

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108347.D
 Acq On : 21 Aug 2018 19:47
 Operator : JU/SJ
 Sample : J4521-22DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11979DL

Manual Integrations
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Sohil
 8/22/2018 4:02:57 PM

Quant Time: Aug 21 23:56:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	190507	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	721364	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	342288	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	574847	20.00	ng	-0.02
75) Chrysene-d12	14.20	240	376297	20.00	ng	-0.02
86) Perylene-d12	15.76	264	386512	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	449235	42.69	ng	0.00
7) Phenol-d6	6.62	99	608459	43.51	ng	-0.01
23) Nitrobenzene-d5	7.56	82	403648	31.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	140557	41.17	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	721206	33.83	ng	-0.02
78) Terphenyl-d14	13.12	244	532229	35.96	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.75	163	55808	2.341	ng	99
51) Acenaphthene	10.08	154	42929	2.223	ng	97
57) Fluorene	10.59	166	70396	3.178	ng	97
70) Phenanthrene	11.57	178	755824	27.876	ng	99
71) Anthracene	11.62	178	298140	10.729	ng	99
74) Fluoranthene	12.77	202	1335421	45.129	ng	94
77) Pyrene	13.00	202	1211959	50.872	ng	99
80) Benzo(a)anthracene	14.19	228	645197	29.876	ng	98
82) Chrysene	14.22	228	486343	24.564	ng	98
85) Indeno(1,2,3-cd)pyrene	17.37	276	257550	15.013	ng	# 87
87) Benzo(b)fluoranthene	15.29	252	679607m	29.426	ng	
88) Benzo(k)fluoranthene	15.31	252	229188m	10.795	ng	
89) Benzo(a)pyrene	15.69	252	505912m	24.462	ng	
90) Dibenzo(a,h)anthracene	17.37	278	69807	4.079	ng	94
91) Benzo(a,h,i)perylene	17.86	276	226275	13.429	ng	# 91

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

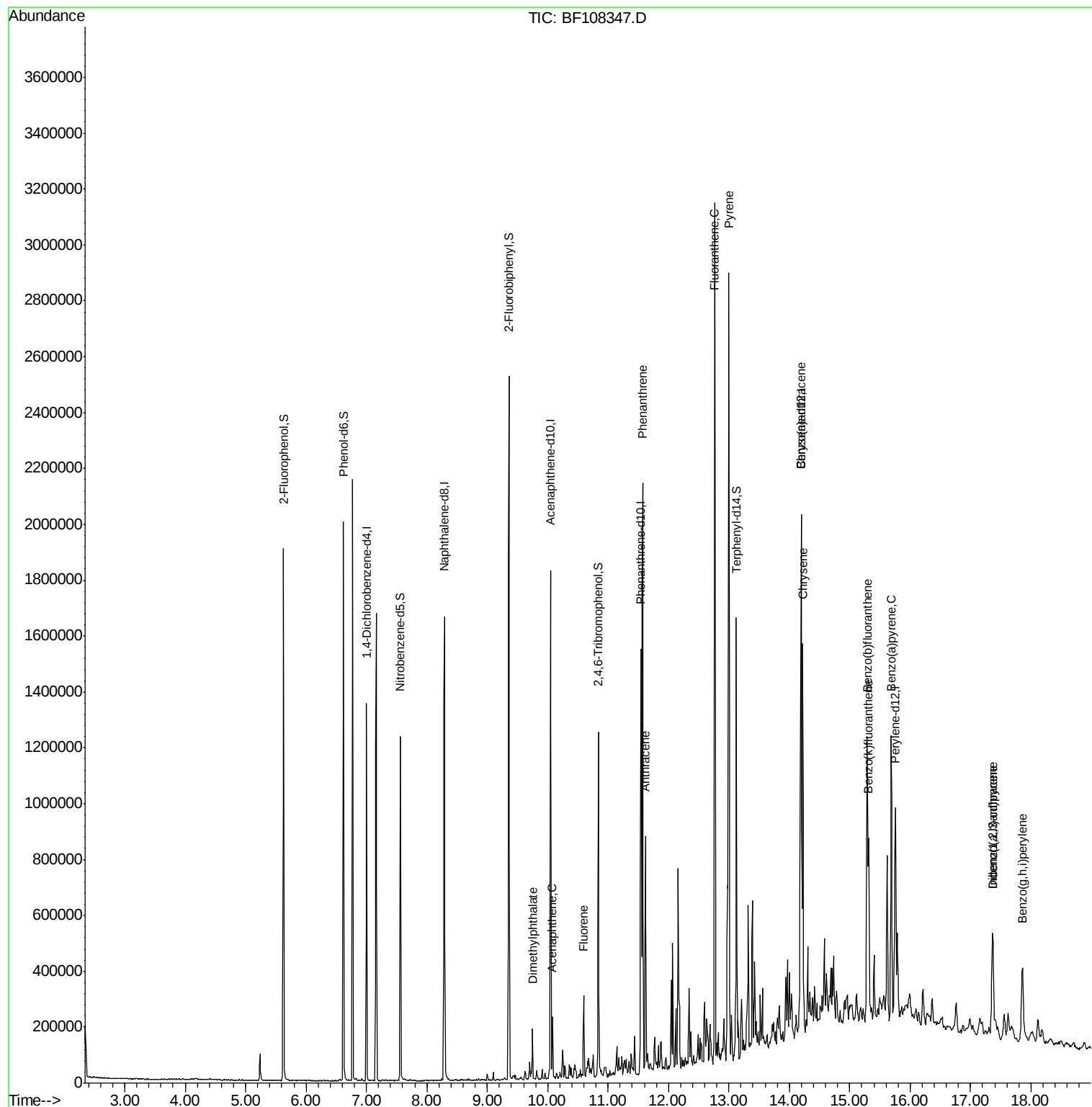
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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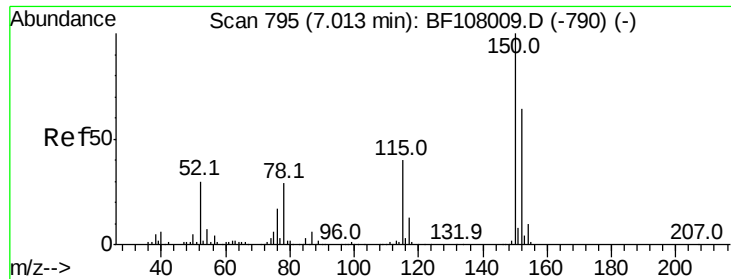
Instrument :
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#1

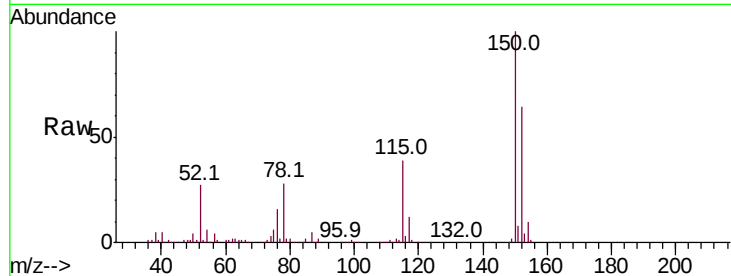
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Instrument :
BNA_F
ClientSampleId :
72-11979DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	61.2	50.1	75.1

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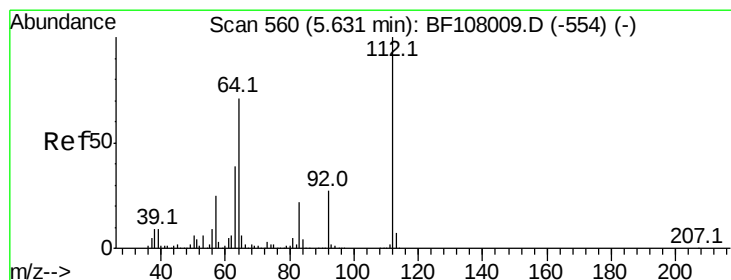
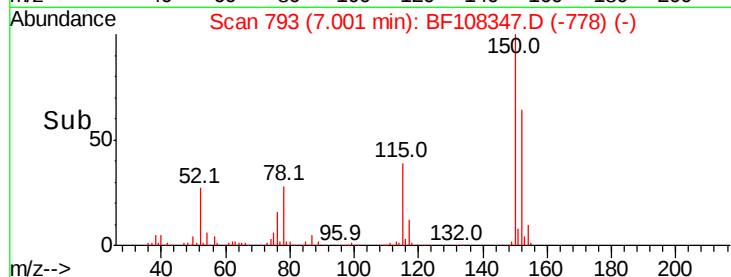
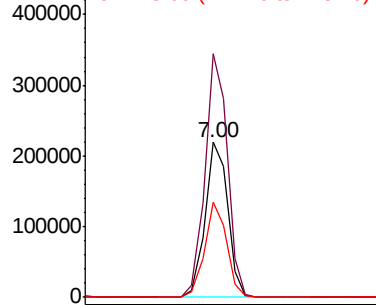


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

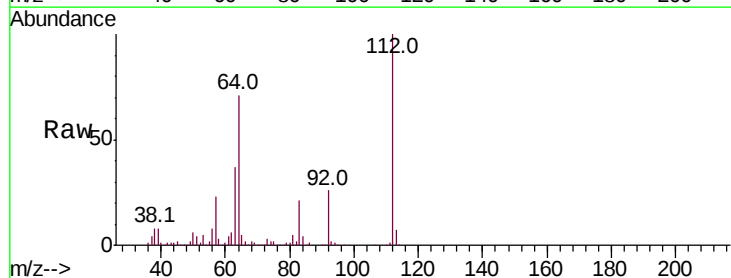
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.692 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	47.9	71.9
63	37.2	23.7	35.5

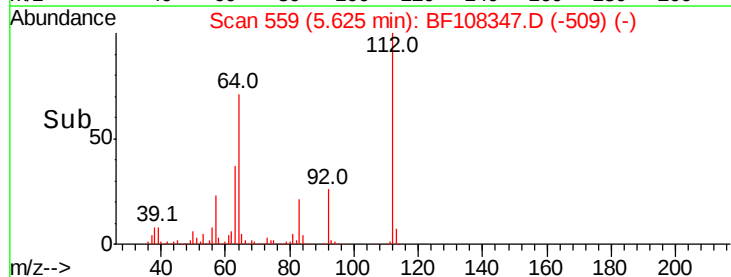
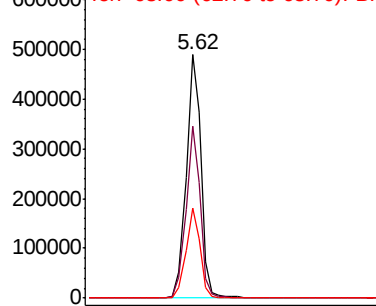


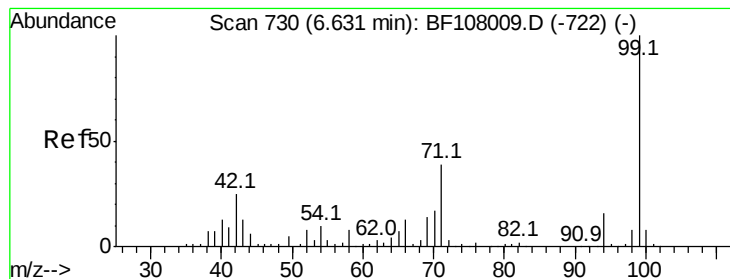
Abundance

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: 43.514 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampled :

72-11979DL

Tot Ion: 99 Resp: 608459

Ion Ratio Lower Upper

99 100

42 22.0 14.5 21.7#

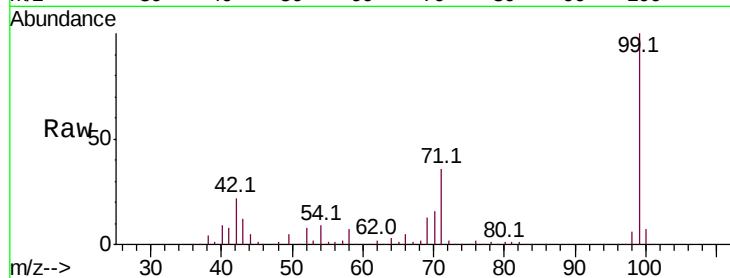
71 36.0 25.4 38.0

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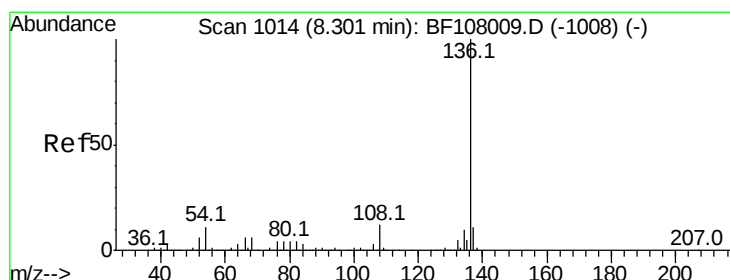
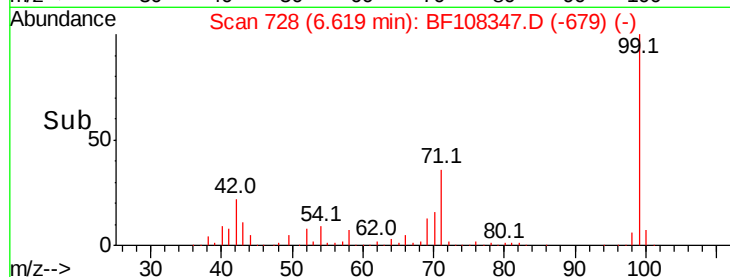
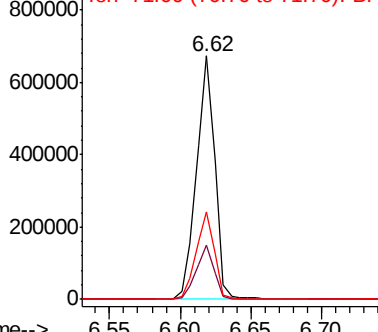
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Tgt Ion: 136 Resp: 721364

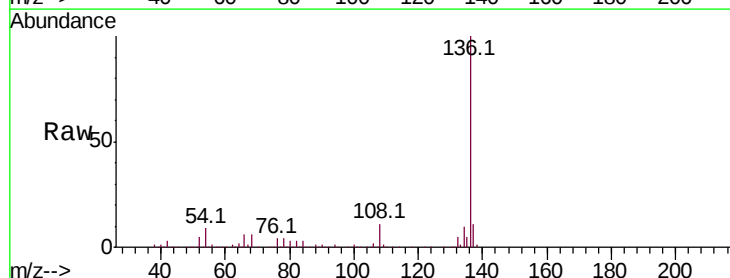
Ion Ratio Lower Upper

136 100

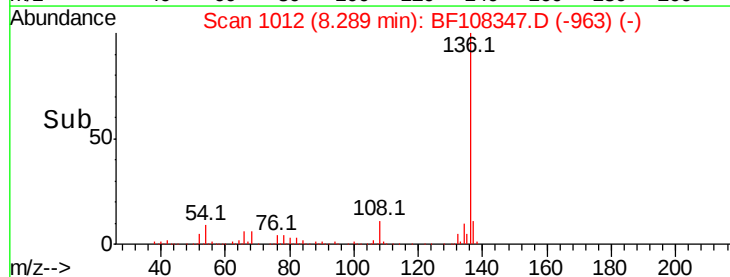
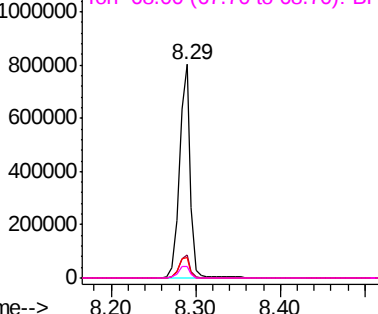
137 11.0 8.9 13.3

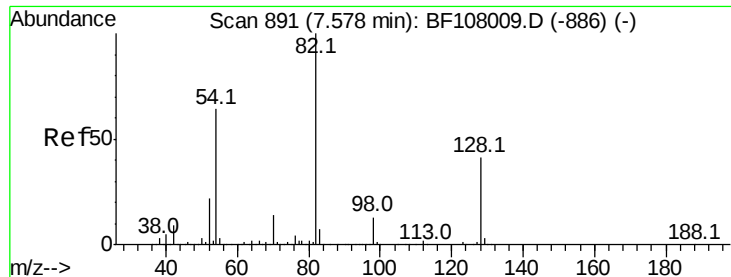
54 9.5 6.6 9.8

68 5.7 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





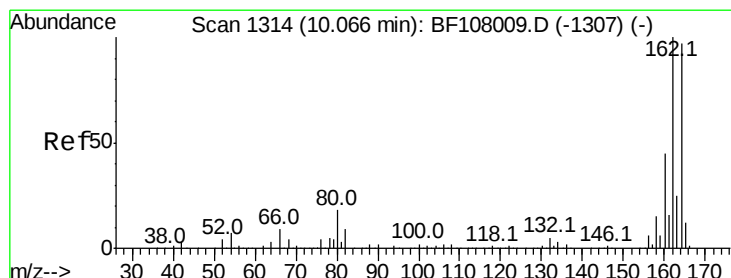
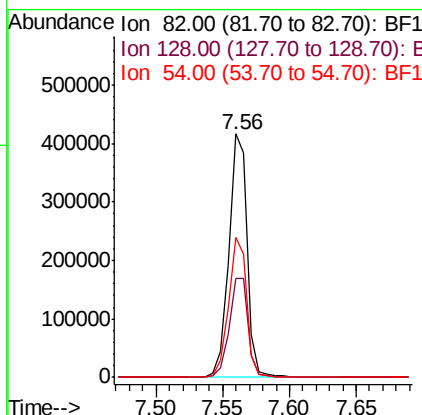
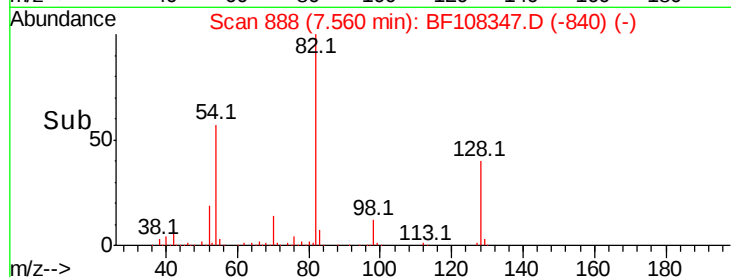
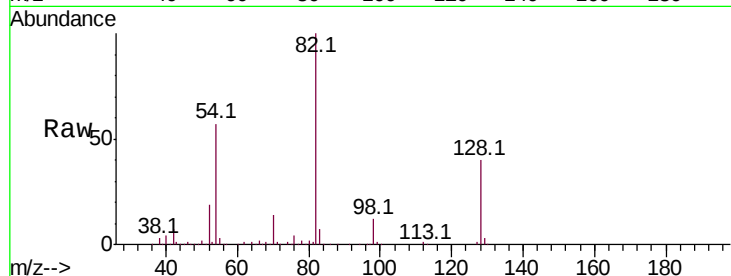
#23
Nitrobenzene-d5
Concen: 31.224 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Instrument :
BNA_F
ClientSampleId :
72-11979DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.4	36.1	54.1
54	57.4	41.4	62.2

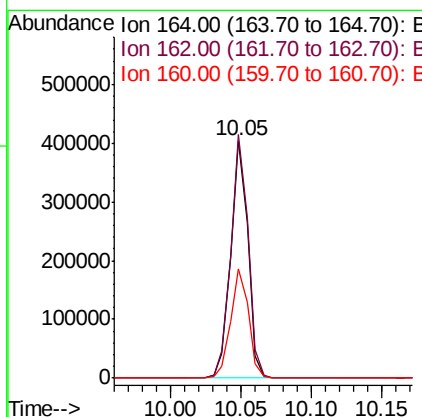
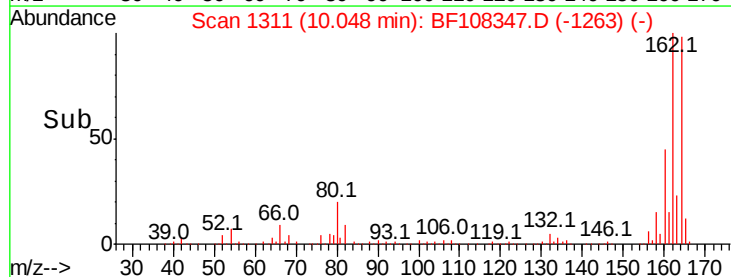
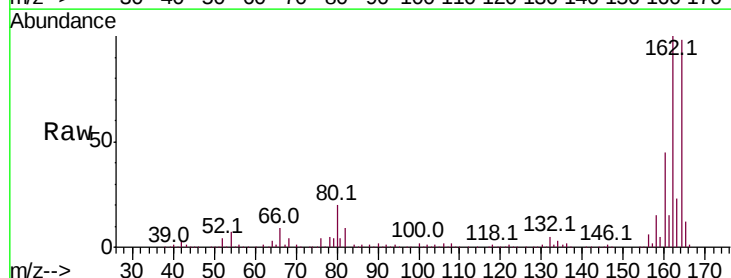
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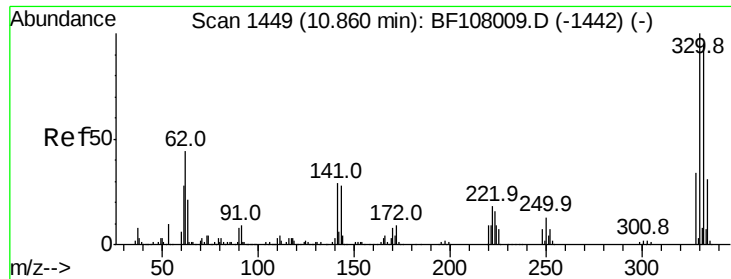
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	45.8	38.3	57.5





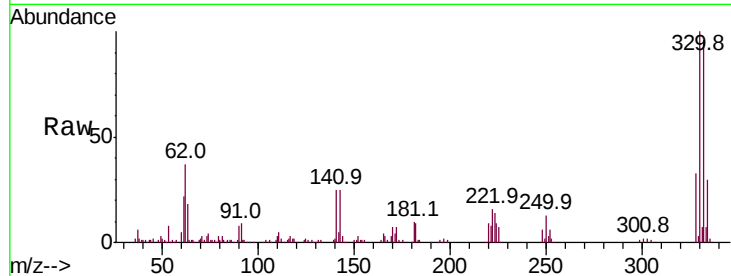
#41
 2,4,6-Tribromophenol
 Concen: 41.168 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

Instrument :
 BNA_F
 ClientSampleId :
 72-11979DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	140557		
332	95.3	77.0	115.6	
141	32.9	29.9	44.9	

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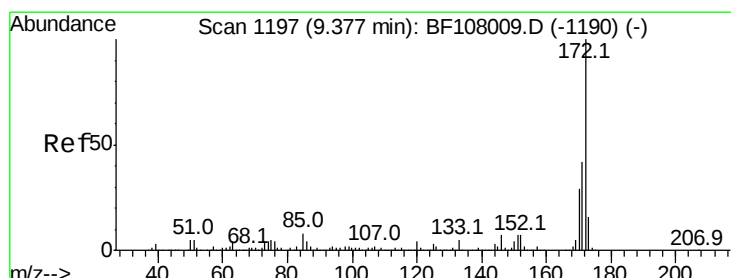
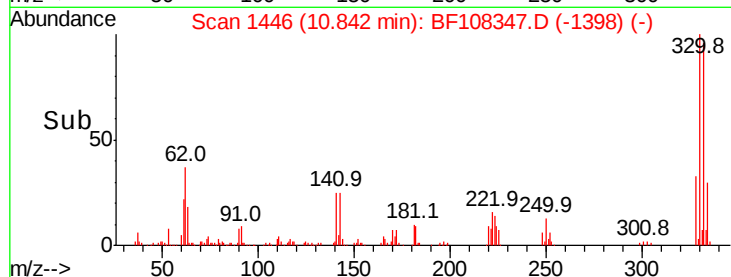
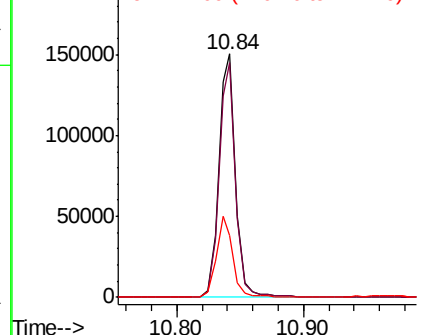


Abundance

Ion 329.80 (329.50 to 330.50): E

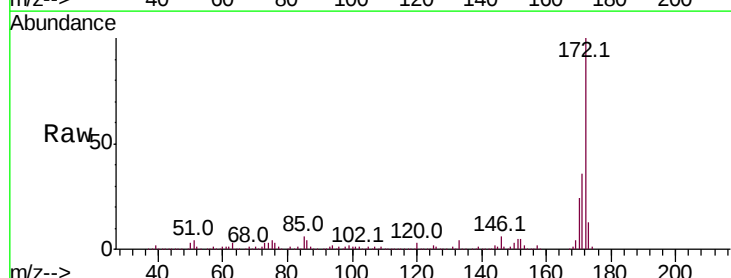
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 33.827 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	721206		
171	36.2	29.7	44.5	
170	24.3	19.6	29.4	

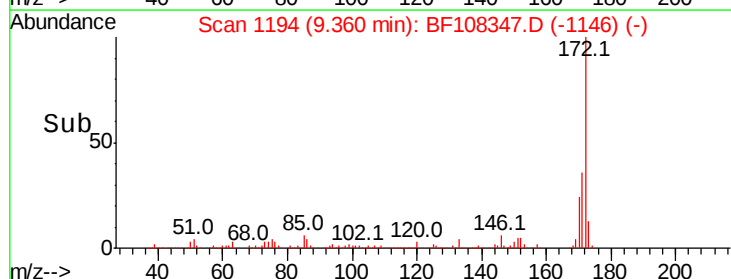
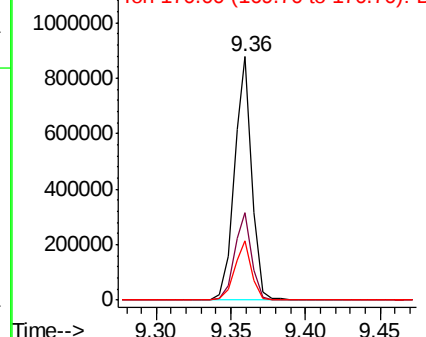


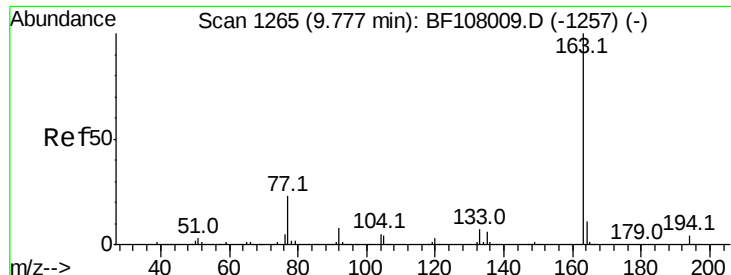
Abundance

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





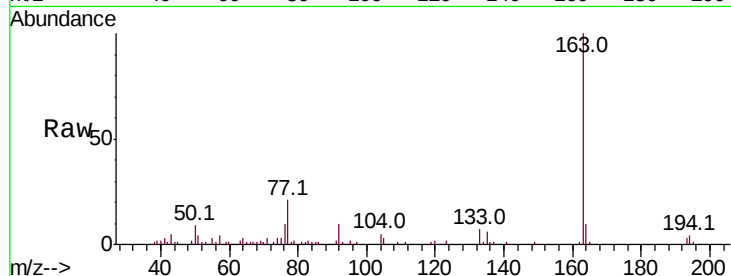
#49
Dimethylphthalate
Concen: 2.341 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.03 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Instrument :
BNA_F
ClientSampleId :
72-11979DL

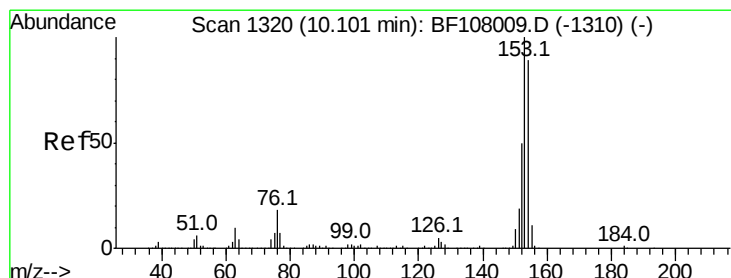
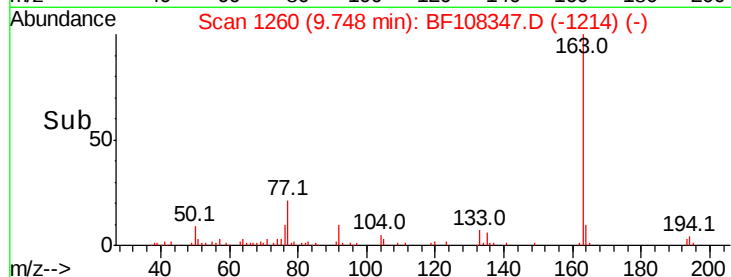
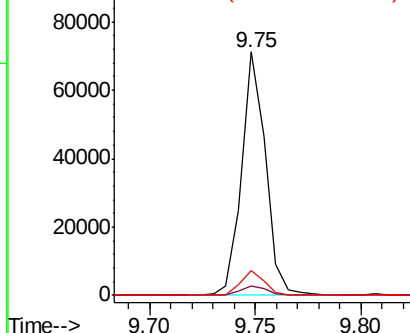
Tot Ion	Ratio	Resp	Lower	Upper
163	100	55808		
194	4.1		2.7	4.1
164	10.0		8.2	12.2

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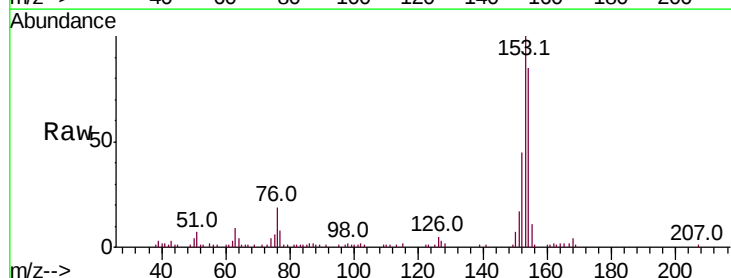


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

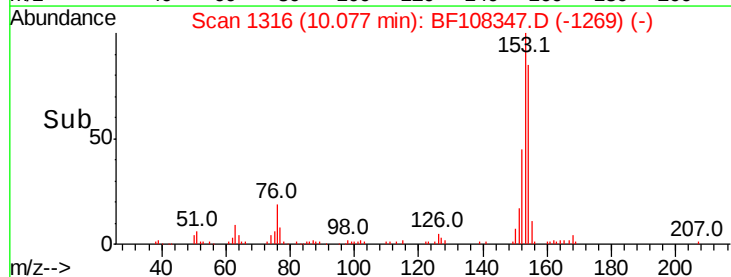
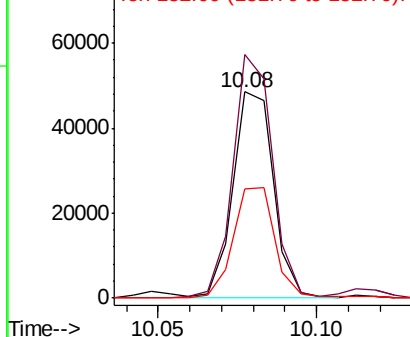


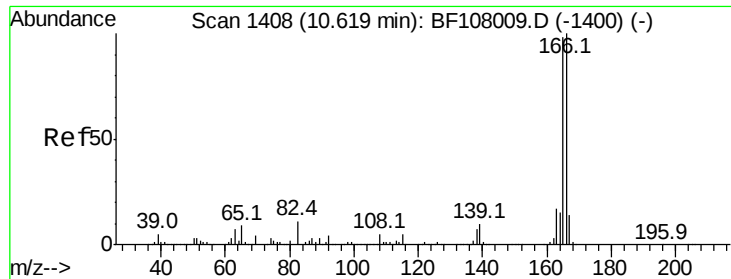
#51
Acenaphthene
Concen: 2.223 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42929		
153	118.2		91.2	136.8
152	53.0		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





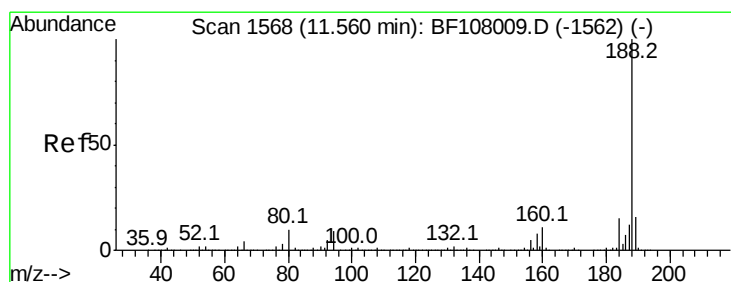
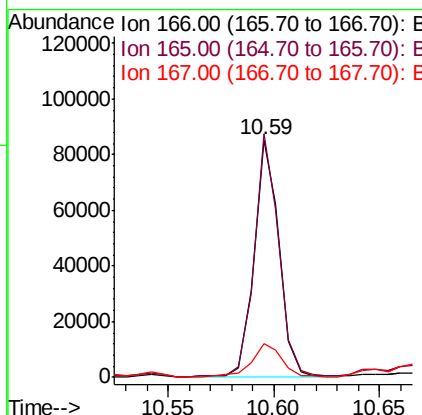
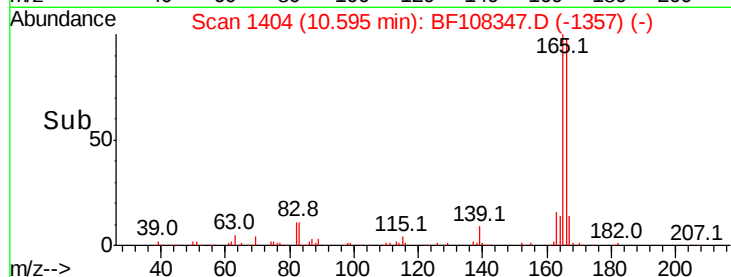
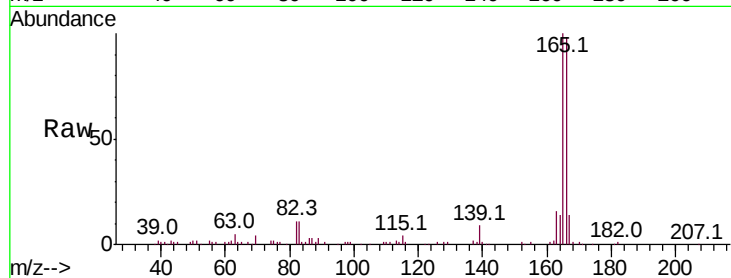
#57
Fluorene
 Concen: 3.178 ng
 RT: 10.59 min Scan# 1404
 Delta R.T. -0.02 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

Instrument :
 BNA_F
 ClientSampleId :
 72-11979DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.5	79.8	119.8
167	14.3	10.6	16.0

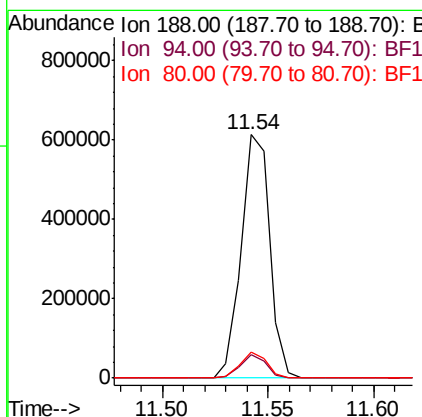
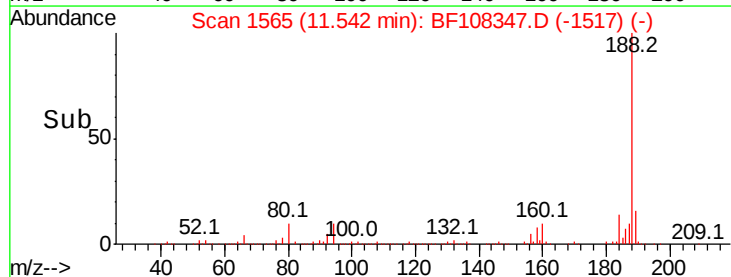
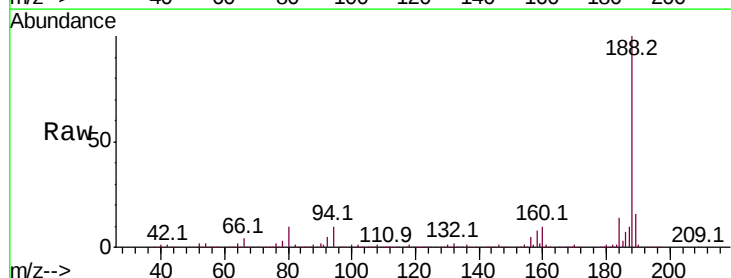
Manual Integrations
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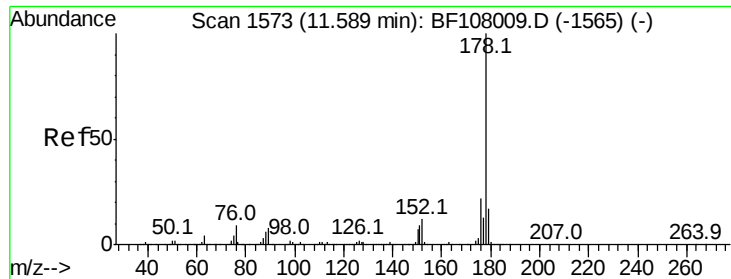
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.5	9.2	13.8





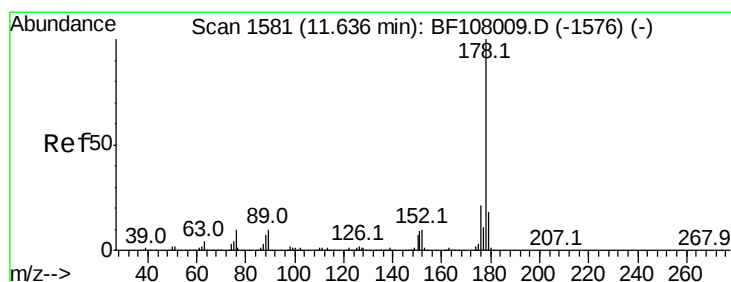
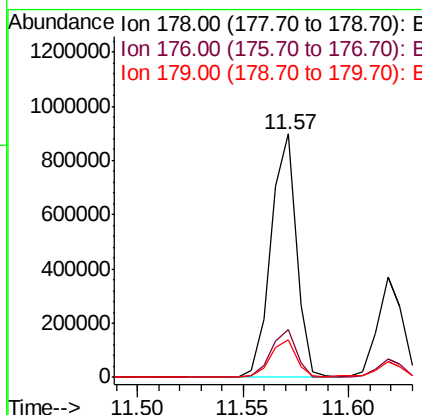
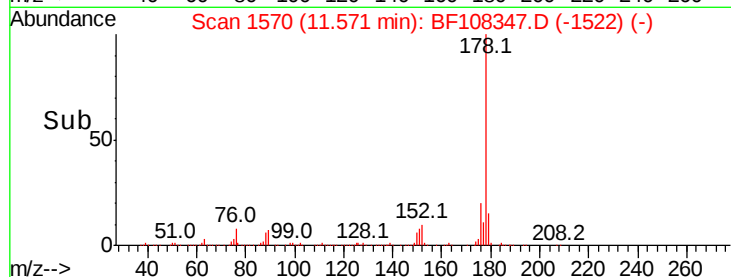
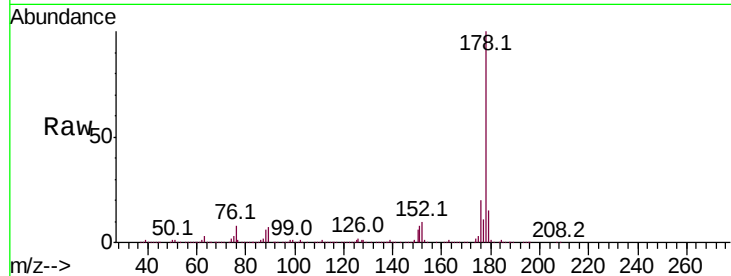
#70
Phenanthrene
Concen: 27.876 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Instrument :
BNA_F
ClientSampleId :
72-11979DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.3	13.0	19.6

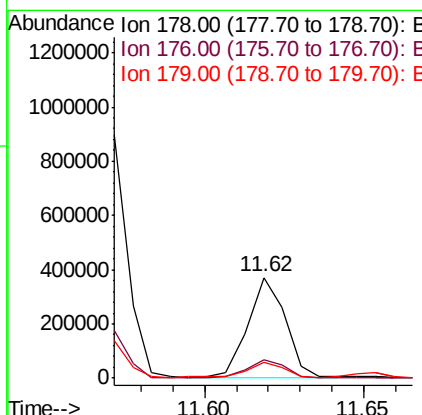
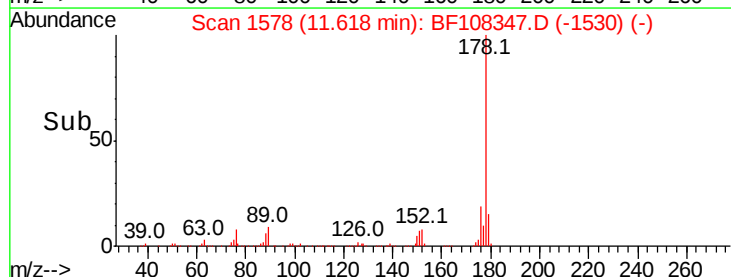
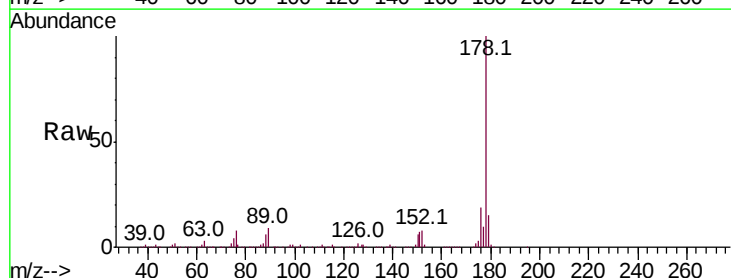
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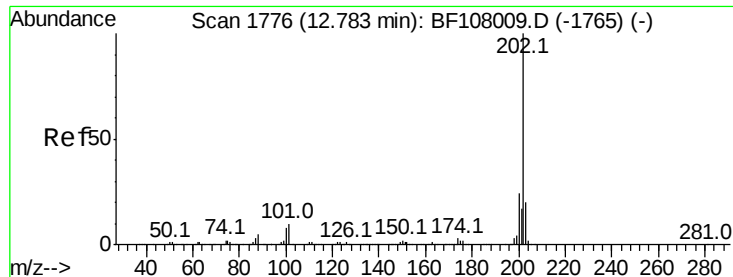
Sohil
8/22/2018 4:02:57 PM



#71
Anthracene
Concen: 10.729 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 45.129 ng

RT: 12.77 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

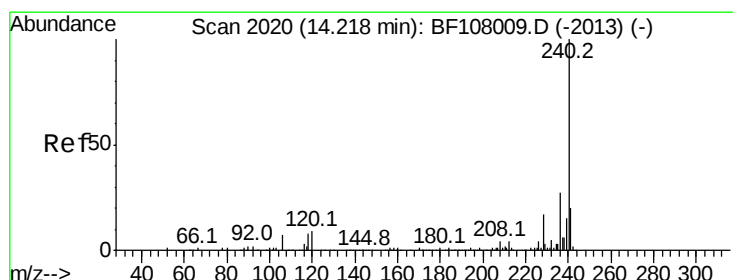
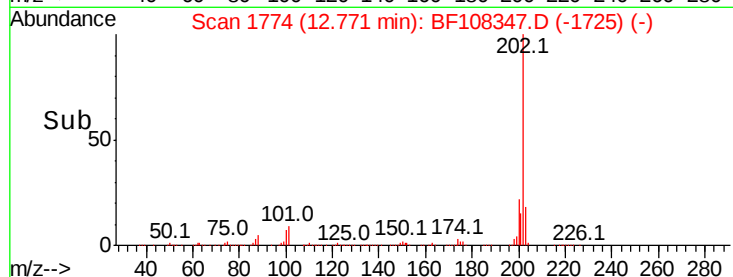
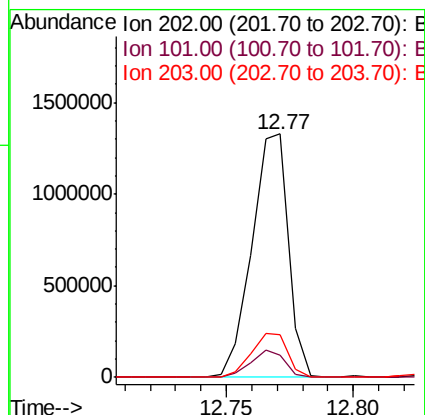
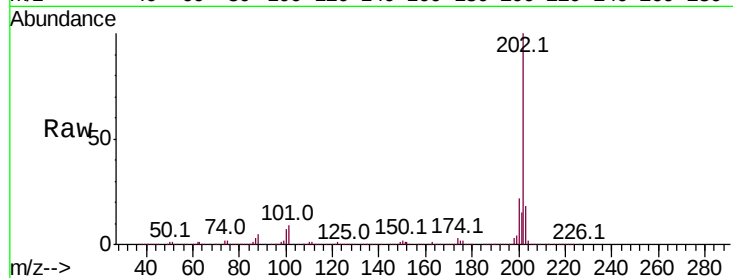
ClientSampleId :

72-11979DL

Tot Ion:	202	Resp:	1335421
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	34.1
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

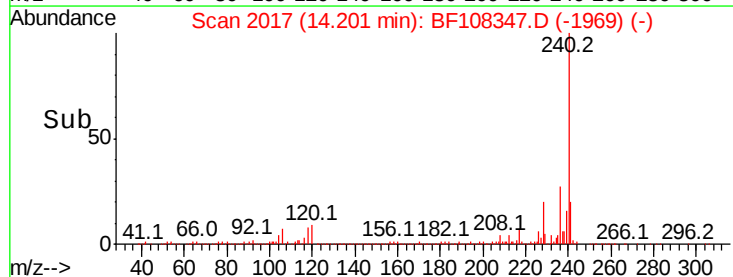
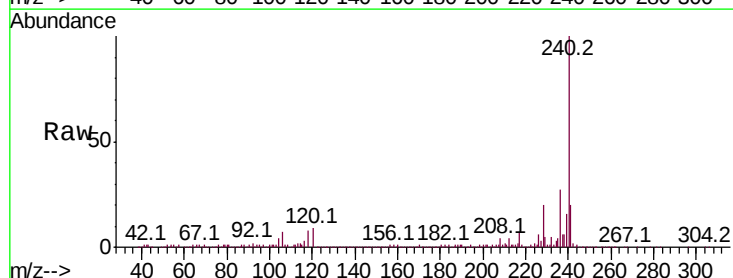
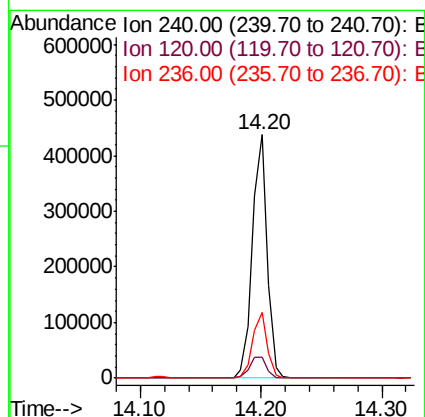
RT: 14.20 min Scan# 2017

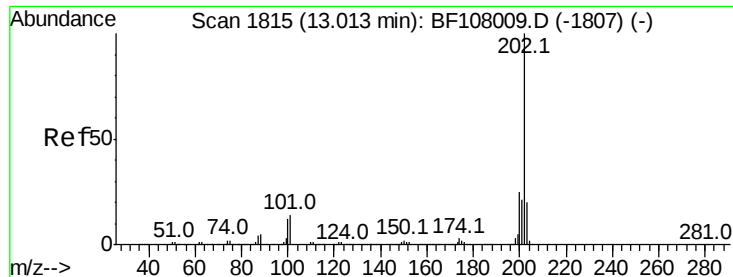
Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Tgt Ion:	240	Resp:	376297
Ion Ratio	Lower	Upper	
240	100		
120	8.8	9.5	14.3#
236	26.9	20.7	31.1





#77

Pvrene

Concen: 50.872 ng

RT: 13.00 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

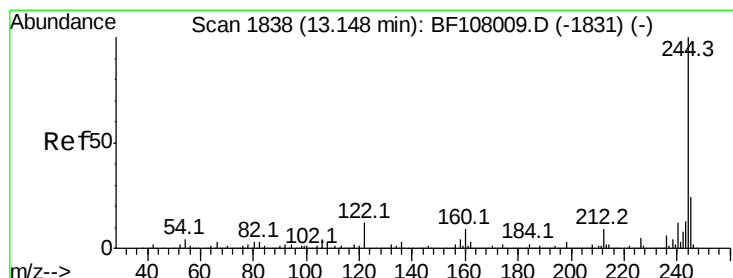
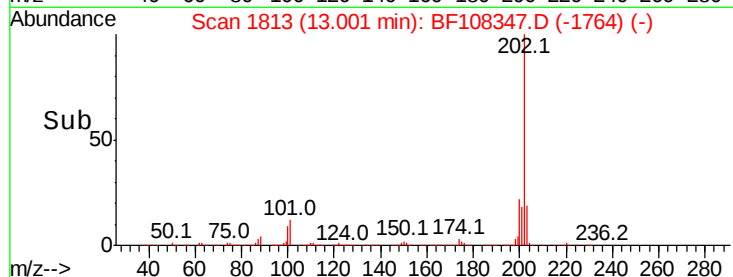
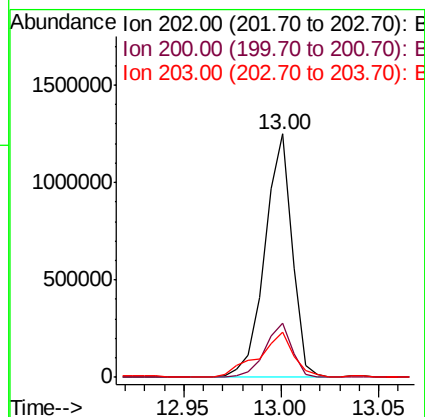
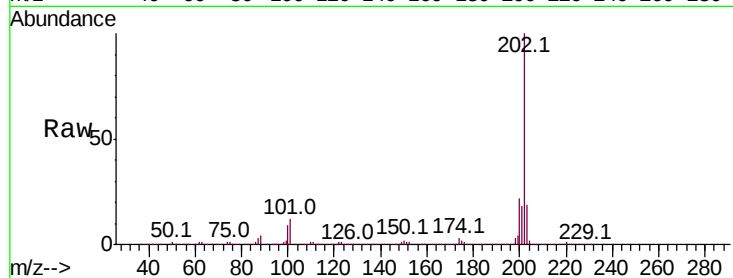
ClientSampleId :

72-11979DL

Tot Ion:	202	Resp:	1211959
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 35.962 ng

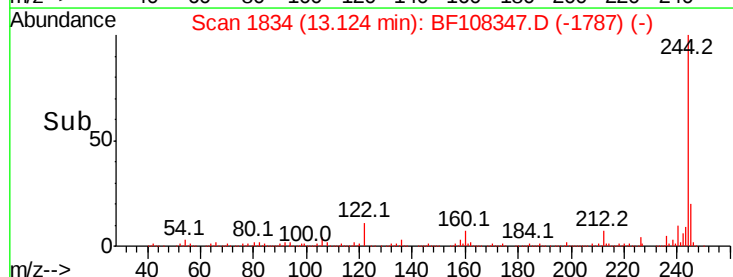
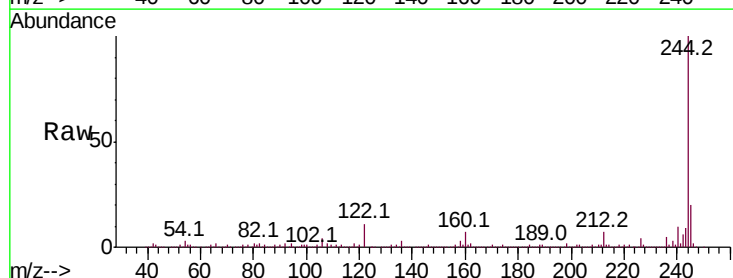
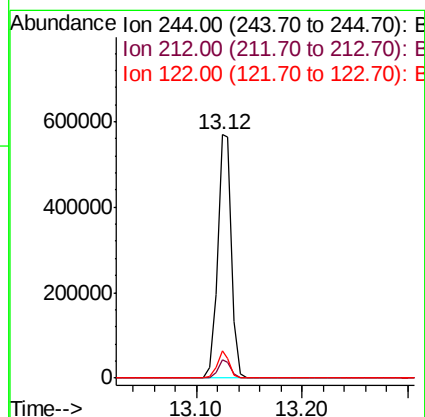
RT: 13.12 min Scan# 1834

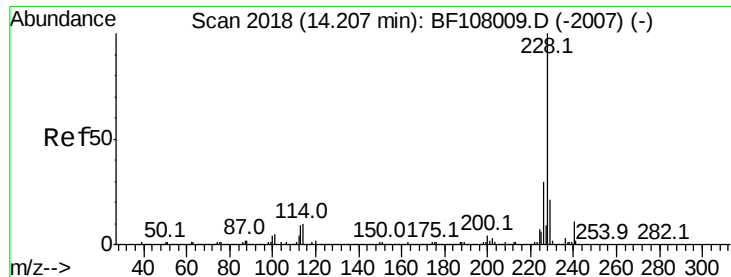
Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Tgt Ion:	244	Resp:	532229
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	11.0	11.0	16.4





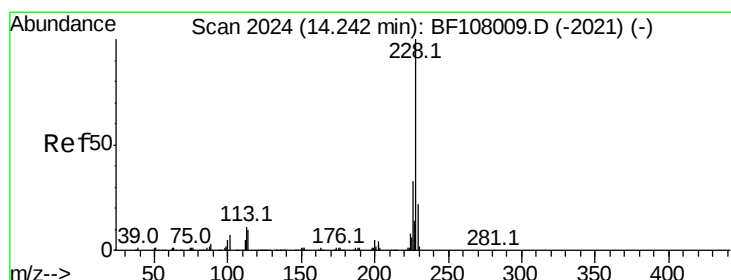
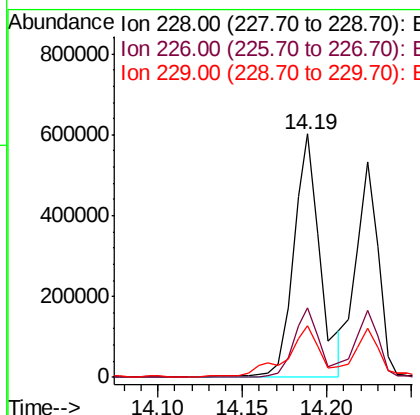
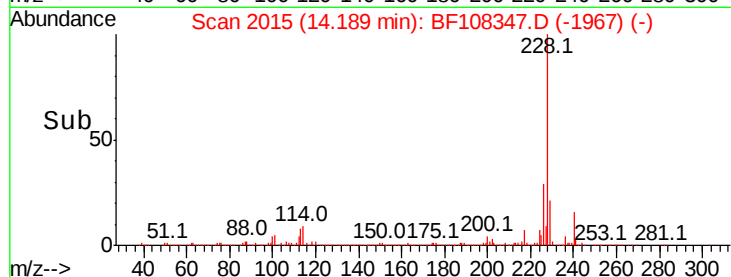
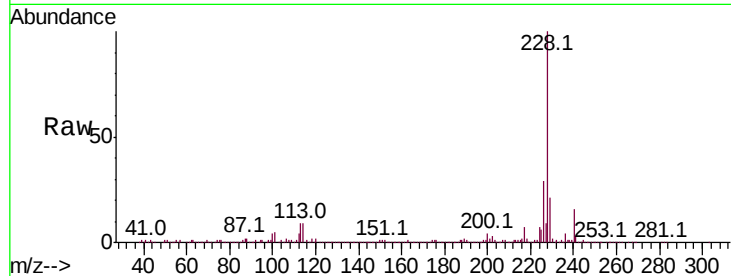
#80
Benzo(a)anthracene
Concen: 29.876 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Instrument :
BNA_F
ClientSampleId :
72-11979DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	21.2	15.8	23.6

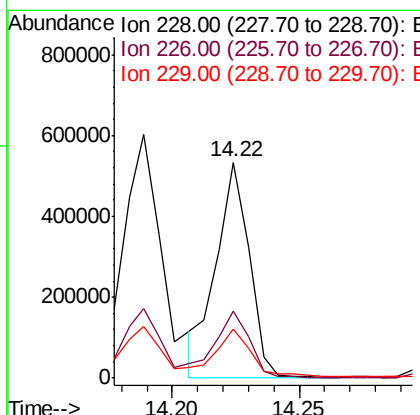
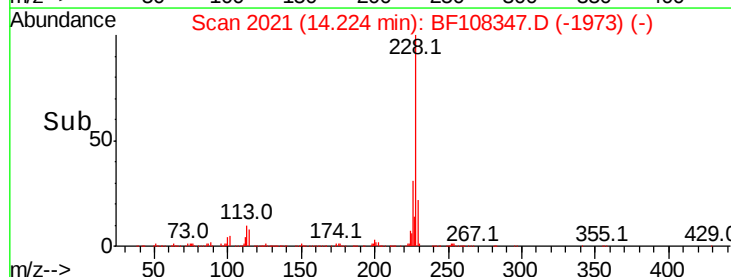
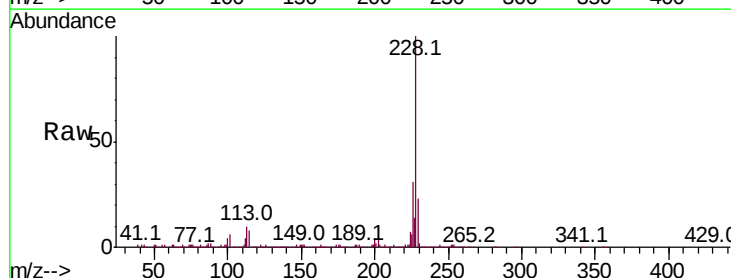
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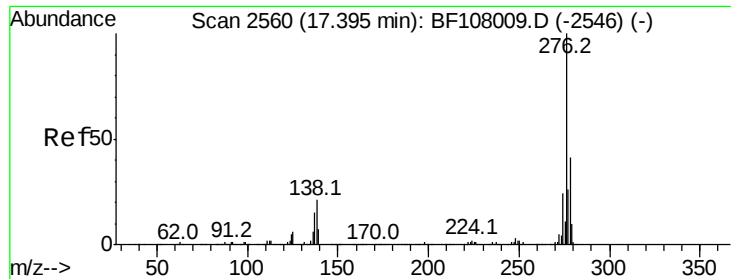
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#82
Chrysene
Concen: 24.564 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	23.0	16.2	24.4





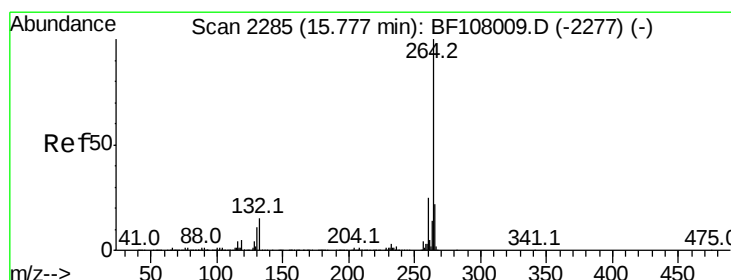
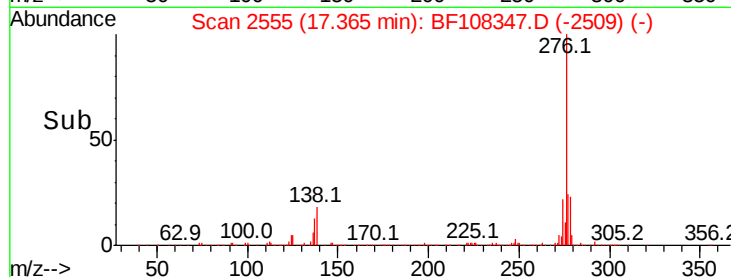
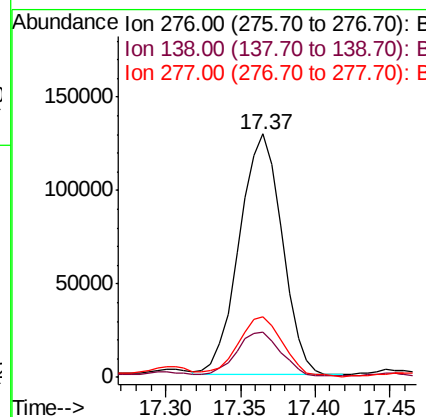
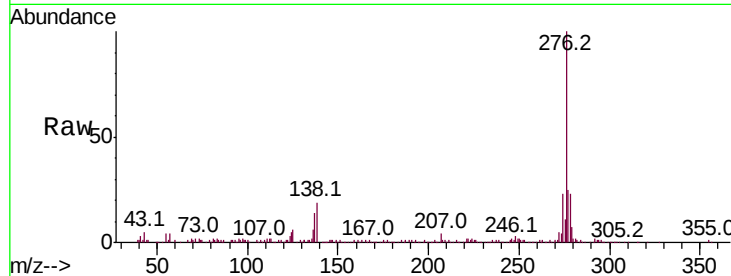
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.013 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.03 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Instrument :
BNA_F
ClientSampleId :
72-11979DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	257550		
138	19.1	25.0	37.6#	
277	25.8	20.1	30.1	

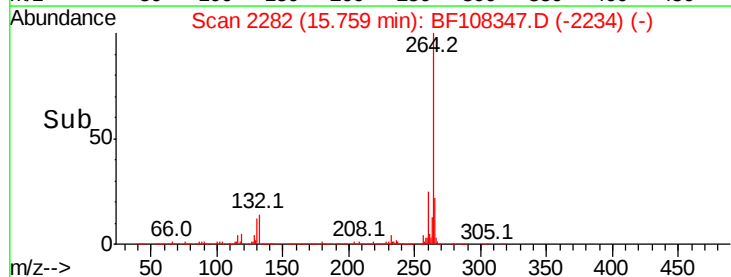
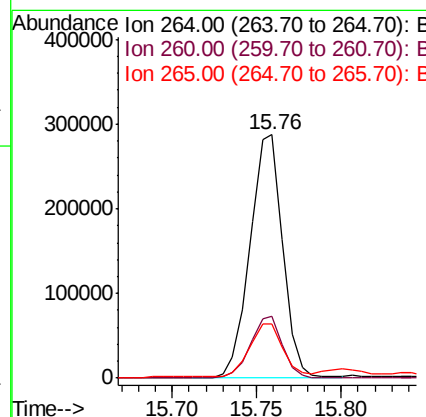
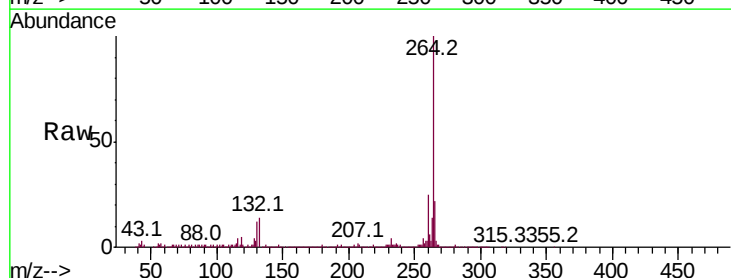
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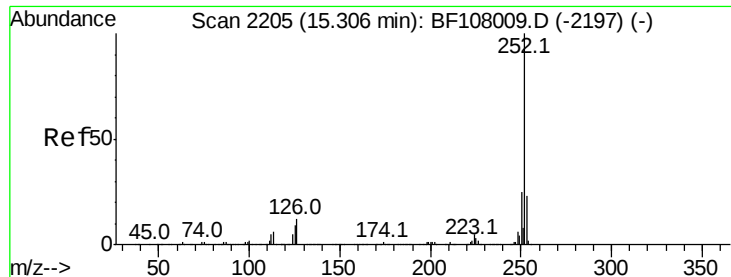
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.76 min Scan# 2282
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	386512		
260	25.1	19.2	28.8	
265	22.2	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 29.426 ng m

RT: 15.29 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

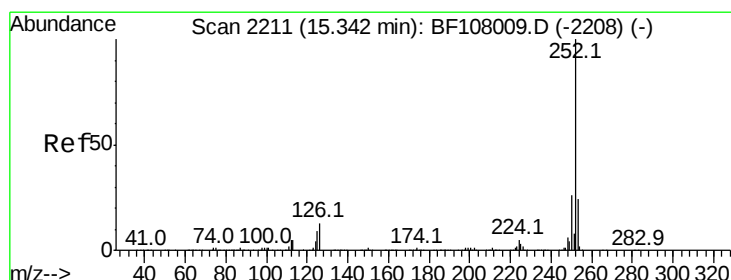
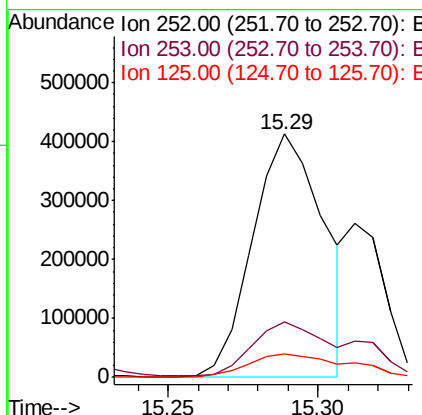
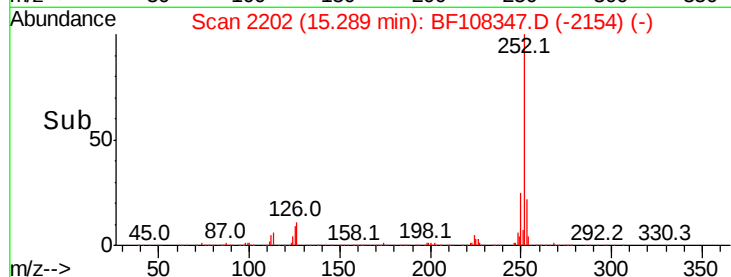
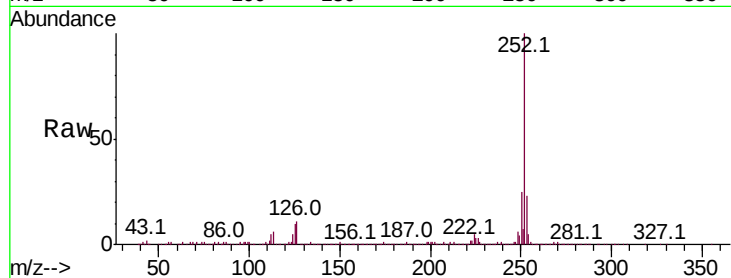
ClientSampleId :

72-11979DL

Tot Ion:	252	Resp:	679607
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	9.7	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 10.795 ng m

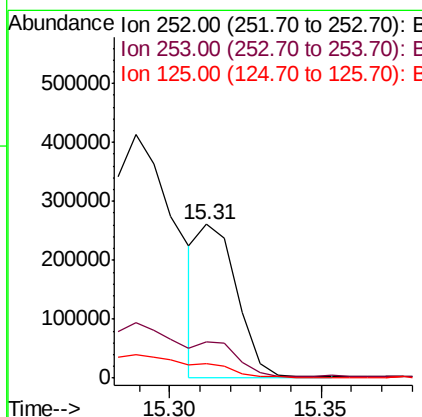
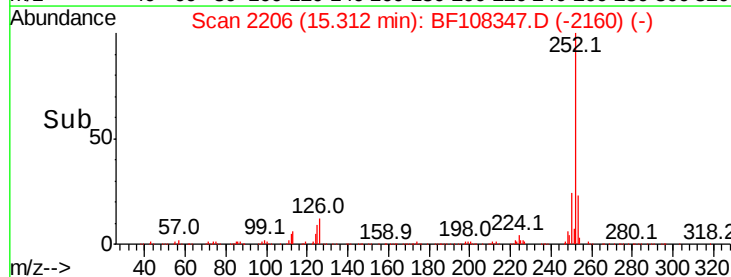
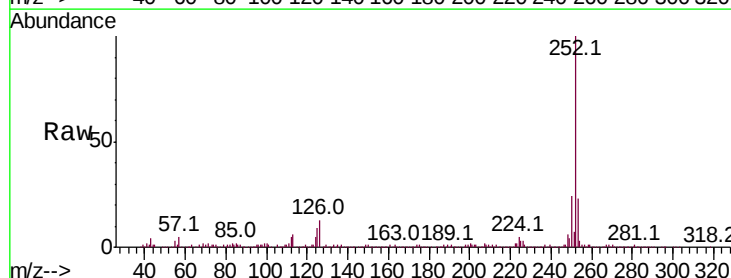
RT: 15.31 min Scan# 2206

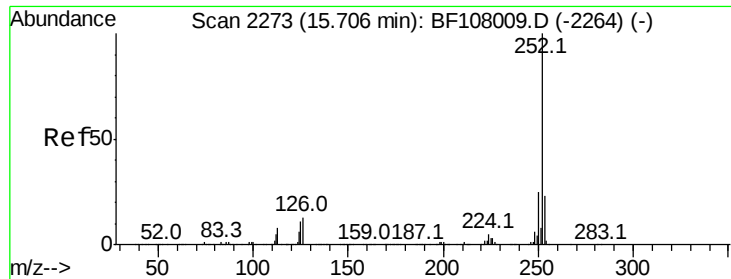
Delta R.T. -0.03 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Tgt Ion:	252	Resp:	229188
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	9.4	10.2	15.2#





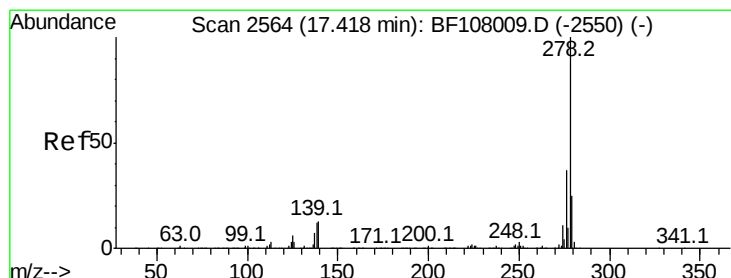
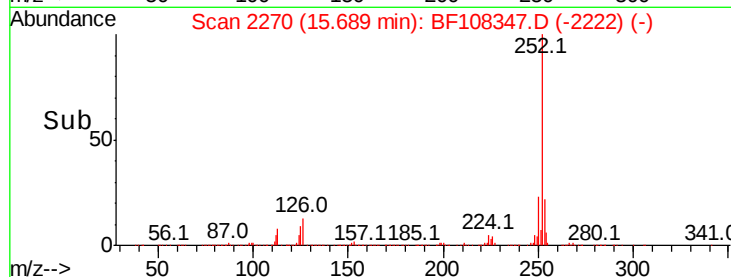
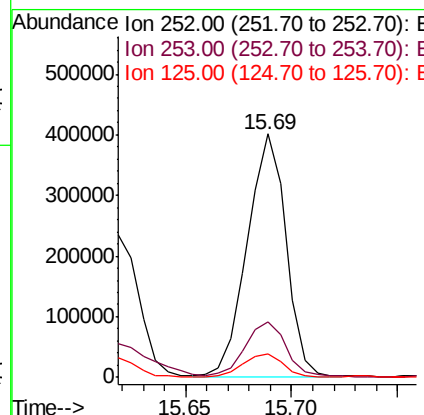
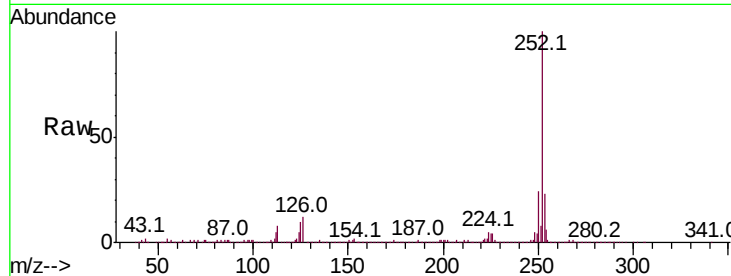
#89
Benzo(a)pyrene
Concen: 24.462 ng/ml
RT: 15.69 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Instrument :
BNA_F
Client Sample ID :
72-11979DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.7	17.1	25.7	
125	9.7	9.8	14.6	

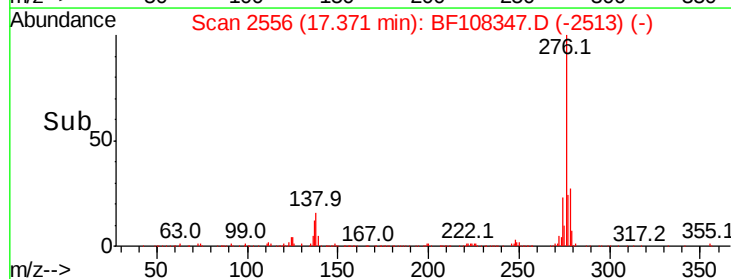
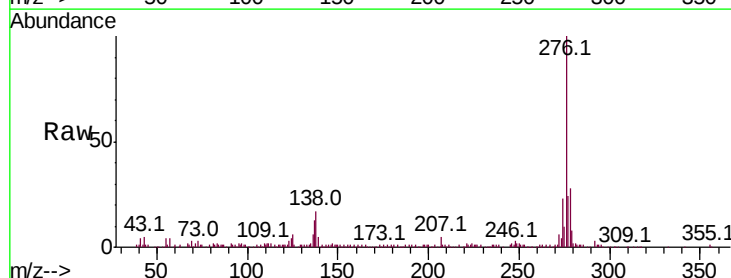
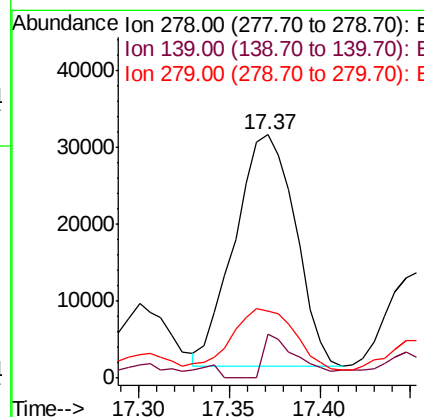
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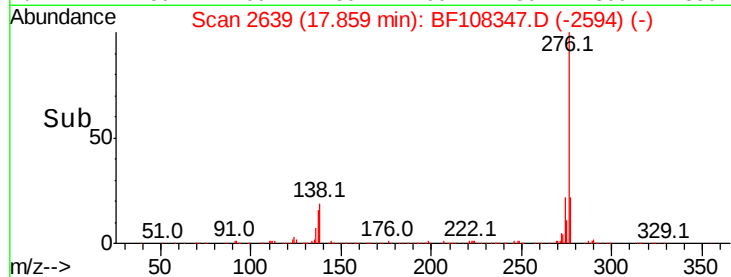
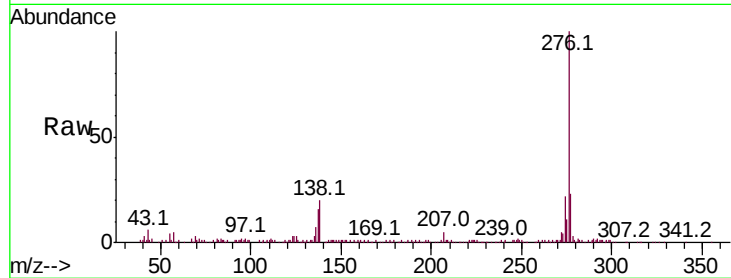
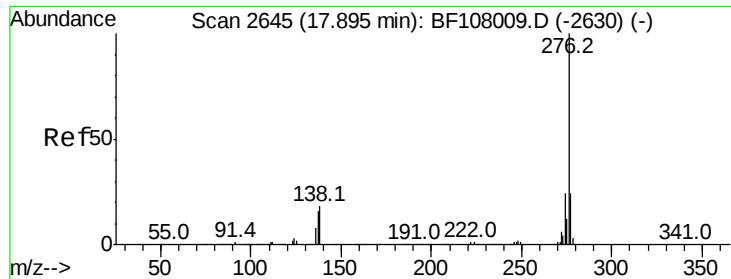
Sohil
8/22/2018 4:02:57 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.079 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.05 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	18.0	15.9	23.9	
279	27.6	19.0	28.4	





#91

Benzo(a,h,i)perylene

Concen: 13.429 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.04 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	23.3	17.9	26.9	
138	19.6	21.8	32.8	

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