

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108864.D
 Acq On : 7 Sep 2018 16:52
 Operator : JU/SJ
 Sample : J4779-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-090618-A

Manual Integrations
 APPROVED

Sohil
 9/10/2018 10:39:31 AM

Quant Time: Sep 07 18:59:48 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	245760	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	945466	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	420853	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	693044	20.00	ng	0.00
75) Chrysene-d12	13.87	240	517784	20.00	ng	0.00
86) Perylene-d12	15.28	264	477907	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	296241	19.97	ng	0.00
7) Phenol-d6	6.36	99	390345	20.45	ng	0.00
23) Nitrobenzene-d5	7.29	82	227834	15.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	69286	17.25	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	436225	17.68	ng	0.00
78) Terphenyl-d14	12.82	244	315358	14.20	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	98513	3.347	ng	Qvalue # 99
57) Fluorene	10.31	166	87234	3.858	ng	99
70) Phenanthrene	11.27	178	601724	18.181	ng	99
71) Anthracene	11.32	178	195340	6.165	ng	98
72) Carbazole	11.47	167	89725	2.689	ng	99
74) Fluoranthene	12.45	202	760207	23.200	ng	96
77) Pyrene	12.68	202	694290	17.426	ng	99
80) Benzo(a)anthracene	13.86	228	362766	10.931	ng	98
82) Chrysene	13.90	228	303353	9.442	ng	98
87) Benzo(b)fluoranthene	14.88	252	386830m	14.886	ng	
88) Benzo(k)fluoranthene	14.90	252	123746m	5.171	ng	
89) Benzo(a)pyrene	15.22	252	272336	11.615	ng	98
91) Benzo(a,h,i)perylene	17.04	276	123822	5.985	ng	94

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

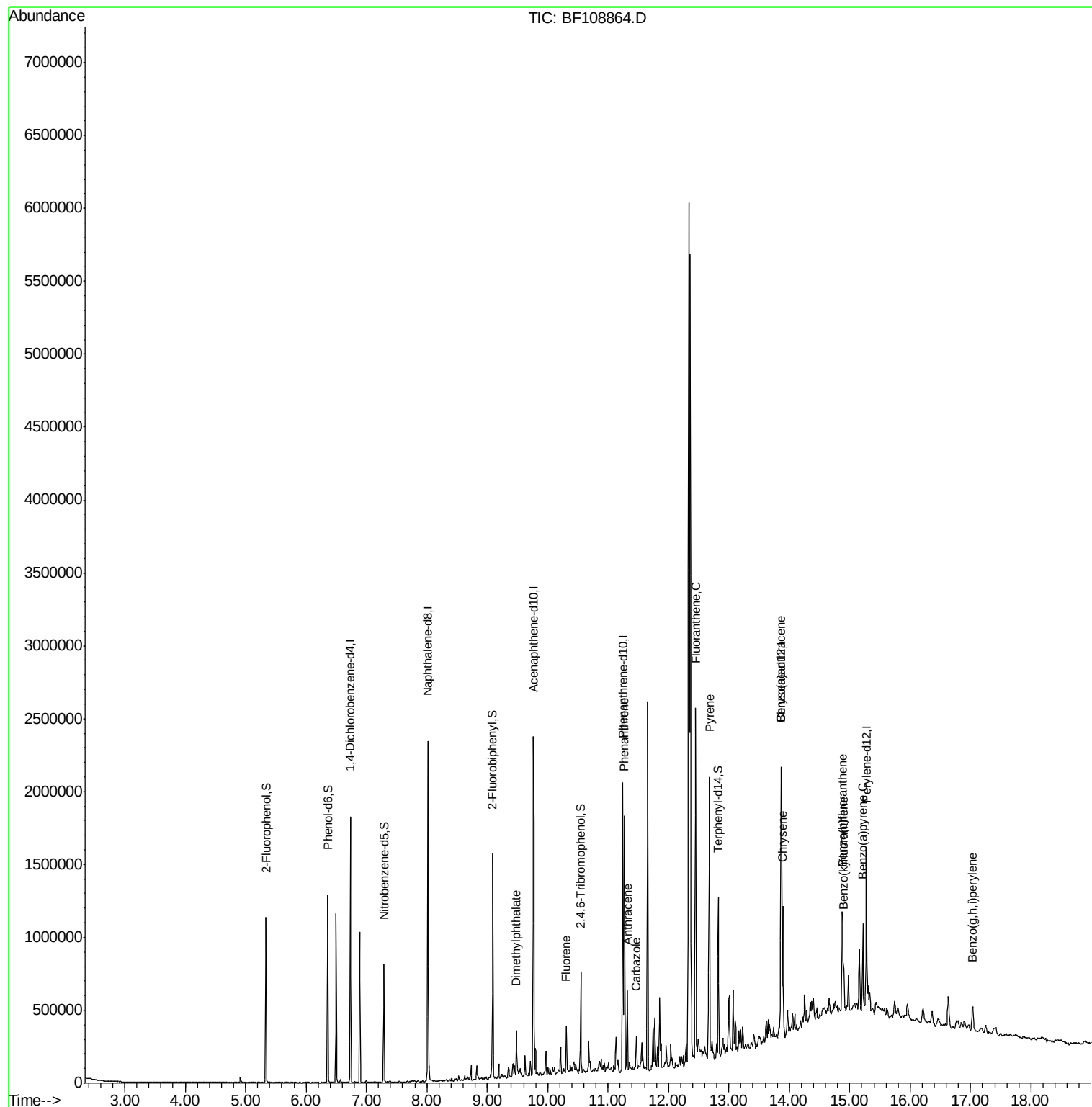
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108864.D
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Operator : JU/SJ
Sample : J4779-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

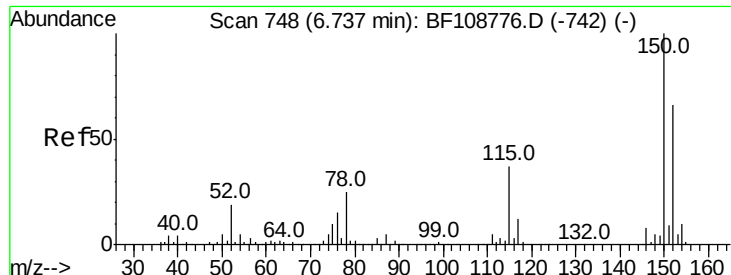
Instrument :
BNA_F
ClientSampleId :
SU-03-090618-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
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#1

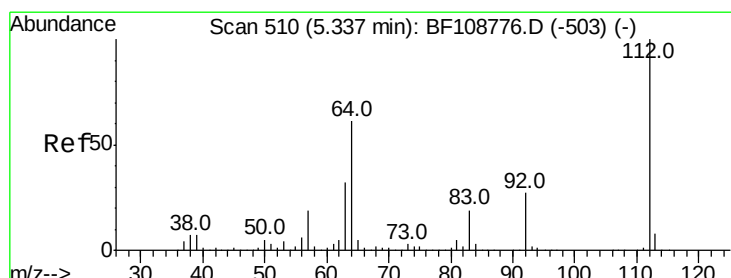
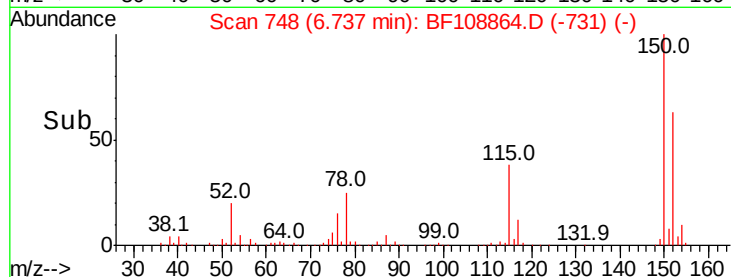
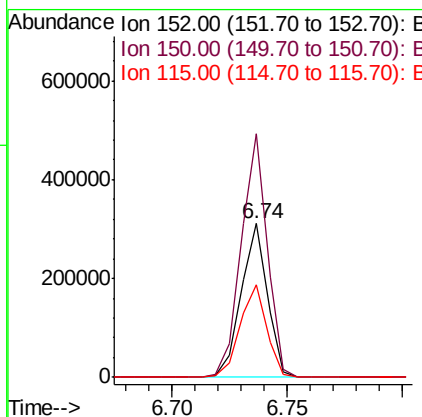
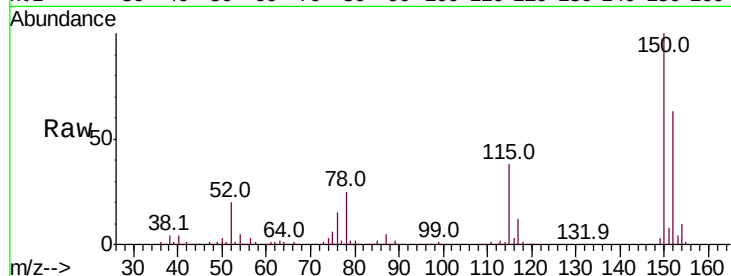
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	60.1	50.1	75.1

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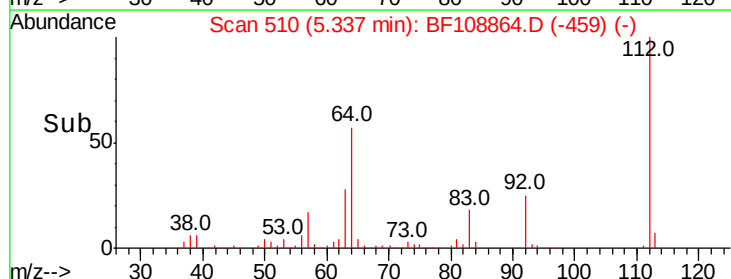
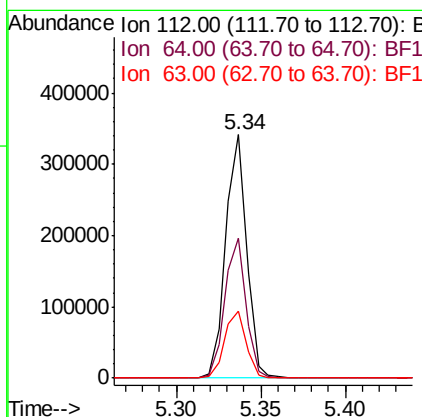
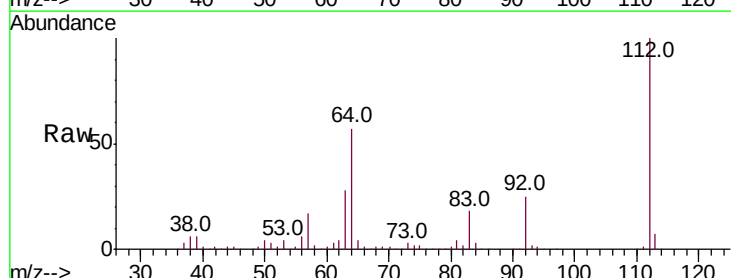
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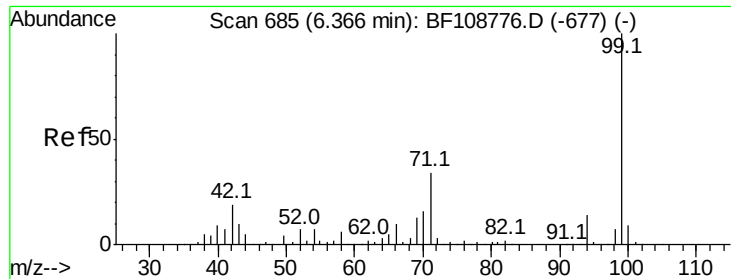


#5

2-Fluorophenol
Concen: 19.970 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 20.451 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

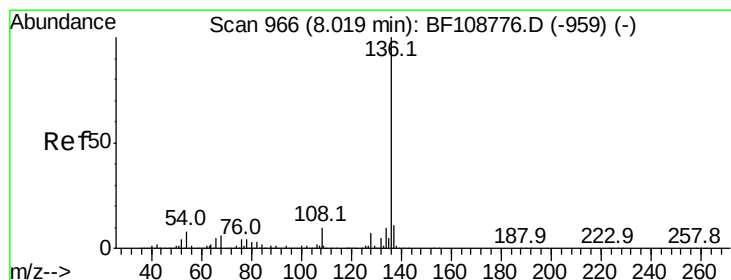
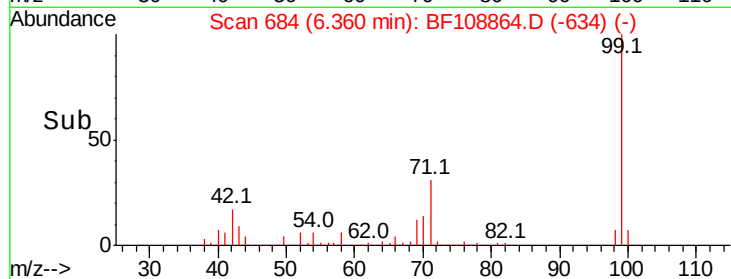
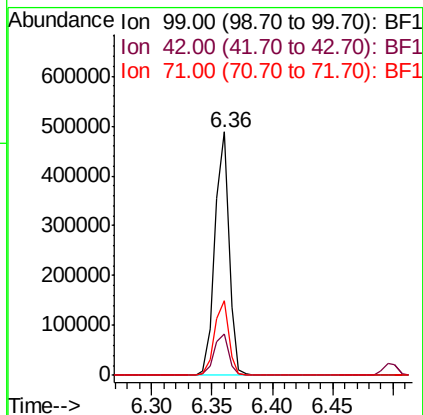
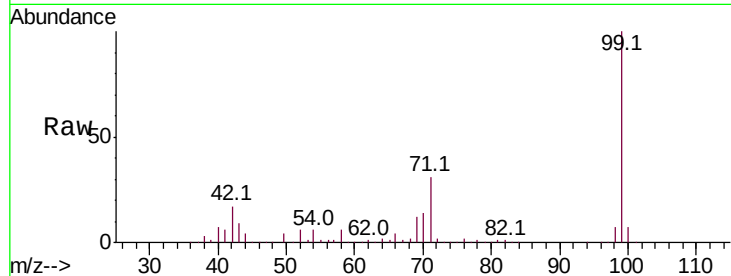
ClientSampleId :

SU-03-090618-A

Tot Ion:	99	Resp:	390345
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.5	21.7
71	30.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

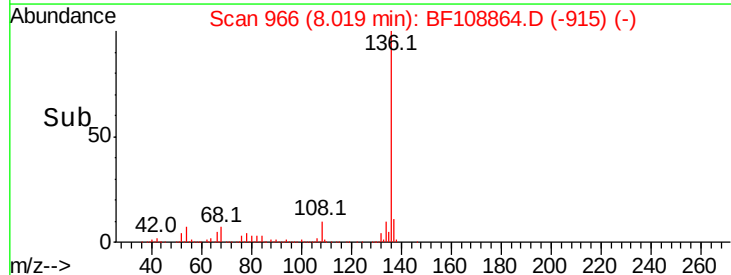
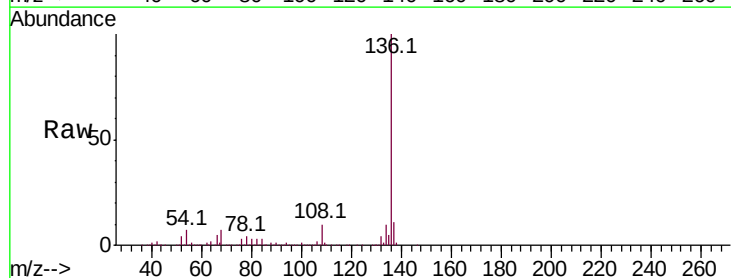
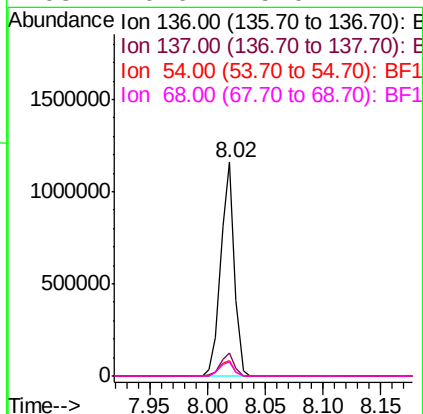
RT: 8.02 min Scan# 966

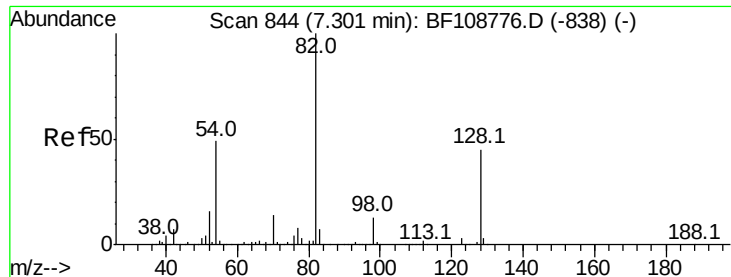
Delta R.T. 0.00 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Tgt Ion:	136	Resp:	945466
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.4	6.6	9.8
68	6.6	5.0	7.4





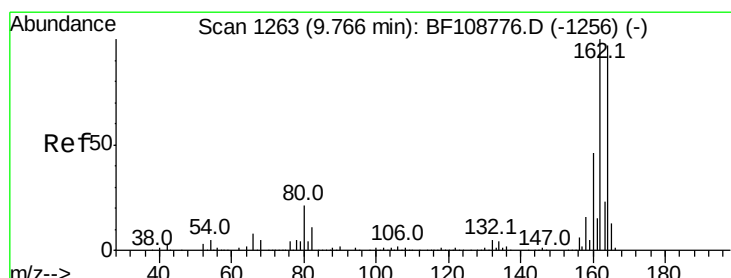
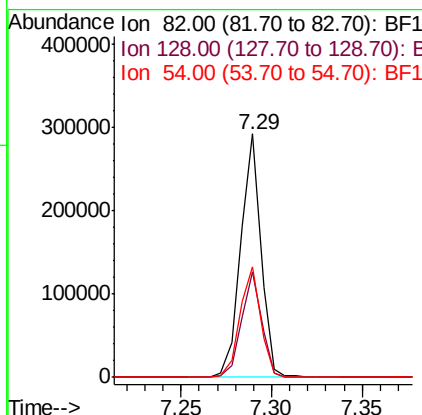
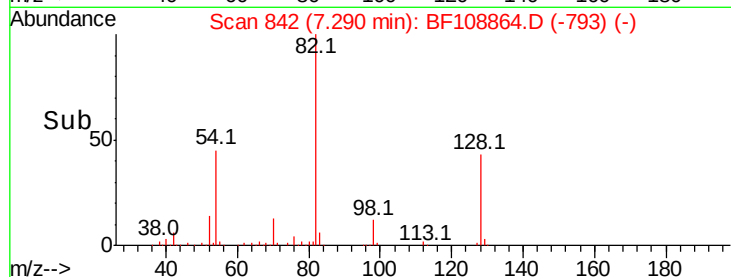
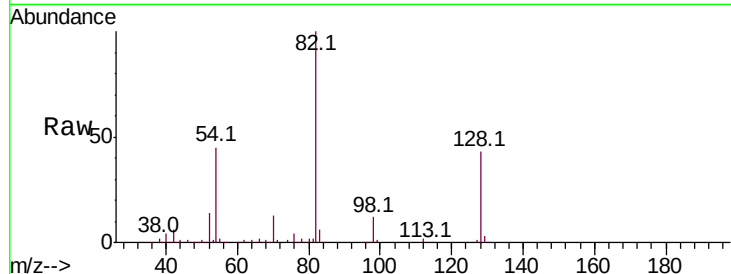
#23
Nitrobenzene-d5
Concen: 15.080 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.2	36.1	54.1	
54	45.5	41.4	62.2	

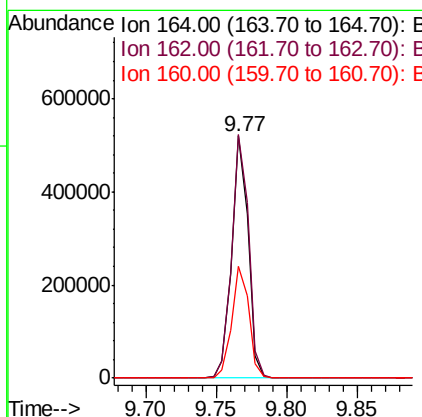
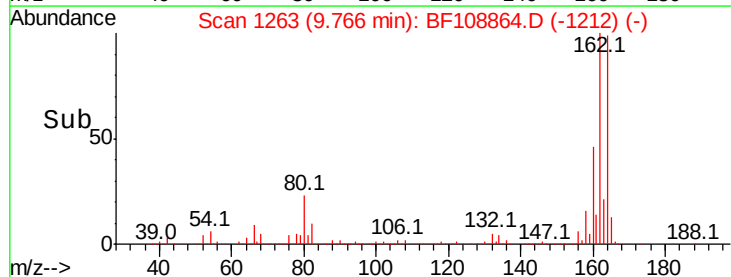
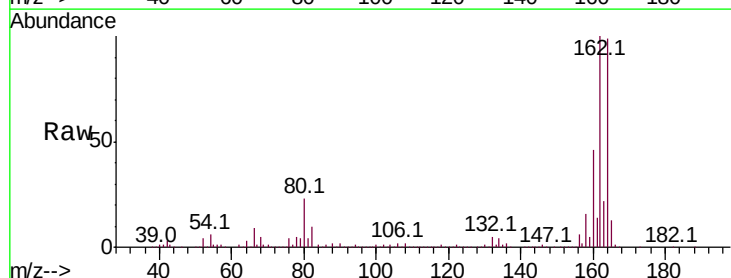
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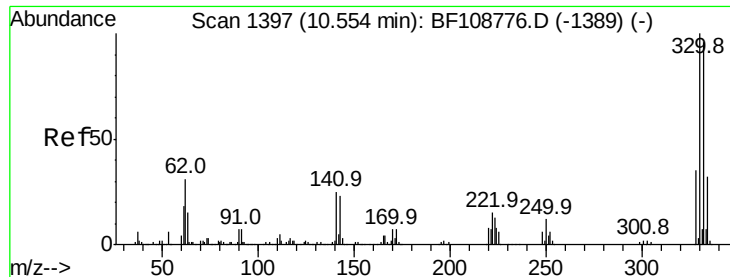
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.6	86.1	129.1	
160	46.4	38.3	57.5	





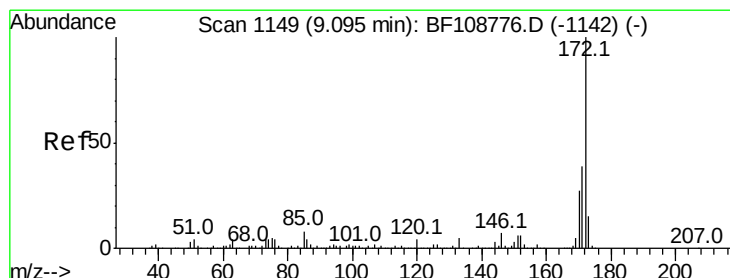
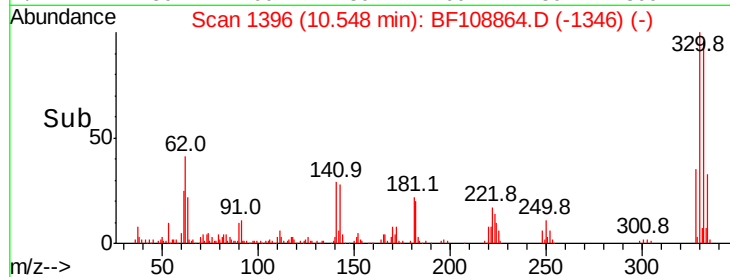
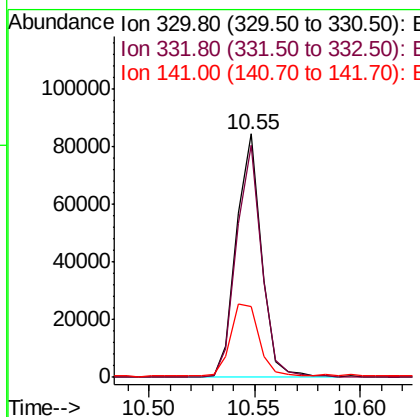
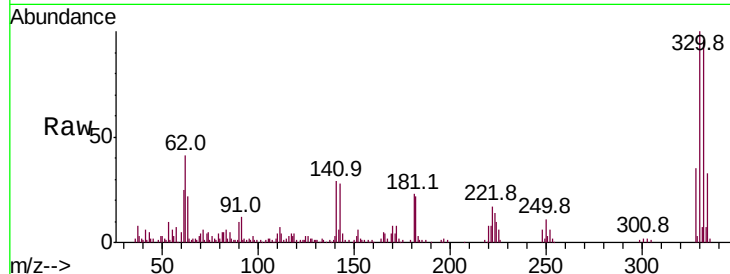
#41
 2,4,6-Tribromophenol
 Concen: 17.245 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-090618-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	34.7	29.9	44.9

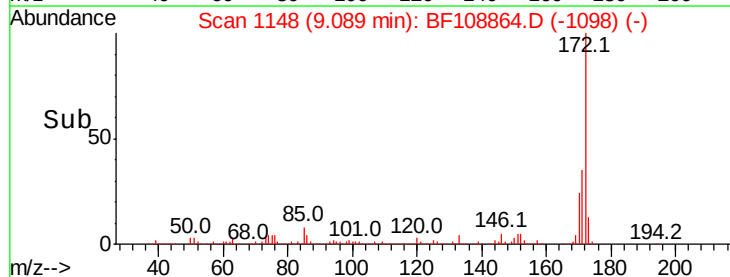
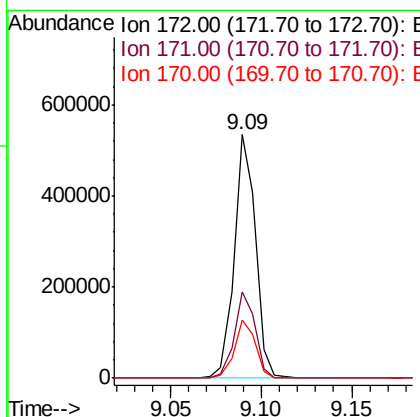
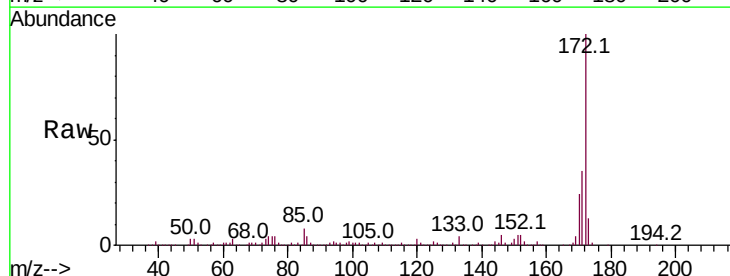
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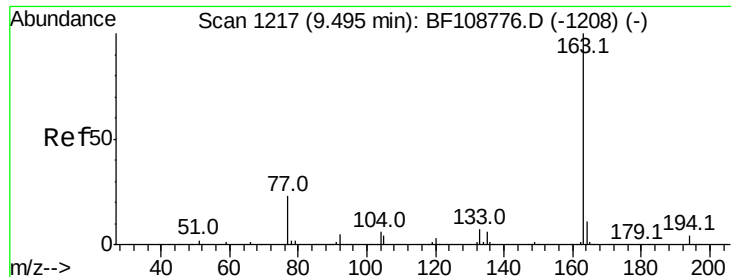
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#44
 2-Fluorobiphenyl
 Concen: 17.683 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.7	19.6	29.4





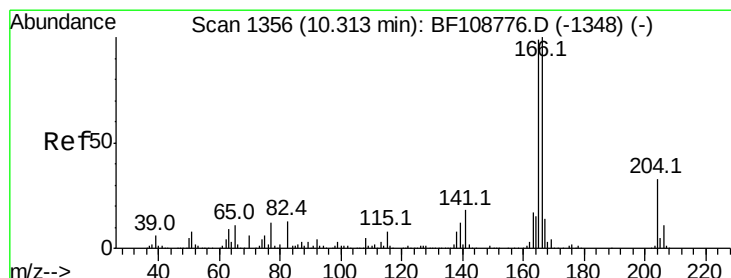
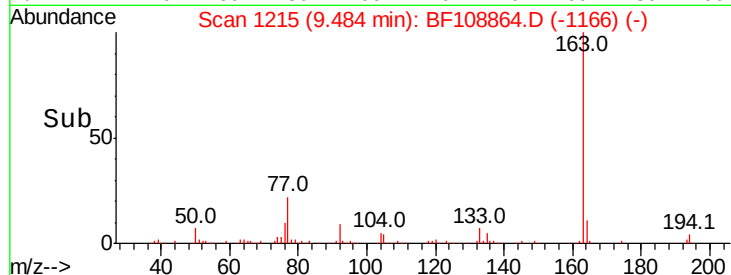
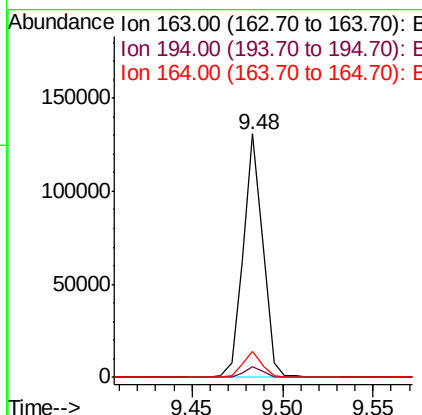
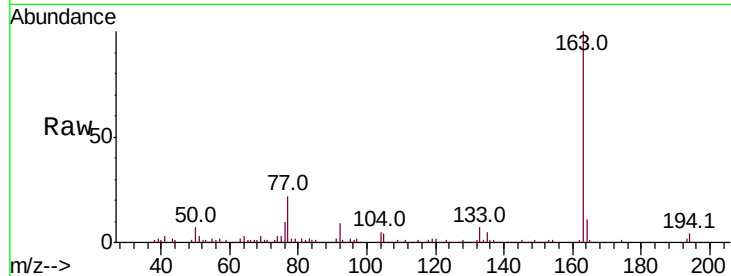
#49
Dimethylphthalate
Concen: 3.347 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	10.5	8.2	12.2	

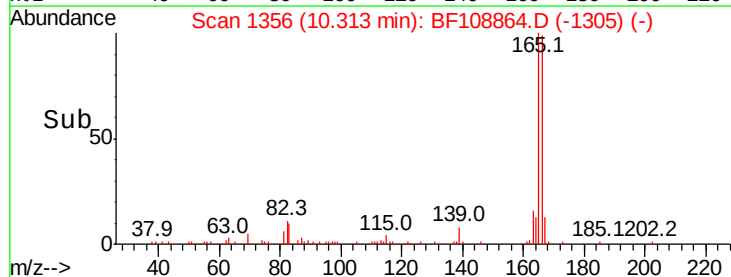
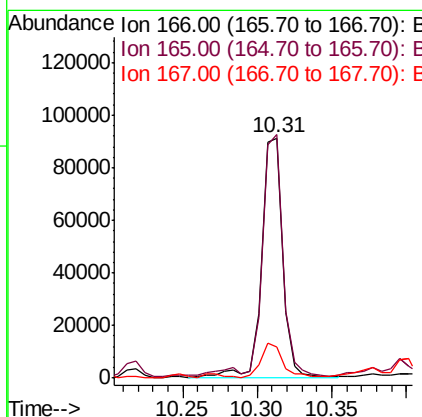
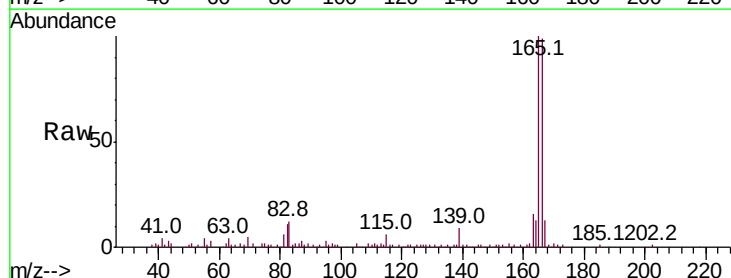
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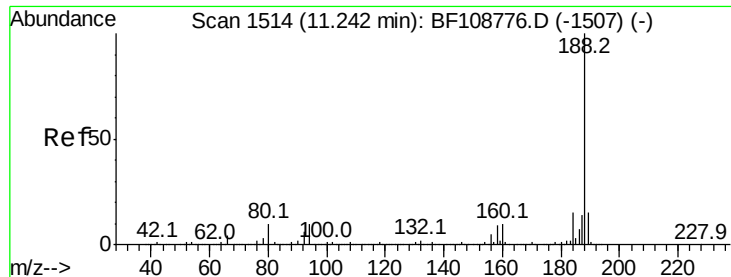
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#57
Fluorene
Concen: 3.858 ng
RT: 10.31 min Scan# 1356
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.4	79.8	119.8	
167	13.2	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: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

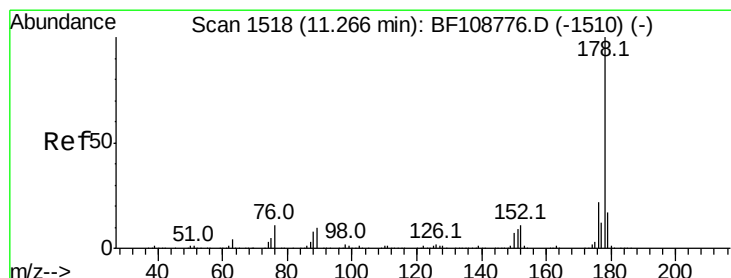
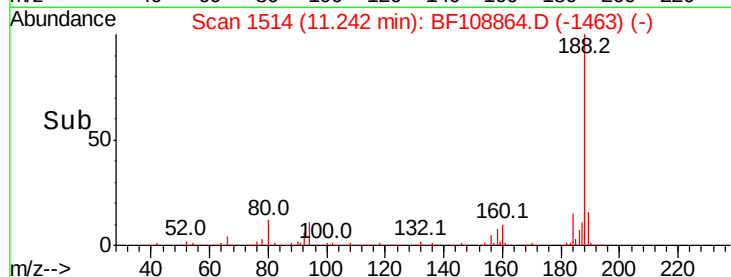
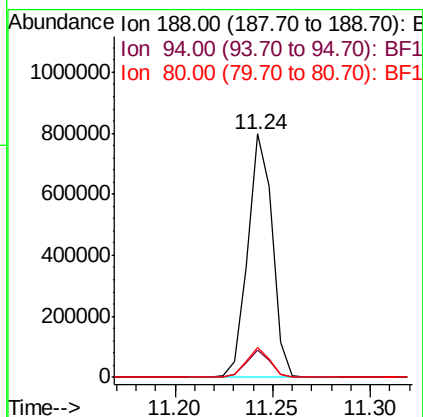
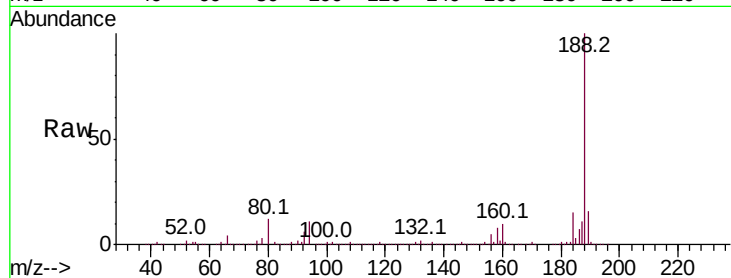
ClientSampleId :

SU-03-090618-A

Tot Ion:188	Resp: 693044
Ion Ratio	Lower Upper
188 100	
94 11.2	8.5 12.7
80 12.0	9.2 13.8

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#70

Phenanthrene

Concen: 18.181 ng

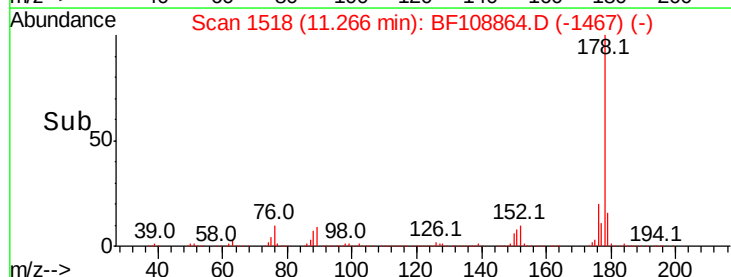
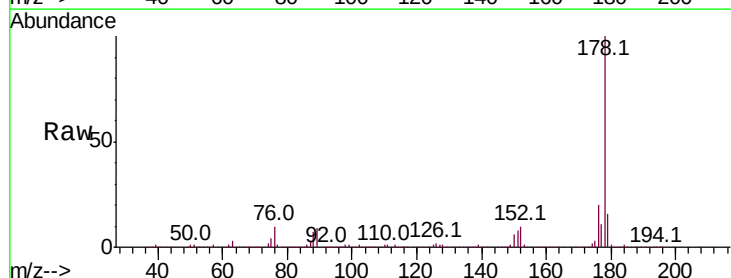
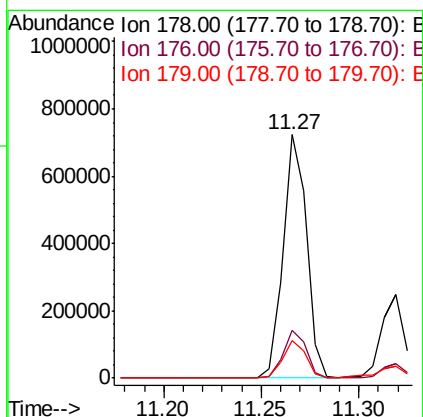
RT: 11.27 min Scan# 1518

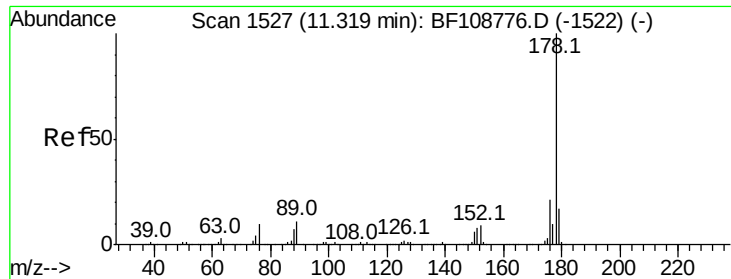
Delta R.T. 0.00 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Tgt Ion:178	Resp: 601724
Ion Ratio	Lower Upper
178 100	
176 19.7	15.8 23.8
179 15.6	13.0 19.6





#71

Anthracene

Concen: 6.165 ng

RT: 11.32 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

SU-03-090618-A

Tot Ion:178 Resp: 195340

Ion Ratio Lower Upper

178 100

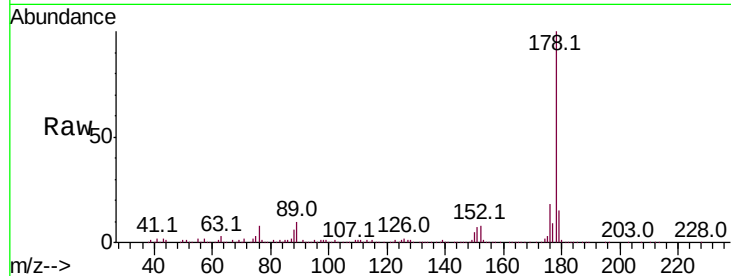
176 18.1 15.4 23.2

179 15.0 12.6 19.0

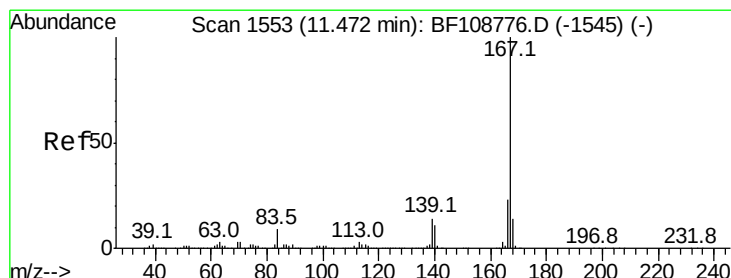
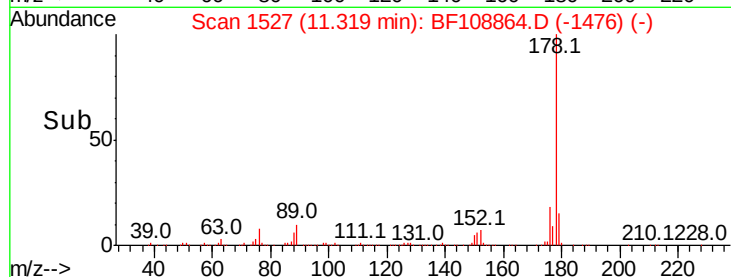
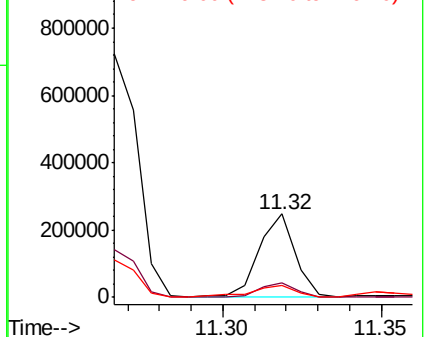
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.689 ng

RT: 11.47 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

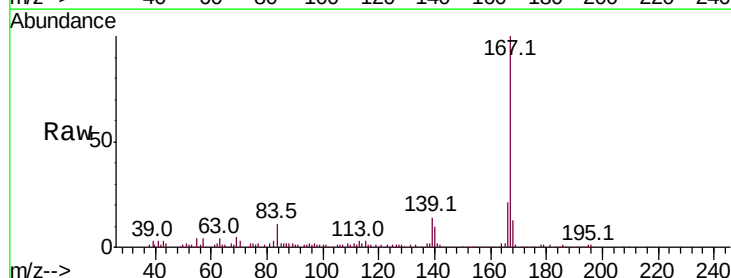
Tgt Ion:167 Resp: 89725

Ion Ratio Lower Upper

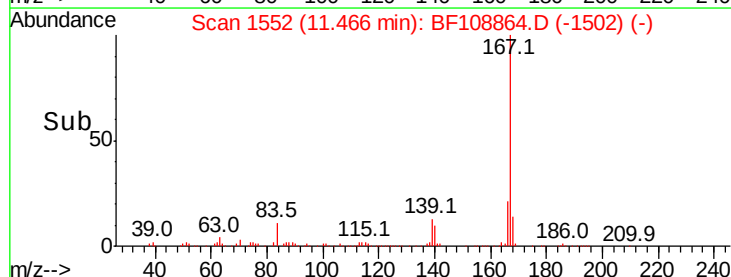
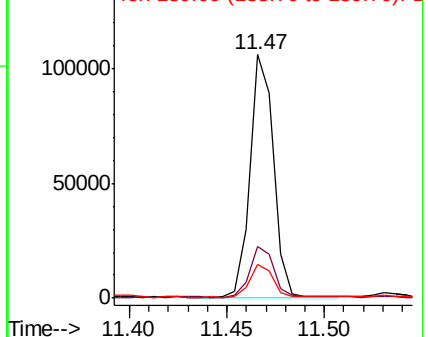
167 100

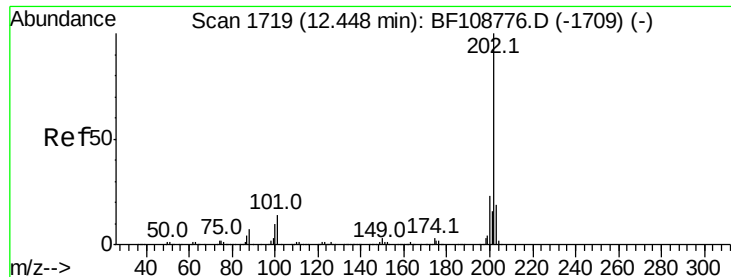
166 21.0 17.6 26.4

139 13.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 23.200 ng

RT: 12.45 min Scan# 1720

Delta R.T. 0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

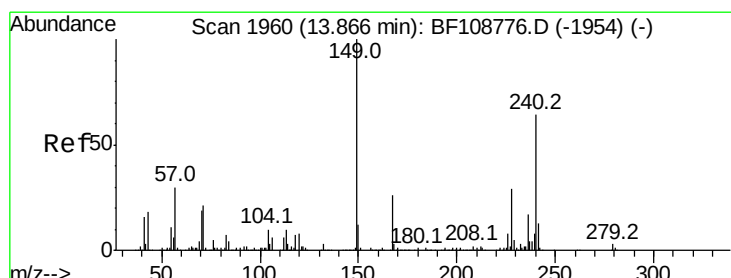
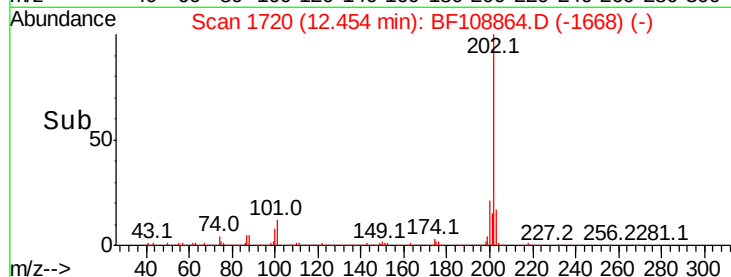
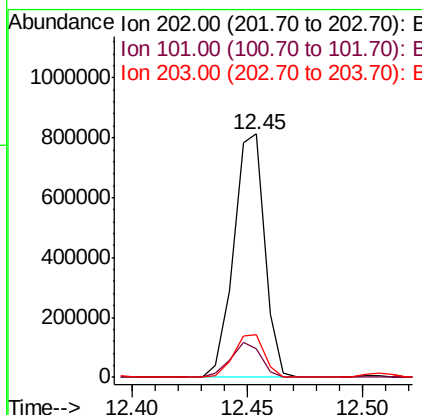
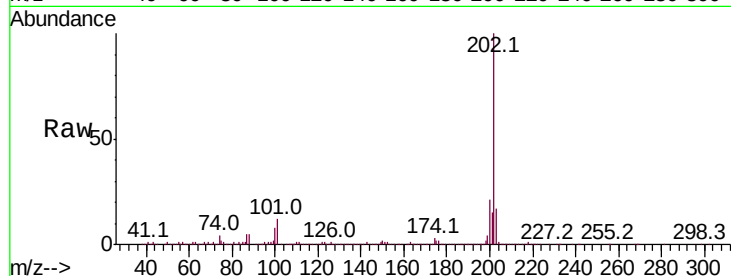
ClientSampleId :

SU-03-090618-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

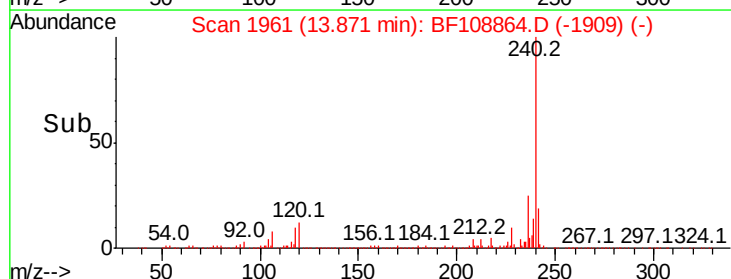
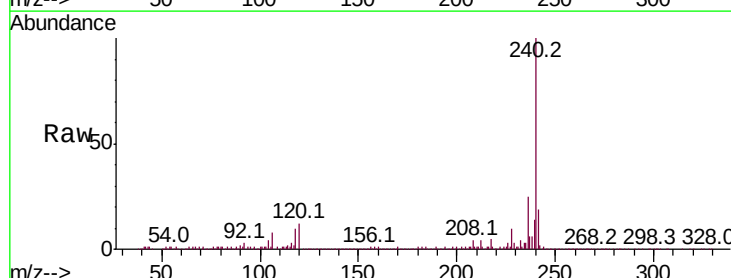
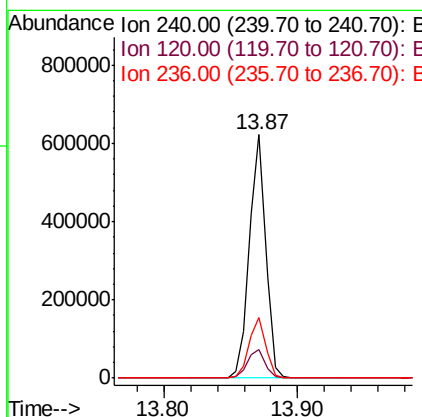
RT: 13.87 min Scan# 1961

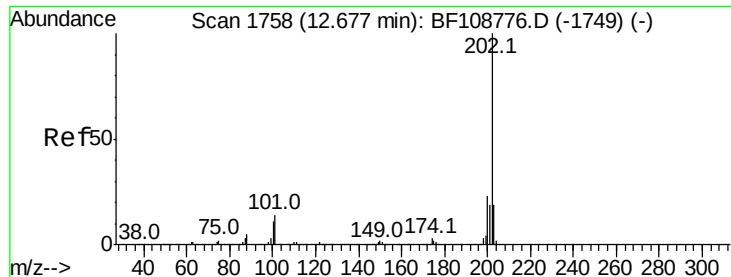
Delta R.T. 0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	9.5	14.3
236	25.0	20.7	31.1





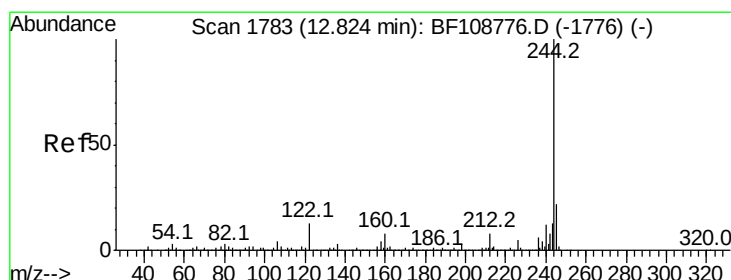
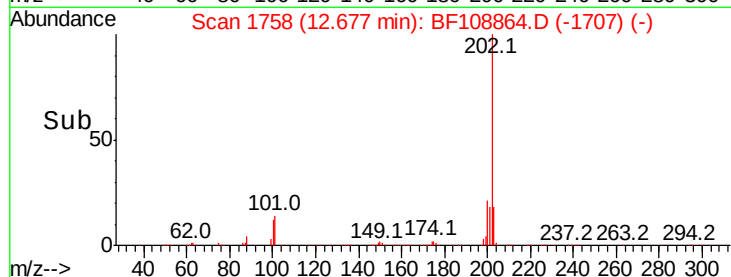
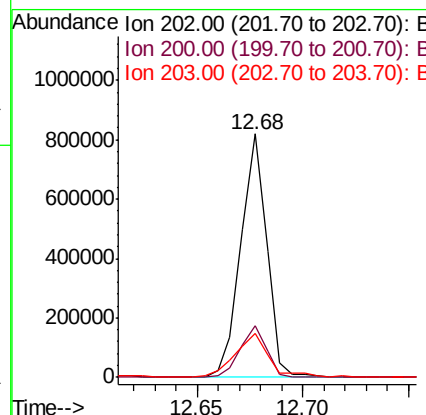
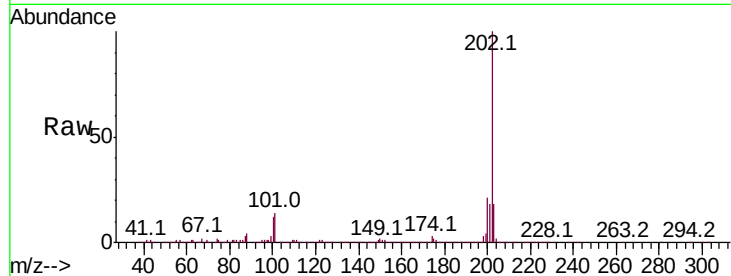
#77
Pvrene
Concen: 17.426 ng
RT: 12.68 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.1	14.3	21.5

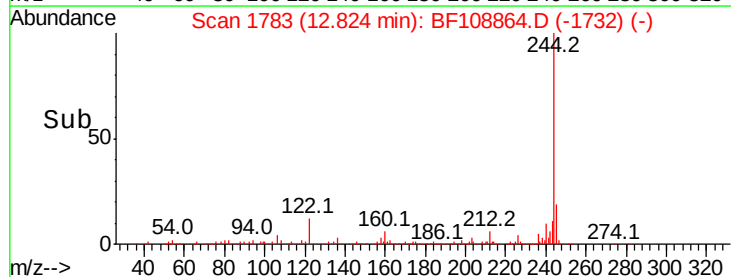
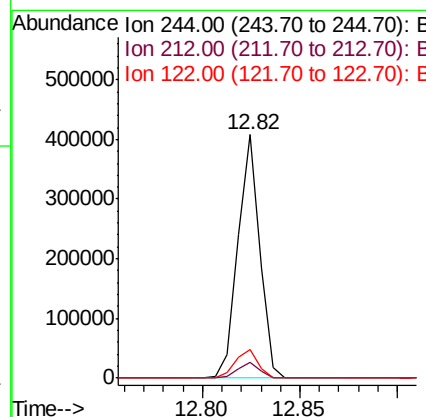
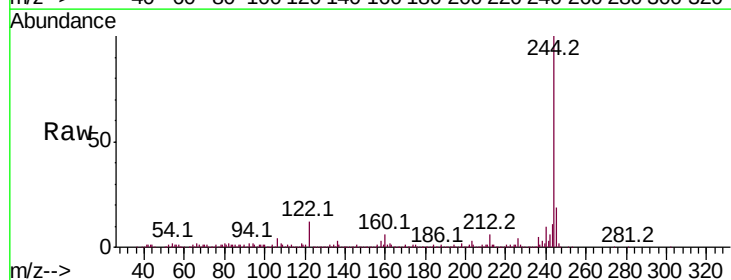
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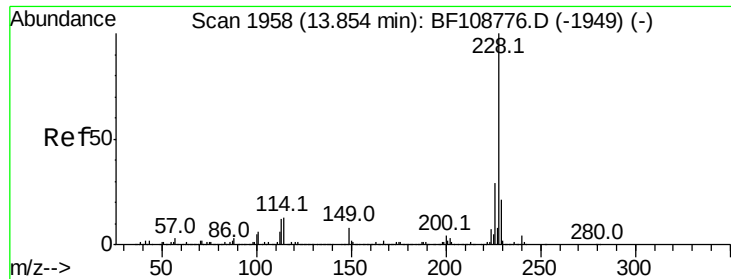
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#78
Terphenyl-d14
Concen: 14.203 ng
RT: 12.82 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.3	5.4	8.0
122	11.8	11.0	16.4





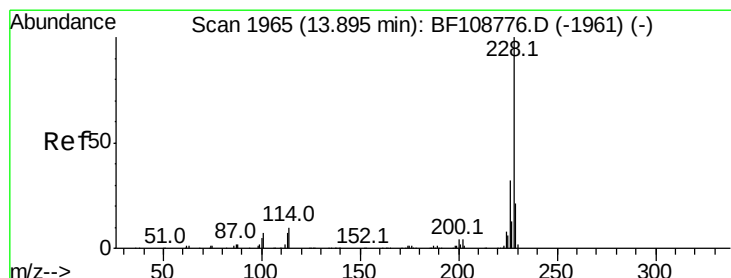
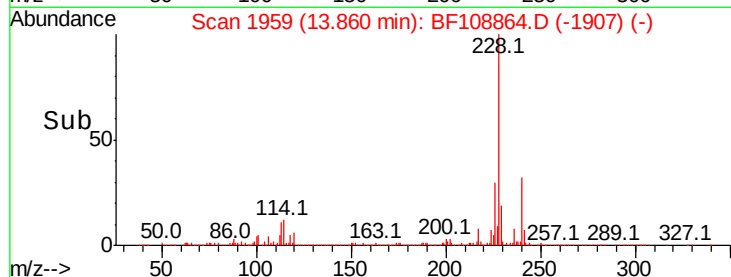
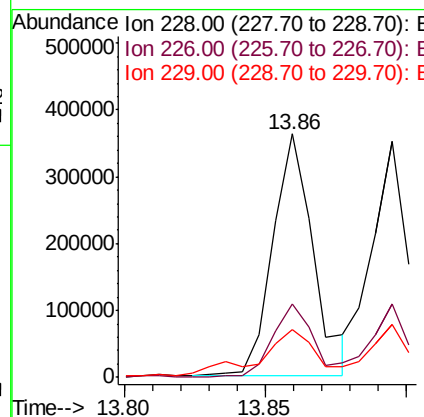
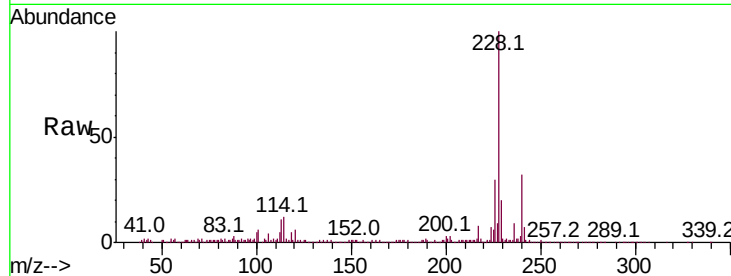
#80
Benzo(a)anthracene
Concen: 10.931 ng
RT: 13.86 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	19.9	15.8	23.6

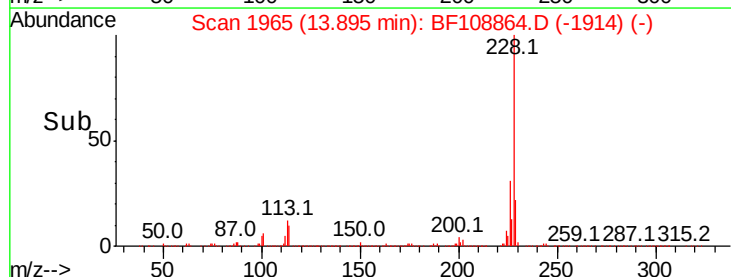
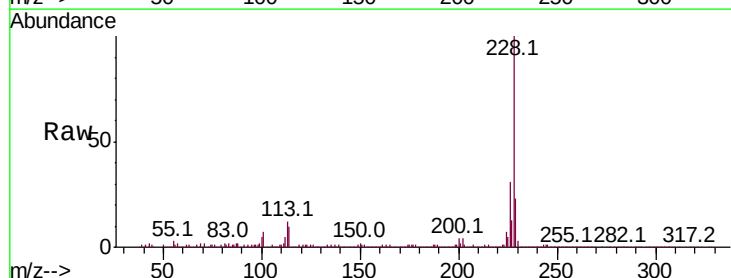
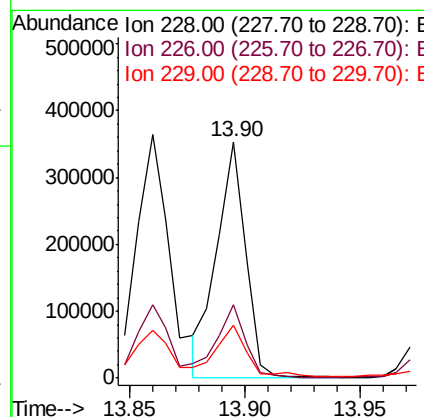
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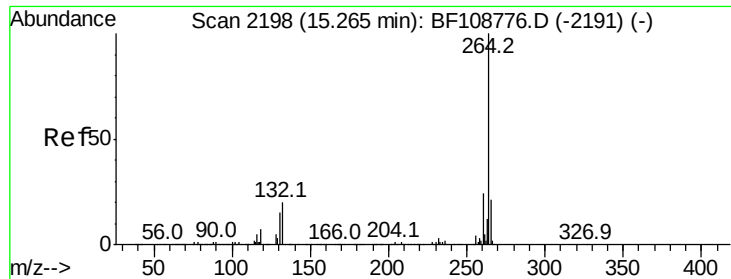
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#82
Chrysene
Concen: 9.442 ng
RT: 13.90 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.5	16.2	24.4





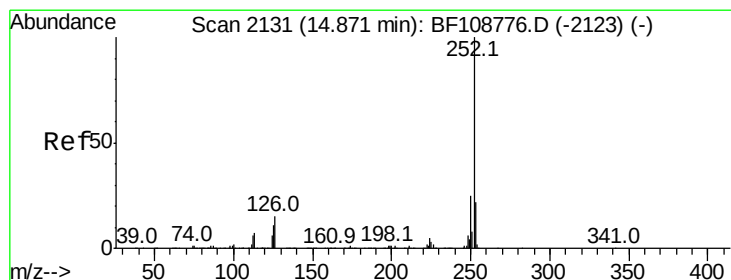
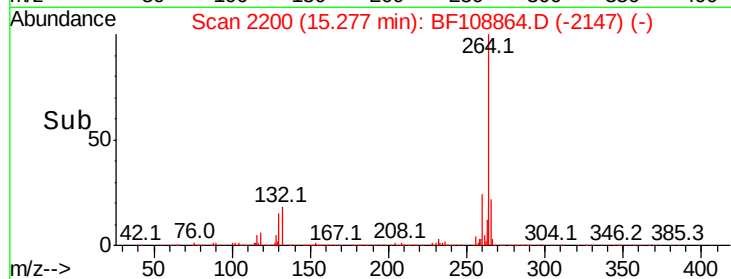
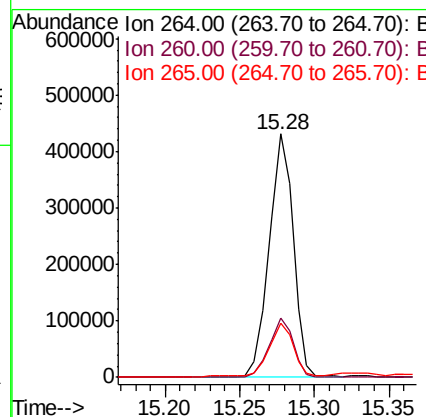
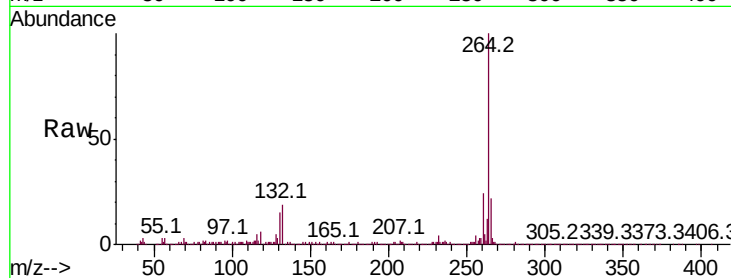
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-A

Tot Ion:	264	Resp:	477907
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	22.3	17.5	26.3

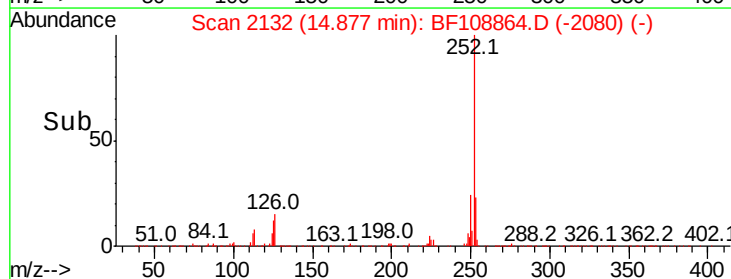
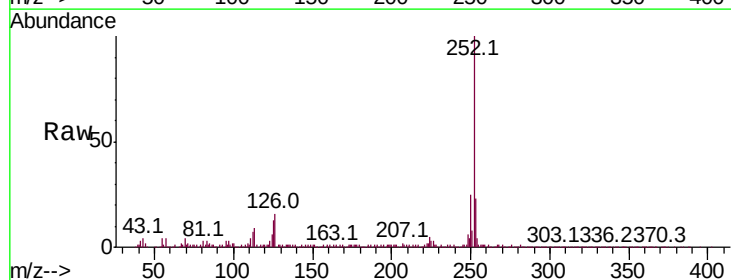
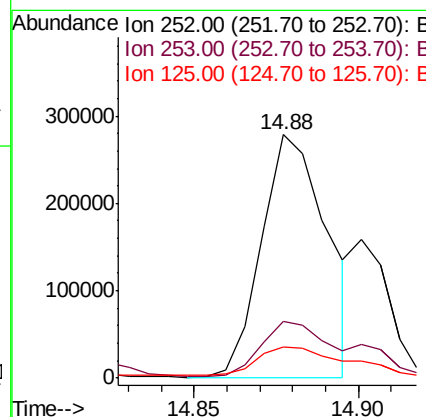
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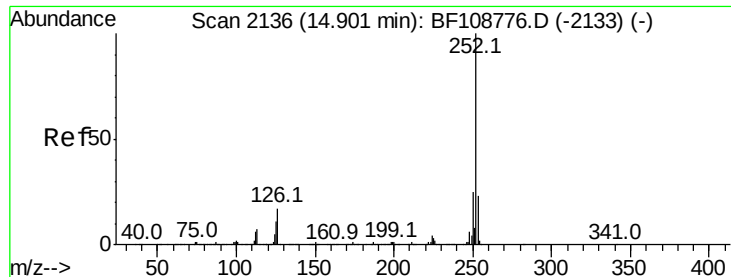
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#87
Benzo(b)fluoranthene
Concen: 14.886 ng m
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion:	252	Resp:	386830
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	13.0	9.0	13.6





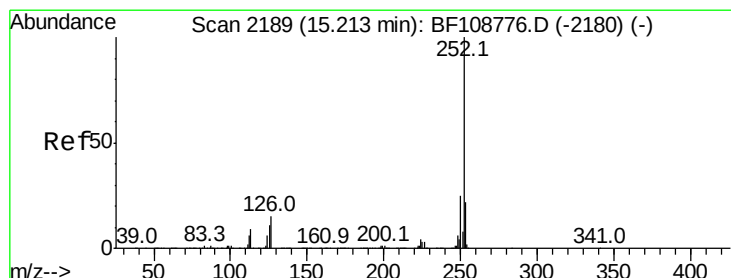
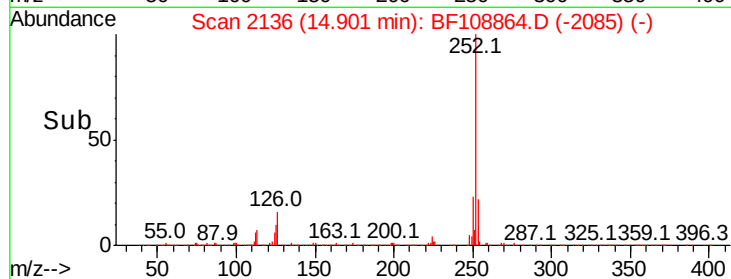
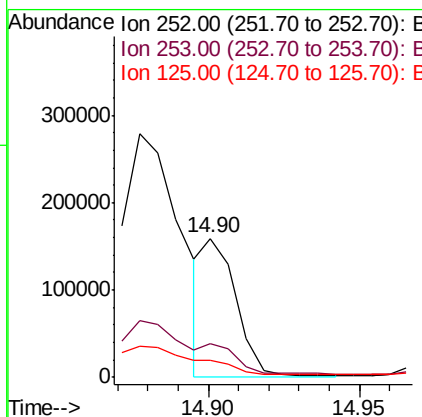
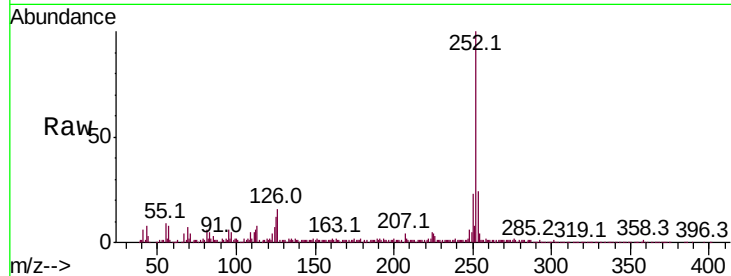
#88
Benzo(k)fluoranthene
Concen: 5.171 ng m
RT: 14.90 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	12.2	10.2	15.2

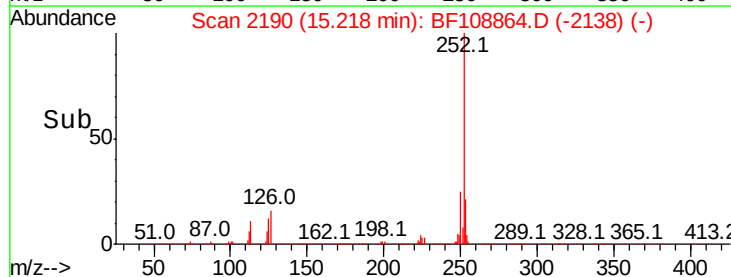
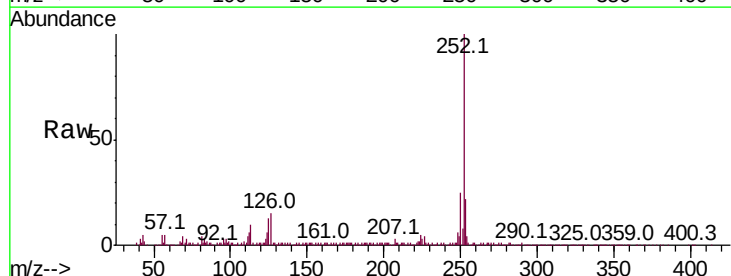
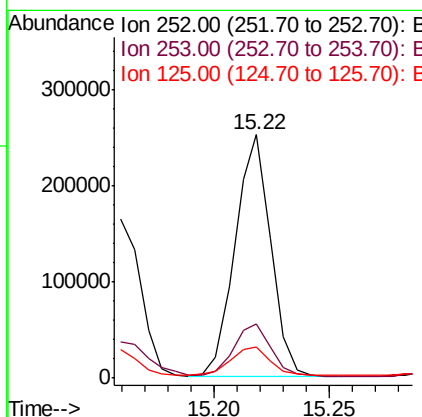
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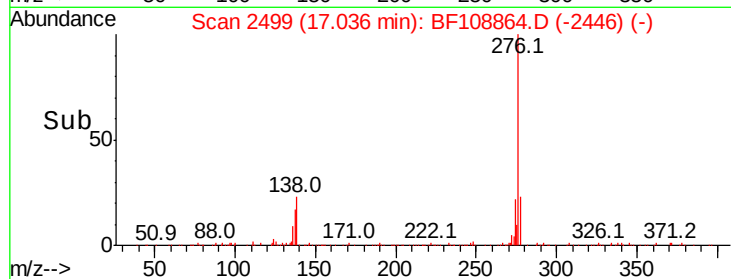
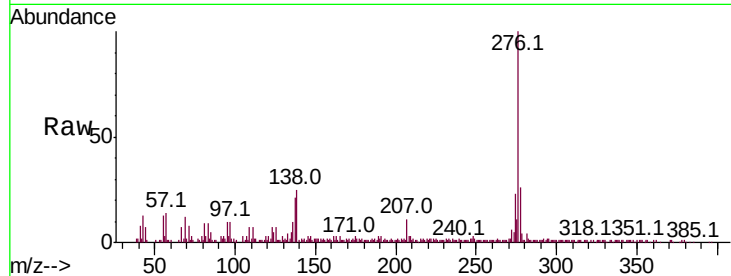
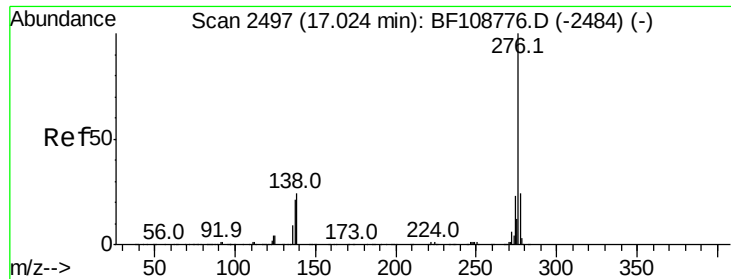
Sohil
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#89
Benzo(a)pyrene
Concen: 11.615 ng
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	12.6	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 5.985 ng

RT: 17.04 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

SU-03-090618-A

Tot Ion:	276	Resp:	123822
Ion Ratio	Lower	Upper	
276	100		
277	25.5	17.9	26.9
138	24.5	21.8	32.8

Manual Integrations
APPROVED

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