

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
 Data File : BF108795.D
 Acq On : 6 Sep 2018 00:49
 Operator : JU/SJ
 Sample : J4791-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-#11

Manual Integrations
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 9/6/2018 4:45:11 PM

Quant Time: Sep 06 11:09:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	280931	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	1043179	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	434390	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	730619	20.00	ng	0.00
75) Chrysene-d12	13.87	240	600555	20.00	ng	0.00
86) Perylene-d12	15.27	264	475169	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	252206	14.87	ng	0.00
7) Phenol-d6	6.35	99	333843	15.30	ng	-0.01
23) Nitrobenzene-d5	7.29	82	170974	10.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	50495	12.18	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	364702	14.32	ng	0.00
78) Terphenyl-d14	12.82	244	308340	11.97	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	99970	3.290	ng	98
57) Fluorene	10.31	166	53385	2.288	ng	99
70) Phenanthrene	11.27	178	542278	15.542	ng	99
71) Anthracene	11.31	178	165175	4.945	ng	99
74) Fluoranthene	12.45	202	802397	23.228	ng	98
77) Pyrene	12.67	202	745283	16.128	ng	99
80) Benzo(a)anthracene	13.85	228	386110	10.030	ng	95
82) Chrysene	13.89	228	323249	8.674	ng	97
85) Indeno(1,2,3-cd)pyrene	16.61	276	149882m	4.545	ng	
87) Benzo(b)fluoranthene	14.87	252	365973m	14.164	ng	
88) Benzo(k)fluoranthene	14.89	252	103085m	4.332	ng	
89) Benzo(a)pyrene	15.21	252	245972	10.551	ng	# 95
91) Benzo(a,h,i)perylene	17.02	276	141762	6.892	ng	96

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

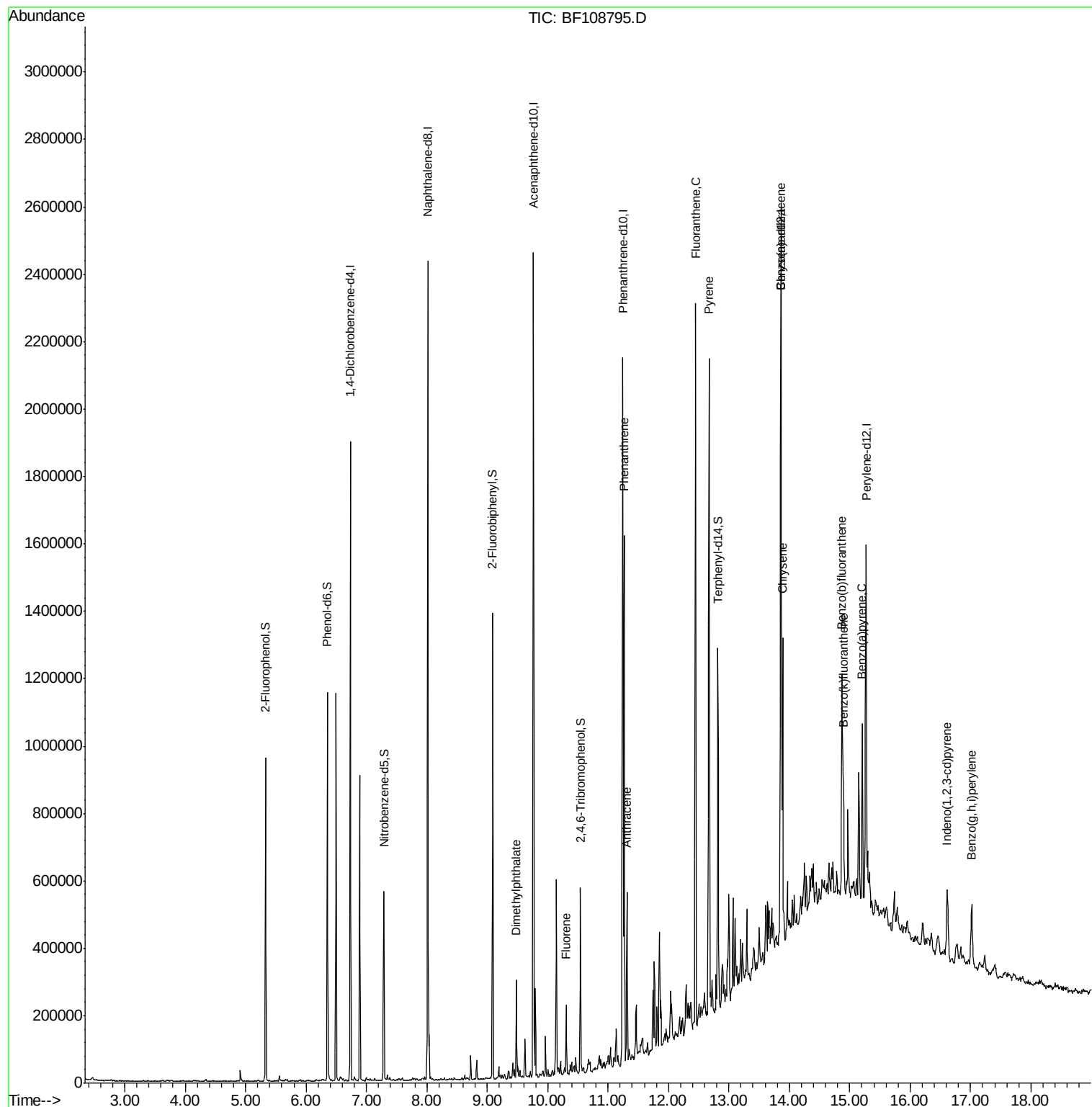
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

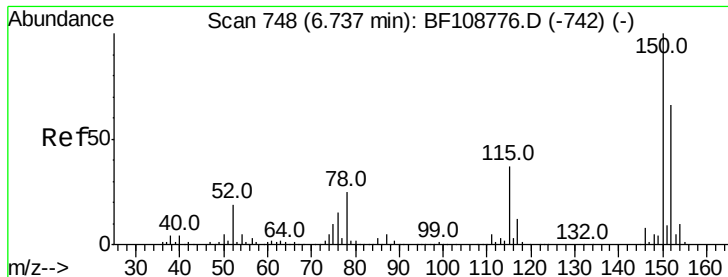
Instrument :
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#1

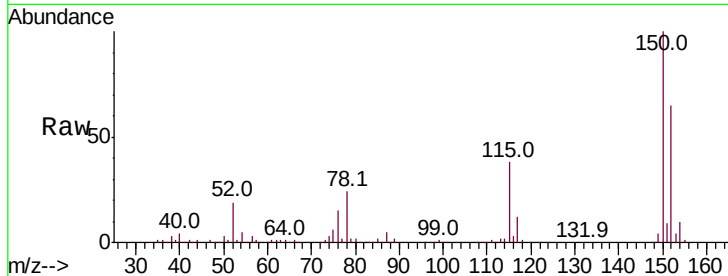
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	58.1	50.1	75.1

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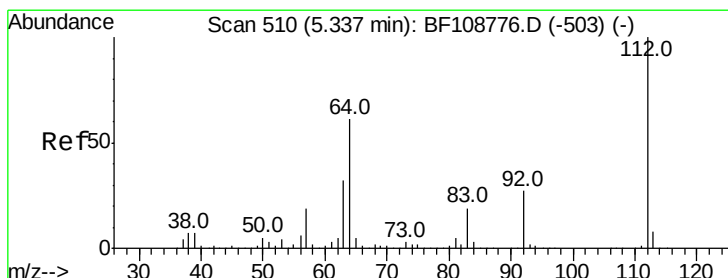
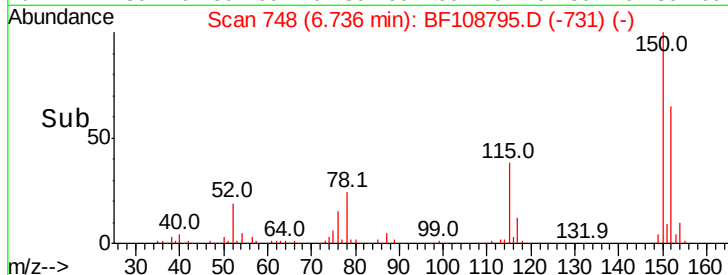
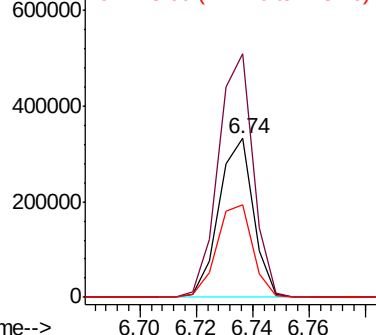


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

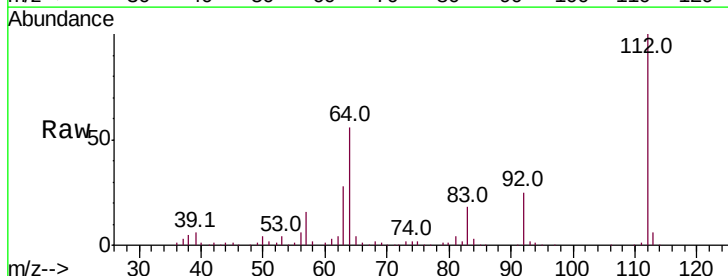
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.873 ng
RT: 5.33 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	27.8	23.7	35.5

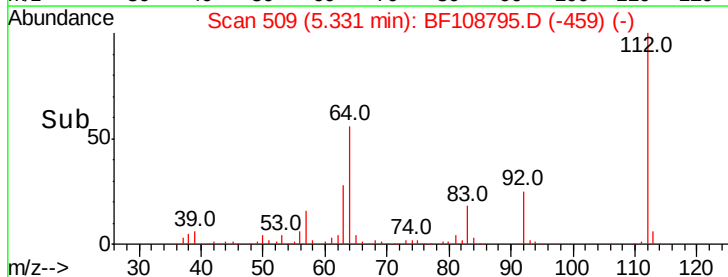
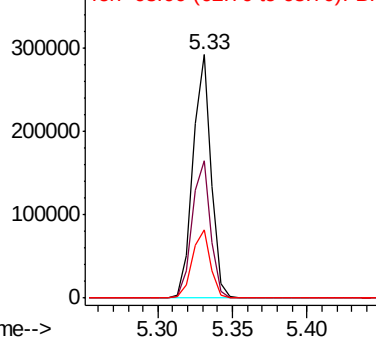


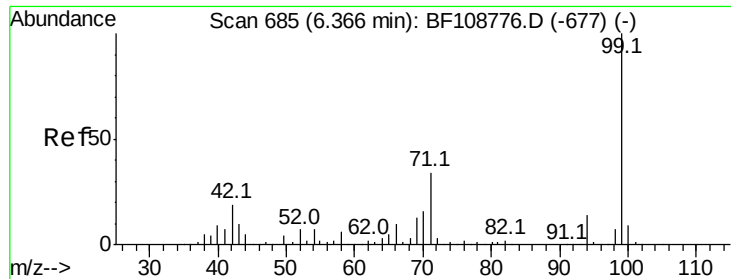
Abundance

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: 15.301 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108795.D

Acq: 6 Sep 2018 00:49

Instrument :

BNA_F

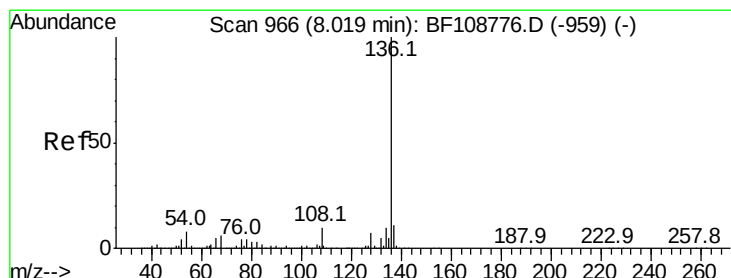
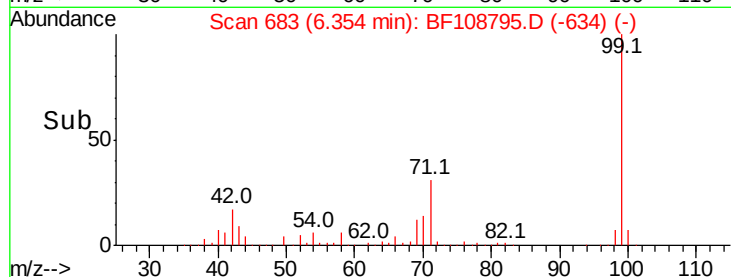
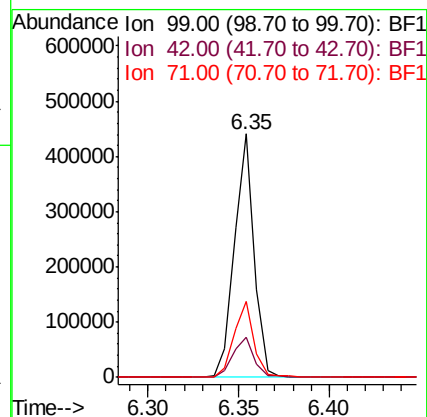
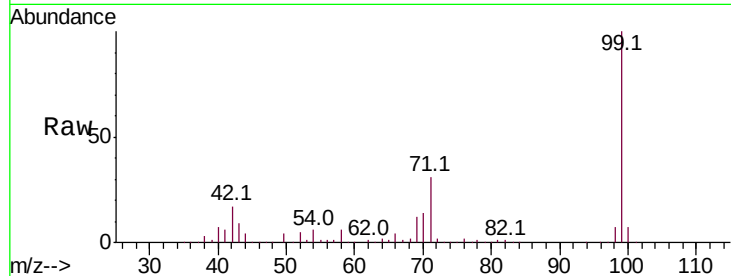
ClientSampleId :

DOCUMENTATION-#11

Tot Ion:	99	Resp:	333843
Ion Ratio	Lower	Upper	
99	100		
42	16.7	14.5	21.7
71	31.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

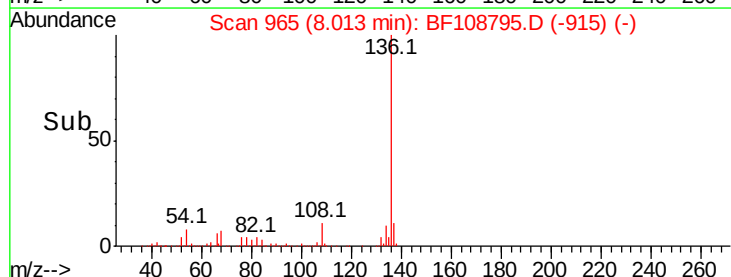
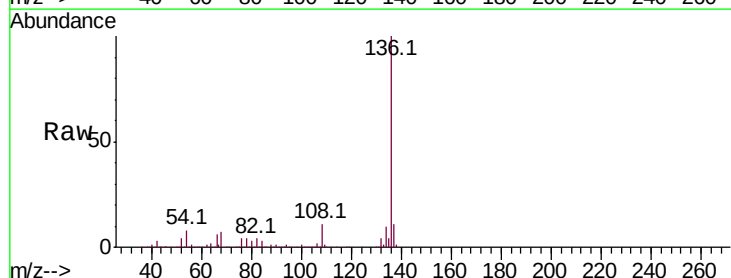
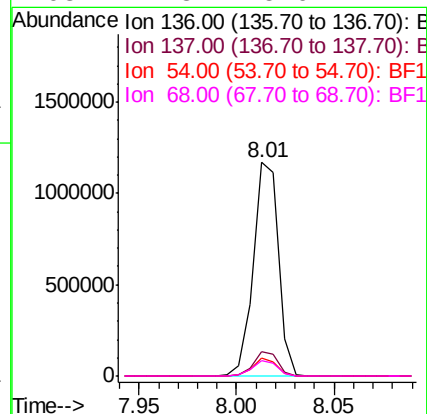
RT: 8.01 min Scan# 965

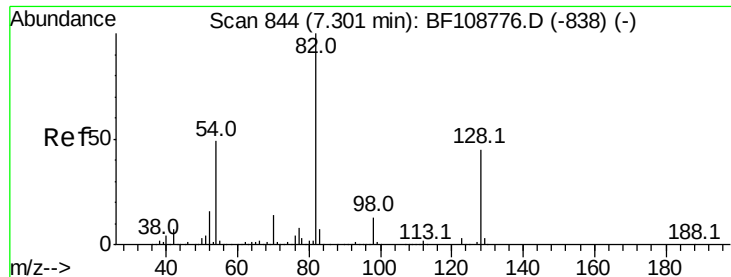
Delta R.T. -0.01 min

Lab File: BF108795.D

Acq: 6 Sep 2018 00:49

Tgt Ion:	136	Resp:	1043179
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.3	6.6	9.8
68	7.3	5.0	7.4





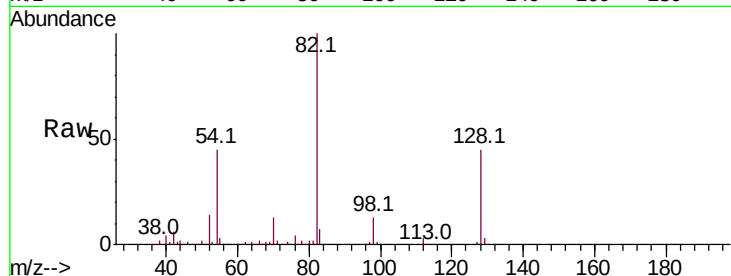
#23
 Nitrobenzene-d5
 Concen: 10.257 ng
 RT: 7.29 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF108795.D
 Acq: 6 Sep 2018 00:49

Instrument :
 BNA_F
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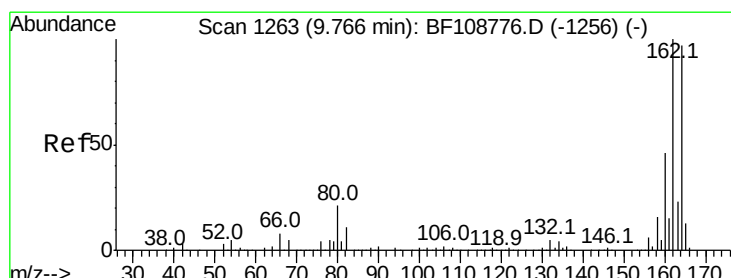
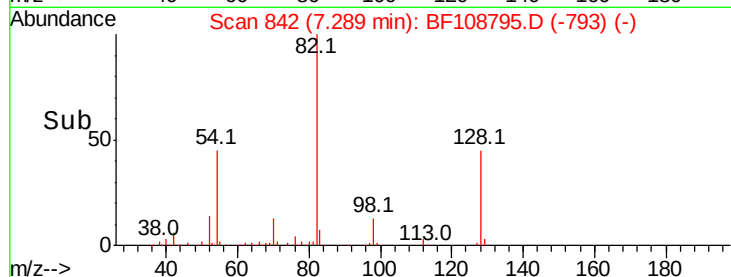
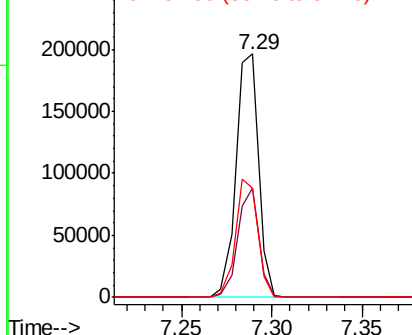
Tot Ion:	82	Resp:	170974
Ion Ratio	Lower	Upper	
82	100		
128	44.7	36.1	54.1
54	44.8	41.4	62.2

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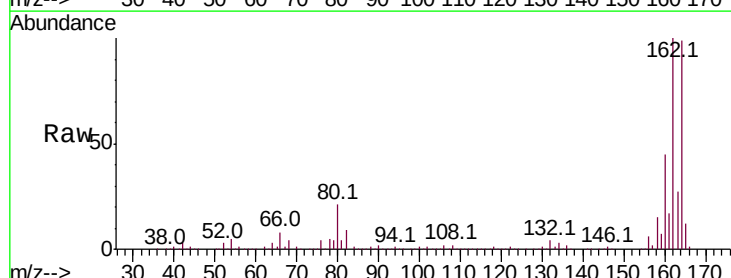


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

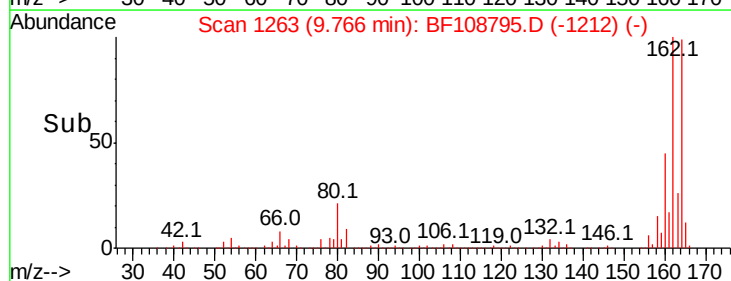
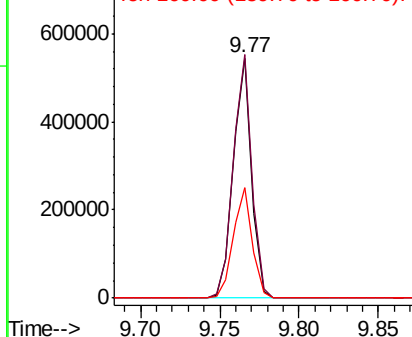


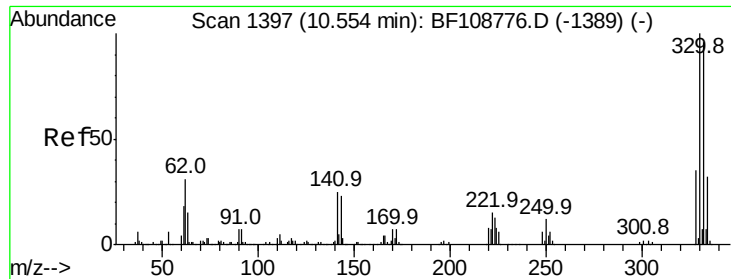
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108795.D
 Acq: 6 Sep 2018 00:49

Tgt Ion:	164	Resp:	434390
Ion Ratio	Lower	Upper	
164	100		
162	101.5	86.1	129.1
160	46.1	38.3	57.5



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





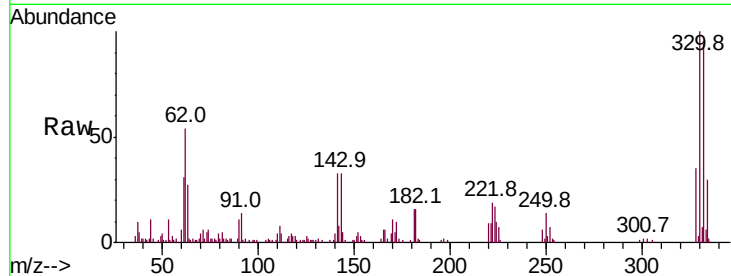
#41
 2,4,6-Tribromophenol
 Concen: 12.177 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF108795.D
 Acq: 6 Sep 2018 00:49

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	34.8	29.9	44.9

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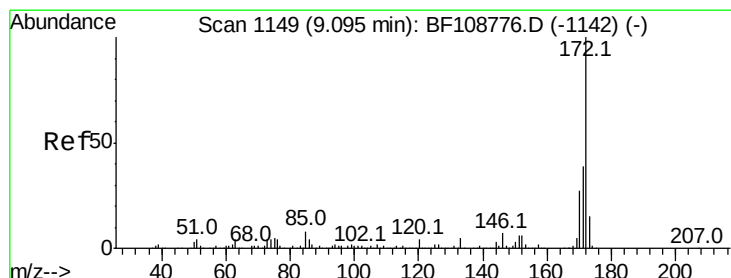
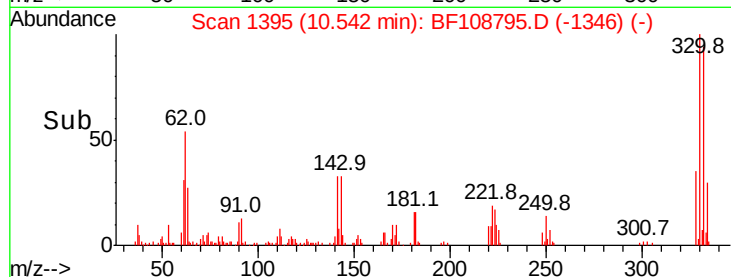
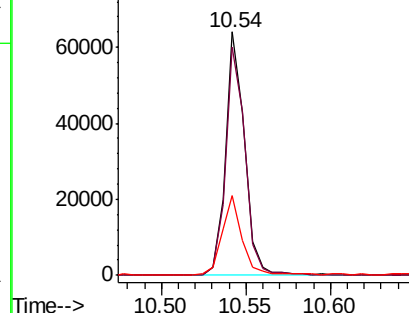


Abundance

Ion 329.80 (329.50 to 330.50): E

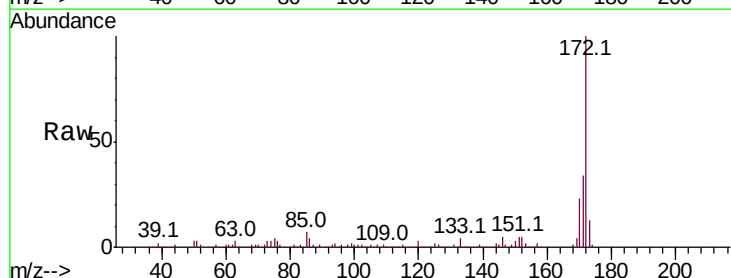
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 14.323 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108795.D
 Acq: 6 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.7	44.5
170	23.2	19.6	29.4

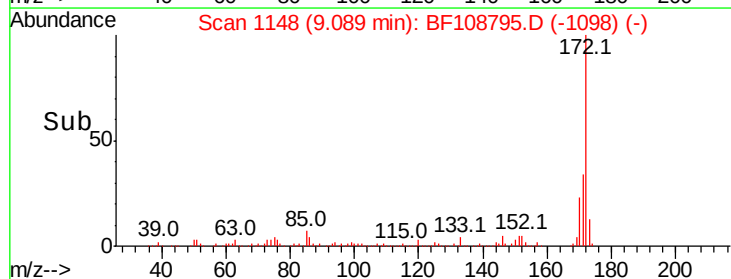
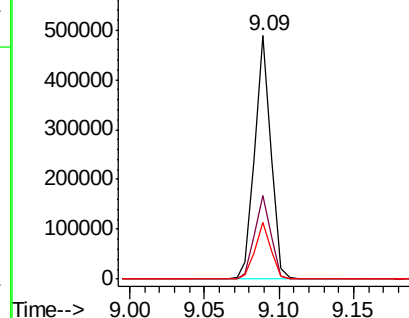


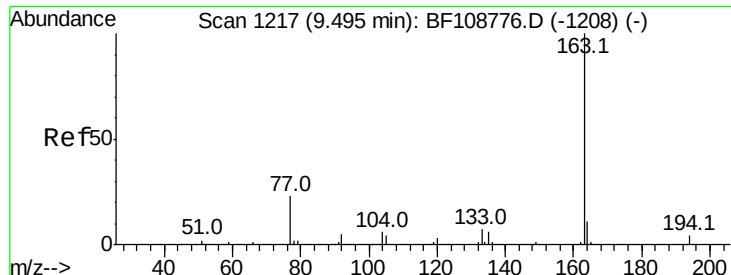
Abundance

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





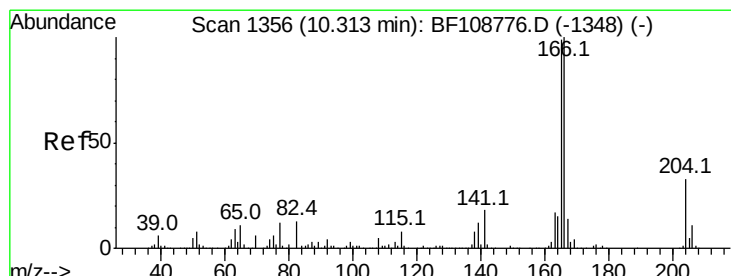
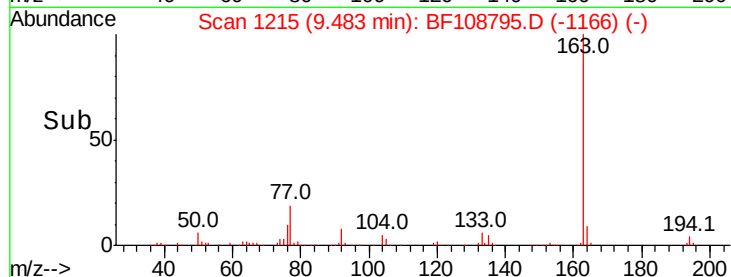
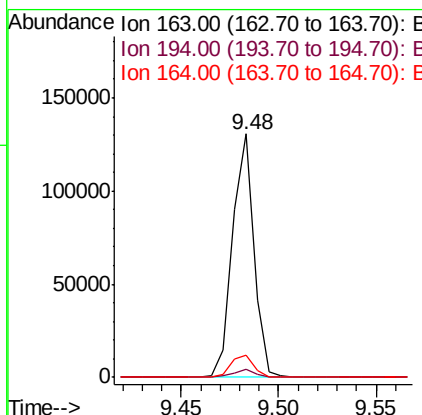
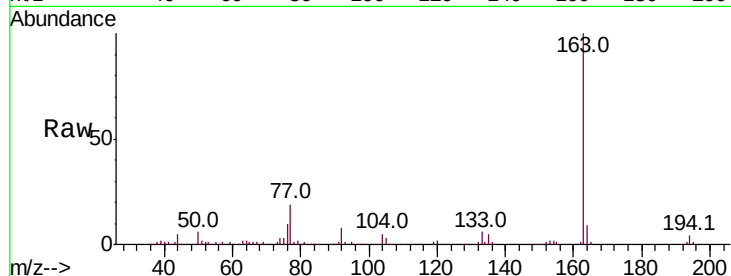
#49
Dimethylphthalate
Concen: 3.290 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	9.3	8.2	12.2	

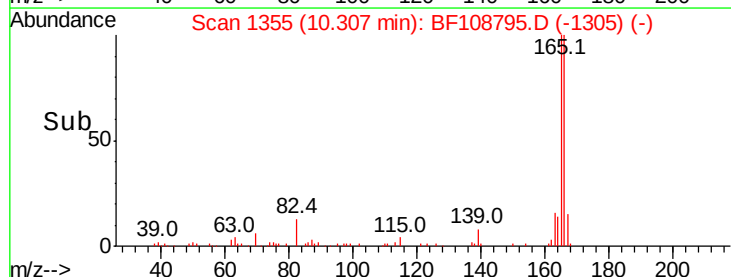
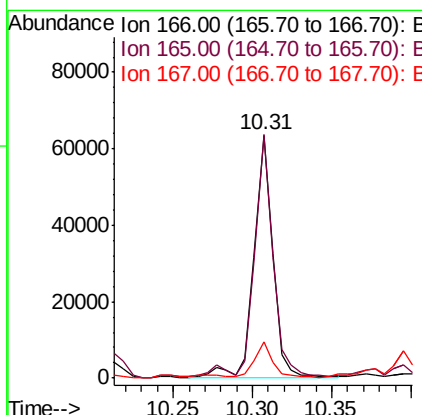
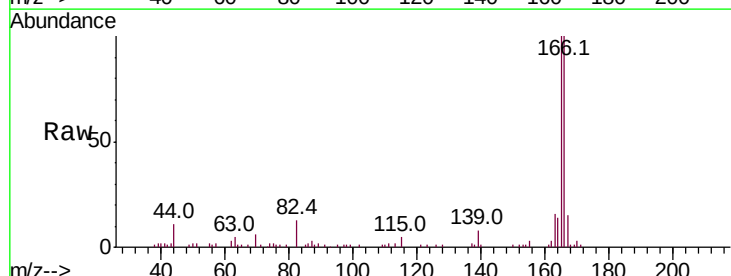
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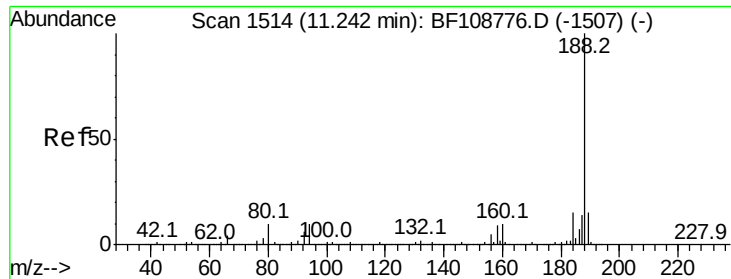
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#57
Fluorene
Concen: 2.288 ng
RT: 10.31 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.2	79.8	119.8	
167	14.7	10.6	16.0	





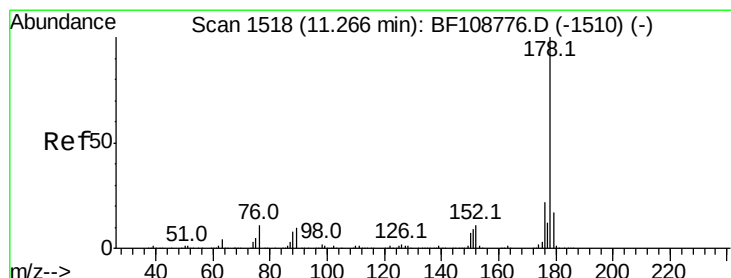
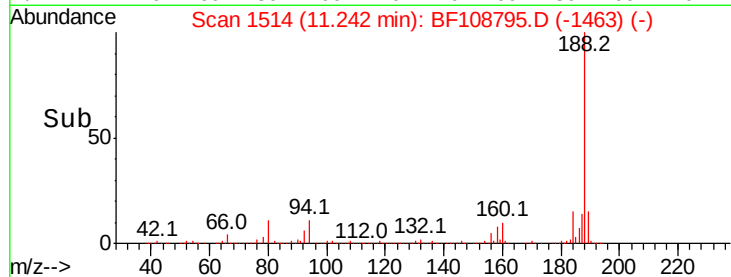
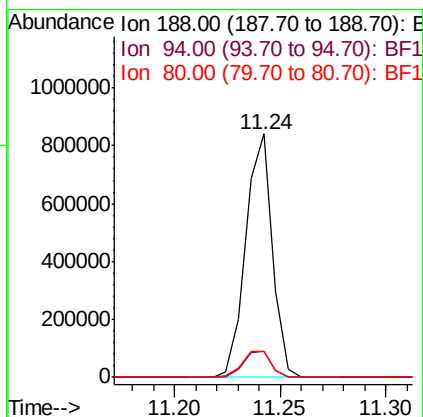
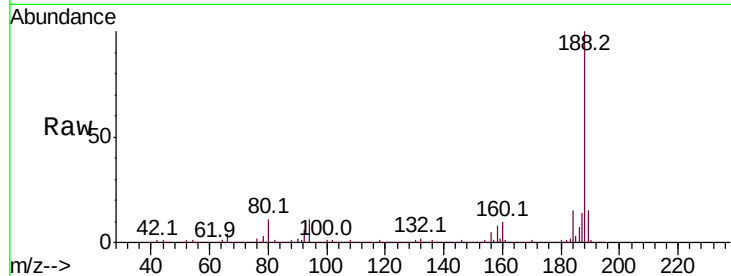
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	730619		
94	10.7		8.5	12.7
80	10.8		9.2	13.8

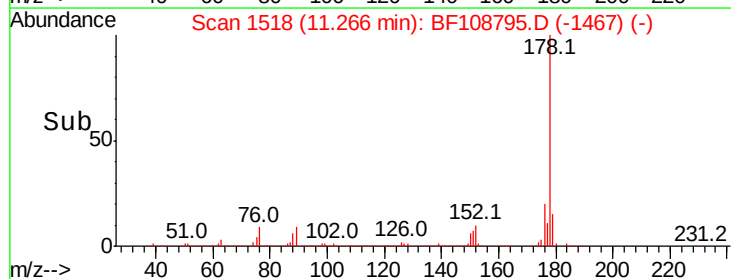
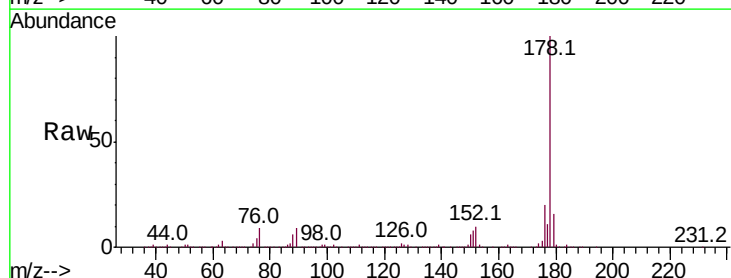
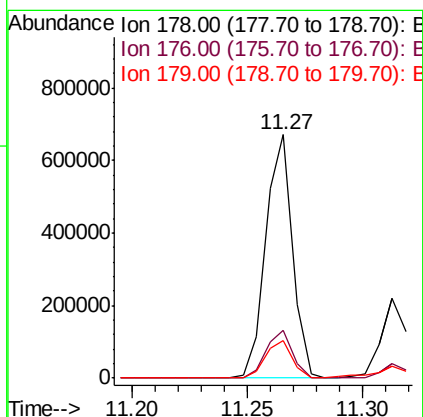
Manual Integrations
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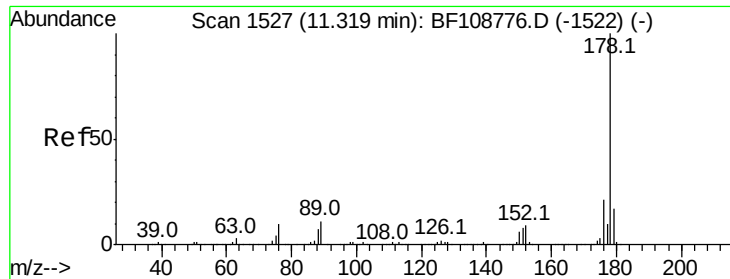
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#70
Phenanthrene
Concen: 15.542 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	542278		
176	19.6		15.8	23.8
179	15.6		13.0	19.6





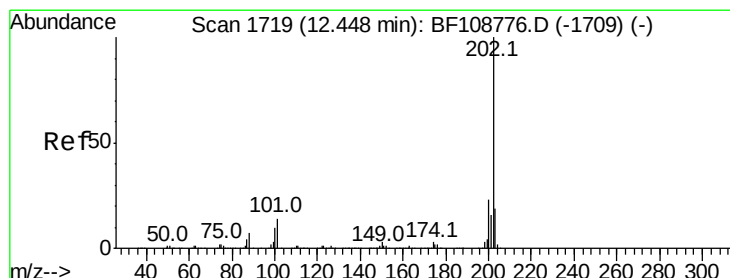
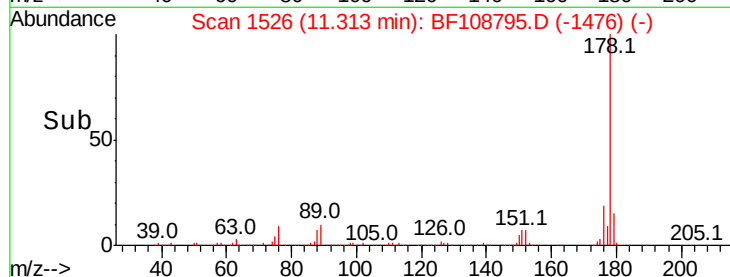
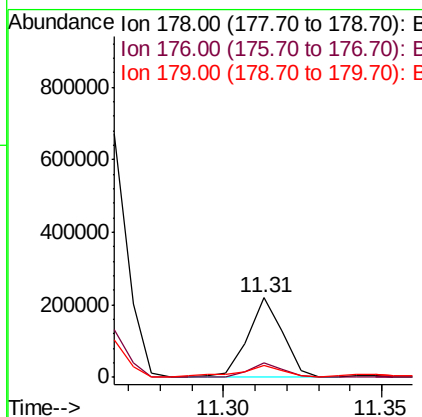
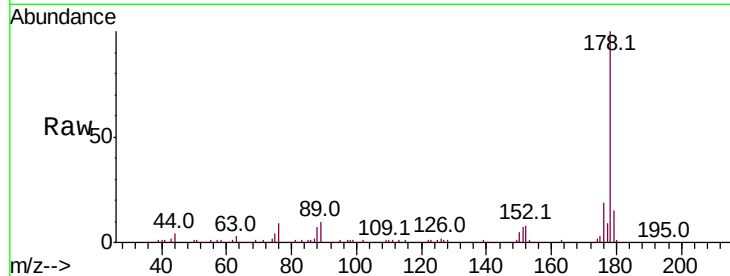
#71
 Anthracene
 Concen: 4.945 ng
 RT: 11.31 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF108795.D
 Acq: 6 Sep 2018 00:49

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-#11

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.2	12.6	19.0

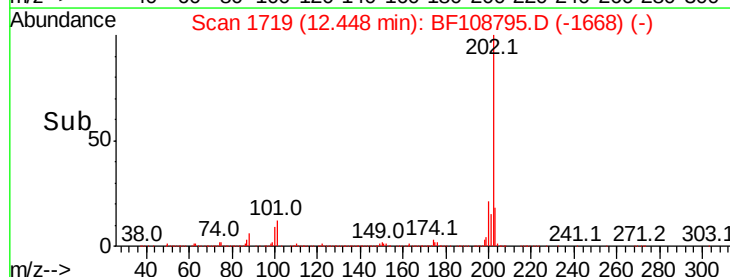
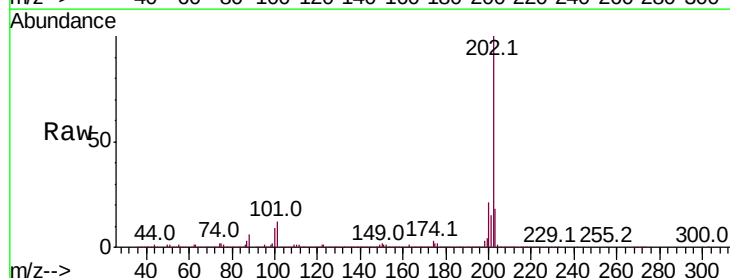
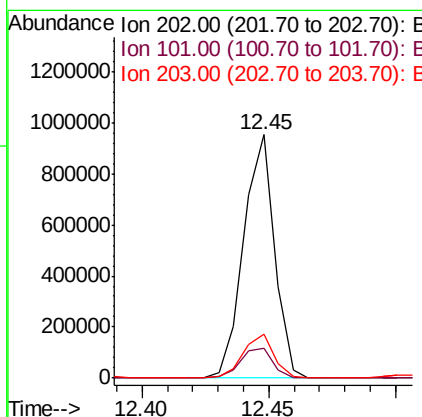
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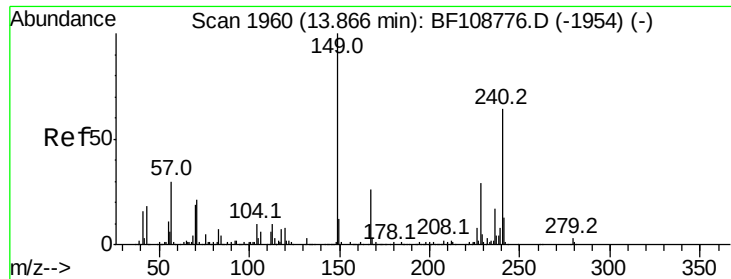
Sohil
 9/6/2018 4:45:11 PM



#74
 Fluoranthene
 Concen: 23.228 ng
 RT: 12.45 min Scan# 1719
 Delta R.T. -0.00 min
 Lab File: BF108795.D
 Acq: 6 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BF108795.D

Acq: 6 Sep 2018 00:49

Instrument :

BNA_F

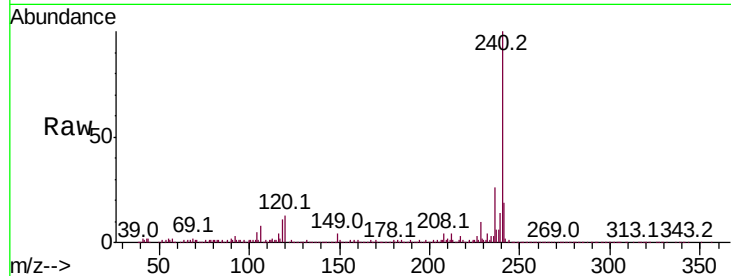
ClientSampleId :

DOCUMENTATION-#11

Tot Ion:	240	Resp:	600555
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	26.0	20.7	31.1

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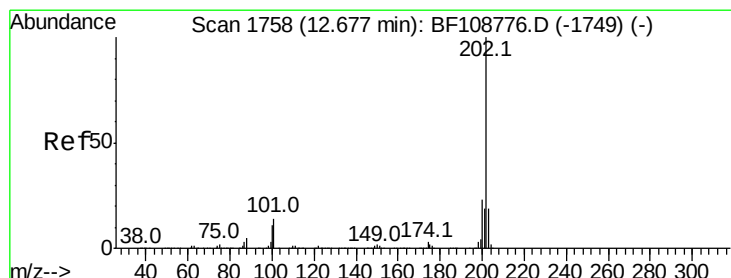
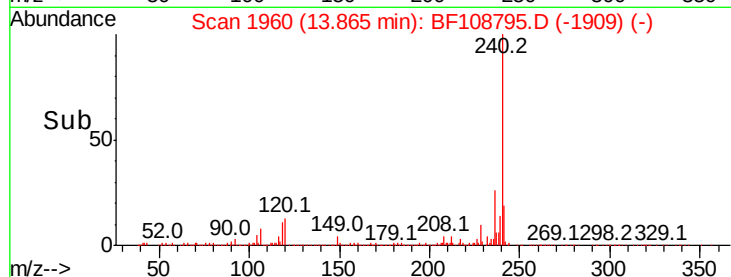
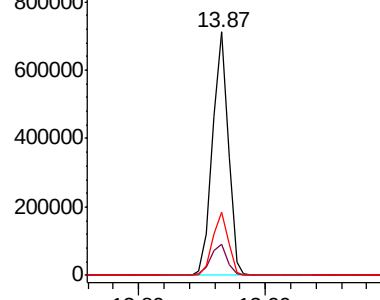
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.128 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108795.D

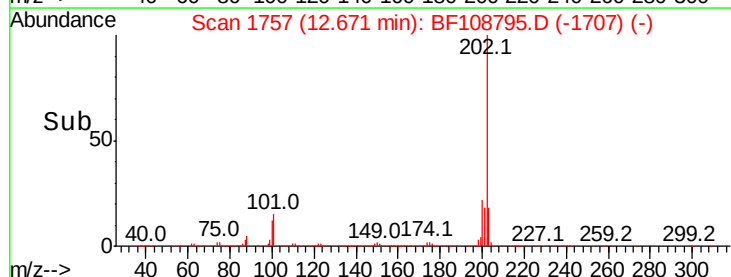
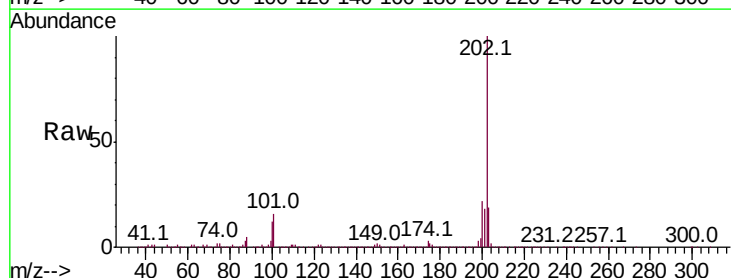
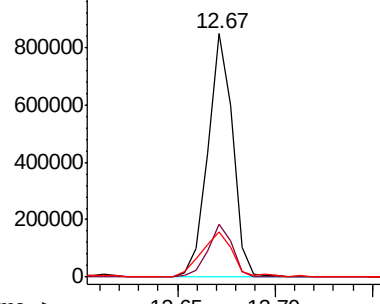
Acq: 6 Sep 2018 00:49

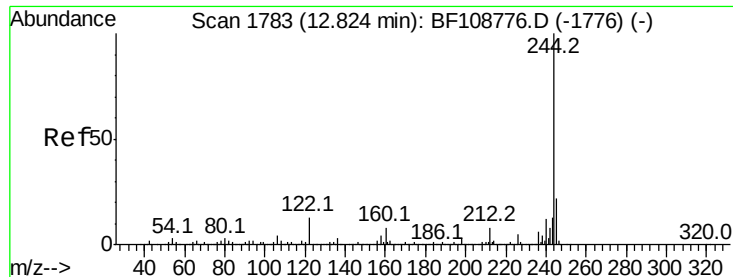
Tgt Ion:	202	Resp:	745283
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.6	14.3	21.5

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: 11.973 ng

RT: 12.82 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF108795.D

Acq: 6 Sep 2018 00:49

Instrument :

BNA_F

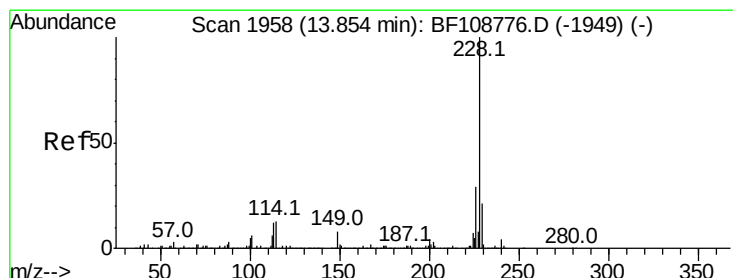
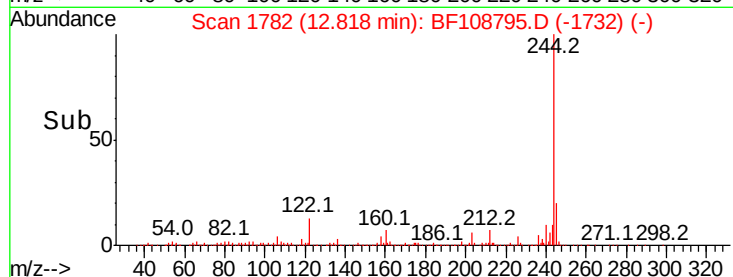
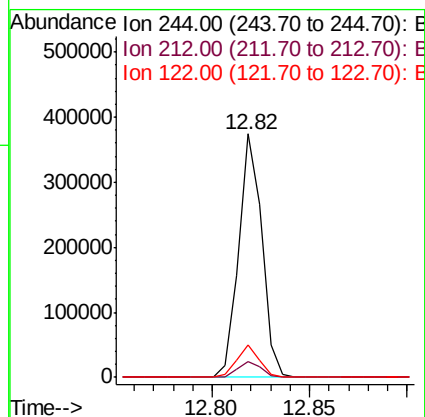
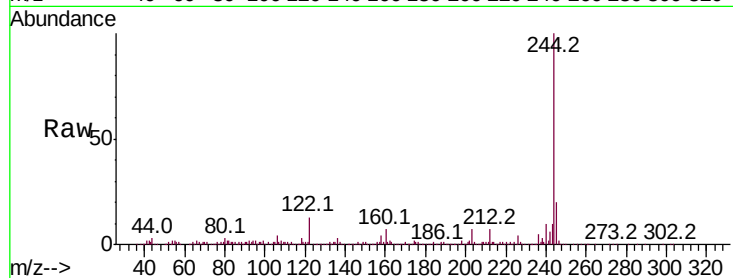
ClientSampleId :

DOCUMENTATION-#11

Tot Ion:	244	Resp:	308340
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	13.4	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 10.030 ng

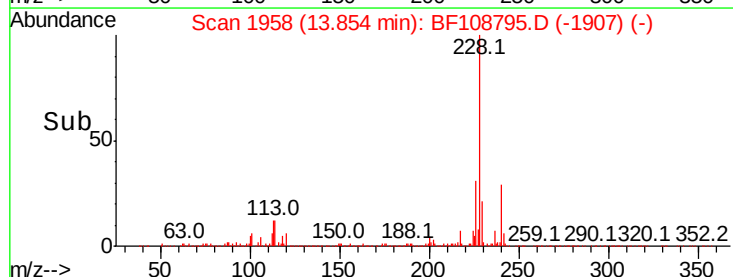
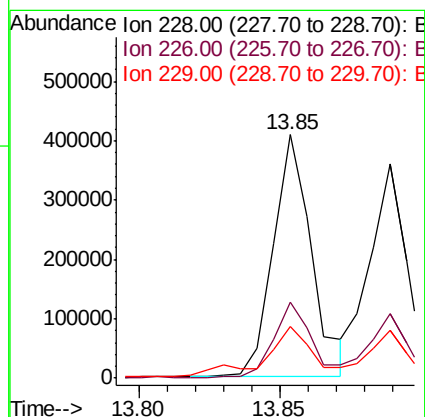
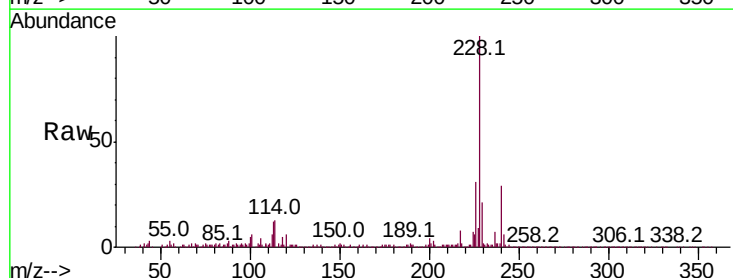
RT: 13.85 min Scan# 1958

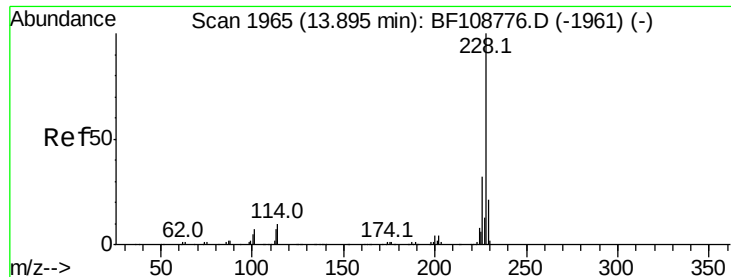
Delta R.T. -0.00 min

Lab File: BF108795.D

Acq: 6 Sep 2018 00:49

Tgt Ion:	228	Resp:	386110
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.6	33.8
229	21.0	15.8	23.6





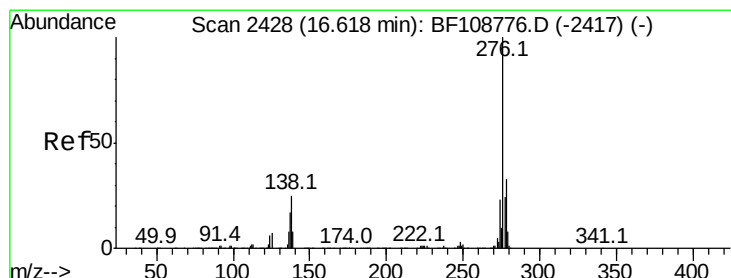
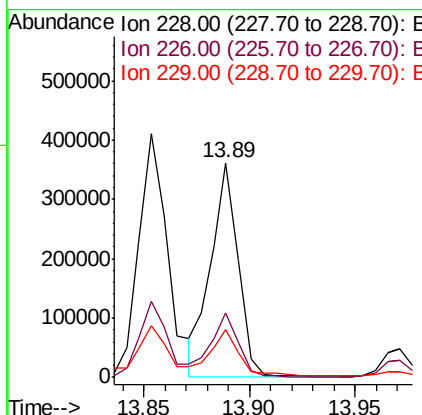
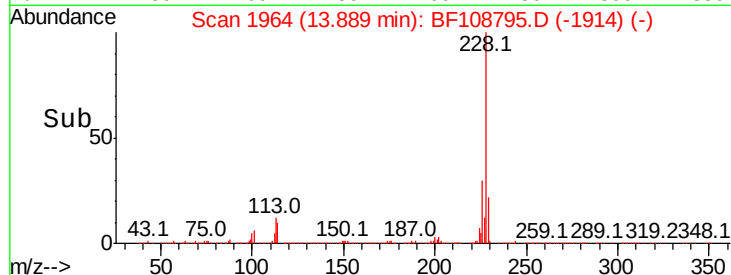
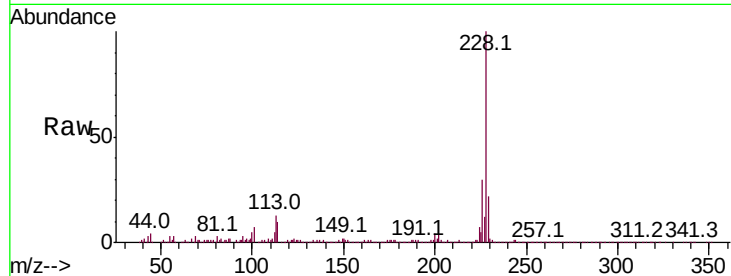
#82
Chrysene
Concen: 8.674 ng
RT: 13.89 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#11

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.3	16.2	24.4

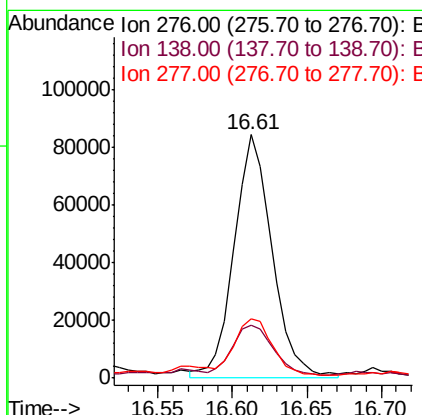
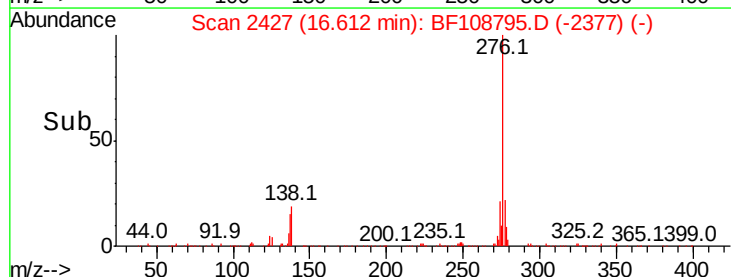
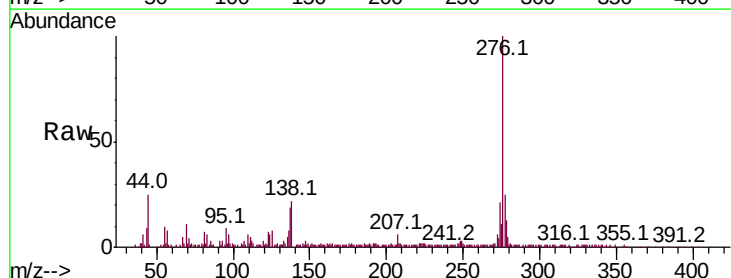
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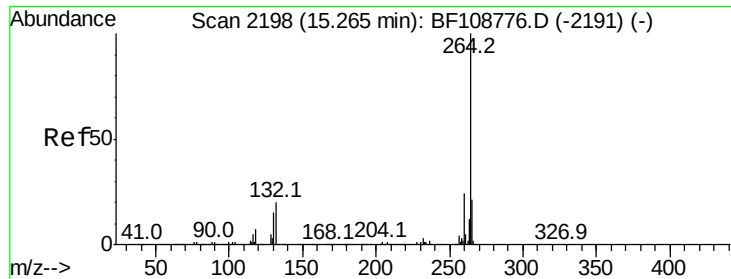
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.545 ng m
RT: 16.61 min Scan# 2427
Delta R.T. -0.01 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.3	25.0	37.6#
277	4.6	20.1	30.1#





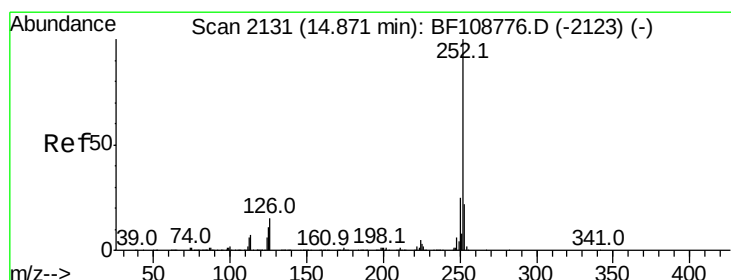
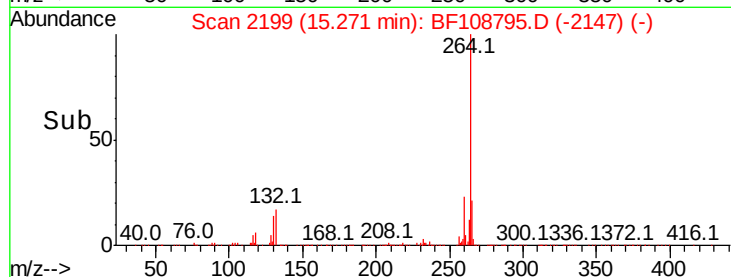
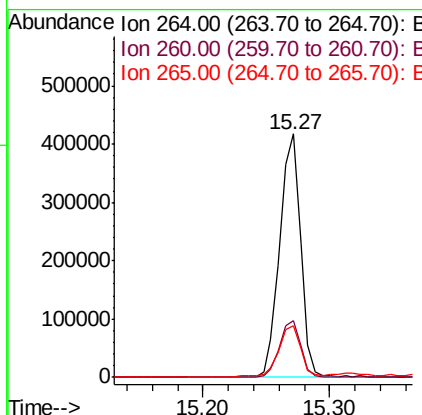
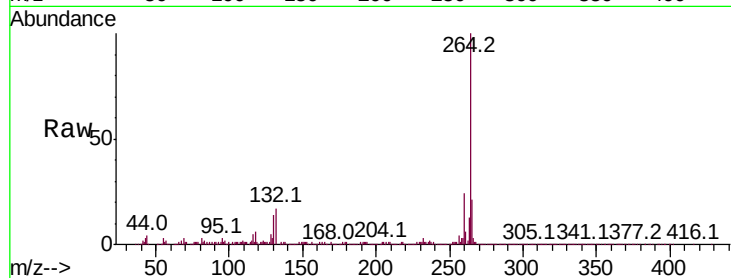
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#11

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	17.5	26.3

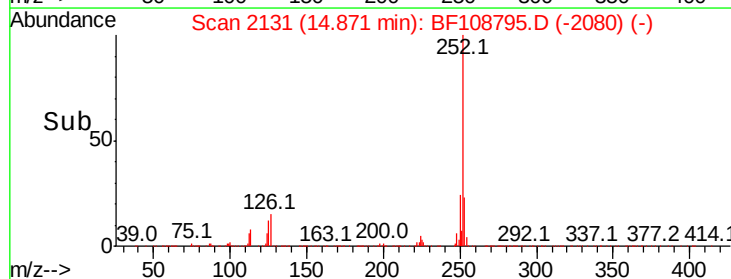
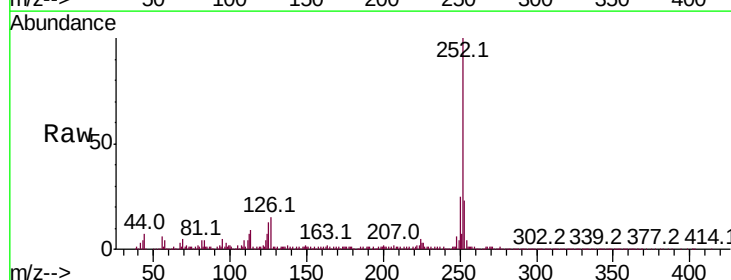
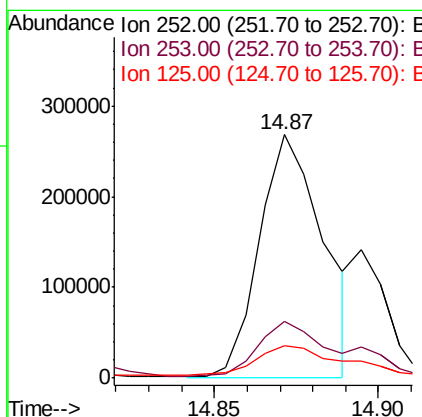
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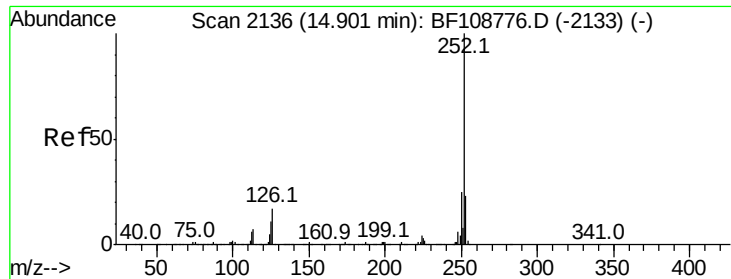
Sohil
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#87
Benzo(b)fluoranthene
Concen: 14.164 ng m
RT: 14.87 min Scan# 2131
Delta R.T. -0.00 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	13.2	9.0	13.6





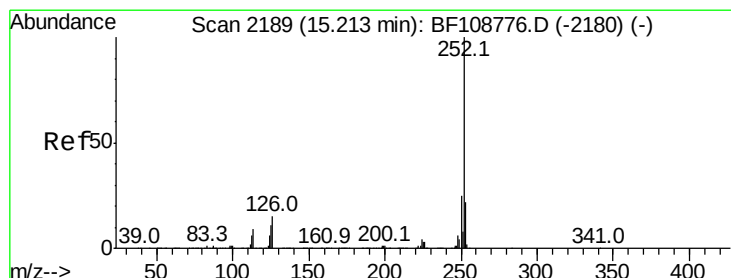
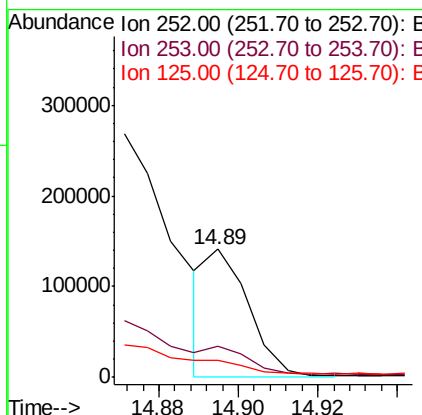
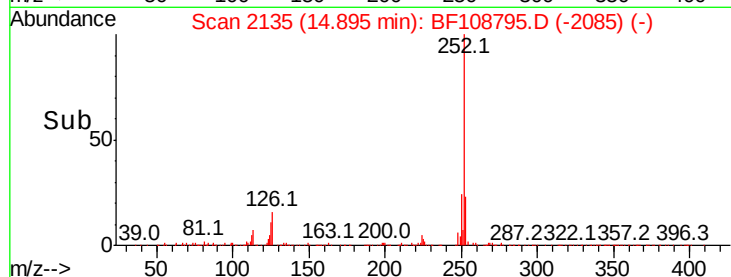
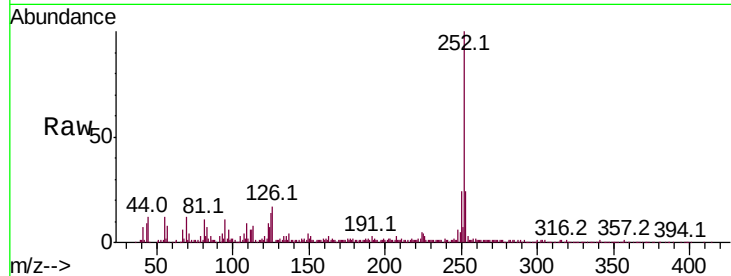
#88
Benzo(k)fluoranthene
Concen: 4.332 ng/mL
RT: 14.89 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#11

Tot Ion:	252	Resp:	103085
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.9	26.9
125	13.8	10.2	15.2

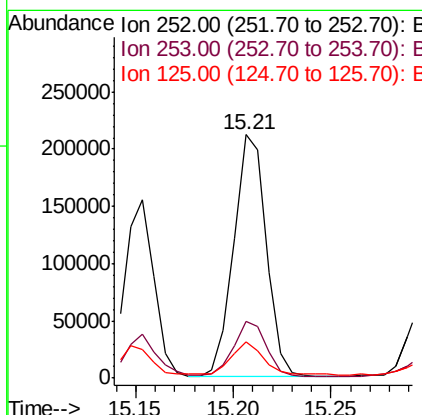
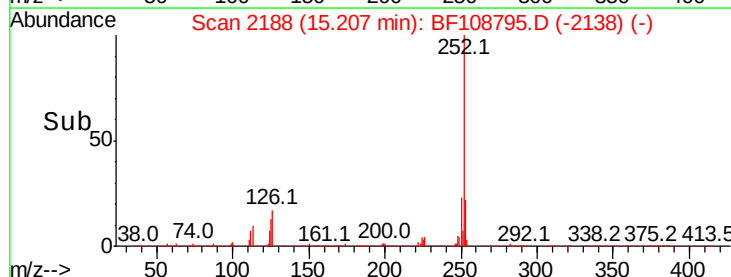
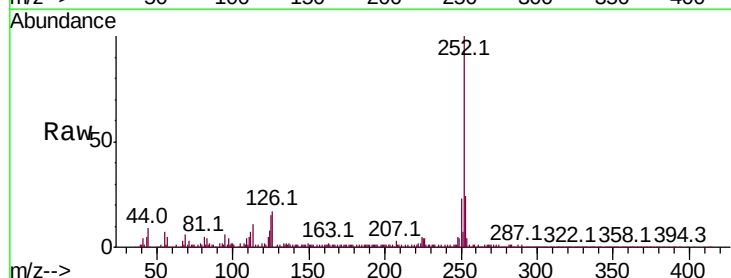
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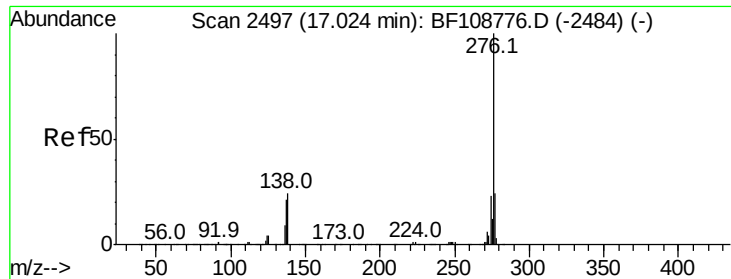
Sohil
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#89
Benzo(a)pyrene
Concen: 10.551 ng/mL
RT: 15.21 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BF108795.D
Acq: 6 Sep 2018 00:49

Tgt Ion:	252	Resp:	245972
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	14.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.892 ng
 RT: 17.02 min Scan# 2496
 Delta R.T. -0.01 min
 Lab File: BF108795.D
 Acq: 6 Sep 2018 00:49

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-#11

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	24.1	21.8	32.8

Manual Integrations
 APPROVED

Sohil
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