

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099791.D
 Acq On : 24 Oct 2017 16:39
 Operator : SJ/JU
 Sample : I6019-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02

Manual Integrations
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 10/25/2017 6:25:22 PM

Quant Time: Oct 25 07:45:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	97784	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	410813	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	188832	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	324600	20.00	ng	0.00
75) Chrysene-d12	13.98	240	174836	20.00	ng	0.00
86) Perylene-d12	15.45	264	173469	20.00	ng	0.00

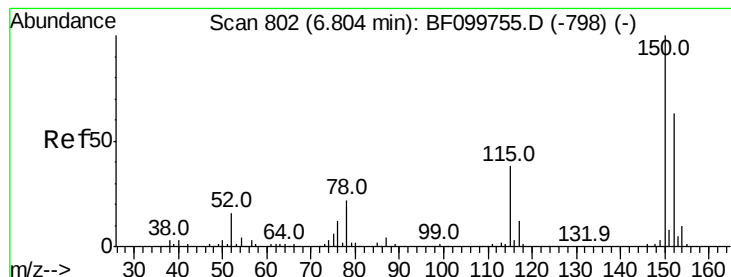
System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	783967	125.87	ng	0.01
7) Phenol-d6	6.45	99	962700	130.36	ng	0.00
23) Nitrobenzene-d5	7.37	82	558918	87.59	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	211554	122.94	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1018570	83.22	ng	0.00
78) Terphenyl-d14	12.92	244	749810	93.72	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.46	94	20389	2.515	ng	95
51) Acenaphthene	9.87	154	32174	2.756	ng	97
57) Fluorene	10.39	166	44240	3.242	ng	99
70) Phenanthrene	11.36	178	616751	33.668	ng	99
71) Anthracene	11.41	178	145459	7.823	ng	98
72) Carbazole	11.57	167	41205	2.356	ng	98
74) Fluoranthene	12.56	202	689288	36.207	ng	97
77) Pyrene	12.79	202	678381	51.028	ng	99
80) Benzo(a)anthracene	13.97	228	266224	24.020	ng	98
82) Chrysene	14.01	228	251471	24.134	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	116137	12.141	ng	98
87) Benzo(b)fluoranthene	15.03	252	243091m	22.192	ng	
88) Benzo(k)fluoranthene	15.05	252	93689m	9.070	ng	
89) Benzo(a)pyrene	15.39	252	208178	21.157	ng	98
90) Dibenzo(a,h)anthracene	16.93	278	34545m	3.951	ng	
91) Benzo(g,h,i)perylene	17.37	276	113515	13.271	ng	94

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



#1

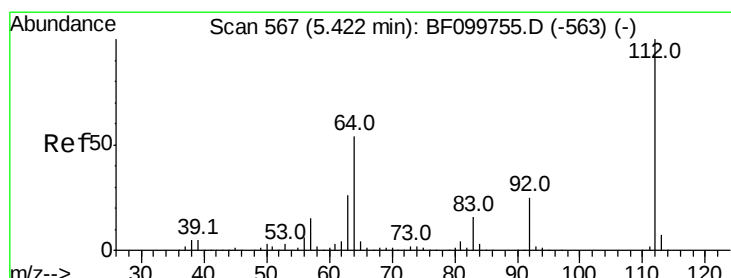
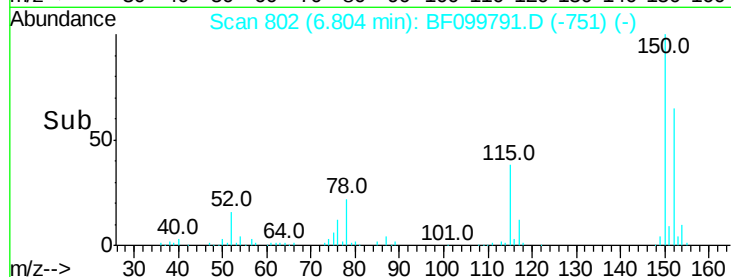
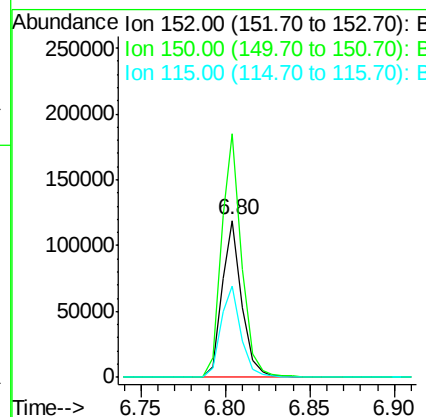
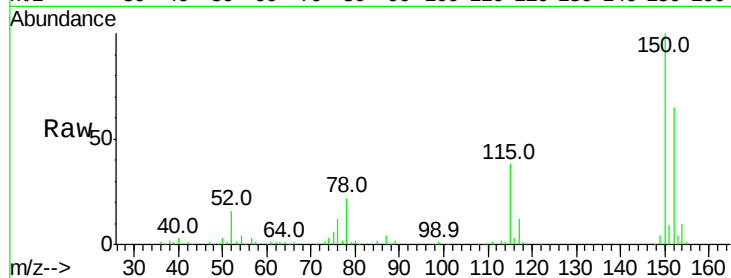
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Instrument :
BNA_F
ClientSampled :
SB-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	58.3	50.1	75.1

Manual Integrations
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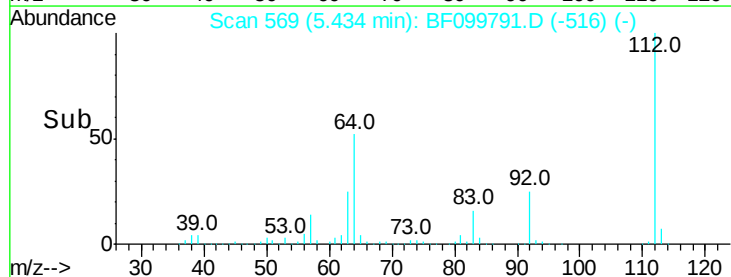
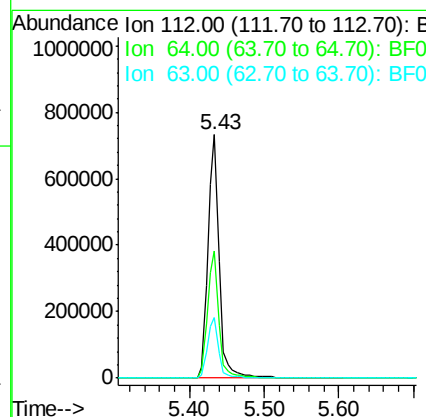
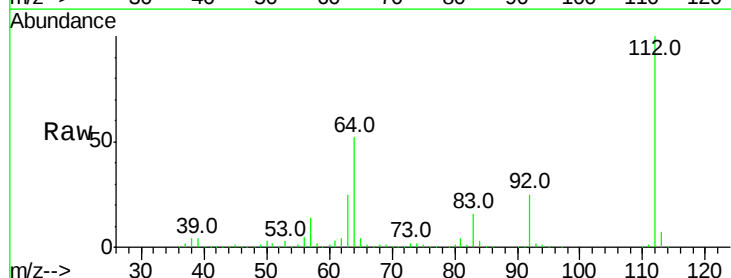
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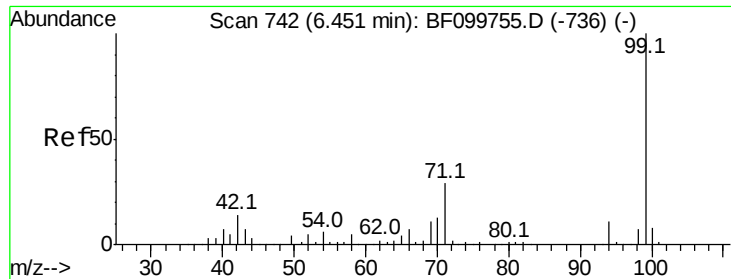


#5

2-Fluorophenol
Concen: 125.869 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	47.9	71.9
63	24.7	23.7	35.5





#7

Phenol-d6

Concen: 130.356 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF099791.D

Acq: 24 Oct 2017 16:39

Instrument :

BNA_F

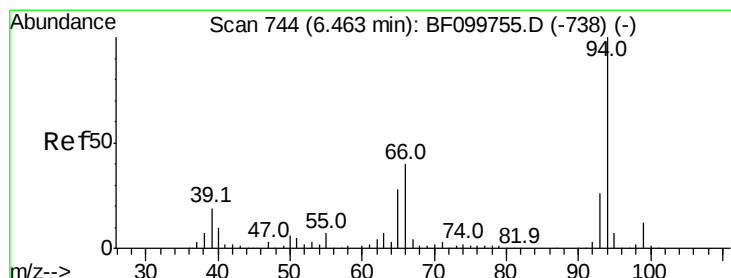
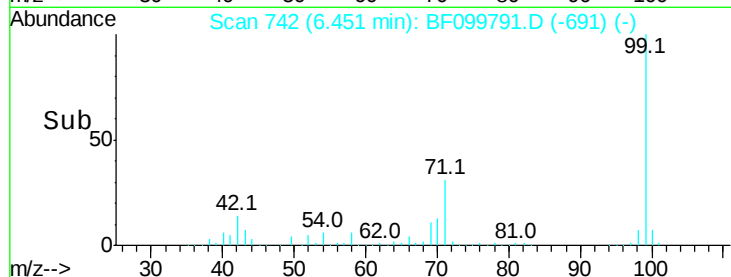
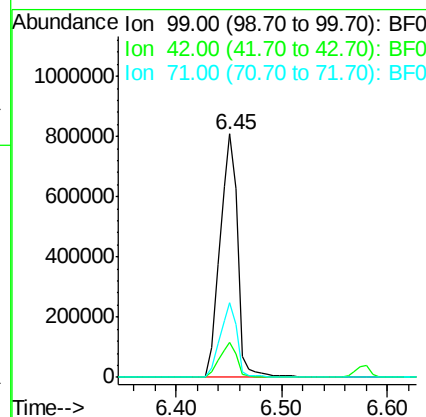
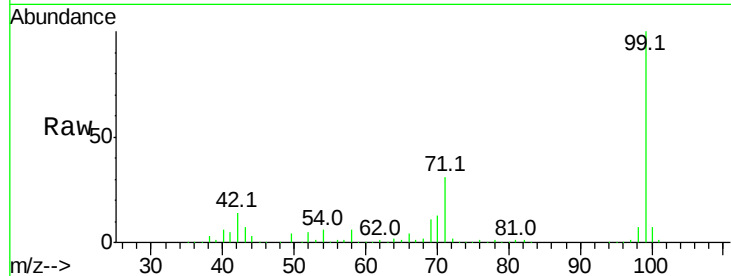
ClientSampled :

SB-02

Tot Ion:	99	Resp:	962700
Ion Ratio	Lower	Upper	
99	100		
42	14.5	14.5	21.7#
71	30.6	25.4	38.0

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#10

Phenol

Concen: 2.515 ng

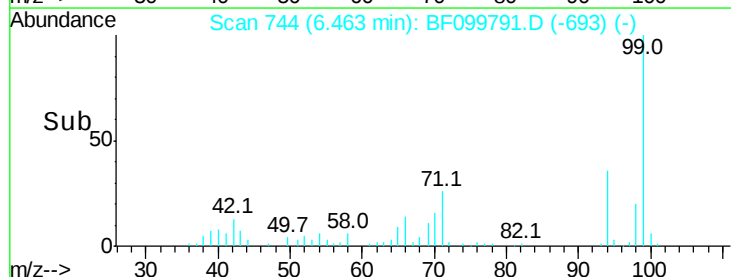
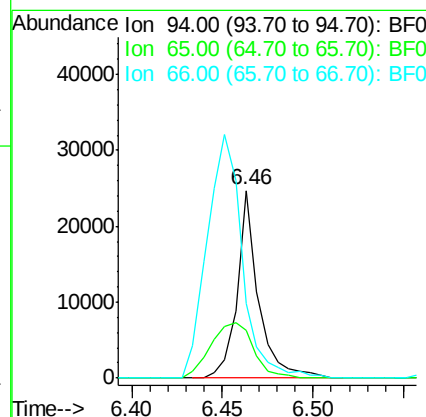
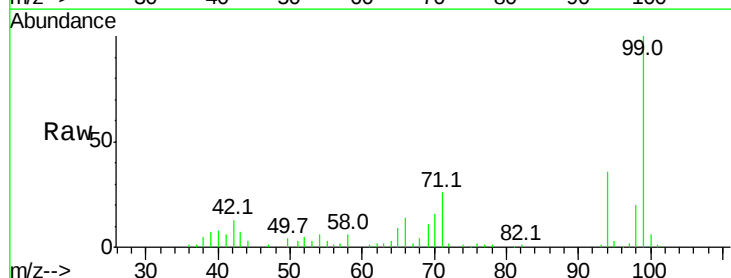
RT: 6.46 min Scan# 744

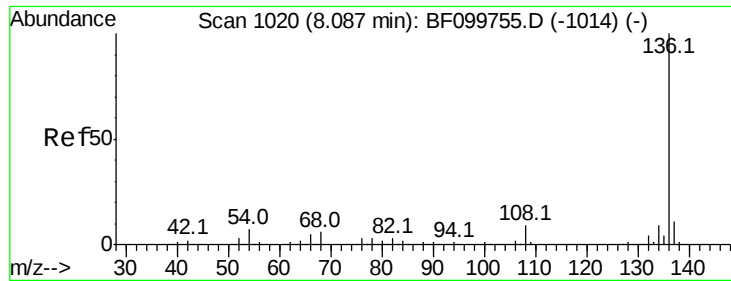
Delta R.T. -0.00 min

Lab File: BF099791.D

Acq: 24 Oct 2017 16:39

Tgt Ion:	94	Resp:	20389
Ion Ratio	Lower	Upper	
94	100		
65	25.5	7.9	47.9
66	39.7	16.2	56.2





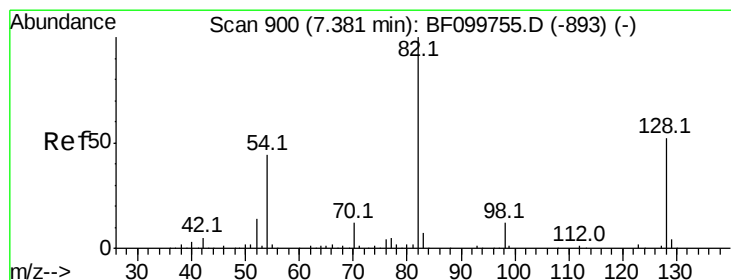
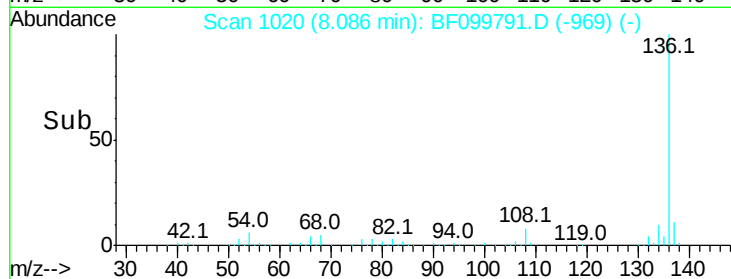
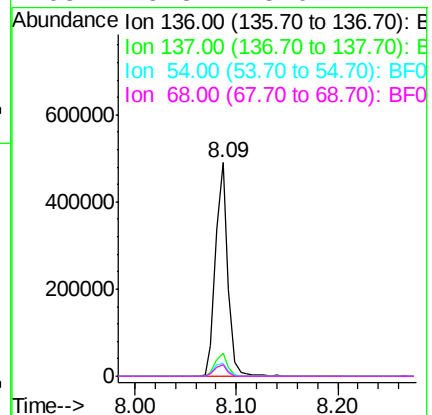
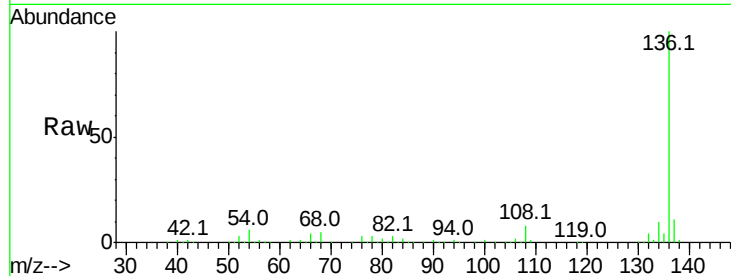
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Instrument :
BNA_F
ClientSampled :
SB-02

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	6.2	6.6	9.8	
68	5.3	5.0	7.4	

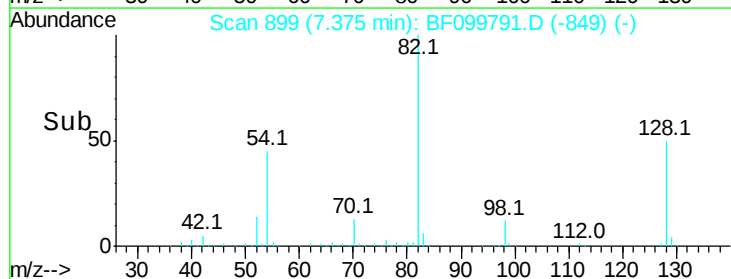
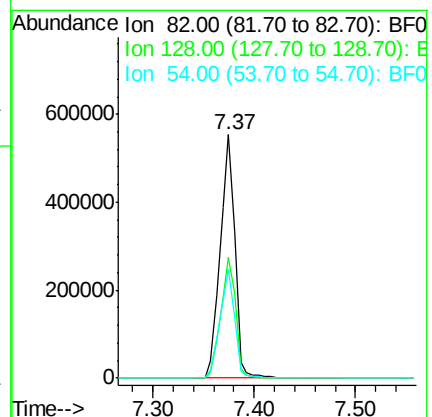
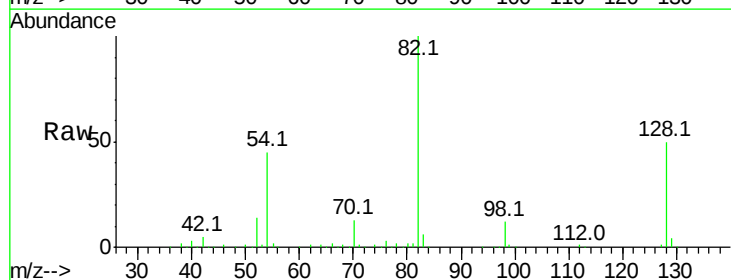
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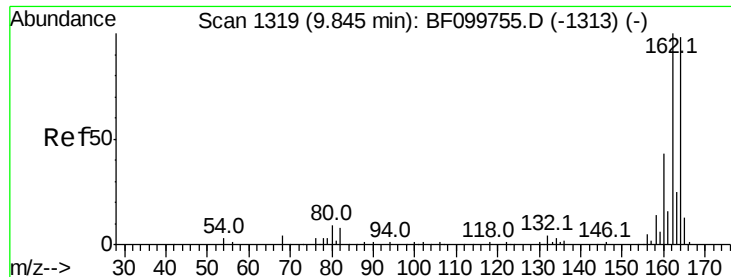
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#23
Nitrobenzene-d5
Concen: 87.591 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.8	36.1	54.1	
54	44.7	41.4	62.2	





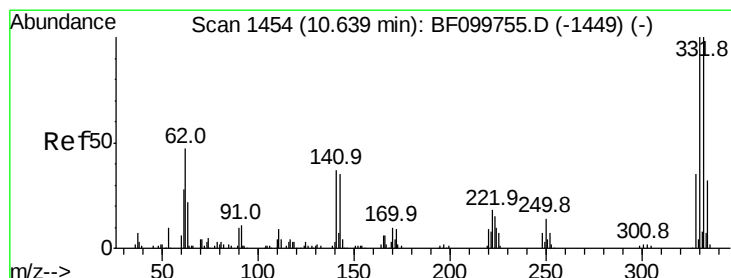
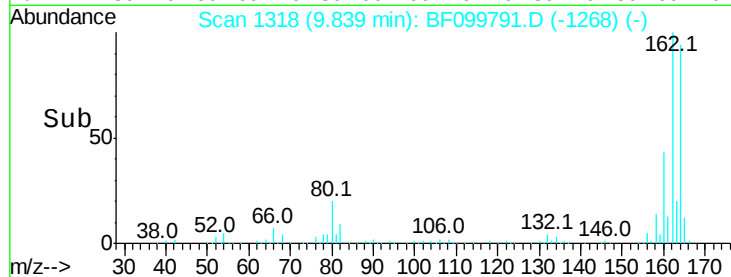
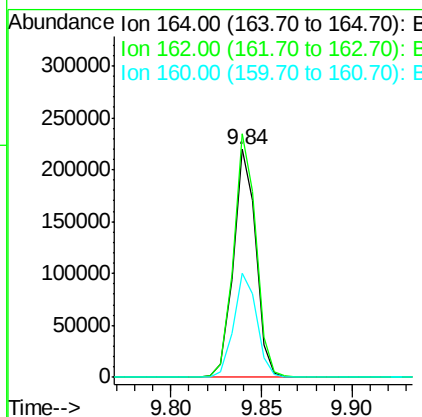
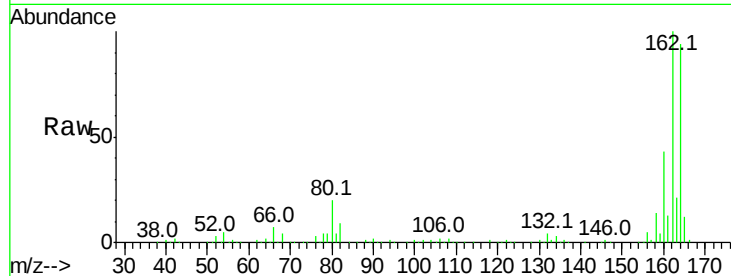
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Instrument :
BNA_F
ClientSampleId :
SB-02

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.8	86.1	129.1
160	45.4	38.3	57.5

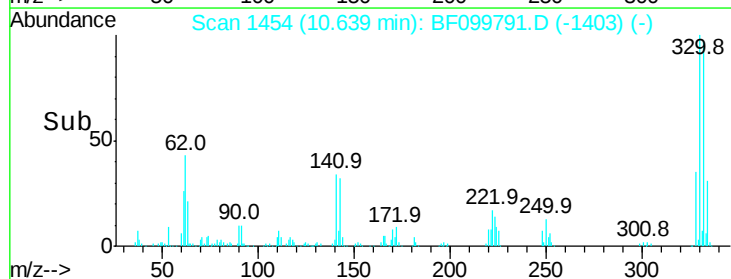
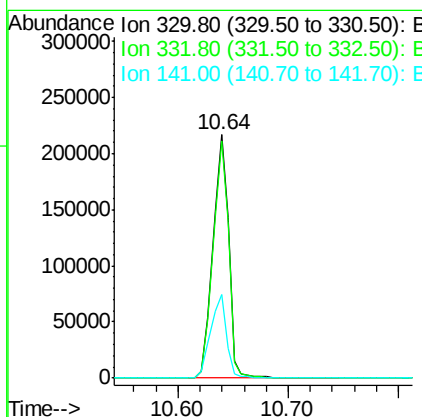
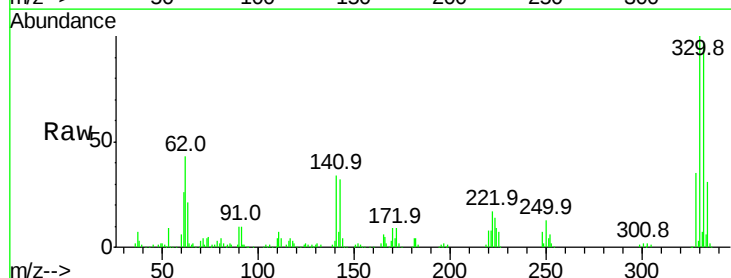
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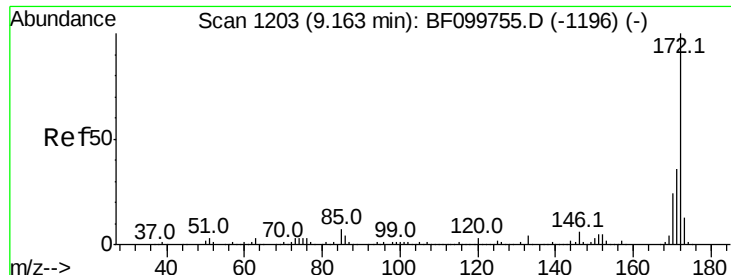
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#41
2,4,6-Tribromophenol
Concen: 122.935 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	35.2	29.9	44.9





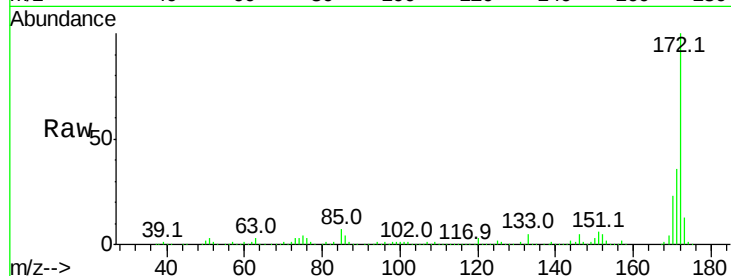
#44
2-Fluorobiphenyl
Concen: 83.222 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Instrument :
BNA_F
ClientSampled :
SB-02

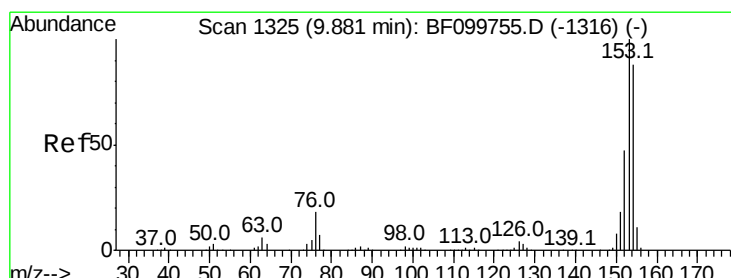
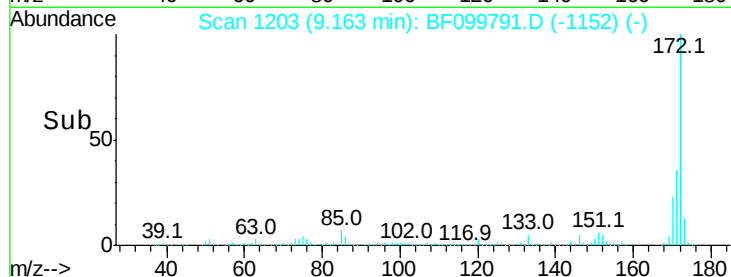
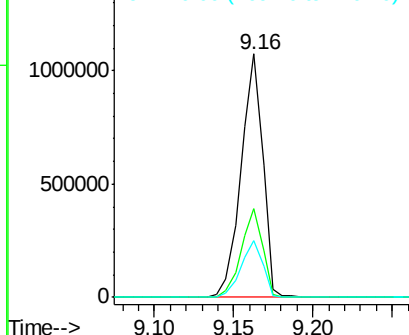
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.4	19.6	29.4

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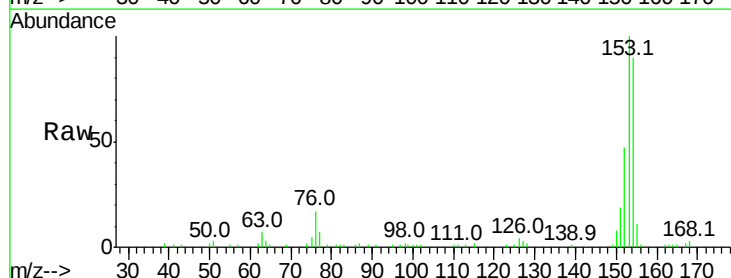


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

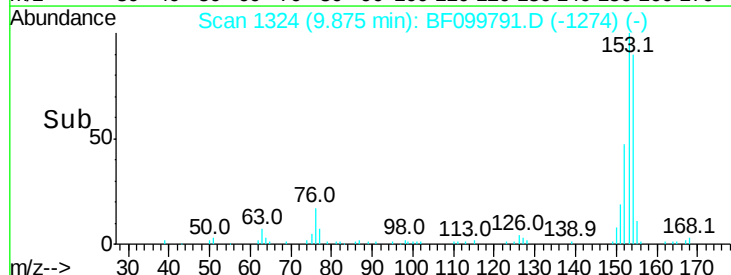
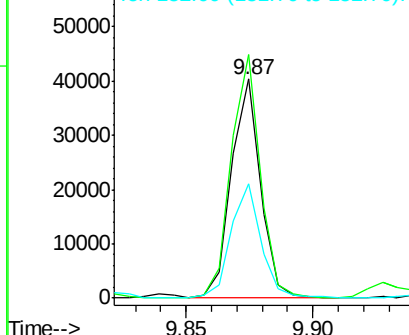


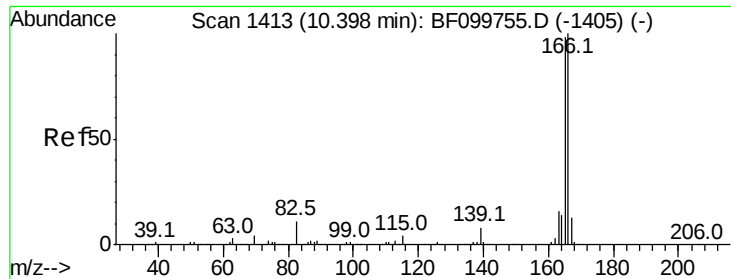
#51
Acenaphthene
Concen: 2.756 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.2	91.2	136.8
152	52.0	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





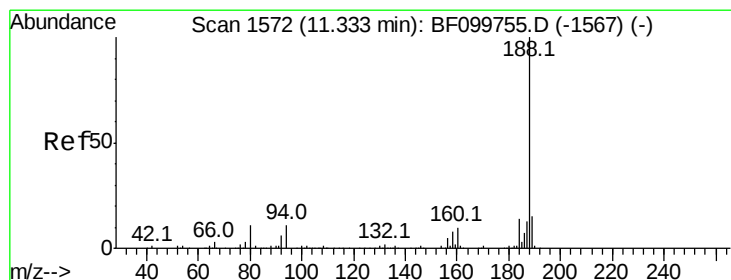
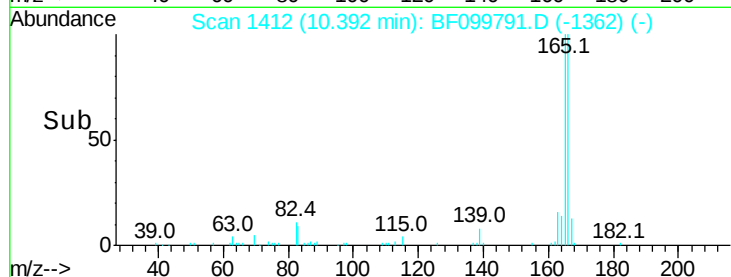
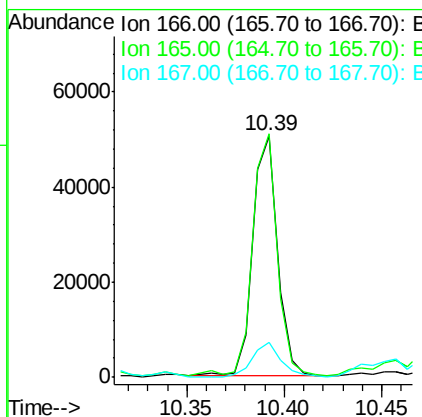
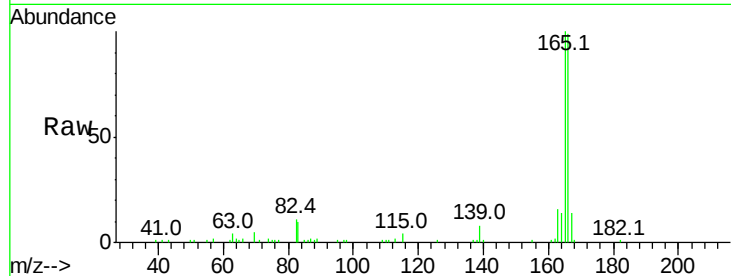
#57
 Fluorene
 Concen: 3.242 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF099791.D
 Acq: 24 Oct 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-02

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.8	119.8
167	14.5	10.6	16.0

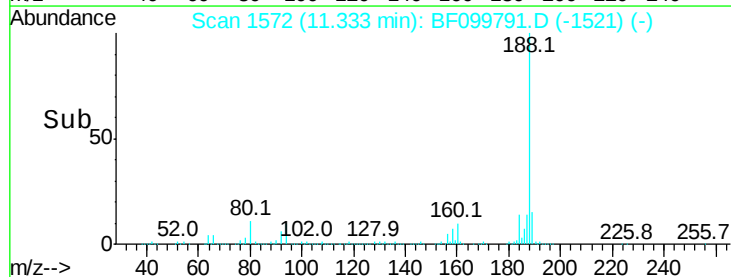
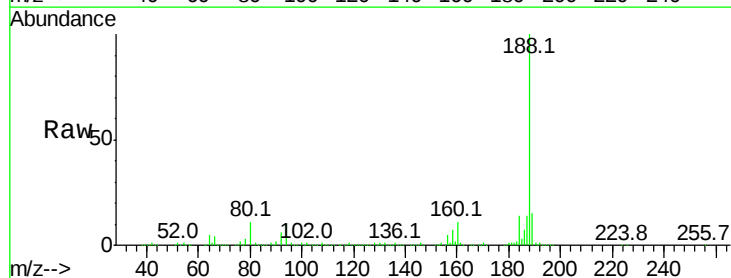
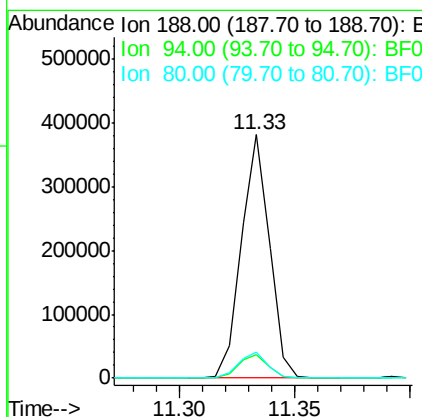
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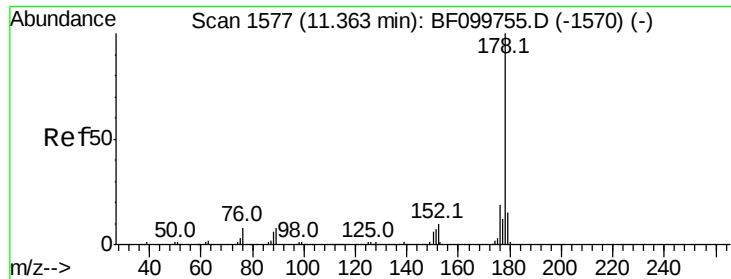
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF099791.D
 Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.9	9.2	13.8





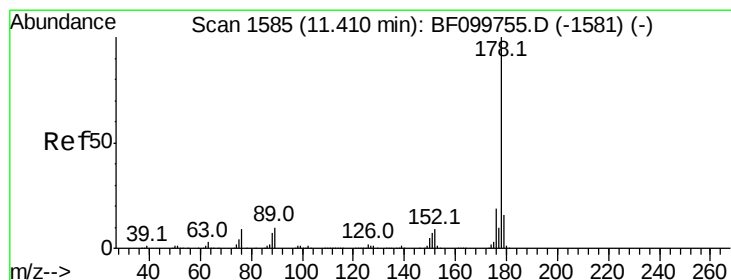
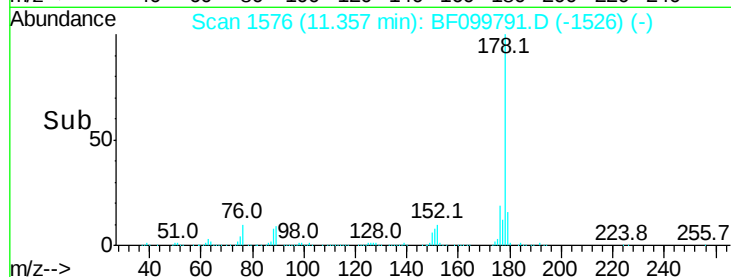
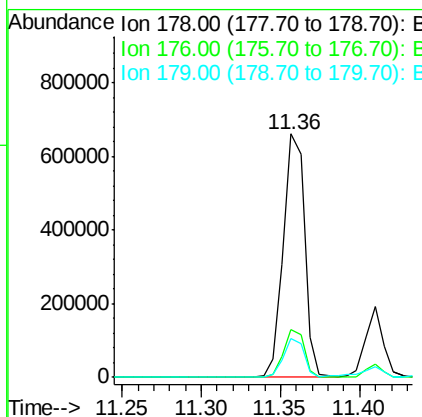
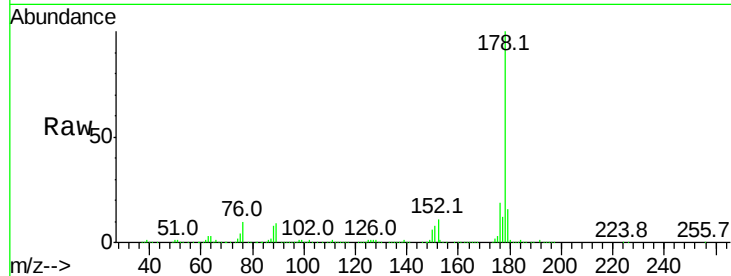
#70
Phenanthrene
Concen: 33.668 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Instrument :
BNA_F
ClientSampled :
SB-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.8	13.0	19.6

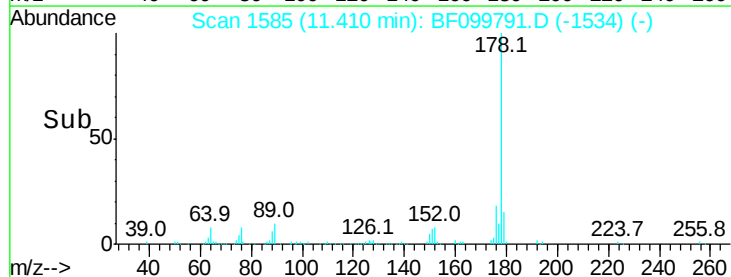
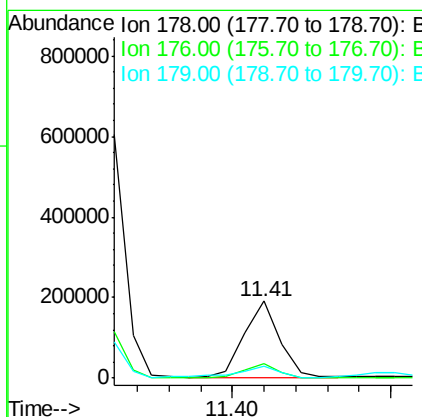
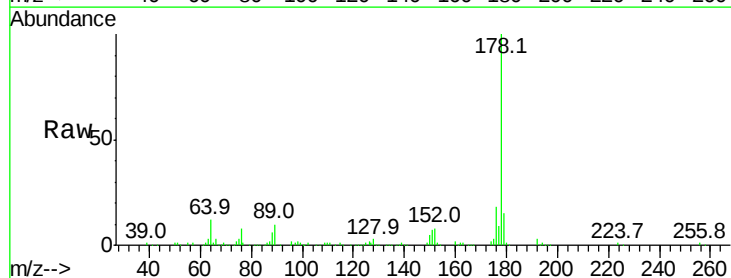
Manual Integrations
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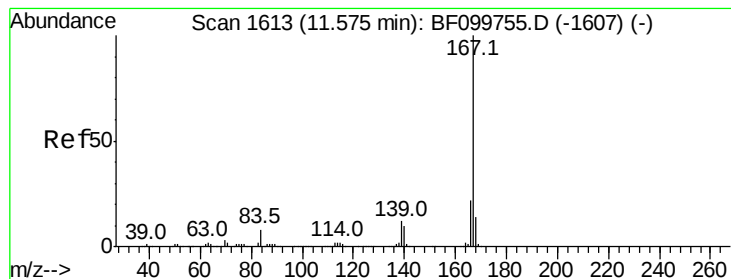
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#71
Anthracene
Concen: 7.823 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.0	12.6	19.0





#72

Carbazole

Concen: 2.356 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF099791.D

Acq: 24 Oct 2017 16:39

Instrument :

BNA_F

ClientSampled :

SB-02

Tot Ion:167 Resp: 41205

Ion Ratio Lower Upper

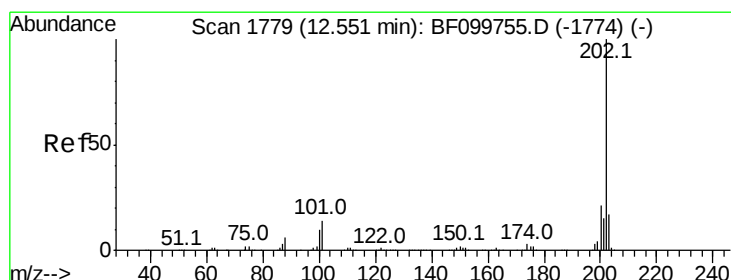
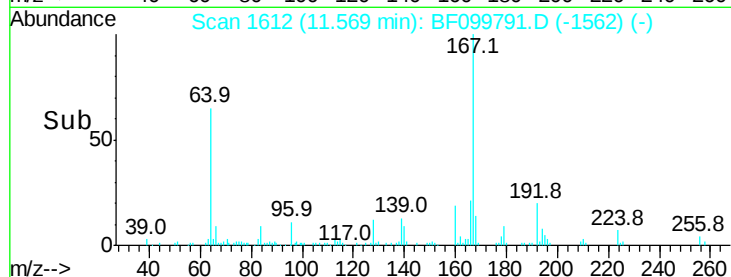
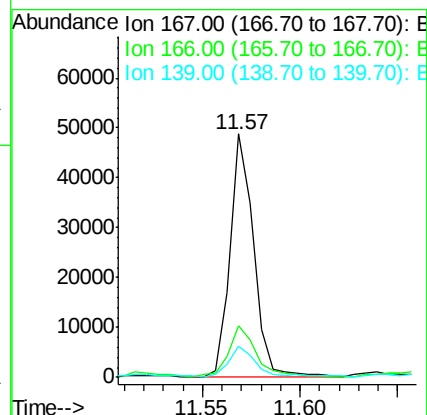
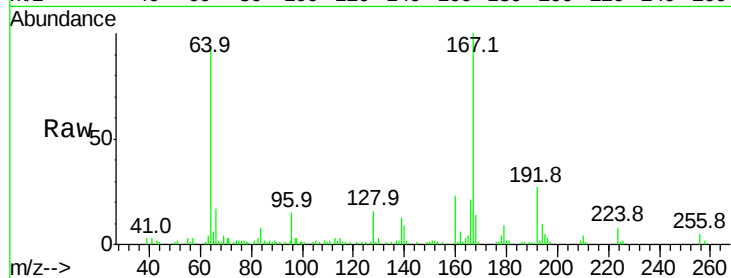
167 100

166 21.2 17.6 26.4

139 13.0 10.9 16.3

Manual Integrations
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#74

Fluoranthene

Concen: 36.207 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF099791.D

Acq: 24 Oct 2017 16:39

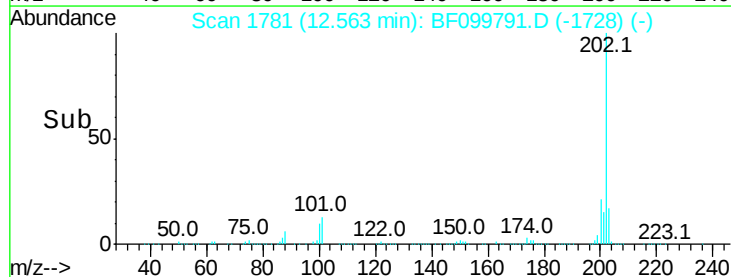
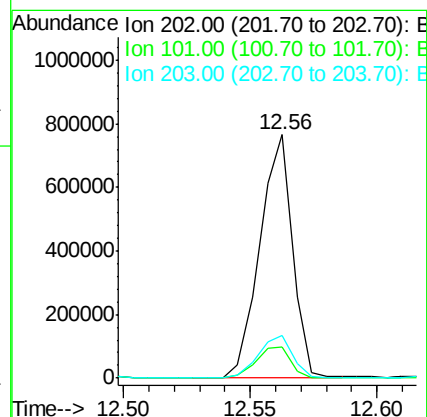
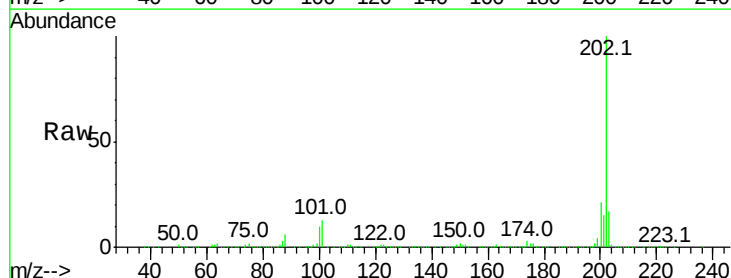
Tgt Ion:202 Resp: 689288

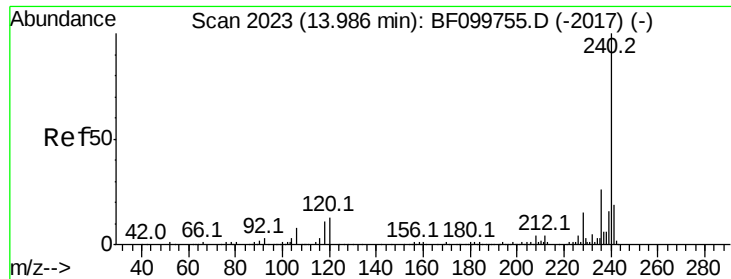
Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099791.D

Acq: 24 Oct 2017 16:39

Instrument :

BNA_F

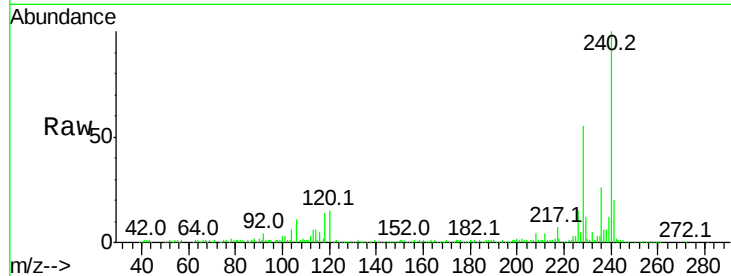
ClientSampled :

SB-02

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	25.9	20.7	31.1

Manual Integrations
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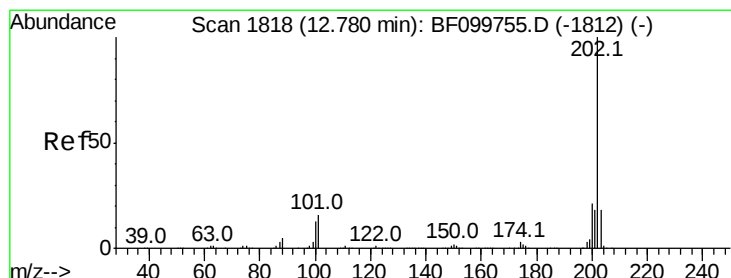
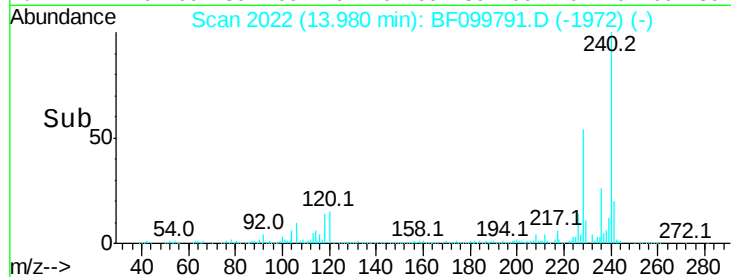
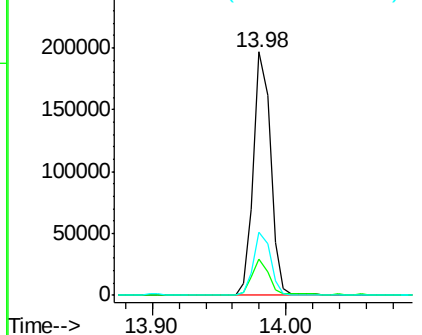
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 51.028 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF099791.D

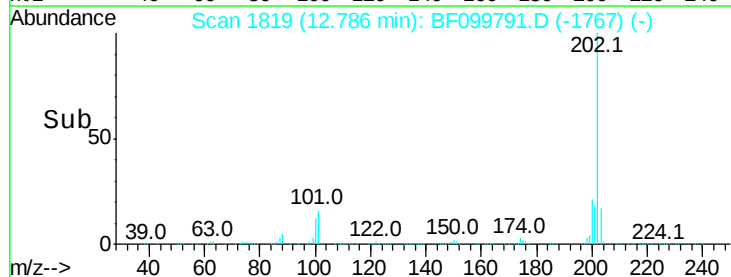
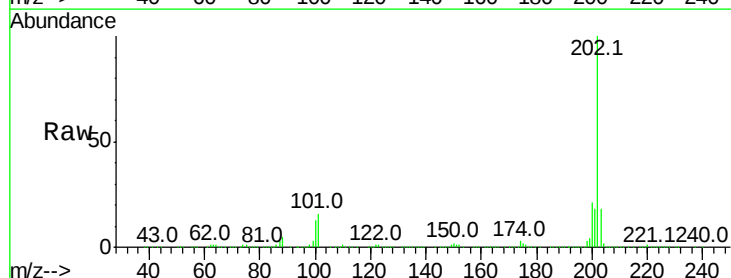
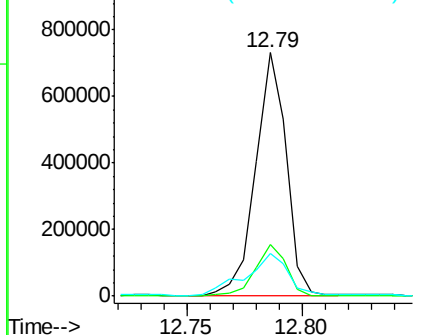
Acq: 24 Oct 2017 16:39

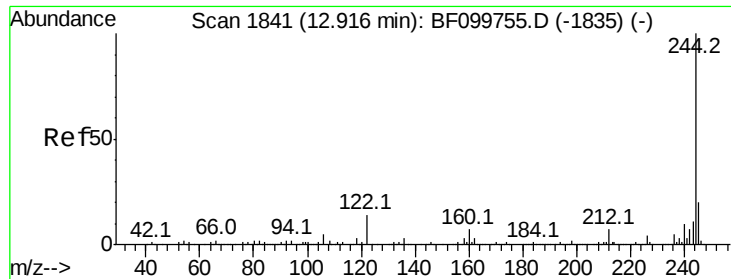
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.8	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





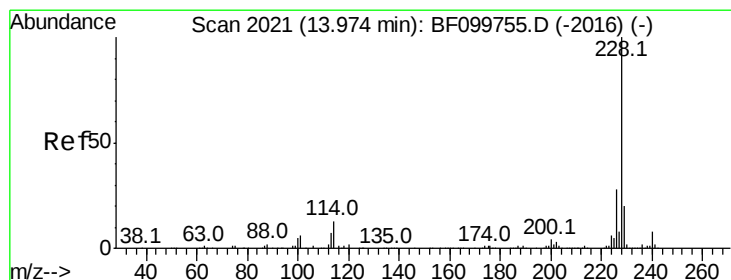
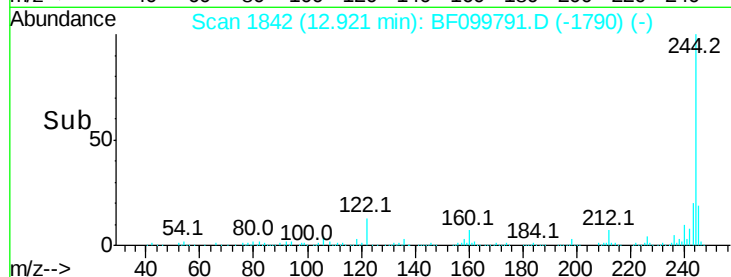
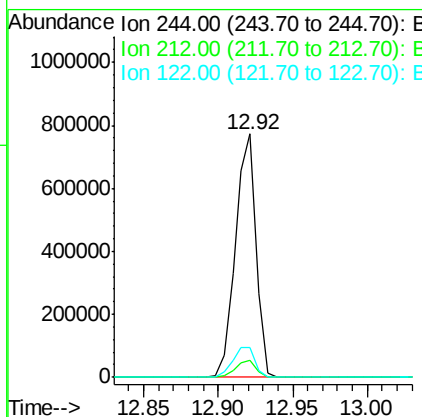
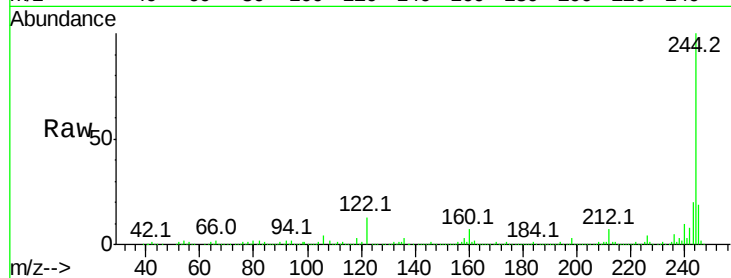
#78
 Terphenyl-d14
 Concen: 93.723 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BF099791.D
 Acq: 24 Oct 2017 16:39

Instrument :
 BNA_F
 ClientSampled :
 SB-02

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.5	11.0	16.4

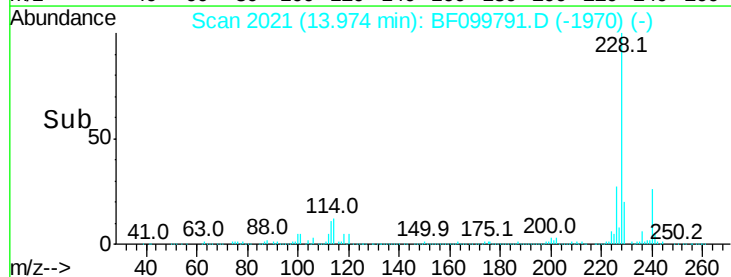
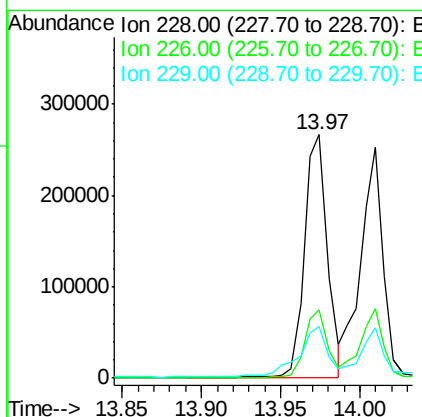
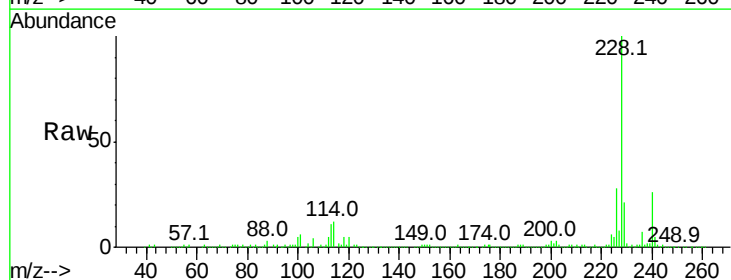
Manual Integrations
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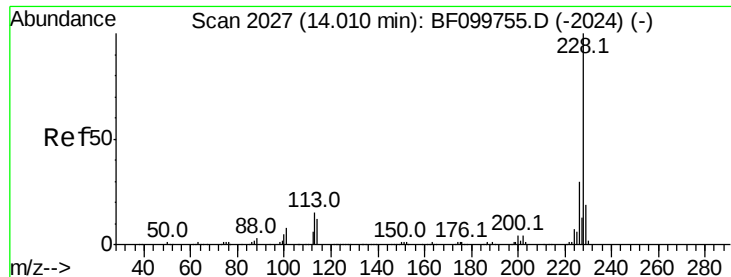
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#80
 Benzo(a)anthracene
 Concen: 24.020 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF099791.D
 Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.2	15.8	23.6





#82

Chrysene

Concen: 24.134 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF099791.D

Acq: 24 Oct 2017 16:39

Instrument :

BNA_F

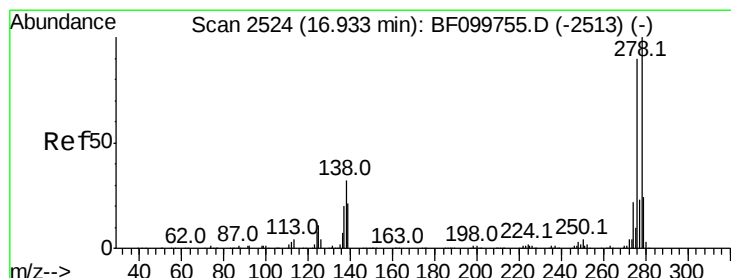
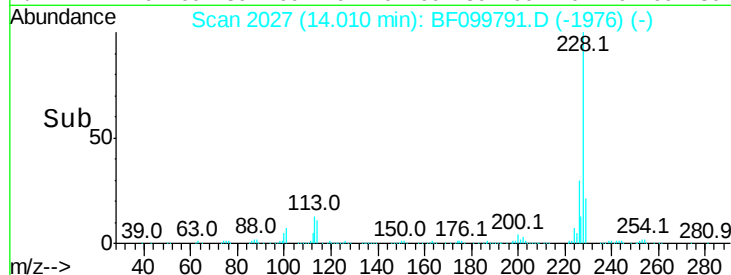
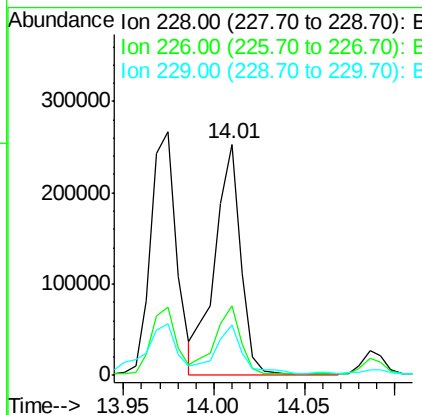
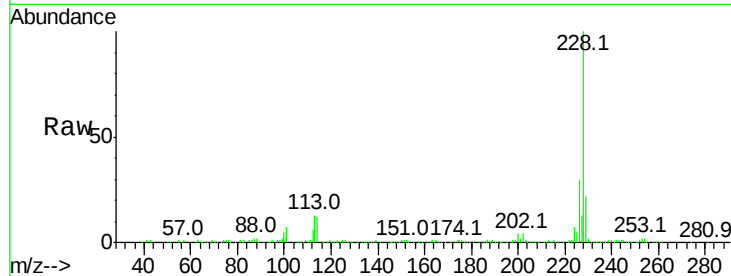
ClientSampled :

SB-02

Tot Ion:	228	Resp:	251471
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	21.7	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.141 ng

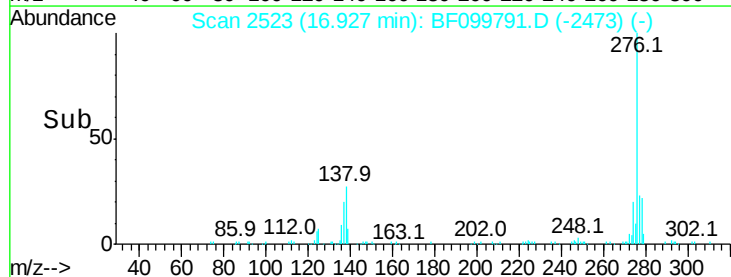
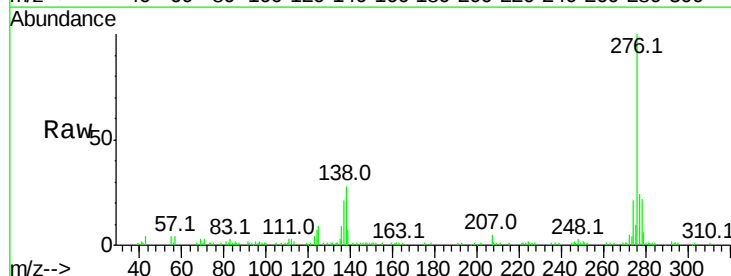
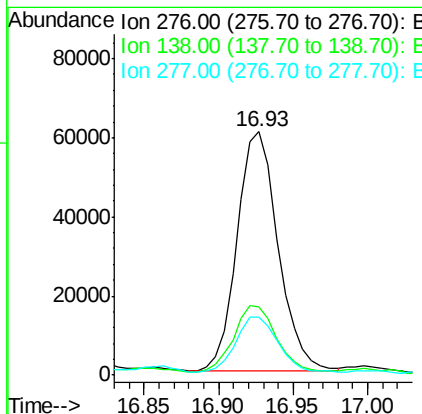
RT: 16.93 min Scan# 2523

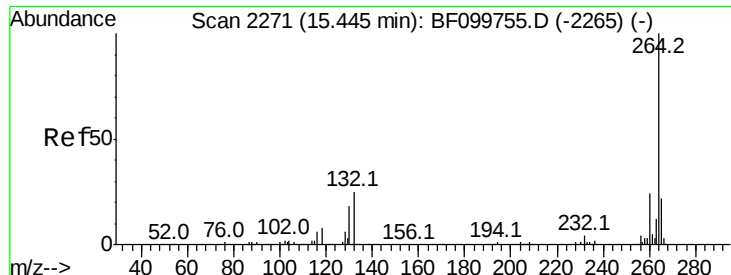
Delta R.T. -0.01 min

Lab File: BF099791.D

Acq: 24 Oct 2017 16:39

Tgt Ion:	276	Resp:	116137
Ion Ratio	Lower	Upper	
276	100		
138	30.3	25.0	37.6
277	24.0	20.1	30.1





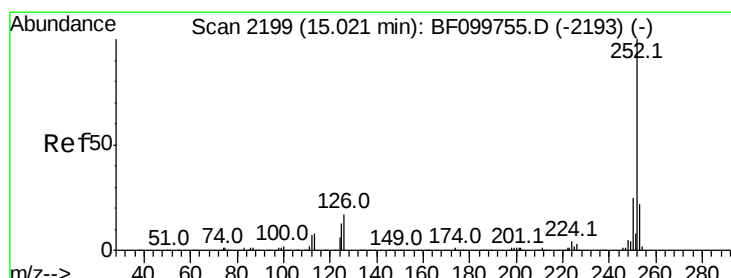
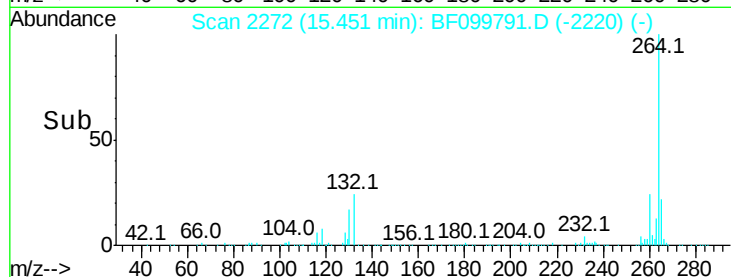
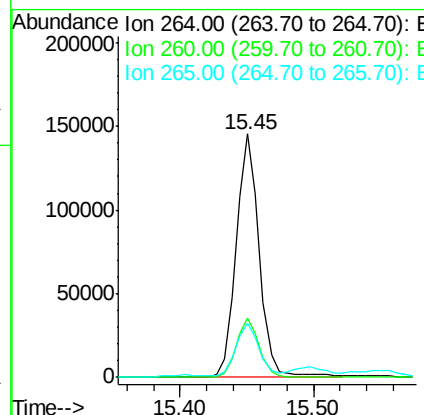
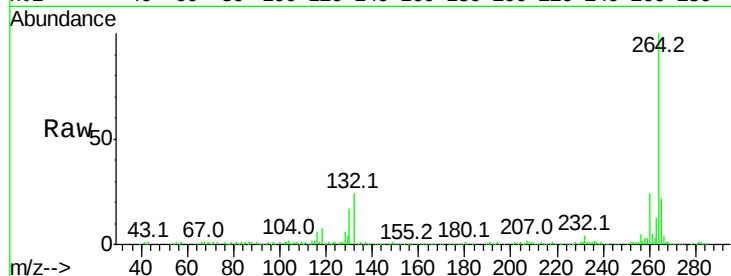
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Instrument :
BNA_F
ClientSampled :
SB-02

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.4	17.5	26.3

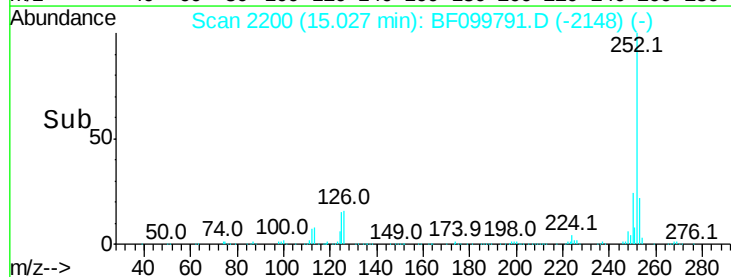
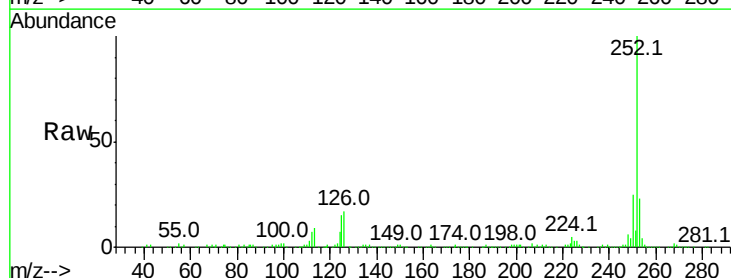
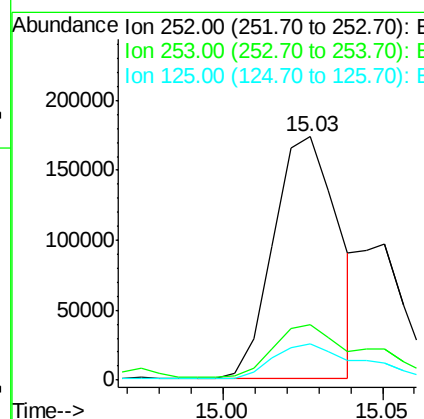
Manual Integrations
APPROVED

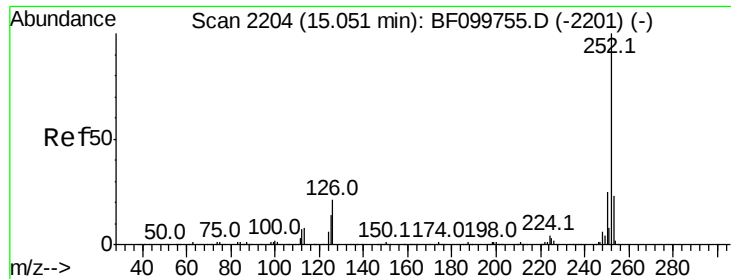
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#87
Benzo(b)fluoranthene
Concen: 22.192 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	15.1	9.0	13.6#





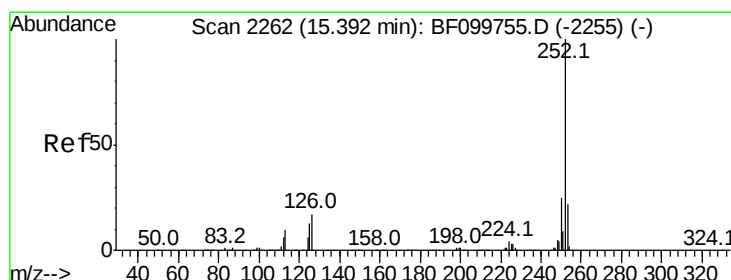
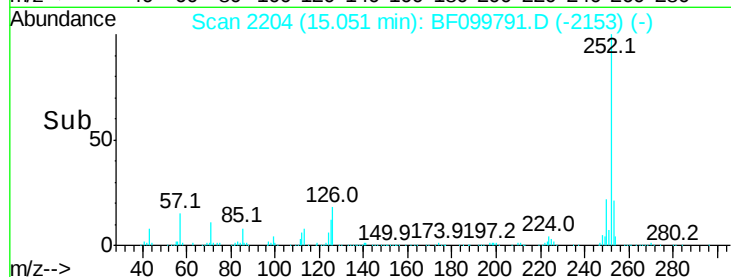
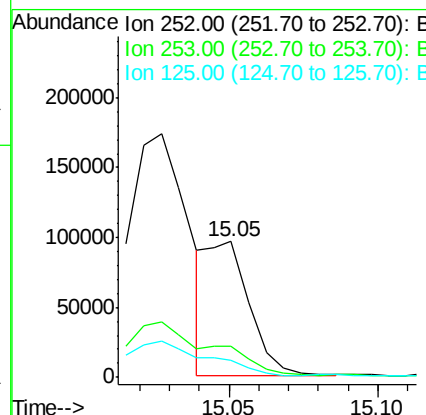
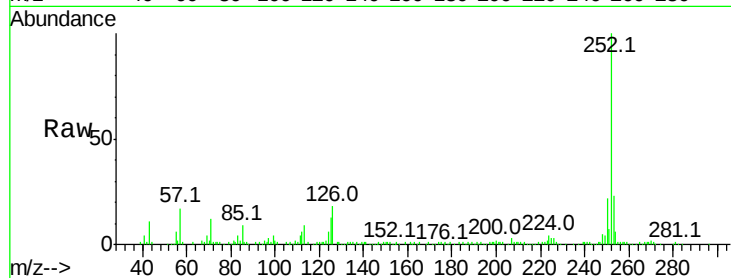
#88
Benzo(k)fluoranthene
Concen: 9.070 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Instrument :
BNA_F
ClientSampled :
SB-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	12.8	10.2	15.2

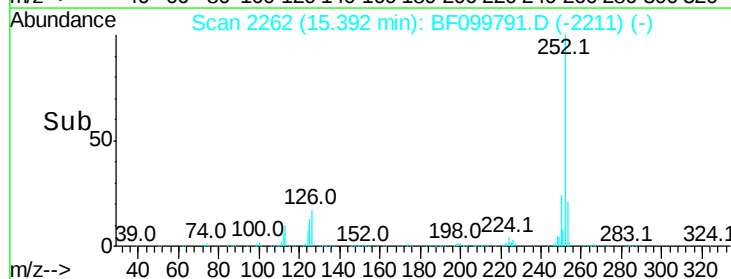
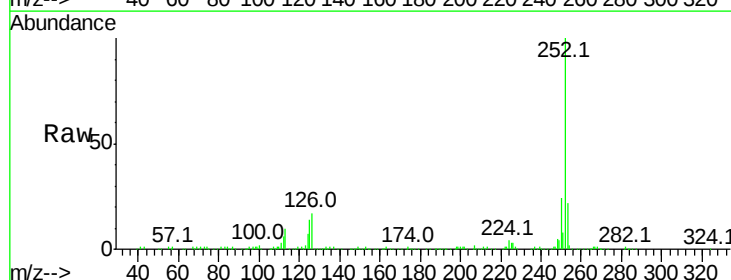
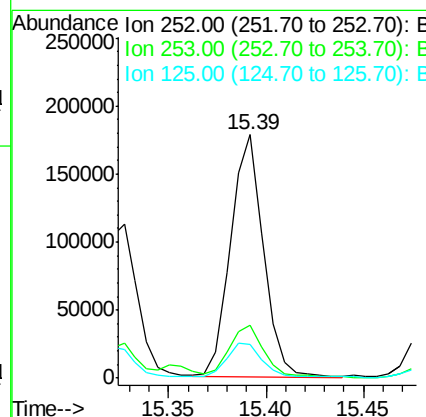
Manual Integrations
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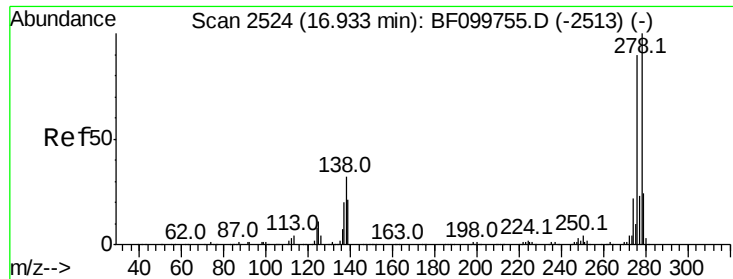
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#89
Benzo(a)pyrene
Concen: 21.157 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	14.0	9.8	14.6





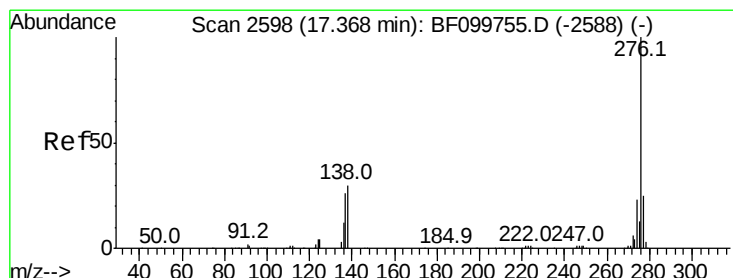
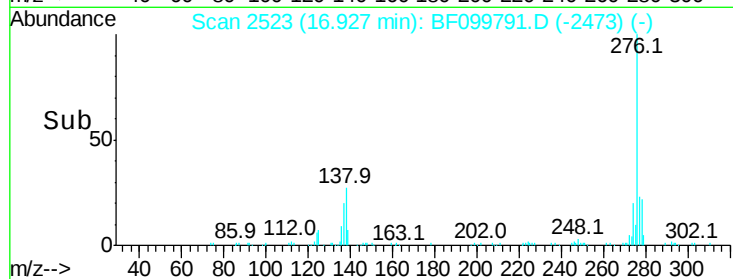
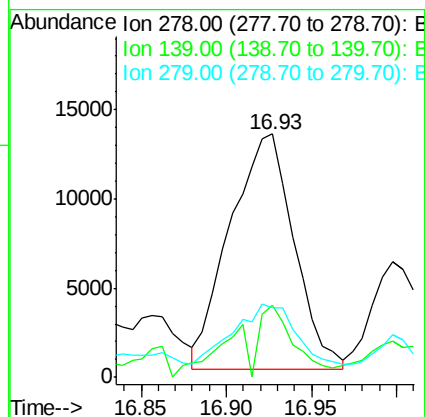
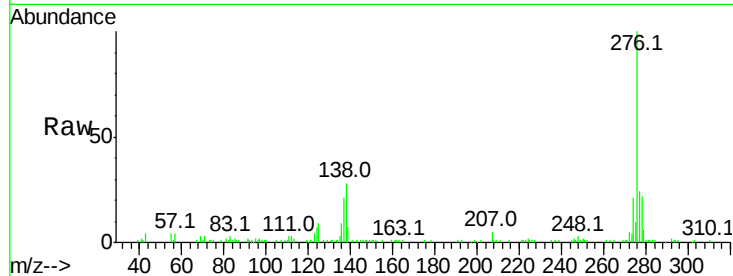
#90
Dibenzo(a,h)anthracene
Concen: 3.951 ng m
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Instrument :
BNA_F
ClientSampleId :
SB-02

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.8	15.9	23.9#
279	28.7	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 13.271 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BF099791.D
Acq: 24 Oct 2017 16:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	31.4	21.8	32.8

