

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
 Data File : BF108076.D
 Acq On : 10 Aug 2018 9:10
 Operator : JU/SJ
 Sample : J4388-07DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-1DL

Manual Integrations
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Sohil
 8/10/2018 12:13:43 PM

Quant Time: Aug 10 11:10:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	296964	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1112014	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	518685	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	858311	20.00	ng	0.00
75) Chrysene-d12	14.22	240	717850	20.00	ng	0.00
86) Perylene-d12	15.78	264	551798	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	275547	16.80	ng	0.00
7) Phenol-d6	6.62	99	380305	17.45	ng	-0.01
23) Nitrobenzene-d5	7.57	82	228274	11.45	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	61470	11.88	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	390667	12.09	ng	0.00
78) Terphenyl-d14	13.15	244	318690	11.29	ng	0.00
Target Compounds						
51) Acenaphthene	10.10	154	109482	3.741	ng	99
54) Dibenzofuran	10.27	168	167872	3.959	ng	100
57) Fluorene	10.61	166	300774	8.961	ng	99
70) Phenanthrene	11.59	178	2283440	56.404	ng	95
71) Anthracene	11.64	178	833051	20.077	ng	99
72) Carbazole	11.78	167	288104	7.815	ng	99
74) Fluoranthene	12.79	202	2756065	62.379	ng	94
77) Pyrene	13.02	202	2304332	50.703	ng	95
80) Benzo(a)anthracene	14.21	228	1281556	31.108	ng	97
82) Chrysene	14.25	228	1046228	27.700	ng	97
85) Indeno(1,2,3-cd)pyrene	17.39	276	230279	7.037	ng	# 89
87) Benzo(b)fluoranthene	15.31	252	921703m	27.954	ng	
88) Benzo(k)fluoranthene	15.34	252	325541m	10.741	ng	
89) Benzo(a)pyrene	15.71	252	585391	19.827	ng	96
90) Dibenzo(a,h)anthracene	17.41	278	64744	2.650	ng	# 89
91) Benzo(g,h,i)perylene	17.89	276	182927	7.604	ng	# 93

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

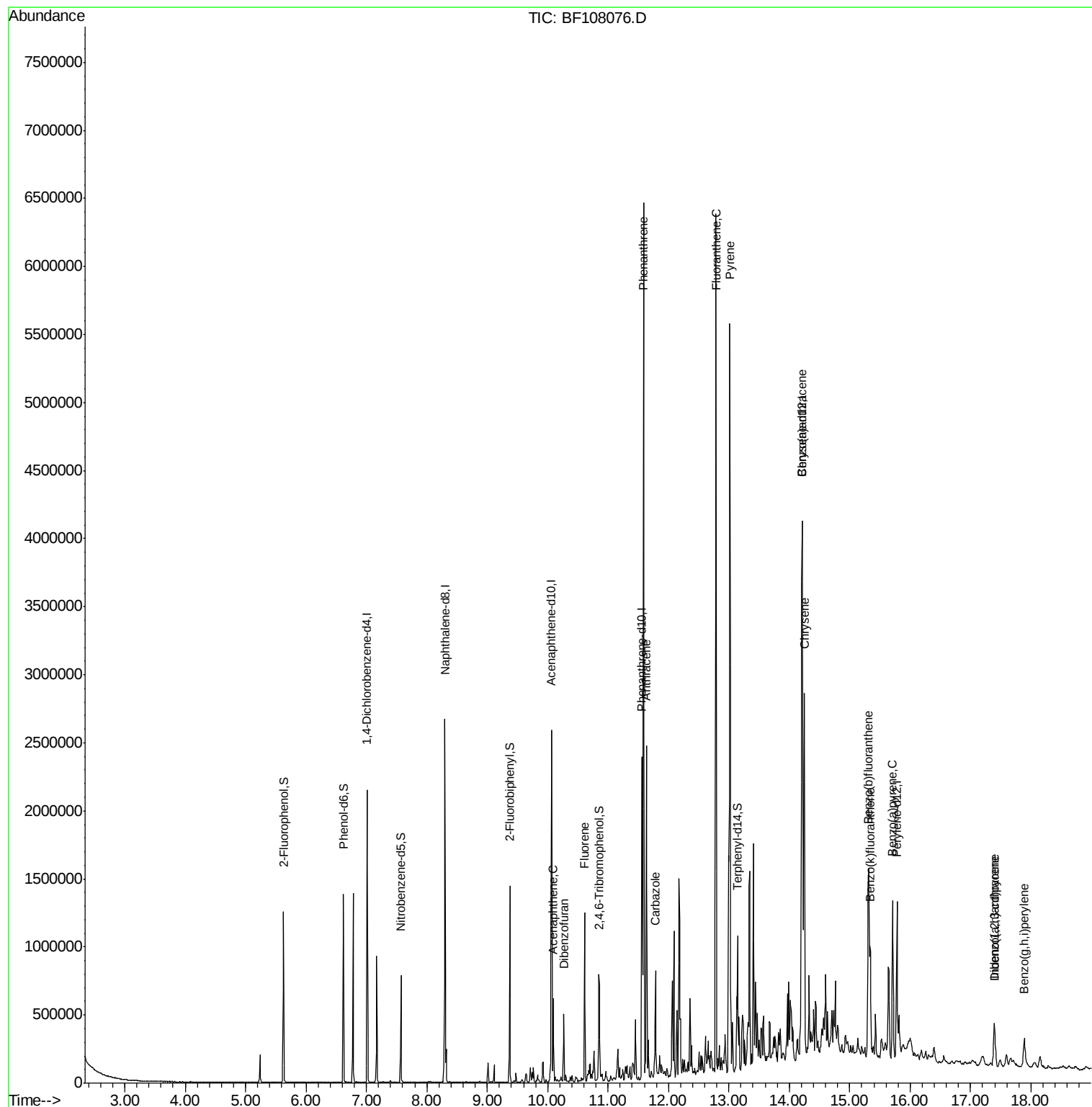
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
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#1

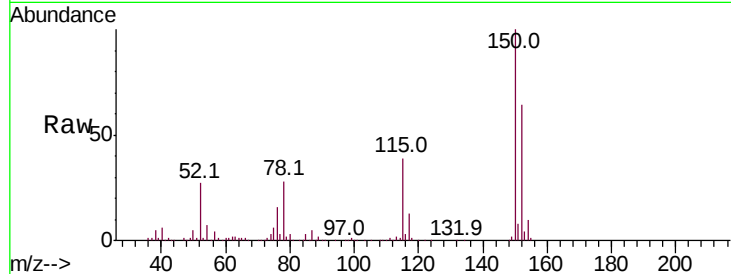
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampleId :
CHA-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.9	50.1	75.1

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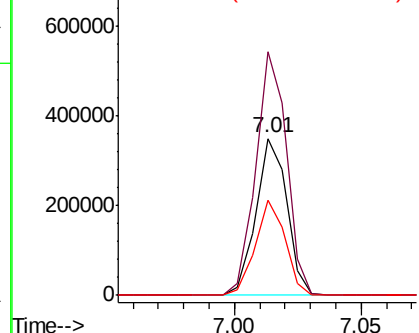
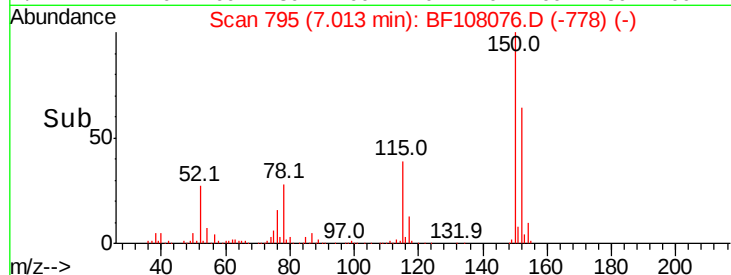


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

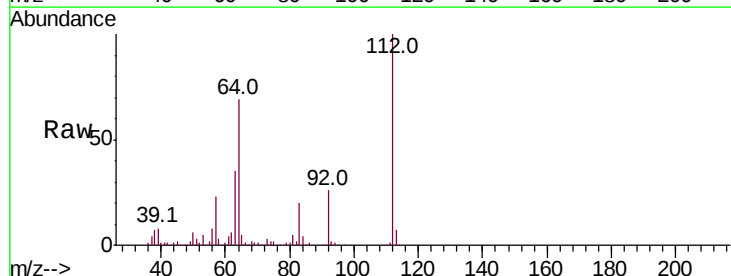
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.799 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	47.9	71.9
63	34.7	23.7	35.5

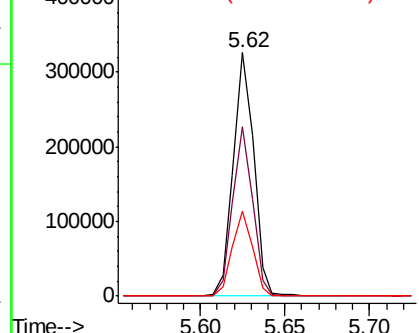
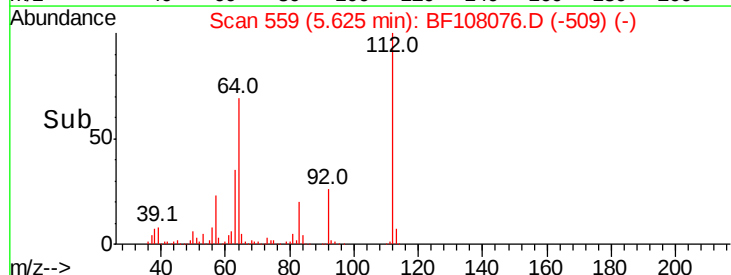


Abundance

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: 17.448 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

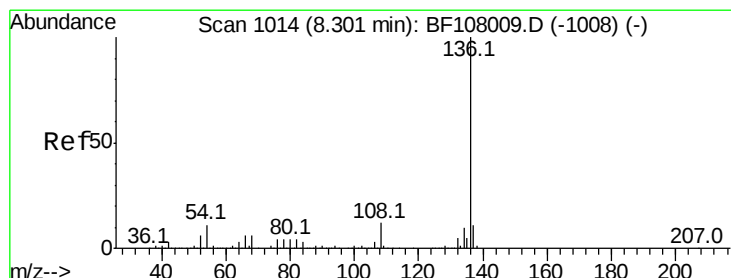
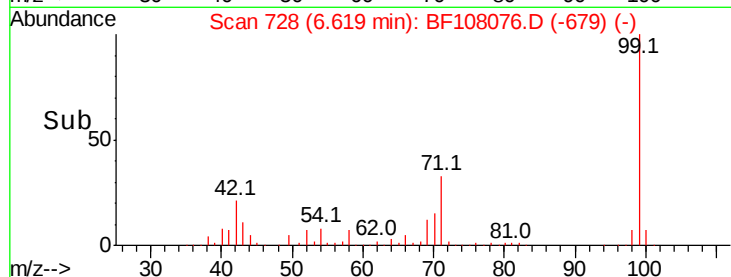
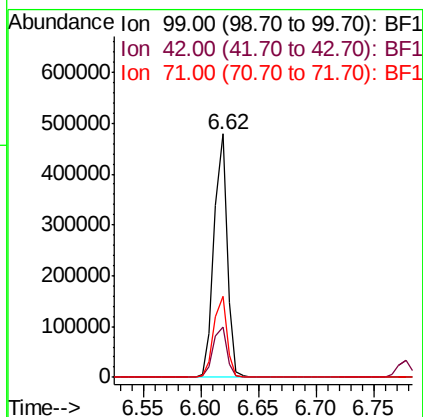
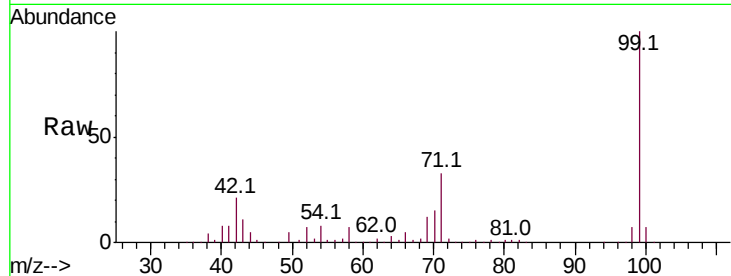
ClientSampleId :

CHA-1DL

Tot Ion:	99	Resp:	380305
Ion Ratio	Lower	Upper	
99	100		
42	20.9	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

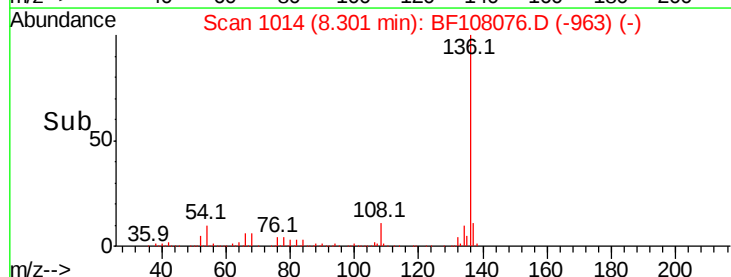
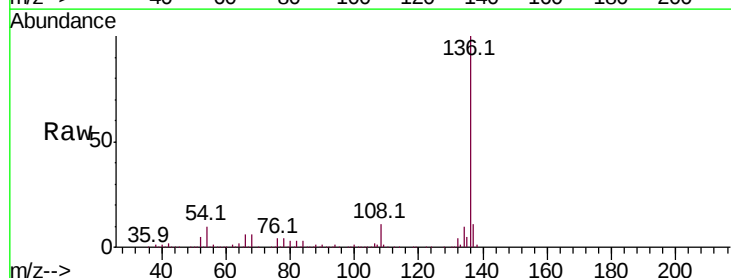
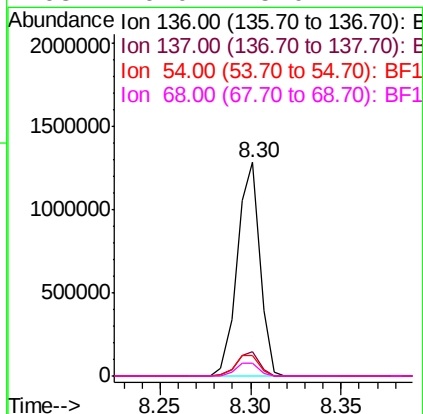
RT: 8.30 min Scan# 1014

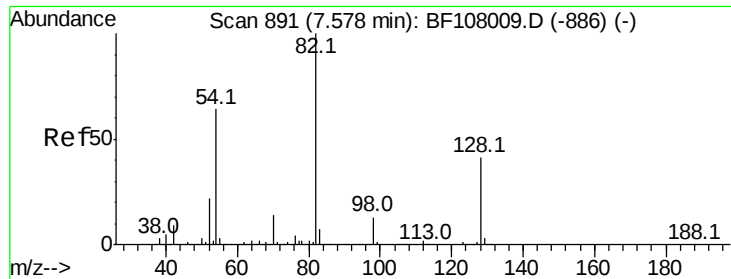
Delta R.T. 0.00 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Tgt Ion:	136	Resp:	1112014
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.6	6.6	9.8
68	6.0	5.0	7.4





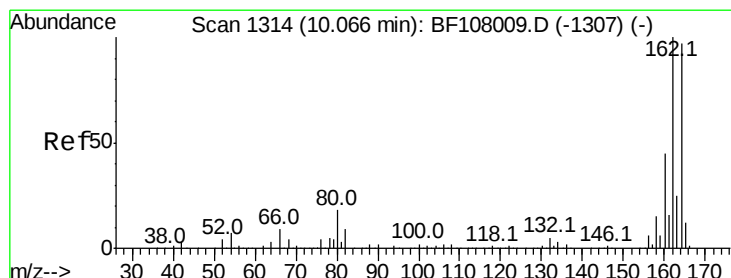
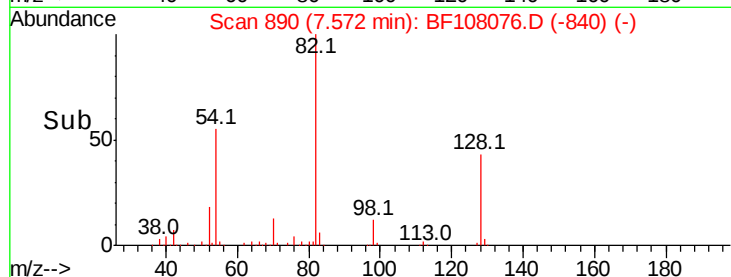
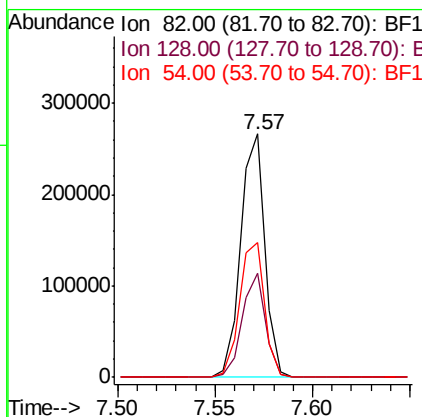
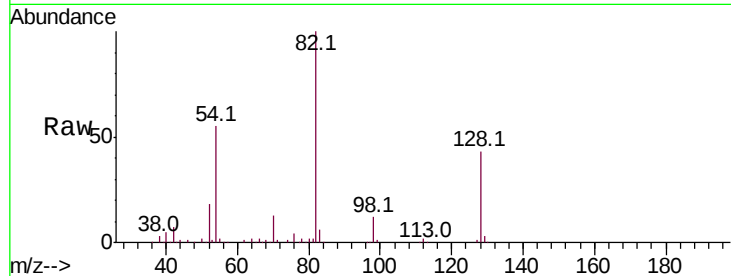
#23
Nitrobenzene-d5
Concen: 11.455 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampleId :
CHA-1DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	228274		
128	42.8	36.1	54.1	
54	55.2	41.4	62.2	

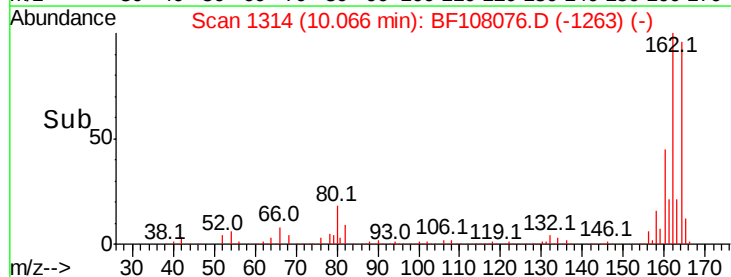
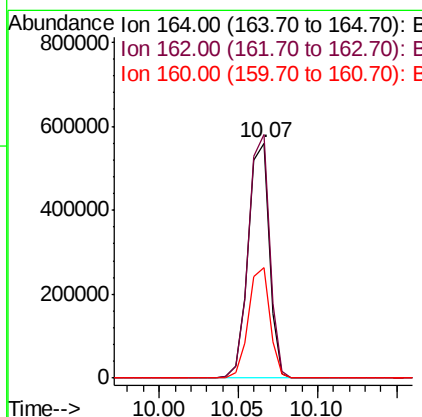
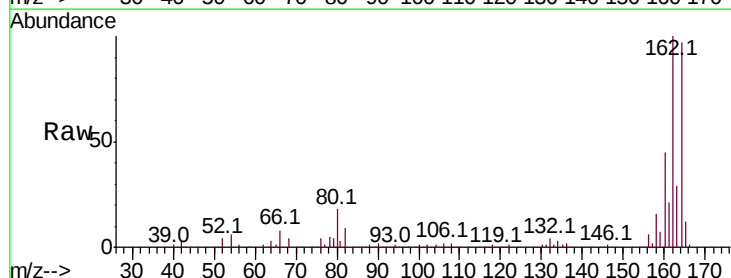
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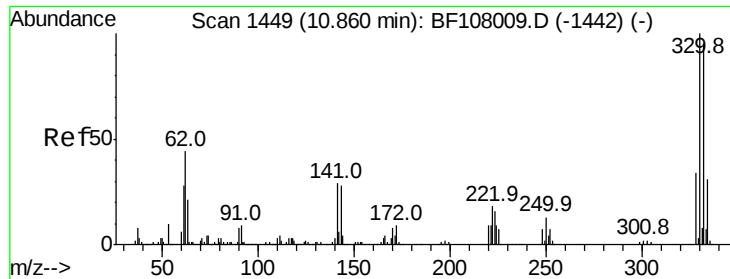
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	518685		
162	103.5	86.1	129.1	
160	47.0	38.3	57.5	





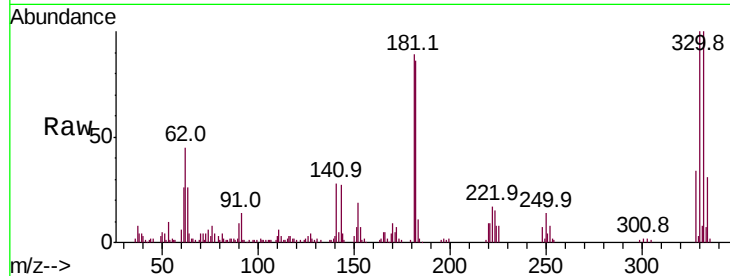
#41
 2,4,6-Tribromophenol
 Concen: 11.881 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Instrument :
 BNA_F
 ClientSampleId :
 CHA-1DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.4	77.0	115.6	
141	36.8	29.9	44.9	

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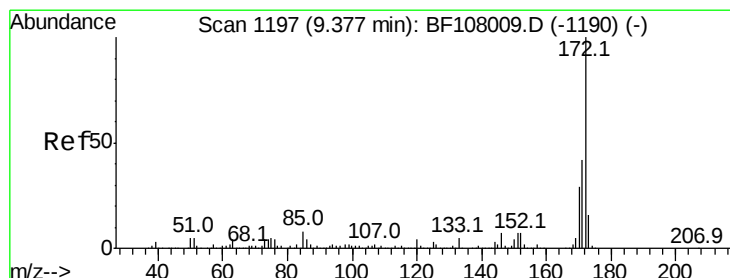
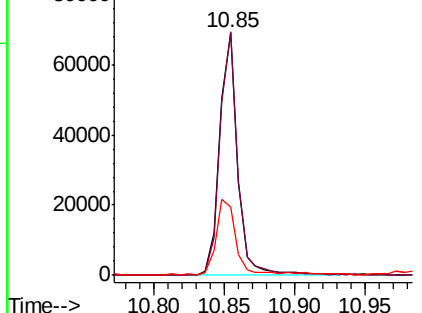
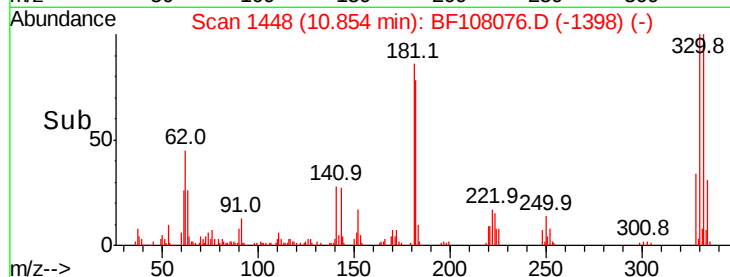


Abundance

Ion 329.80 (329.50 to 330.50): E

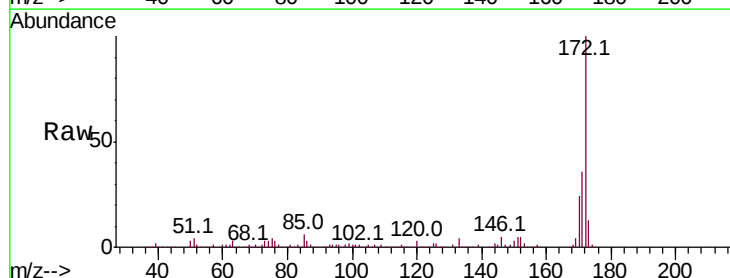
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 12.092 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.7	44.5	
170	23.7	19.6	29.4	

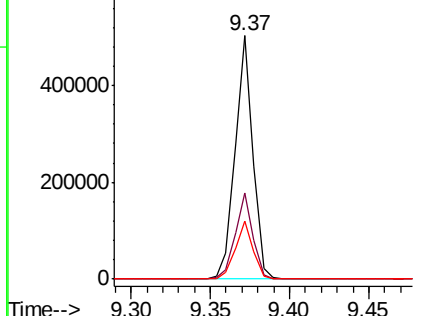
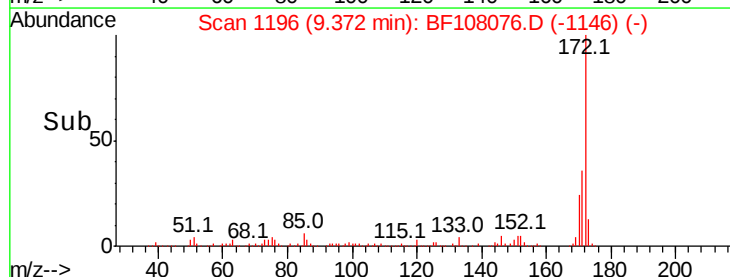


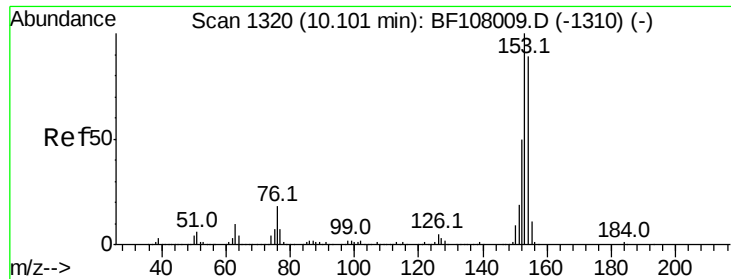
Abundance

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





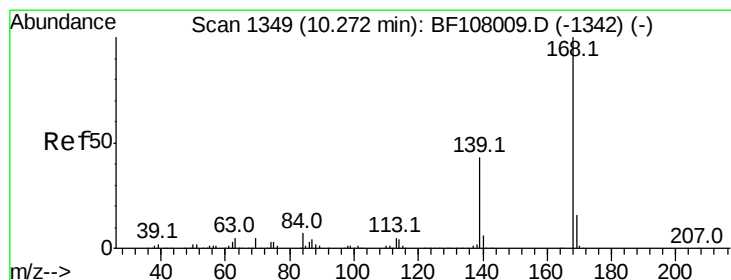
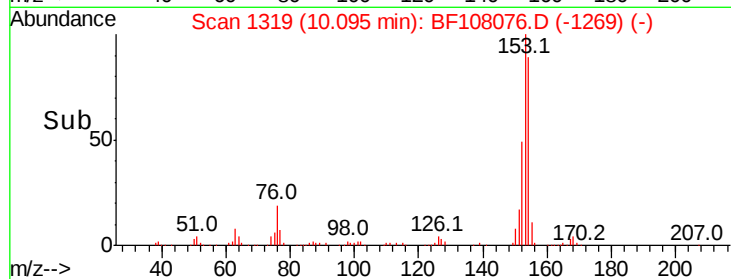
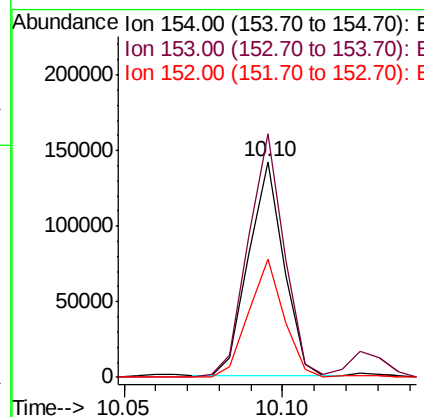
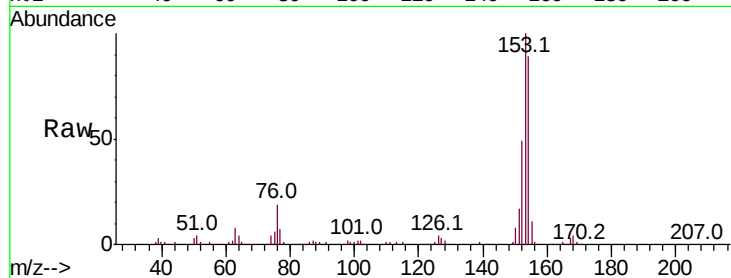
#51
Acenaphthene
Concen: 3.741 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampleId :
CHA-1DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.2	136.8
152	54.9	43.8	65.8

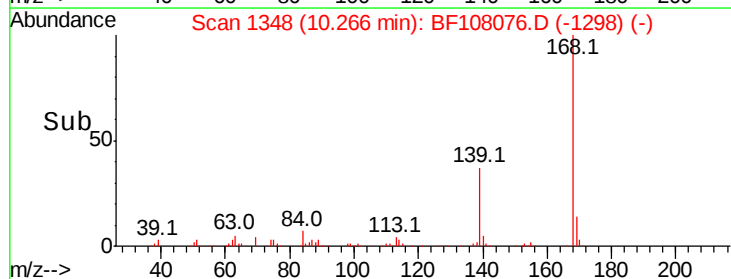
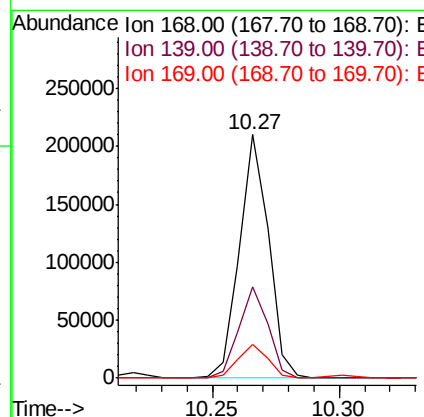
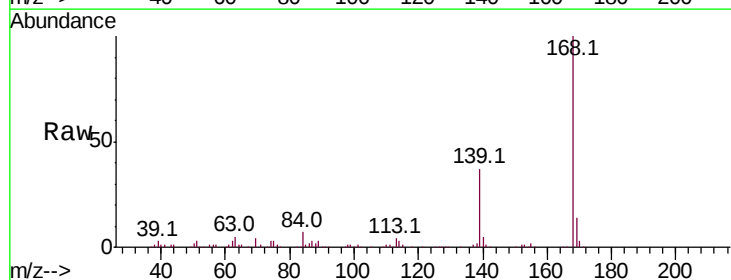
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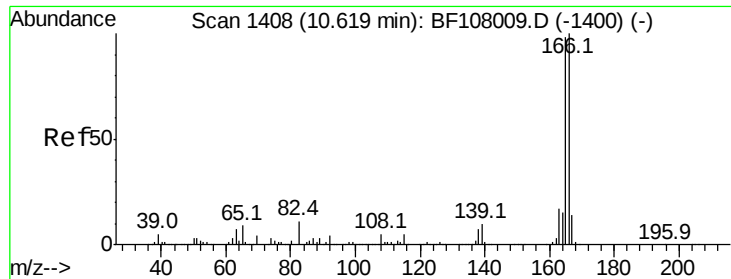
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#54
Dibenzofuran
Concen: 3.959 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.1	45.1
169	13.9	10.9	16.3





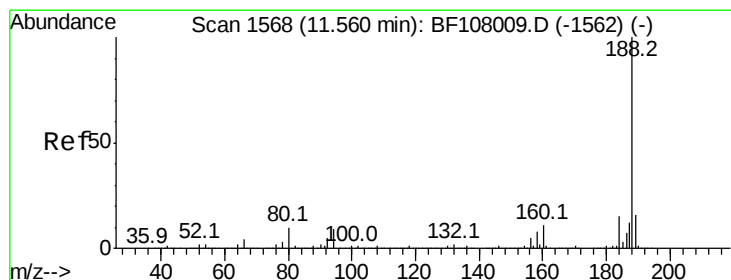
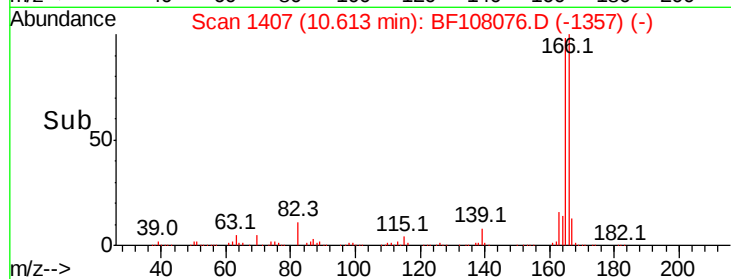
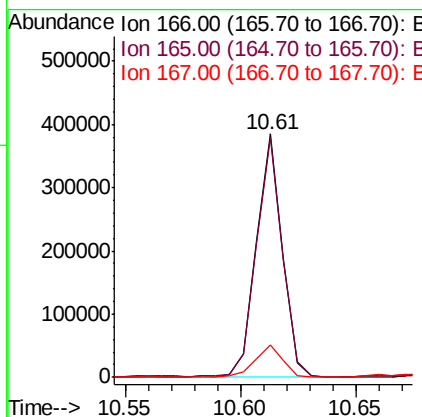
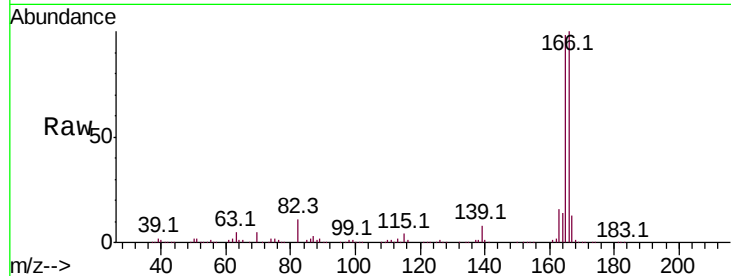
#57
Fluorene
 Concen: 8.961 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Instrument :
 BNA_F
 ClientSampled :
 CHA-1DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	300774		
165	98.4		79.8	119.8
167	13.4		10.6	16.0

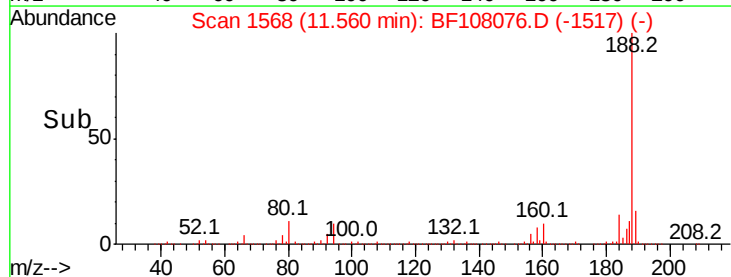
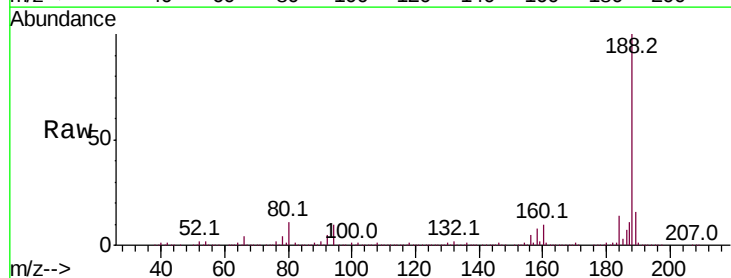
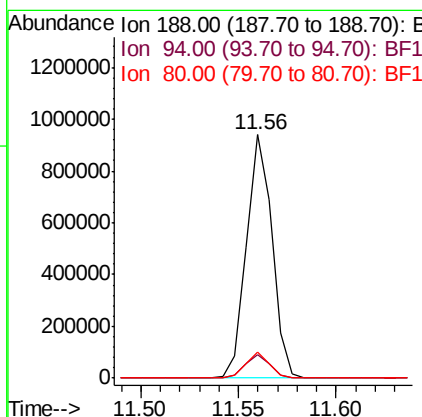
Manual Integrations
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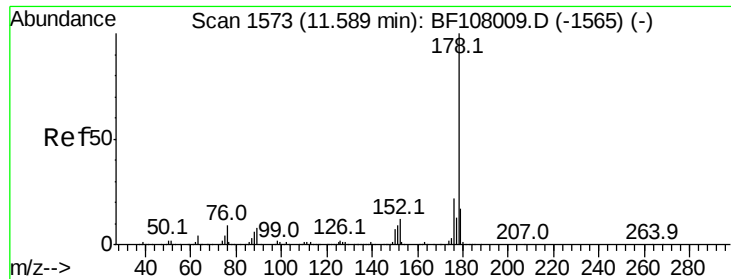
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	858311		
94	9.6		8.5	12.7
80	10.7		9.2	13.8





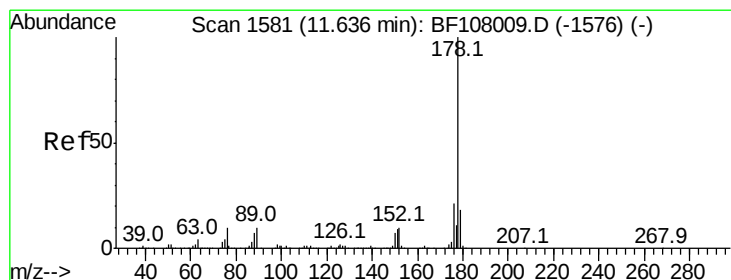
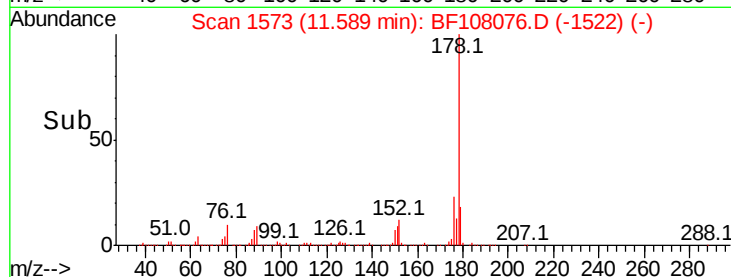
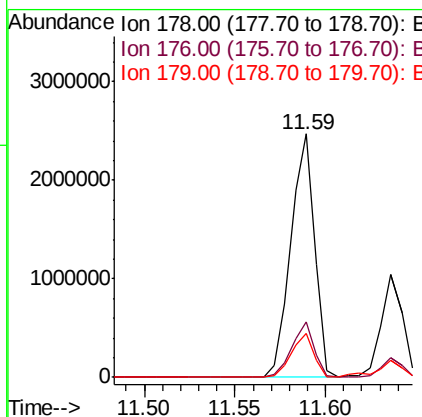
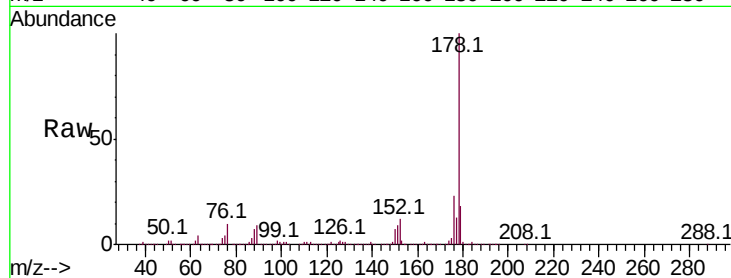
#70
Phenanthrene
Concen: 56.404 ng
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampleId :
CHA-1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.8	15.8	23.8
179	17.9	13.0	19.6

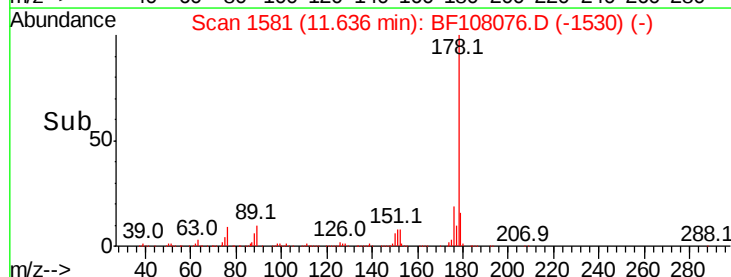
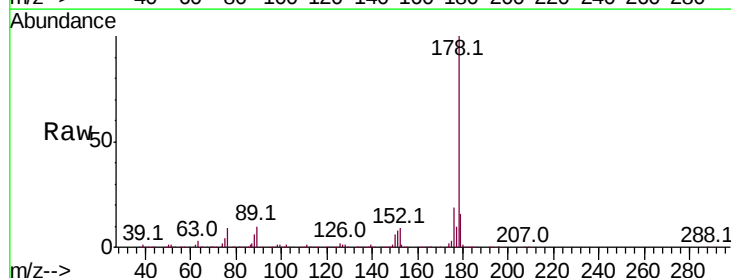
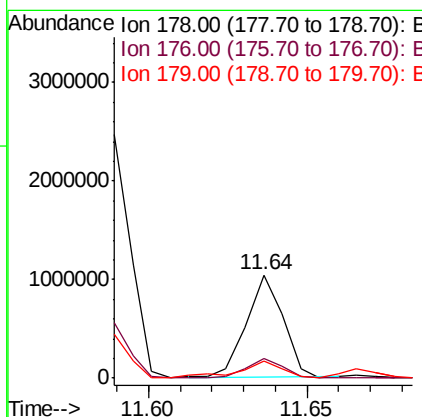
Manual Integrations
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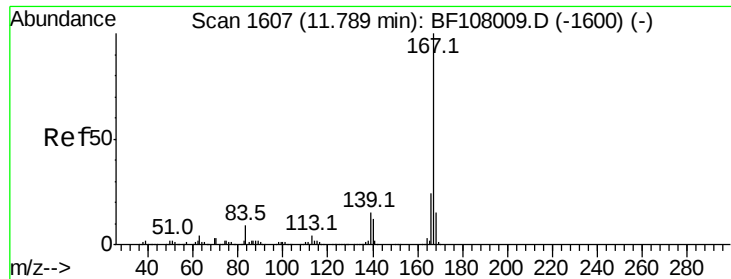
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#71
Anthracene
Concen: 20.077 ng
RT: 11.64 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.3	12.6	19.0





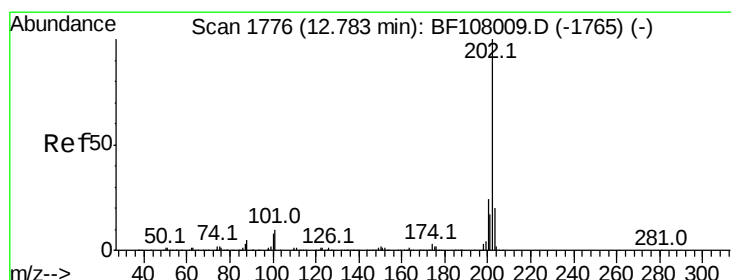
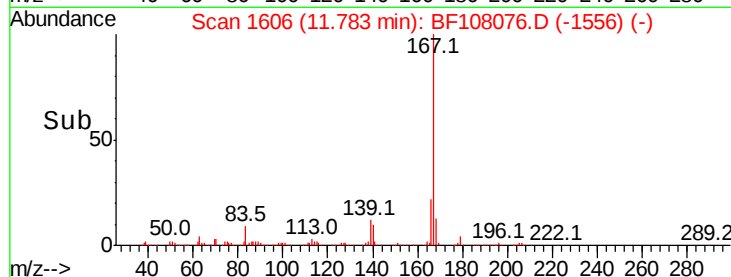
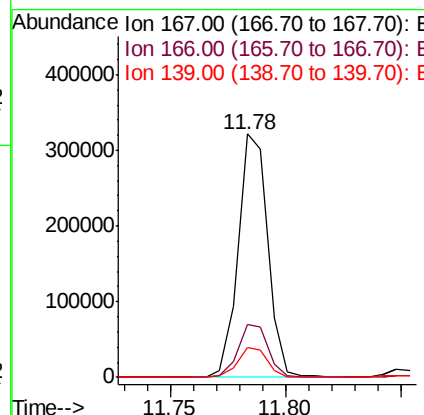
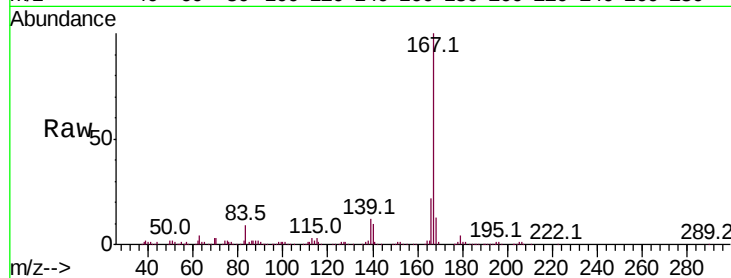
#72
 Carbazole
 Concen: 7.815 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Instrument :
 BNA_F
 ClientSampleId :
 CHA-1DL

Tot Ion:	167	Resp:	288104
Ion Ratio		Lower	Upper
167	100		
166	22.0	17.6	26.4
139	12.3	10.9	16.3

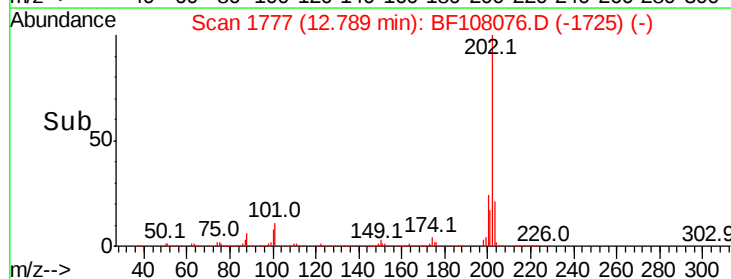
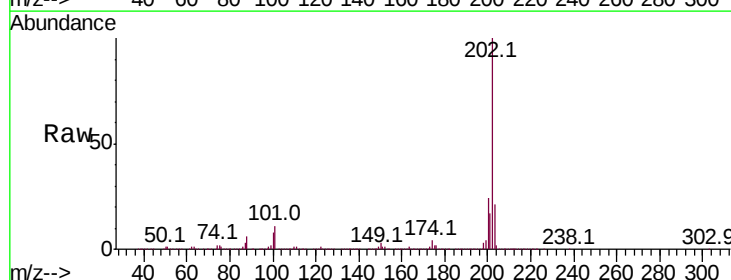
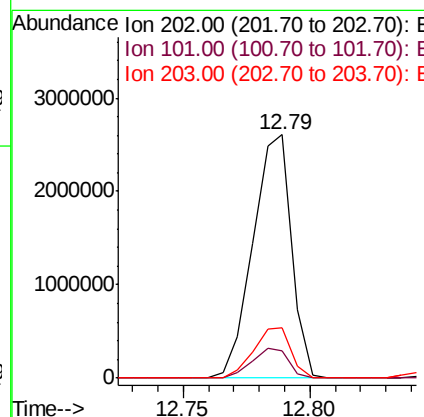
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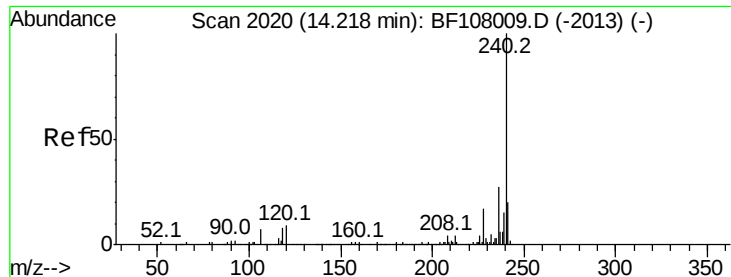
Sohil
 8/10/2018 12:13:43 PM



#74
 Fluoranthene
 Concen: 62.379 ng
 RT: 12.79 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Tgt Ion:	202	Resp:	2756065
Ion Ratio		Lower	Upper
202	100		
101	11.2	0.0	34.1
203	20.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

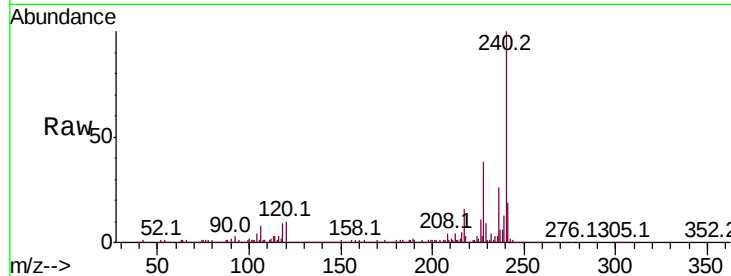
ClientSampled :

CHA-1DL

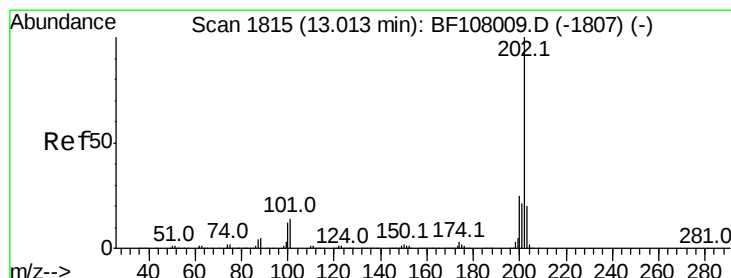
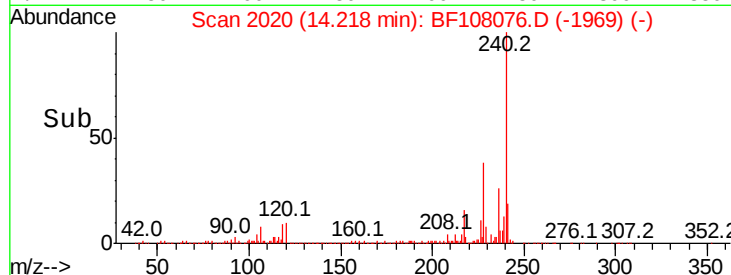
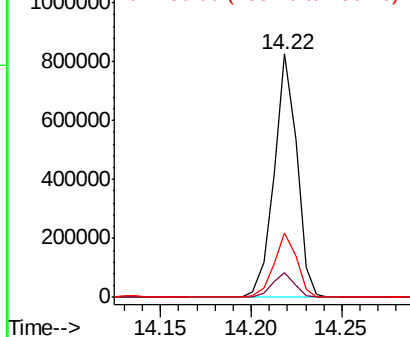
Tot Ion:	240	Resp:	717850
Ion Ratio	Lower	Upper	
240	100		
120	10.2	9.5	14.3
236	26.2	20.7	31.1

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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: 50.703 ng

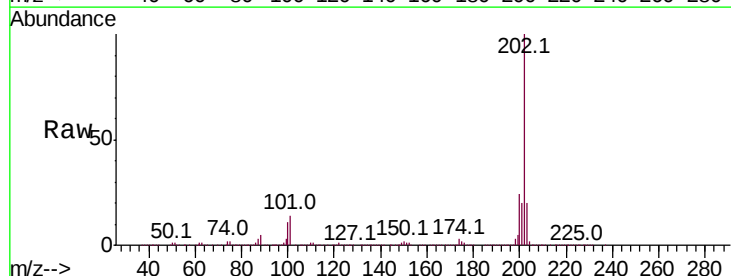
RT: 13.02 min Scan# 1816

Delta R.T. 0.01 min

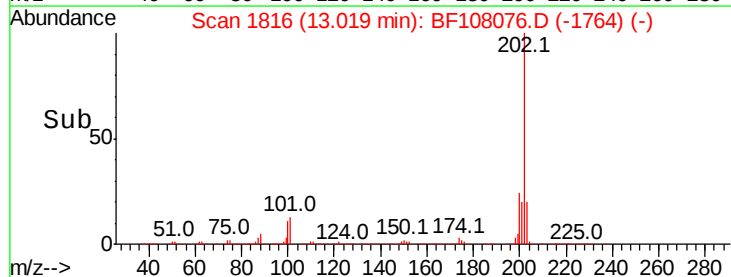
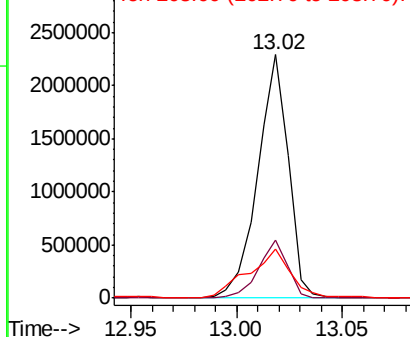
Lab File: BF108076.D

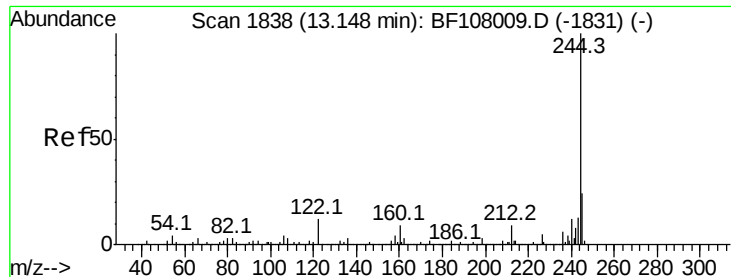
Acq: 10 Aug 2018 9:10

Tgt Ion:	202	Resp:	2304332
Ion Ratio	Lower	Upper	
202	100		
200	24.0	17.4	26.2
203	20.0	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





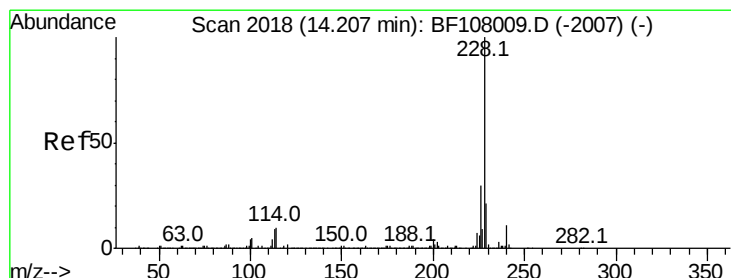
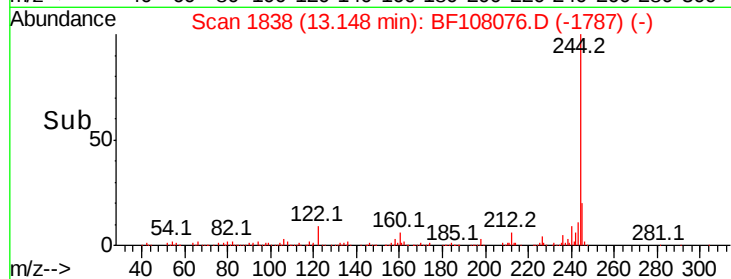
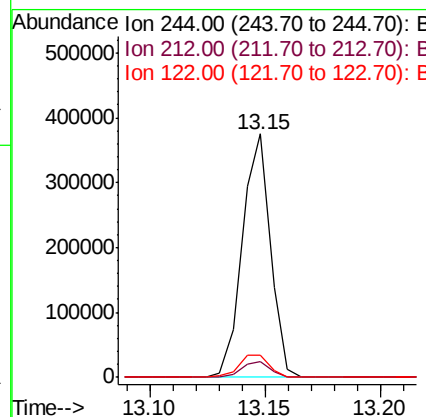
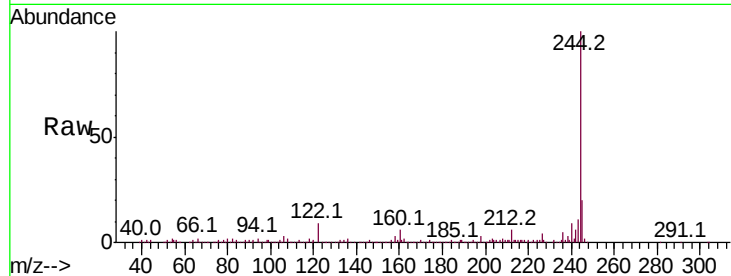
#78
 Terphenyl-d14
 Concen: 11.288 ng
 RT: 13.15 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Instrument :
 BNA_F
 ClientSampleID :
 CHA-1DL

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.2	11.0	16.4#

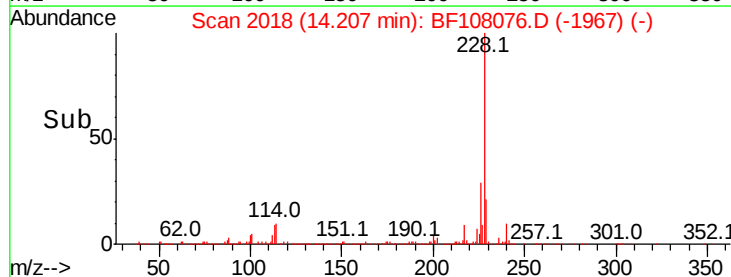
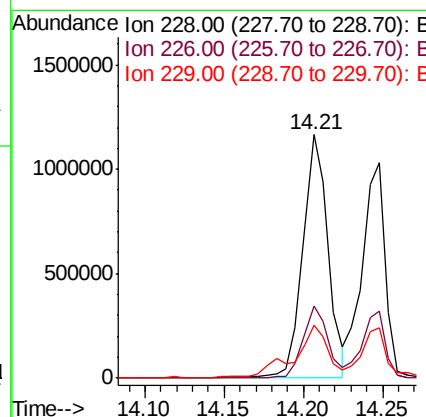
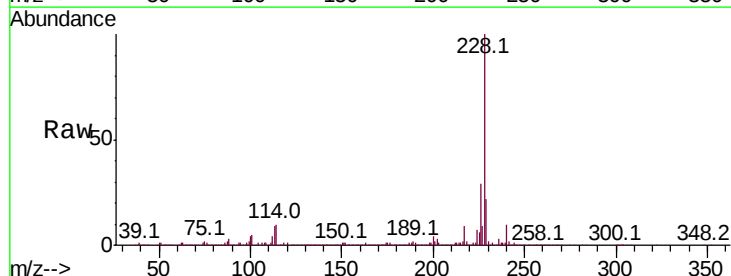
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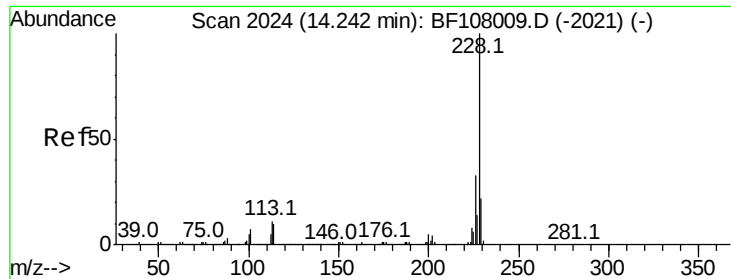
Sohil
 8/10/2018 12:13:43 PM



#80
 Benzo(a)anthracene
 Concen: 31.108 ng
 RT: 14.21 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.5	22.6	33.8
229	21.6	15.8	23.6





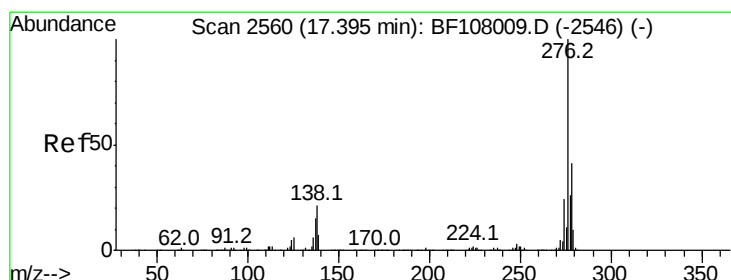
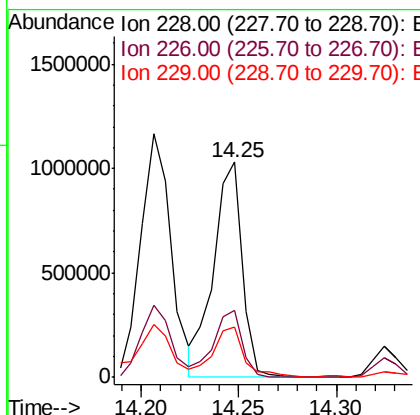
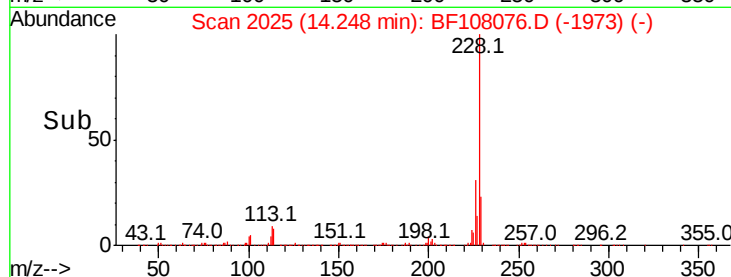
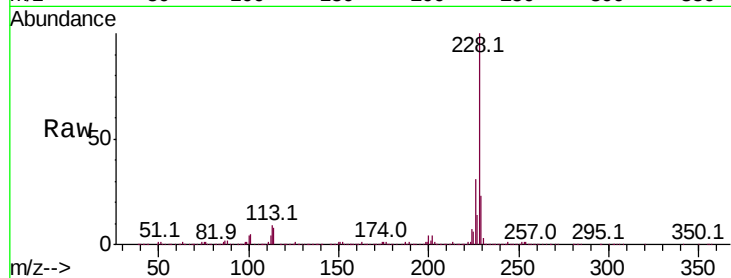
#82
Chrysene
Concen: 27.700 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampleId :
CHA-1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	23.4	16.2	24.4

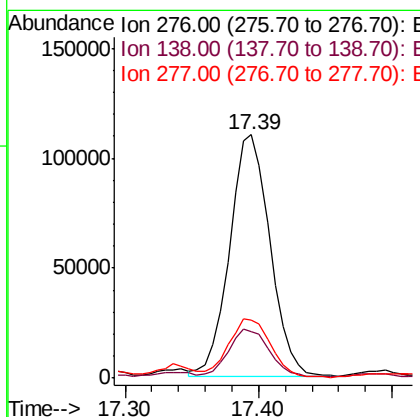
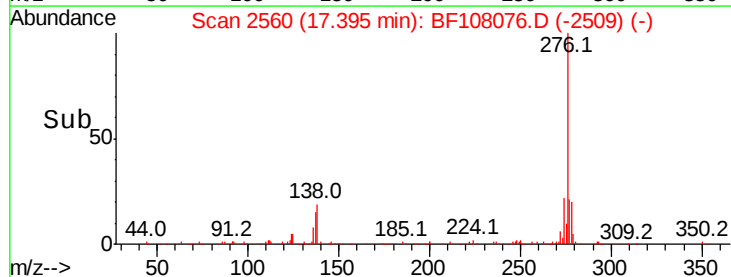
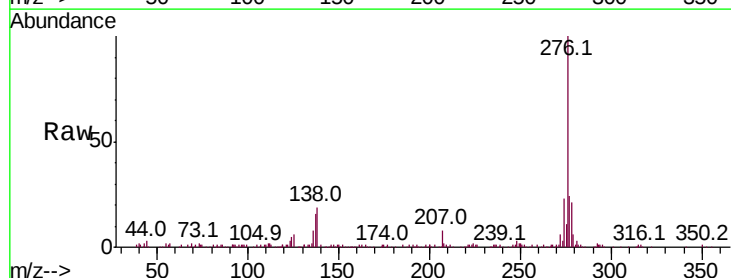
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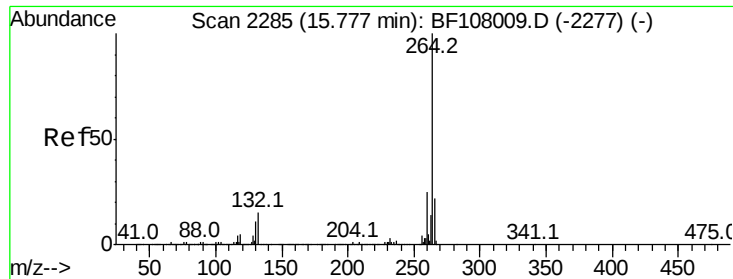
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.037 ng
RT: 17.39 min Scan# 2560
Delta R.T. 0.00 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	25.5	20.1	30.1





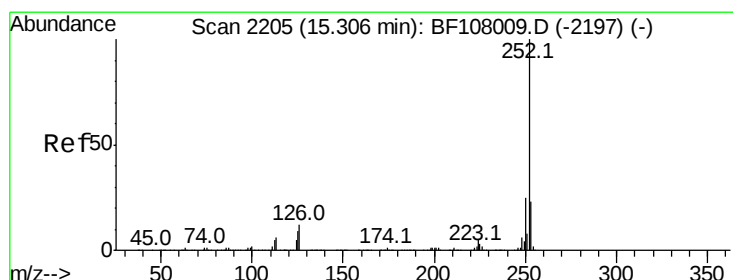
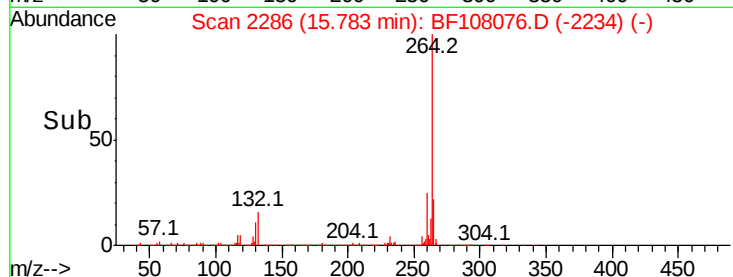
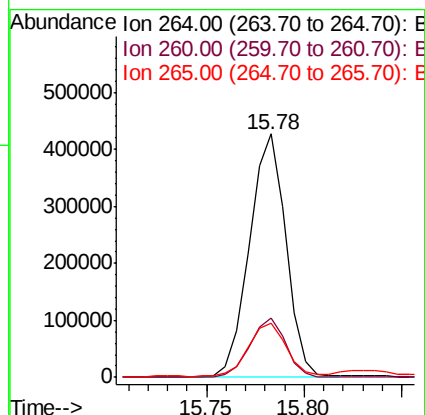
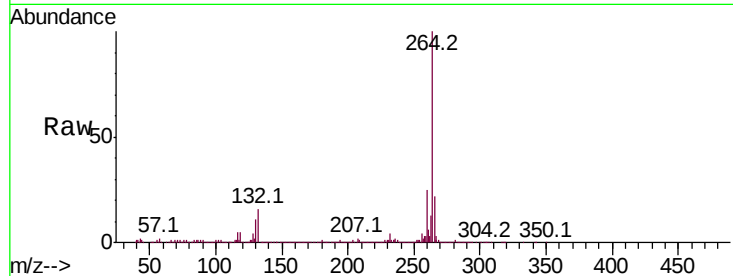
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampled :
CHA-1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.2	17.5	26.3

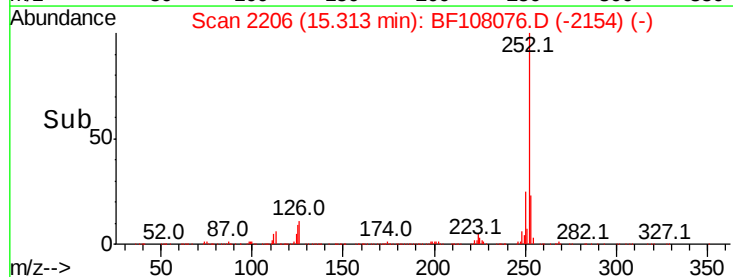
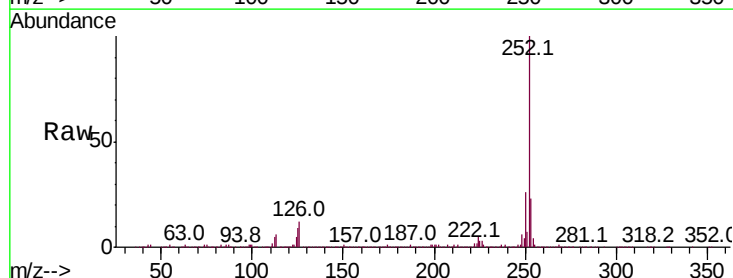
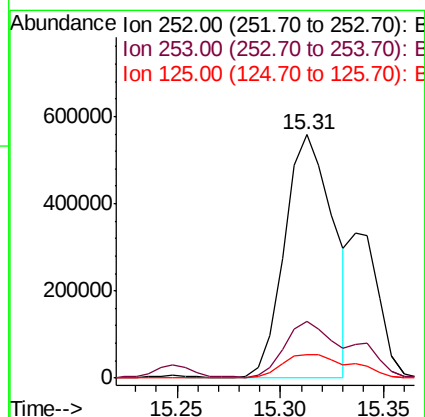
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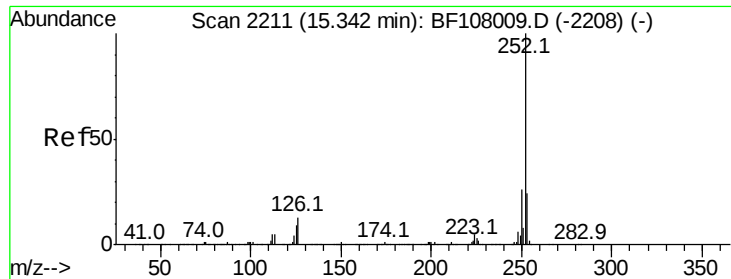
Sohil
8/10/2018 12:13:43 PM



#87
Benzo(b)fluoranthene
Concen: 27.954 ng m
RT: 15.31 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	9.5	9.0	13.6





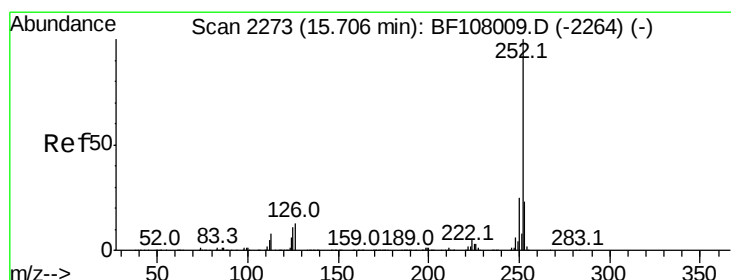
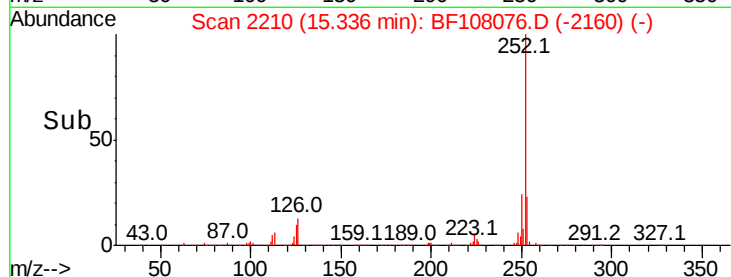
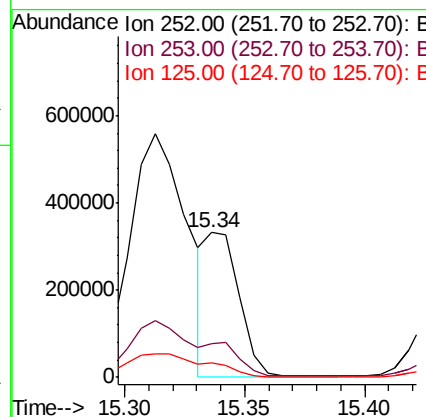
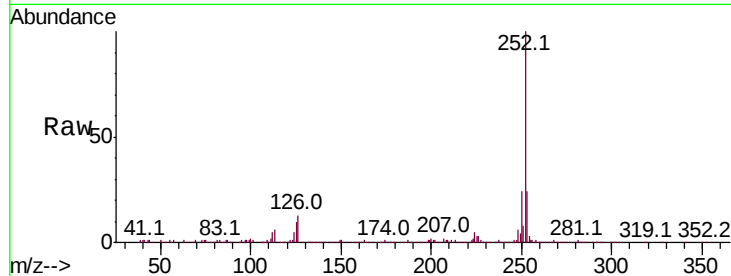
#88
Benzo(k)fluoranthene
Concen: 10.741 ng m
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampleId :
CHA-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	9.9	10.2	15.2

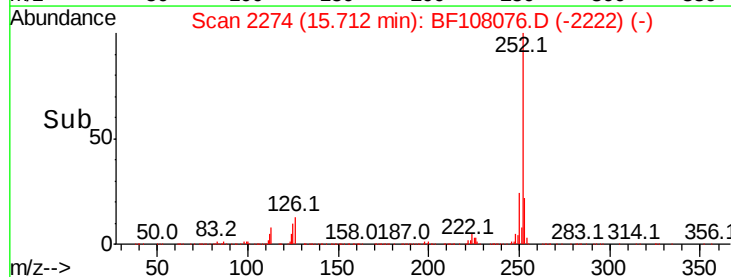
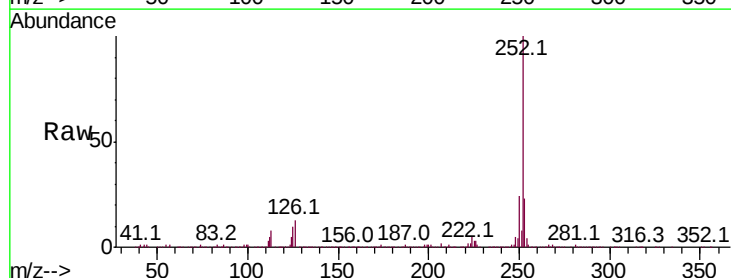
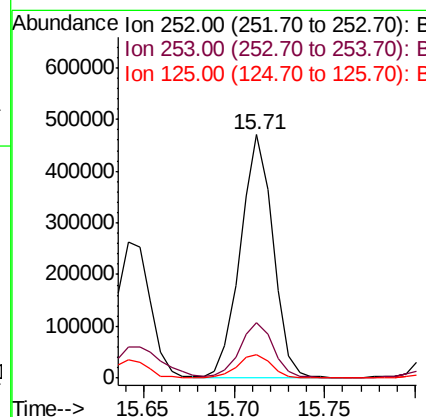
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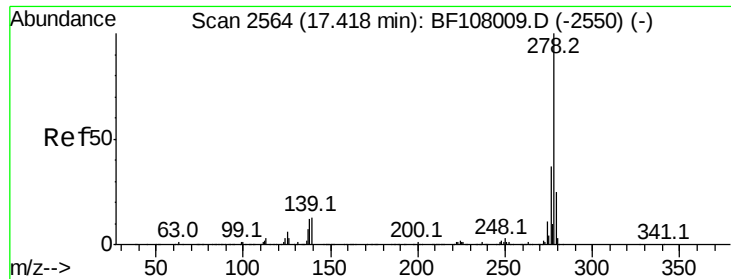
Sohil
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#89
Benzo(a)pyrene
Concen: 19.827 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	9.9	9.8	14.6





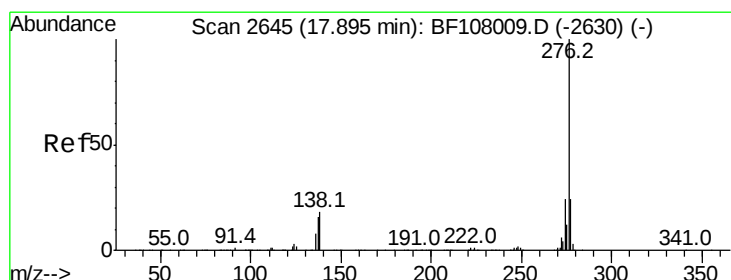
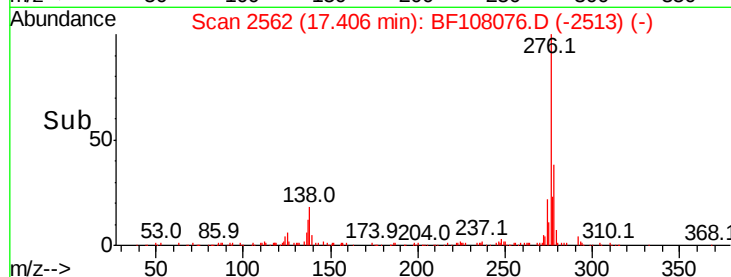
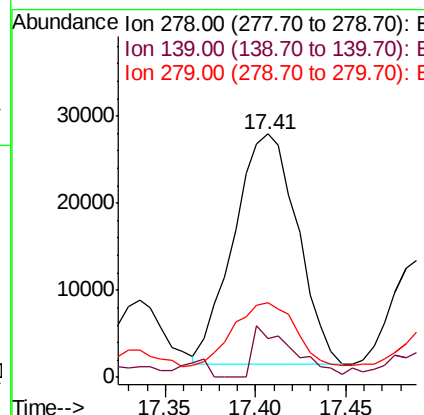
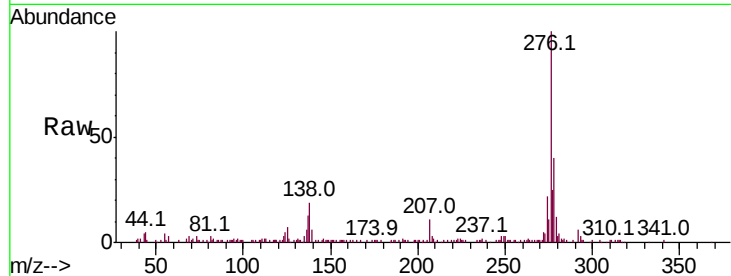
#90
Dibenzo(a,h)anthracene
Concen: 2.650 ng
RT: 17.41 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampleId :
CHA-1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.0	15.9	23.9
279	30.4	19.0	28.4

Manual Integrations
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8/10/2018 12:13:43 PM



#91
Benzo(g,h,i)perylene
Concen: 7.604 ng
RT: 17.89 min Scan# 2644
Delta R.T. -0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	20.9	21.8	32.8

