

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
 Data File : BF108075.D
 Acq On : 10 Aug 2018 8:43
 Operator : JU/SJ
 Sample : J4388-05DL 4X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3ADL

Manual Integrations
 APPROVED

Sohil
 8/10/2018 12:13:41 PM

Quant Time: Aug 10 10:57:00 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	285452	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1075987	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	524439	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	881505	20.00	ng	0.00
75) Chrysene-d12	14.22	240	669391	20.00	ng	0.00
86) Perylene-d12	15.79	264	594464	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	485068	30.77	ng	0.00
7) Phenol-d6	6.62	99	673145	32.13	ng	-0.01
23) Nitrobenzene-d5	7.57	82	417684	21.66	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	135304	25.87	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	755489	23.13	ng	0.00
78) Terphenyl-d14	13.15	244	624618	23.73	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.77	163	122359	3.349	ng	Qvalue # 99
51) Acenaphthene	10.10	154	96178	3.250	ng	99
57) Fluorene	10.61	166	136413	4.019	ng	98
70) Phenanthrene	11.59	178	1936497	46.576	ng	97
71) Anthracene	11.64	178	426254	10.003	ng	99
72) Carbazole	11.79	167	281864	7.445	ng	98
74) Fluoranthene	12.79	202	2820915	62.167	ng	94
77) Pyrene	13.02	202	2385766	56.295	ng	95
80) Benzo(a)anthracene	14.21	228	1227873	31.962	ng	98
82) Chrysene	14.25	228	1161003	32.965	ng	97
85) Indeno(1,2,3-cd)pyrene	17.40	276	500299	16.394	ng	# 86
87) Benzo(b)fluoranthene	15.32	252	1447462m	40.749	ng	
88) Benzo(k)fluoranthene	15.34	252	415740m	12.732	ng	
89) Benzo(a)pyrene	15.72	252	905039	28.453	ng	95
90) Dibenzo(a,h)anthracene	17.41	278	122468	4.653	ng	98
91) Benzo(g,h,i)perylene	17.90	276	440396	16.994	ng	# 92

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

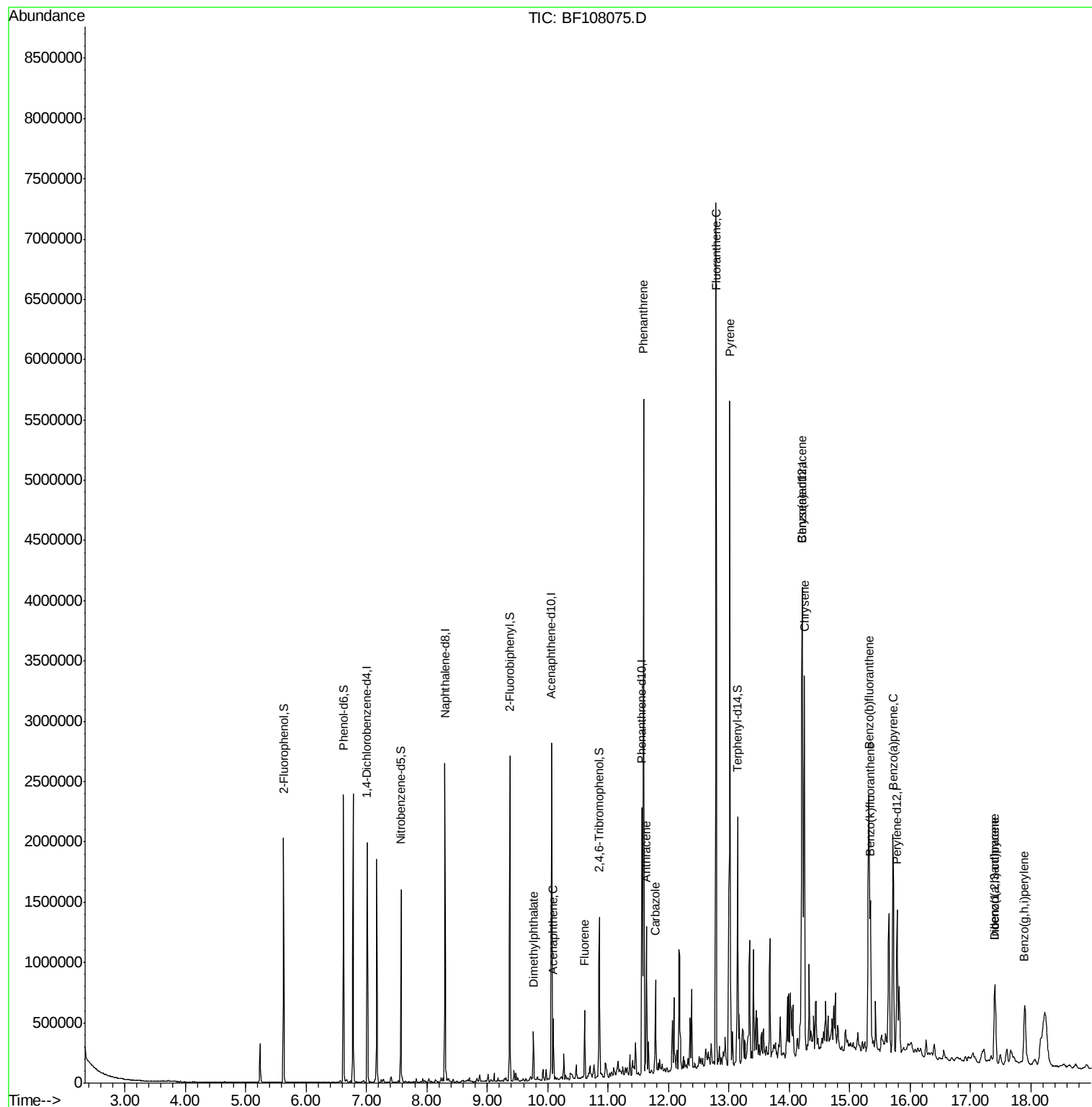
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
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#1

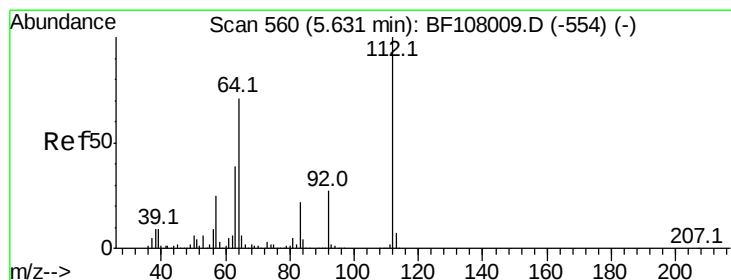
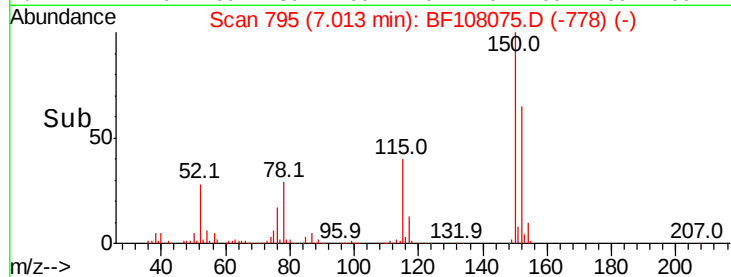
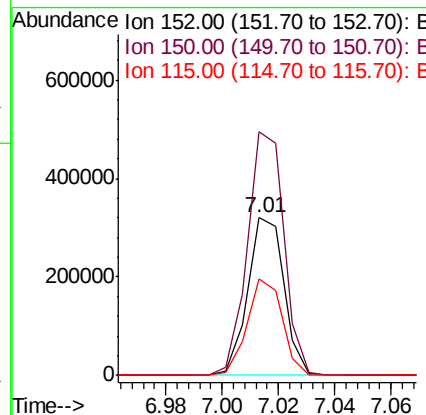
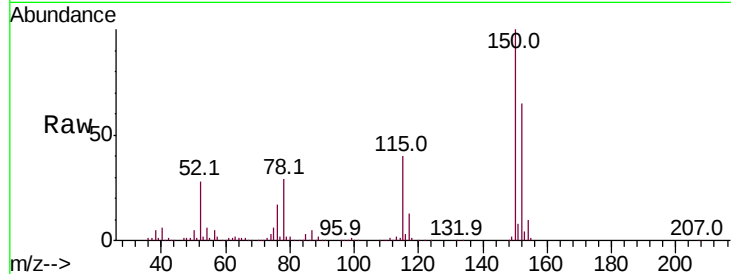
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Instrument :
BNA_F
ClientSampled :
S-3ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	61.4	50.1	75.1

Manual Integrations
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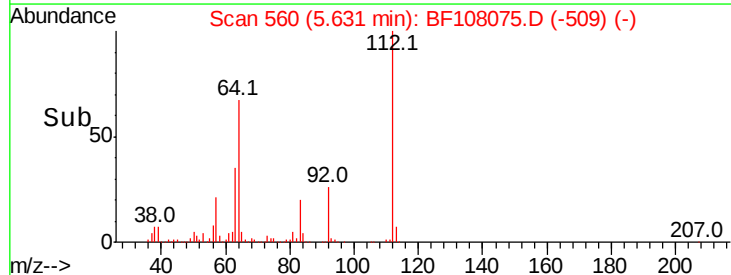
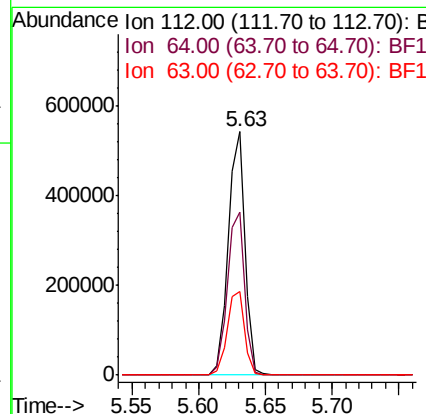
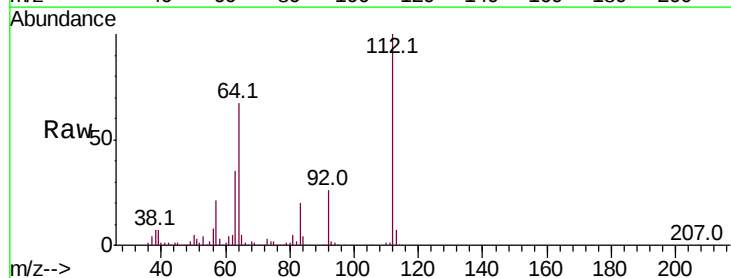
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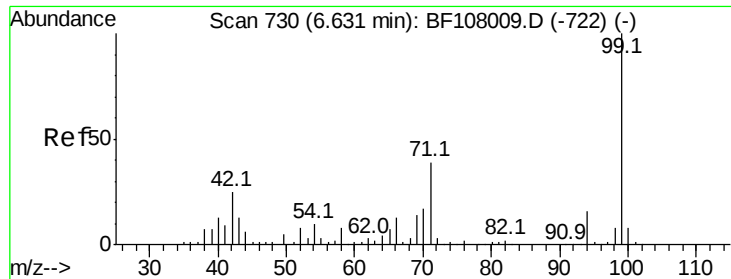


#5

2-Fluorophenol
Concen: 30.765 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	34.5	23.7	35.5





#7

Phenol-d6

Concen: 32.128 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108075.D

Acq: 10 Aug 2018 8:43

Instrument :

BNA_F

ClientSampled :

S-3ADL

Tot Ion: 99 Resp: 673145

Ion Ratio Lower Upper

99 100

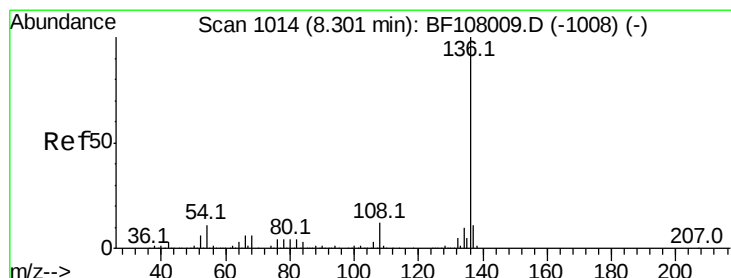
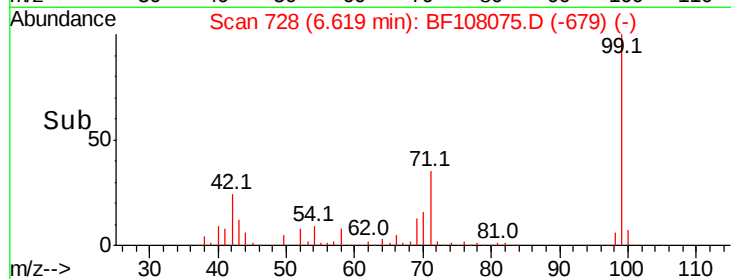
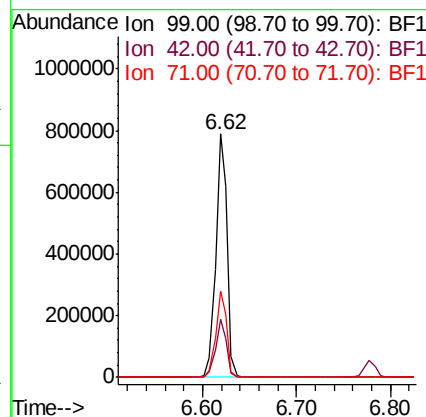
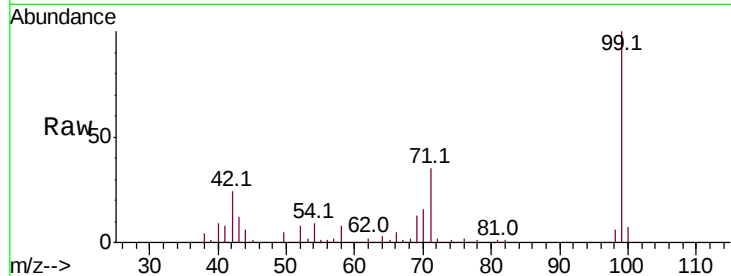
42 23.7 14.5 21.7#

71 35.4 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: BF108075.D

Acq: 10 Aug 2018 8:43

Tgt Ion: 136 Resp: 1075987

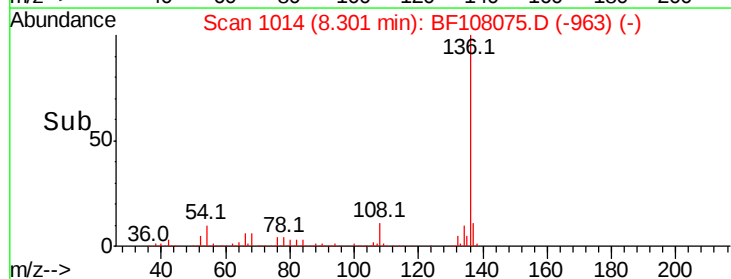
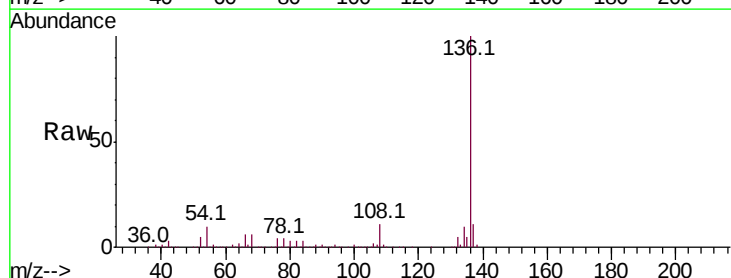
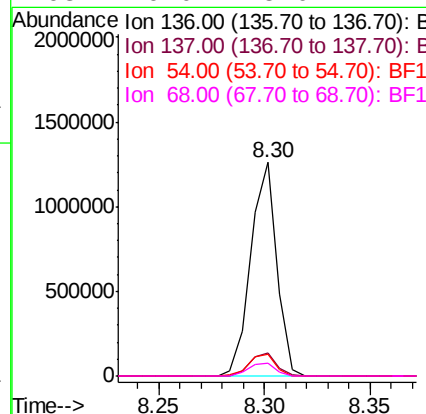
Ion Ratio Lower Upper

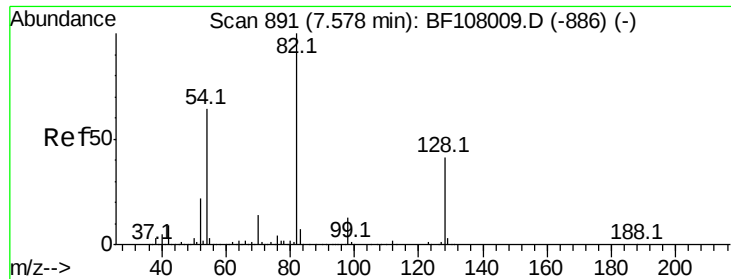
136 100

137 10.9 8.9 13.3

54 10.0 6.6 9.8#

68 6.0 5.0 7.4





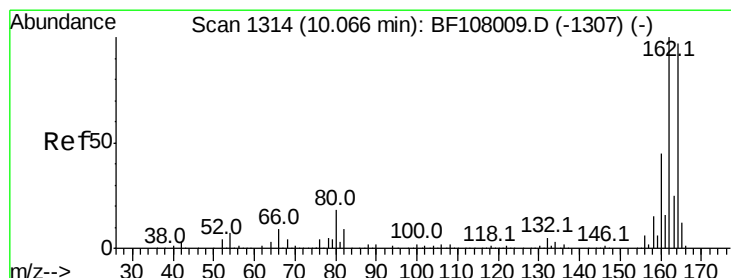
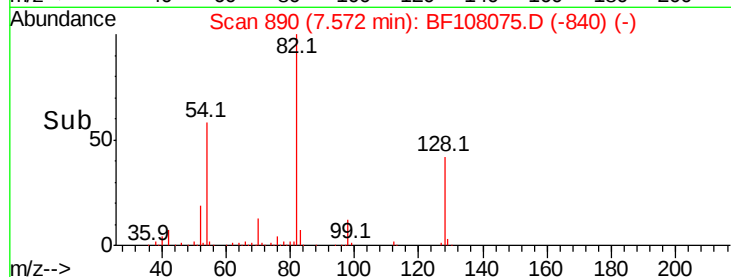
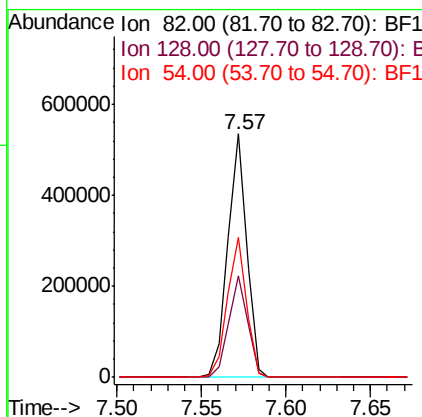
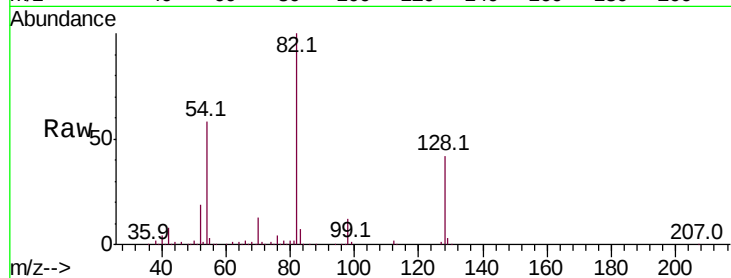
#23
 Nitrobenzene-d5
 Concen: 21.661 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108075.D
 Acq: 10 Aug 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 S-3ADL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	36.1	54.1
54	57.6	41.4	62.2

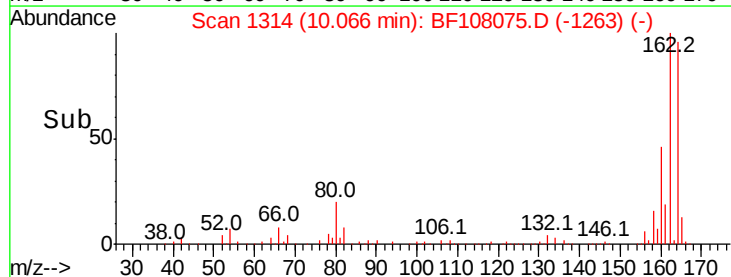
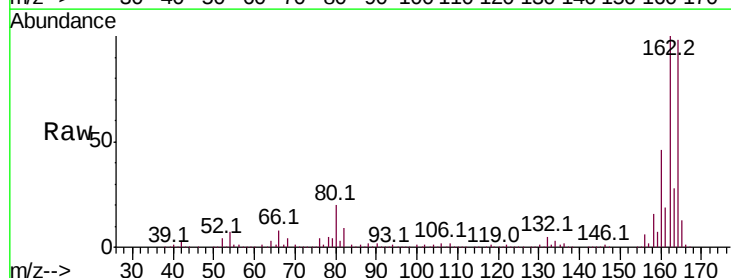
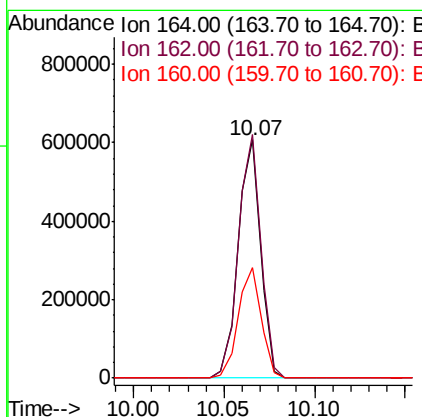
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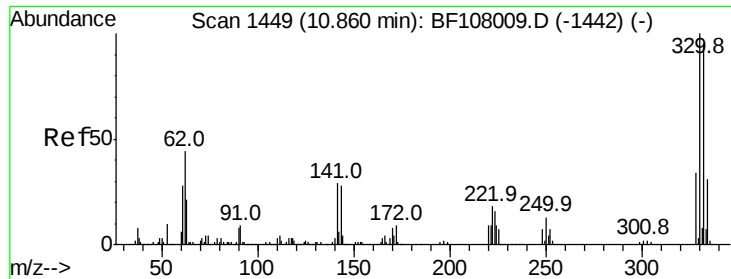
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108075.D
 Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	46.6	38.3	57.5





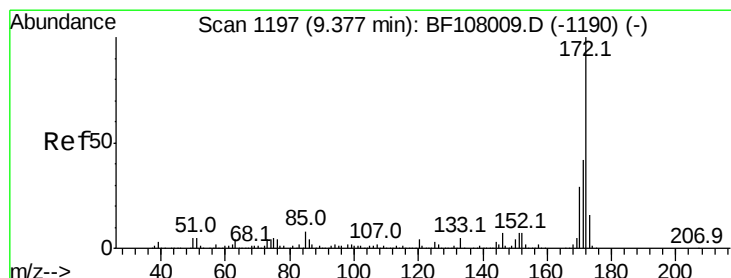
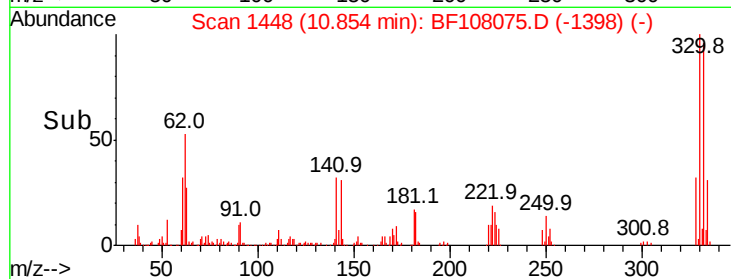
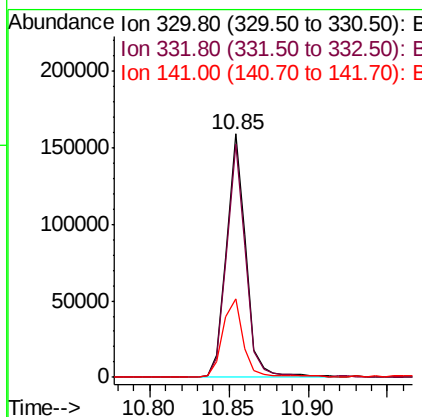
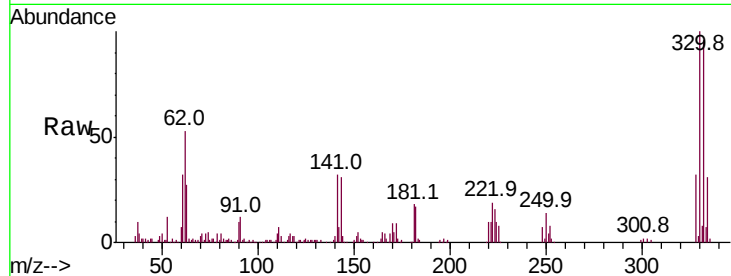
#41
 2,4,6-Tribromophenol
 Concen: 25.865 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108075.D
 Acq: 10 Aug 2018 8:43

Instrument :
 BNA_F
 ClientSampled :
 S-3ADL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	135304		
332	94.8	77.0	115.6	
141	34.7	29.9	44.9	

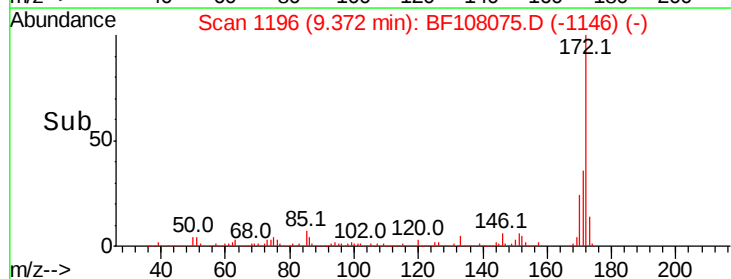
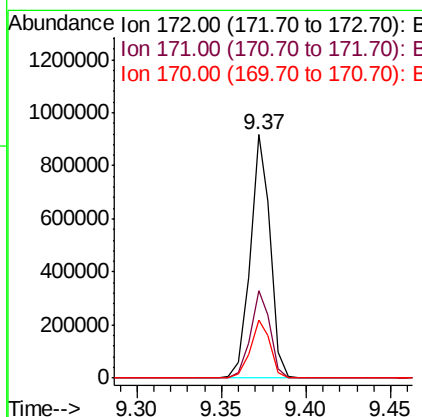
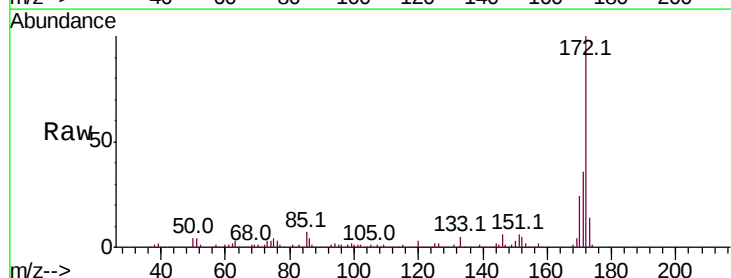
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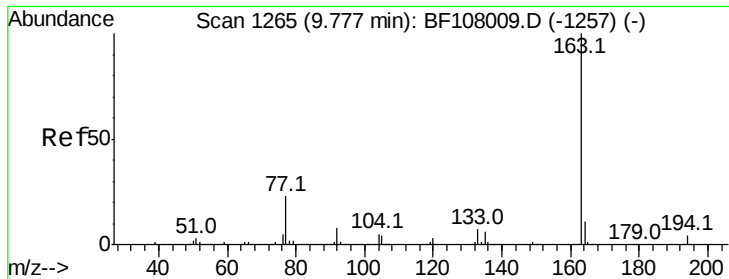
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#44
 2-Fluorobiphenyl
 Concen: 23.128 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108075.D
 Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	755489		
171	36.1	29.7	44.5	
170	23.6	19.6	29.4	





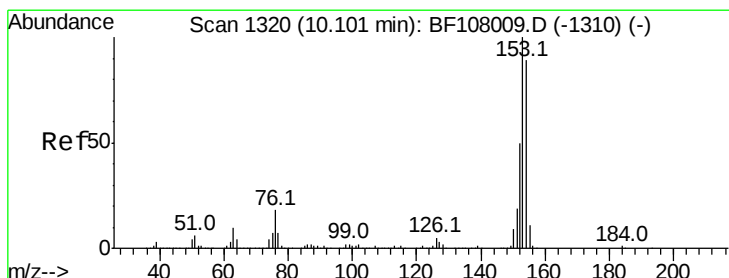
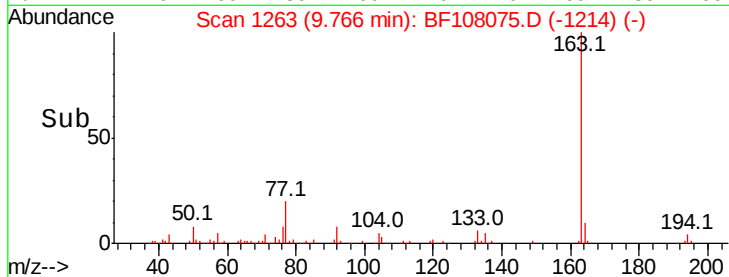
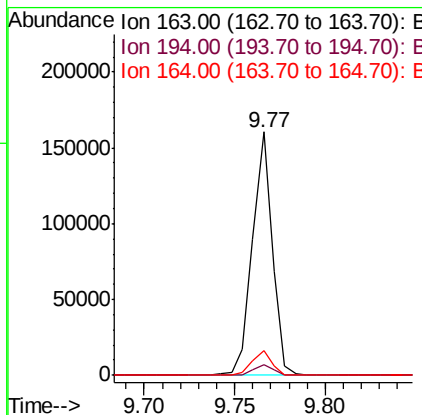
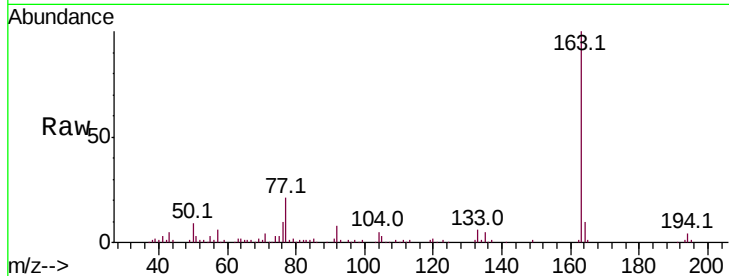
#49
Dimethylphthalate
Concen: 3.349 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Instrument :
BNA_F
ClientSampleId :
S-3ADL

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.4	2.7	4.1#	
164	10.0	8.2	12.2	

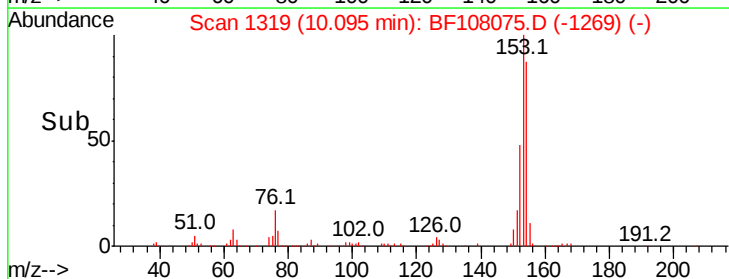
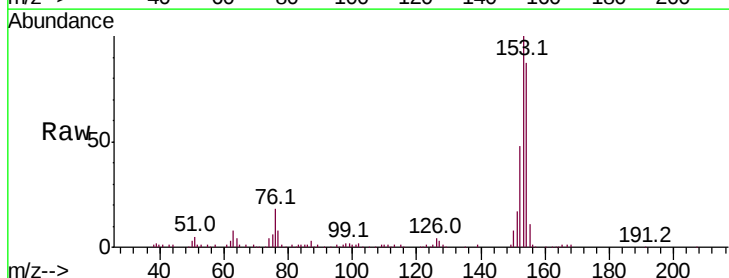
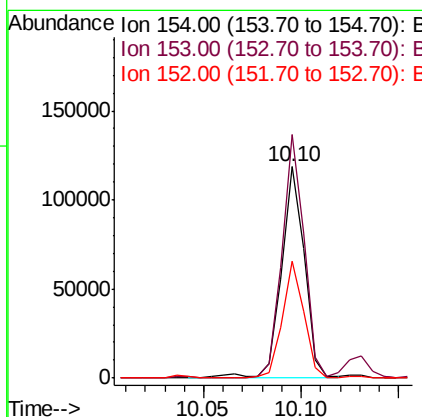
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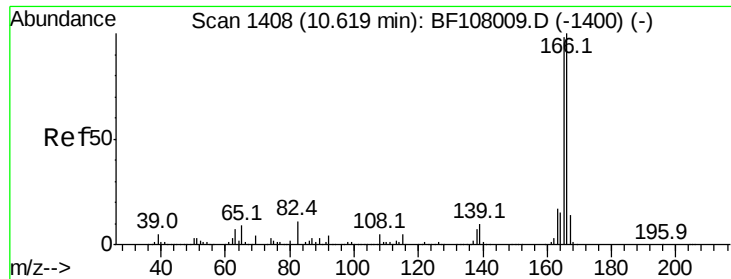
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#51
Acenaphthene
Concen: 3.250 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.2	91.2	136.8	
152	55.3	43.8	65.8	





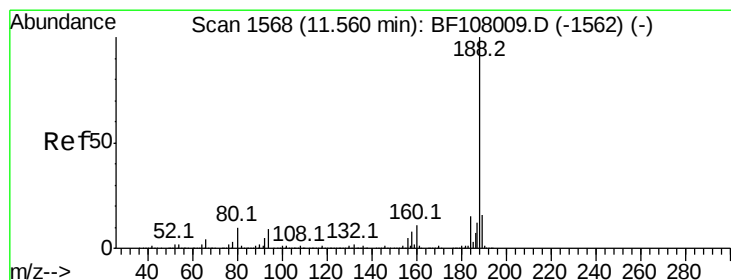
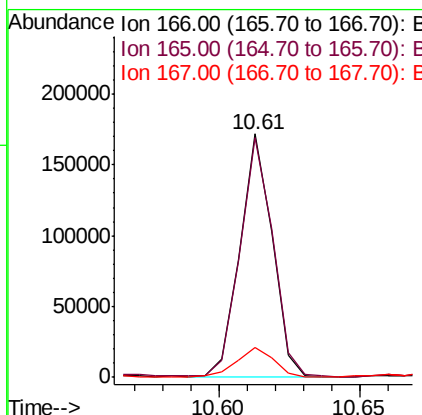
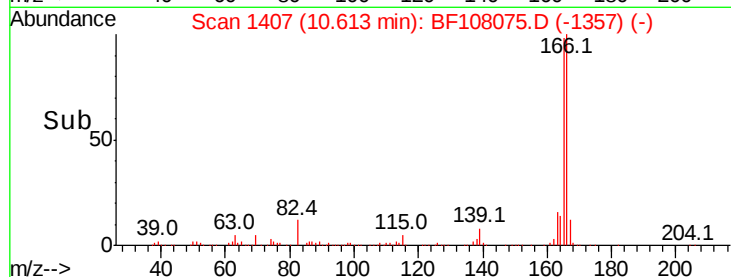
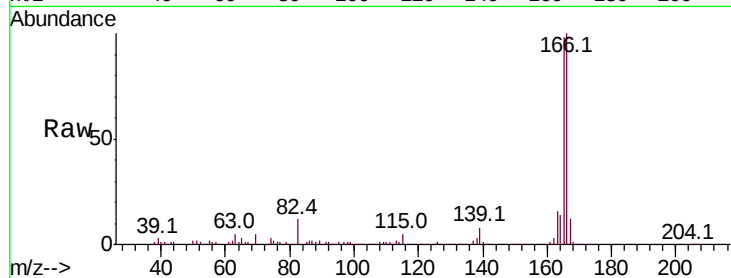
#57
Fluorene
 Concen: 4.019 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108075.D
 Acq: 10 Aug 2018 8:43

Instrument :
 BNA_F
 ClientSampleId :
 S-3ADL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	136413		
165	98.3	79.8	119.8	
167	12.1	10.6	16.0	

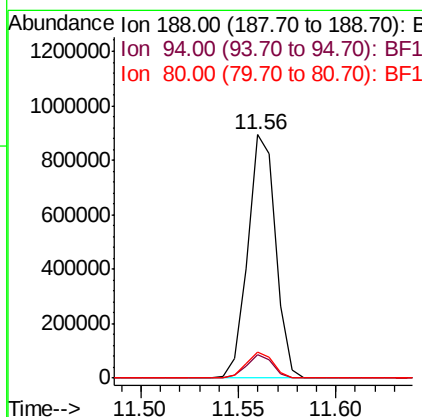
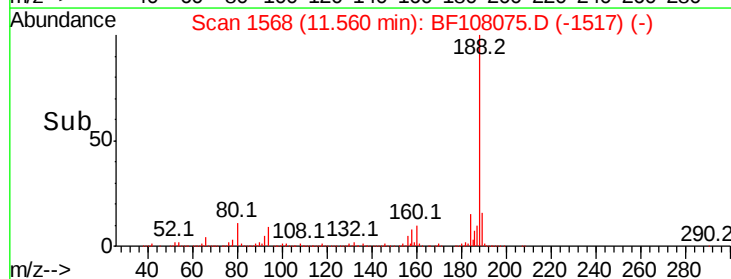
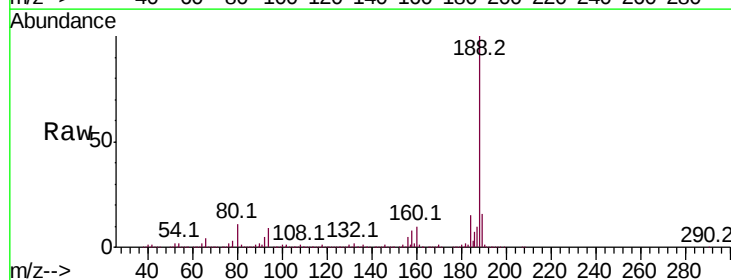
Manual Integrations
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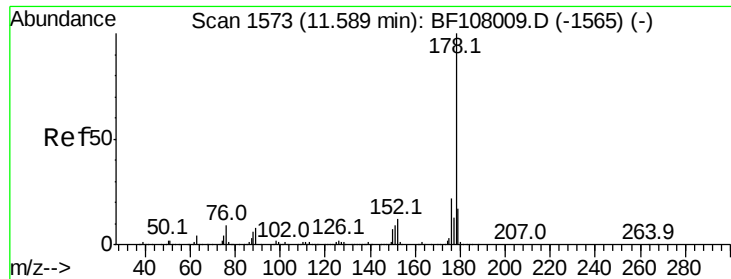
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108075.D
 Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	881505		
94	9.5	8.5	12.7	
80	10.6	9.2	13.8	





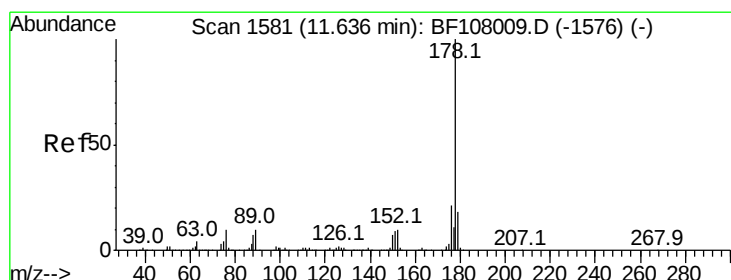
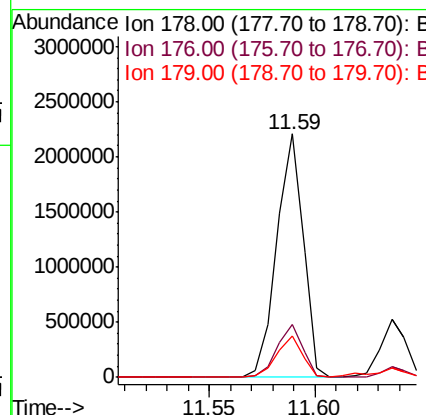
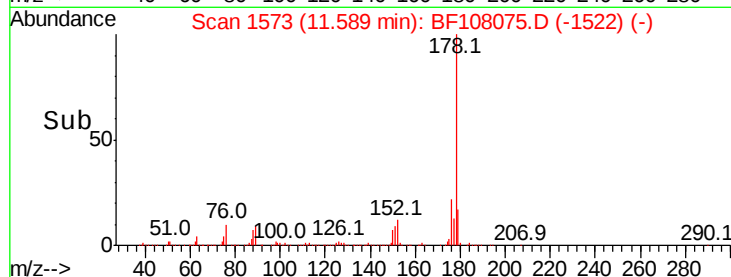
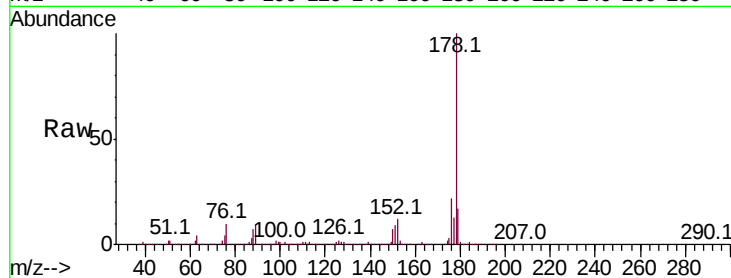
#70
Phenanthrene
Concen: 46.576 ng
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Instrument :
BNA_F
ClientSampled :
S-3ADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.8	15.8	23.8
179	17.0	13.0	19.6

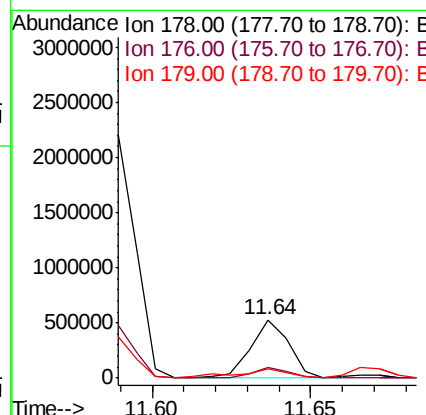
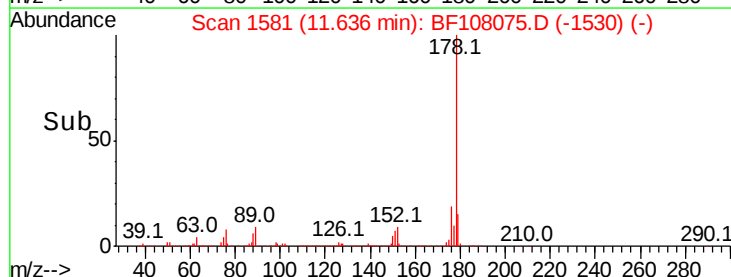
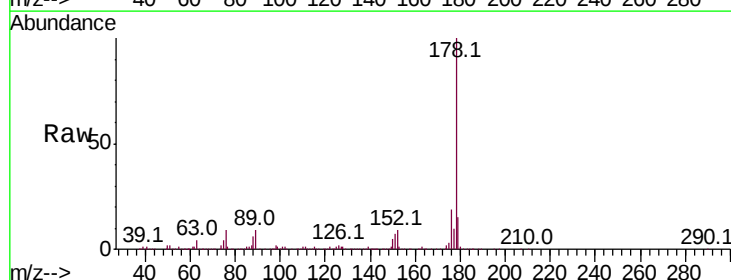
Manual Integrations
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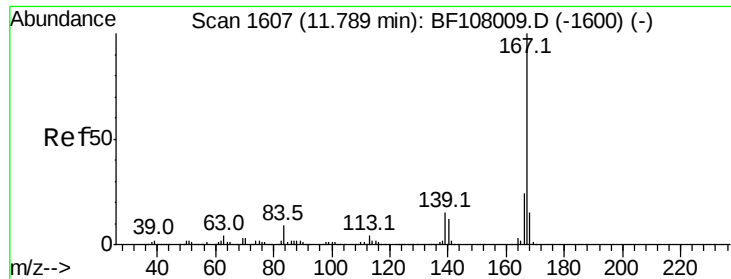
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#71
Anthracene
Concen: 10.003 ng
RT: 11.64 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.6	19.0





#72

Carbazole

Concen: 7.445 ng

RT: 11.79 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BF108075.D

Acq: 10 Aug 2018 8:43

Instrument :

BNA_F

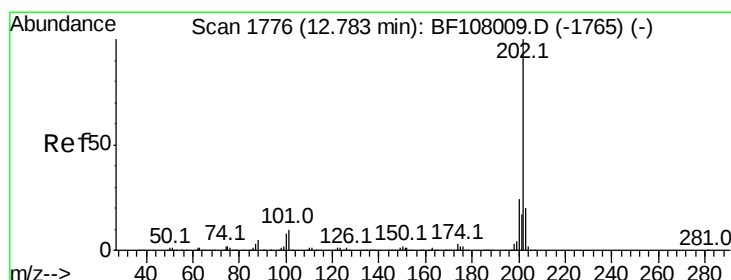
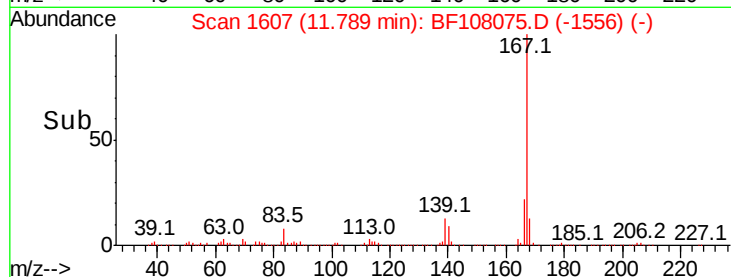
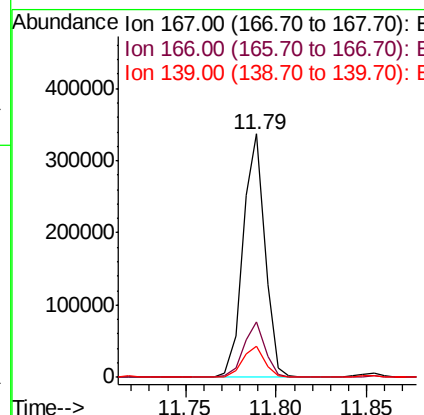
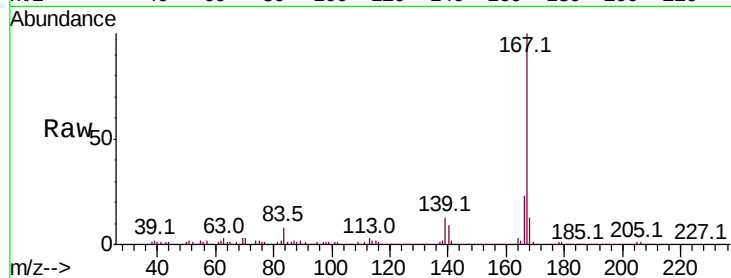
ClientSampleId :

S-3ADL

Tot Ion:	167	Resp:	281864
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.6	26.4
139	12.8	10.9	16.3

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#74

Fluoranthene

Concen: 62.167 ng

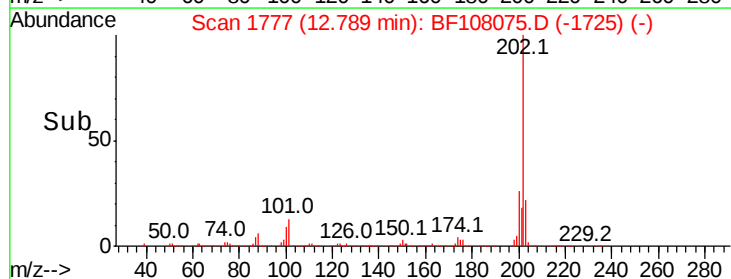
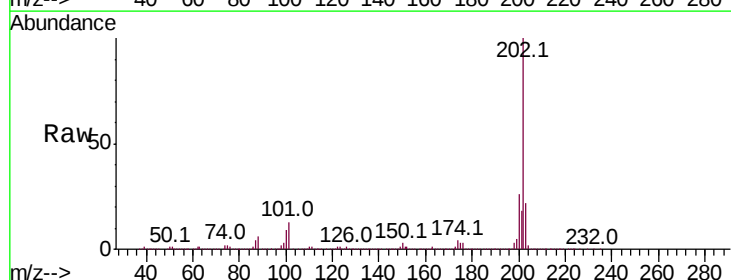
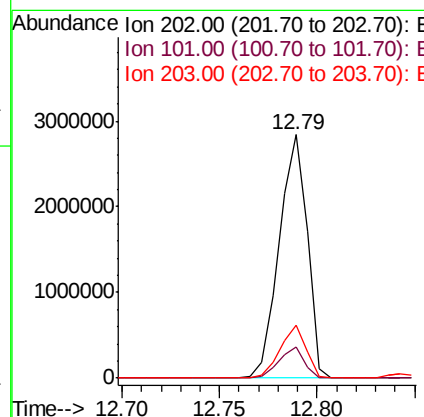
RT: 12.79 min Scan# 1777

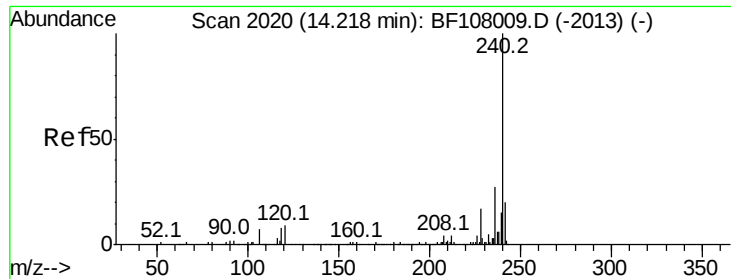
Delta R.T. 0.01 min

Lab File: BF108075.D

Acq: 10 Aug 2018 8:43

Tgt Ion:	202	Resp:	2820915
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	21.6	0.0	38.1





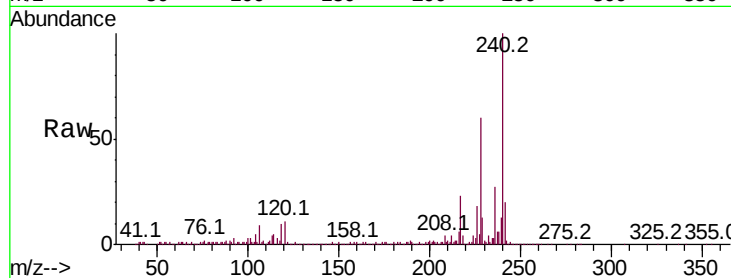
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.22 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Instrument :
BNA_F
ClientSampled :
S-3ADL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	26.8	20.7	31.1

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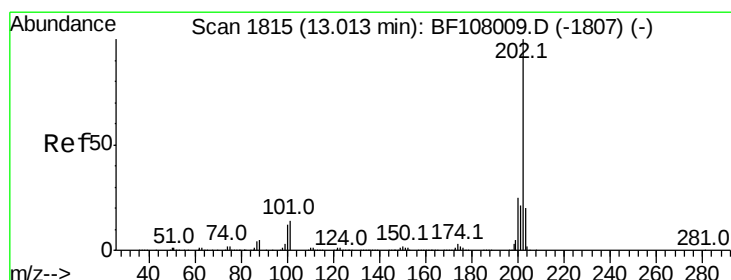
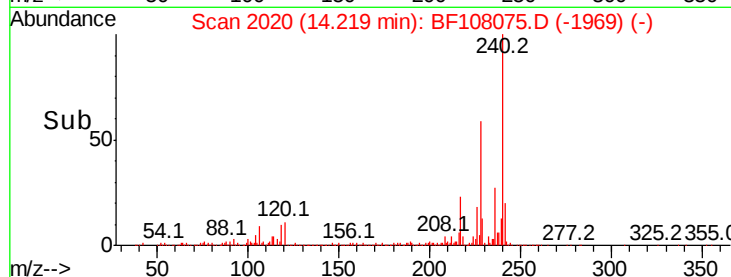
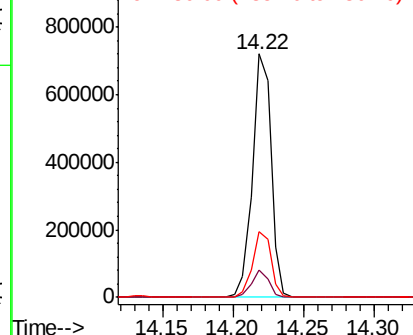


Abundance

Ion 240.00 (239.70 to 240.70): E

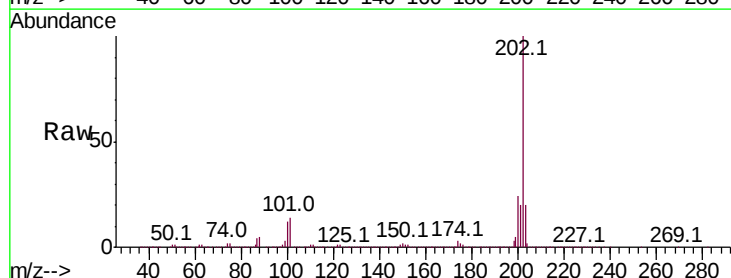
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Pyrene
Concen: 56.295 ng
RT: 13.02 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.8	17.4	26.2
203	20.4	14.3	21.5

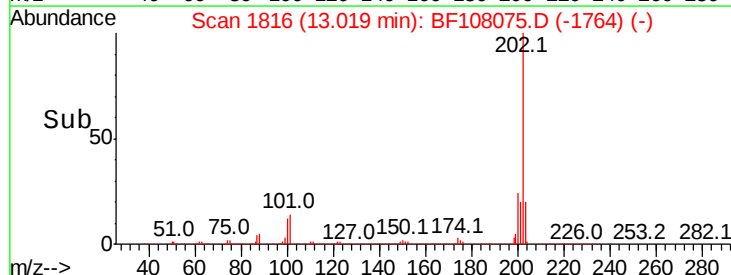
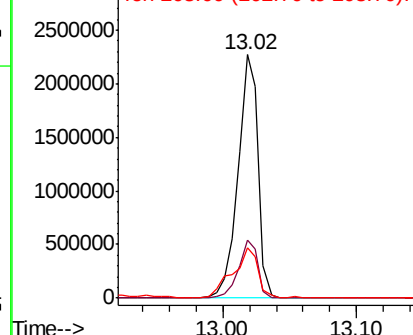


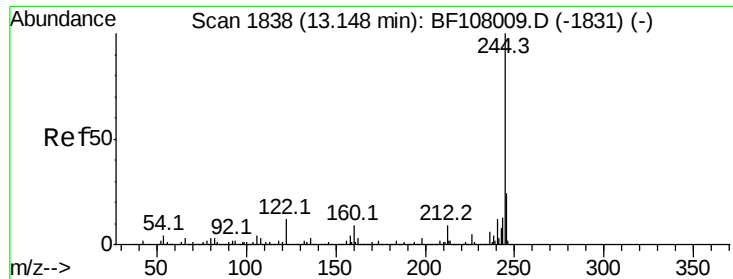
Abundance

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





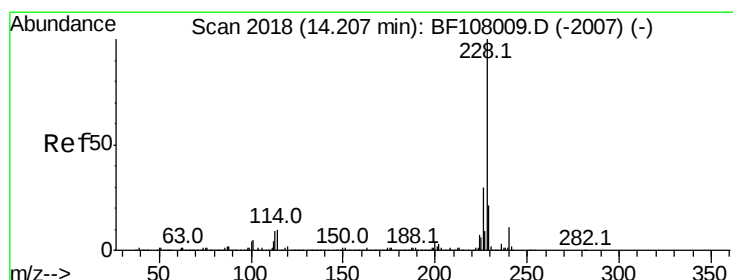
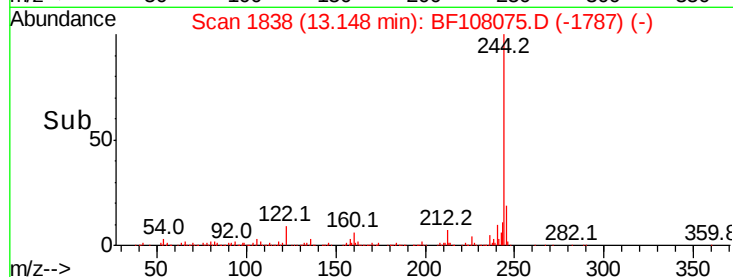
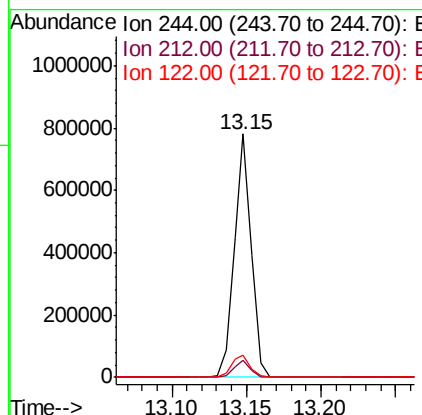
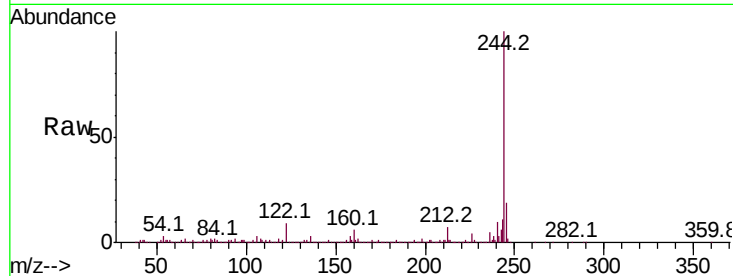
#78
 Terphenyl-d14
 Concen: 23.725 ng
 RT: 13.15 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF108075.D
 Acq: 10 Aug 2018 8:43

Instrument :
 BNA_F
 ClientSampled :
 S-3ADL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.1	11.0	16.4

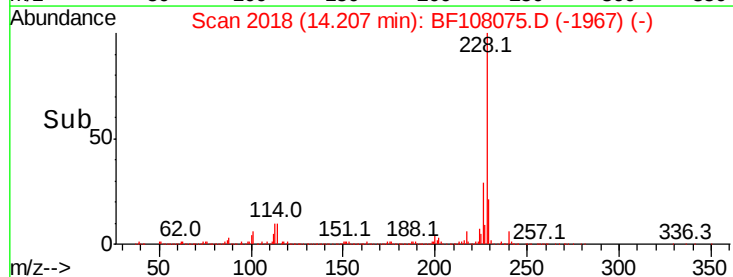
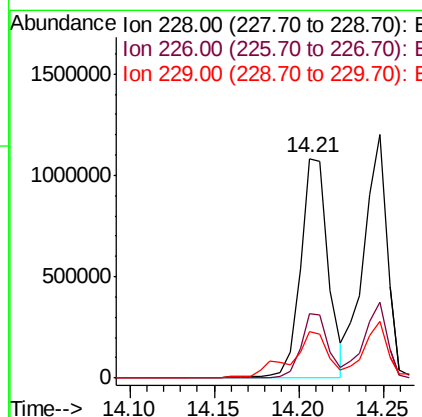
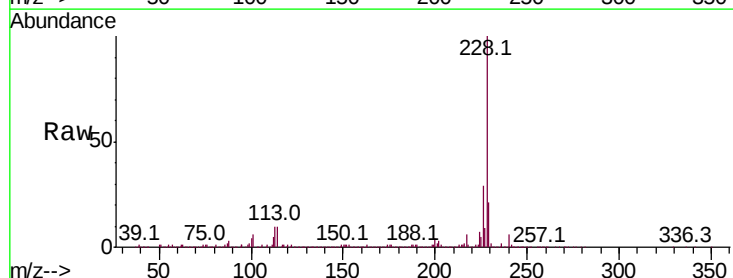
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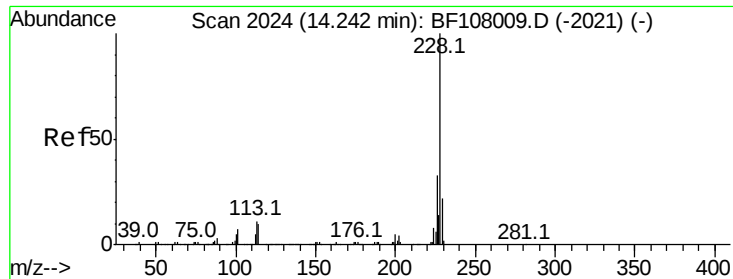
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#80
 Benzo(a)anthracene
 Concen: 31.962 ng
 RT: 14.21 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BF108075.D
 Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.0	15.8	23.6





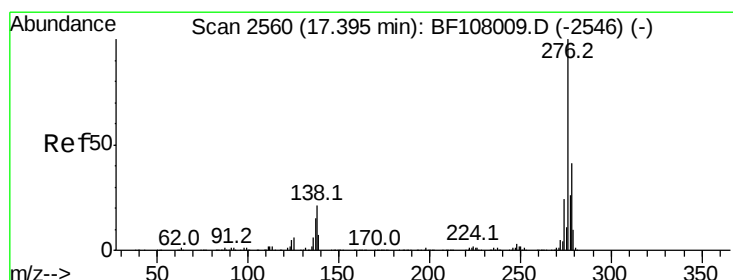
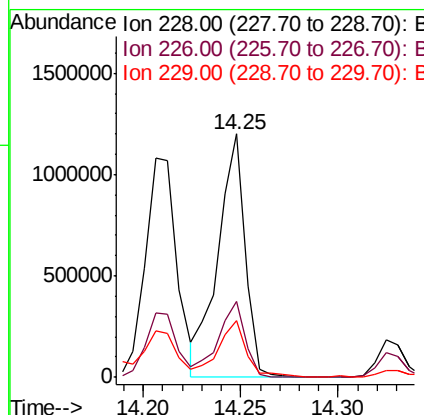
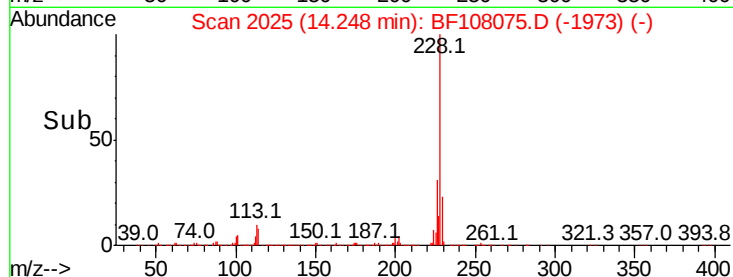
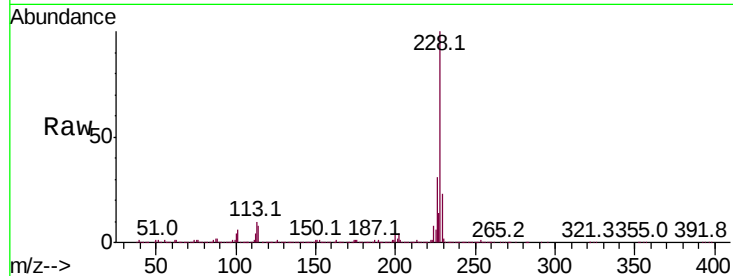
#82
Chrysene
Concen: 32.965 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Instrument :
BNA_F
ClientSampleId :
S-3ADL

Tot Ion:	228	Resp:	1161003
Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	23.2	16.2	24.4

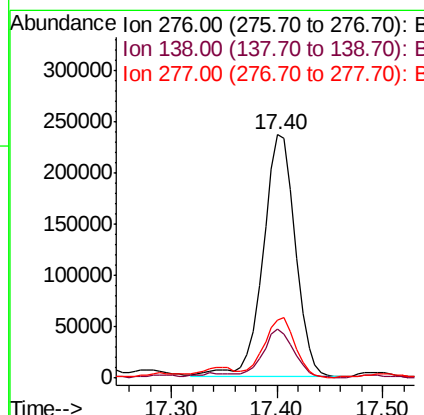
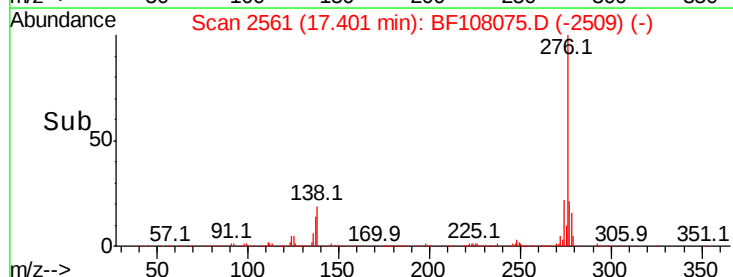
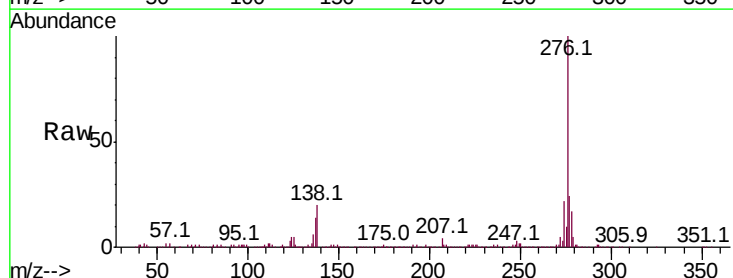
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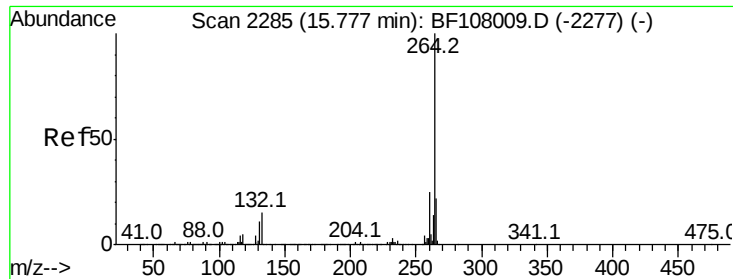
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 16.394 ng
RT: 17.40 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Tgt Ion:	276	Resp:	500299
Ion	Ratio	Lower	Upper
276	100		
138	18.9	25.0	37.6#
277	23.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.79 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF108075.D

Acq: 10 Aug 2018 8:43

Instrument :

BNA_F

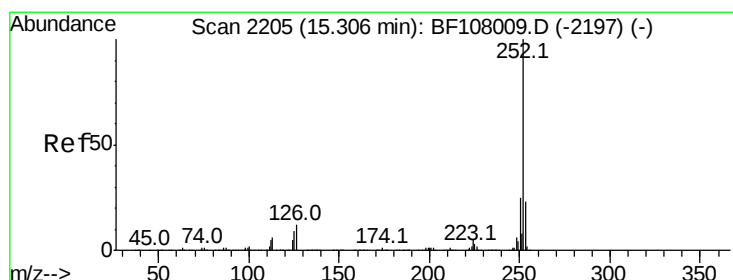
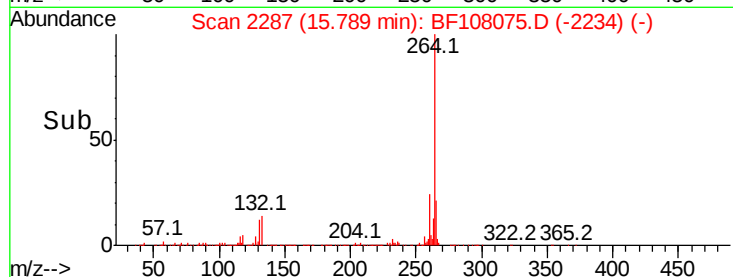
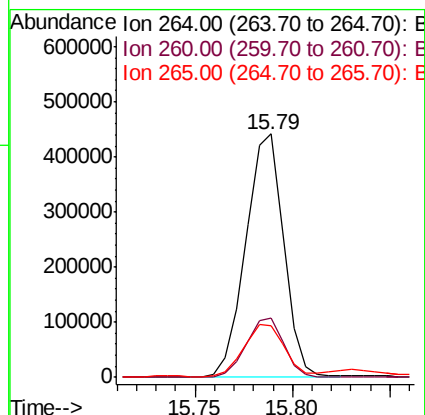
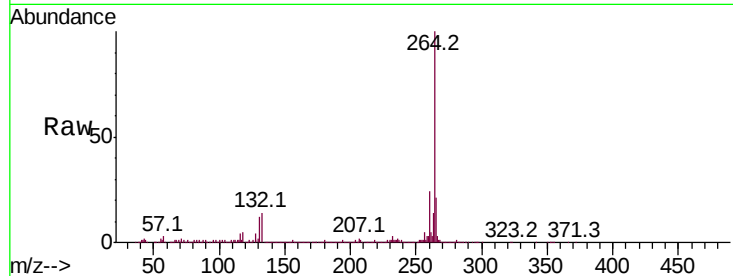
ClientSampleId :

S-3ADL

Tot Ion:	264	Resp:	594464
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	21.3	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 40.749 ng m

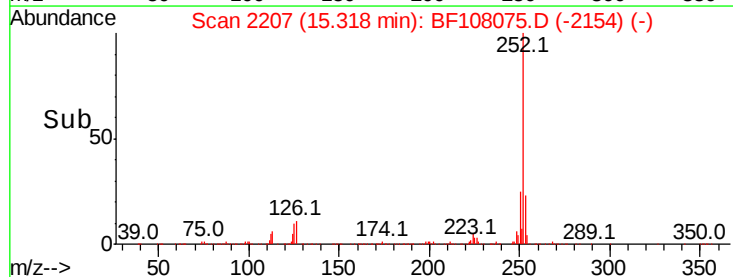
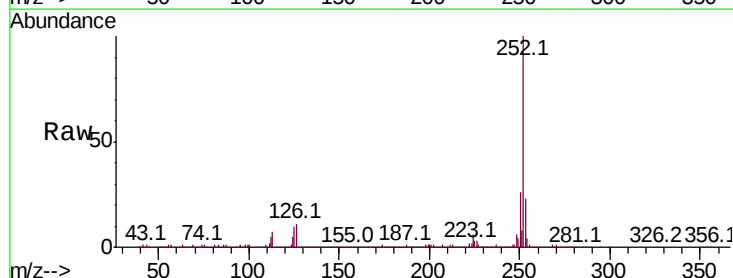
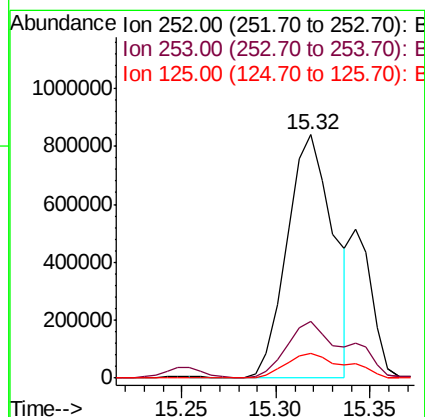
RT: 15.32 min Scan# 2207

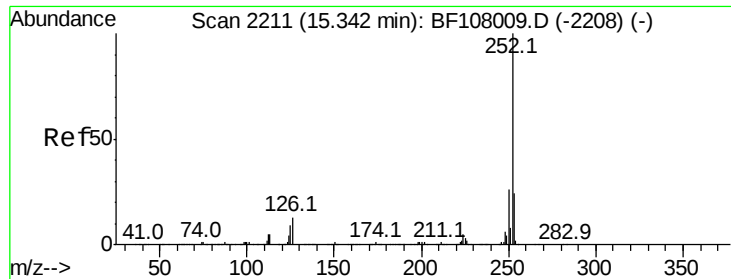
Delta R.T. 0.01 min

Lab File: BF108075.D

Acq: 10 Aug 2018 8:43

Tgt Ion:	252	Resp:	1447462
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	10.0	9.0	13.6





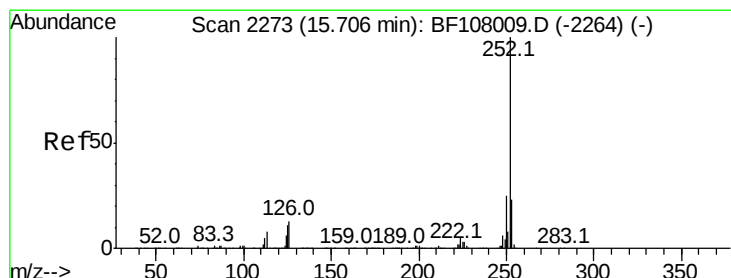
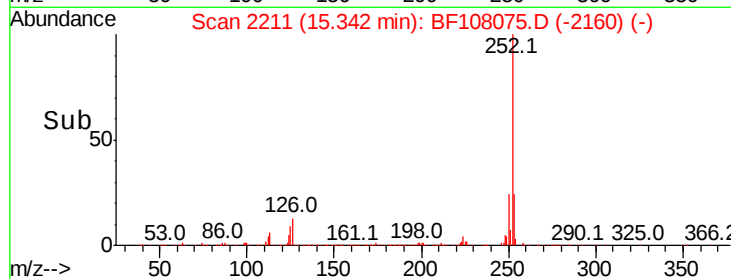
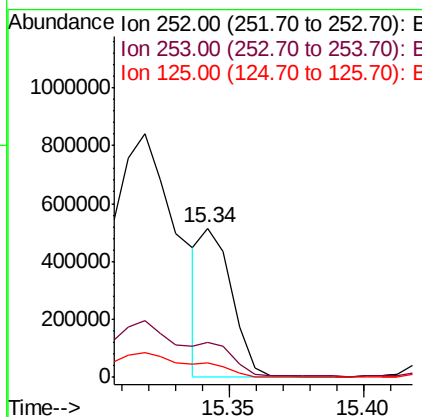
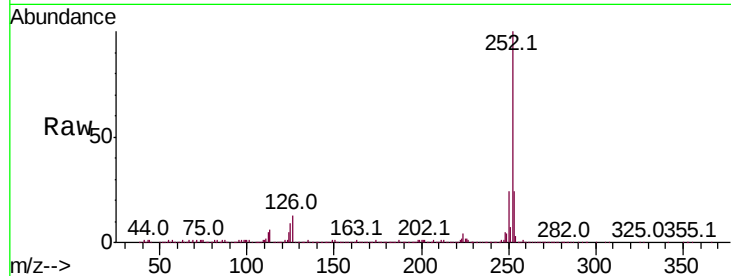
#88
Benzo(k)fluoranthene
Concen: 12.732 ng/mL
RT: 15.34 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Instrument :
BNA_F
ClientSampleID :
S-3ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	9.5	10.2	15.2

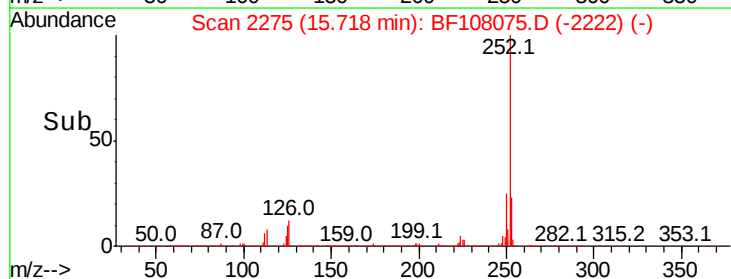
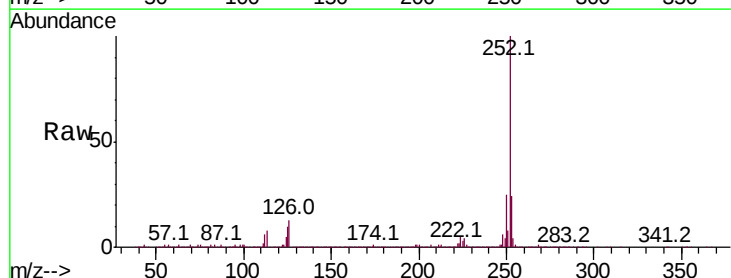
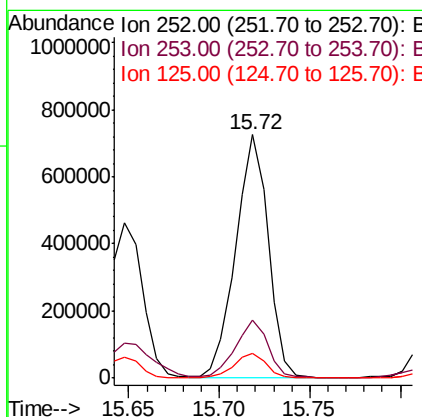
Manual Integrations
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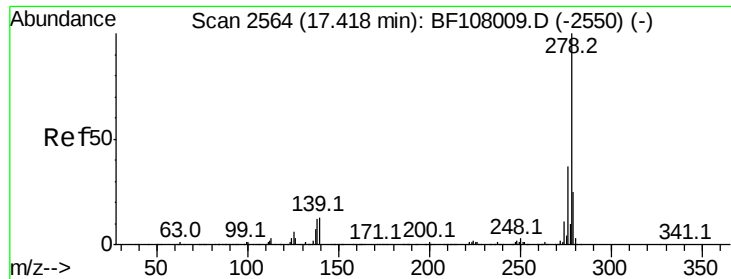
Sohil
8/10/2018 12:13:41 PM



#89
Benzo(a)pyrene
Concen: 28.453 ng/mL
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	10.2	9.8	14.6





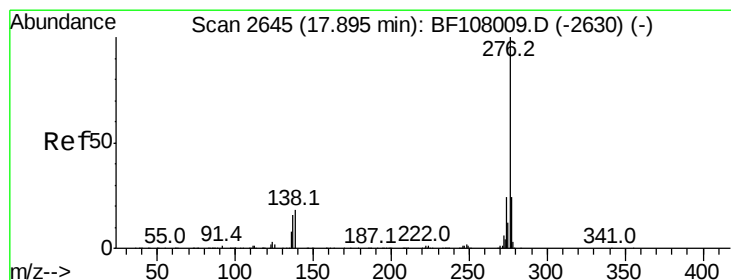
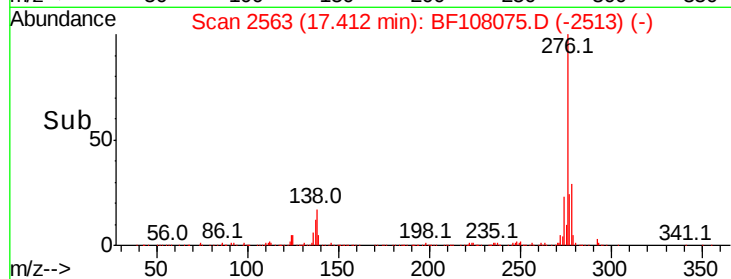
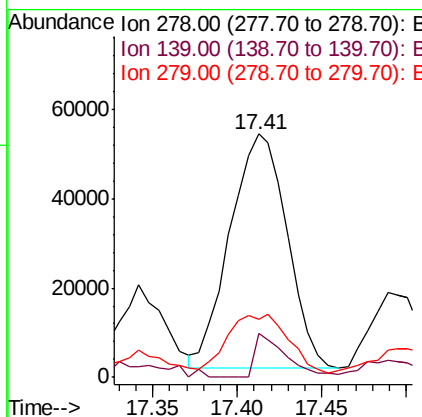
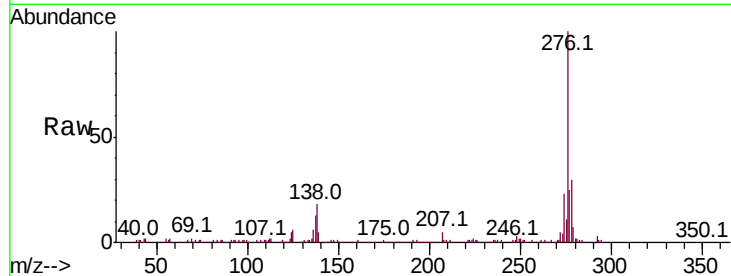
#90
Dibenzo(a,h)anthracene
Concen: 4.653 ng
RT: 17.41 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Instrument :
BNA_F
ClientSampleId :
S-3ADL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.9	15.9	23.9
279	24.0	19.0	28.4

Manual Integrations
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8/10/2018 12:13:41 PM



#91
Benzo(g,h,i)perylene
Concen: 16.994 ng
RT: 17.90 min Scan# 2646
Delta R.T. 0.01 min
Lab File: BF108075.D
Acq: 10 Aug 2018 8:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	17.9	26.9
138	19.6	21.8	32.8#

