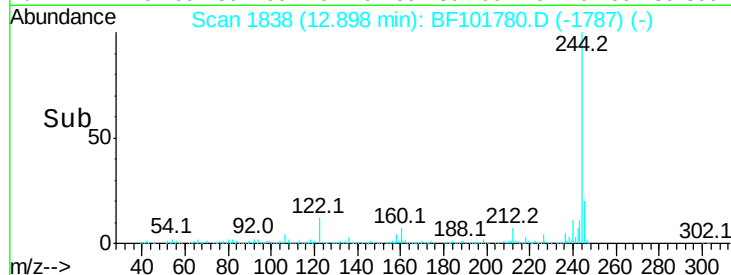
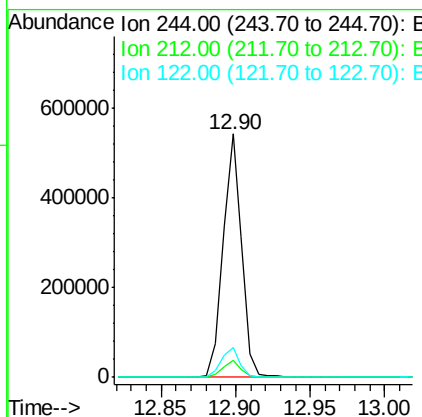
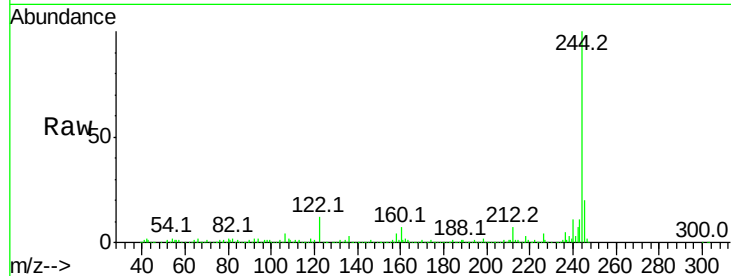
#78
 Terphenyl-d14
 Concen: 38.509 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Instrument :
 BNA_F
 ClientSampled :
 SAMPLE-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.2	11.0	16.4

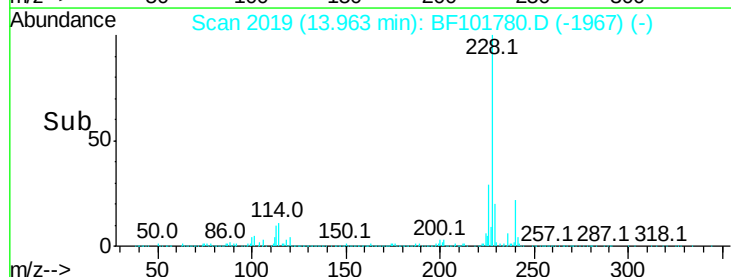
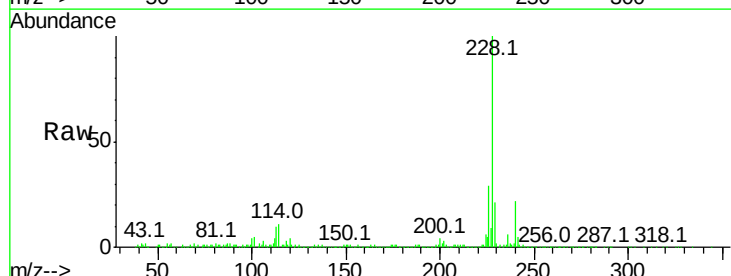
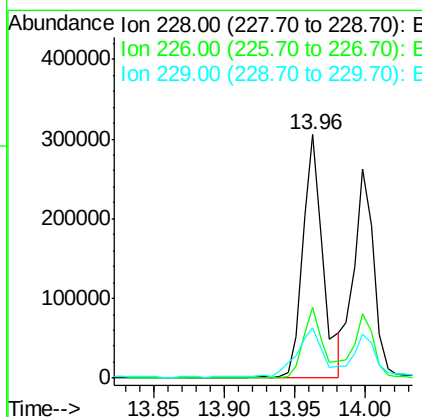
Manual Integrations
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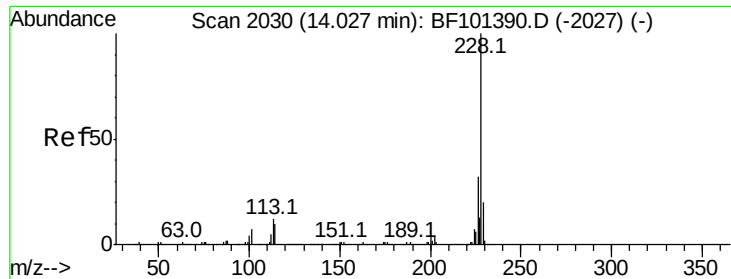
Sohil
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#80
 Benzo(a)anthracene
 Concen: 15.233 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF101780.D
 Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	20.6	15.8	23.6





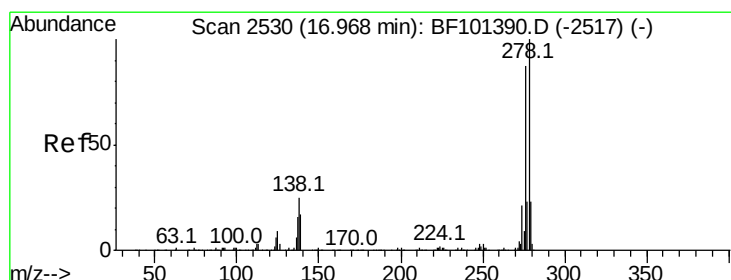
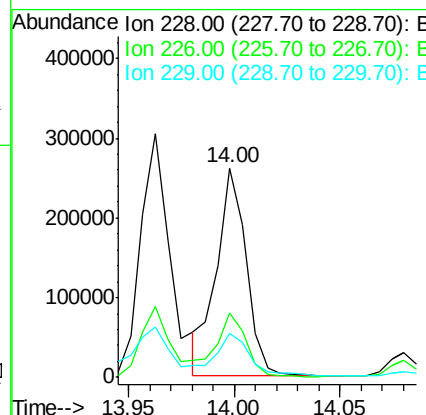
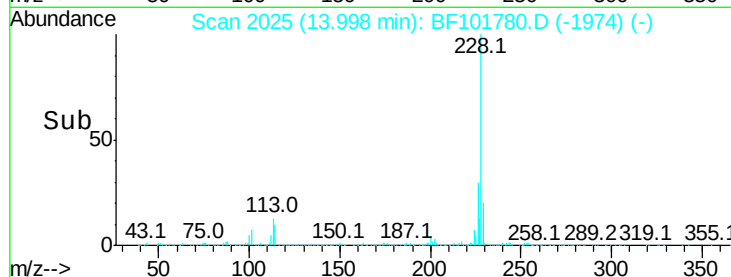
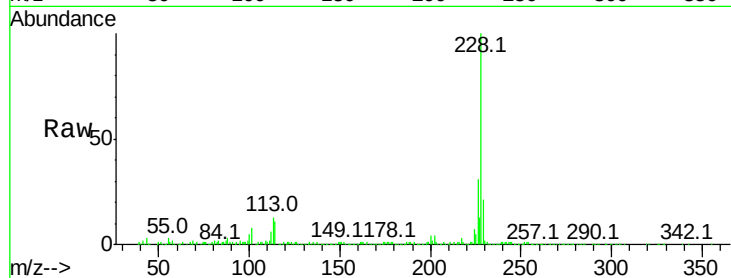
#82
Chrysene
Concen: 13.955 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampled :
SAMPLE-4

Tot Ion:	228	Resp:	258357
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	21.0	16.2	24.4

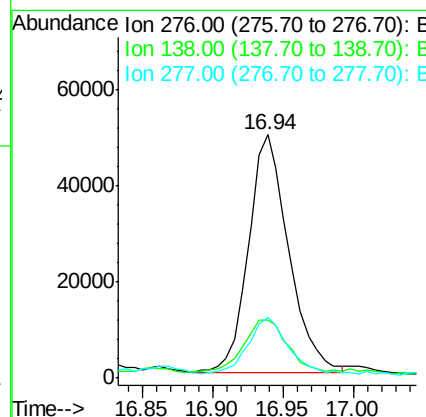
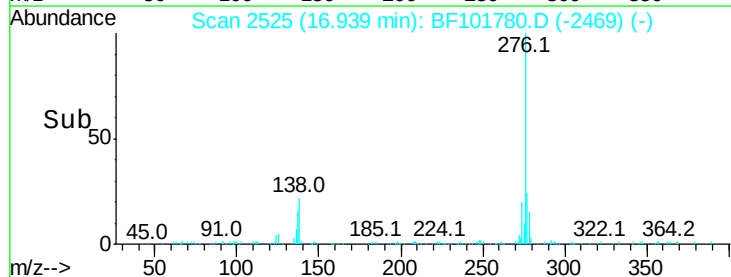
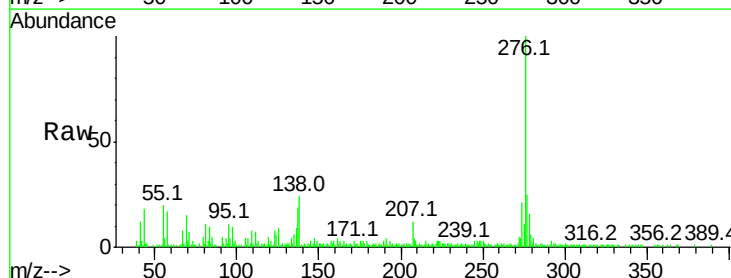
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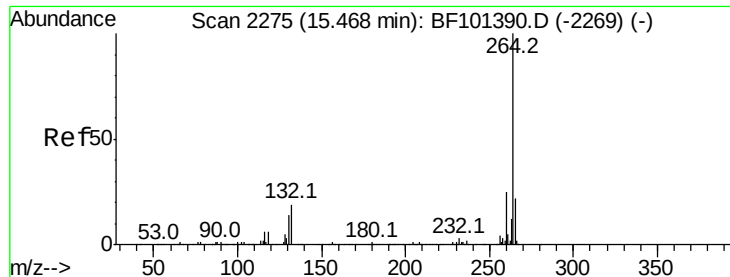
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.992 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.03 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion:	276	Resp:	98783
Ion Ratio	Lower	Upper	
276	100		
138	24.3	25.0	37.6#
277	23.4	20.1	30.1





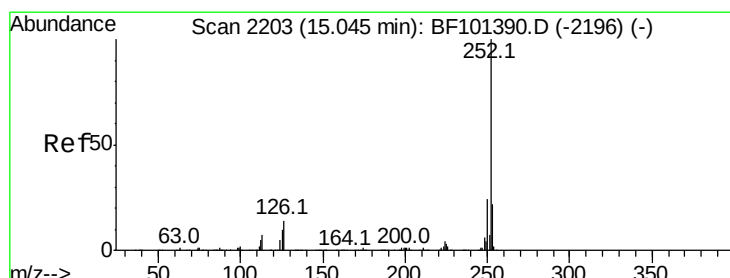
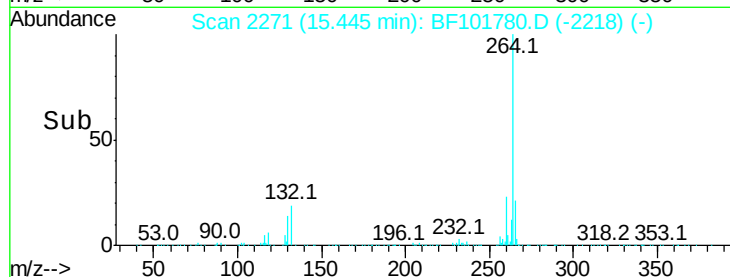
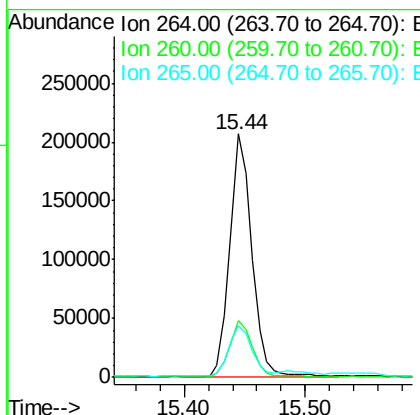
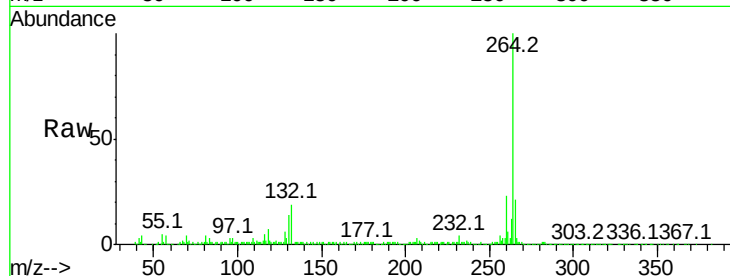
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampled :
SAMPLE-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.2	17.5	26.3

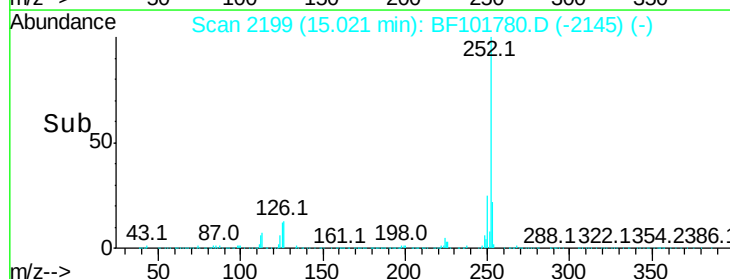
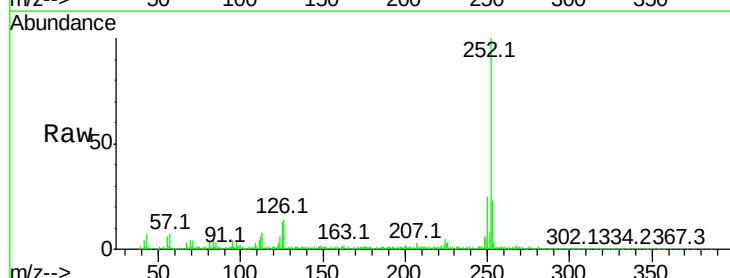
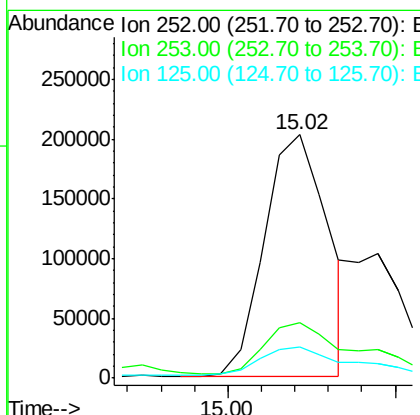
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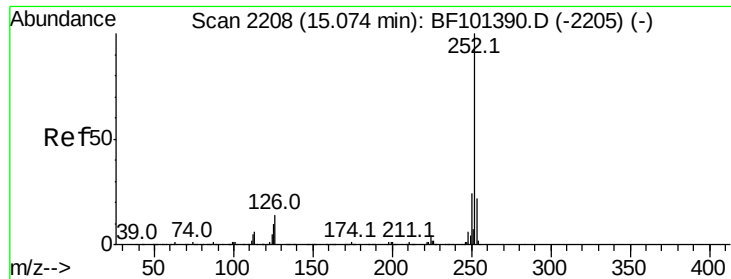
Sohil
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#87
Benzo(b)fluoranthene
Concen: 16.688 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	12.9	9.0	13.6





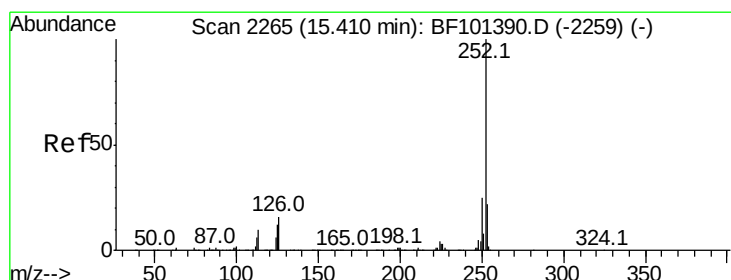
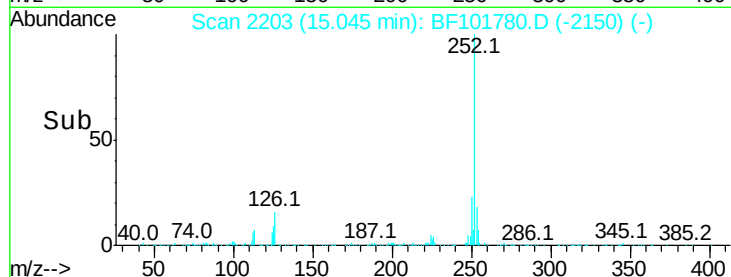
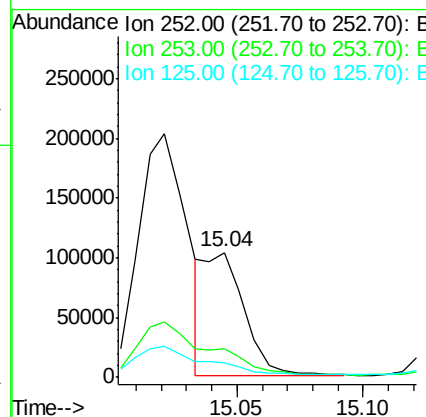
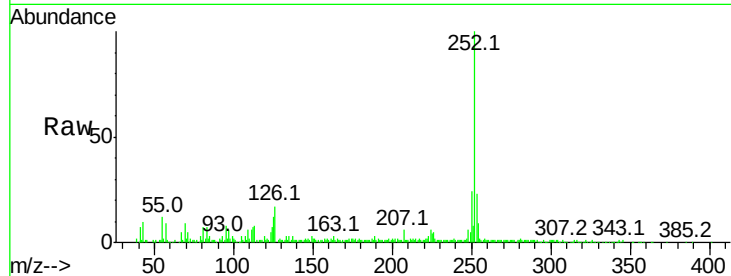
#88
Benzo(k)fluoranthene
Concen: 7.232 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampled :
SAMPLE-4

Tot Ion	Ratio	Resp	Lower	Upper
252	100	113165		
253	23.0		17.9	26.9
125	11.6		10.2	15.2

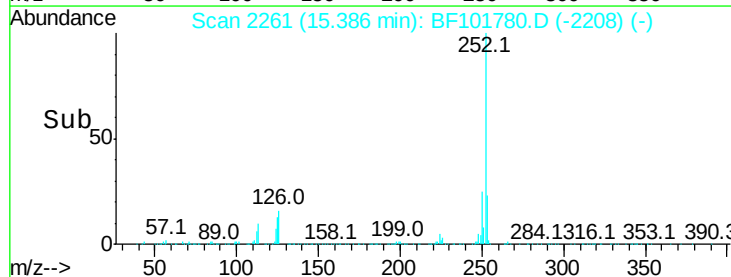
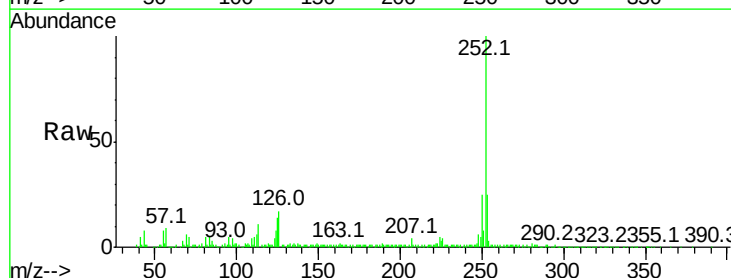
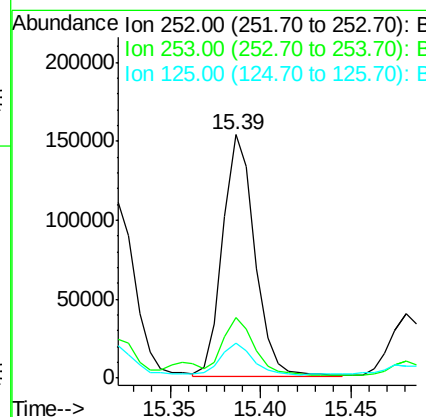
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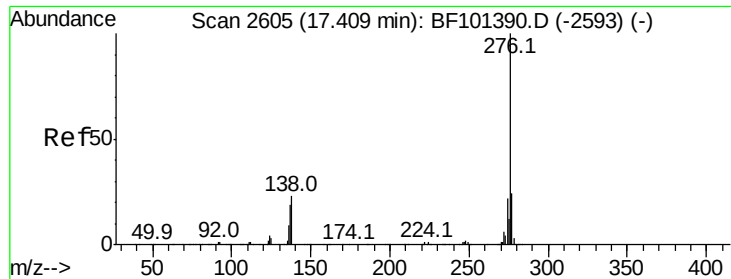
Sohil
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#89
Benzo(a)pyrene
Concen: 12.762 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	189335		
253	24.8		17.1	25.7
125	14.4		9.8	14.6





#91
Benzo(a,h,i)perylene
Concen: 7.212 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.04 min
Lab File: BF101780.D
Acq: 27 Dec 2017 23:16

Instrument :
BNA_F
ClientSampleId :
SAMPLE-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	29.4	21.8	32.8

Manual Integrations
APPROVED

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