

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101787.D
 Acq On : 28 Dec 2017 3:37
 Operator : SJ/JU
 Sample : I7069-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

Manual Integrations
 APPROVED

Sohil
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Quant Time: Dec 28 06:43:28 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	167357	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	643008	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	253447	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	388021	20.00	ng	0.00
75) Chrysene-d12	13.97	240	311388	20.00	ng	0.00
86) Perylene-d12	15.45	264	282135	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1111827	98.96	ng	0.01
7) Phenol-d6	6.44	99	1329227	95.06	ng	0.00
23) Nitrobenzene-d5	7.36	82	827785	71.66	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	230034	94.19	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1153455	70.60	ng	0.00
78) Terphenyl-d14	12.90	244	743036	57.53	ng	0.00
Target Compounds						
10) Phenol	6.45	94	50197	3.150	ng	Qvalue # 69
49) Dimethylphthalate	9.55	163	139661	6.851	ng	98
70) Phenanthrene	11.34	178	393035	18.214	ng	99
71) Anthracene	11.40	178	105122	4.769	ng	98
74) Fluoranthene	12.54	202	589571	26.030	ng	97
77) Pyrene	12.77	202	549448	23.511	ng	100
80) Benzo(a)anthracene	13.97	228	311760	15.162	ng	97
82) Chrysene	14.00	228	301971	15.554	ng	98
85) Indeno(1,2,3-cd)pyrene	16.95	276	113335	6.556	ng	# 88
87) Benzo(b)fluoranthene	15.02	252	298454m	17.355	ng	
88) Benzo(k)fluoranthene	15.05	252	110620m	6.616	ng	
89) Benzo(a)pyrene	15.39	252	219746	13.862	ng	96
91) Benzo(a,h,i)perylene	17.40	276	96457	7.157	ng	# 92

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

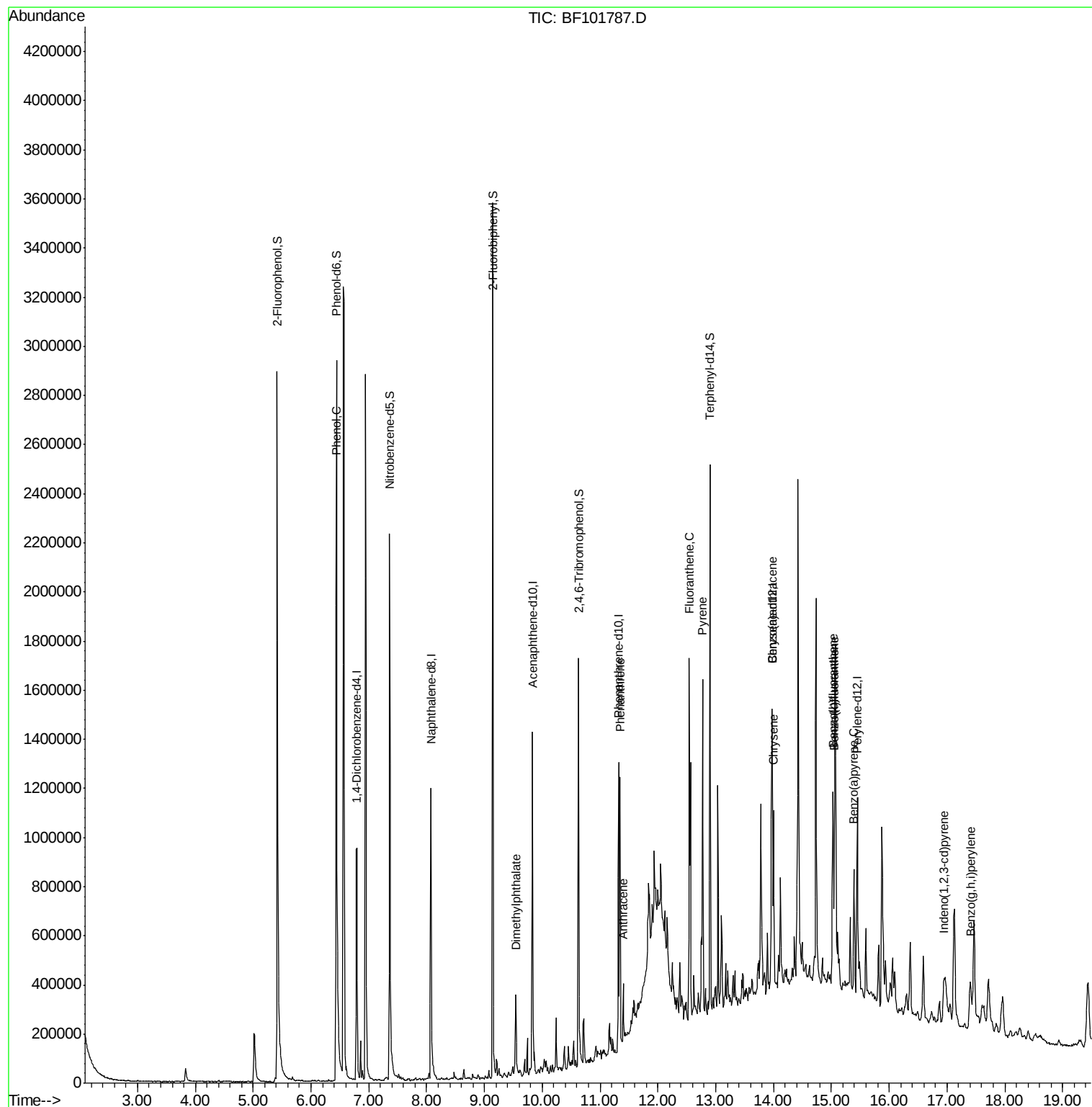
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
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ALS Vial : 26 Sample Multiplier: 1

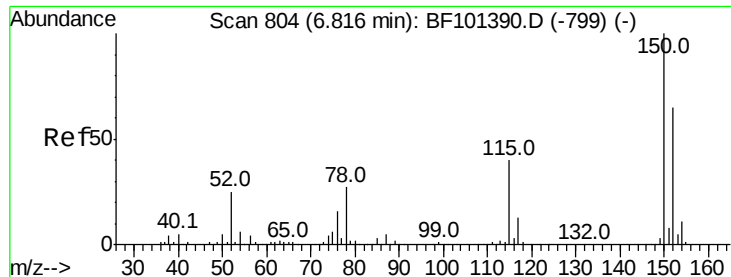
Instrument :
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#1

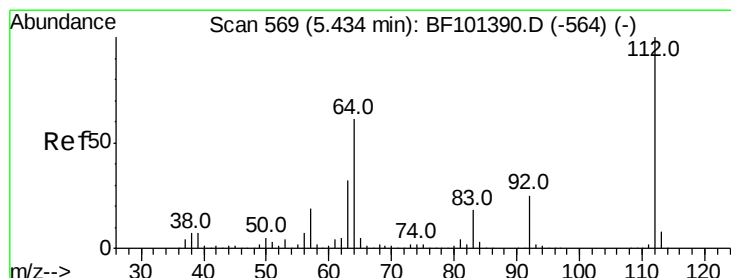
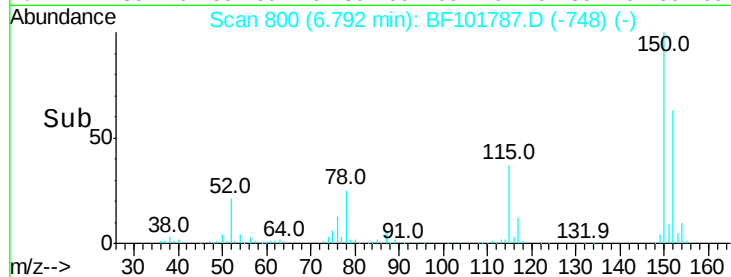
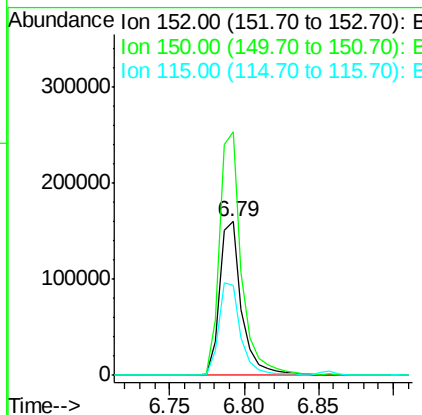
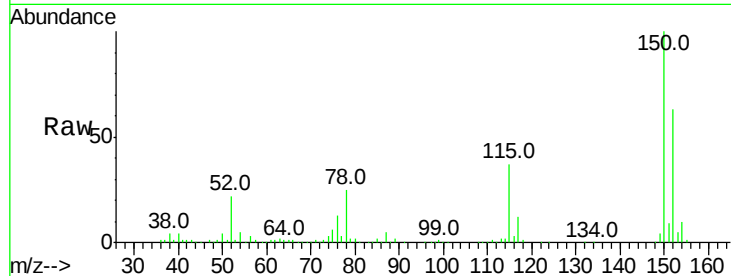
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	58.9	50.1	75.1

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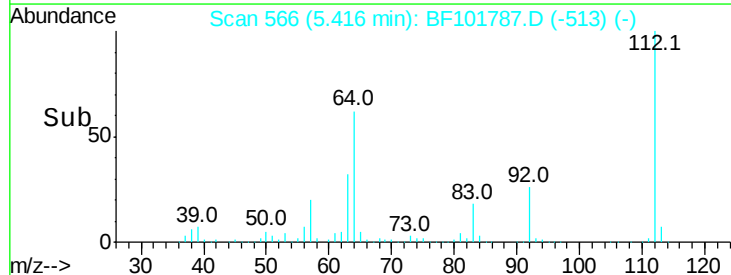
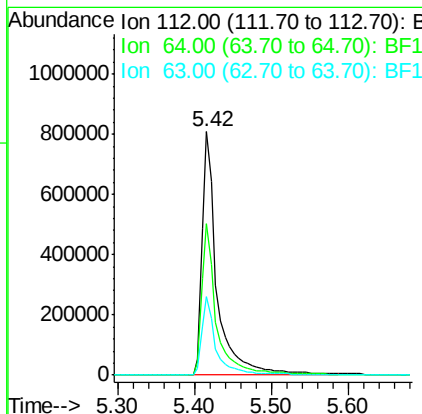
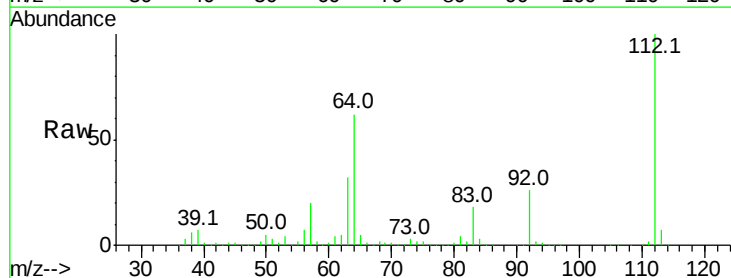
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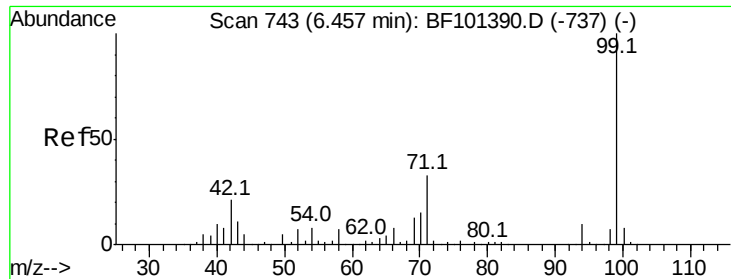


#5

2-Fluorophenol
Concen: 98.959 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.9	71.9
63	32.2	23.7	35.5





#7

Phenol-d6

Concen: 95.063 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

Tot Ion: 99 Resp: 1329227

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

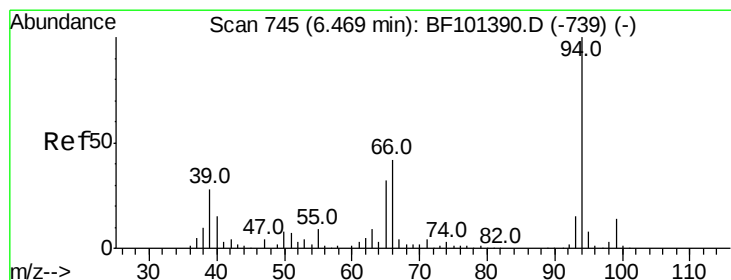
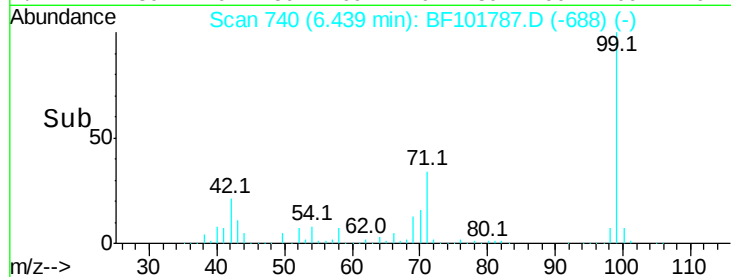
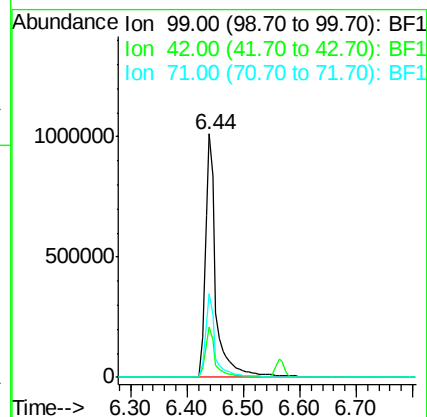
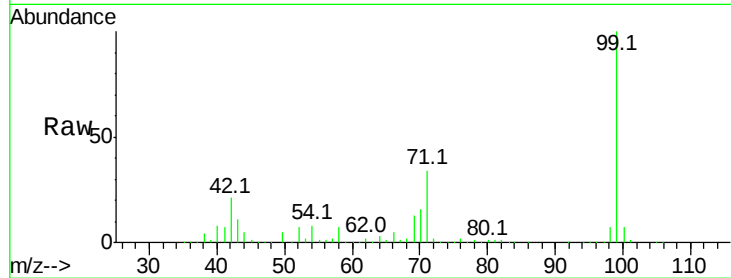
71 34.1 25.4 38.0

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#10

Phenol

Concen: 3.150 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

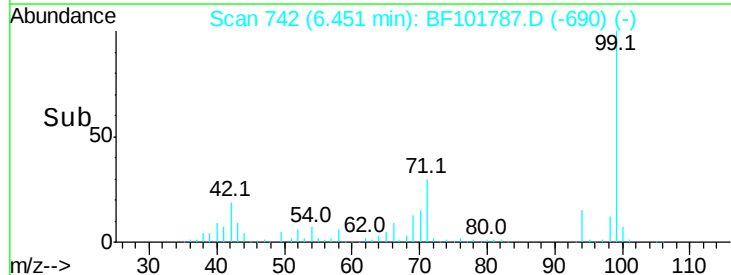
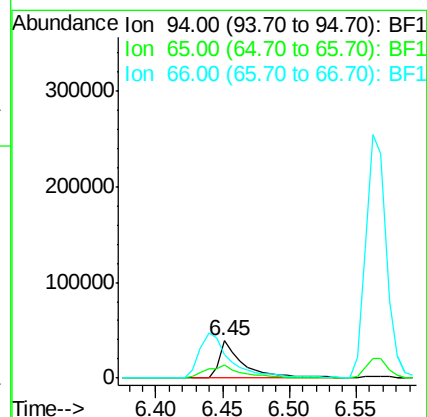
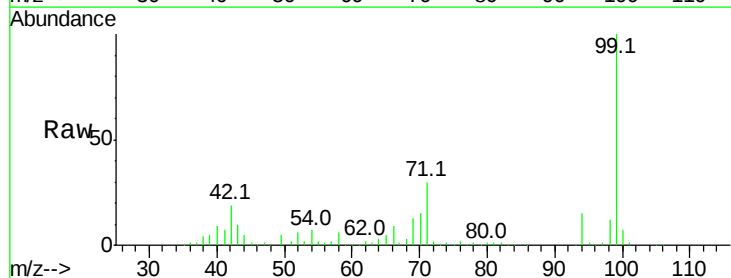
Tgt Ion: 94 Resp: 50197

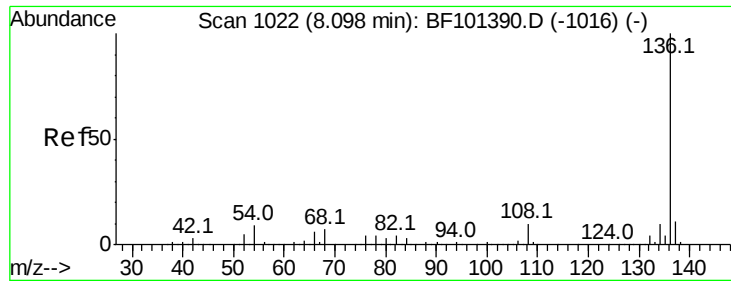
Ion Ratio Lower Upper

94 100

65 34.5 7.9 47.9

66 62.9 16.2 56.2#





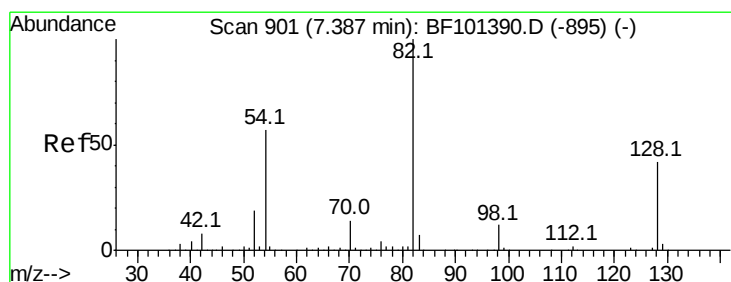
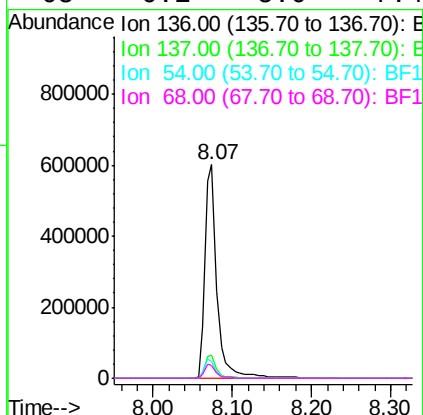
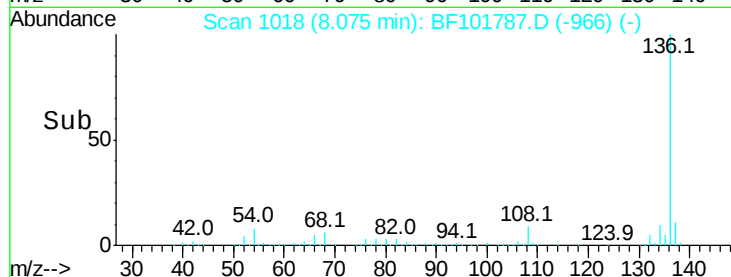
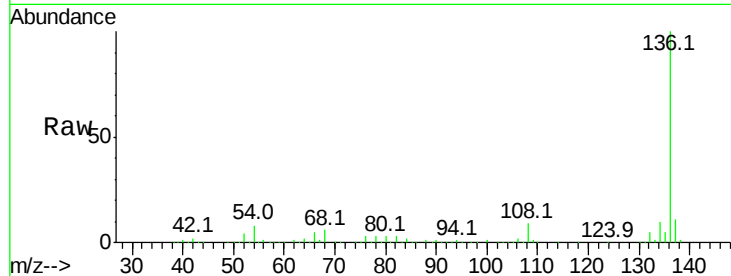
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.0	6.6	9.8
68	6.1	5.0	7.4

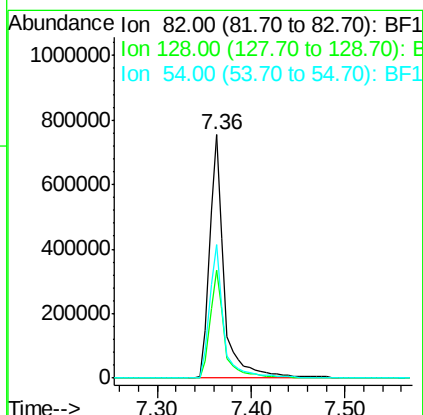
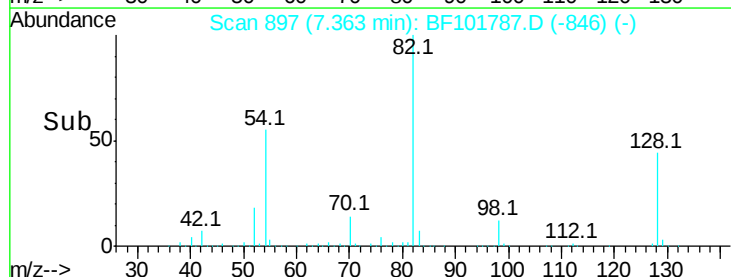
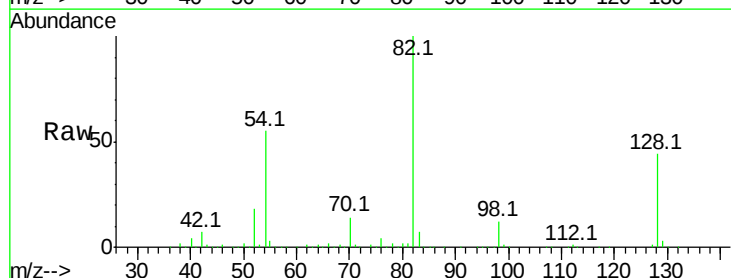
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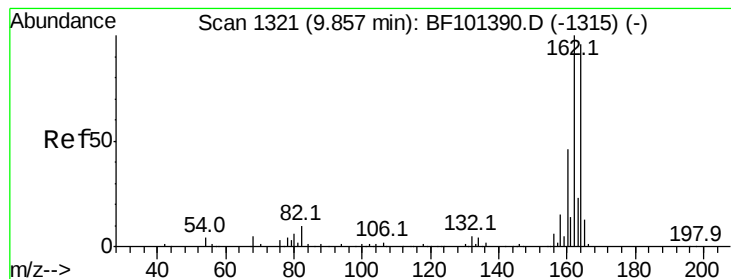
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#23
Nitrobenzene-d5
Concen: 71.662 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.4	36.1	54.1
54	54.8	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: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

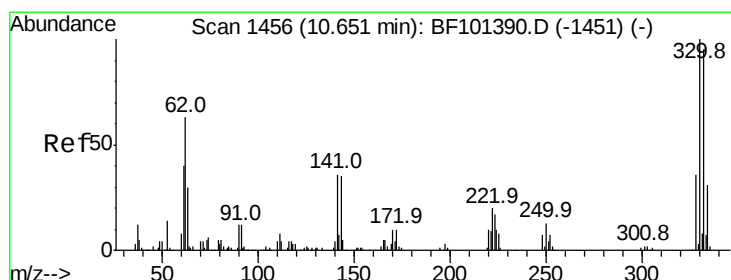
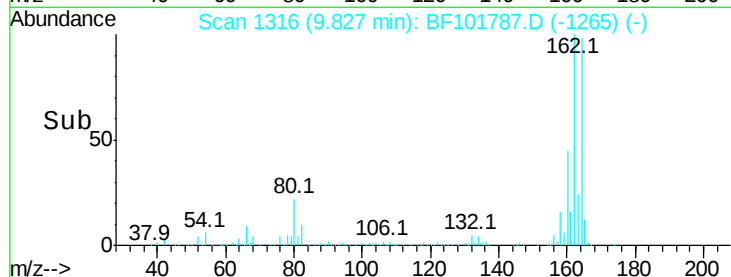
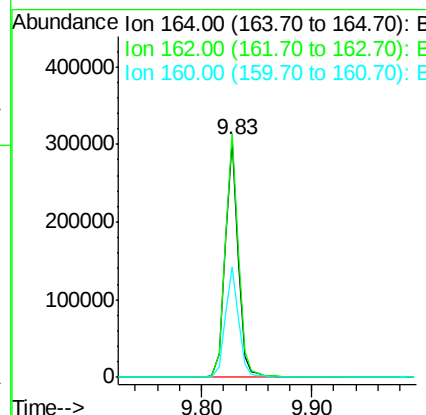
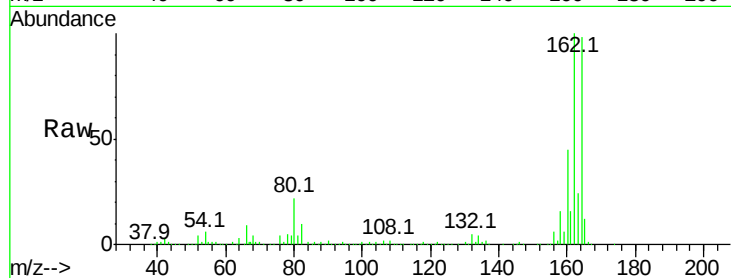
ClientSampleId :

SB-23-COMP

Tot Ion:	164	Resp:	253447
Ion Ratio	Lower	Upper	
164	100		
162	102.5	86.1	129.1
160	46.4	38.3	57.5

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 94.193 ng

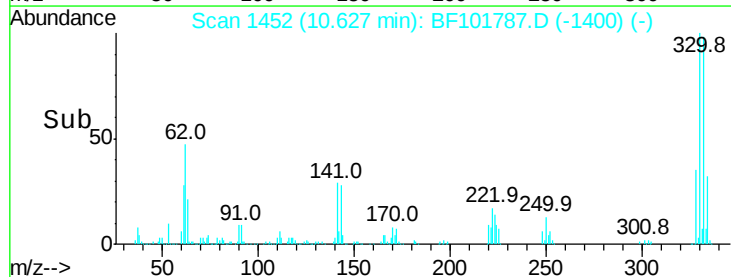
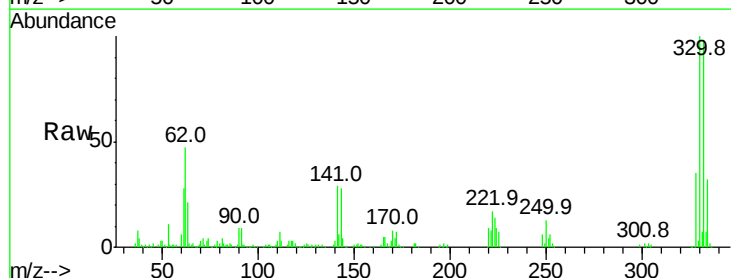
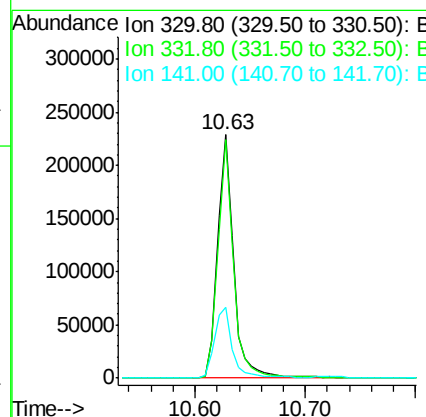
RT: 10.63 min Scan# 1452

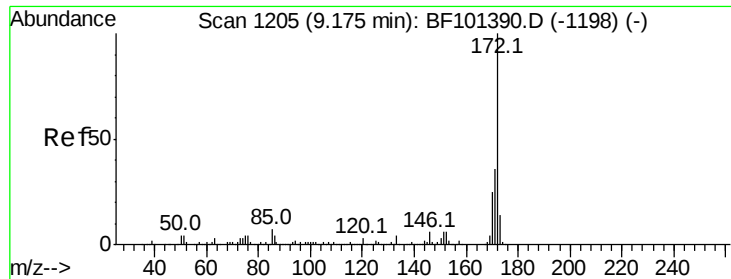
Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Tgt Ion:	330	Resp:	230034
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.0	115.6
141	31.2	29.9	44.9





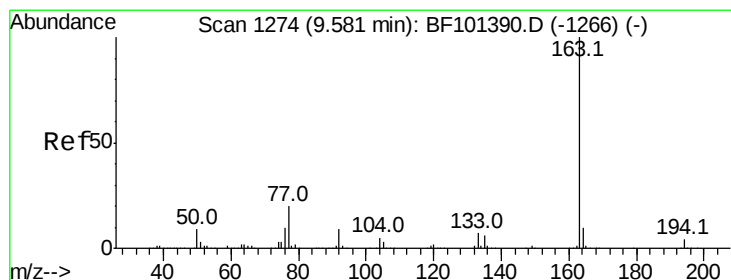
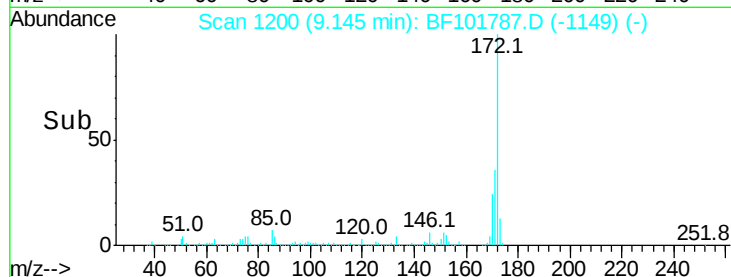
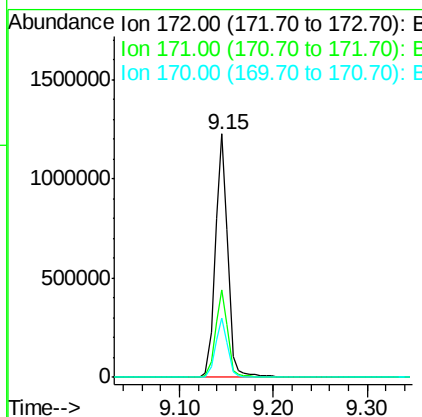
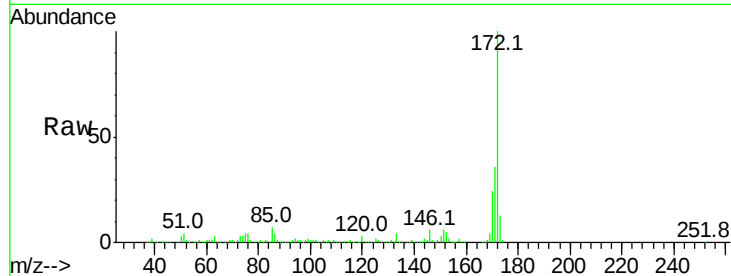
#44
2-Fluorobiphenyl
Concen: 70.598 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion:172 Resp: 1153455
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.2 19.6 29.4

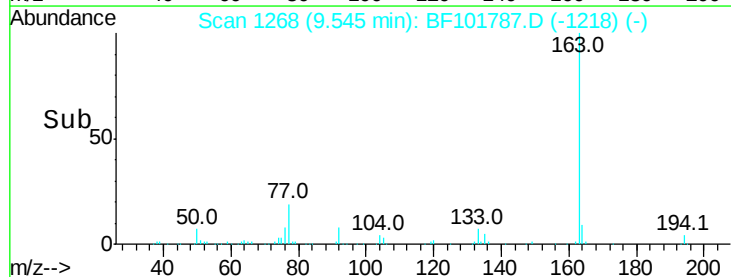
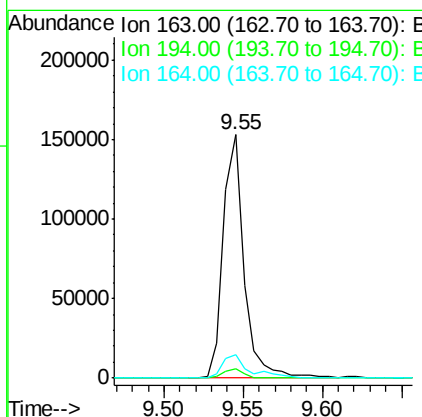
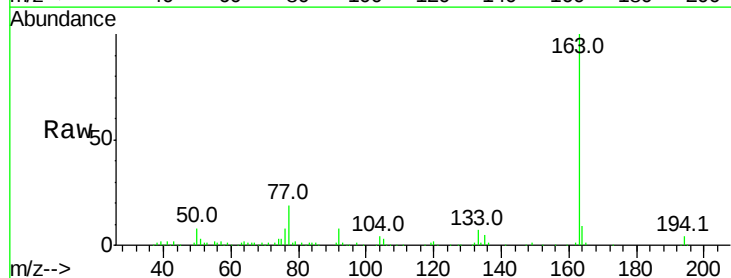
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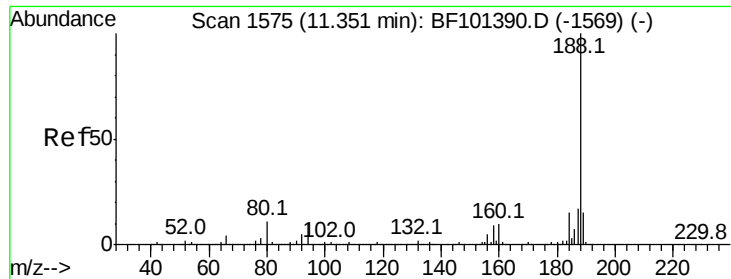
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#49
Dimethylphthalate
Concen: 6.851 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion:163 Resp: 139661
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.4 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: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

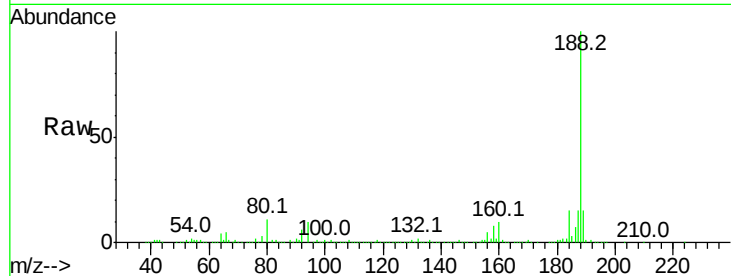
ClientSampleId :

SB-23-COMP

Tot Ion:	188	Resp:	388021
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.5	12.7
80	11.1	9.2	13.8

Manual Integrations
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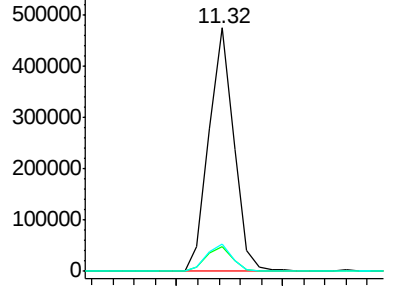
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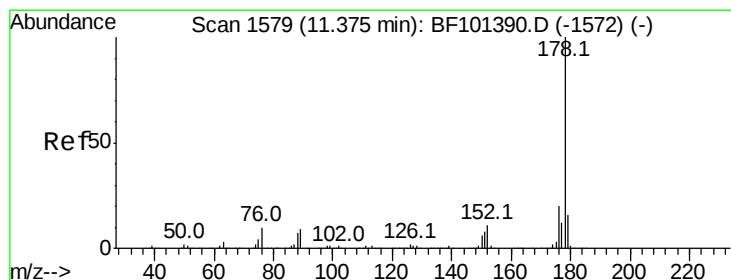
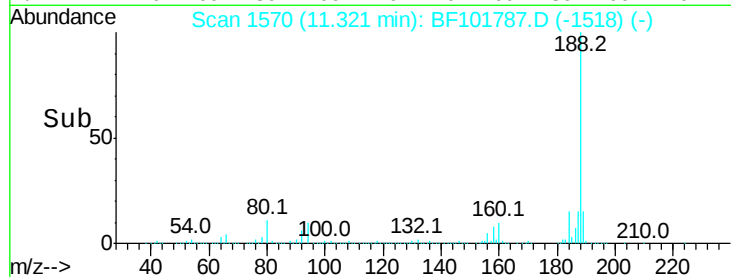
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#70

Phenanthrene

Concen: 18.214 ng

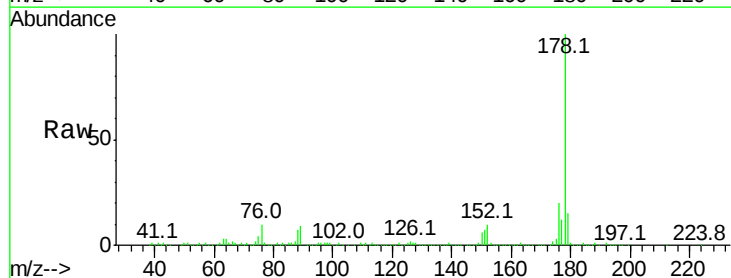
RT: 11.34 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

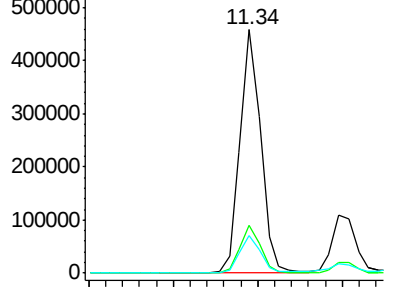
Tgt Ion:	178	Resp:	393035
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.5	13.0	19.6



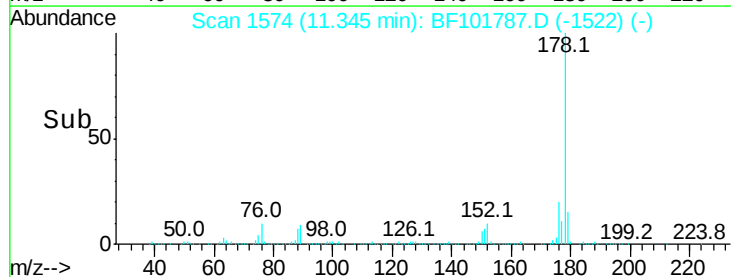
Abundance Ion 178.00 (177.70 to 178.70): E

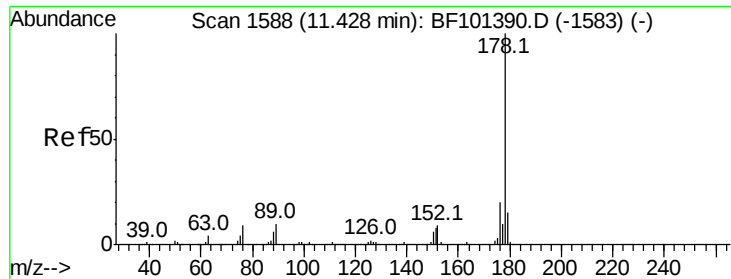
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





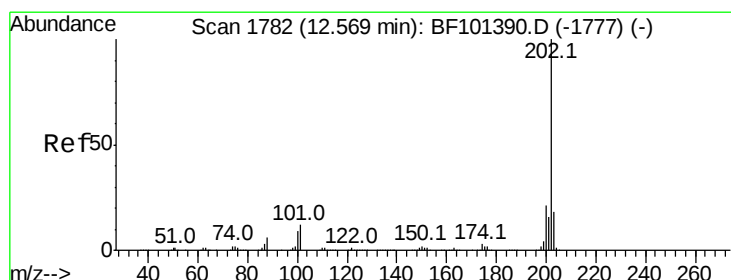
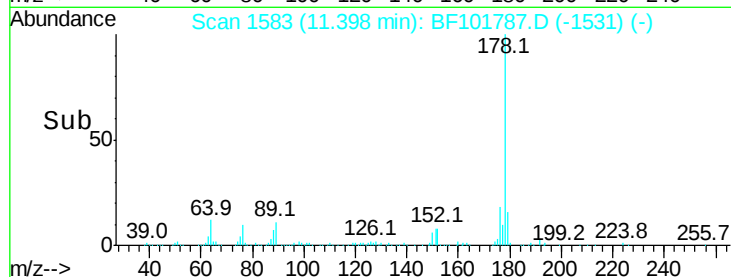
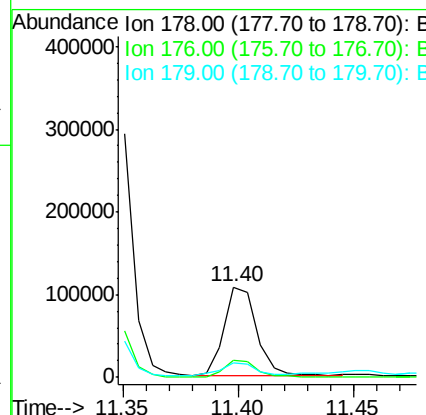
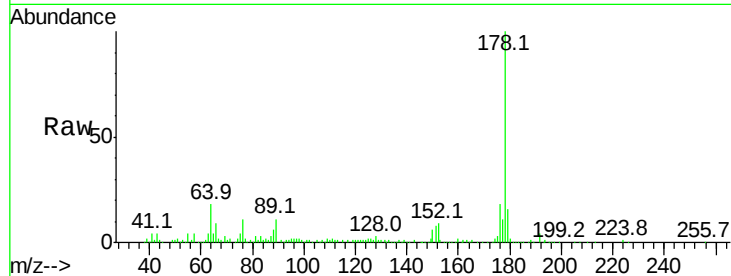
#71
 Anthracene
 Concen: 4.769 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101787.D
 Acq: 28 Dec 2017 3:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

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

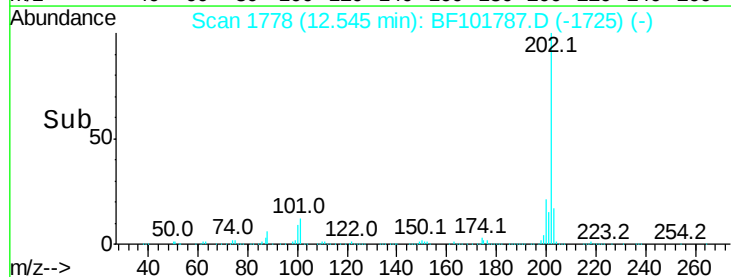
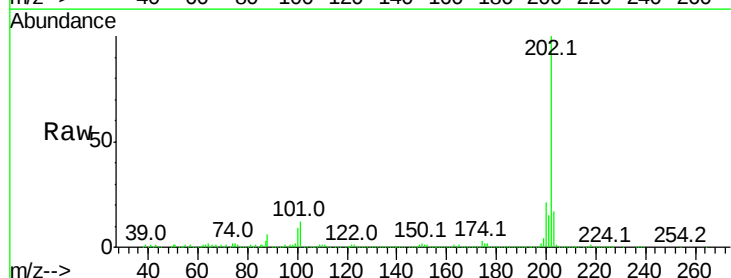
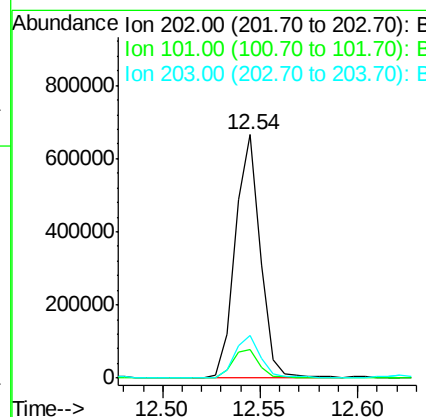
Manual Integrations
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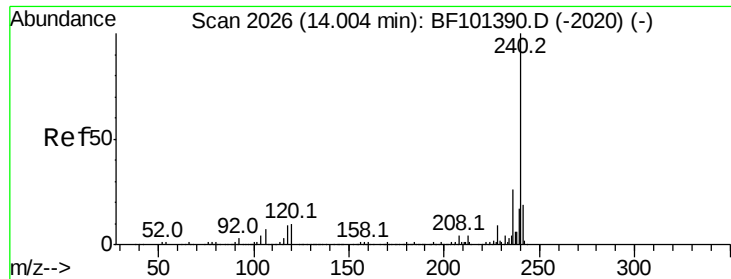
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#74
 Fluoranthene
 Concen: 26.030 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF101787.D
 Acq: 28 Dec 2017 3:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.5	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: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

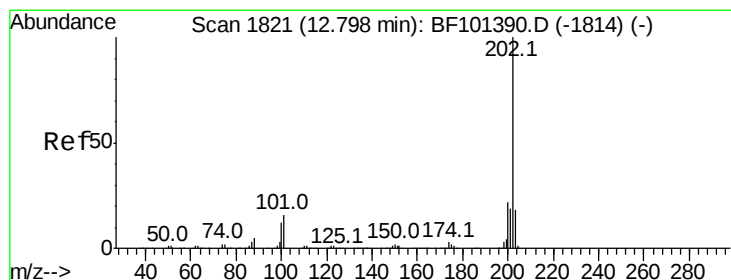
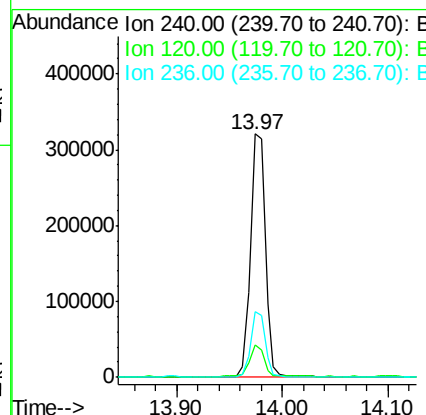
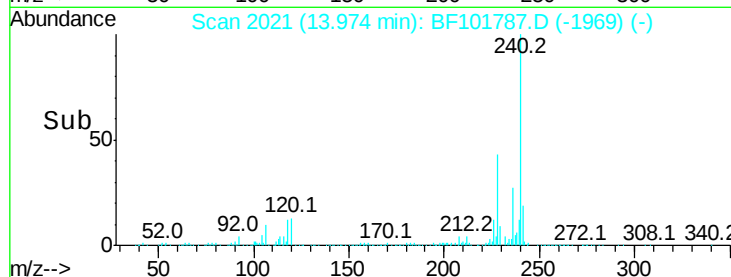
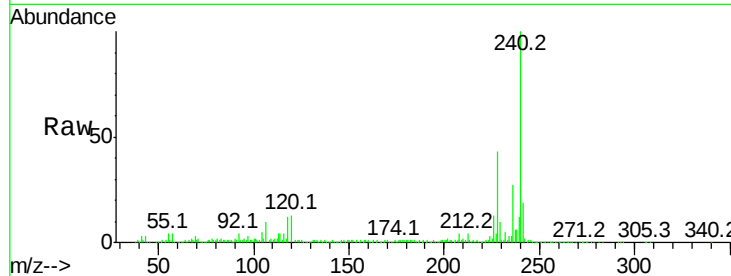
ClientSampleId :

SB-23-COMP

Tot Ion:	240	Resp:	311388
Ion Ratio	Lower	Upper	
240	100		
120	13.3	9.5	14.3
236	27.1	20.7	31.1

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#77

Pyrene

Concen: 23.511 ng

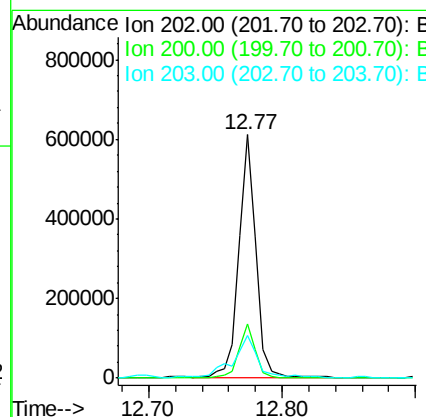
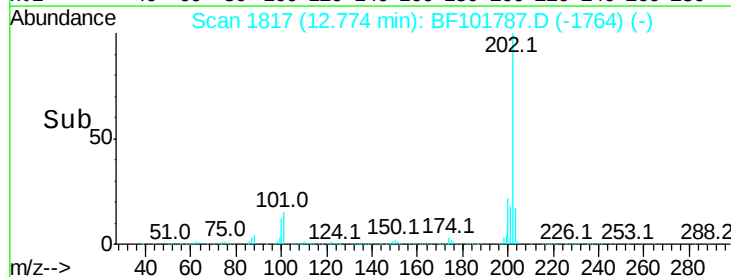
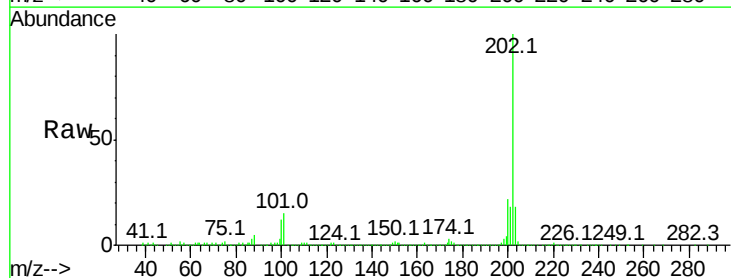
RT: 12.77 min Scan# 1817

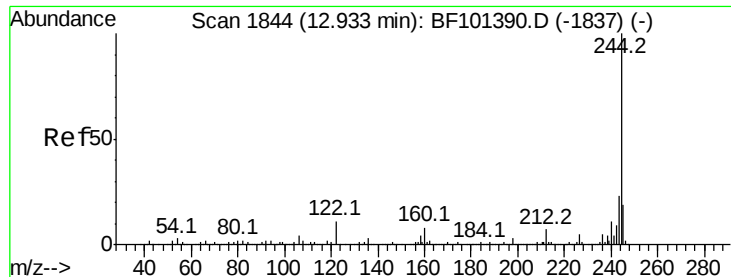
Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Tgt Ion:	202	Resp:	549448
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	17.7	14.3	21.5





#78

Terphenyl-d14

Concen: 57.526 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Instrument :

BNA_F

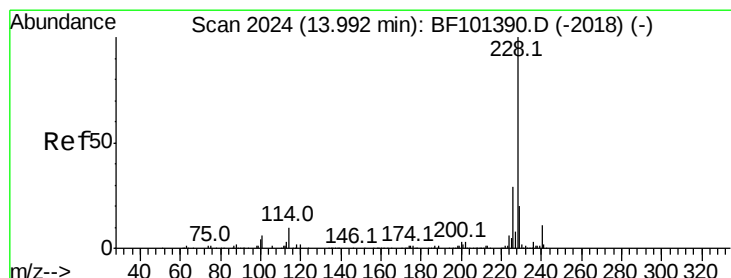
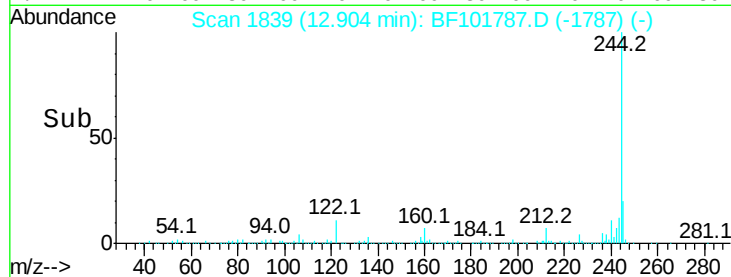
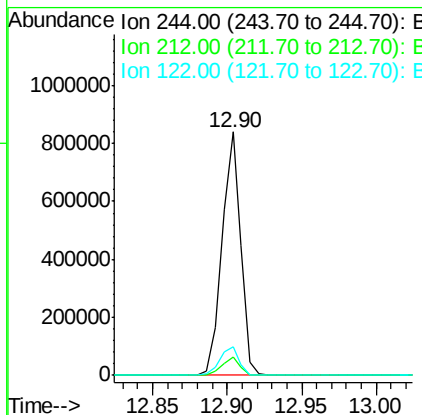
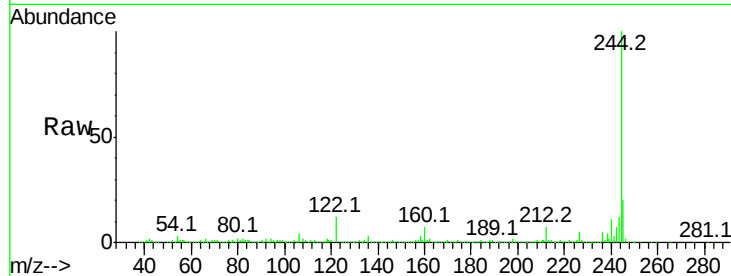
ClientSampled :

SB-23-COMP

Tot Ion:	244	Resp:	743036
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	11.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 15.162 ng

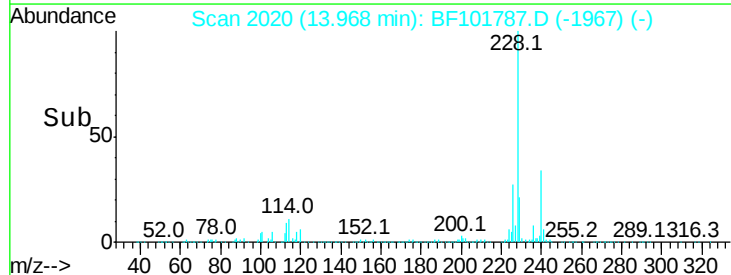
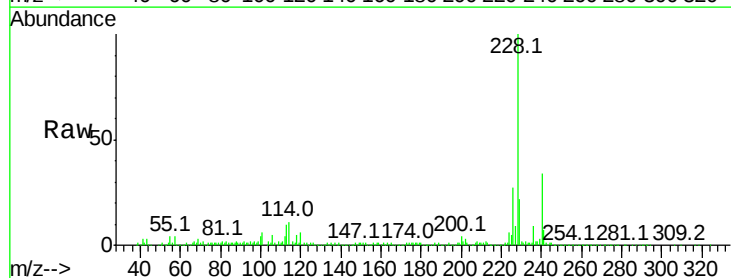
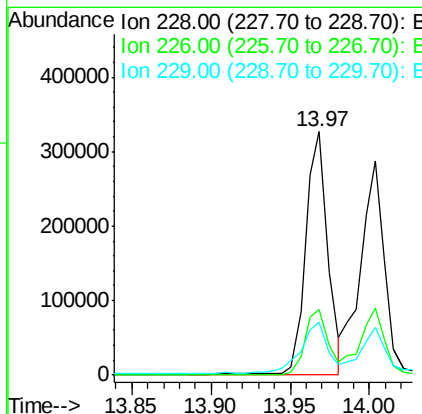
RT: 13.97 min Scan# 2020

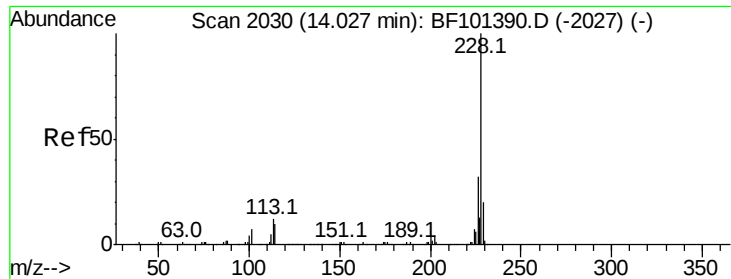
Delta R.T. 0.01 min

Lab File: BF101787.D

Acq: 28 Dec 2017 3:37

Tgt Ion:	228	Resp:	311760
Ion Ratio	Lower	Upper	
228	100		
226	26.9	22.6	33.8
229	21.6	15.8	23.6





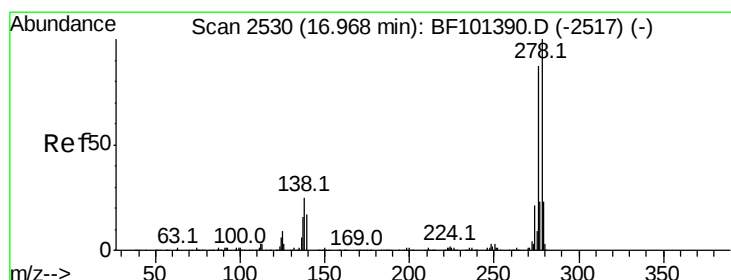
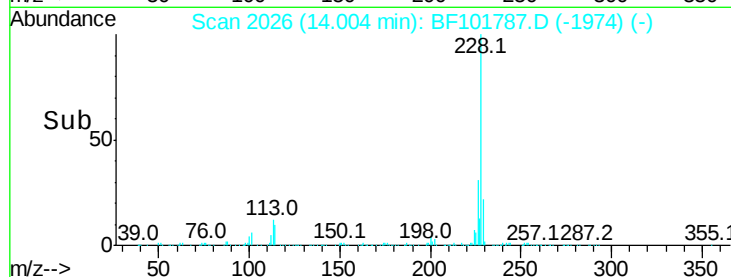
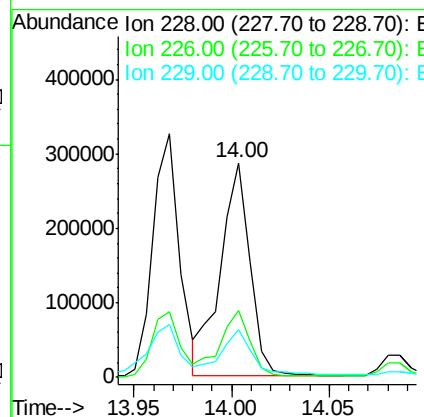
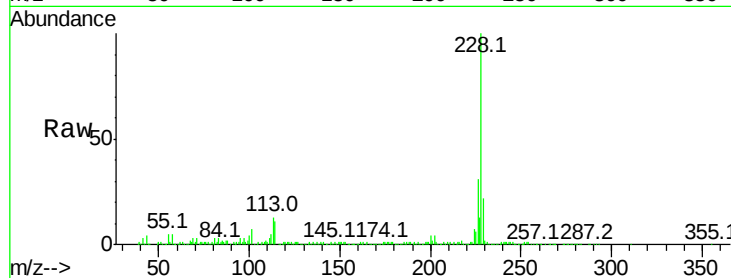
#82
Chrysene
Concen: 15.554 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Instrument :
BNA_F
ClientSampled :
SB-23-COMP

Tot Ion	Ratio	Resp	Lower	Upper
228	100	301971		
226	31.4	25.0	37.6	
229	22.1	16.2	24.4	

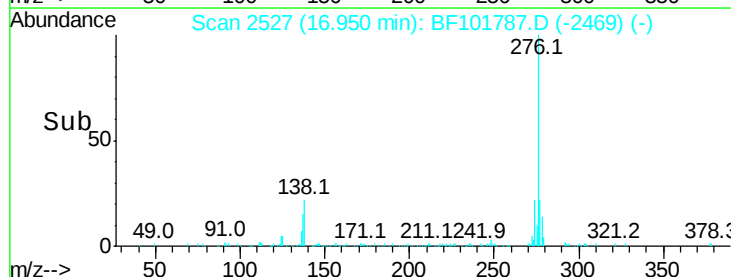
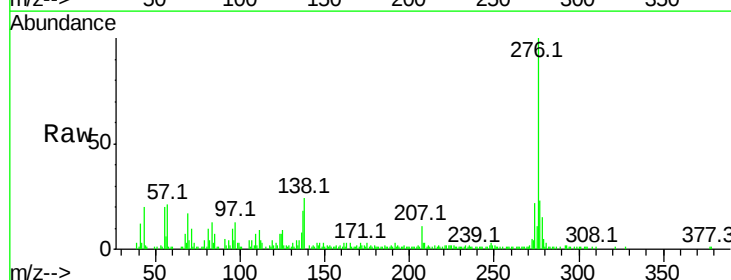
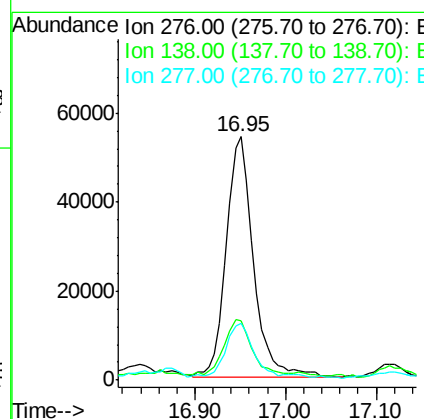
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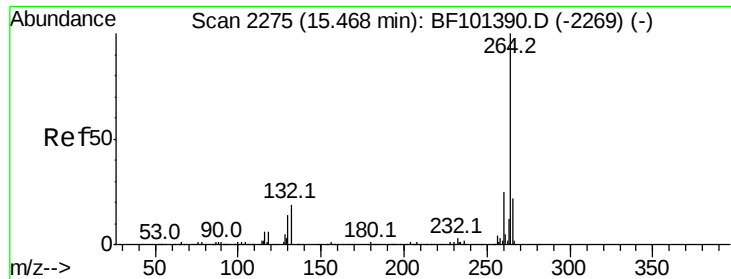
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.556 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.04 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	113335		
138	22.9	25.0	37.6#	
277	21.0	20.1	30.1	





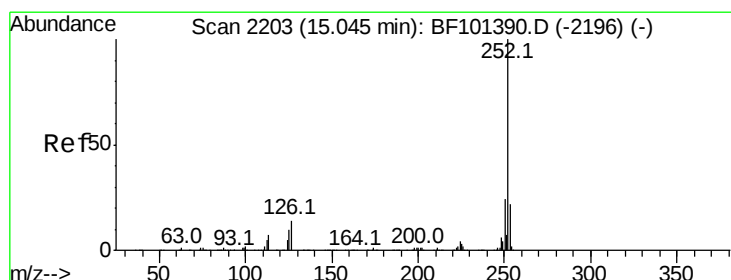
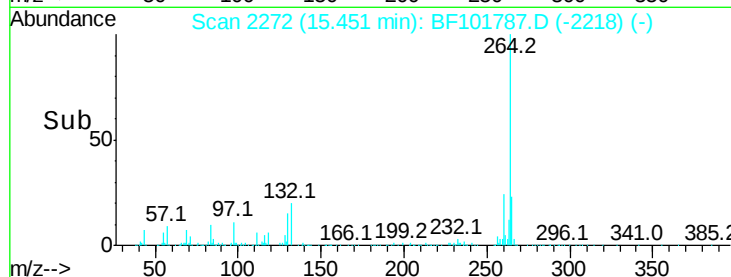
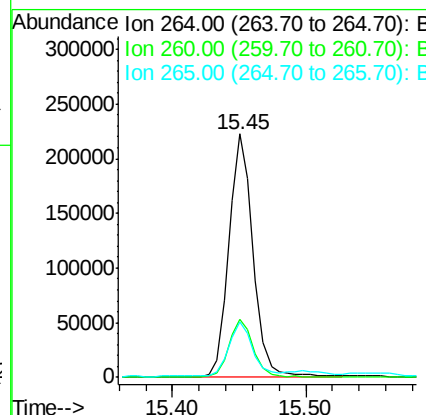
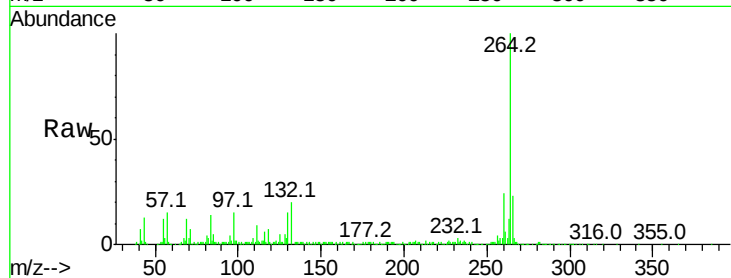
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion	Ratio	Resp	Lower	Upper
264	100	282135		
260	23.9		19.2	28.8
265	23.0		17.5	26.3

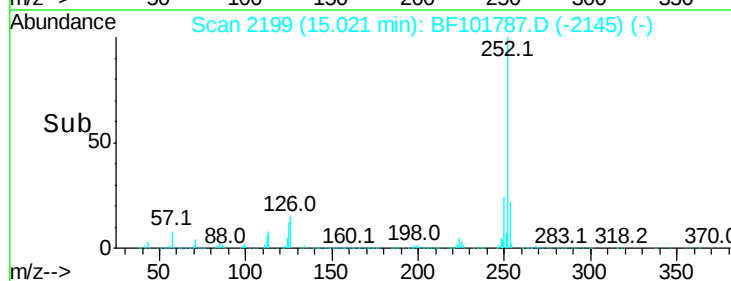
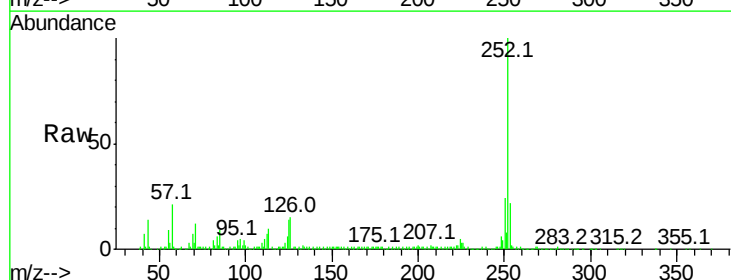
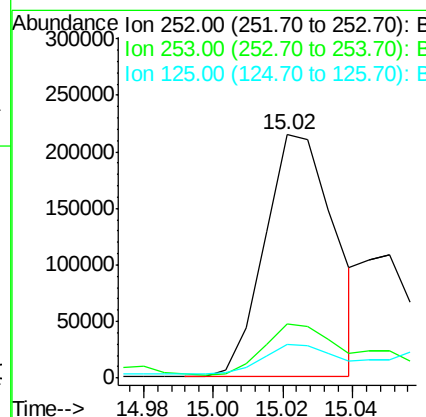
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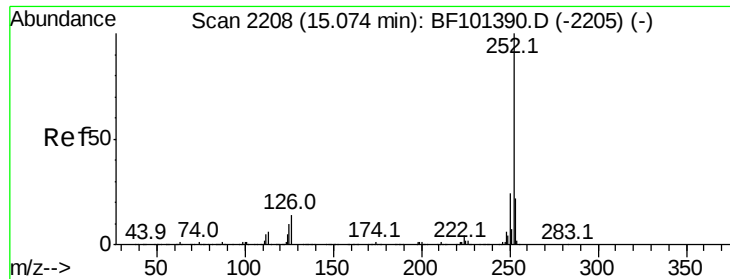
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#87
Benzo(b)fluoranthene
Concen: 17.355 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	298454		
253	22.2		17.0	25.6
125	13.6		9.0	13.6#





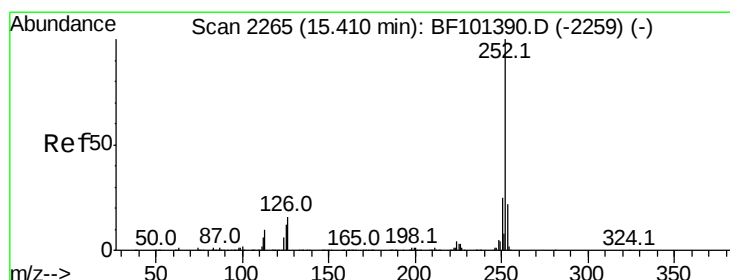
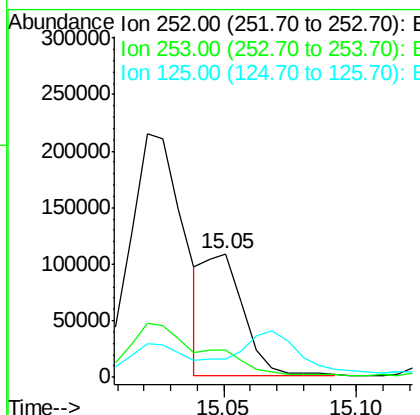
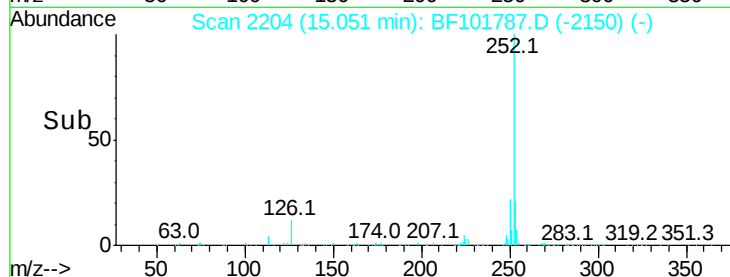
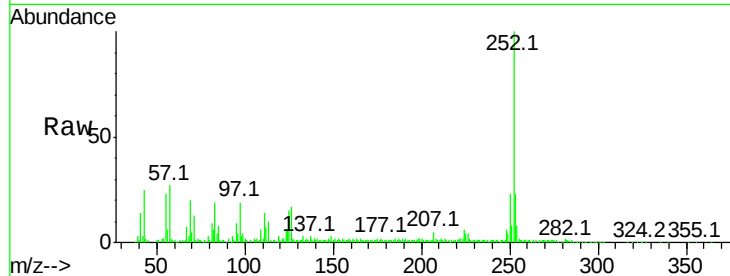
#88
Benzo(k)fluoranthene
Concen: 6.616 ng/mL
RT: 15.05 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	14.7	10.2	15.2

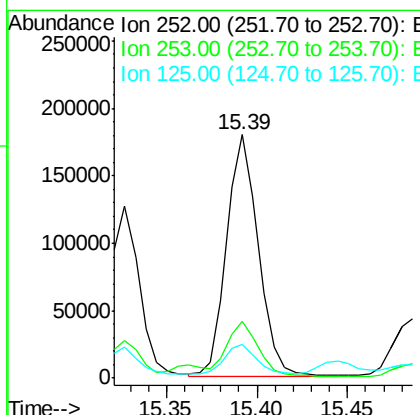
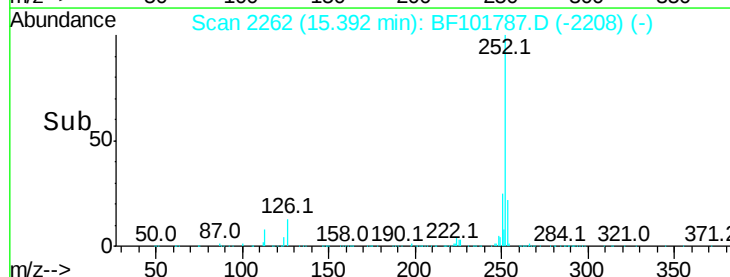
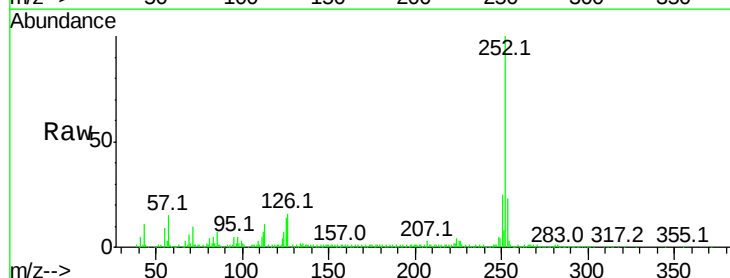
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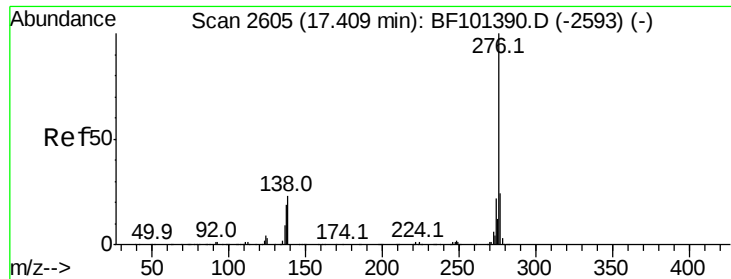
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#89
Benzo(a)pyrene
Concen: 13.862 ng/mL
RT: 15.39 min Scan# 2262
Delta R.T. 0.02 min
Lab File: BF101787.D
Acq: 28 Dec 2017 3:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 7.157 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.05 min
 Lab File: BF101787.D
 Acq: 28 Dec 2017 3:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9#
138	24.2	21.8	32.8

Manual Integrations
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