

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104793.D
 Acq On : 25 Apr 2018 17:13
 Operator : JU/SJ
 Sample : J2520-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8 0.0-0.5

Manual Integrations
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Sohil
 4/26/2018 6:09:42 PM

Quant Time: Apr 26 11:35:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	123417	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	497147	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	217081	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	344260	20.00	ng	0.00
75) Chrysene-d12	13.99	240	214333	20.00	ng	0.00
86) Perylene-d12	15.45	264	193421	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	656422	81.33	ng	0.00
7) Phenol-d6	6.44	99	822154	82.90	ng	0.00
23) Nitrobenzene-d5	7.37	82	526286	69.13	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	169520	75.28	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	840144	61.14	ng	0.00
78) Terphenyl-d14	12.92	244	562041	59.78	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.70	152	54994	2.433	ng	99
49) Dimethylphthalate	9.55	163	133242	7.783	ng	99
51) Acenaphthene	9.87	154	33942	2.462	ng	98
57) Fluorene	10.39	166	38614	2.761	ng	96
70) Phenanthrene	11.36	178	637835	33.270	ng	98
71) Anthracene	11.41	178	141772	7.275	ng	97
72) Carbazole	11.56	167	50648	2.660	ng	98
74) Fluoranthene	12.55	202	862162	43.042	ng	99
77) Pyrene	12.79	202	770971	48.528	ng	100
80) Benzo(a)anthracene	13.97	228	413316	32.279	ng	96
82) Chrysene	14.01	228	399155	30.349	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	163785	14.660	ng	# 89
87) Benzo(b)fluoranthene	15.03	252	451548m	36.963	ng	
88) Benzo(k)fluoranthene	15.05	252	152415m	13.215	ng	
89) Benzo(a)pyrene	15.39	252	302551	27.680	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	44479m	4.955	ng	
91) Benzo(g,h,i)perylene	17.36	276	143510	16.500	ng	93

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

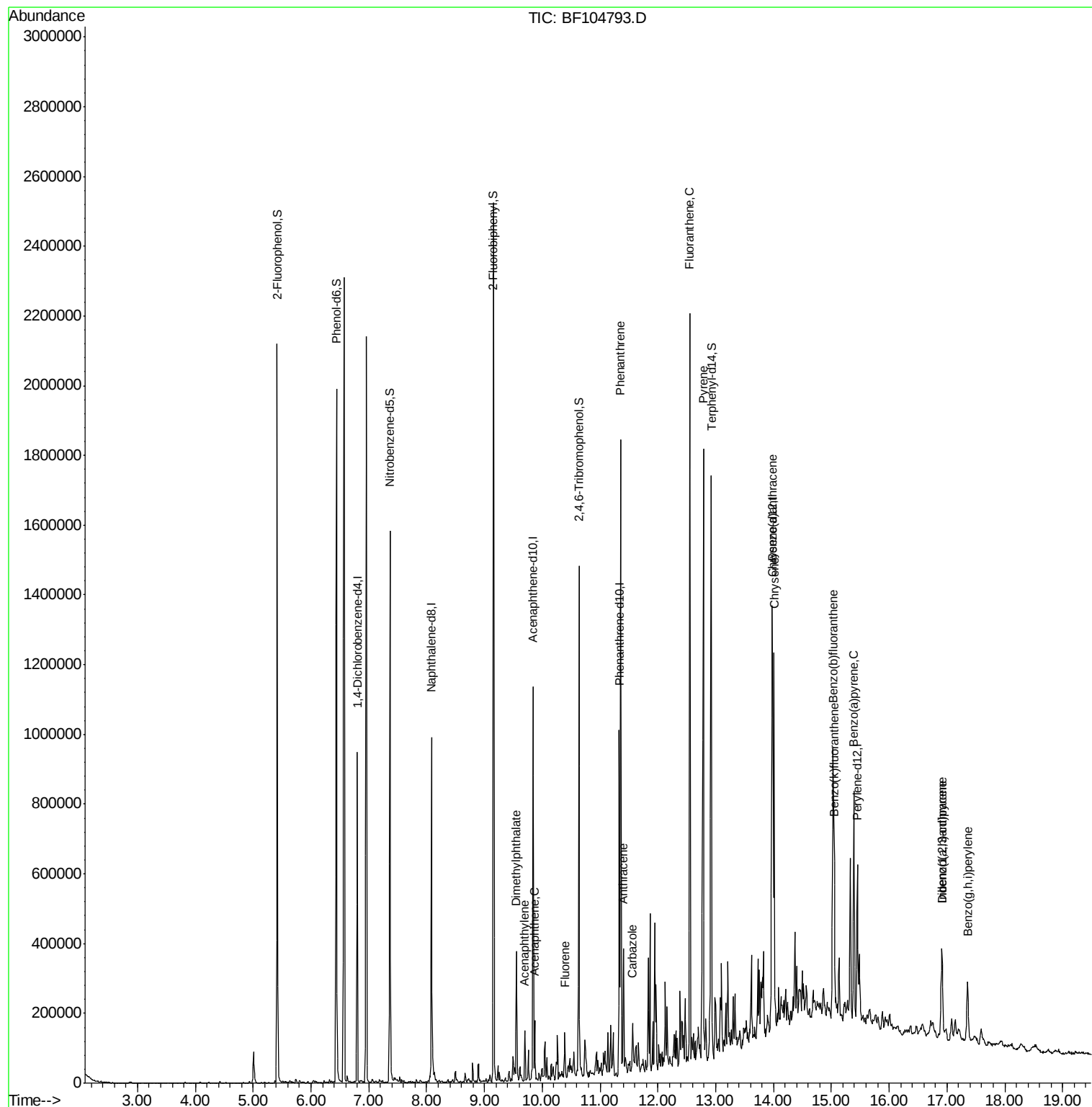
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
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TP-8 0.0-0.5

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#1

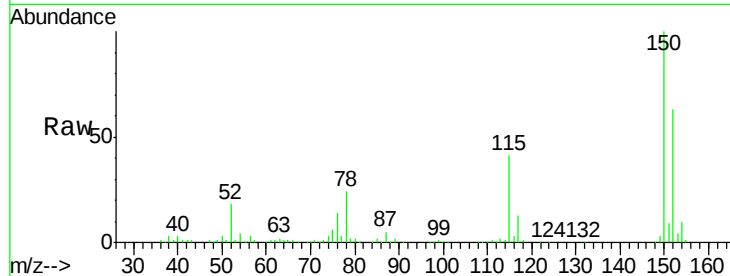
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Instrument :
BNA_F
ClientSampleId :
TP-8 0.0-0.5

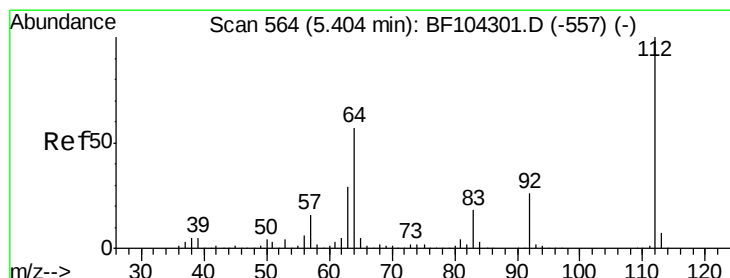
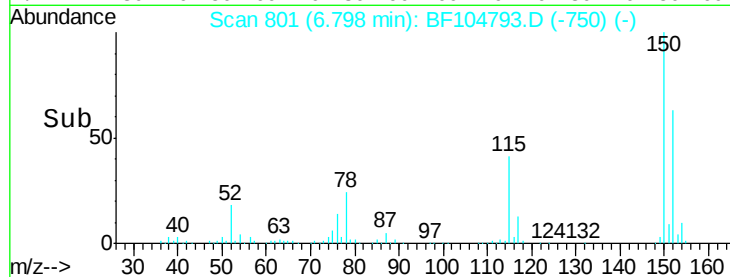
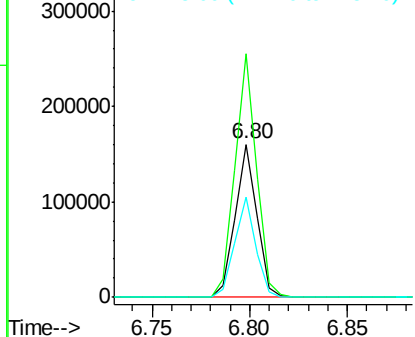
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	65.4	50.1	75.1

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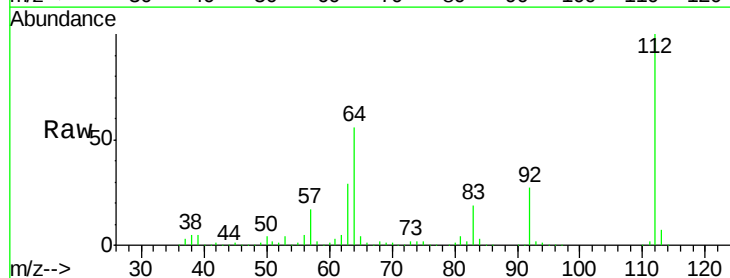
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



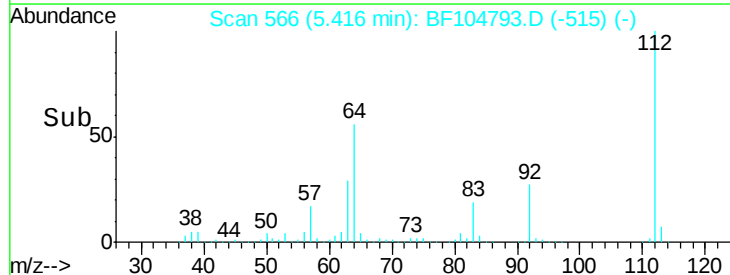
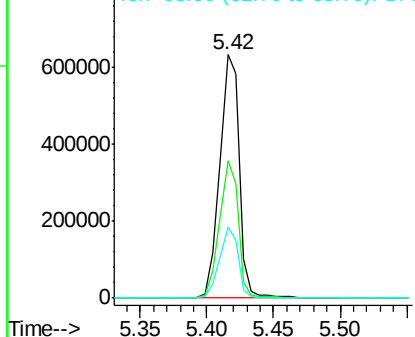
#5

2-Fluorophenol
Concen: 81.326 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	29.0	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: 82.902 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104793.D

Acq: 25 Apr 2018 17:13

Instrument :

BNA_F

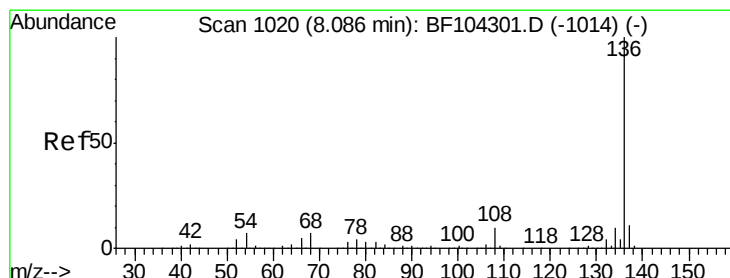
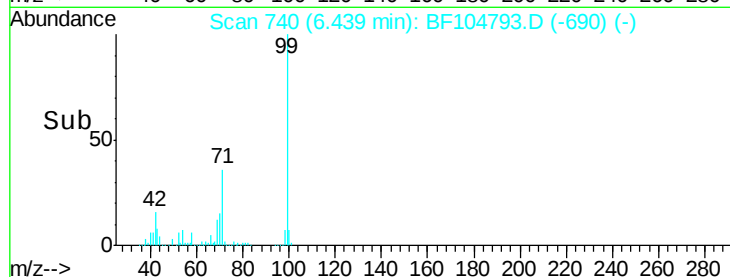
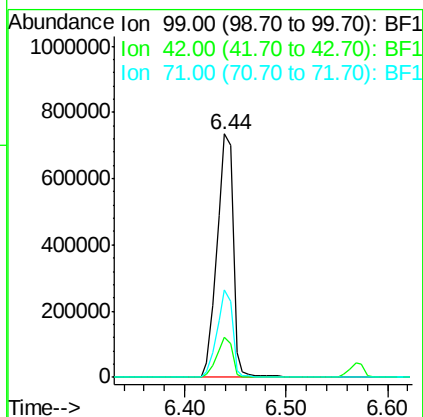
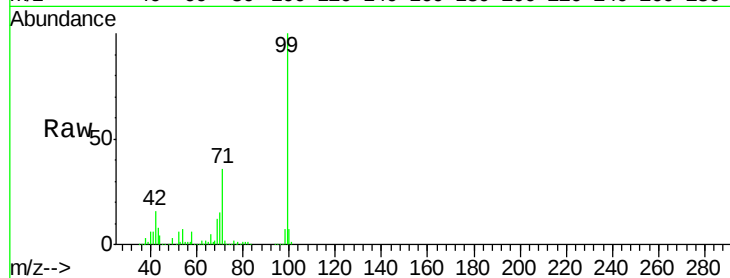
ClientSampled :

TP-8 0.0-0.5

Tot Ion:	99	Resp:	822154
Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	35.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

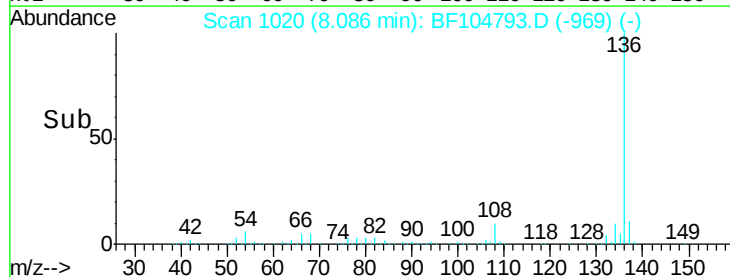
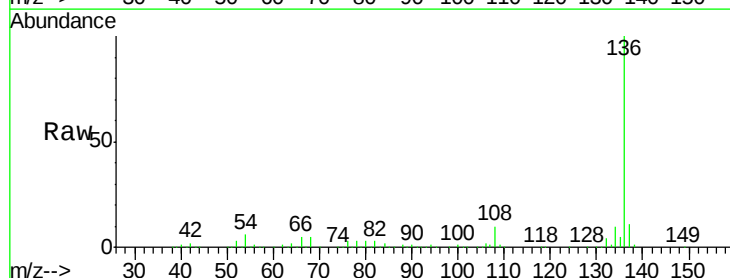
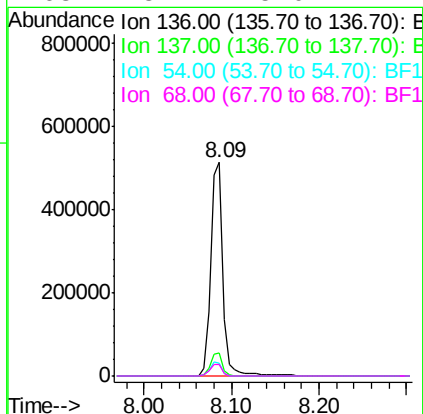
RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104793.D

Acq: 25 Apr 2018 17:13

Tgt Ion:	136	Resp:	497147
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	5.7	6.6	9.8#
68	5.1	5.0	7.4





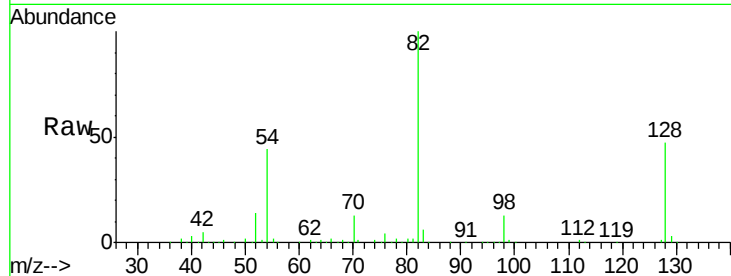
#23
Nitrobenzene-d5
Concen: 69.125 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Instrument :
BNA_F
ClientSampleId :
TP-8 0.0-0.5

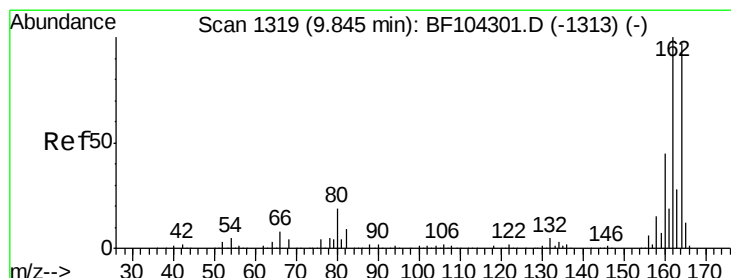
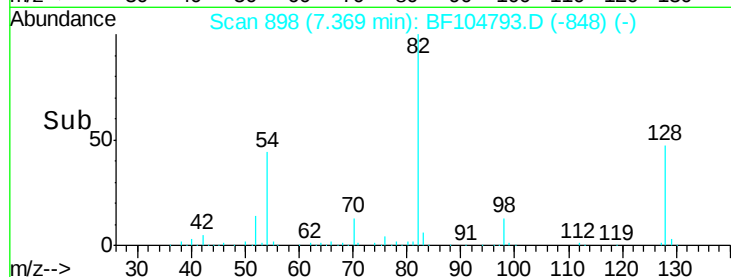
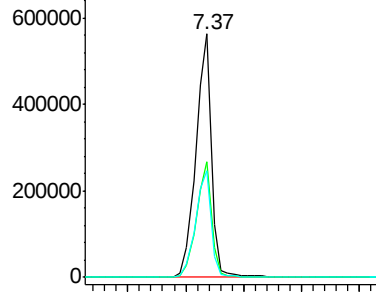
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.4	36.1	54.1	
54	43.9	41.4	62.2	

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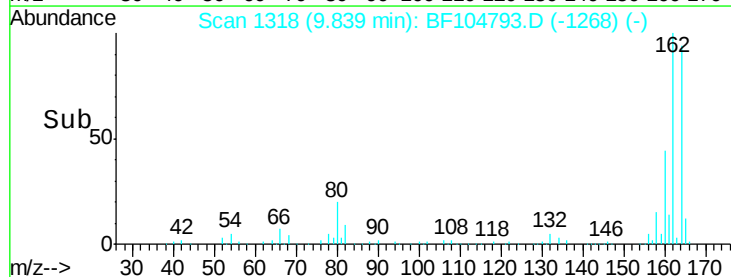
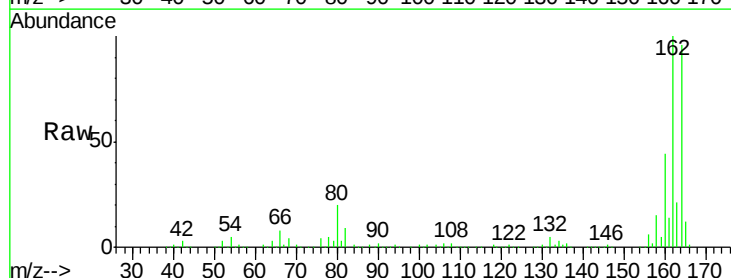
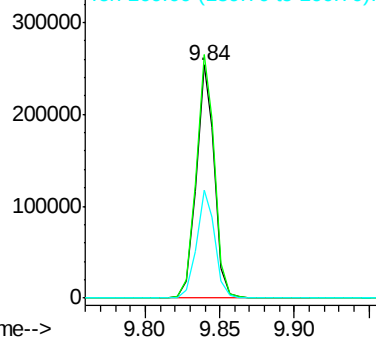
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.5	86.1	129.1	
160	46.5	38.3	57.5	

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





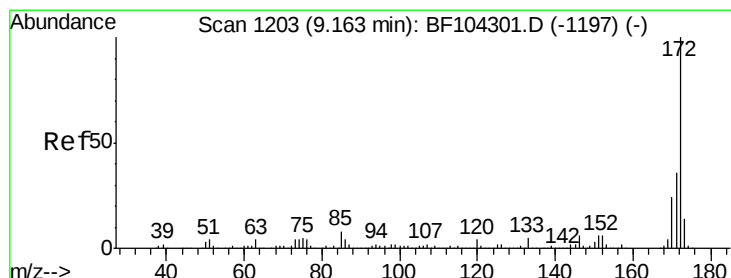
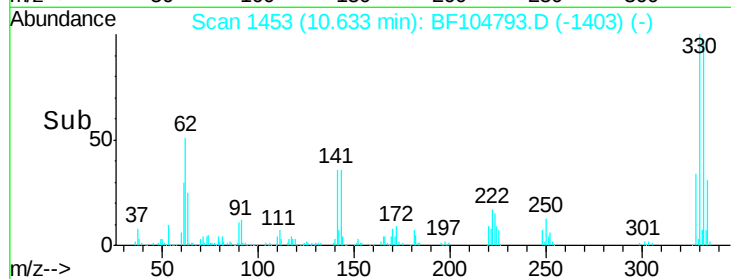
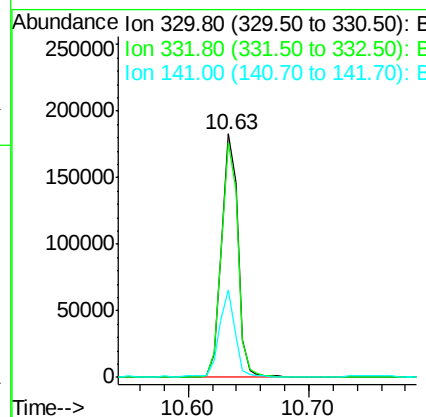
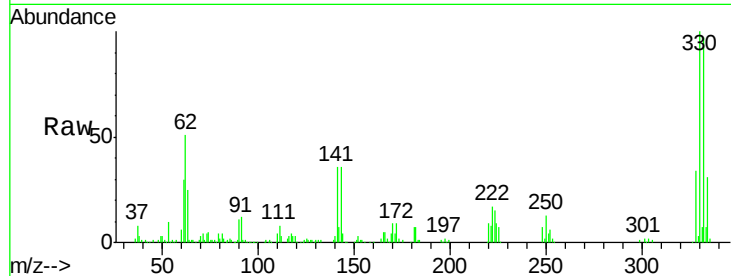
#41
 2,4,6-Tribromophenol
 Concen: 75.281 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104793.D
 Acq: 25 Apr 2018 17:13

Instrument :
 BNA_F
 ClientSampled :
 TP-8 0.0-0.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	169520		
332	97.5	77.0	115.6	
141	35.9	29.9	44.9	

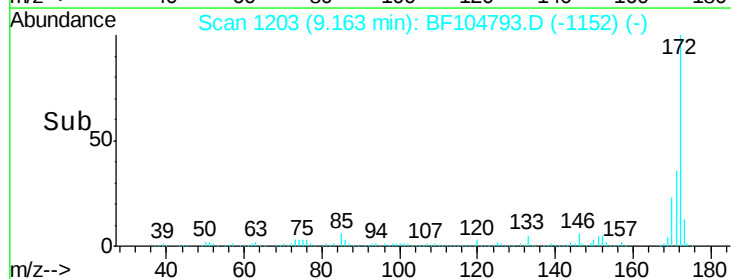
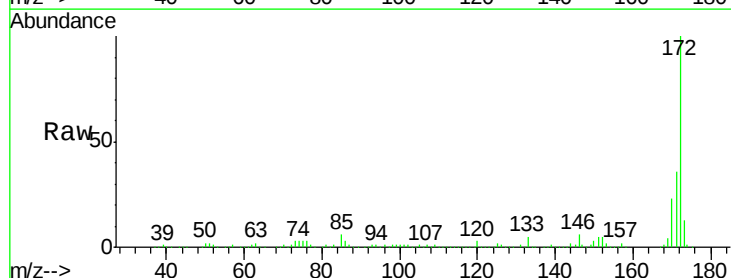
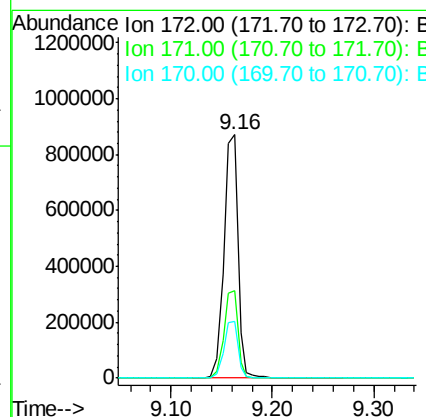
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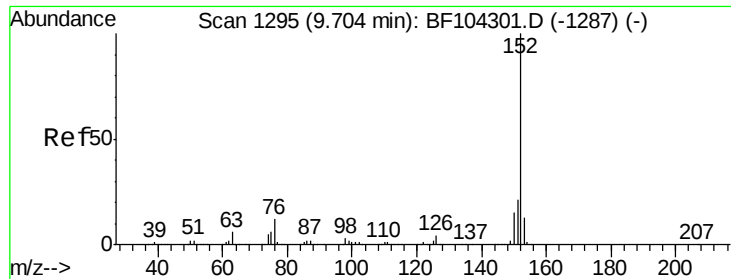
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#44
 2-Fluorobiphenyl
 Concen: 61.139 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104793.D
 Acq: 25 Apr 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	840144		
171	36.0	29.7	44.5	
170	23.5	19.6	29.4	





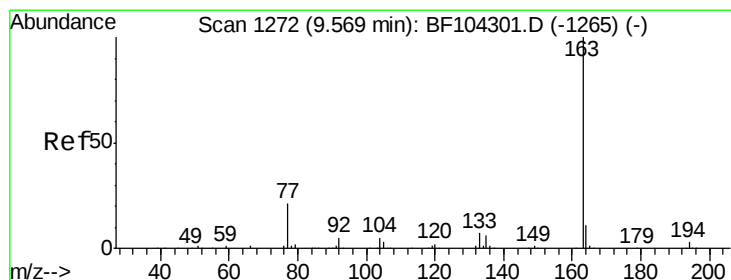
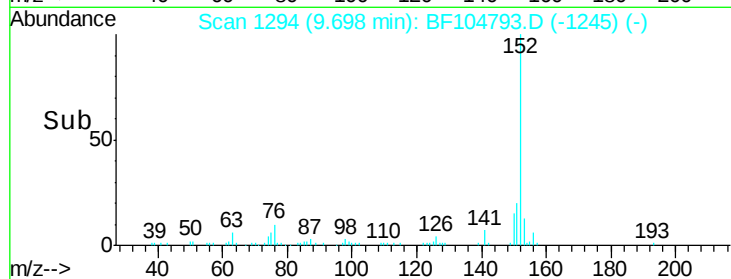
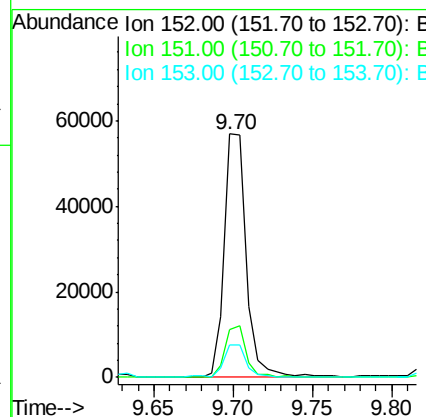
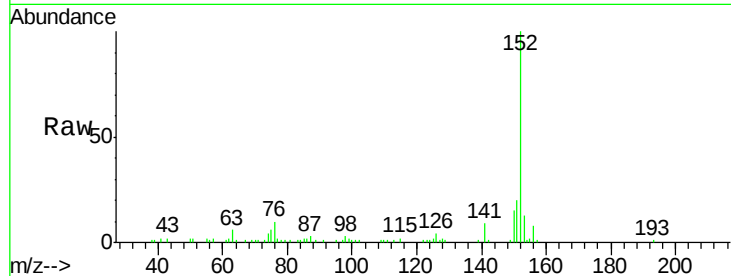
#48
Acenaphthylene
Concen: 2.433 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Instrument :
BNA_F
ClientSampleId :
TP-8 0.0-0.5

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	13.3	10.7	16.1

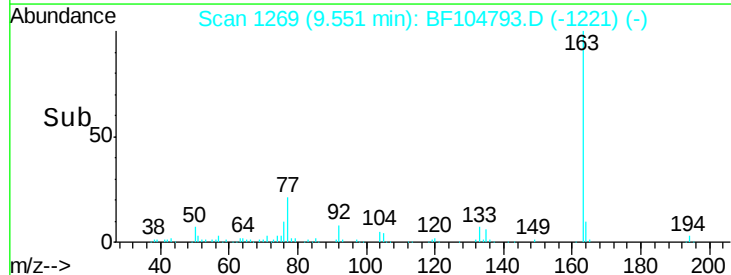
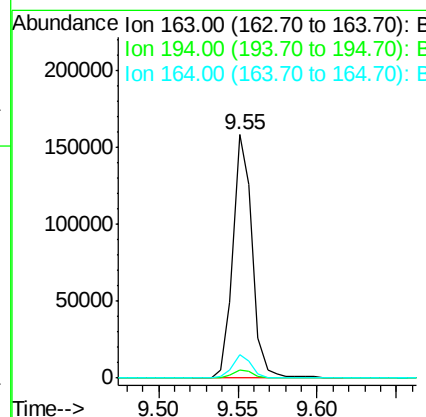
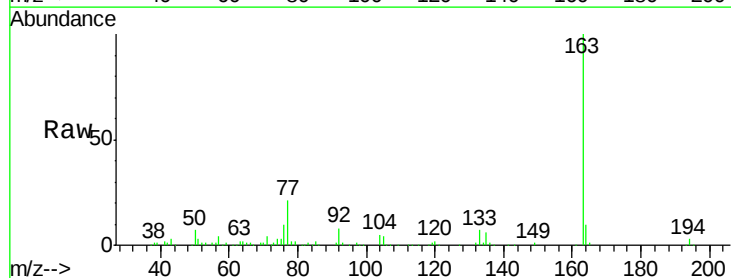
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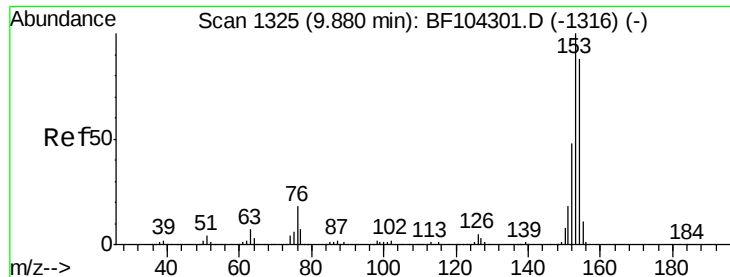
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#49
Dimethylphthalate
Concen: 7.783 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.9	8.2	12.2





#51

Acenaphthene

Concen: 2.462 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF104793.D

Acq: 25 Apr 2018 17:13

Instrument :

BNA_F

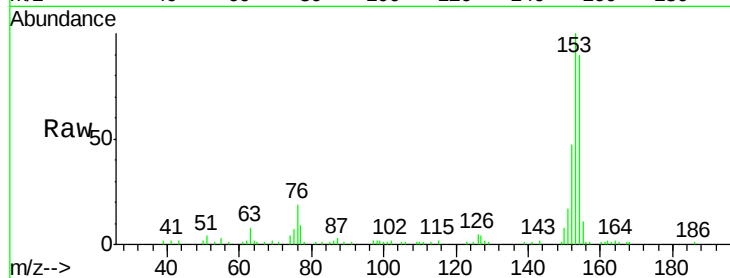
ClientSampleId :

TP-8 0.0-0.5

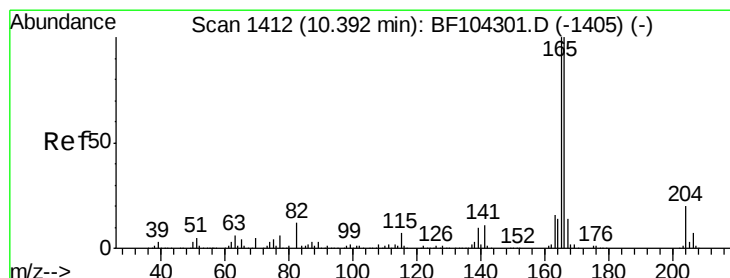
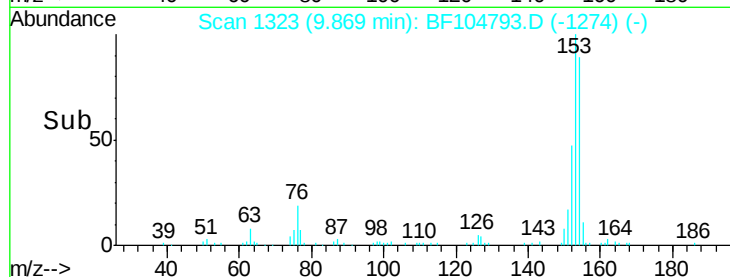
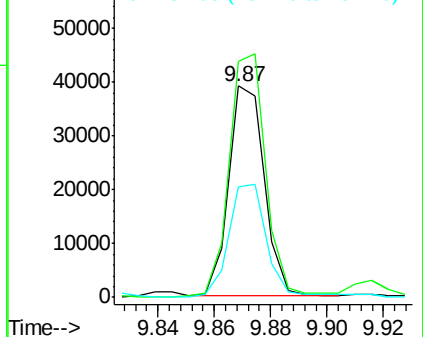
Tot Ion:	154	Resp:	33942
Ion Ratio	Lower	Upper	
154	100		
153	111.7	91.2	136.8
152	52.4	43.8	65.8

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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: 2.761 ng

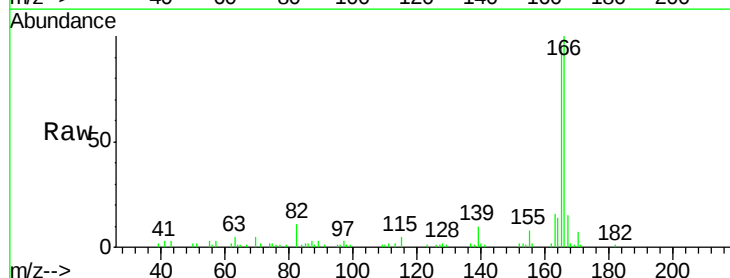
RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

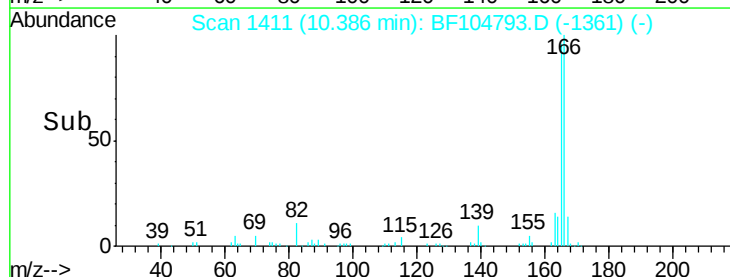
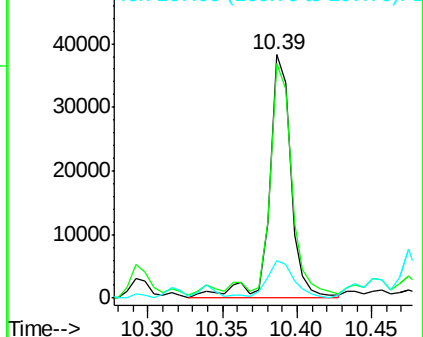
Lab File: BF104793.D

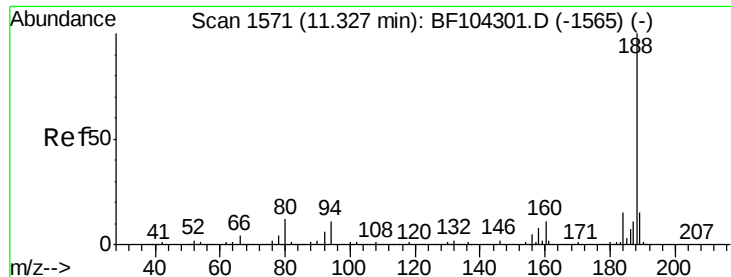
Acq: 25 Apr 2018 17:13

Tgt Ion:	166	Resp:	38614
Ion Ratio	Lower	Upper	
166	100		
165	96.2	79.8	119.8
167	15.2	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





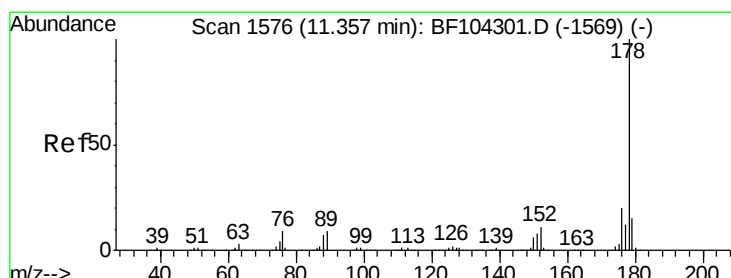
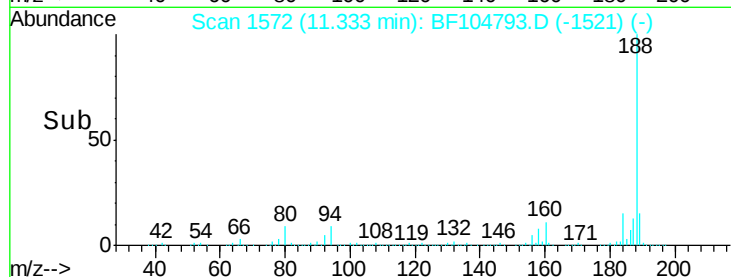
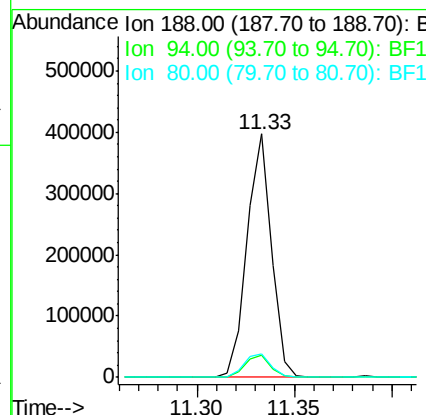
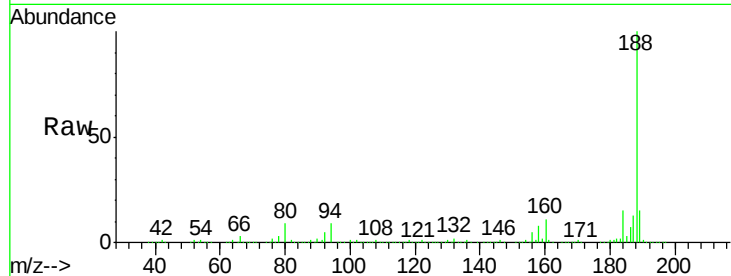
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Instrument :
BNA_F
ClientSampleId :
TP-8 0.0-0.5

Tot Ion:	188	Resp:	344260
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	9.4	9.2	13.8

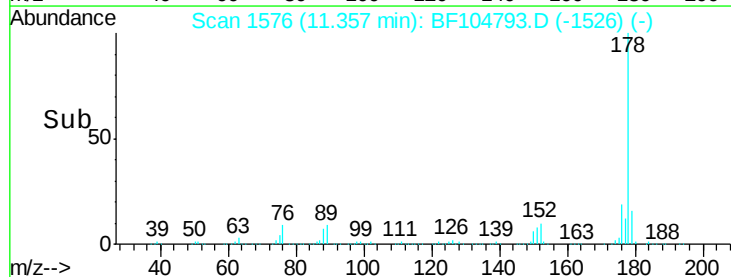
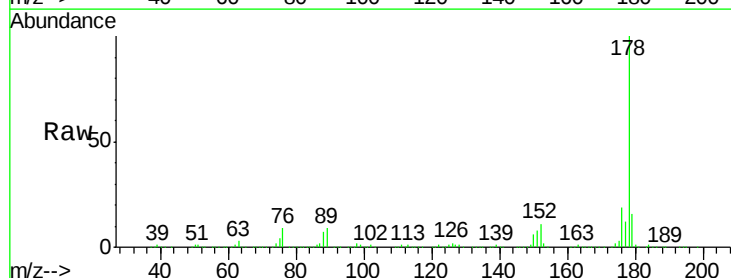
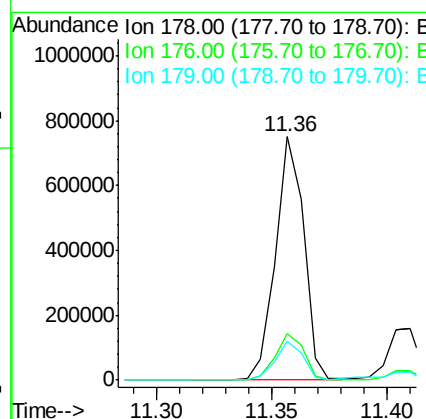
Manual Integrations
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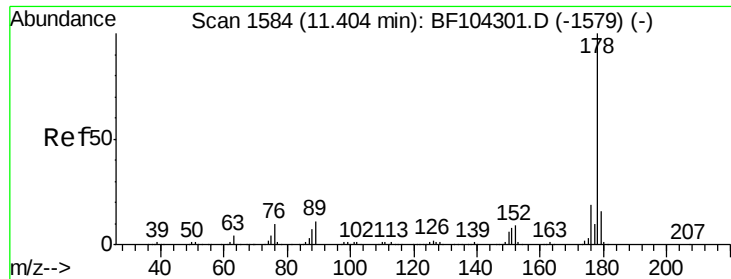
Sohil
4/26/2018 6:09:42 PM



#70
Phenanthrene
Concen: 33.270 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Tgt Ion:	178	Resp:	637835
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.8	13.0	19.6





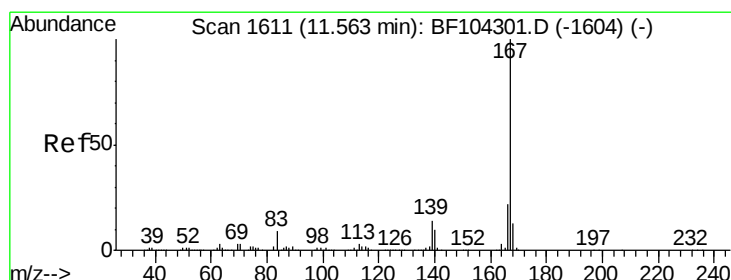
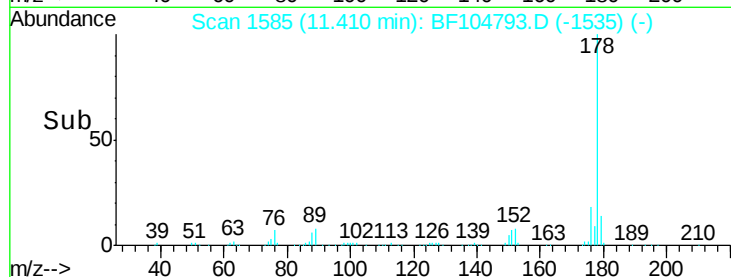
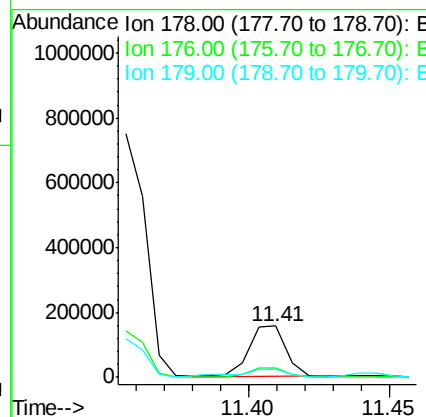
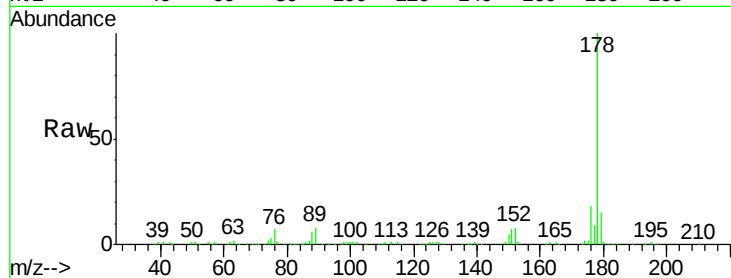
#71
 Anthracene
 Concen: 7.275 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104793.D
 Acq: 25 Apr 2018 17:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-8 0.0-0.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.7	12.6	19.0

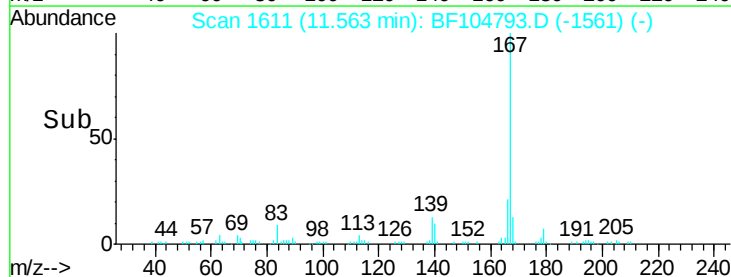
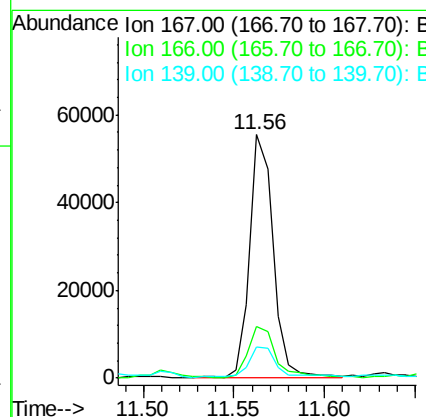
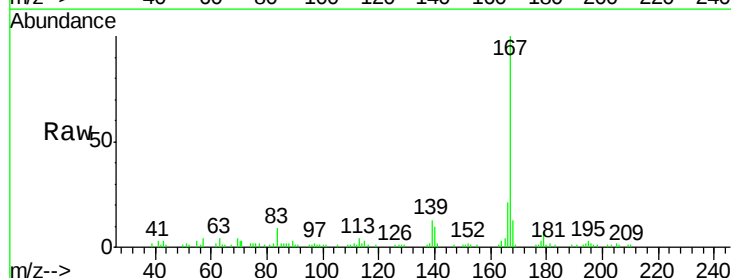
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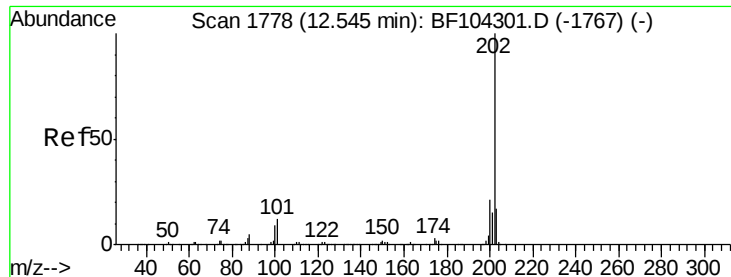
Sohil
 4/26/2018 6:09:42 PM



#72
 Carbazole
 Concen: 2.660 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF104793.D
 Acq: 25 Apr 2018 17:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	12.9	10.9	16.3





#74

Fluoranthene

Concen: 43.042 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104793.D

Acq: 25 Apr 2018 17:13

Instrument :

BNA_F

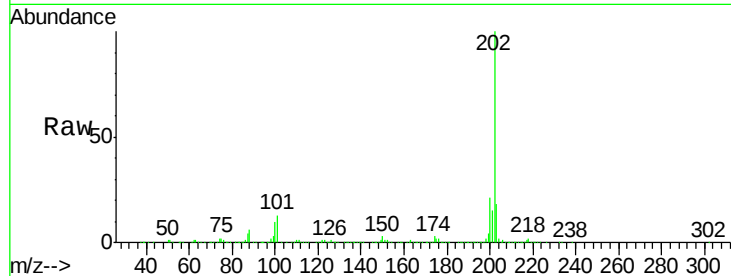
ClientSampleId :

TP-8 0.0-0.5

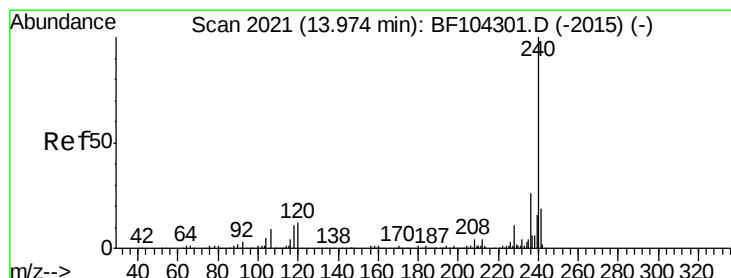
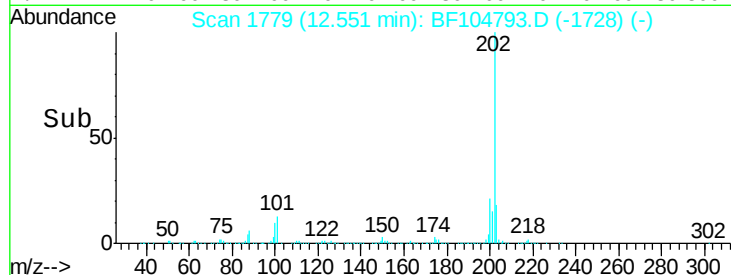
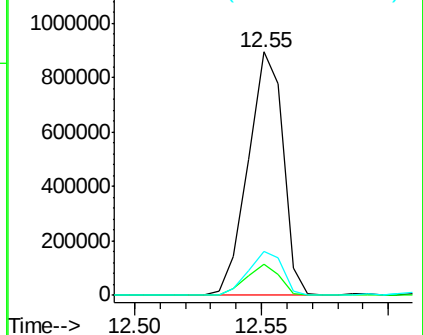
Tot Ion:	202	Resp:	862162
Ion Ratio		Lower	Upper
202	100		
101	12.8	0.0	34.1
203	18.1	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

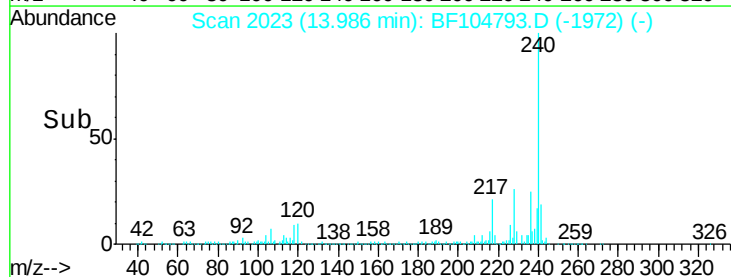
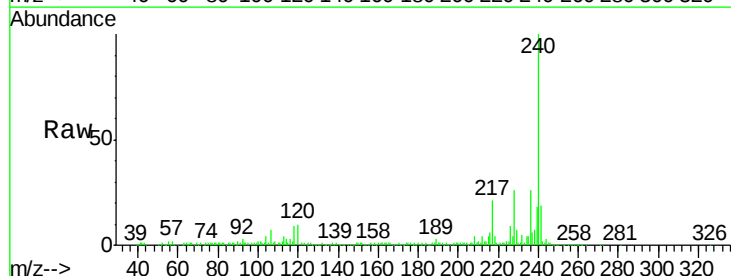
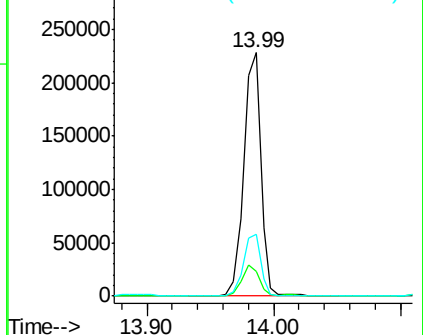
Delta R.T. -0.00 min

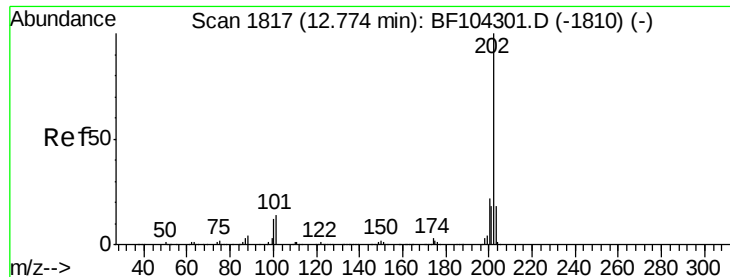
Lab File: BF104793.D

Acq: 25 Apr 2018 17:13

Tgt Ion:	240	Resp:	214333
Ion Ratio		Lower	Upper
240	100		
120	10.2	9.5	14.3
236	25.6	20.7	31.1

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

Pvrene

Concen: 48.528 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104793.D

Acq: 25 Apr 2018 17:13

Instrument :

BNA_F

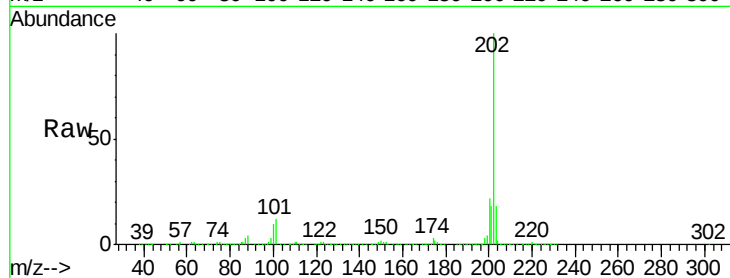
ClientSampleId :

TP-8 0.0-0.5

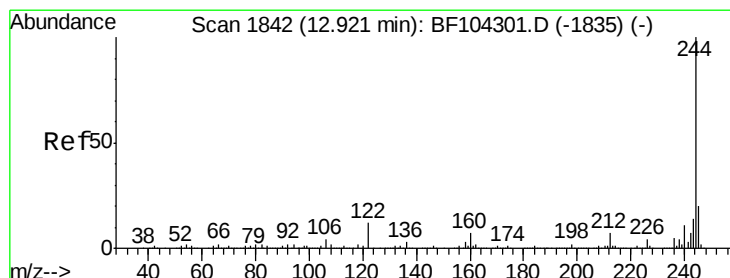
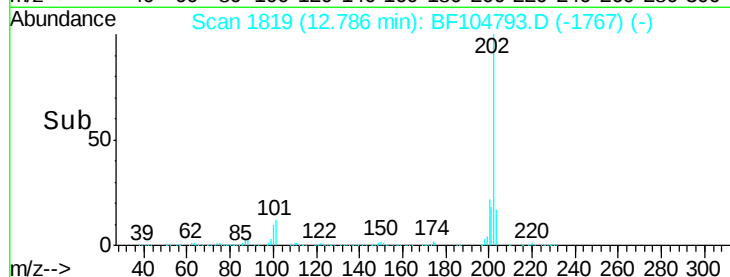
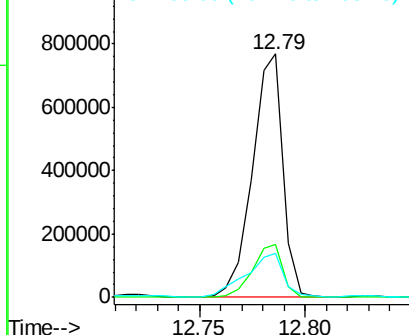
Tot Ion:	202	Resp:	770971
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	17.9	14.3	21.5

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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: 59.783 ng

RT: 12.92 min Scan# 1842

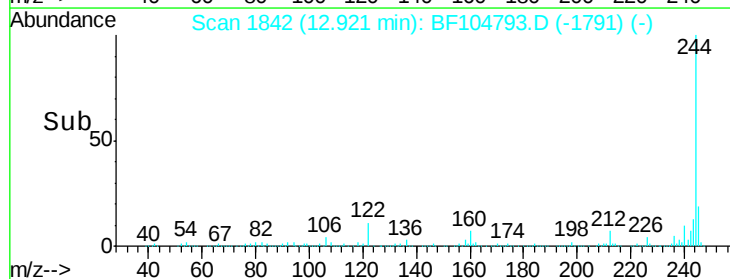
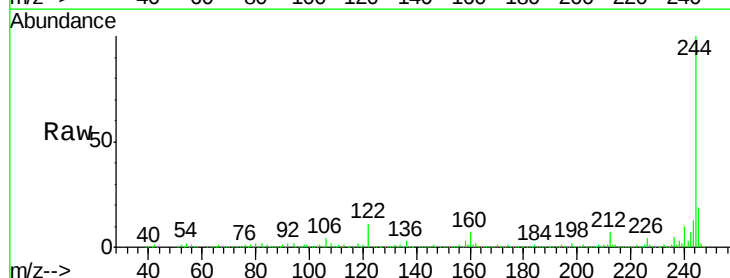
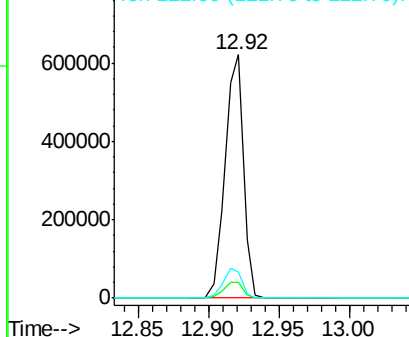
Delta R.T. -0.00 min

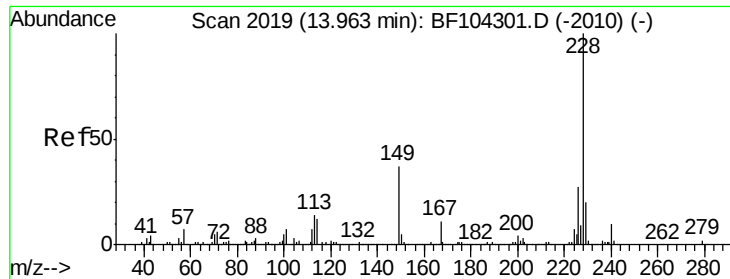
Lab File: BF104793.D

Acq: 25 Apr 2018 17:13

Tgt Ion:	244	Resp:	562041
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	10.9	11.0	16.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





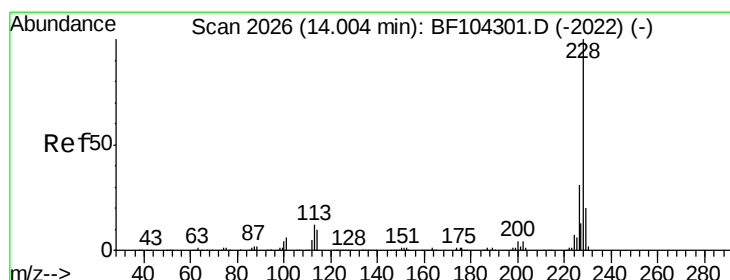
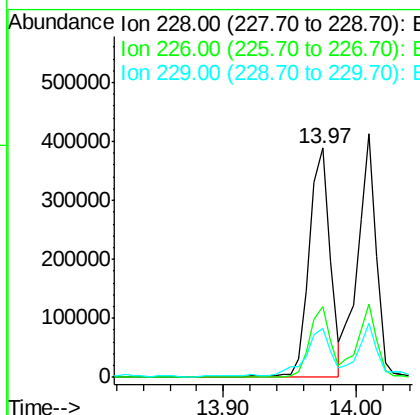
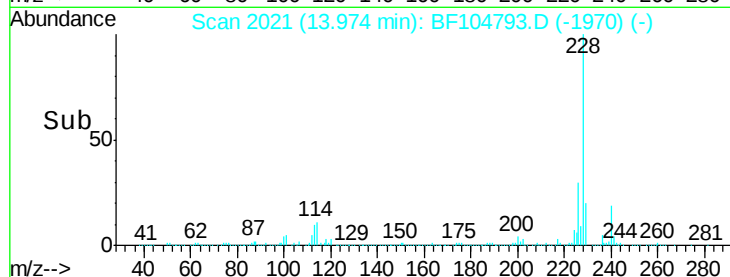
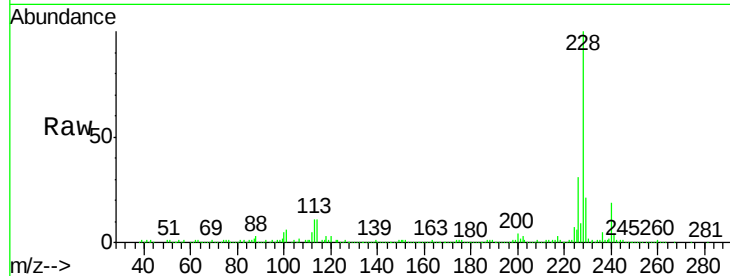
#80
Benzo(a)anthracene
Concen: 32.279 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Instrument :
BNA_F
ClientSampleId :
TP-8 0.0-0.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	21.3	15.8	23.6

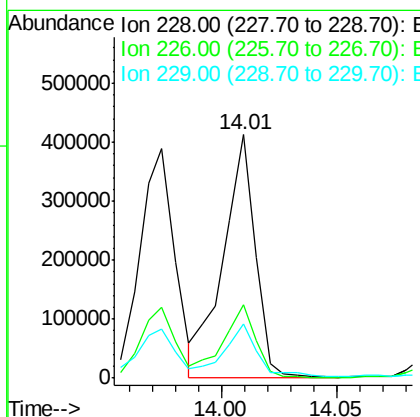
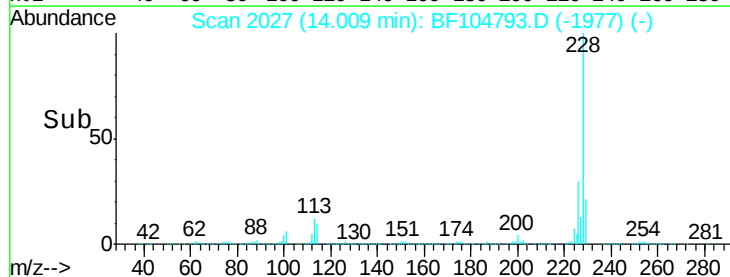
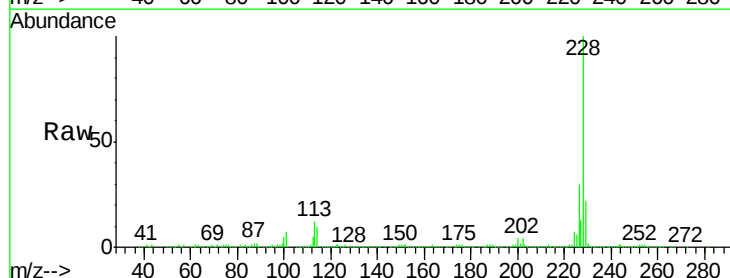
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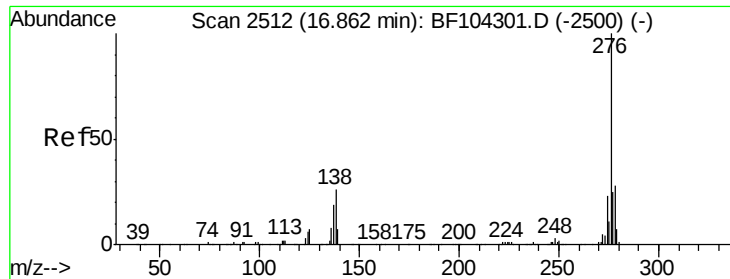
Sohil
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#82
Chrysene
Concen: 30.349 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.1	16.2	24.4





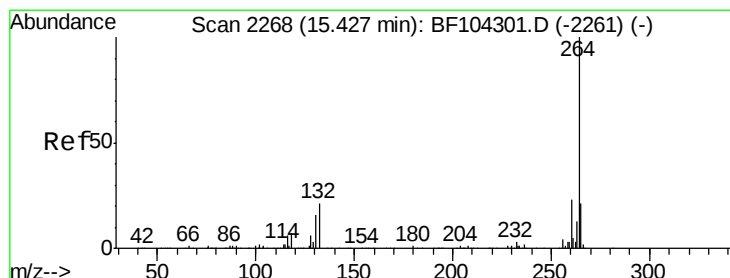
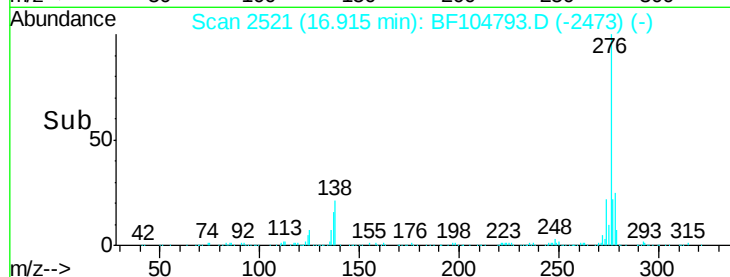
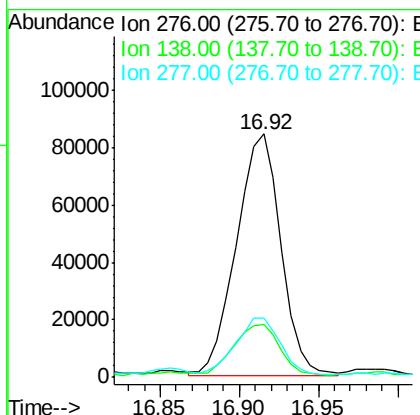
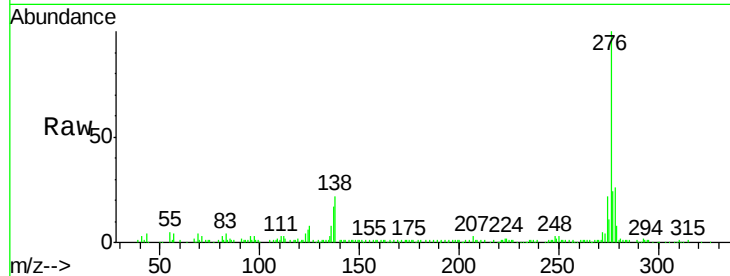
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.660 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Instrument :
BNA_F
ClientSampleId :
TP-8 0.0-0.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	23.8	20.1	30.1

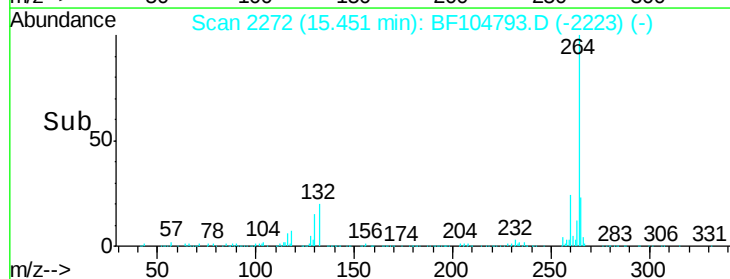
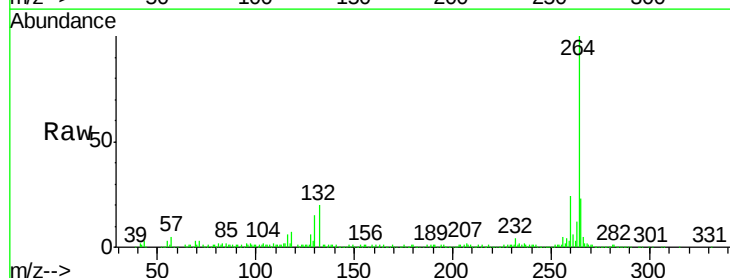
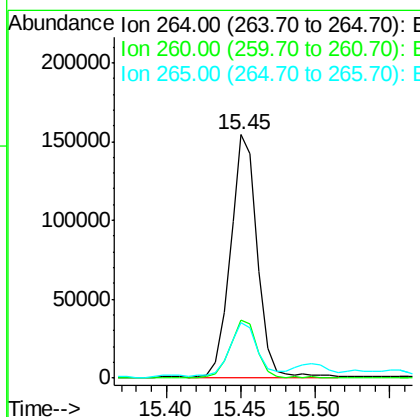
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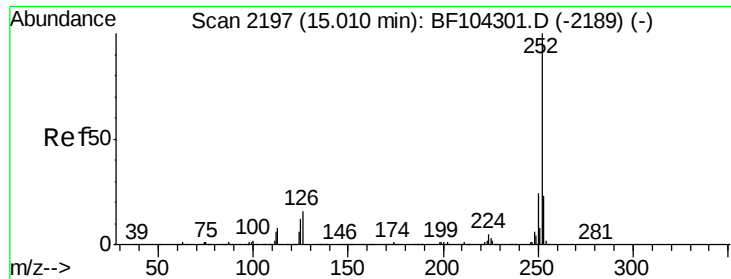
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.9	17.5	26.3





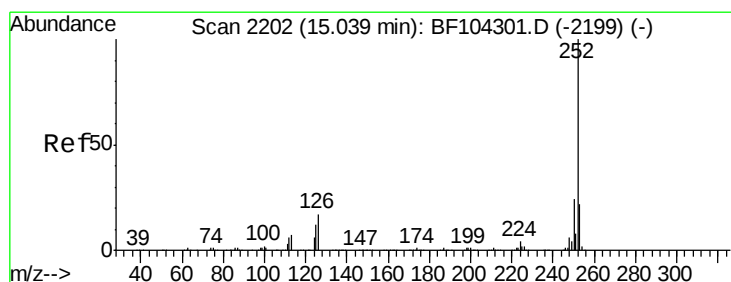
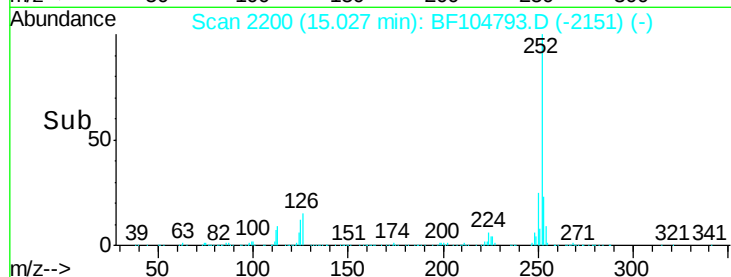
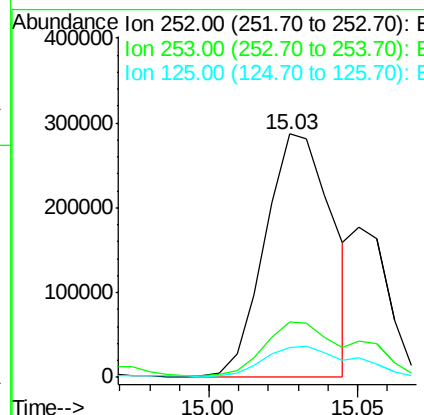
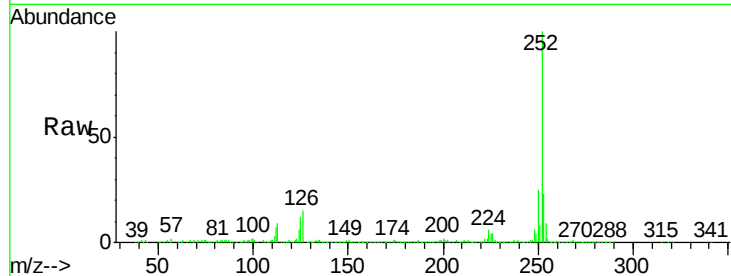
#87
Benzo(b)fluoranthene
Concen: 36.963 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Instrument :
BNA_F
ClientSampleId :
TP-8 0.0-0.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.4	9.0	13.6

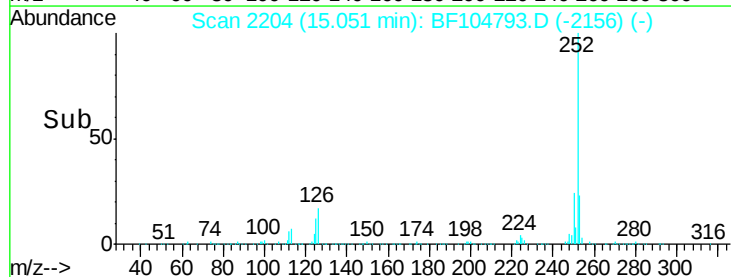
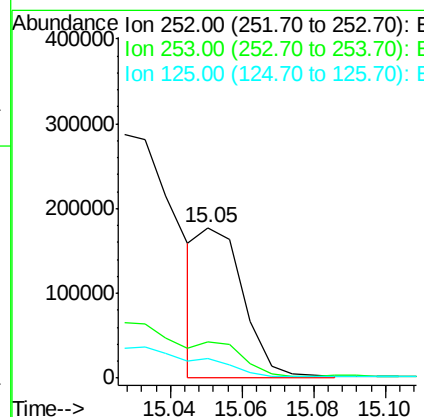
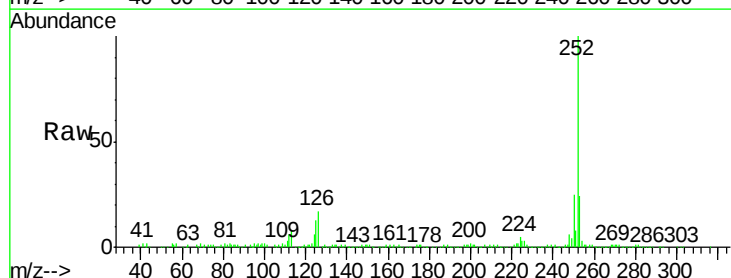
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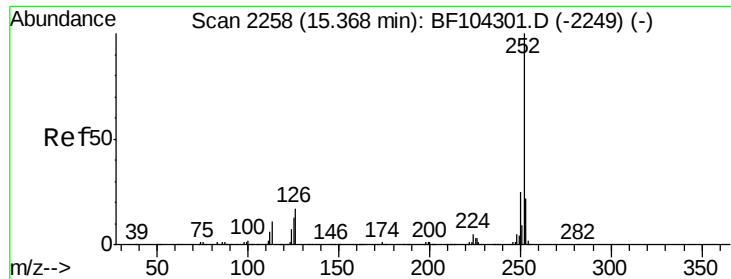
Sohil
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#88
Benzo(k)fluoranthene
Concen: 13.215 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	12.6	10.2	15.2





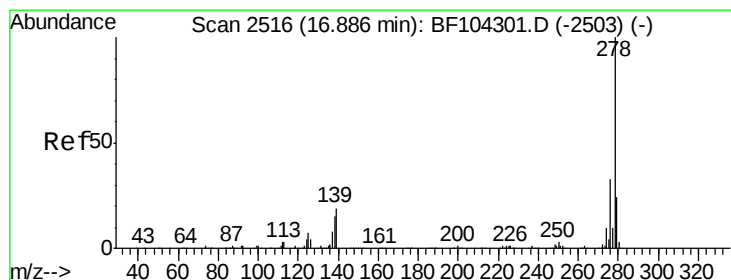
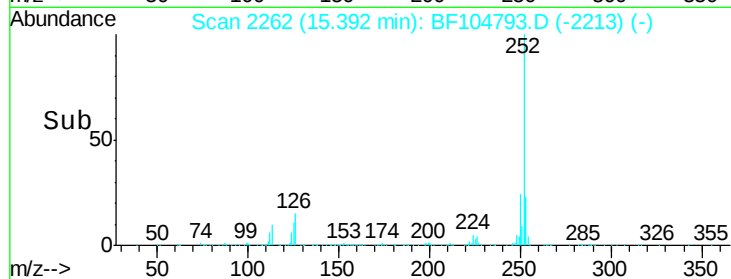
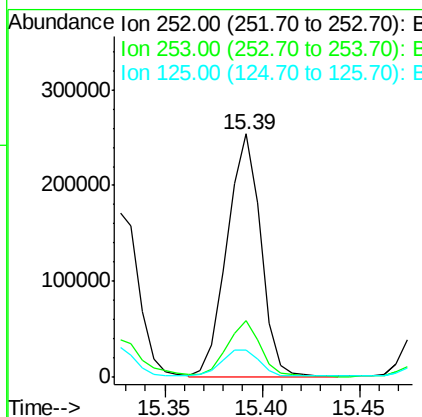
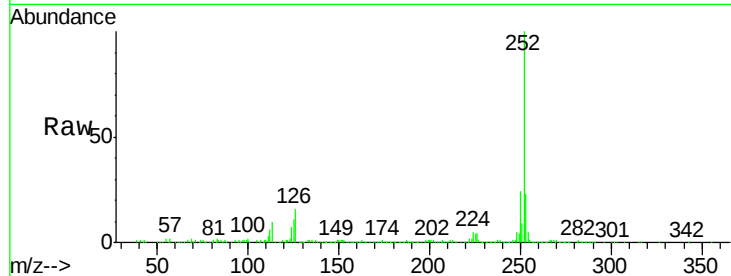
#89
Benzo(a)pyrene
Concen: 27.680 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Instrument :
BNA_F
ClientSampleId :
TP-8 0.0-0.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.4	9.8	14.6

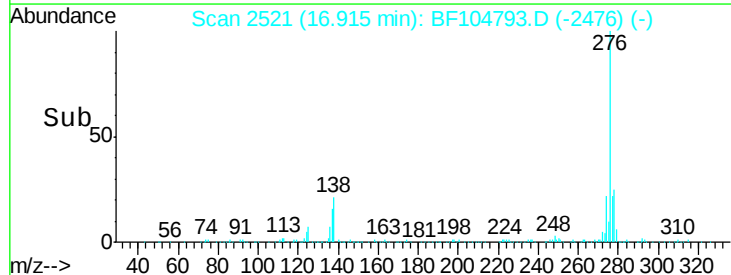
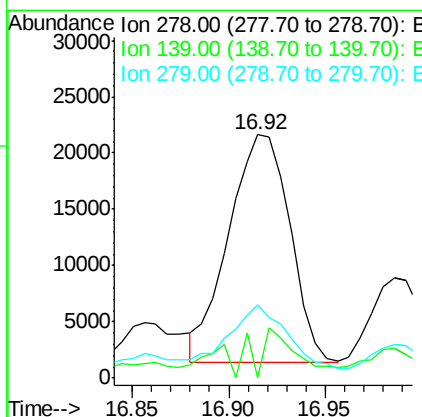
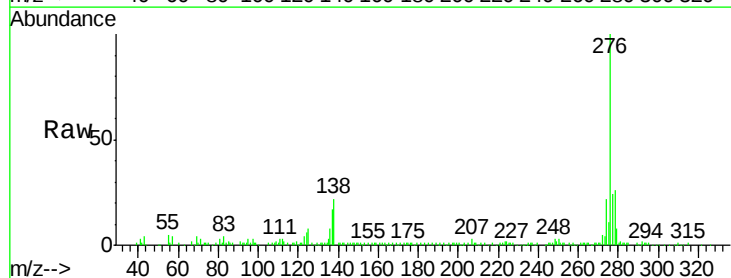
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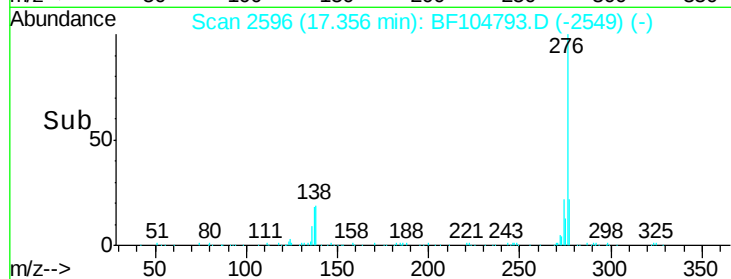
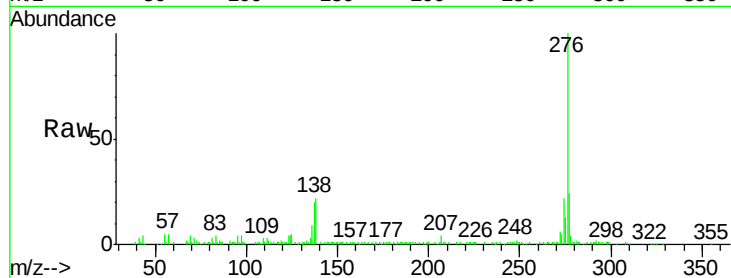
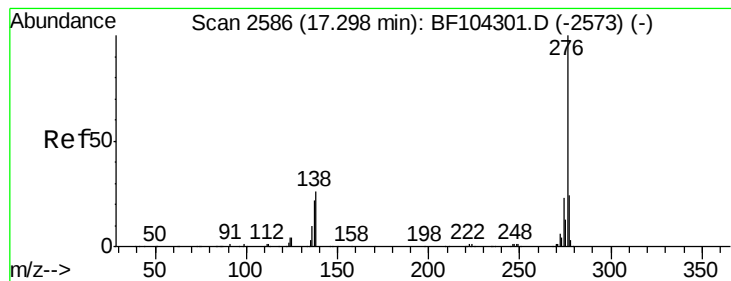
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.955 ng m
RT: 16.92 min Scan# 2521
Delta R.T. -0.04 min
Lab File: BF104793.D
Acq: 25 Apr 2018 17:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	30.0	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 16.500 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.02 min

Lab File: BF104793.D

Acq: 25 Apr 2018 17:13

Instrument :

BNA_F

ClientSampleId :

TP-8 0.0-0.5

Tot Ion:	276	Resp:	143510
Ion Ratio		Lower	Upper
276	100		
277	23.9	17.9	26.9
138	22.1	21.8	32.8

Manual Integrations
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