

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108744.D
 Acq On : 4 Sep 2018 16:46
 Operator : JU/SJ
 Sample : J4712-06 4X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04

Manual Integrations
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Sohil
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Quant Time: Sep 05 04:20:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	76367	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	338369	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	165246	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	336281	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	262804	20.00	ng	-0.01
86) Perylene-d12	15.75	264	198570	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	44396m	10.10	ng	0.06
7) Phenol-d6	6.65	99	91379m	14.51	ng	0.00
23) Nitrobenzene-d5	7.60	82	46591	6.99	ng	0.02
41) 2,4,6-Tribromophenol	10.84	330	26648	12.22	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	139084	11.32	ng	-0.02
78) Terphenyl-d14	13.11	244	157403	11.64	ng	-0.02
Target Compounds						
48) Acenaphthylene	9.90	152	84193	5.106	ng	Qvalue 99
70) Phenanthrene	11.55	178	70180	4.135	ng	99
71) Anthracene	11.61	178	81990	4.597	ng	99
74) Fluoranthene	12.75	202	382064	19.997	ng	93
77) Pyrene	12.98	202	382439	19.359	ng	100
80) Benzo(a)anthracene	14.18	228	274781	17.151	ng	97
82) Chrysene	14.22	228	207333	13.457	ng	98
85) Indeno(1,2,3-cd)pyrene	17.37	276	163434	15.256	ng	# 82
87) Benzo(b)fluoranthene	15.28	252	341607m	28.005	ng	
88) Benzo(k)fluoranthene	15.31	252	119174m	9.862	ng	
89) Benzo(a)pyrene	15.68	252	243436m	22.084	ng	
90) Dibenzo(a,h)anthracene	17.37	278	35185	3.996	ng	# 93
91) Benzo(a,h,i)perylene	17.87	276	143501	16.770	ng	# 86

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

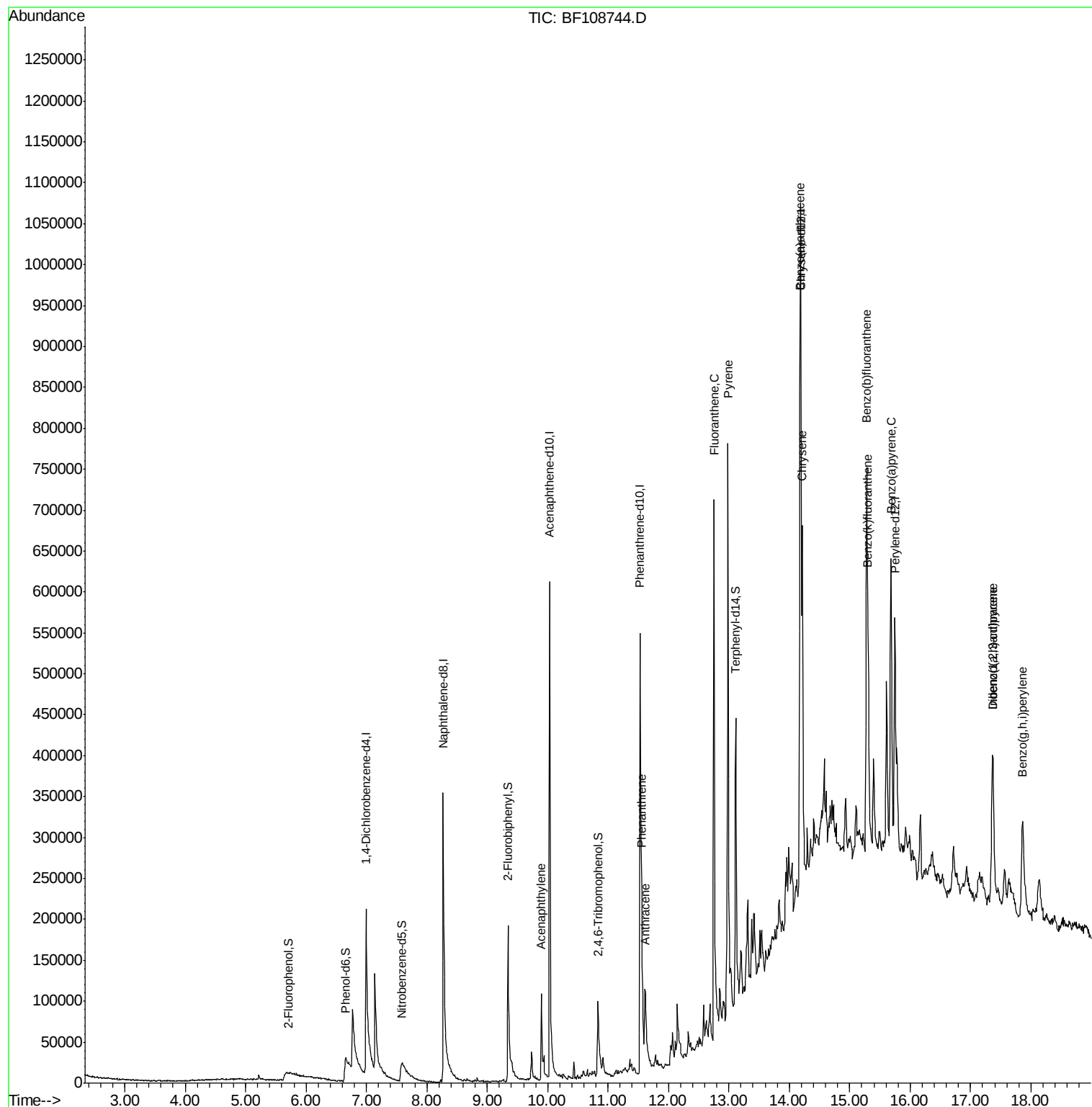
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108744.D
Acq On : 4 Sep 2018 16:46
Operator : JU/SJ
Sample : J4712-06 4X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.00 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF108744.D

Acq: 4 Sep 2018 16:46

Instrument :

BNA_F

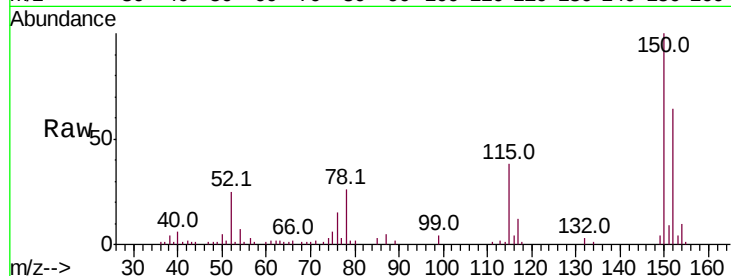
ClientSampled :

SB-04

Tot Ion:	152	Resp:	76367
Ion Ratio	Lower	Upper	
152	100		
150	156.2	124.6	186.8
115	59.3	50.1	75.1

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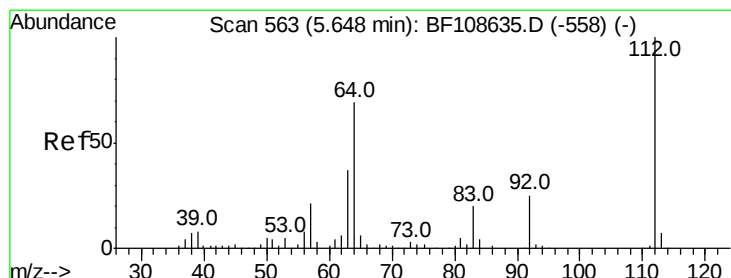
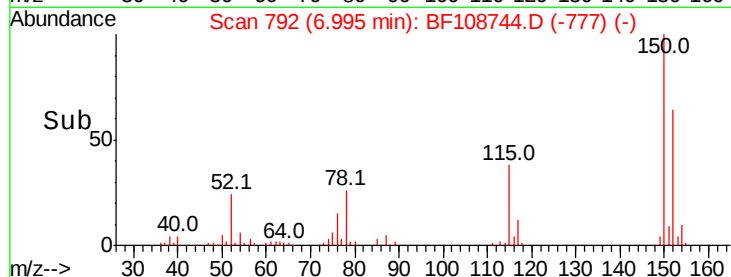
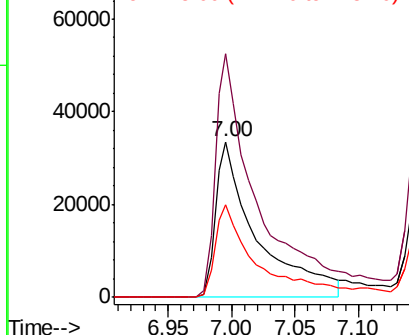


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 10.099 ng m

RT: 5.71 min Scan# 573

Delta R.T. 0.06 min

Lab File: BF108744.D

Acq: 4 Sep 2018 16:46

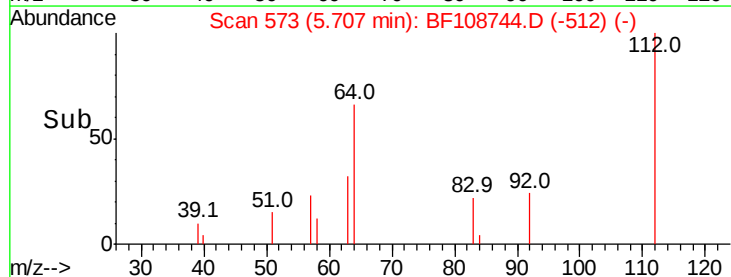
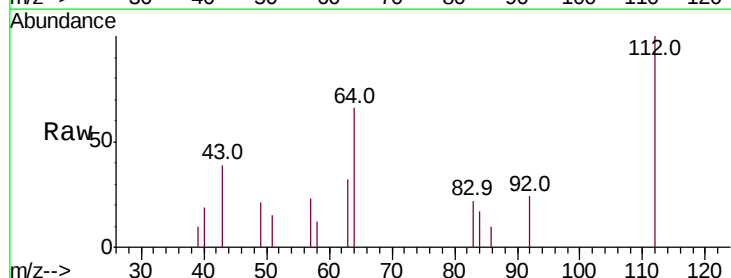
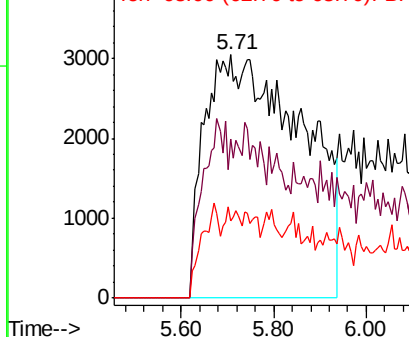
Tgt Ion:	112	Resp:	44396
Ion Ratio	Lower	Upper	
112	100		
64	65.6	47.9	71.9
63	31.9	23.7	35.5

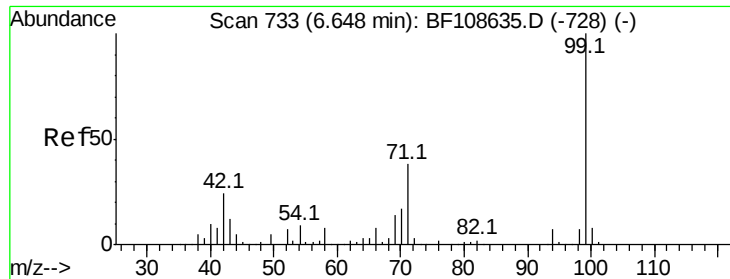
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

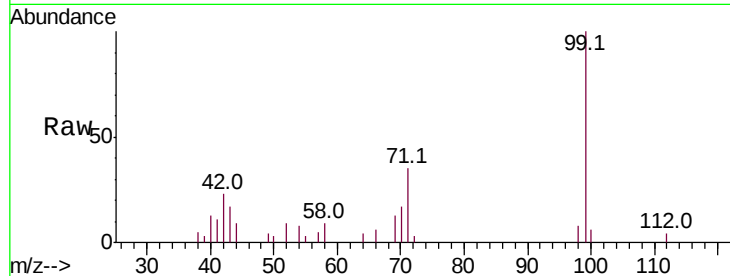
Concen: 14.513 ng/ml
 RT: 6.65 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: BF108744.D
 Acq: 4 Sep 2018 16:46

Instrument :
 BNA_F
 ClientSampled :
 SB-04

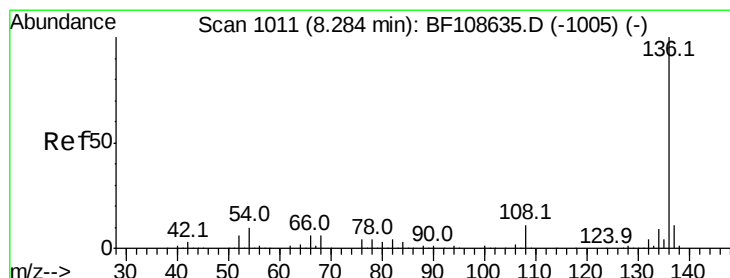
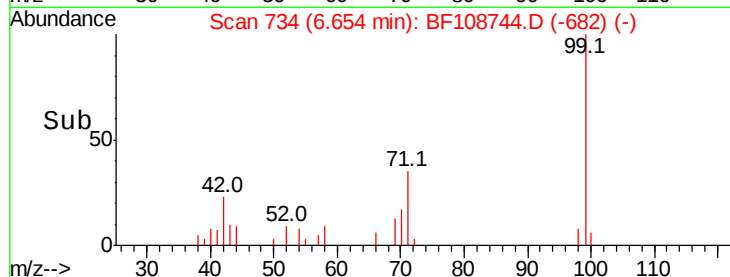
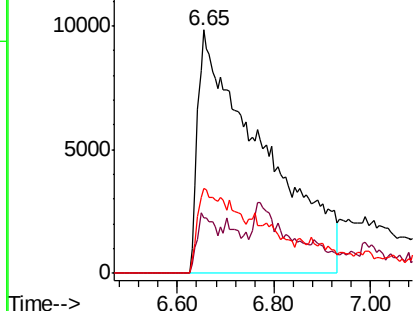
Tot Ion	Ratio	Lower	Upper
99	100		
42	22.8	14.5	21.7#
71	34.8	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
 Ion 42.00 (41.70 to 42.70): BF1
 Ion 71.00 (70.70 to 71.70): BF1



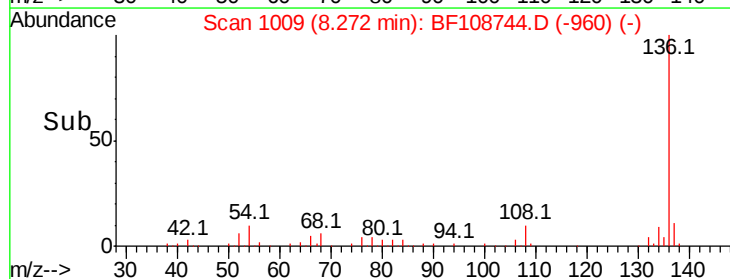
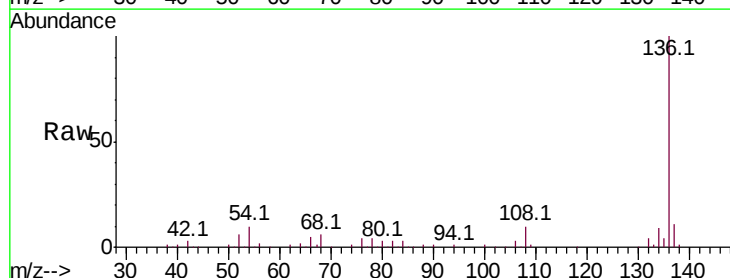
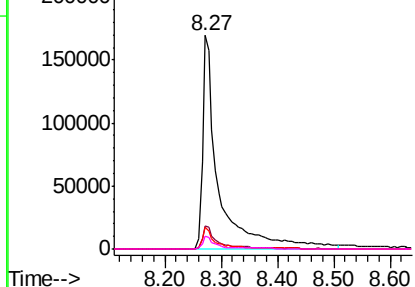
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.27 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF108744.D
 Acq: 4 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.3	6.6	9.8#
68	6.0	5.0	7.4

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





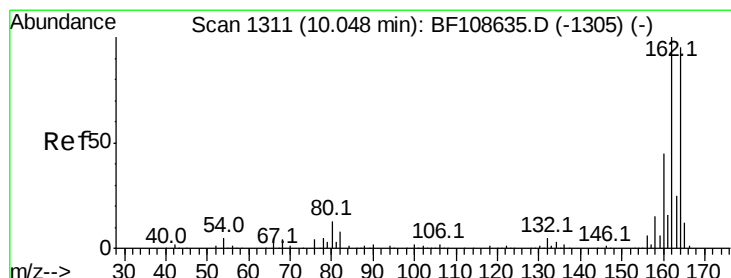
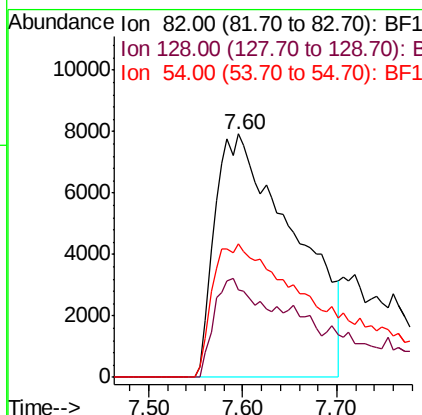
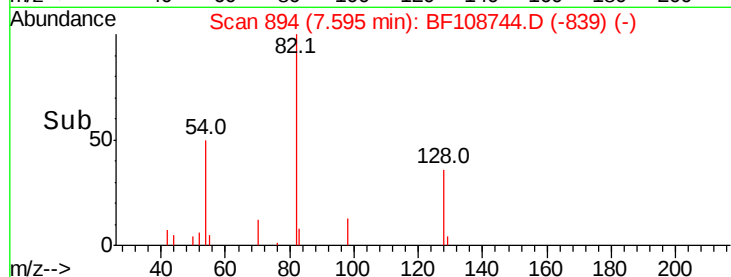
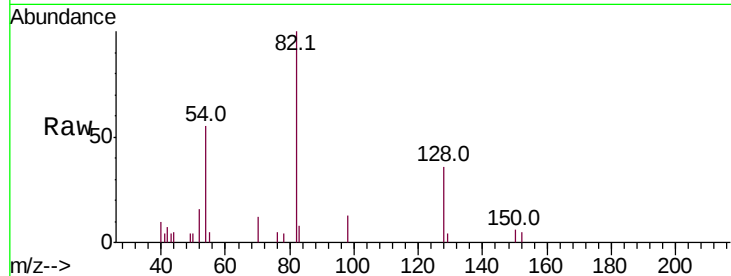
#23
Nitrobenzene-d5
Concen: 6.989 ng
RT: 7.60 min Scan# 894
Delta R.T. 0.02 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Instrument :
BNA_F
ClientSampled :
SB-04

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.7	36.1	54.1#
54	54.7	41.4	62.2

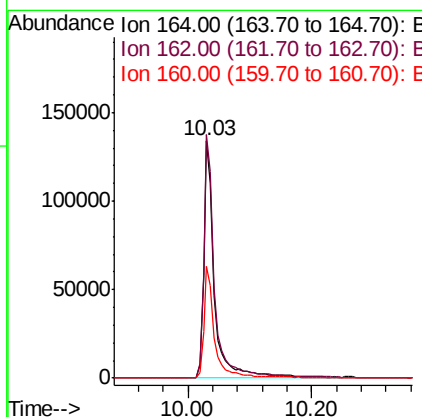
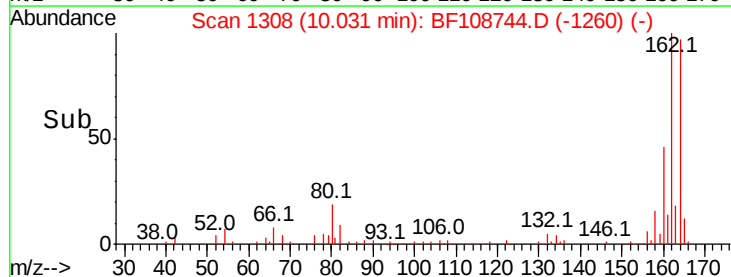
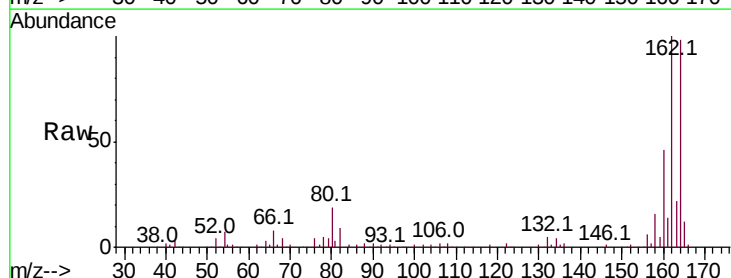
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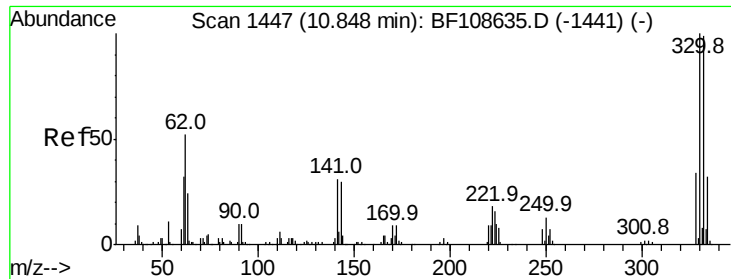
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	47.1	38.3	57.5





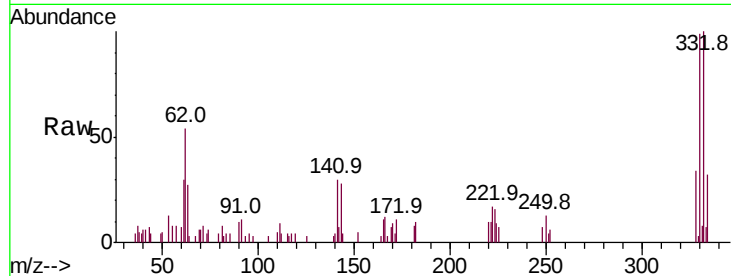
#41
 2,4,6-Tribromophenol
 Concen: 12.216 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108744.D
 Acq: 4 Sep 2018 16:46

Instrument :
 BNA_F
 ClientSampled :
 SB-04

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	30.8	29.9	44.9

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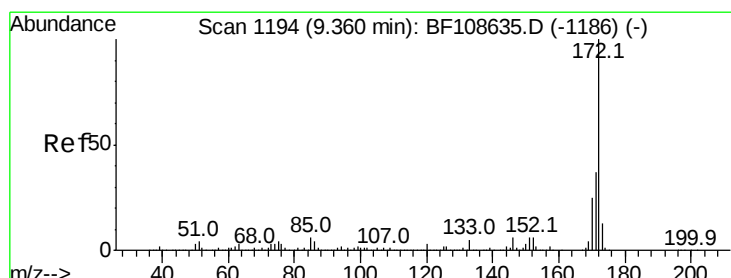
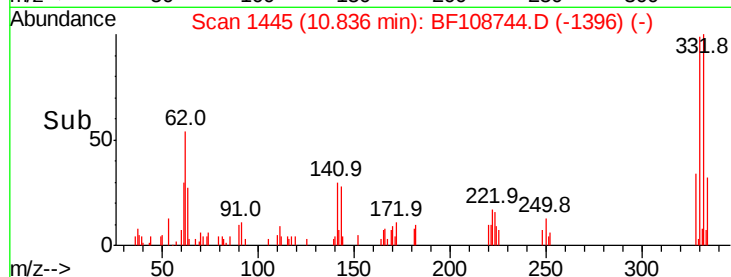
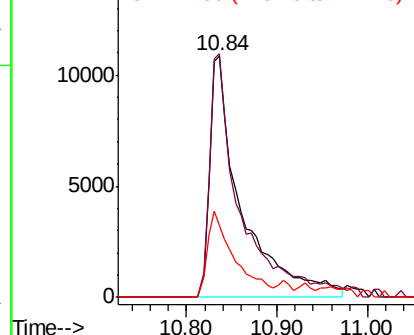


Abundance

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: 11.317 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108744.D
 Acq: 4 Sep 2018 16:46

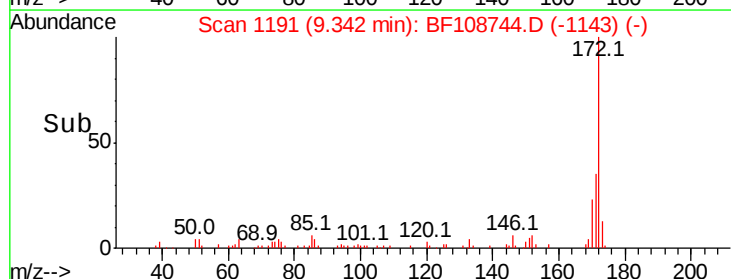
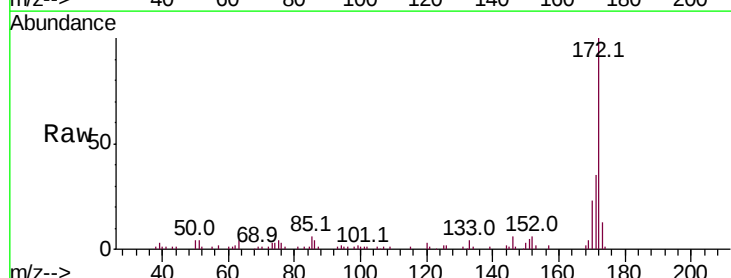
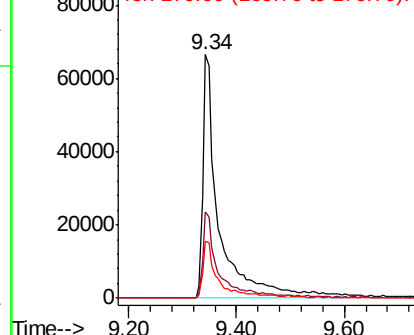
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.2	19.6	29.4

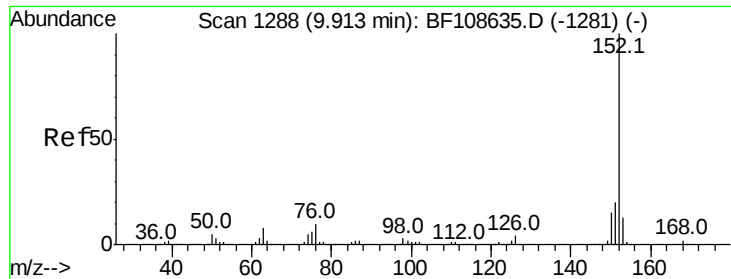
Abundance

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





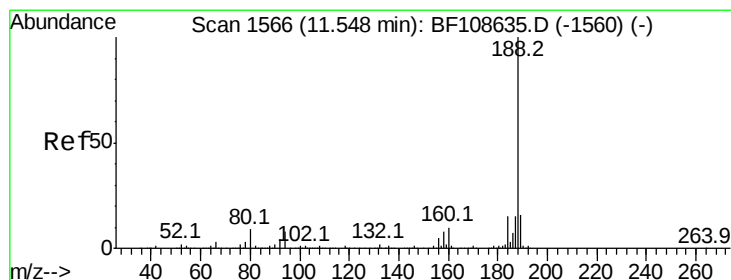
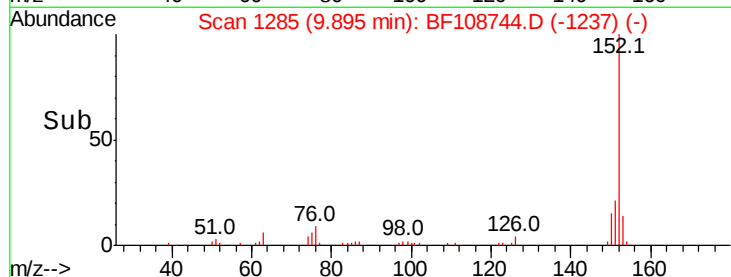
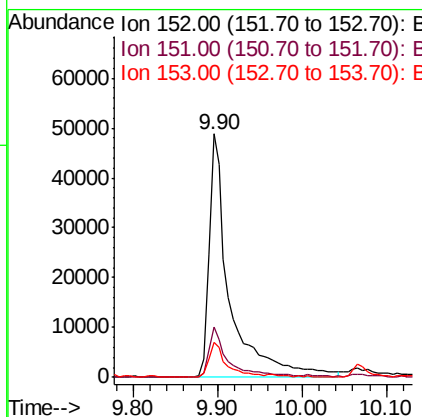
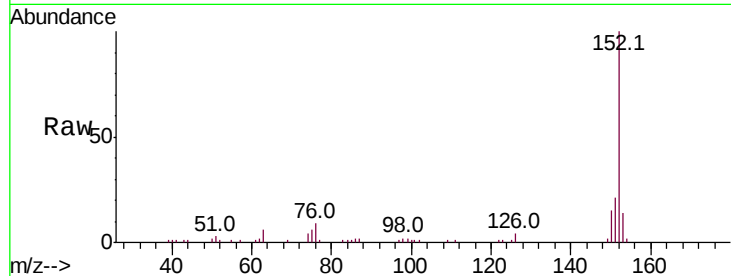
#48
Acenaphthylene
Concen: 5.106 ng
RT: 9.90 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Instrument :
BNA_F
ClientSampled :
SB-04

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	14.3	10.7	16.1

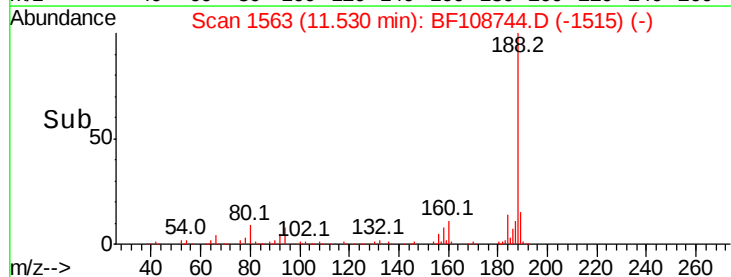
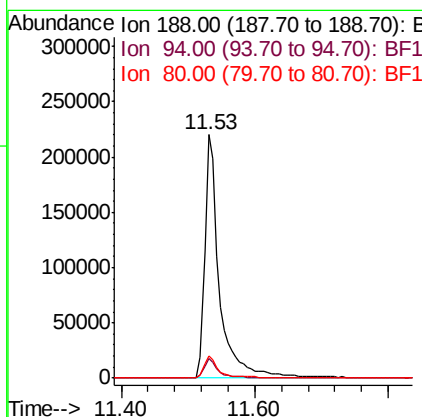
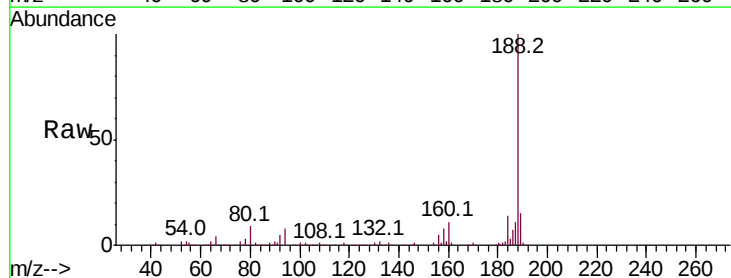
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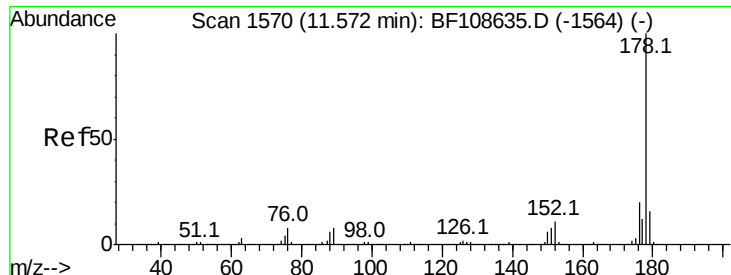
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.3	9.2	13.8





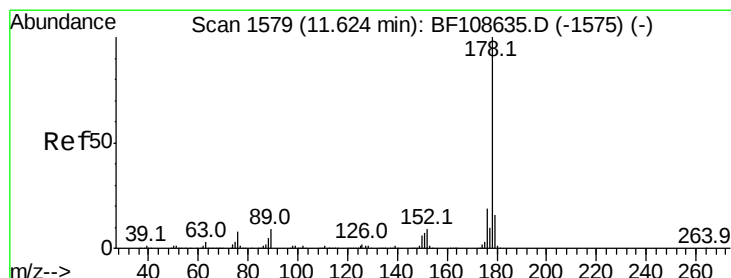
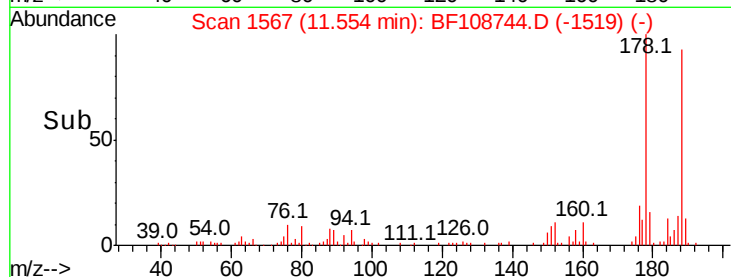
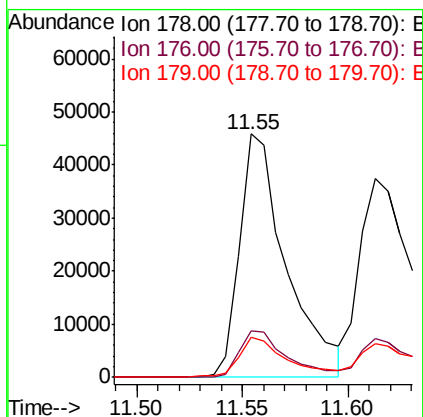
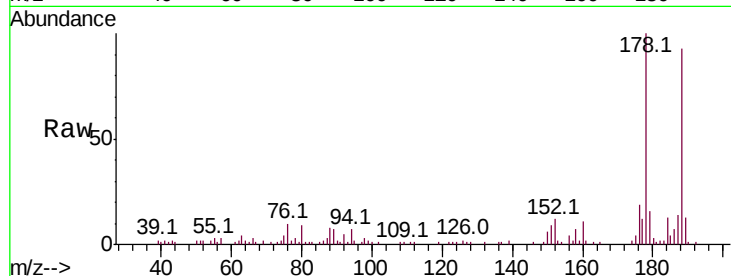
#70
Phenanthrene
Concen: 4.135 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Instrument :
BNA_F
ClientSampled :
SB-04

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.4	13.0	19.6

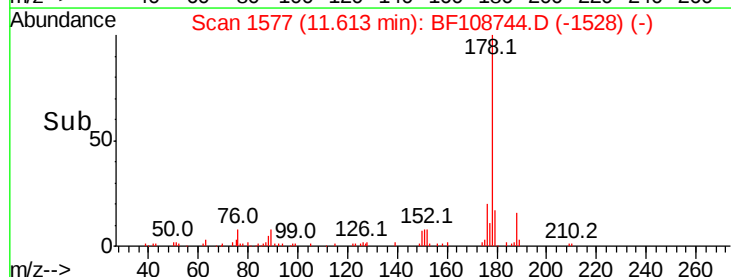
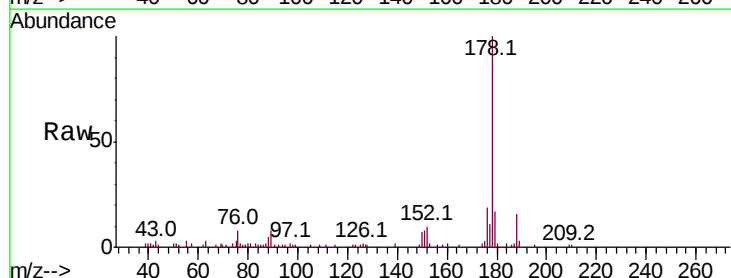
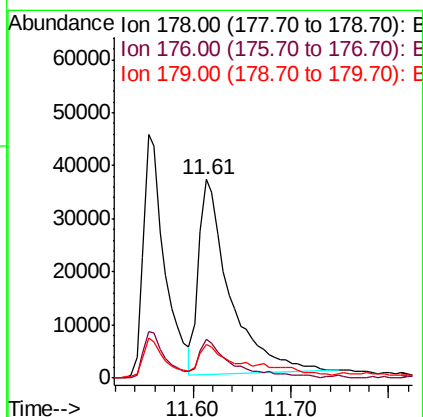
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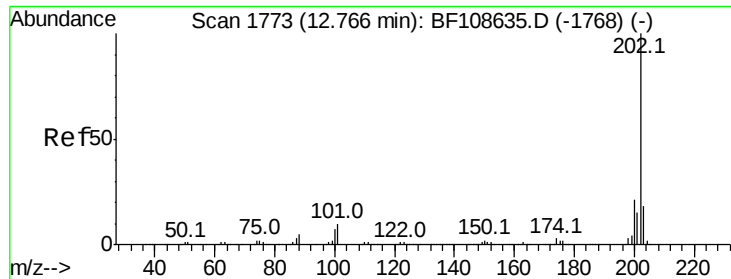
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#71
Anthracene
Concen: 4.597 ng
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.7	12.6	19.0





#74

Fluoranthene

Concen: 19.997 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108744.D

Acq: 4 Sep 2018 16:46

Instrument :

BNA_F

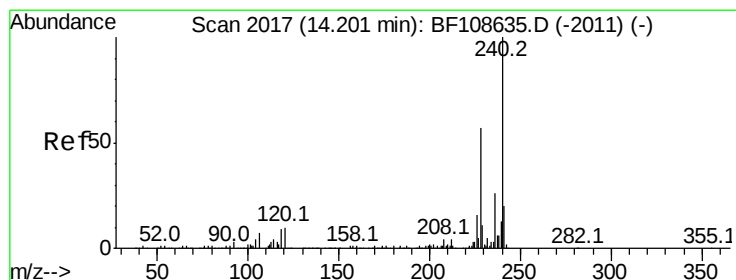
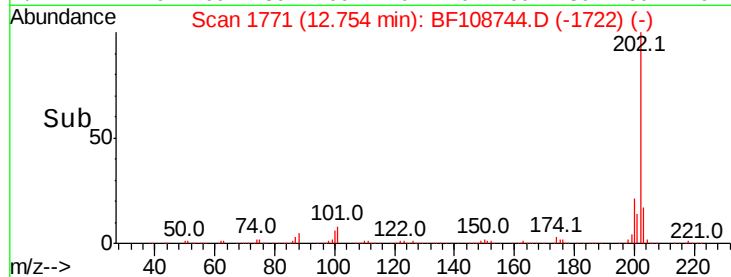
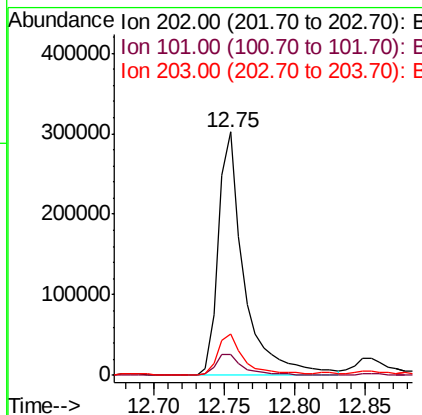
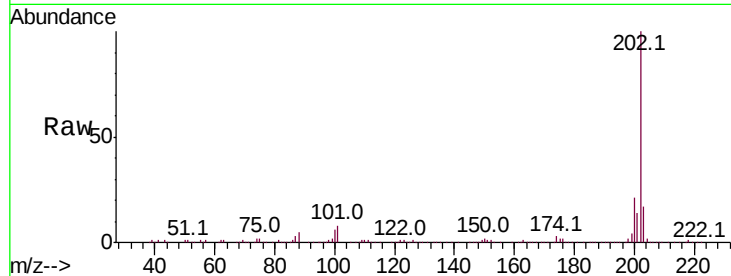
ClientSampleId :

SB-04

Tot Ion:	202	Resp:	382064
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	34.1
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

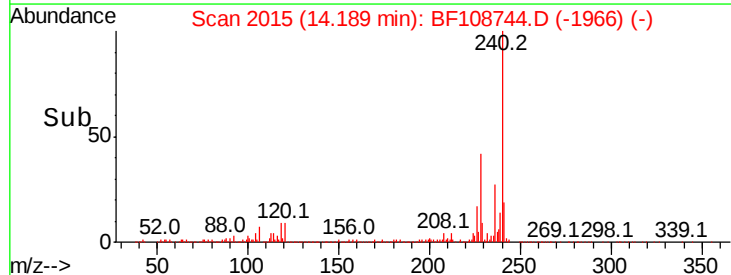
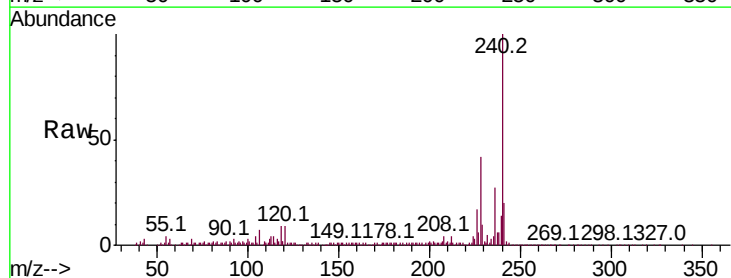
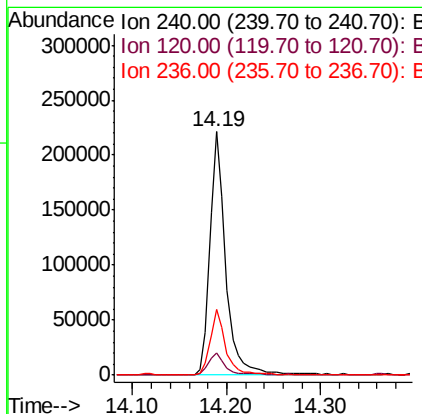
RT: 14.19 min Scan# 2015

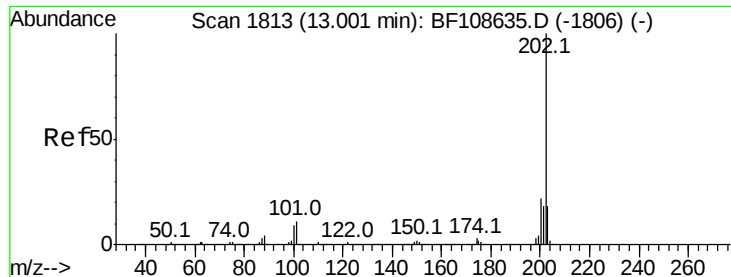
Delta R.T. -0.01 min

Lab File: BF108744.D

Acq: 4 Sep 2018 16:46

Tgt Ion:	240	Resp:	262804
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.5	14.3#
236	27.0	20.7	31.1





#77

Pvrene

Concen: 19.359 ng

RT: 12.98 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF108744.D

Acq: 4 Sep 2018 16:46

Instrument :

BNA_F

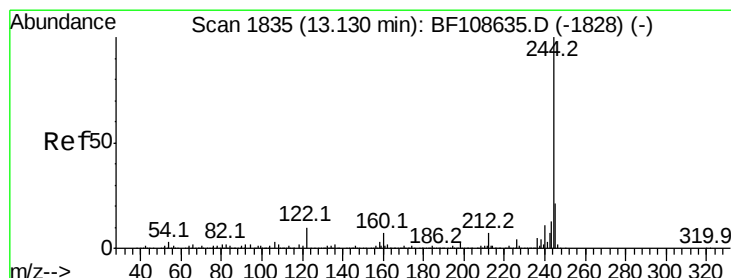
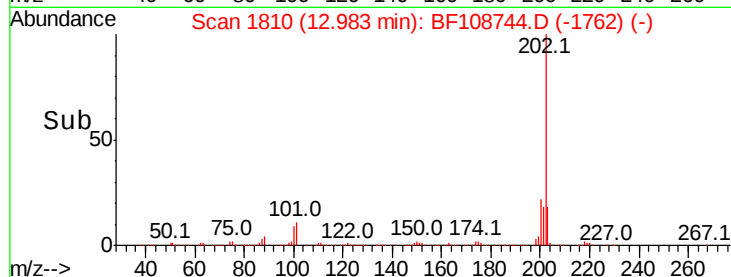
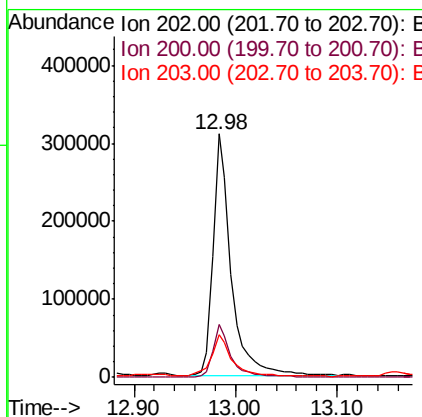
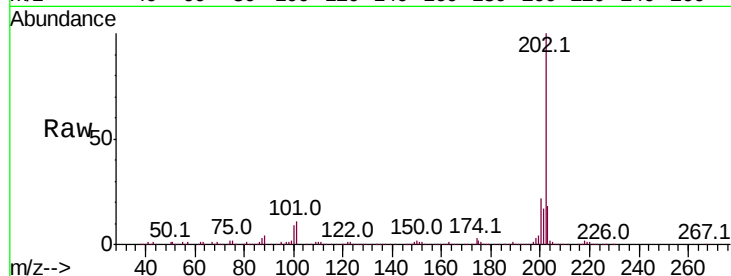
ClientSampled :

SB-04

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

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#78

Terphenyl-d14

Concen: 11.637 ng

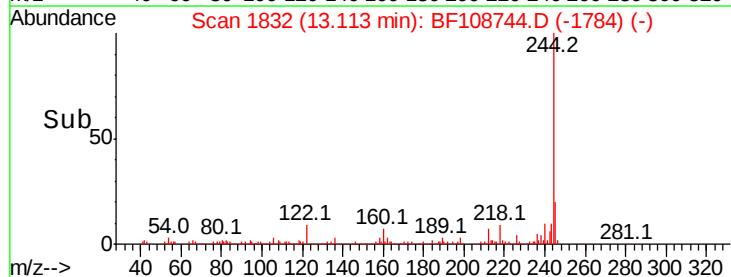
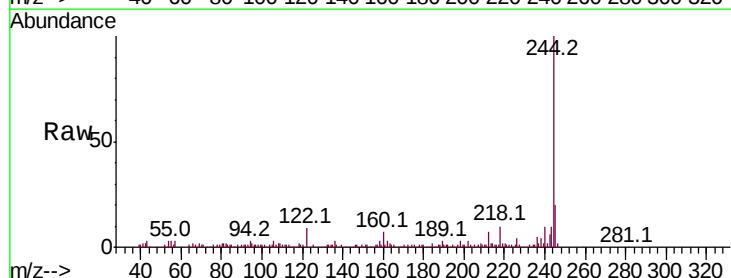
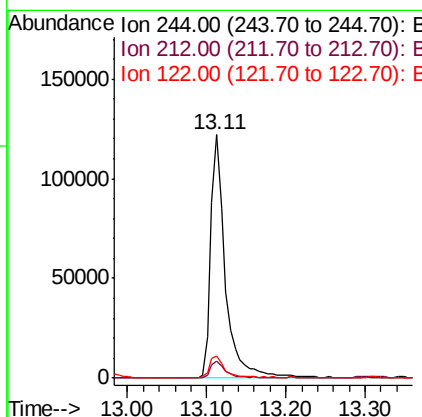
RT: 13.11 min Scan# 1832

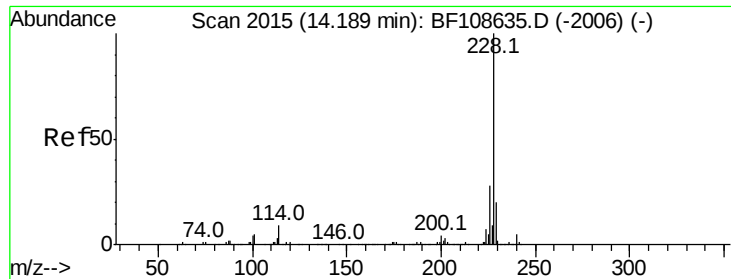
Delta R.T. -0.02 min

Lab File: BF108744.D

Acq: 4 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	9.2	11.0	16.4#





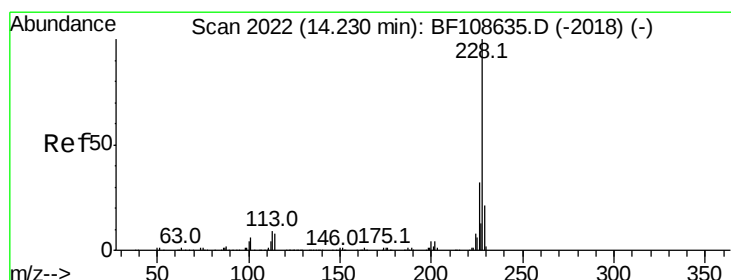
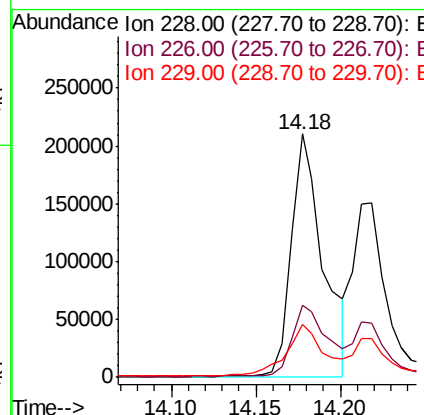
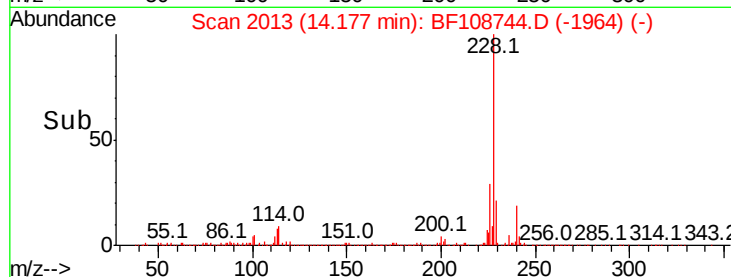
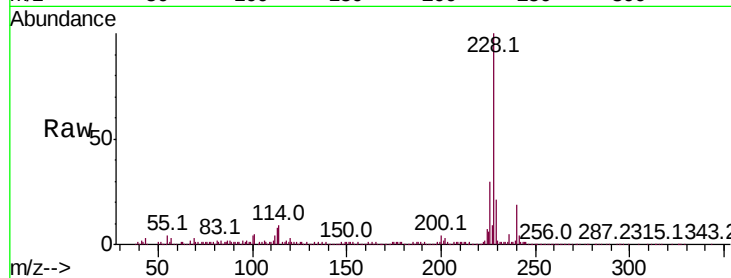
#80
Benzo(a)anthracene
Concen: 17.151 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Instrument :
BNA_F
ClientSampled :
SB-04

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.5	15.8	23.6

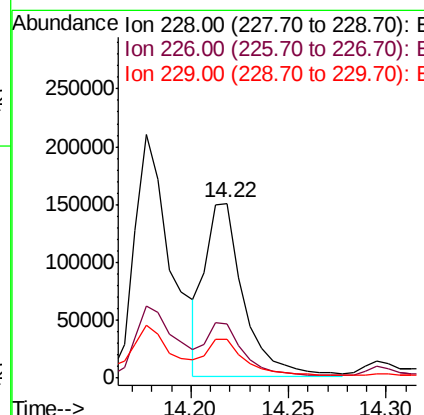
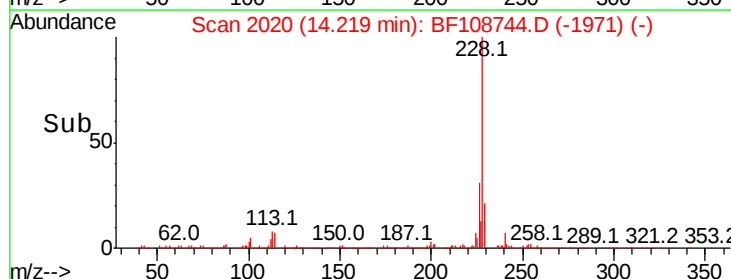
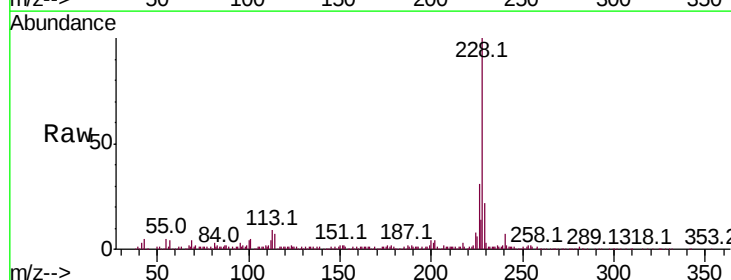
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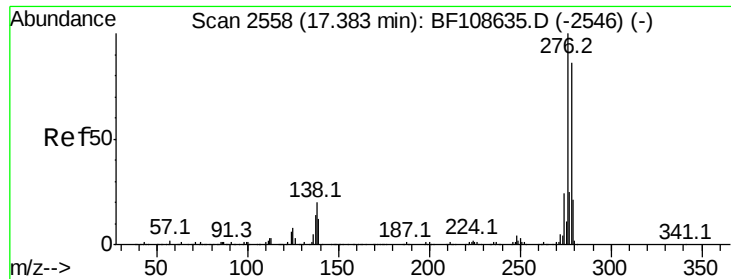
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#82
Chrysene
Concen: 13.457 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.2	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.256 ng

RT: 17.37 min Scan# 2555

Delta R.T. -0.02 min

Lab File: BF108744.D

Acq: 4 Sep 2018 16:46

Instrument :

BNA_F

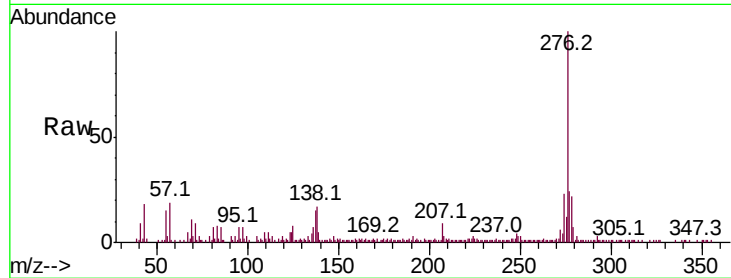
ClientSampled :

SB-04

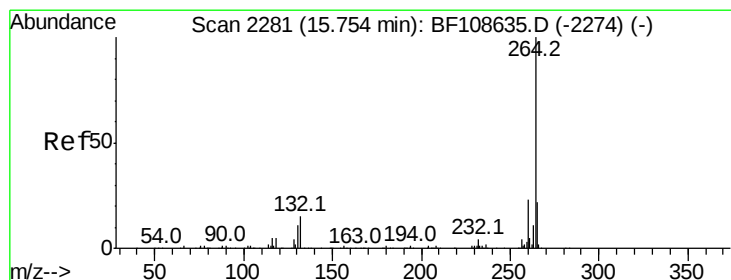
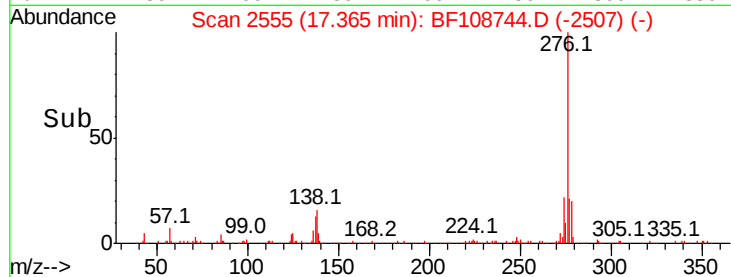
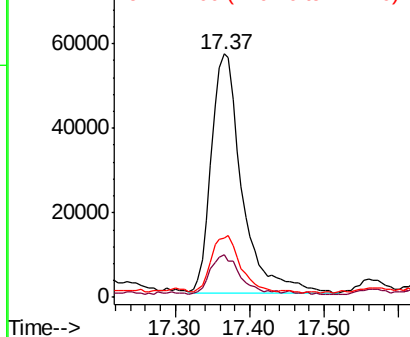
Tot Ion:	276	Resp:	163434
Ion Ratio	Lower	Upper	
276	100		
138	15.7	25.0	37.6#
277	22.9	20.1	30.1

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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



#86

Perylene-d12

Concen: 20.000 ng

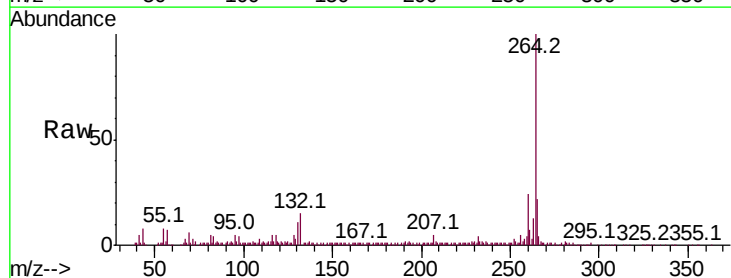
RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

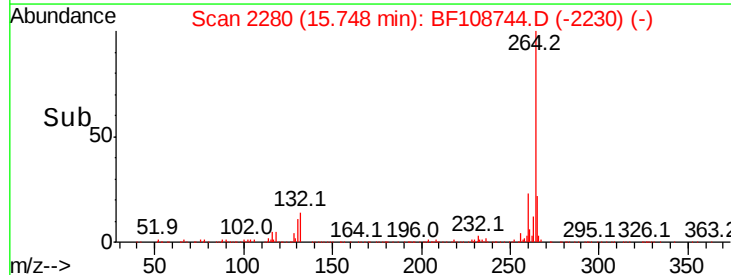
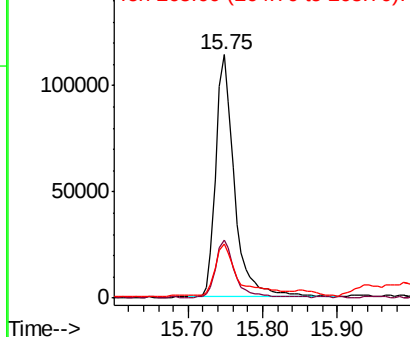
Lab File: BF108744.D

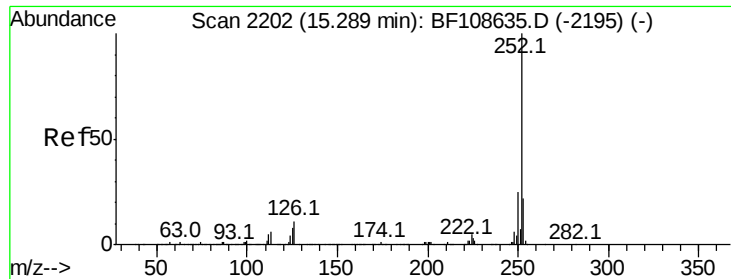
Acq: 4 Sep 2018 16:46

Tgt Ion:	264	Resp:	198570
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	22.5	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





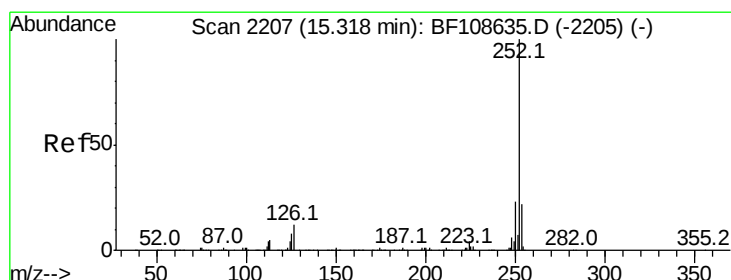
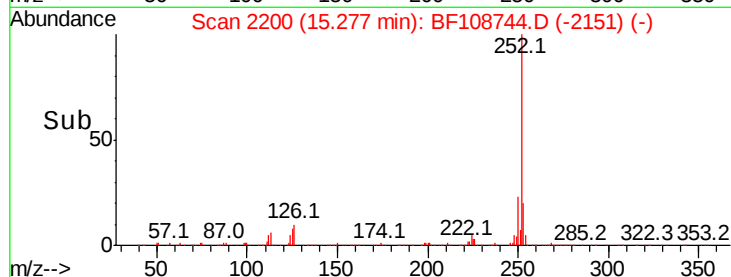
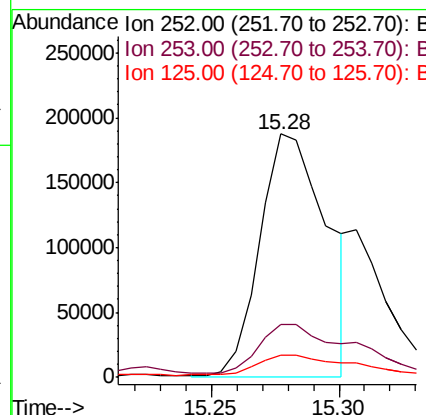
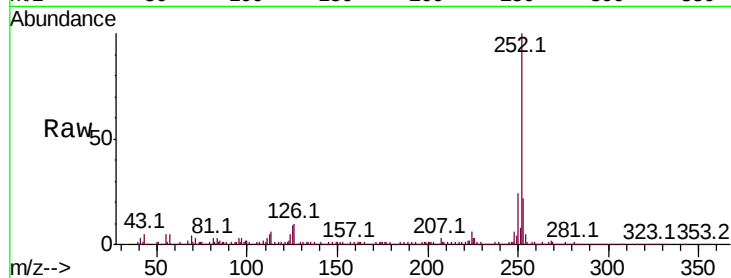
#87
Benzo(b)fluoranthene
Concen: 28.005 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Instrument :
BNA_F
ClientSampled :
SB-04

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	9.2	9.0	13.6

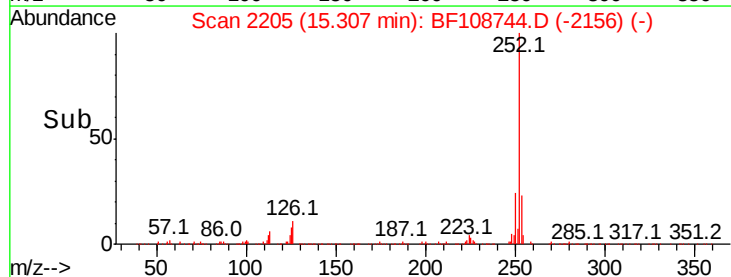
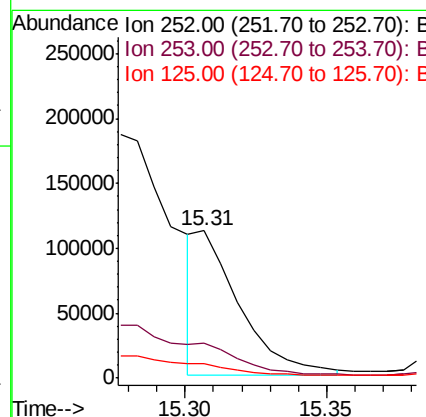
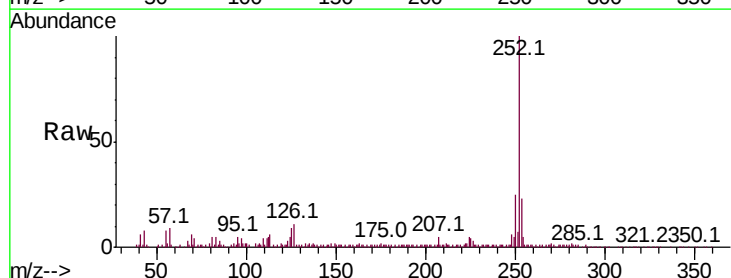
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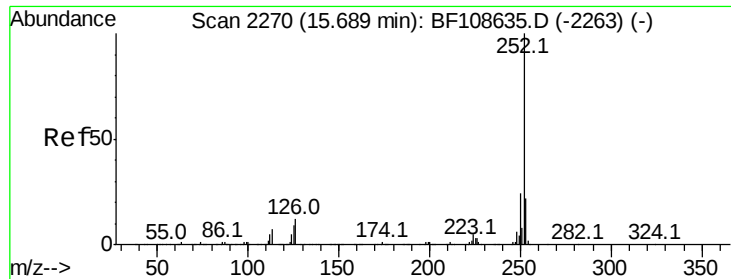
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#88
Benzo(k)fluoranthene
Concen: 9.862 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	9.5	10.2	15.2#





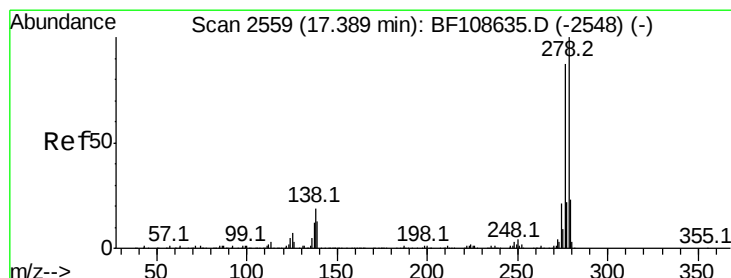
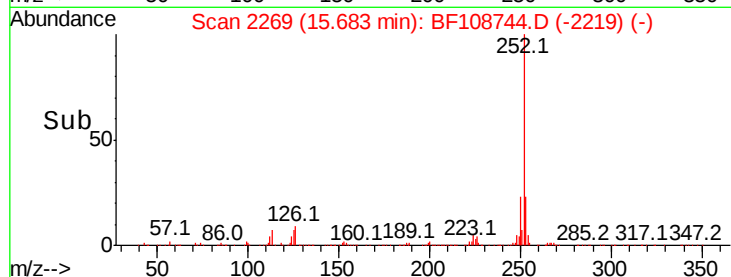
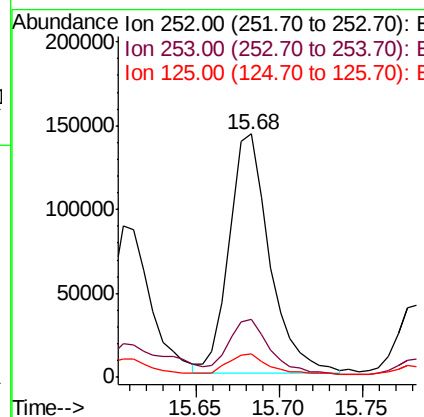
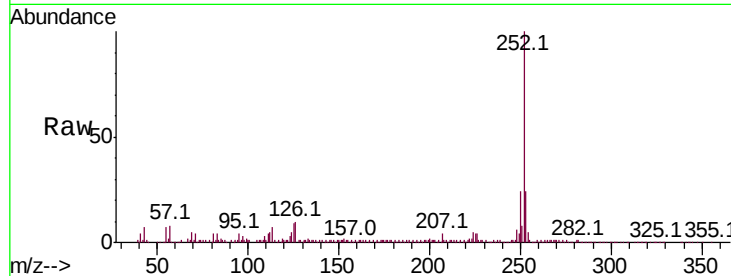
#89
Benzo(a)pyrene
Concen: 22.084 ng/ml
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Instrument :
BNA_F
Client Sampled :
SB-04

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	9.4	9.8	14.6

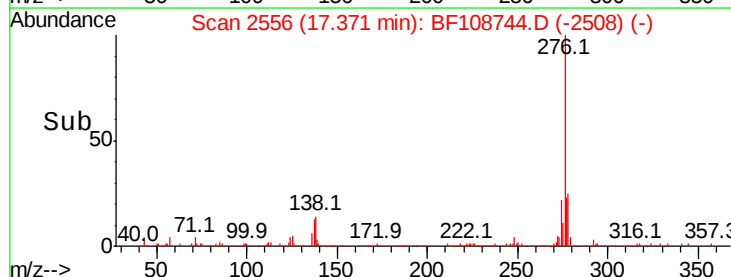
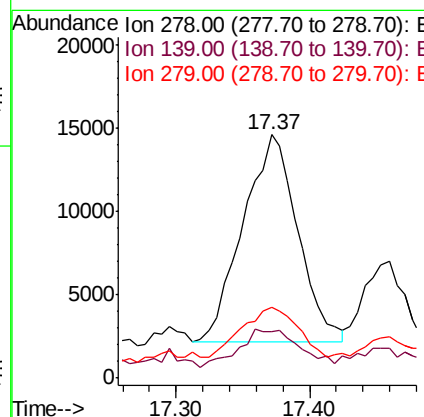
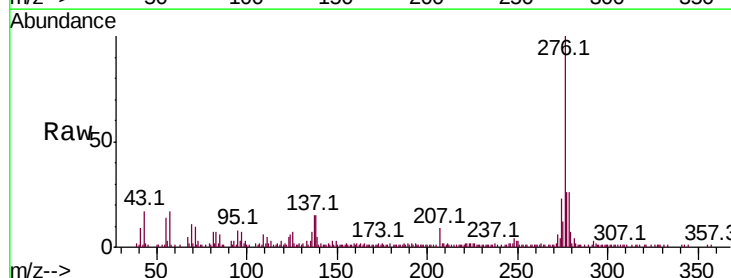
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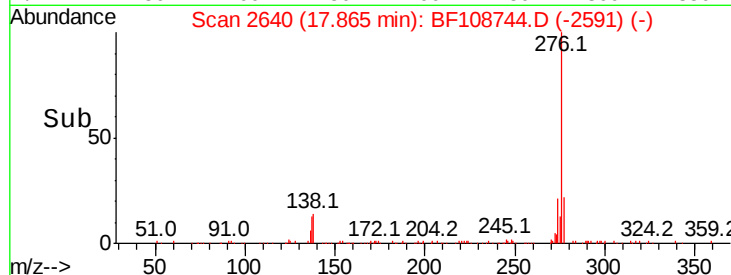
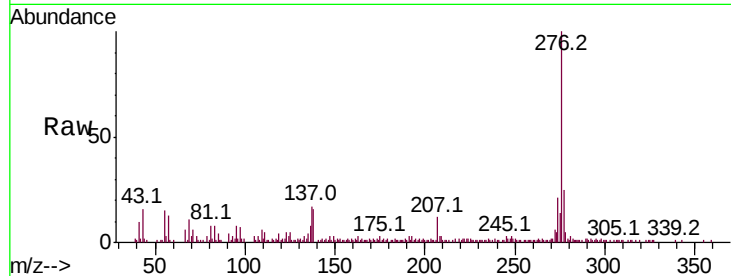
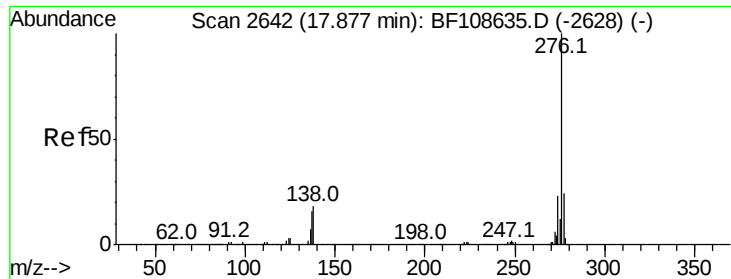
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#90
Dibenzo(a,h)anthracene
Concen: 3.996 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.02 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	15.9	23.9
279	28.9	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 16.770 ng
RT: 17.87 min Scan# 2640
Delta R.T. -0.01 min
Lab File: BF108744.D
Acq: 4 Sep 2018 16:46

Instrument :
BNA_F
ClientSampleId :
SB-04

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	16.3	21.8	32.8

Manual Integrations
APPROVED

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