

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104770.D
 Acq On : 24 Apr 2018 21:28
 Operator : JU/SJ
 Sample : J2508-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
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Quant Time: Apr 24 23:27:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	95752	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	385371	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	164774	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	269739	20.00	ng	0.00
75) Chrysene-d12	13.99	240	184877	20.00	ng	0.00
86) Perylene-d12	15.47	264	136571	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	538158	85.94	ng	0.01
7) Phenol-d6	6.45	99	664834	86.41	ng	0.00
23) Nitrobenzene-d5	7.37	82	399492	67.69	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	147876	86.52	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	729073	69.90	ng	0.00
78) Terphenyl-d14	12.93	244	594908	73.36	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	68798	5.295	ng	99
51) Acenaphthene	9.88	154	55977	5.348	ng	99
54) Dibenzofuran	10.06	168	59375	4.071	ng	96
57) Fluorene	10.40	166	56750	5.345	ng	99
70) Phenanthrene	11.37	178	923423	61.473	ng	99
71) Anthracene	11.42	178	233030	15.261	ng	99
72) Carbazole	11.57	167	83362	5.587	ng	100
74) Fluoranthene	12.56	202	1065594	67.895	ng	99
77) Pyrene	12.79	202	908285	66.280	ng	99
80) Benzo(a)anthracene	13.98	228	415148	37.588	ng	99
82) Chrysene	14.02	228	355756	31.359	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	129686	13.457	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	353441m	40.976	ng	
88) Benzo(k)fluoranthene	15.06	252	104039m	12.776	ng	
89) Benzo(a)pyrene	15.40	252	219631	28.458	ng	96
90) Dibenzo(a,h)anthracene	16.94	278	37549m	5.924	ng	
91) Benzo(g,h,i)perylene	17.38	276	120862	19.681	ng	93

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

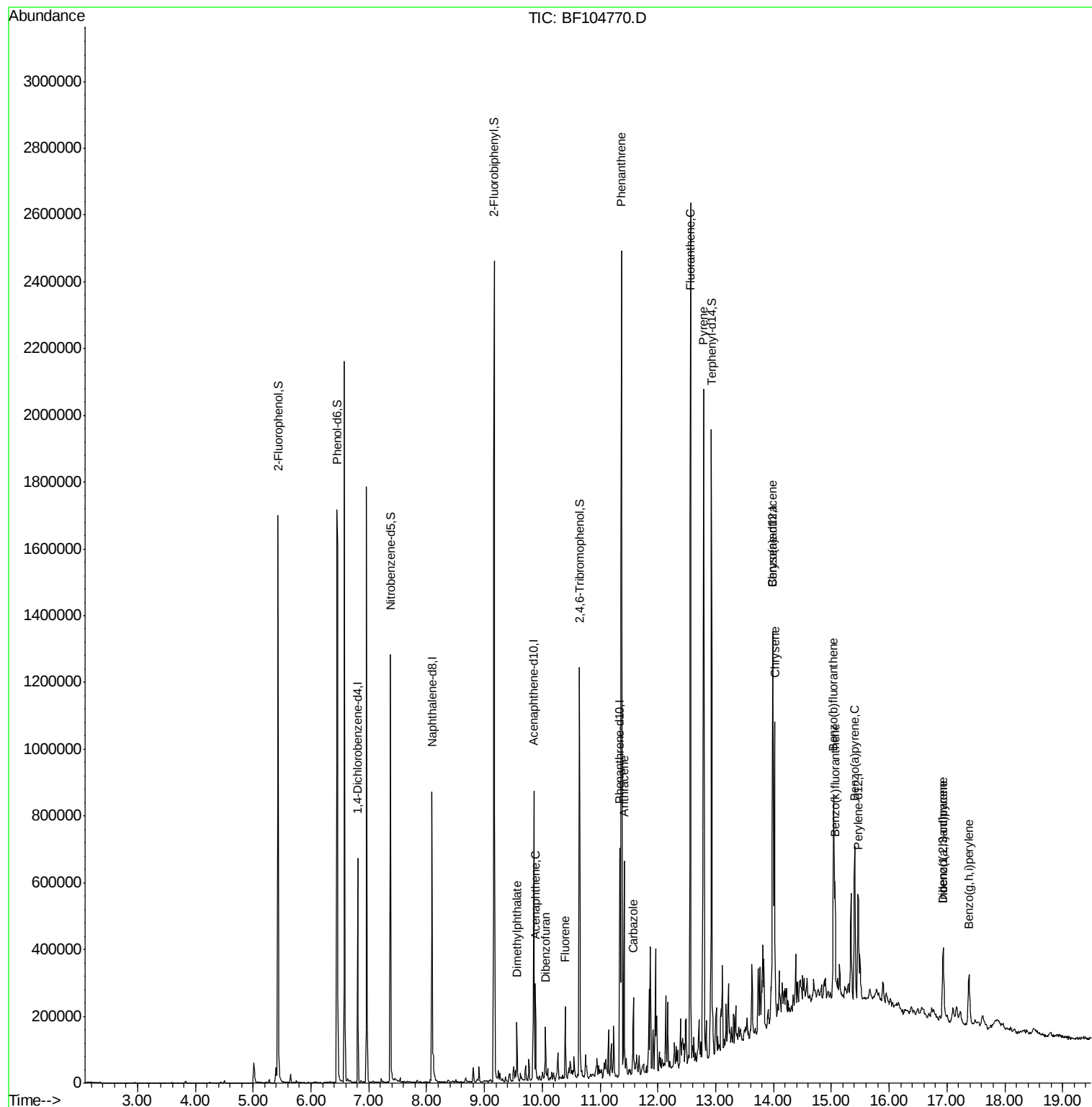
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
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ALS Vial : 21 Sample Multiplier: 1

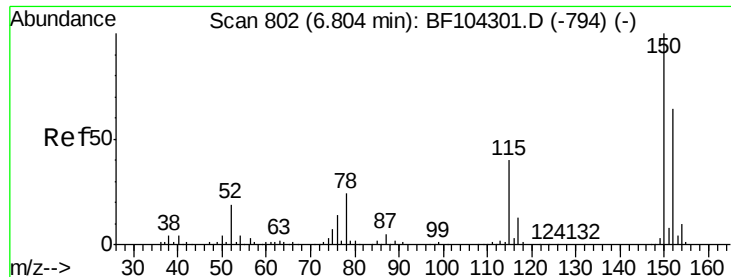
Instrument :
BNA_F
ClientSampled :
TP-5

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Quant Time: Apr 24 23:27:47 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

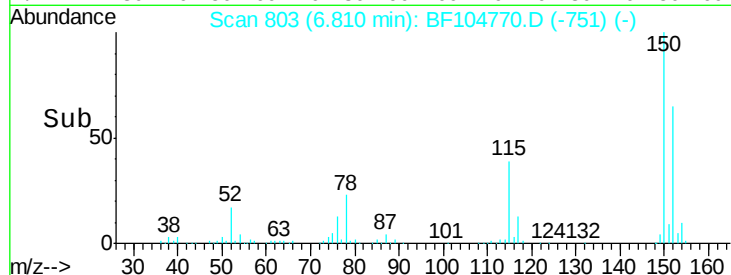
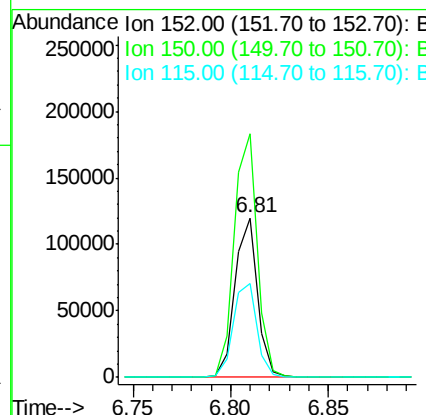
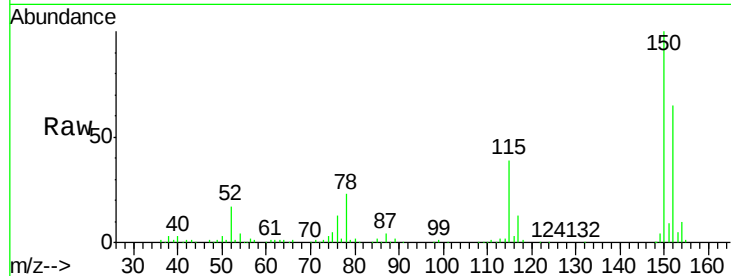
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.6	186.8
115	58.9	50.1	75.1

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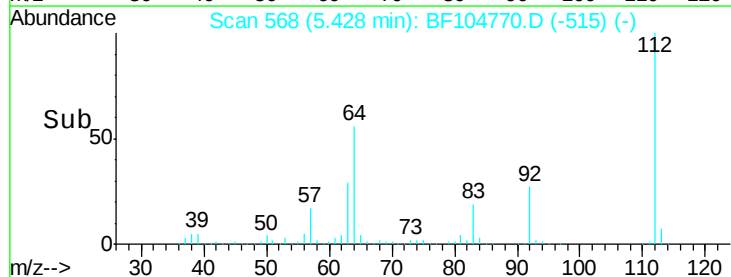
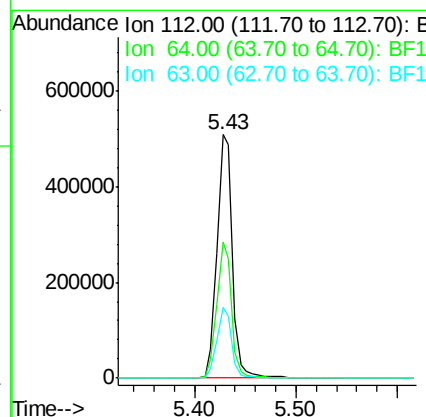
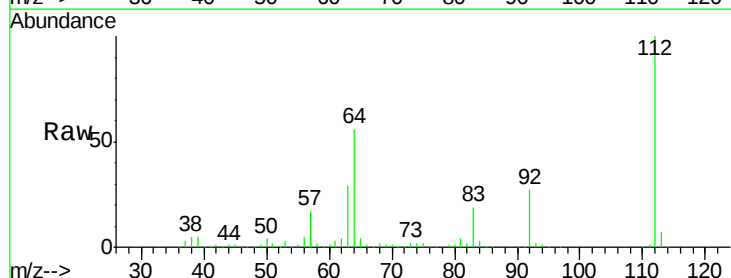
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#5

2-Fluorophenol
Concen: 85.938 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 86.408 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104770.D

Acq: 24 Apr 2018 21:28

Instrument :

BNA_F

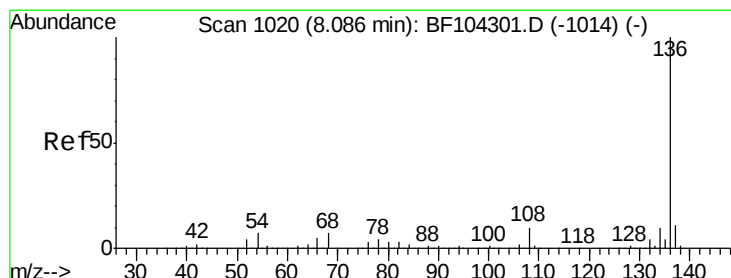
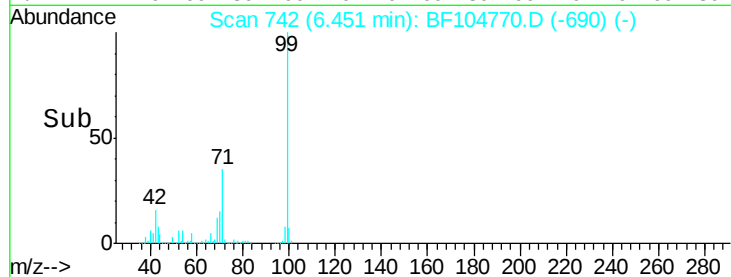
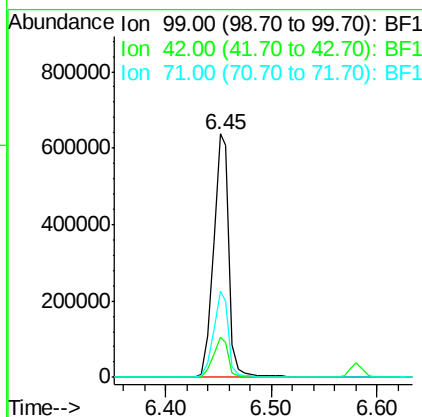
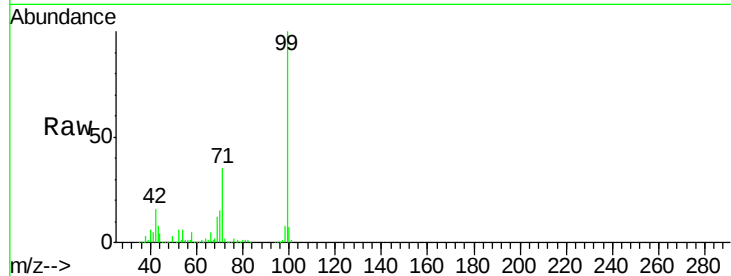
ClientSampleId :

TP-5

Tot Ion:	99	Resp:	664834
Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.5	21.7
71	35.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

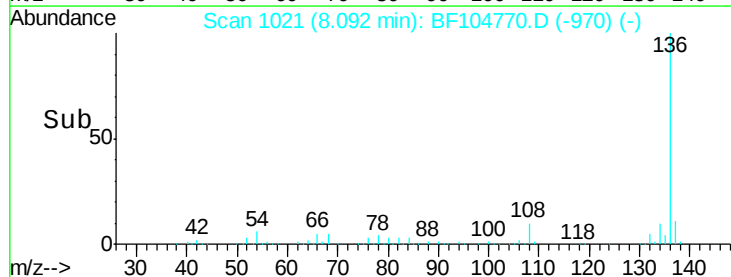
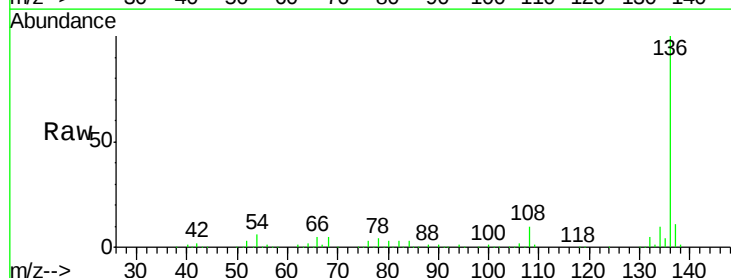
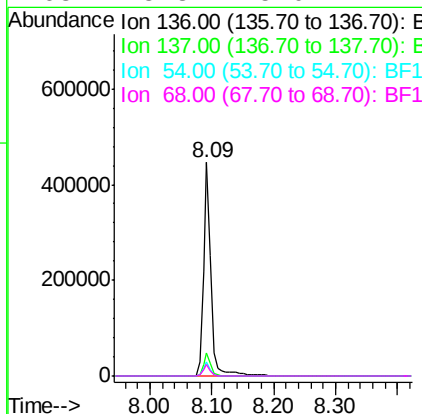
RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104770.D

Acq: 24 Apr 2018 21:28

Tgt Ion:	136	Resp:	385371
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.4	6.6	9.8#
68	5.3	5.0	7.4





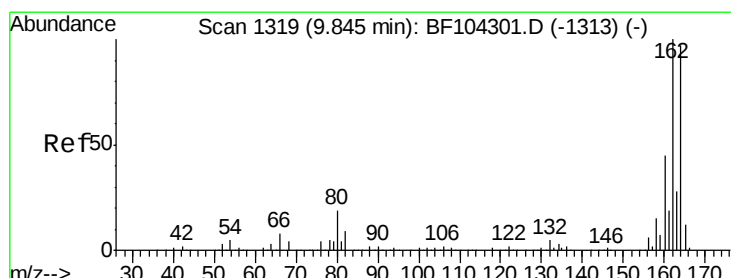
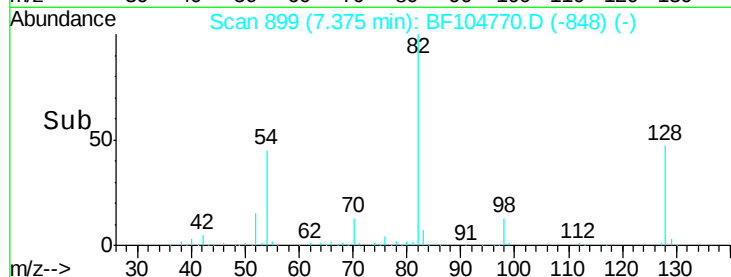
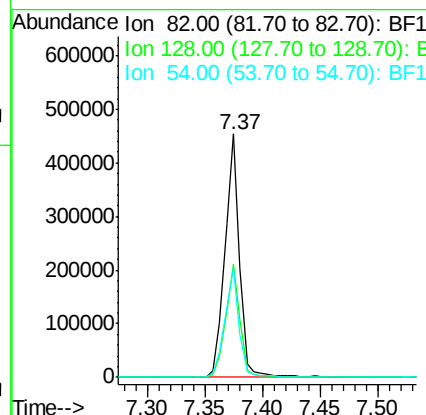
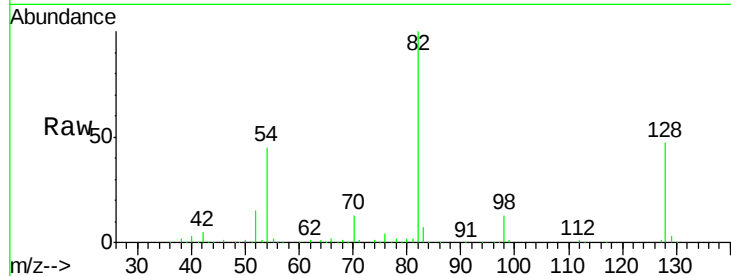
#23
 Nitrobenzene-d5
 Concen: 67.691 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104770.D
 Acq: 24 Apr 2018 21:28

Instrument :
 BNA_F
 ClientSampled :
 TP-5

Tot Ion	Ratio	Resp	Lower	Upper
82	100	399492		
128	46.7	36.1	54.1	
54	44.6	41.4	62.2	

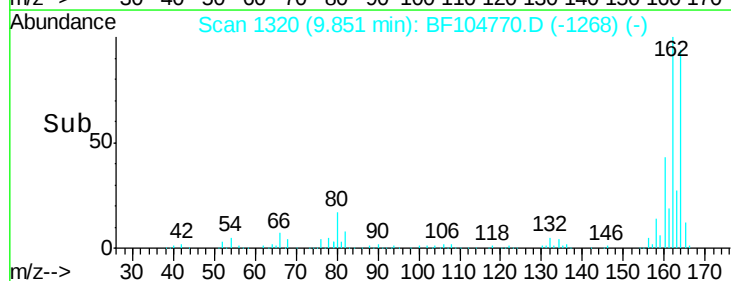
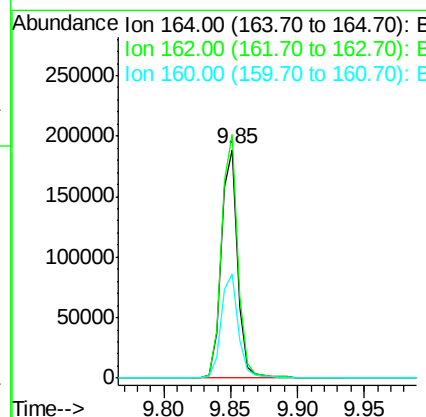
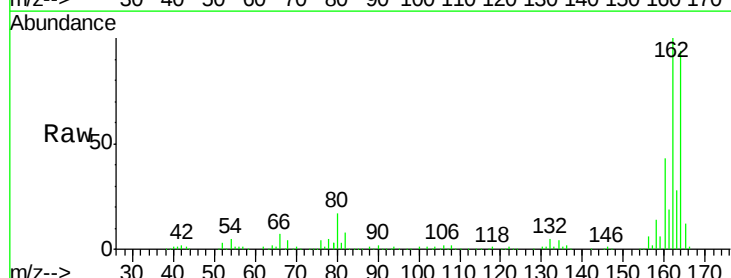
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF104770.D
 Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	164774		
162	106.6	86.1	129.1	
160	45.7	38.3	57.5	





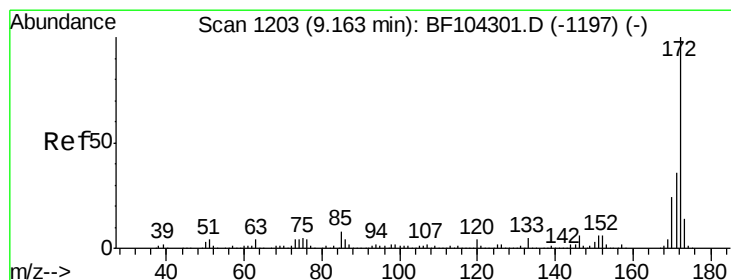
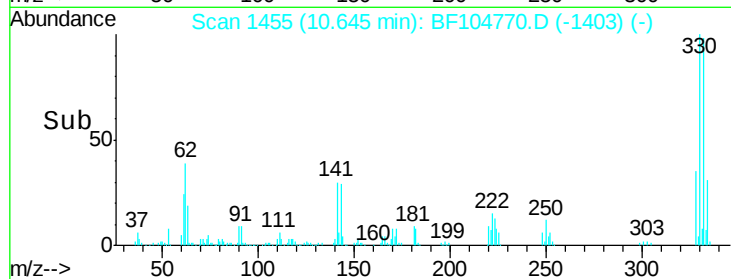
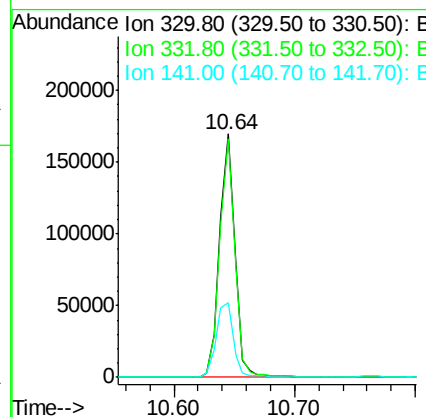
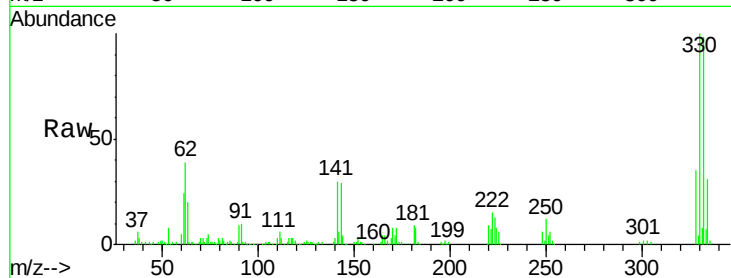
#41
 2,4,6-Tribromophenol
 Concen: 86.515 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104770.D
 Acq: 24 Apr 2018 21:28

Instrument :
 BNA_F
 ClientSampled :
 TP-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.0	115.6	
141	35.5	29.9	44.9	

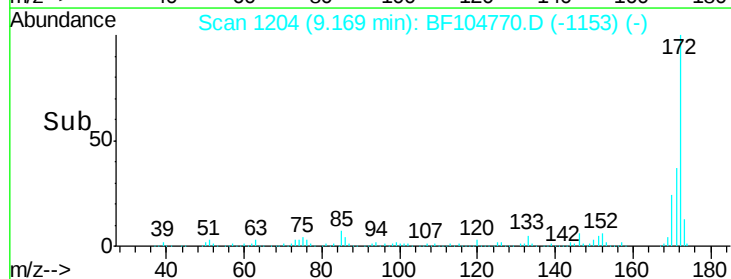
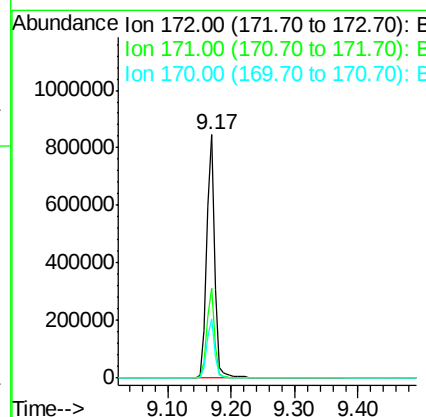
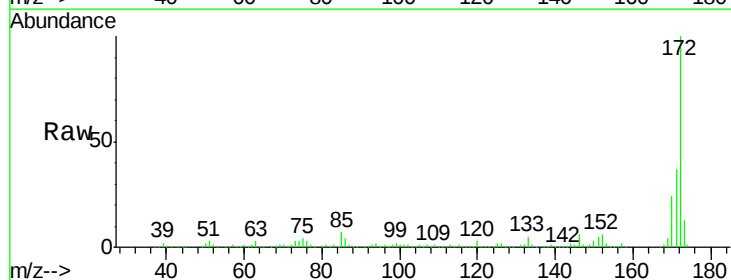
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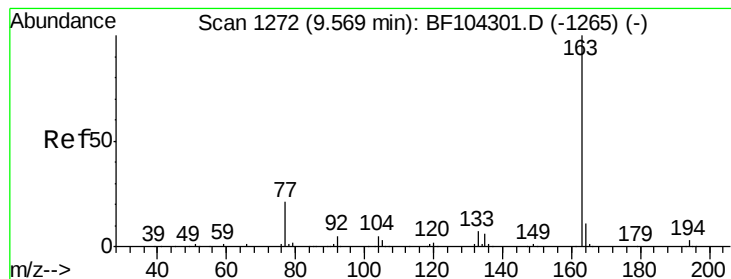
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#44
 2-Fluorobiphenyl
 Concen: 69.899 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104770.D
 Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.9	29.7	44.5	
170	24.4	19.6	29.4	





#49

Dimethylphthalate

Concen: 5.295 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104770.D

Acq: 24 Apr 2018 21:28

Instrument :

BNA_F

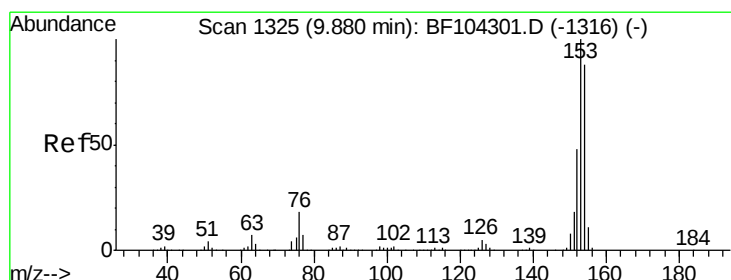
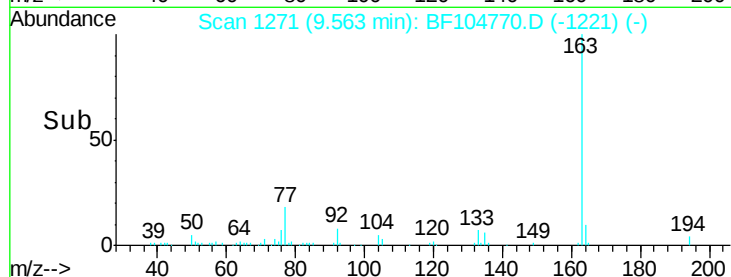
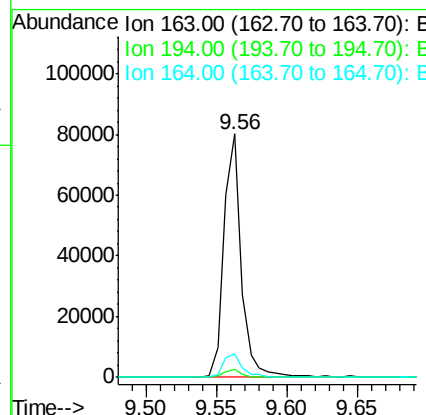
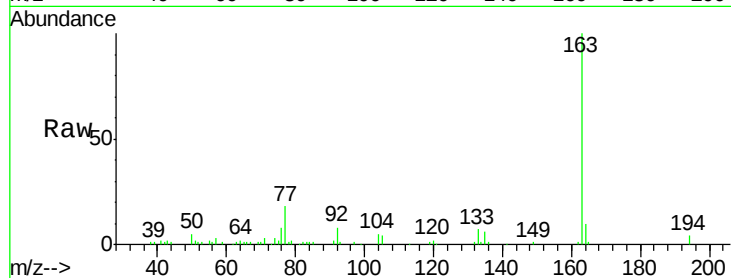
ClientSampled :

TP-5

Tot Ion:	163	Resp:	68798
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	9.7	8.2	12.2

Manual Integrations
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#51

Acenaphthene

Concen: 5.348 ng

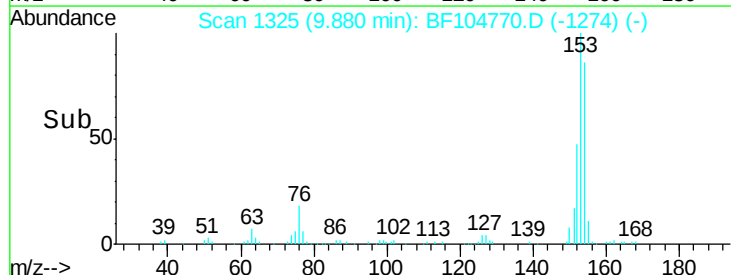
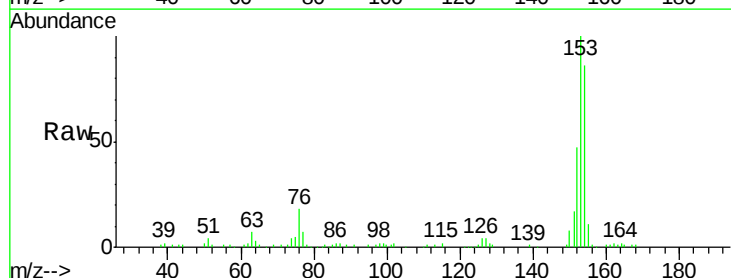
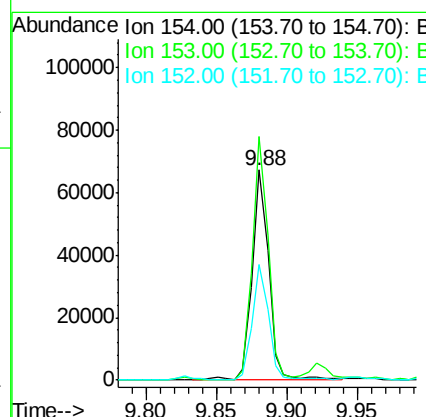
RT: 9.88 min Scan# 1325

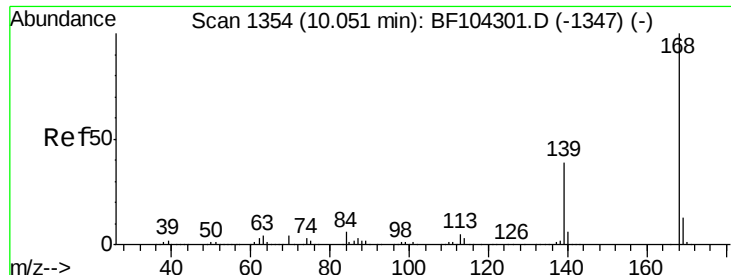
Delta R.T. -0.00 min

Lab File: BF104770.D

Acq: 24 Apr 2018 21:28

Tgt Ion:	154	Resp:	55977
Ion Ratio	Lower	Upper	
154	100		
153	115.8	91.2	136.8
152	55.0	43.8	65.8





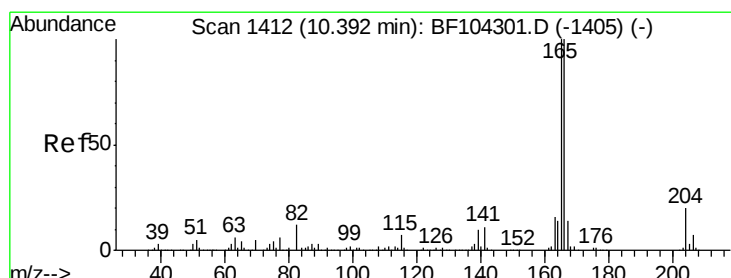
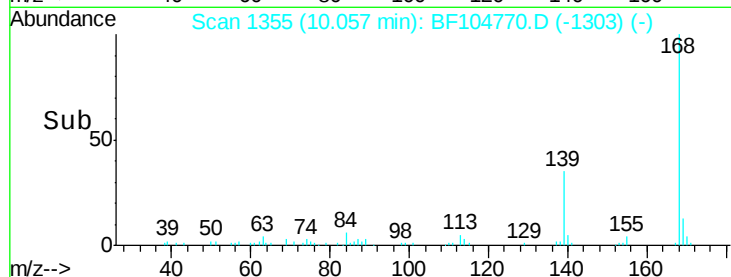
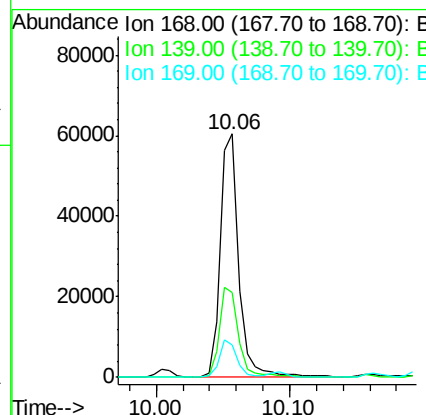
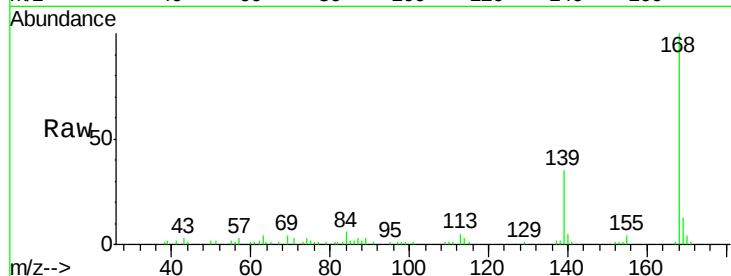
#54
Dibenzenofuran
Concen: 4.071 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.7	30.1	45.1
169	13.3	10.9	16.3

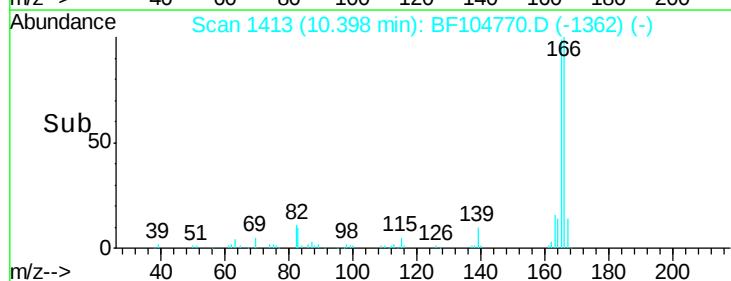
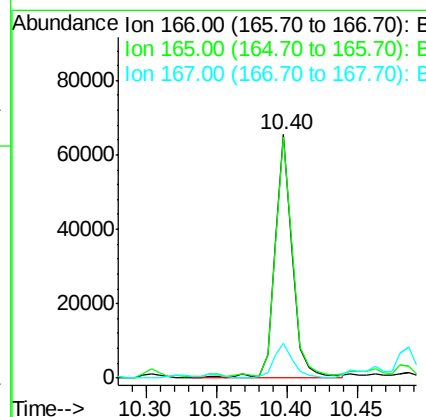
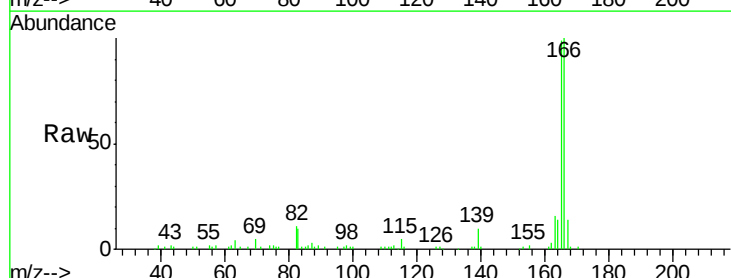
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#57
Fluorene
Concen: 5.345 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.8	119.8
167	14.2	10.6	16.0





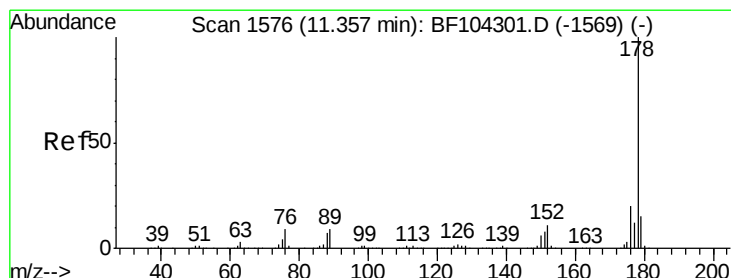
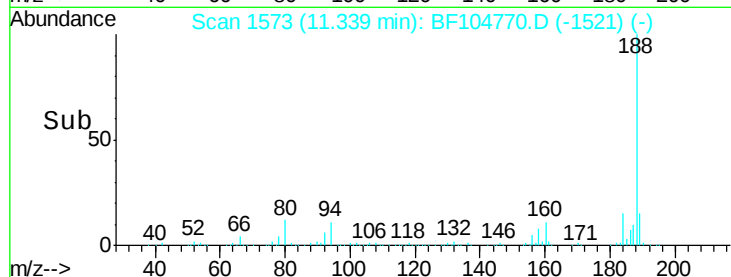
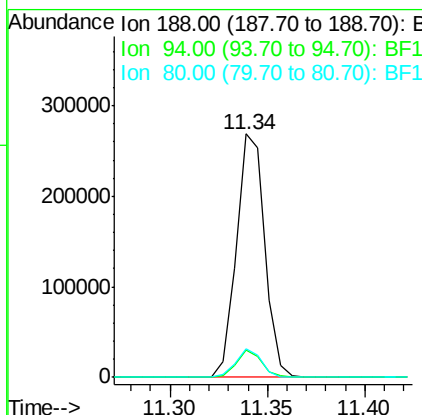
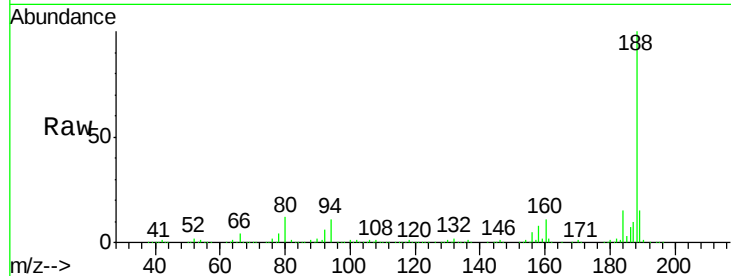
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	269739		
94	11.0		8.5	12.7
80	11.7		9.2	13.8

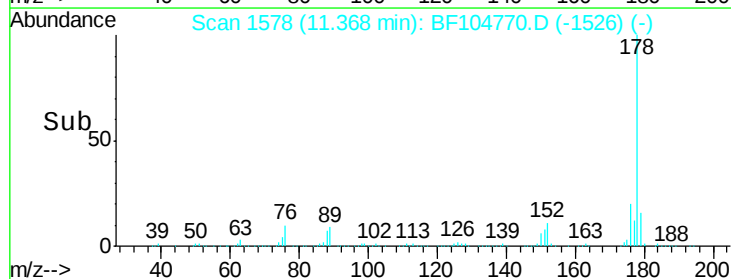
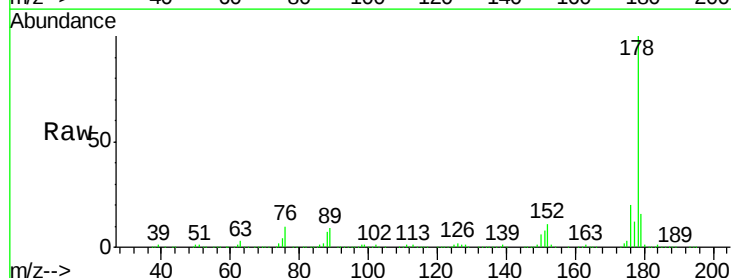
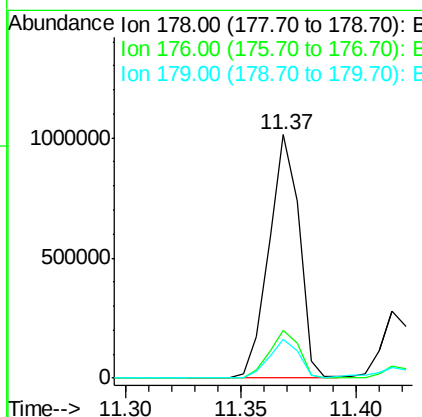
Manual Integrations
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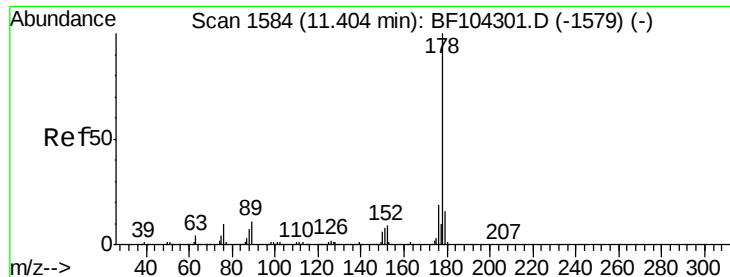
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#70
Phenanthrene
Concen: 61.473 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	923423		
176	19.6		15.8	23.8
179	15.7		13.0	19.6





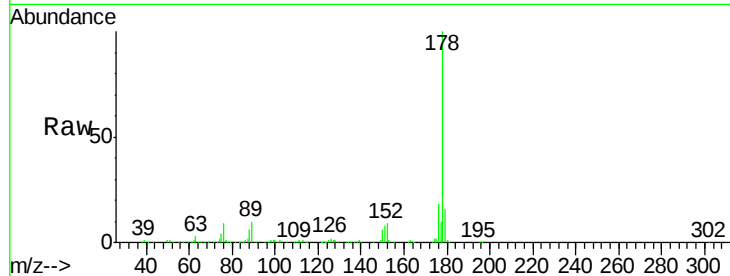
#71
 Anthracene
 Concen: 15.261 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF104770.D
 Acq: 24 Apr 2018 21:28

Instrument :
 BNA_F
 ClientSampled :
 TP-5

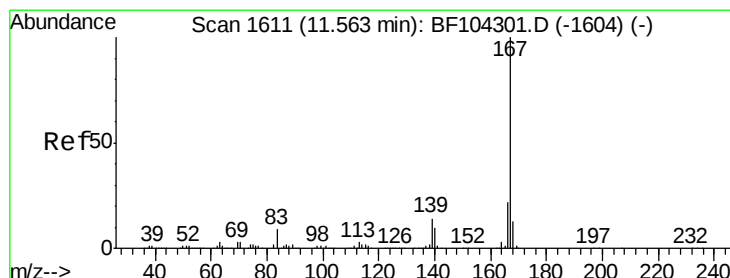
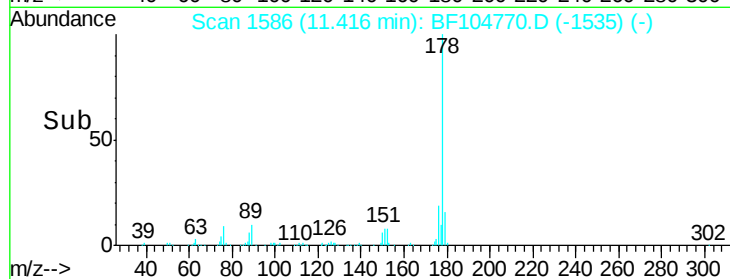
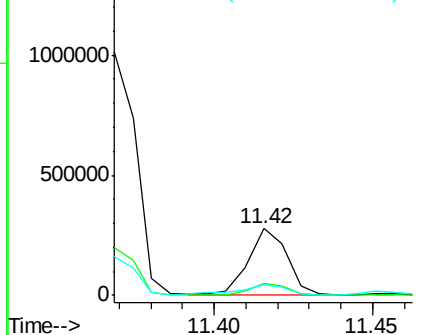
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.0	12.6	19.0

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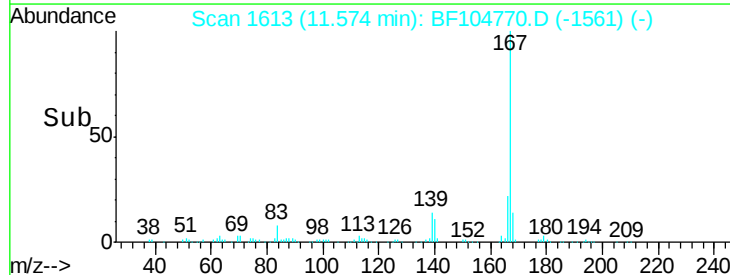
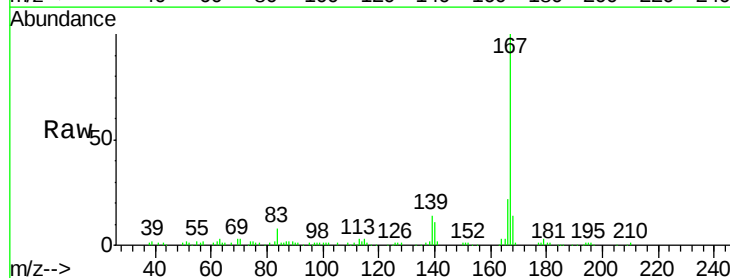
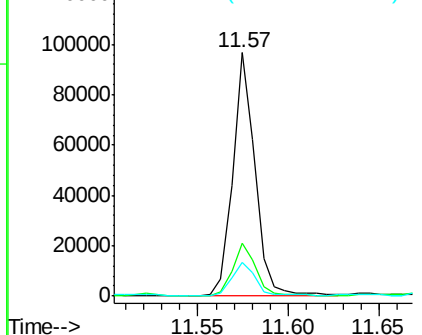
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

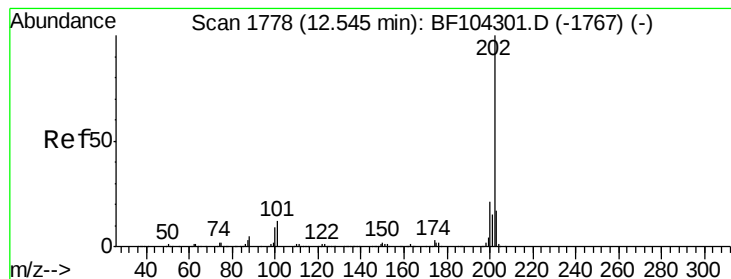


#72
 Carbazole
 Concen: 5.587 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF104770.D
 Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	14.0	10.9	16.3

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





#74

Fluoranthene

Concen: 67.895 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF104770.D

Acq: 24 Apr 2018 21:28

Instrument :

BNA_F

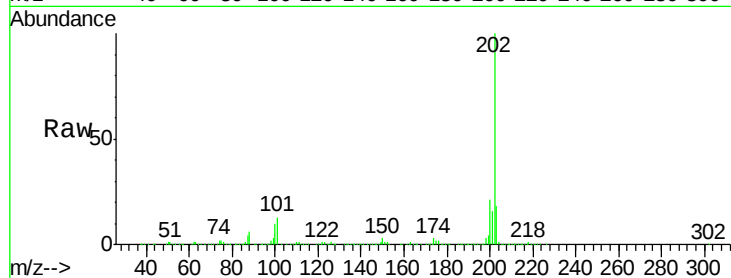
ClientSampled :

TP-5

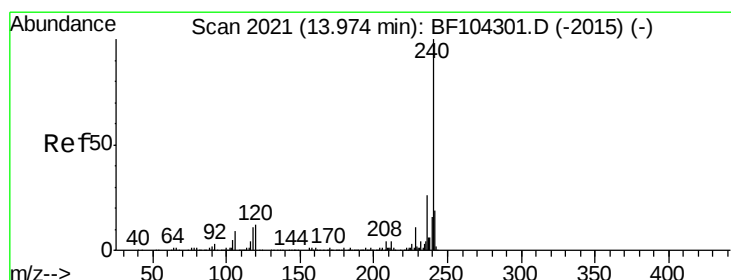
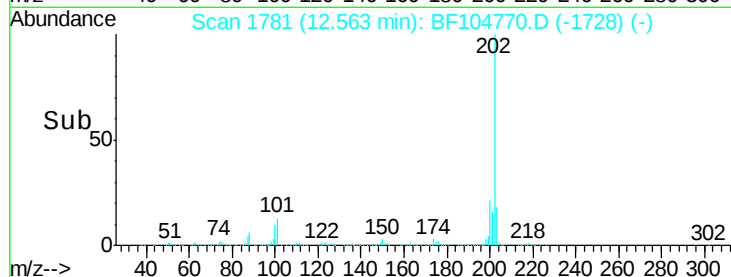
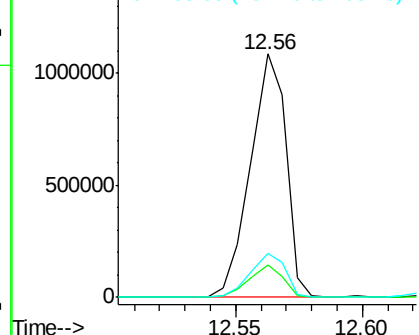
Tot Ion:	202	Resp:	1065594
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	34.1
203	17.9	0.0	38.1

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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

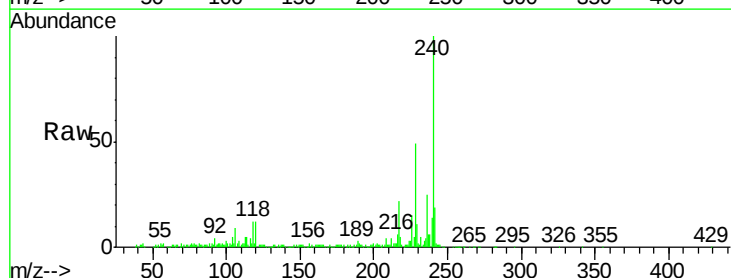
RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

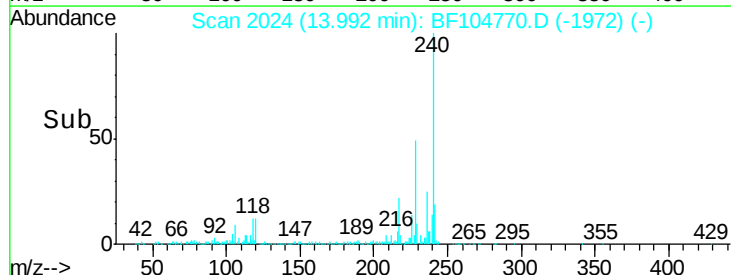
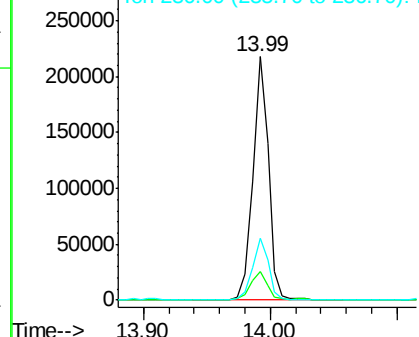
Lab File: BF104770.D

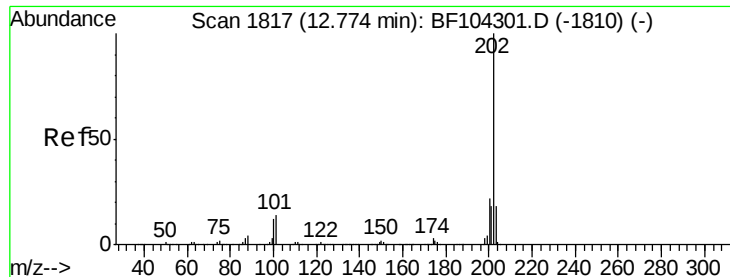
Acq: 24 Apr 2018 21:28

Tgt Ion:	240	Resp:	184877
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.5	14.3
236	25.3	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





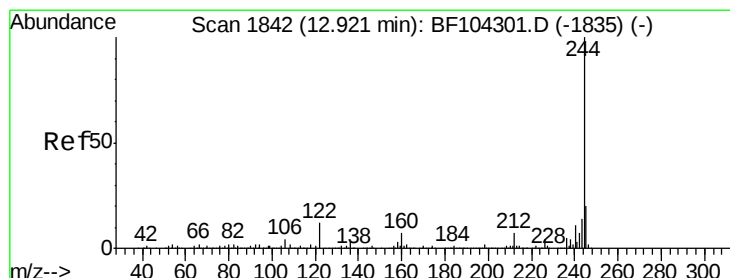
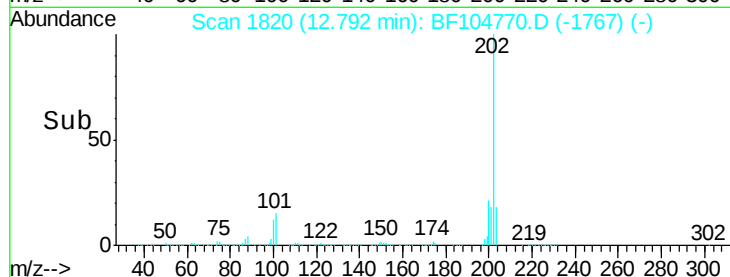
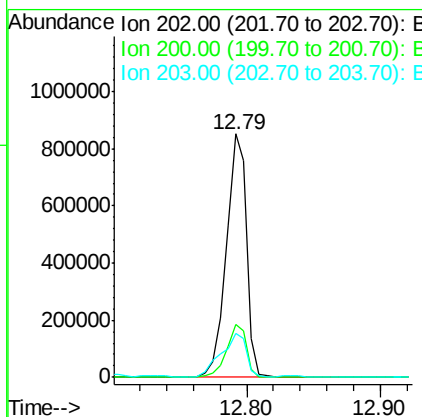
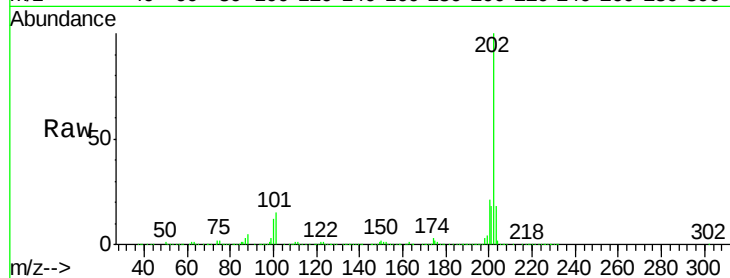
#77
Pvrene
Concen: 66.280 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.3	14.3	21.5

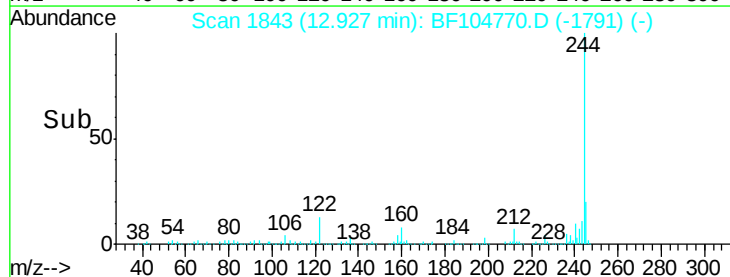
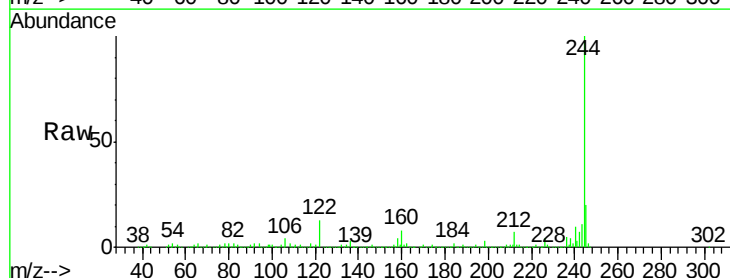
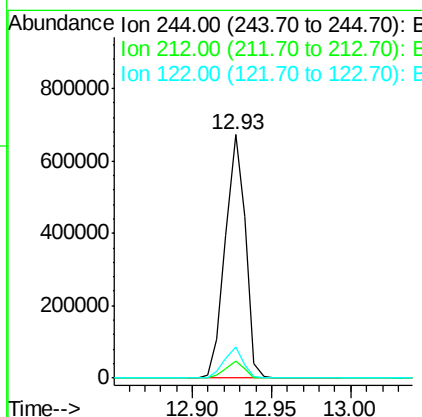
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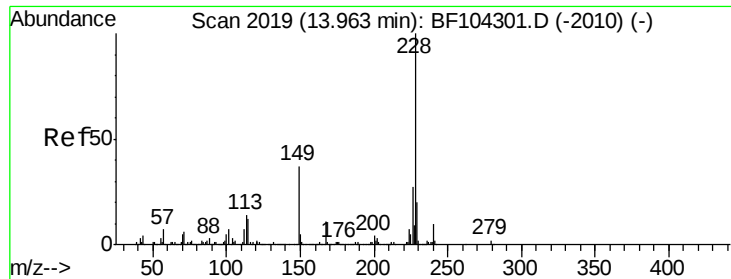
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#78
Terphenyl-d14
Concen: 73.362 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.7	11.0	16.4





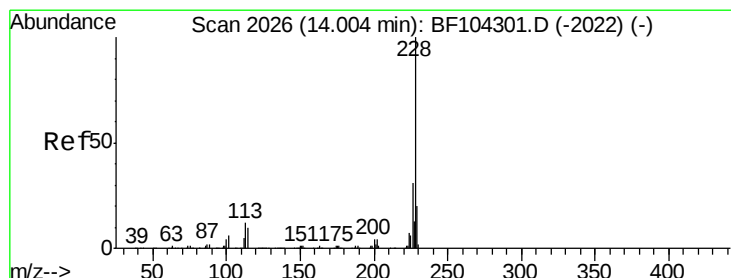
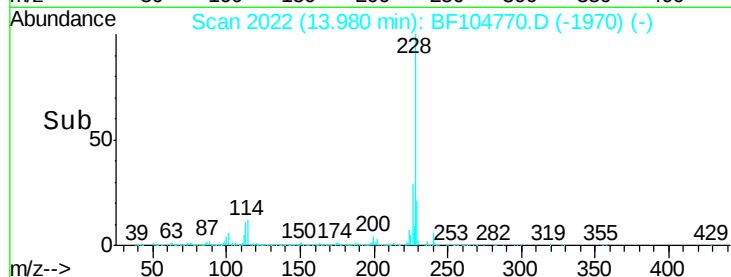
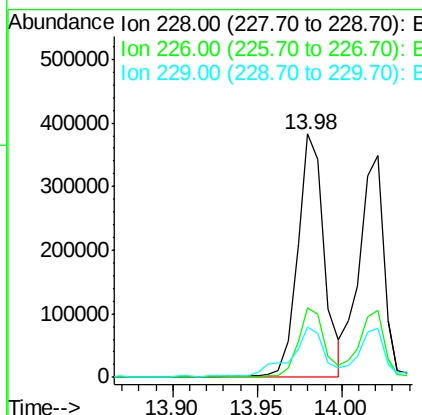
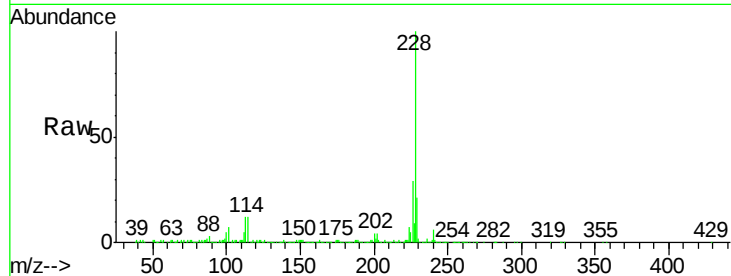
#80
Benzo(a)anthracene
Concen: 37.588 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.8	15.8	23.6

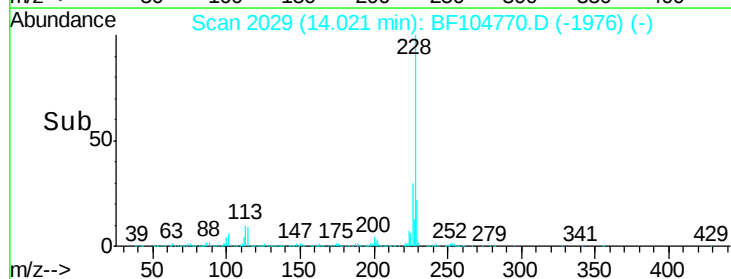
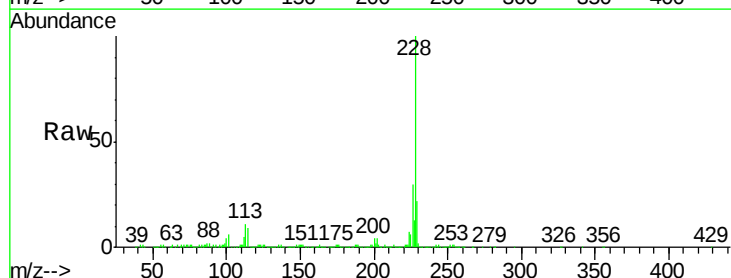
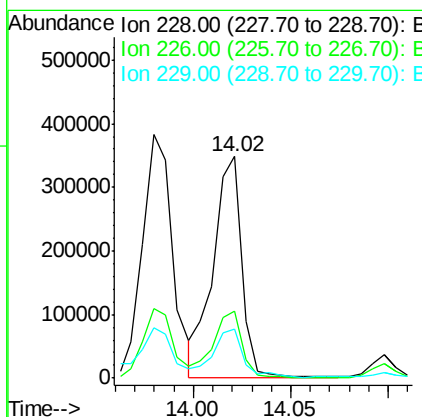
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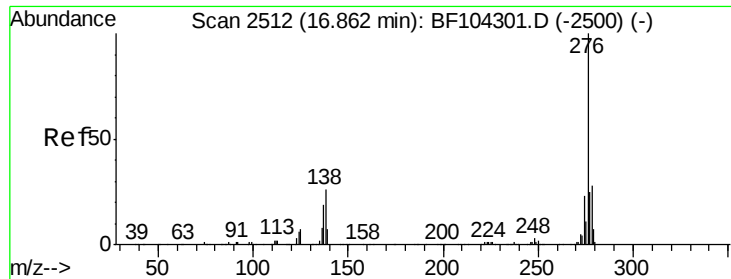
Sohil
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#82
Chrysene
Concen: 31.359 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.9	16.2	24.4





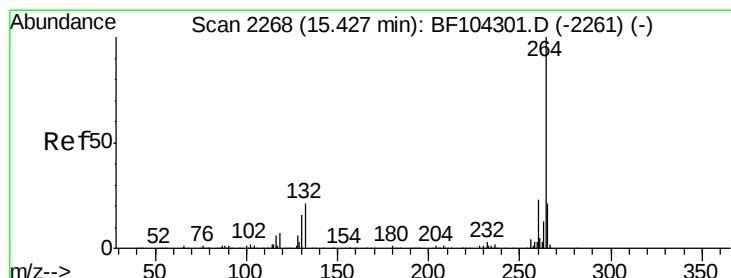
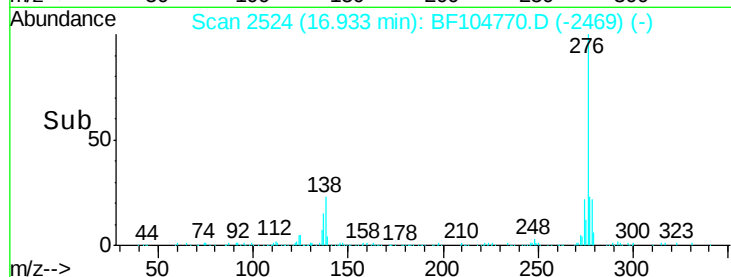
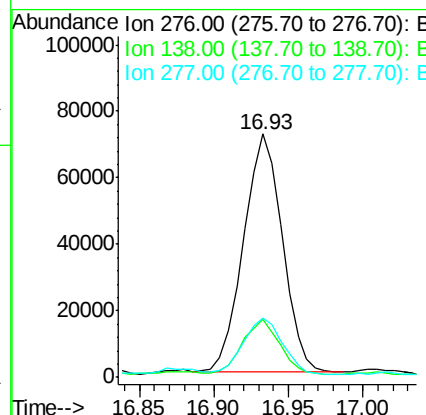
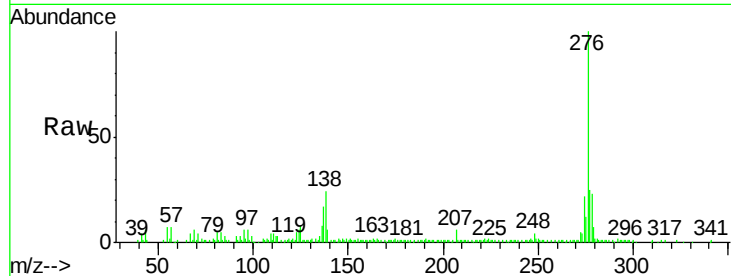
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.457 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.02 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	24.4	20.1	30.1

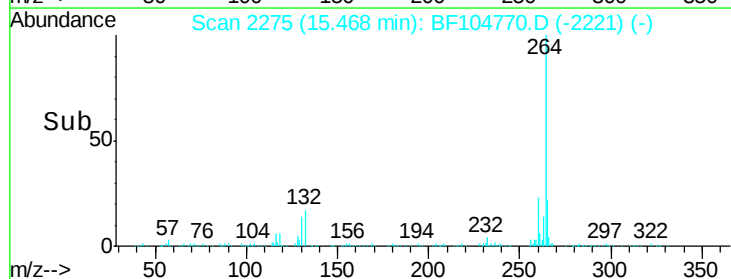
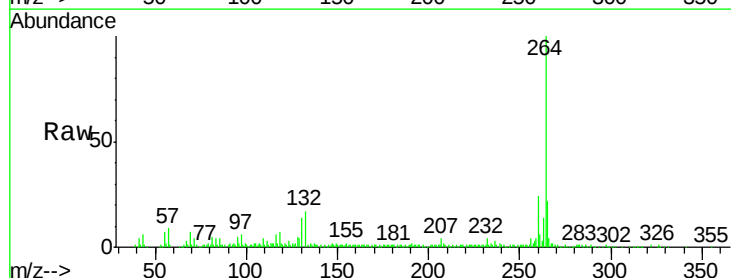
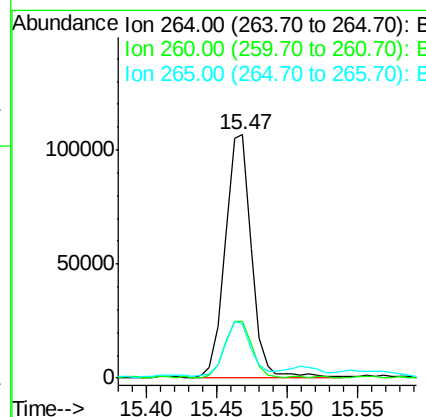
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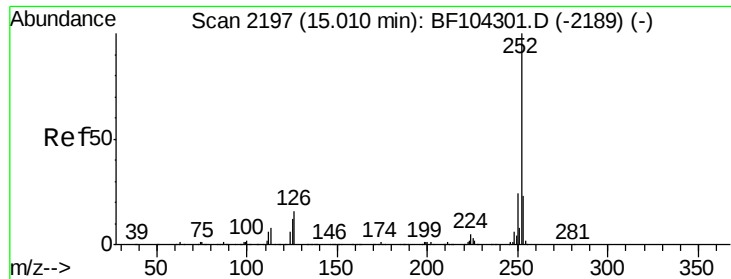
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 40.976 ng m

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF104770.D

Acq: 24 Apr 2018 21:28

Instrument :

BNA_F

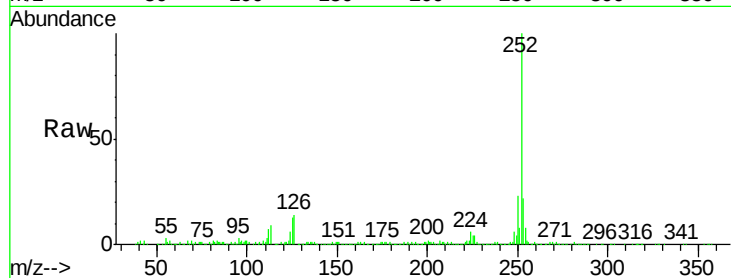
ClientSampleId :

TP-5

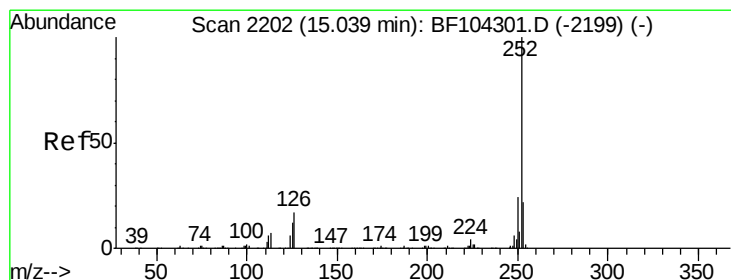
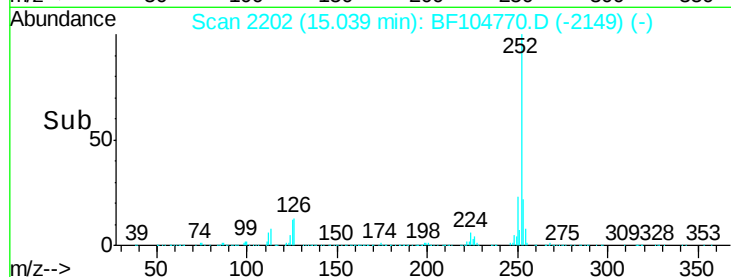
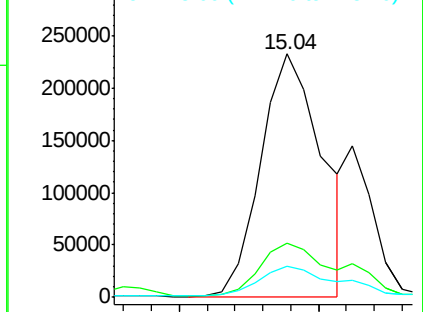
Tot Ion:	252	Resp:	353441
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	12.6	9.0	13.6

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 12.776 ng m

RT: 15.06 min Scan# 2206

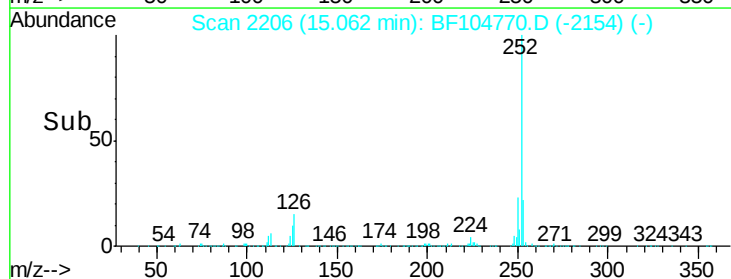
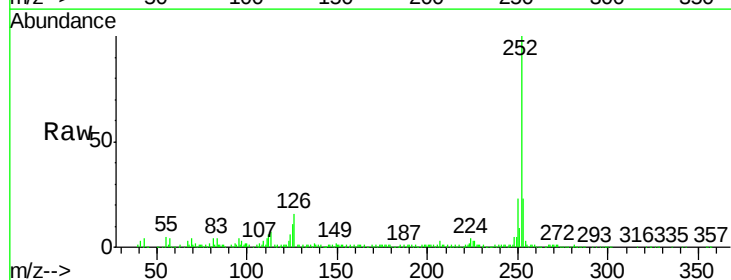
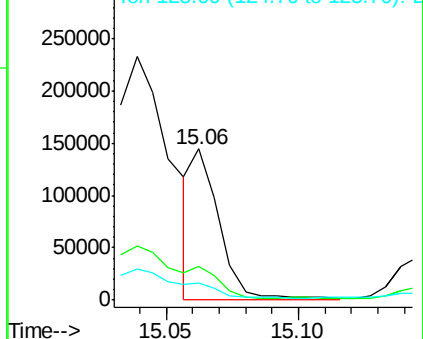
Delta R.T. 0.01 min

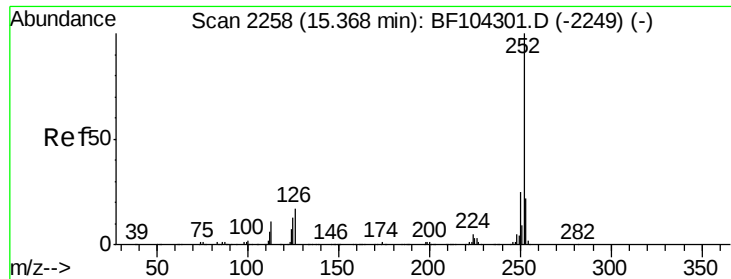
Lab File: BF104770.D

Acq: 24 Apr 2018 21:28

Tgt Ion:	252	Resp:	104039
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	11.5	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





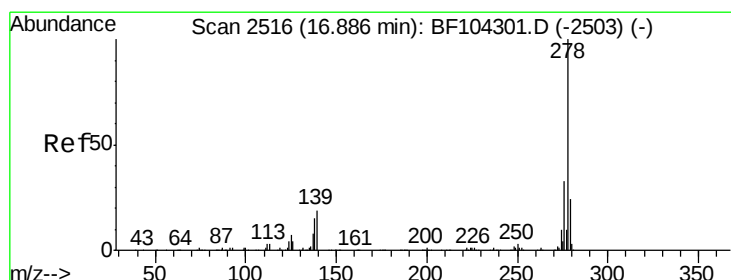
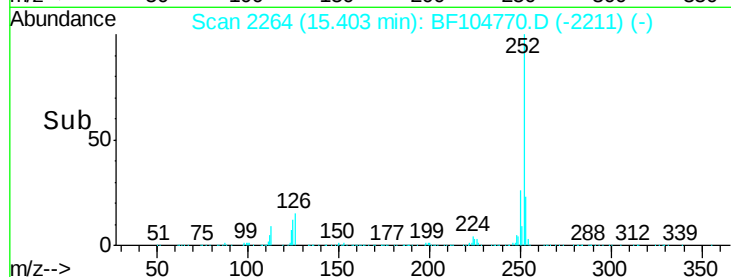
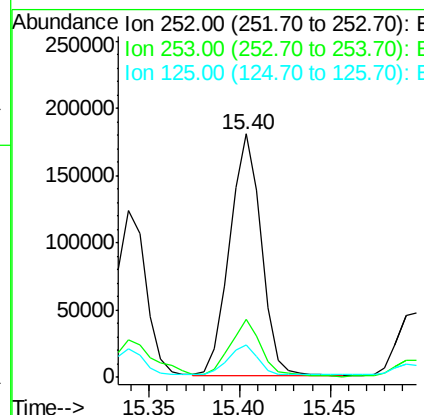
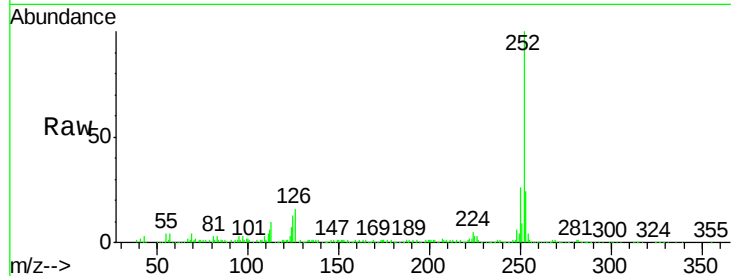
#89
Benzo(a)pyrene
Concen: 28.458 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	13.2	9.8	14.6

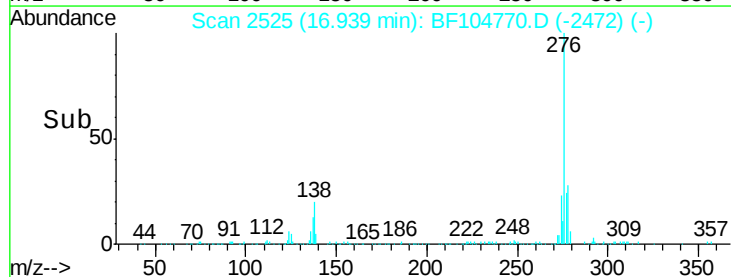
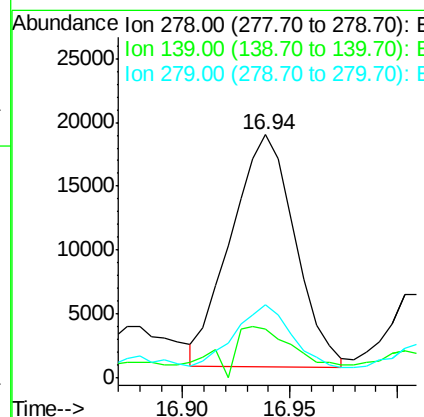
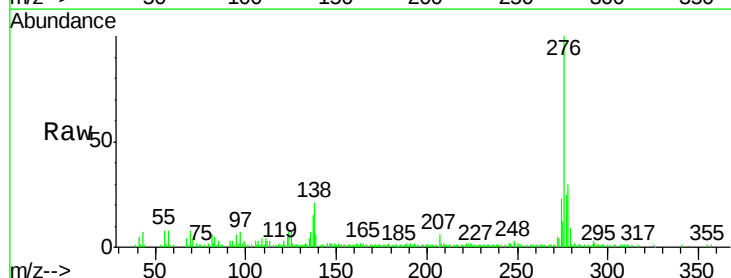
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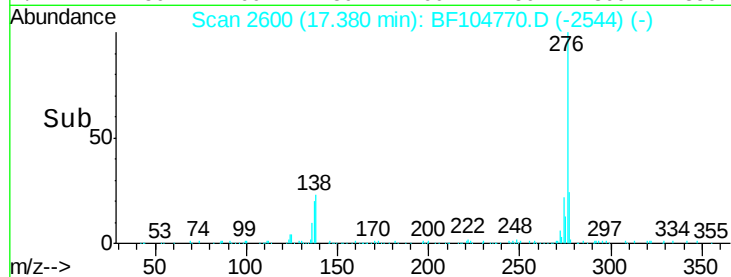
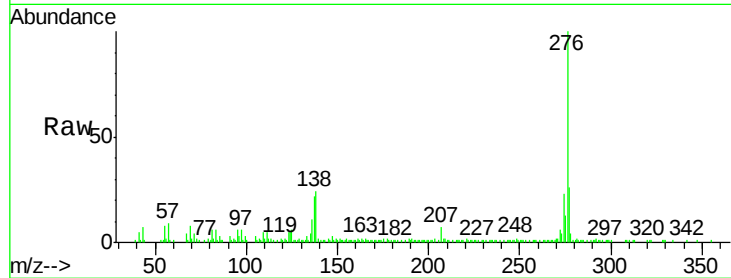
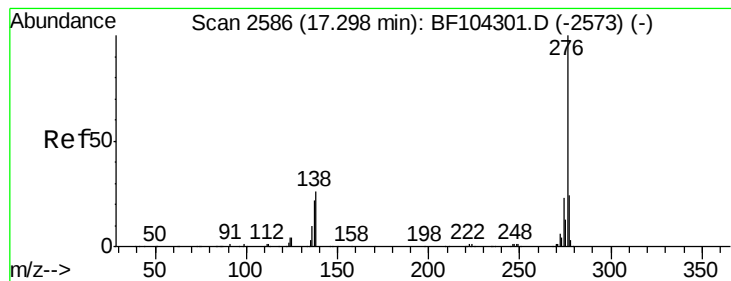
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#90
Dibenzo(a,h)anthracene
Concen: 5.924 ng m
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF104770.D
Acq: 24 Apr 2018 21:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	15.9	23.9
279	30.2	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 19.681 ng

RT: 17.38 min Scan# 2600

Delta R.T. 0.03 min

Lab File: BF104770.D

Acq: 24 Apr 2018 21:28

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	25.7		17.9	26.9	
138	23.7		21.8	32.8	

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