

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103793.D
 Acq On : 20 Mar 2018 9:02
 Operator : JU/SJ
 Sample : J1973-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
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Sohil
 3/20/2018 6:27:55 PM

Quant Time: Mar 20 10:54:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	155954	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	625480	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	278865	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	444658	20.00	ng	0.00
75) Chrysene-d12	14.16	240	300124	20.00	ng	0.00
86) Perylene-d12	15.70	264	264709	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	939317	91.61	ng	0.01
7) Phenol-d6	6.59	99	1180239	94.09	ng	0.00
23) Nitrobenzene-d5	7.53	82	697956	77.82	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	256197	106.85	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1045277	59.79	ng	0.00
78) Terphenyl-d14	13.09	244	787636	60.92	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.60	94	40256	3.020	ng	97
20) 3+4-Methylphenols	7.36	107	76652	6.315	ng	# 86
48) Acenaphthylene	9.87	152	133986	4.678	ng	99
49) Dimethylphthalate	9.72	163	149482	7.026	ng	100
70) Phenanthrene	11.53	178	408978	16.814	ng	98
71) Anthracene	11.58	178	109493	4.432	ng	97
74) Fluoranthene	12.73	202	840232	33.530	ng	97
77) Pyrene	12.96	202	786426	35.680	ng	99
80) Benzo(a)anthracene	14.14	228	416916m	21.946	ng	
82) Chrysene	14.19	228	410955	22.693	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	216094	13.664	ng	# 94
87) Benzo(b)fluoranthene	15.24	252	537011m	32.111	ng	
88) Benzo(k)fluoranthene	15.26	252	178574m	11.108	ng	
89) Benzo(a)pyrene	15.63	252	345210	22.758	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	55910	4.257	ng	97
91) Benzo(g,h,i)perylene	17.74	276	197766	15.477	ng	95

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

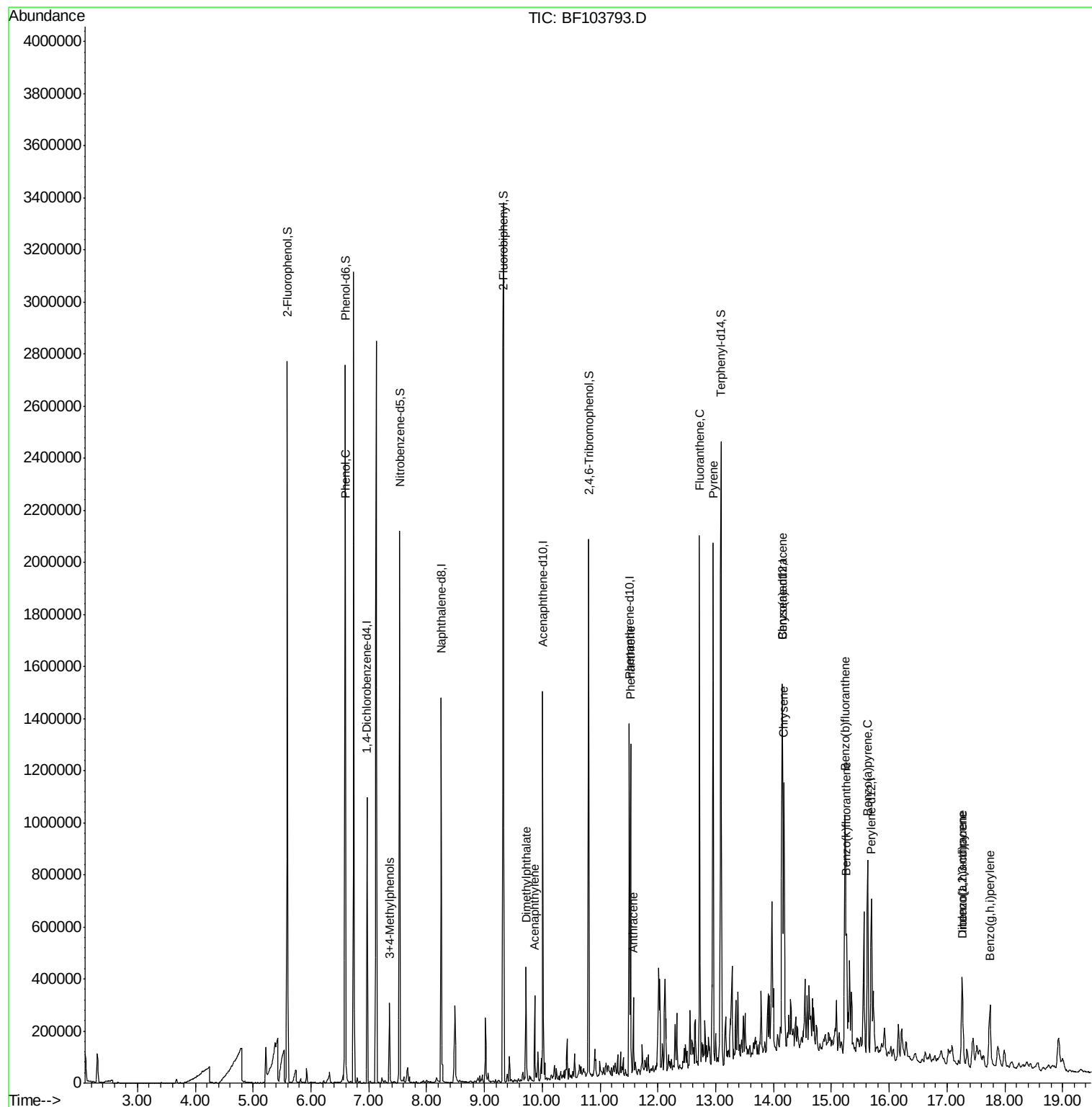
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
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ALS Vial : 34 Sample Multiplier: 1

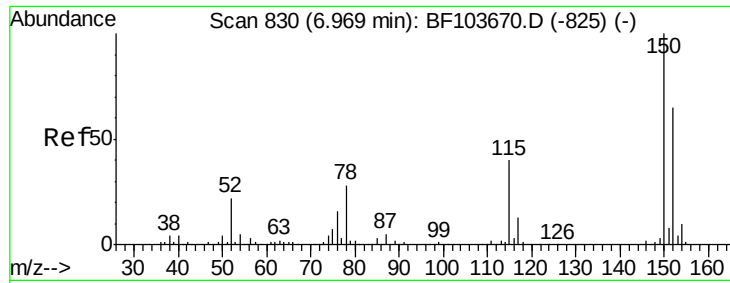
Instrument :
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ClientSampled :
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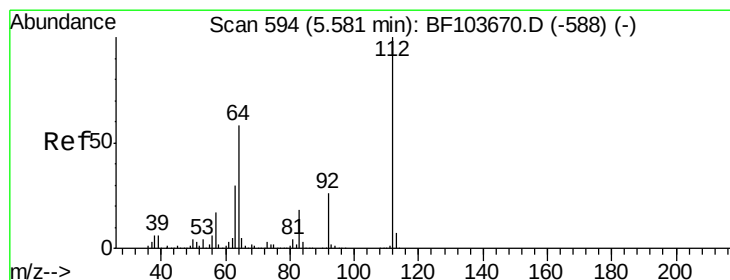
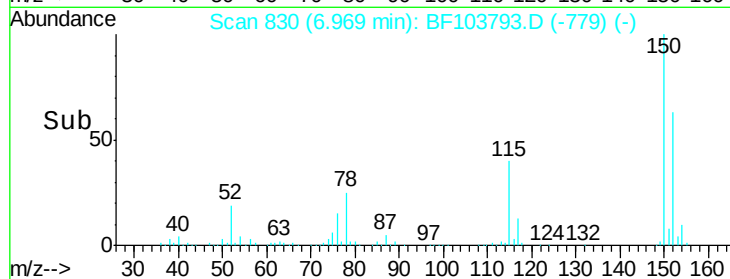
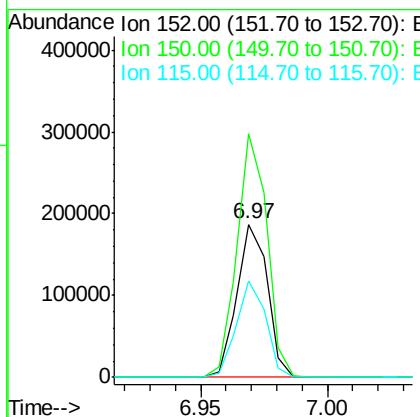
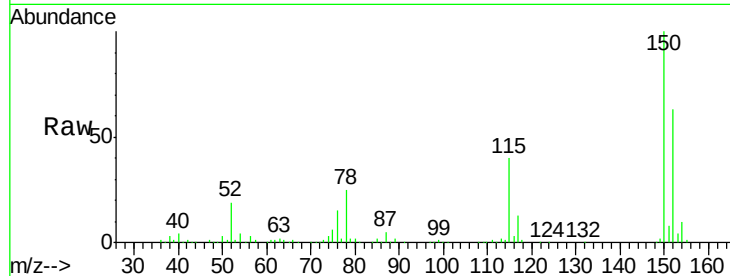
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Instrument :
 BNA_F
 ClientSampled :
 COMP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	63.5	50.1	75.1

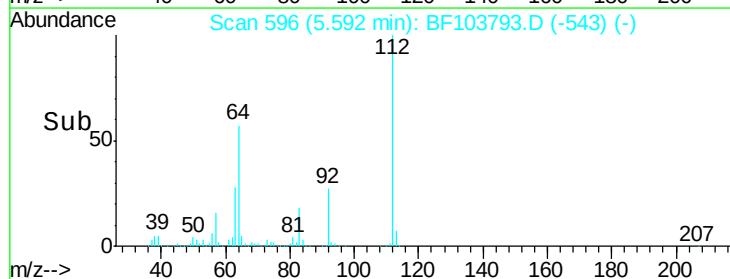
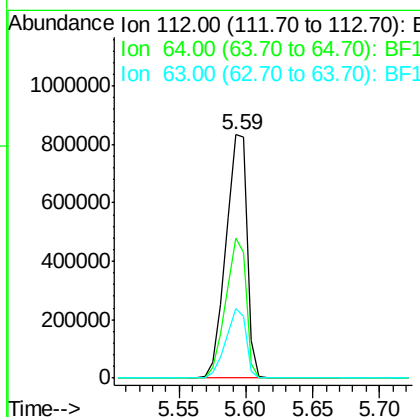
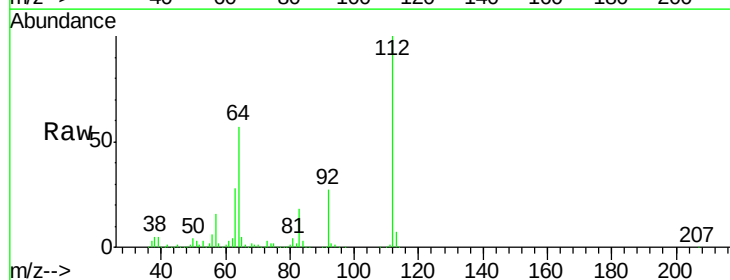
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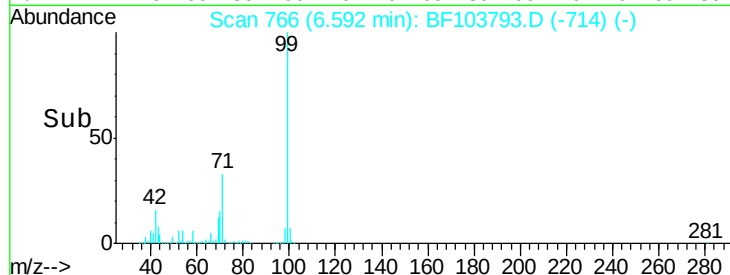
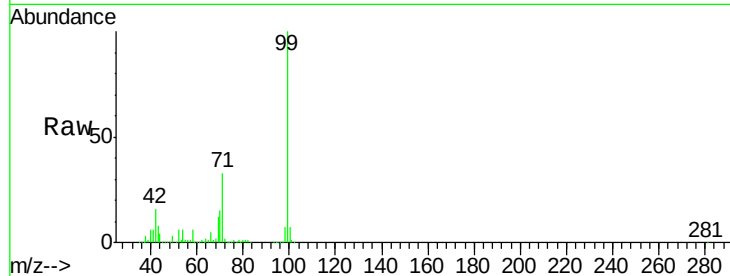
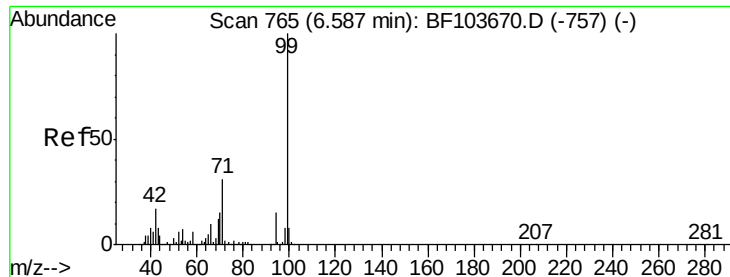
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#5
 2-Fluorophenol
 Concen: 91.610 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 94.085 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Tot Ion:	99	Resp:	1180239
Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.5	21.7
71	32.7	25.4	38.0

Instrument :

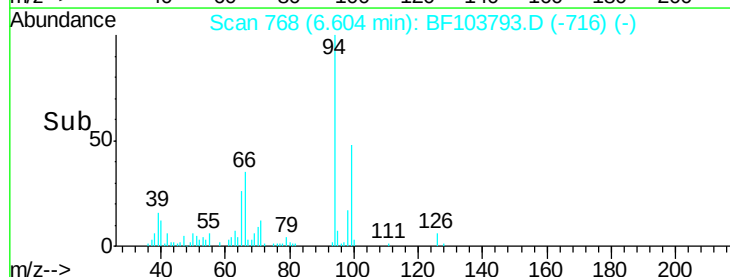
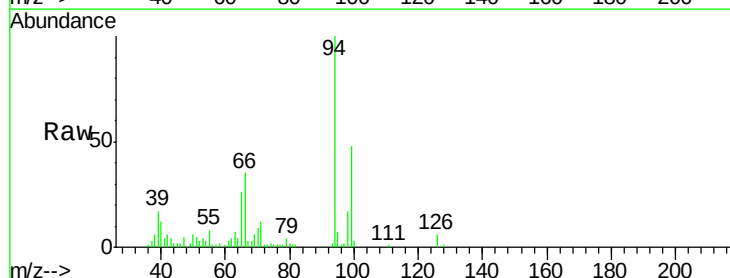
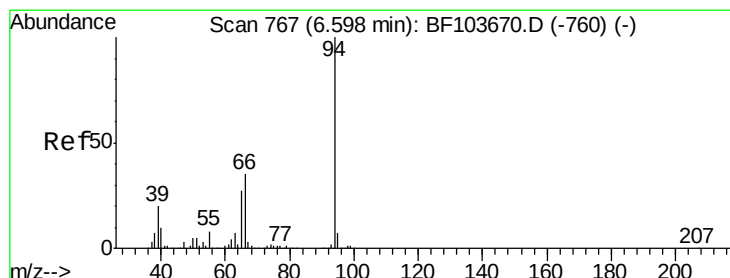
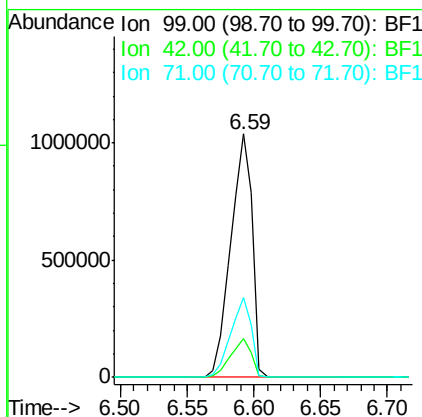
BNA_F

ClientSampled :

COMP-1

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#10

Phenol

Concen: 3.020 ng

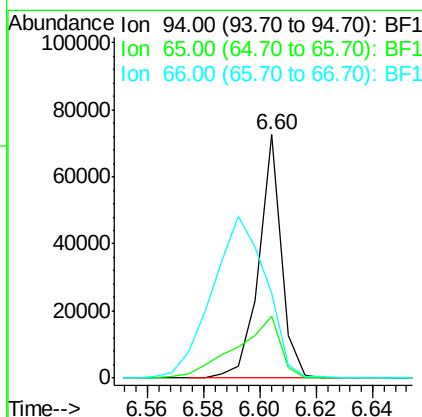
RT: 6.60 min Scan# 768

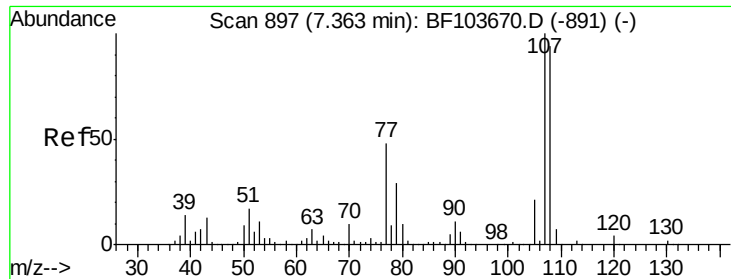
Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Tgt Ion:	94	Resp:	40256
Ion	Ratio	Lower	Upper
94	100		
65	25.6	7.9	47.9
66	34.6	16.2	56.2





#20

3+4-Methylphenols

Concen: 6.315 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

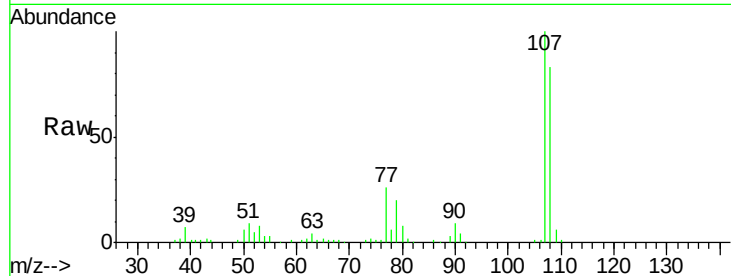
ClientSampled :

COMP-1

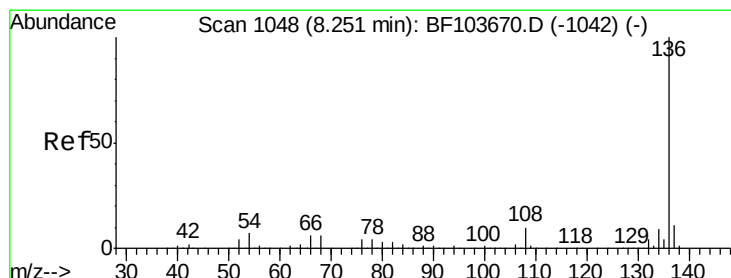
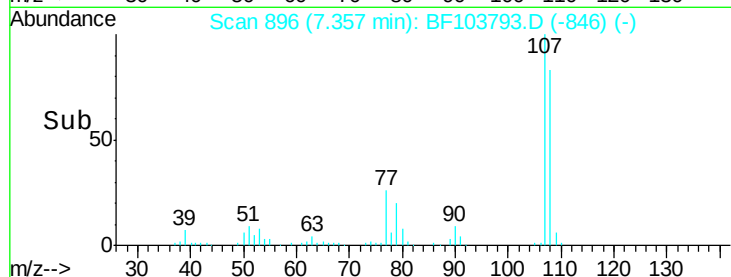
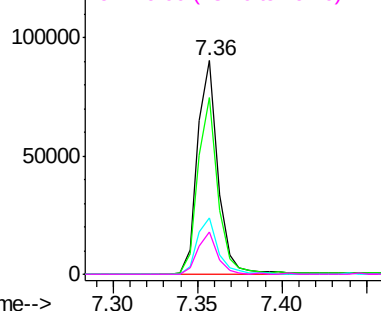
Tot Ion:	107	Resp:	76652
Ion Ratio	Lower	Upper	
107	100		
108	83.0	68.2	108.2
77	26.1	26.7	66.7#
79	19.7	6.3	46.3

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

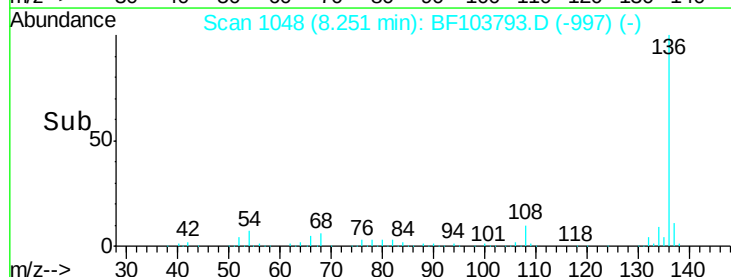
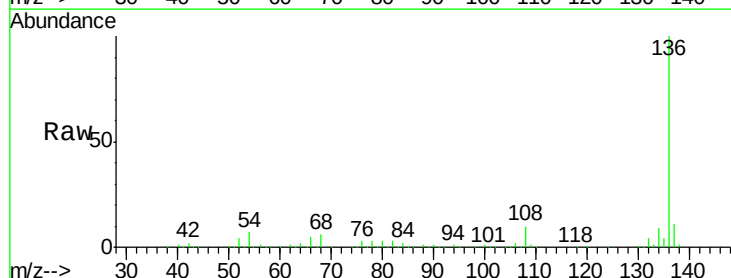
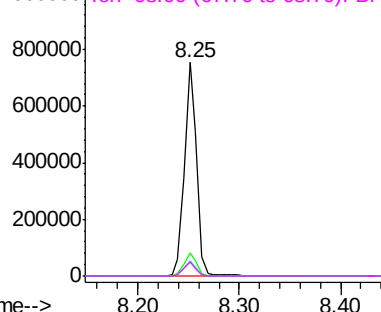
Delta R.T. -0.00 min

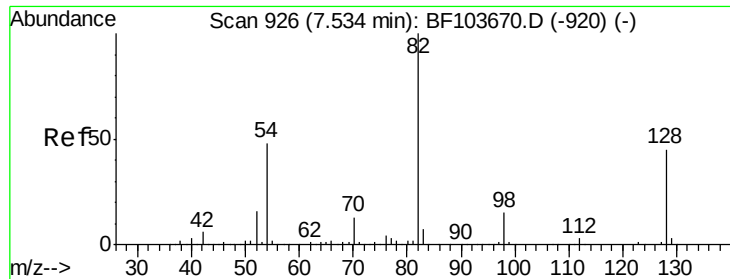
Lab File: BF103793.D

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Tgt Ion:	136	Resp:	625480
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.2	6.6	9.8
68	6.4	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





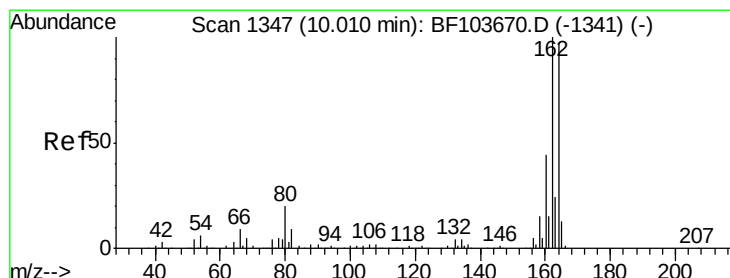
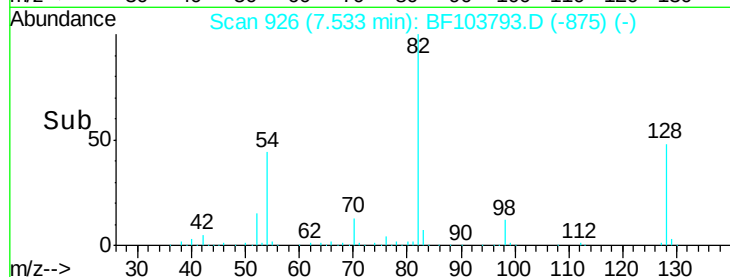
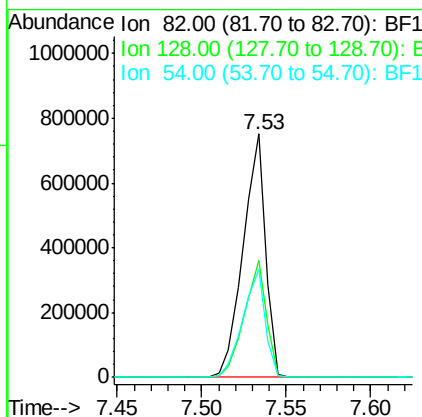
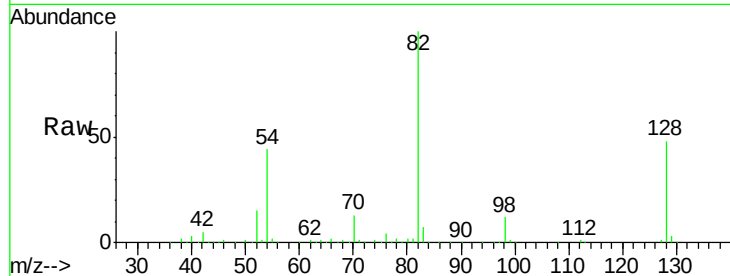
#23
 Nitrobenzene-d5
 Concen: 77.816 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Instrument :
 BNA_F
 ClientSampled :
 COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100	697956		
128	47.9	36.1	54.1	
54	44.2	41.4	62.2	

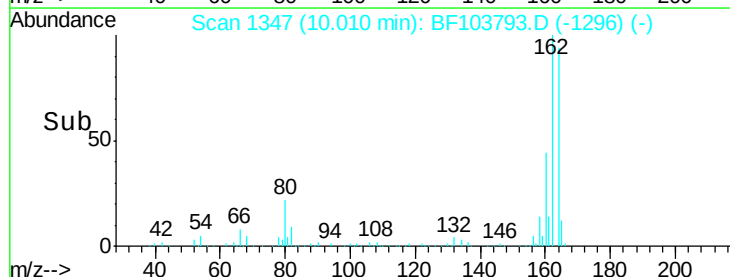
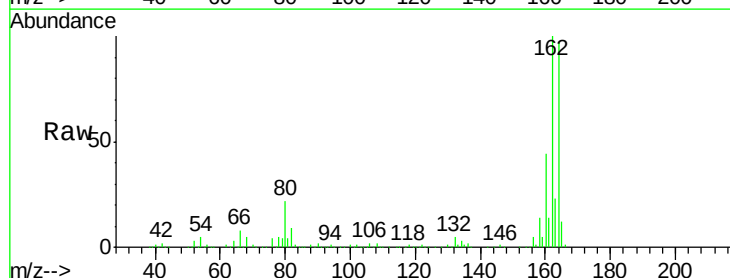
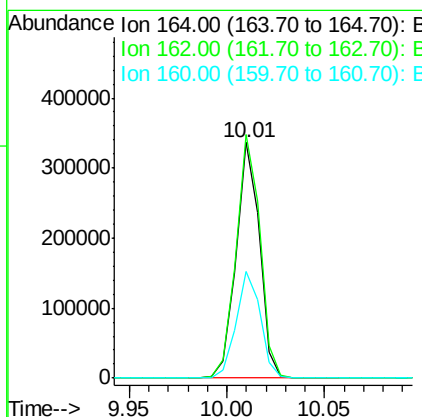
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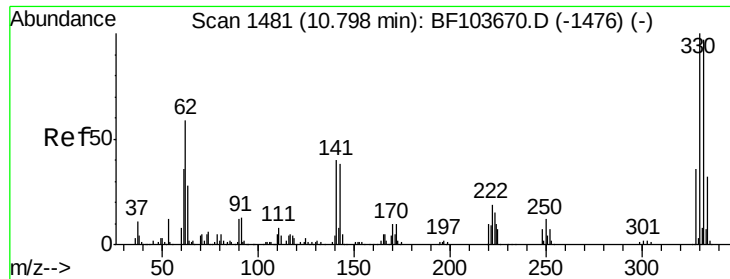
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	278865		
162	103.4	86.1	129.1	
160	45.5	38.3	57.5	





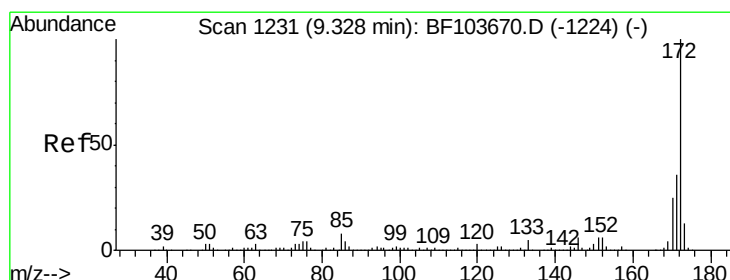
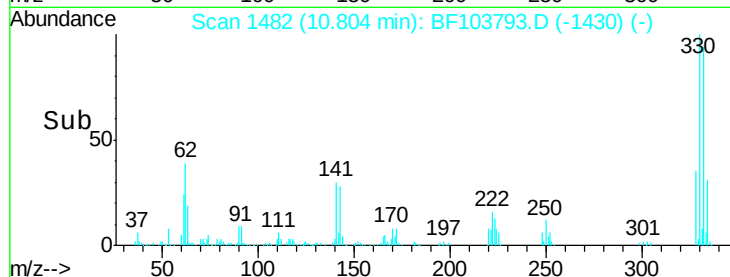
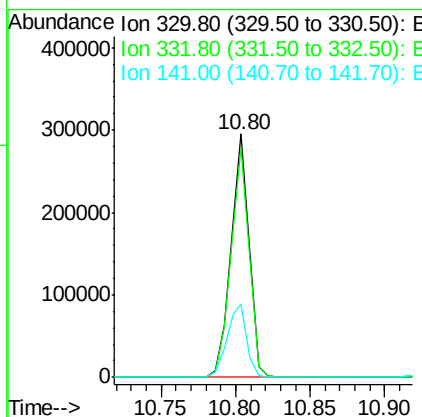
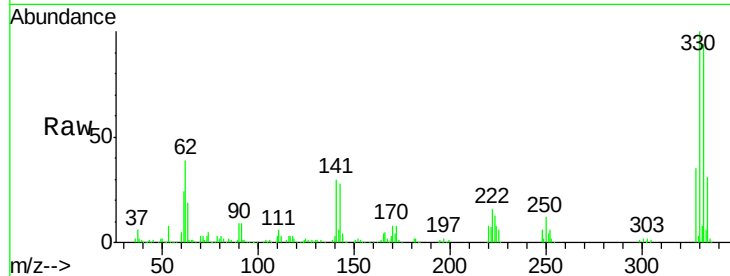
#41
 2,4,6-Tribromophenol
 Concen: 106.851 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	256197		
332	95.0		77.0	115.6
141	32.8		29.9	44.9

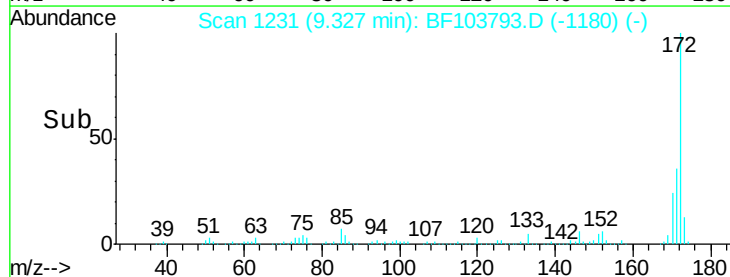
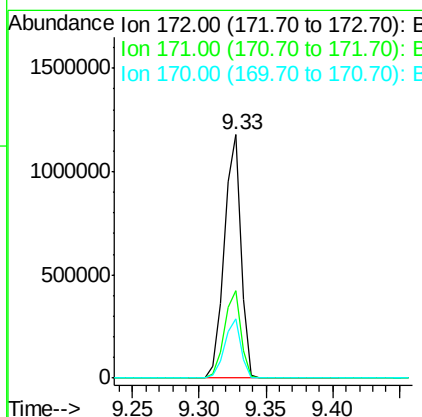
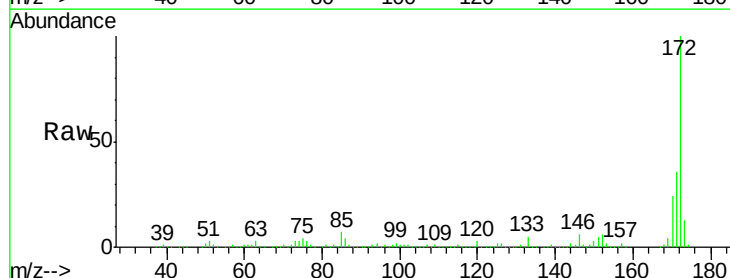
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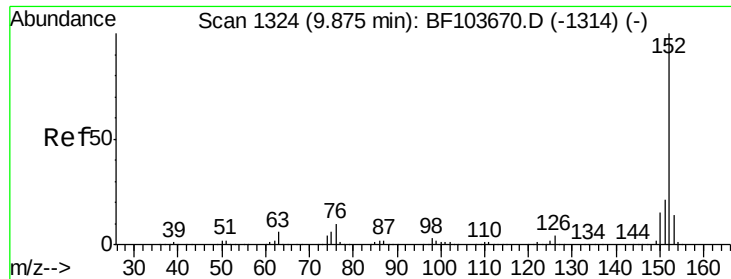
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#44
 2-Fluorobiphenyl
 Concen: 59.791 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1045277		
171	35.8		29.7	44.5
170	24.3		19.6	29.4





#48

Acenaphthylene

Concen: 4.678 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

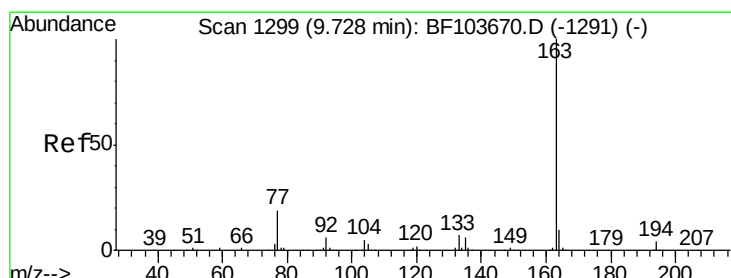
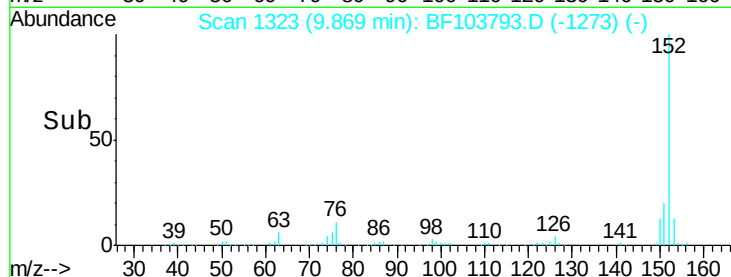
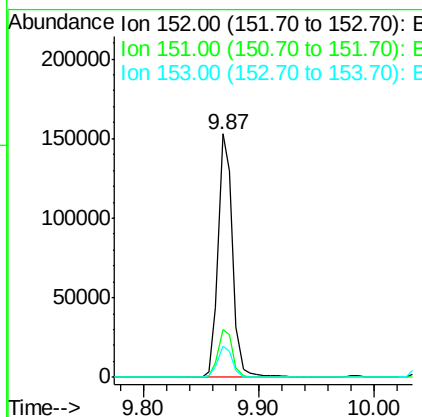
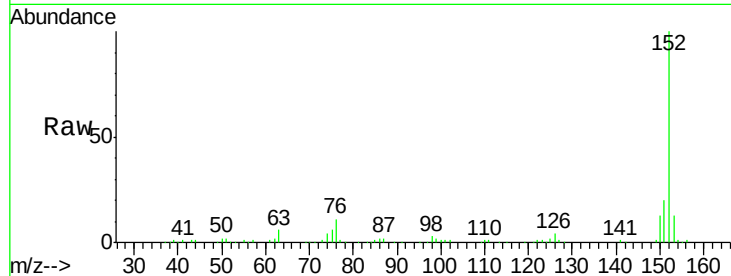
ClientSampleId :

COMP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		133986		
151	19.7	16.3	24.5		
153	12.9	10.7	16.1		

Manual Integrations
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#49

Dimethylphthalate

Concen: 7.026 ng

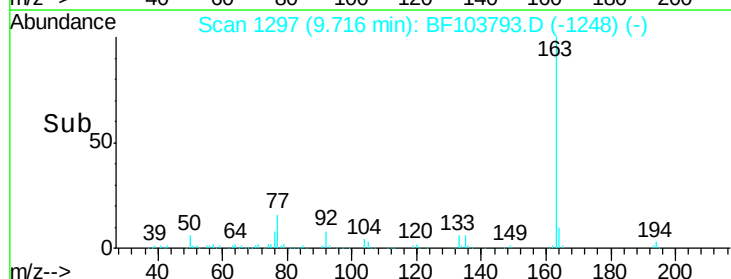
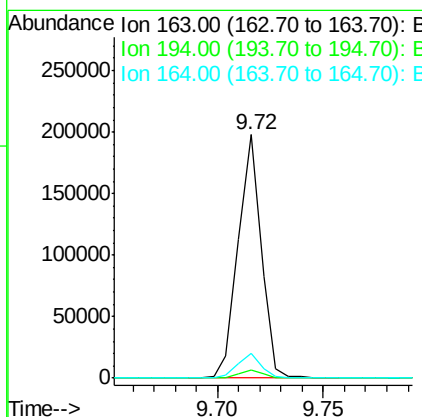
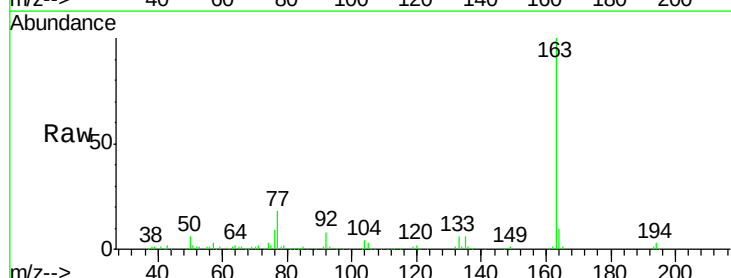
RT: 9.72 min Scan# 1297

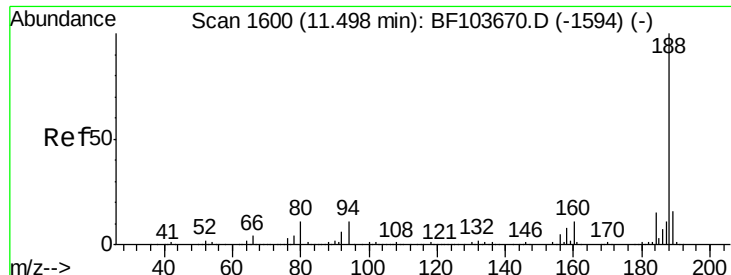
Delta R.T. -0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		149482		
194	3.4	2.7	4.1		
164	10.2	8.2	12.2		





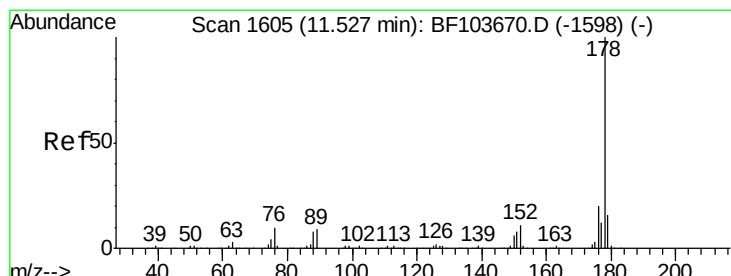
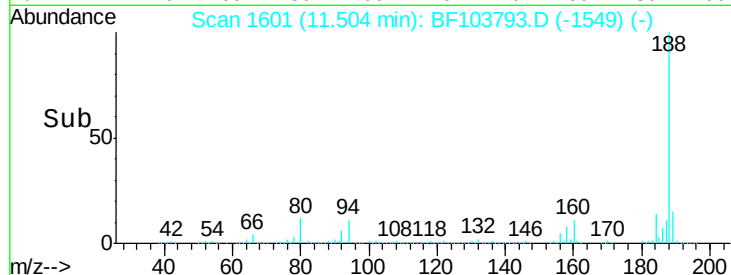
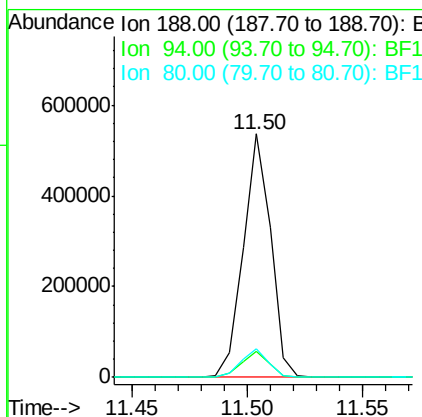
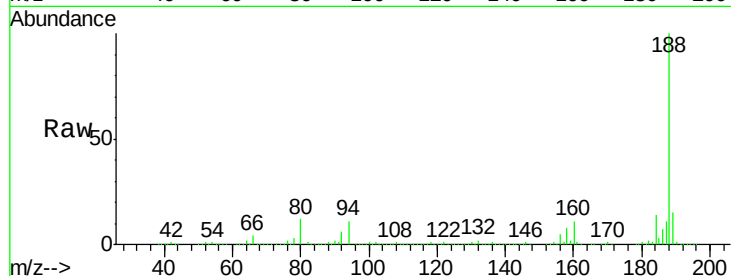
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Instrument :
 BNA_F
 ClientSampled :
 COMP-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	444658		
94	10.5		8.5	12.7
80	11.6		9.2	13.8

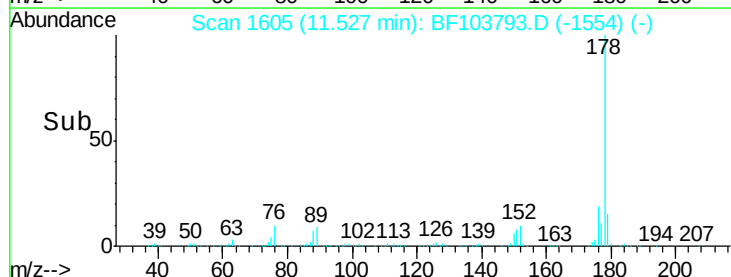
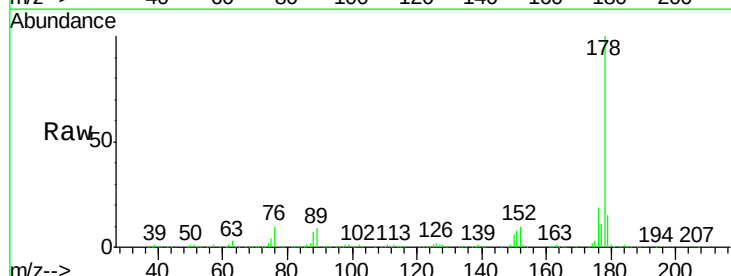
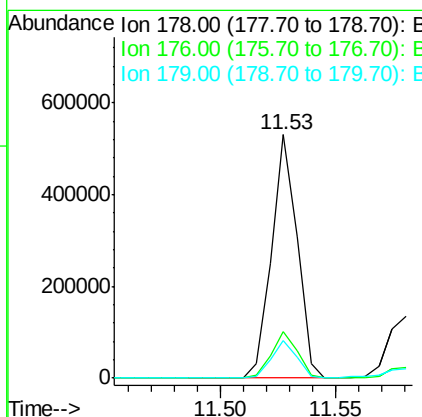
Manual Integrations
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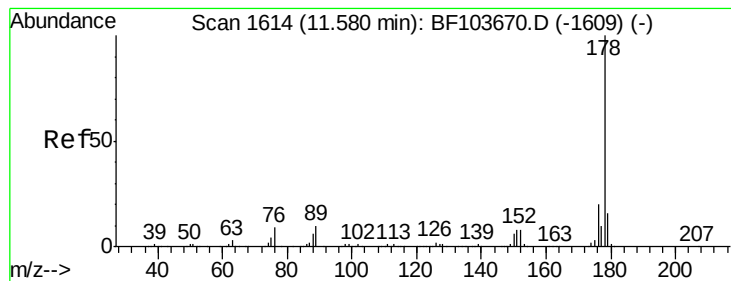
Sohil
 3/20/2018 6:27:55 PM



#70
 Phenanthrene
 Concen: 16.814 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	408978		
176	19.0		15.8	23.8
179	15.3		13.0	19.6





#71

Anthracene

Concen: 4.432 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.00 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

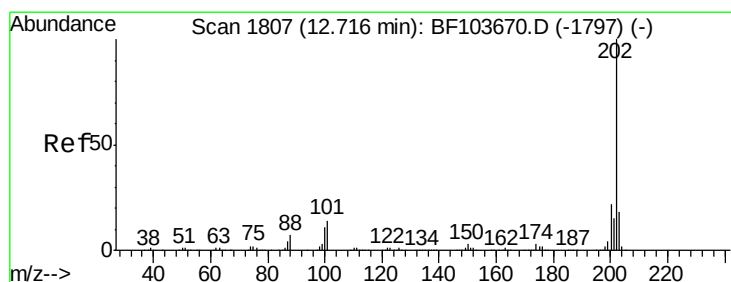
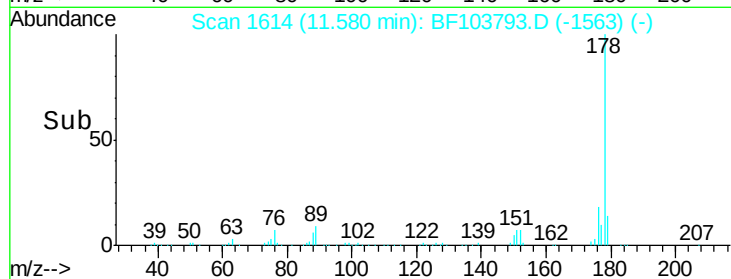
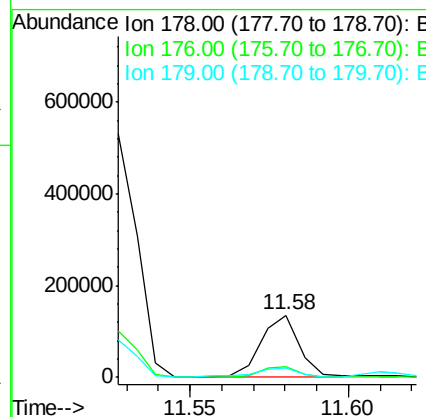
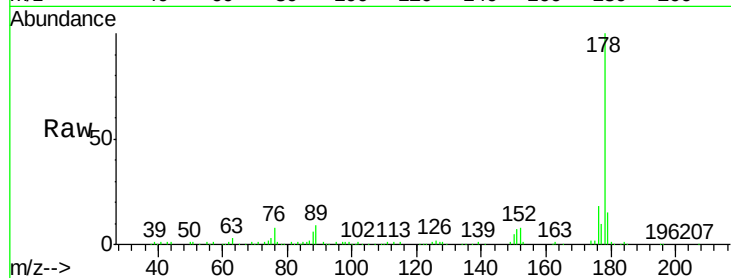
ClientSampleId :

COMP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	14.6	12.6	19.0

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#74

Fluoranthene

Concen: 33.530 ng

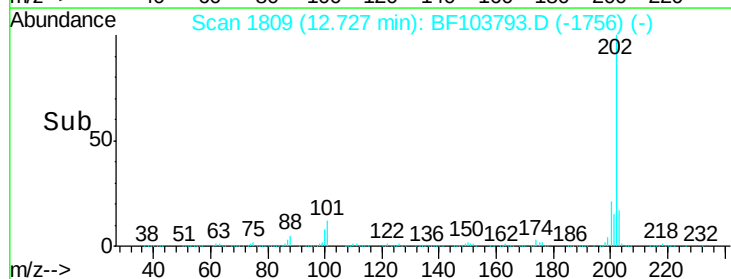
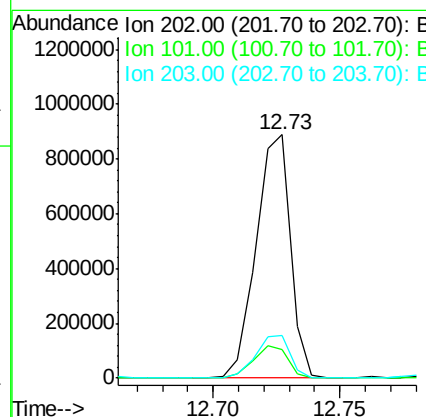
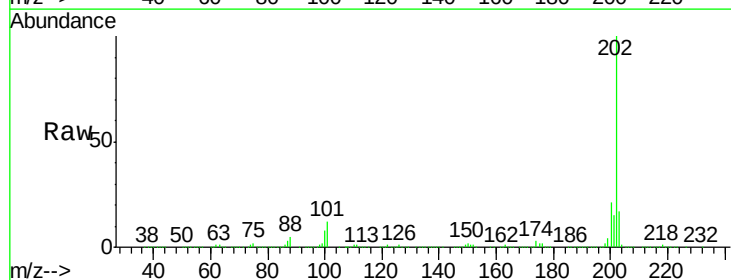
RT: 12.73 min Scan# 1809

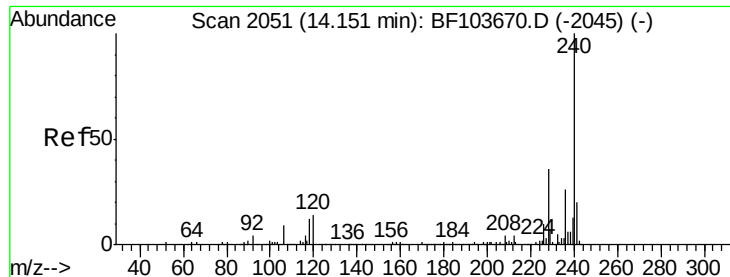
Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

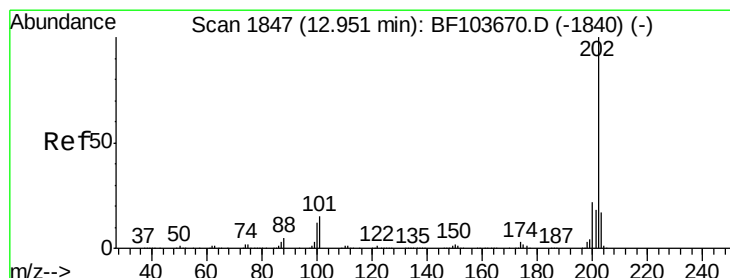
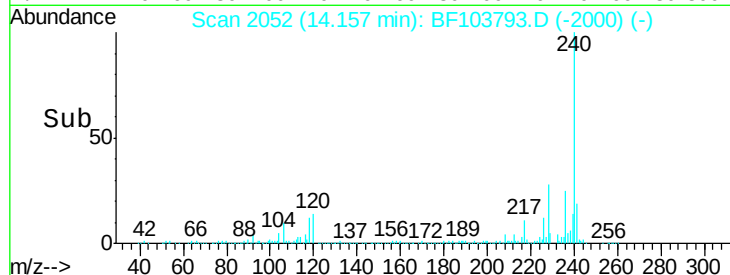
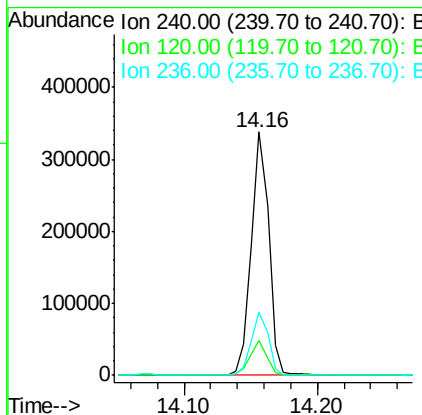
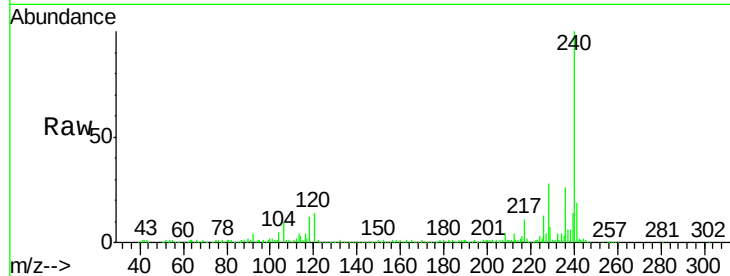
ClientSampleId :

COMP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3
236	25.8	20.7	31.1

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#77

Pyrene

Concen: 35.680 ng

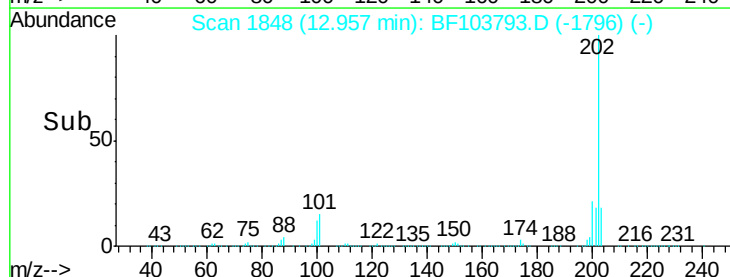
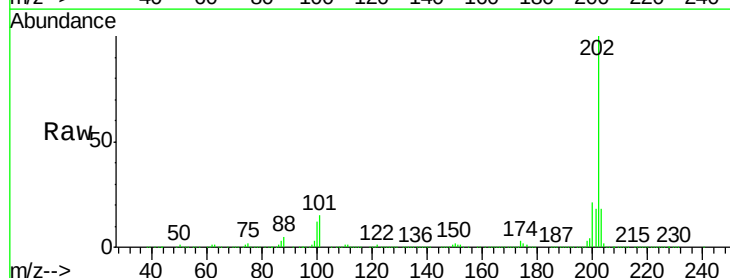
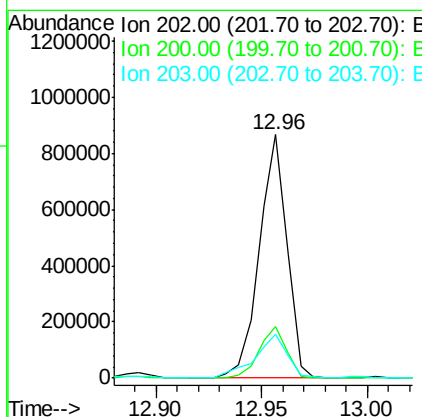
RT: 12.96 min Scan# 1848

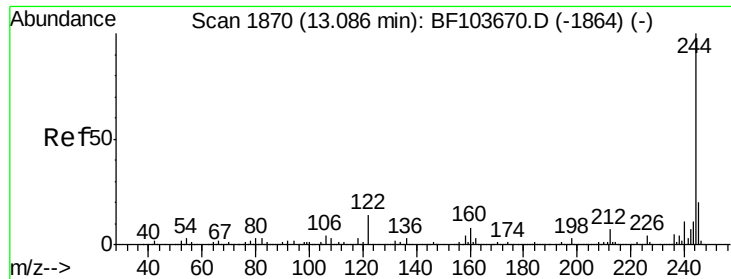
Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.0	14.3	21.5





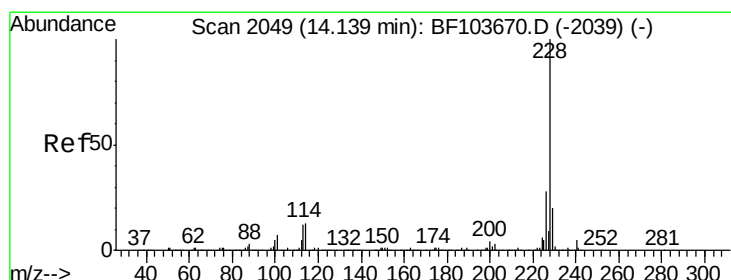
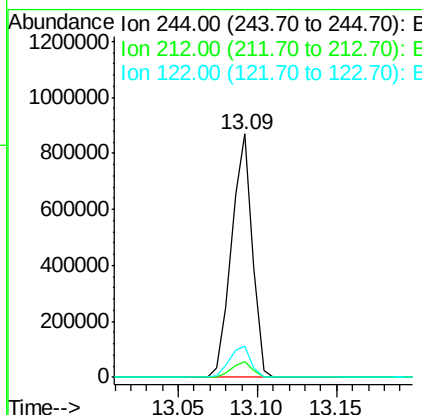
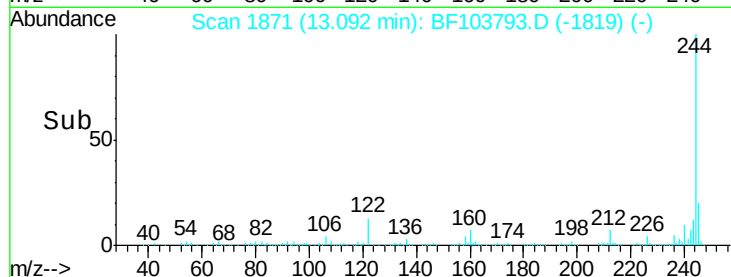
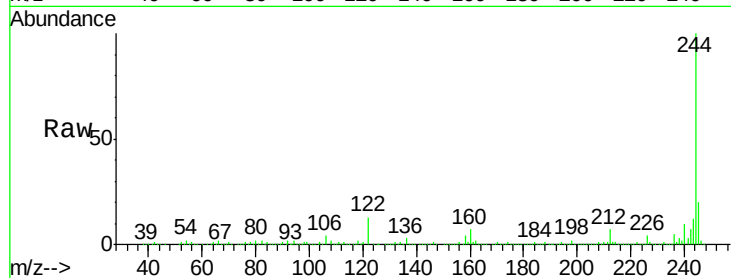
#78
 Terphenyl-d14
 Concen: 60.915 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Instrument :
 BNA_F
 ClientSampleID :
 COMP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.7	11.0	16.4

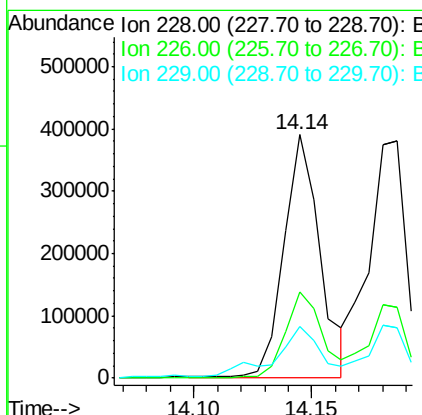
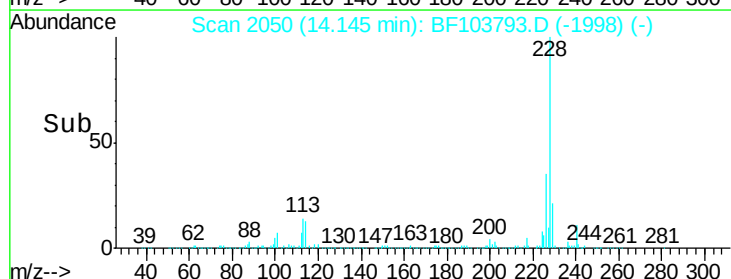
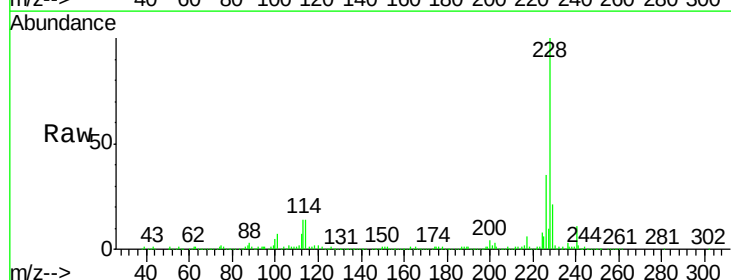
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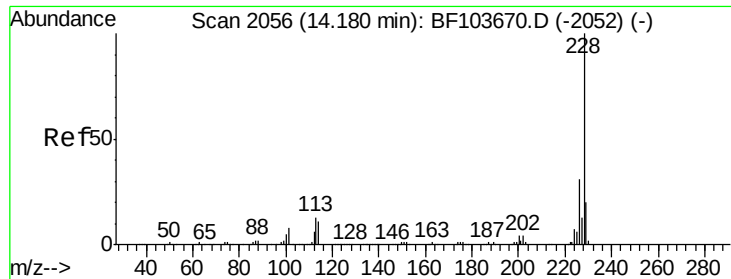
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#80
 Benzo(a)anthracene
 Concen: 21.946 ng m
 RT: 14.14 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: BF103793.D
 Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.3	22.6	33.8#
229	21.0	15.8	23.6





#82

Chrysene

Concen: 22.693 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

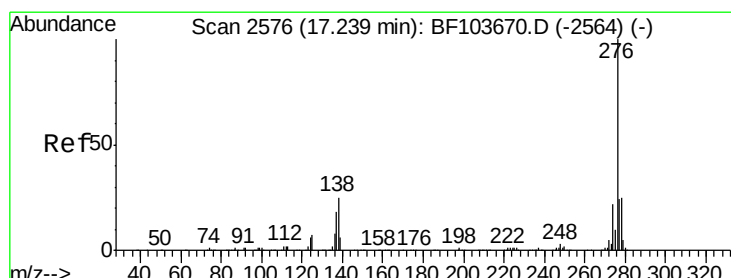
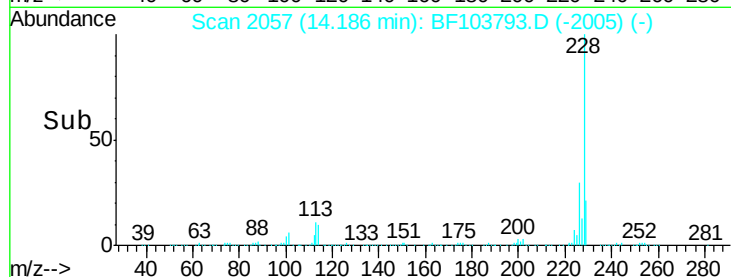
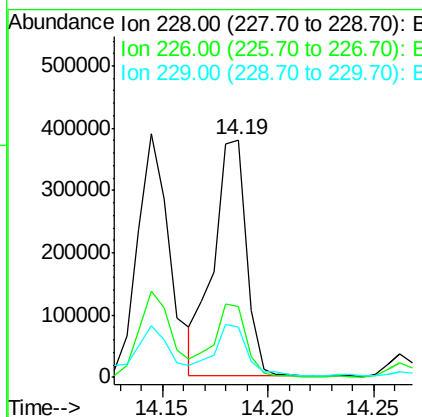
ClientSampled :

COMP-1

Tot Ion:	228	Resp:	410955
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	21.3	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.664 ng

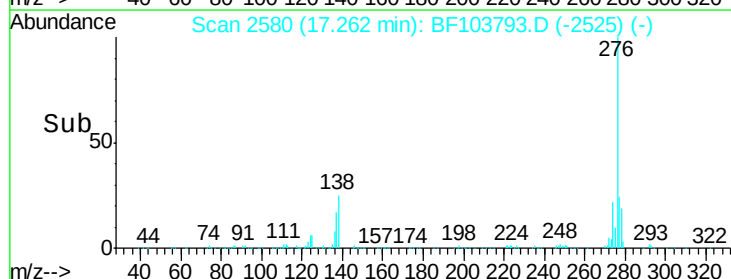
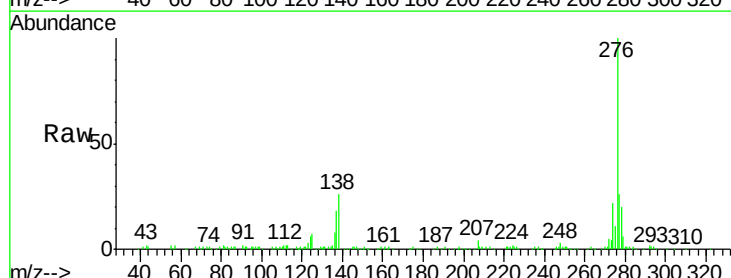
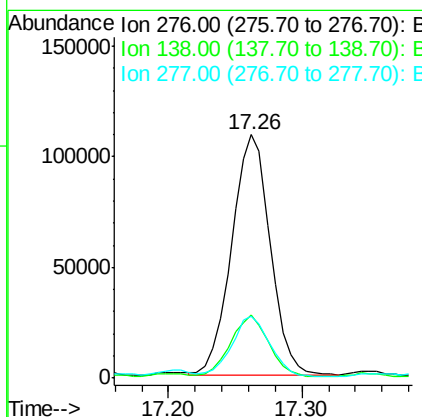
RT: 17.26 min Scan# 2580

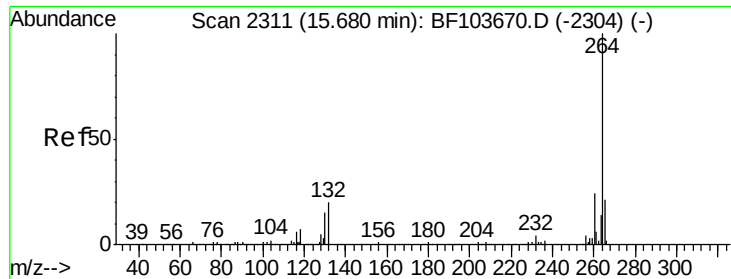
Delta R.T. 0.02 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Tgt Ion:	276	Resp:	216094
Ion Ratio	Lower	Upper	
276	100		
138	24.9	25.0	37.6#
277	25.1	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103793.D

Acq: 20 Mar 2018 9:02

Instrument :

BNA_F

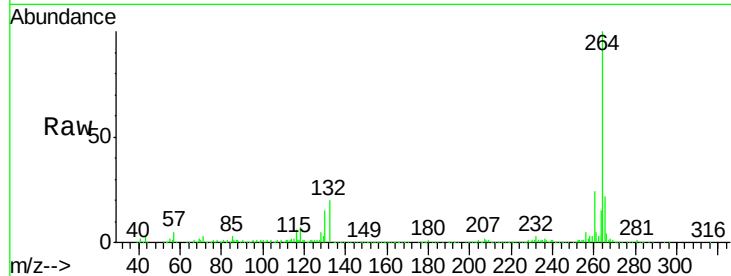
ClientSampled :

COMP-1

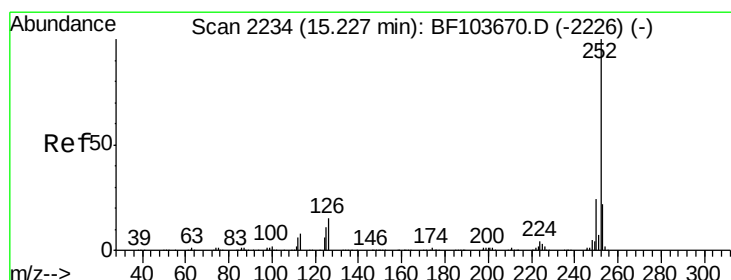
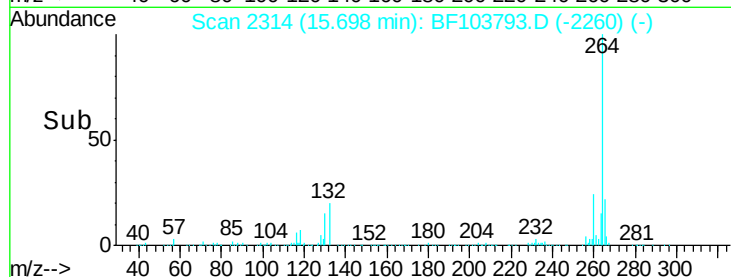
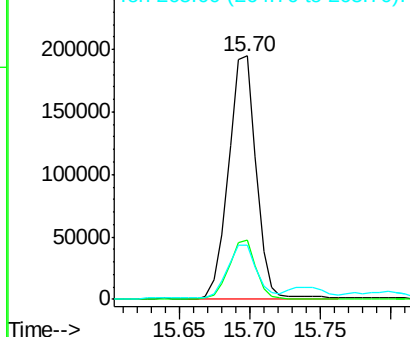
Tot Ion:	264	Resp:	264709
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	22.2	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 32.111 ng m

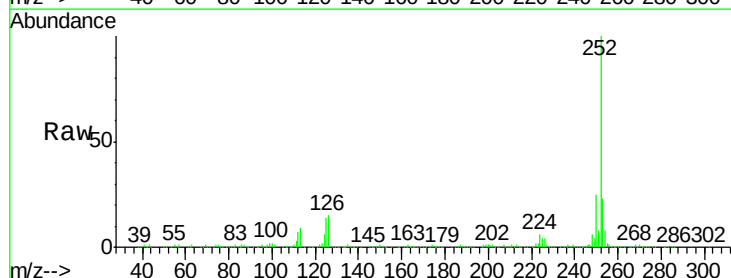
RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

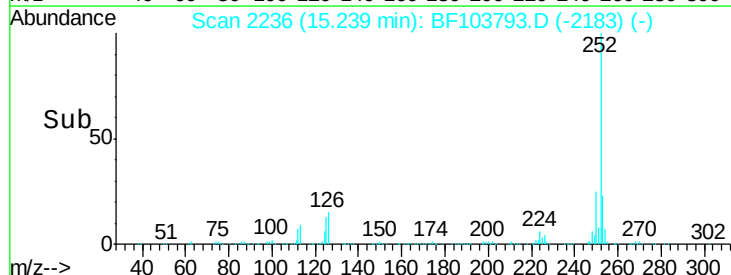
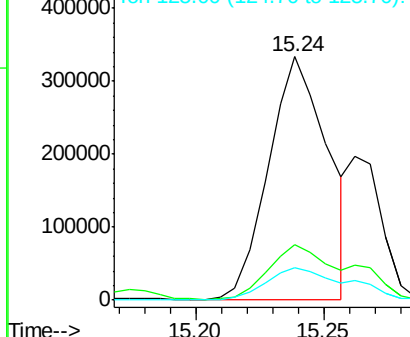
Lab File: BF103793.D

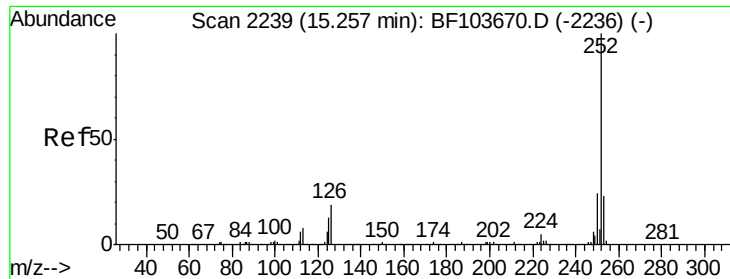
Acq: 20 Mar 2018 9:02

Tgt Ion:	252	Resp:	537011
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	13.6	9.0	13.6



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





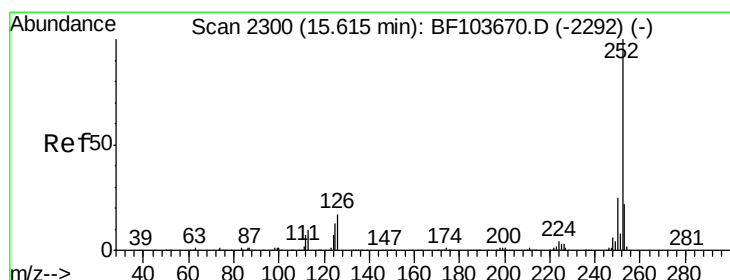
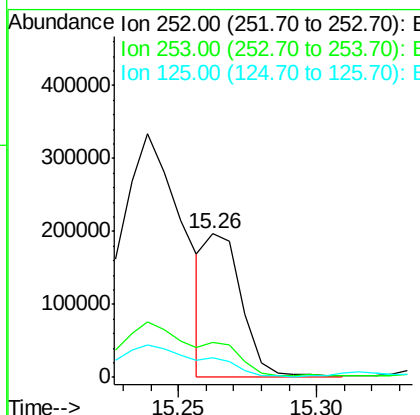
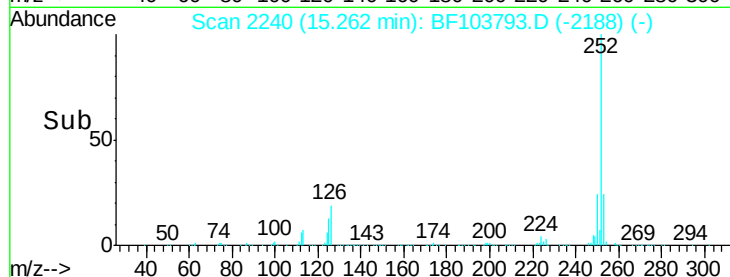
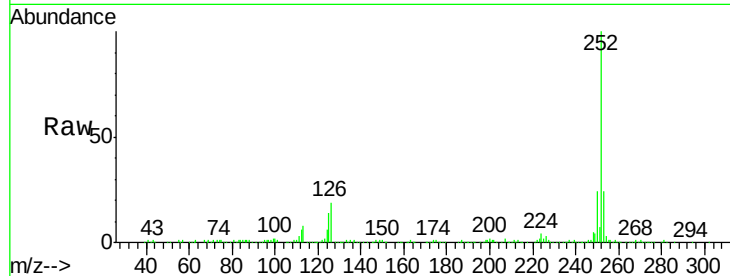
#88
Benzo(k)fluoranthene
Concen: 11.108 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Instrument :
BNA_F
ClientSampled :
COMP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	13.9	10.2	15.2

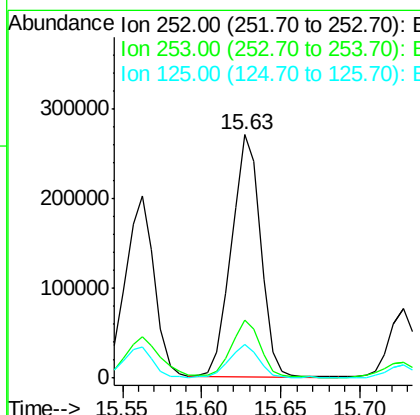
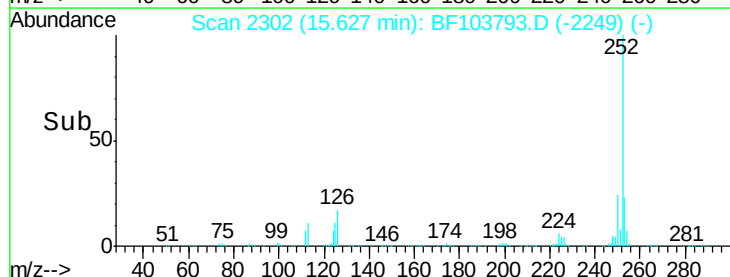
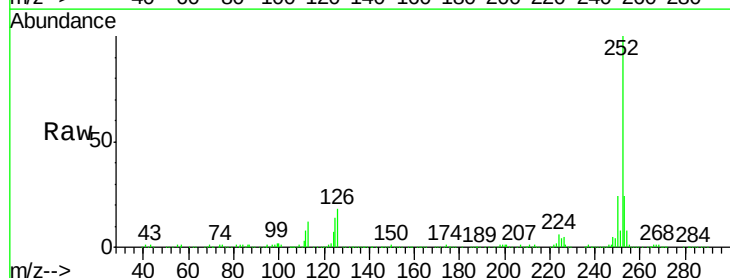
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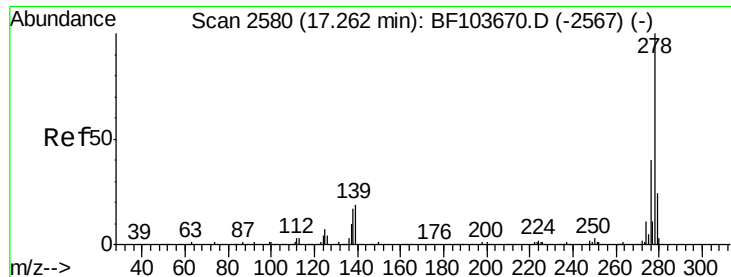
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#89
Benzo(a)pyrene
Concen: 22.758 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	13.8	9.8	14.6





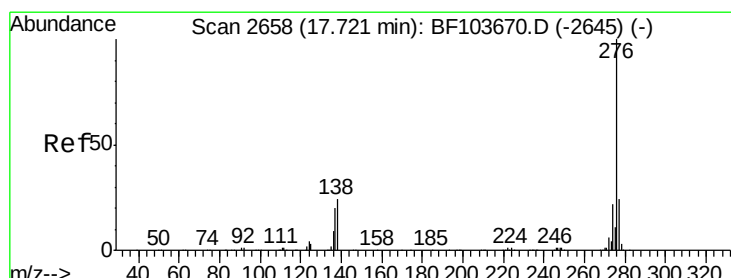
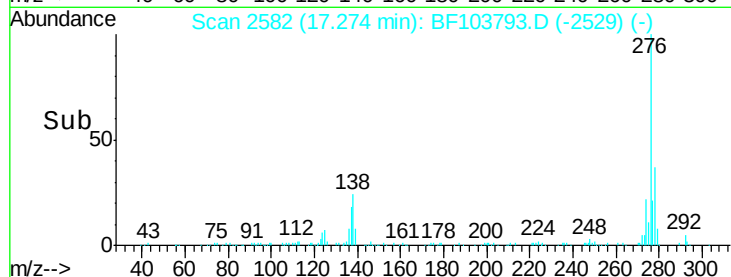
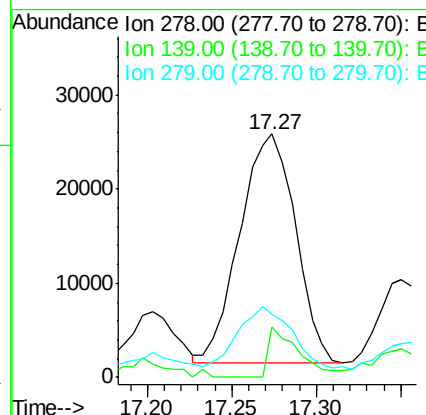
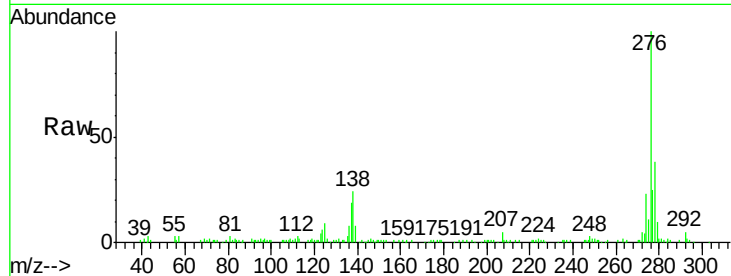
#90
Dibenzo(a,h)anthracene
Concen: 4.257 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.01 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.9	23.9
279	25.7	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 15.477 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.02 min
Lab File: BF103793.D
Acq: 20 Mar 2018 9:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	24.5	21.8	32.8

