

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101897.D
 Acq On : 4 Jan 2018 18:08
 Operator : SJ/JU
 Sample : J1033-06 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3(10)

Manual Integrations
 APPROVED

Sohil
 1/5/2018 10:29:33 AM

Quant Time: Jan 05 00:30:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	123613	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	438383	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	151259	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	251745	20.00	ng	0.00
75) Chrysene-d12	13.96	240	276053	20.00	ng	0.00
86) Perylene-d12	15.43	264	234800	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	192943	23.25	ng	0.02
7) Phenol-d6	6.44	99	247090	23.92	ng	0.02
23) Nitrobenzene-d5	7.36	82	141749	18.00	ng	0.01
41) 2,4,6-Tribromophenol	10.62	330	25215	17.30	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	175204	17.97	ng	0.00
78) Terphenyl-d14	12.88	244	159972	13.97	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.84	154	48902	5.021	ng	99
54) Dibenzofuran	10.02	168	35696	2.884	ng	98
57) Fluorene	10.36	166	46769	4.466	ng	97
70) Phenanthrene	11.33	178	794495	56.750	ng	99
71) Anthracene	11.38	178	150078	10.495	ng	97
72) Carbazole	11.55	167	58832	4.394	ng	99
74) Fluoranthene	12.52	202	923727	62.860	ng	99
77) Pyrene	12.76	202	998790	48.209	ng	100
80) Benzo(a)anthracene	13.94	228	541300	29.696	ng	98
82) Chrysene	13.99	228	527962	30.676	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	154484	10.080	ng	# 91
87) Benzo(b)fluoranthene	15.00	252	535966m	37.450	ng	
88) Benzo(k)fluoranthene	15.03	252	117350m	8.433	ng	
89) Benzo(a)pyrene	15.37	252	344316	26.098	ng	97
90) Dibenzo(a,h)anthracene	16.90	278	51726m	4.566	ng	
91) Benzo(g,h,i)perylene	17.36	276	144032	12.841	ng	96

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

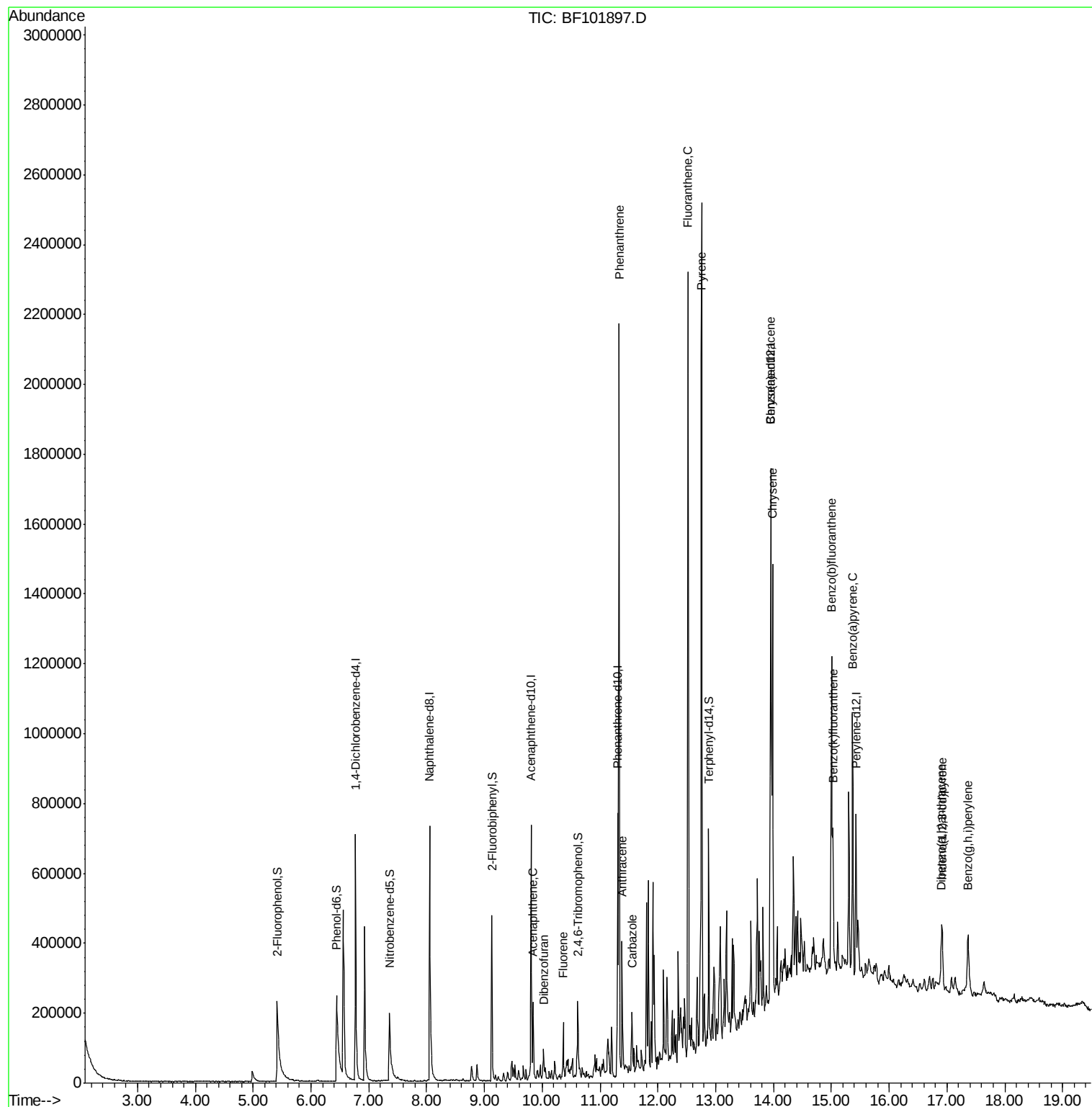
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
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ALS Vial : 13 Sample Multiplier: 1

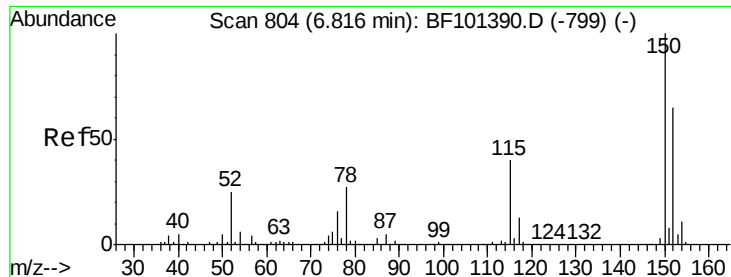
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#1

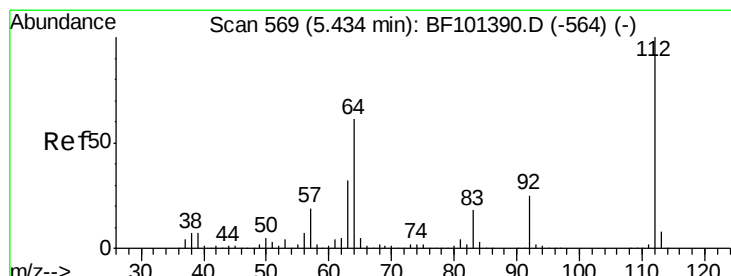
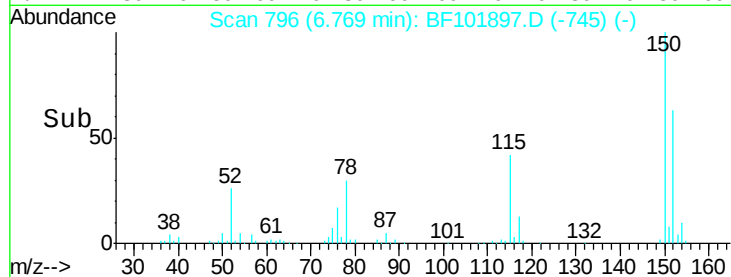
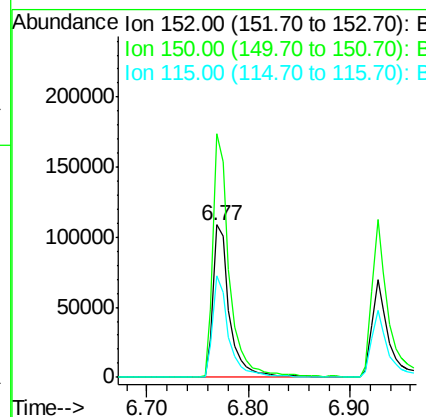
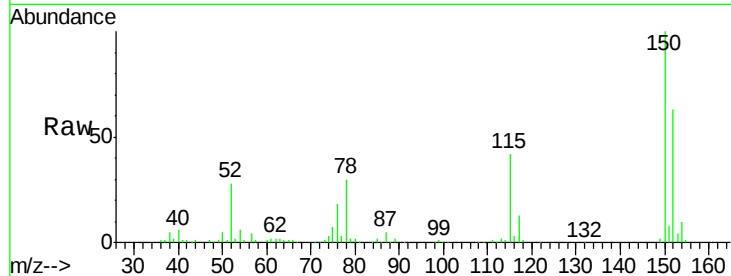
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Instrument :
BNA_F
ClientSampled :
B-3(10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	66.6	50.1	75.1

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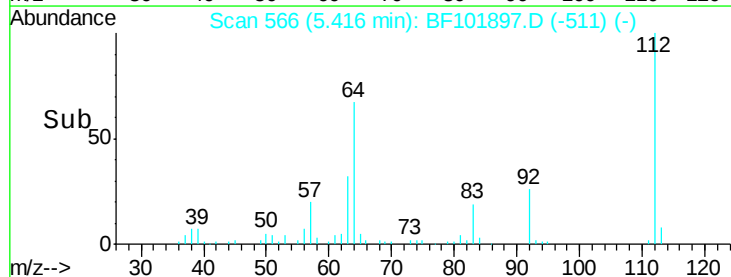
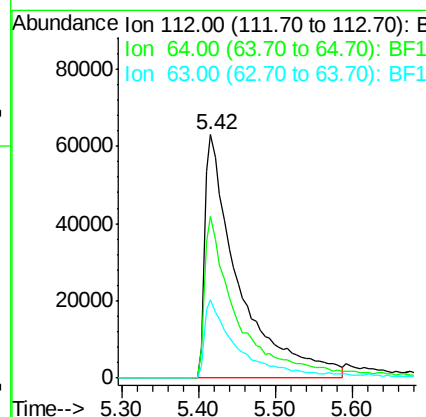
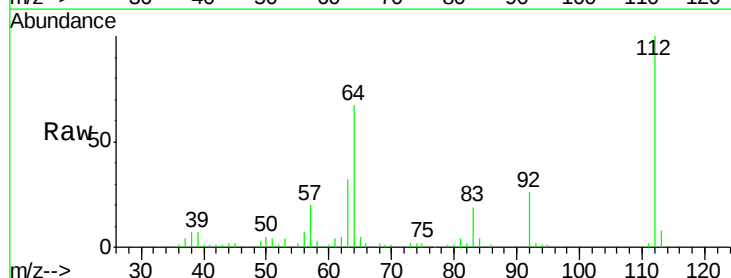
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#5

2-Fluorophenol
Concen: 23.250 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.02 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	47.9	71.9
63	32.2	23.7	35.5





#7

Phenol-d6

Concen: 23.925 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Instrument :

BNA_F

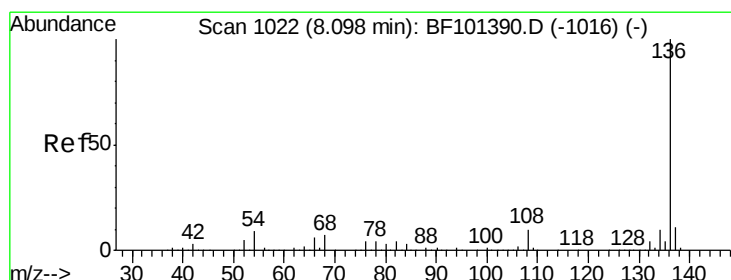
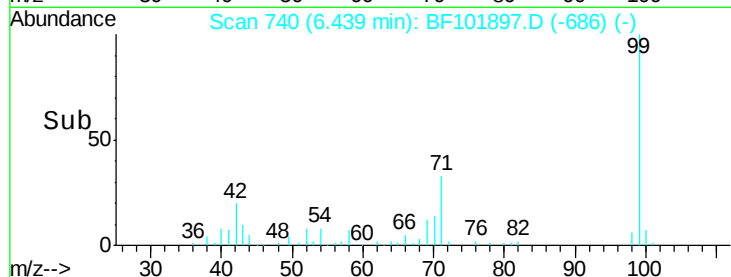
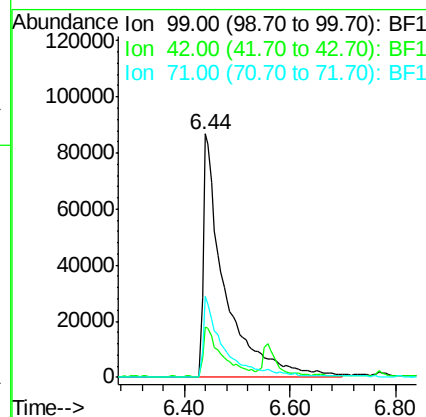
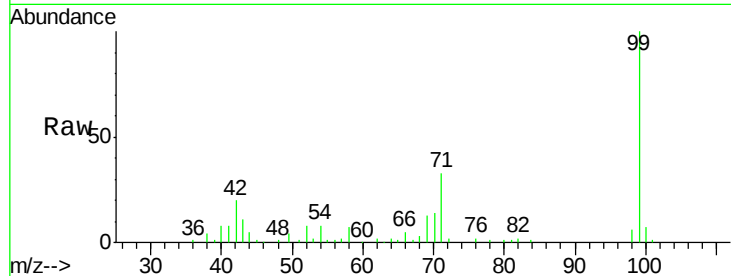
ClientSampled :

B-3(10)

Tot Ion:	99	Resp:	247090
Ion Ratio	Lower	Upper	
99	100		
42	20.5	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

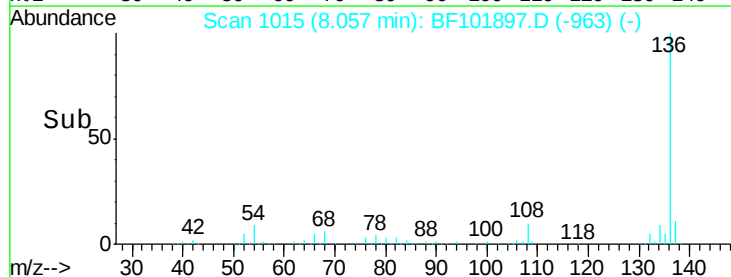
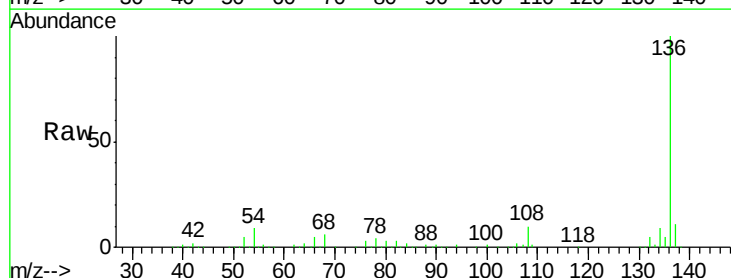
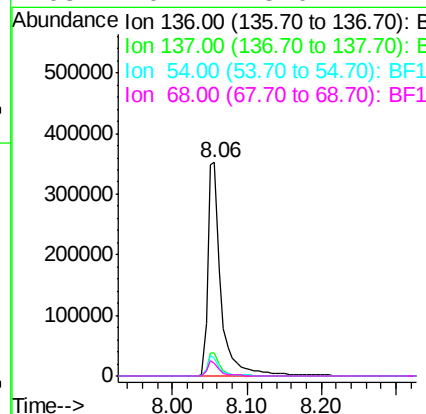
RT: 8.06 min Scan# 1015

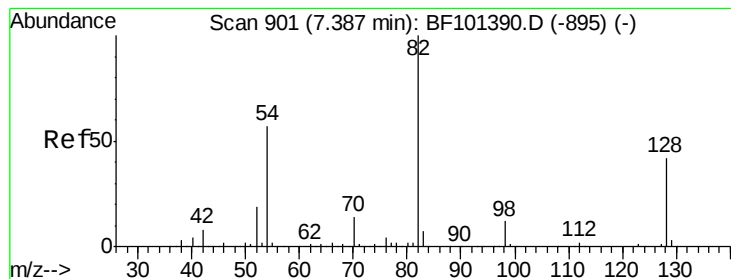
Delta R.T. 0.01 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Tgt Ion:	136	Resp:	438383
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.5	6.6	9.8
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 17.999 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.01 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Instrument :

BNA_F

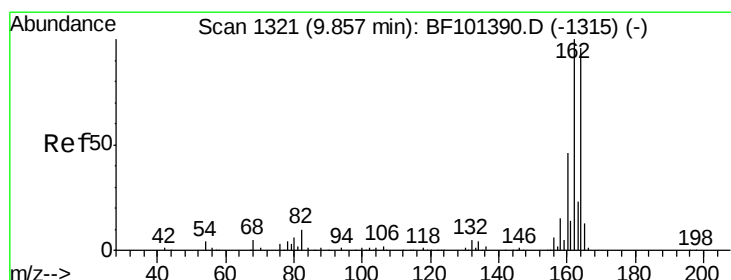
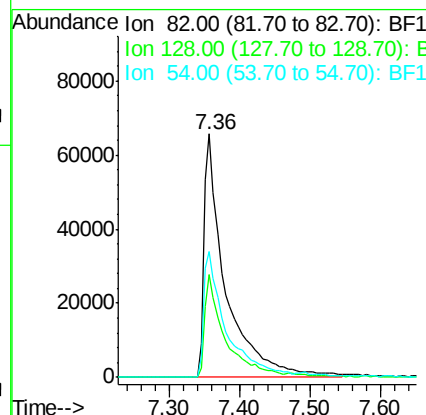
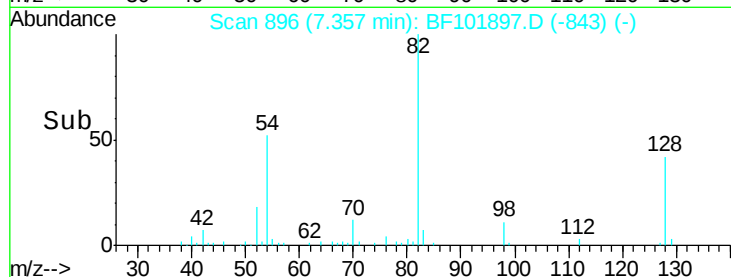
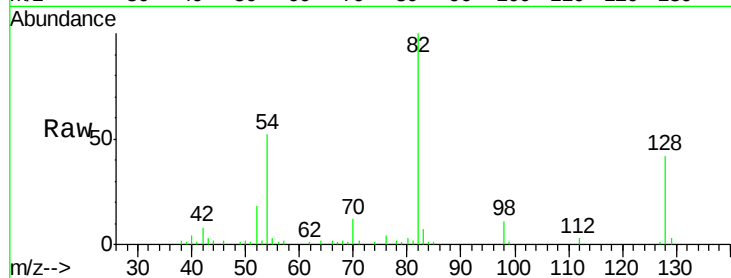
ClientSampled :

B-3(10)

Tot Ion:	82	Resp:	141749
Ion Ratio	Lower	Upper	
82	100		
128	42.2	36.1	54.1
54	51.5	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

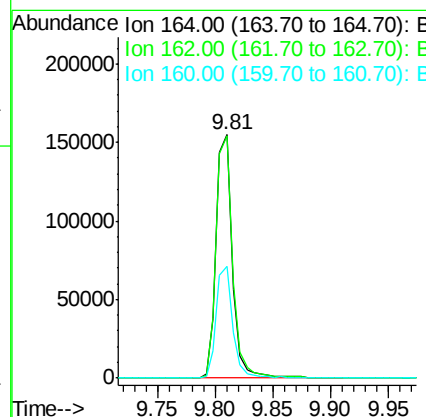
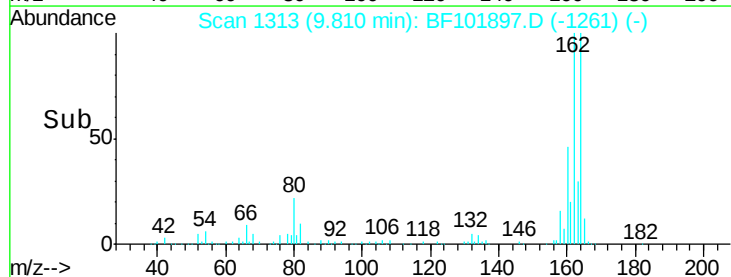
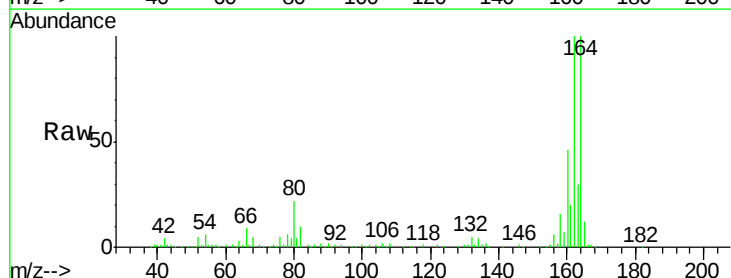
RT: 9.81 min Scan# 1313

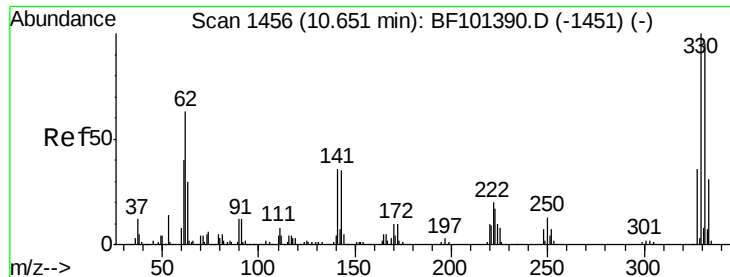
Delta R.T. 0.01 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Tgt Ion:	164	Resp:	151259
Ion Ratio	Lower	Upper	
164	100		
162	99.5	86.1	129.1
160	46.1	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 17.300 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Instrument :

BNA_F

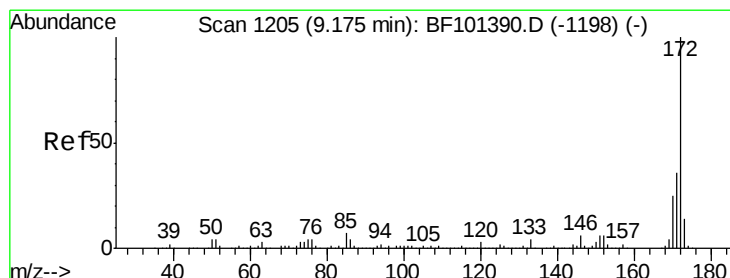
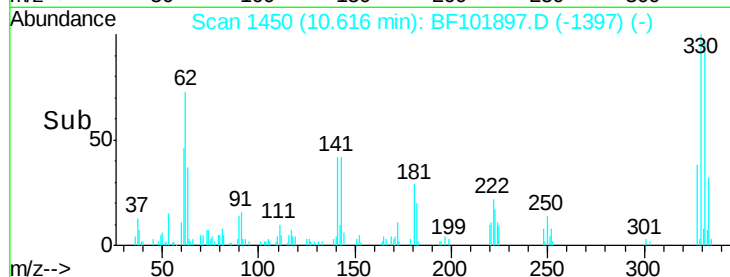
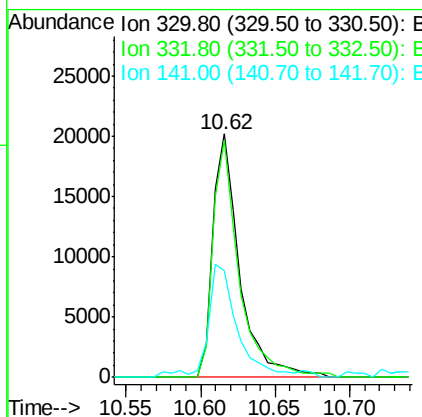
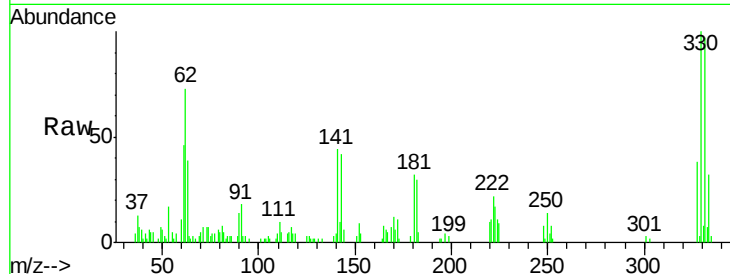
ClientSampled :

B-3(10)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	52.4	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 17.968 ng

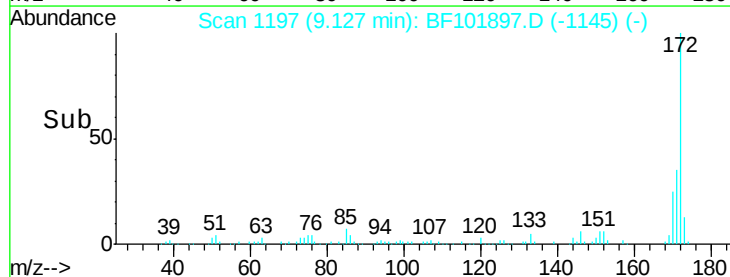
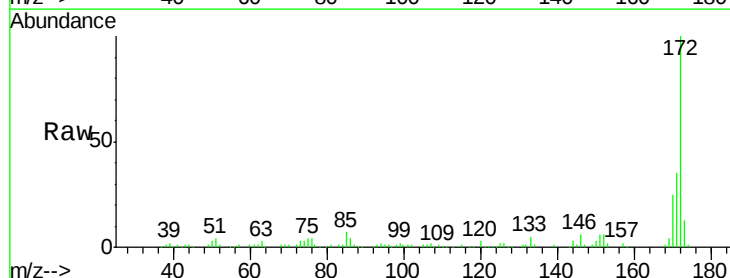
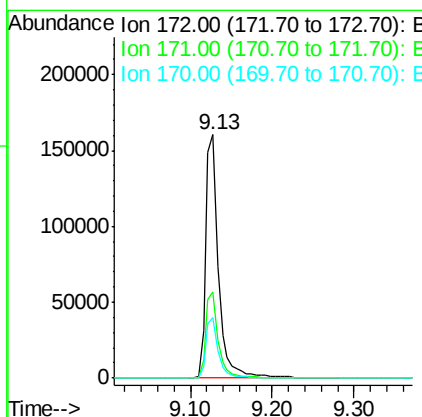
RT: 9.13 min Scan# 1197

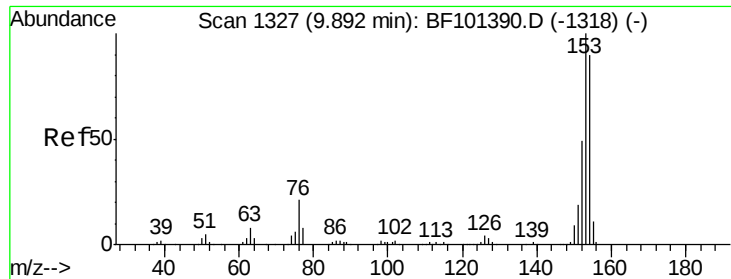
Delta R.T. 0.01 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.9	19.6	29.4





#51

Acenaphthene

Concen: 5.021 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Instrument :

BNA_F

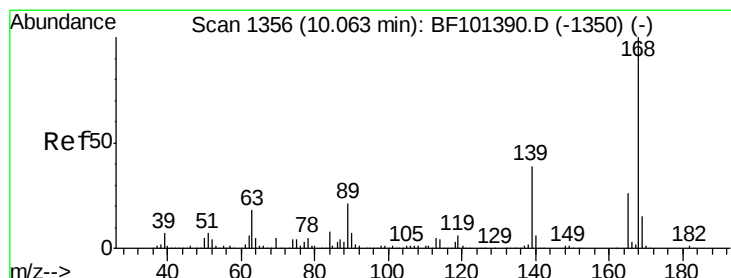
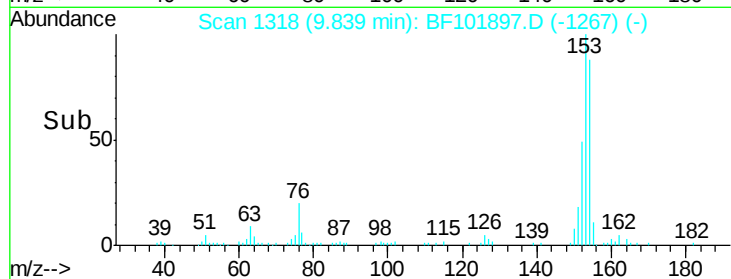
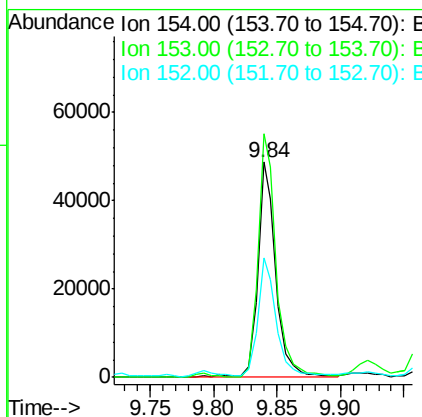
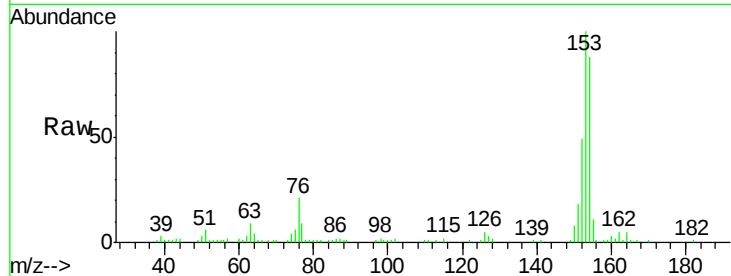
ClientSampleId :

B-3(10)

Tot Ion:	154	Resp:	48902
Ion Ratio	Lower	Upper	
154	100		
153	113.3	91.2	136.8
152	55.8	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 2.884 ng

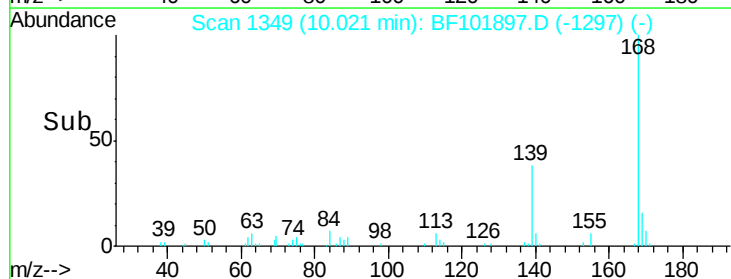
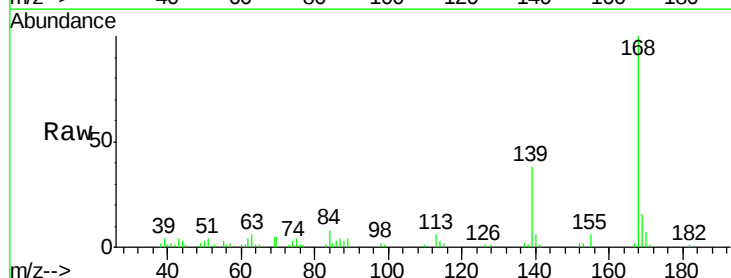
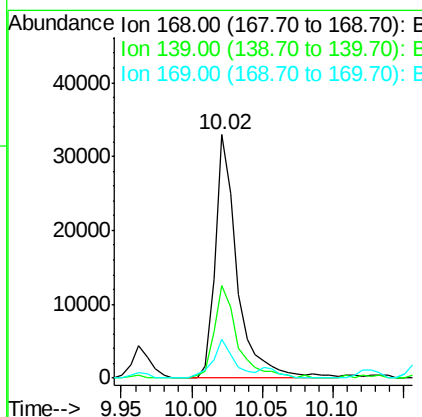
RT: 10.02 min Scan# 1349

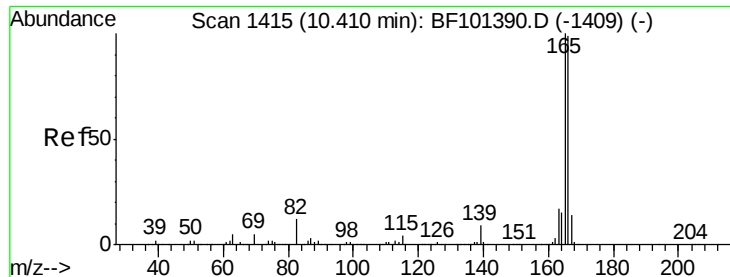
Delta R.T. 0.01 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Tgt Ion:	168	Resp:	35696
Ion Ratio	Lower	Upper	
168	100		
139	38.2	30.1	45.1
169	16.0	10.9	16.3





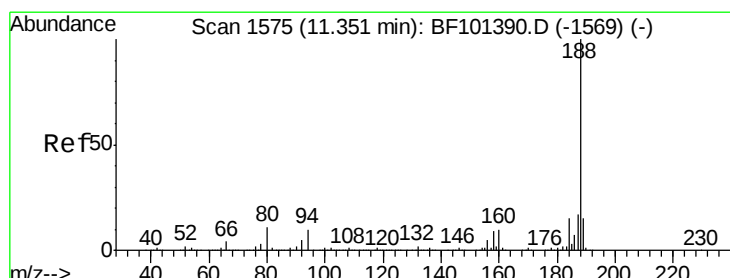
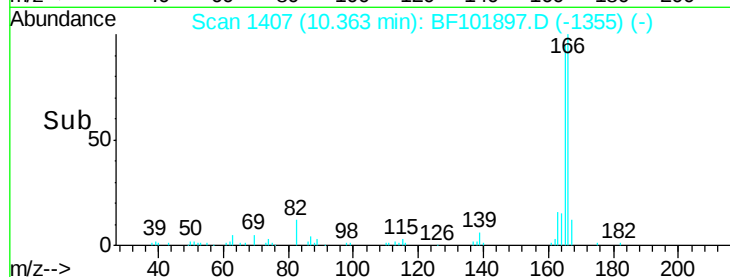
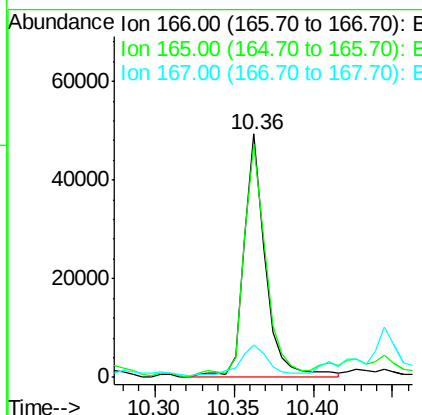
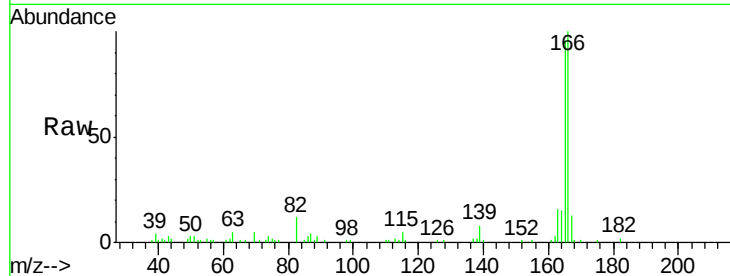
#57
Fluorene
Concen: 4.466 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.01 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Instrument :
BNA_F
ClientSampleId :
B-3(10)

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.9	79.8	119.8
167	13.2	10.6	16.0

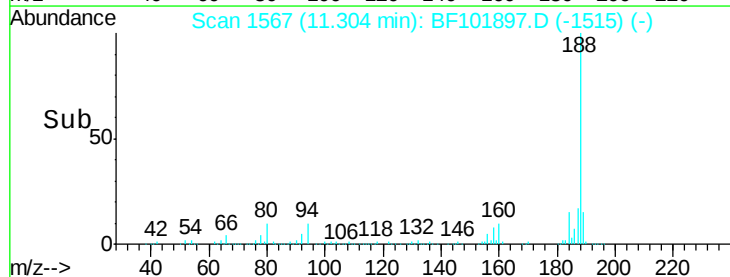
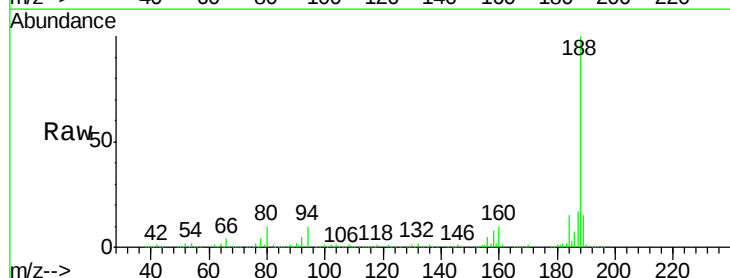
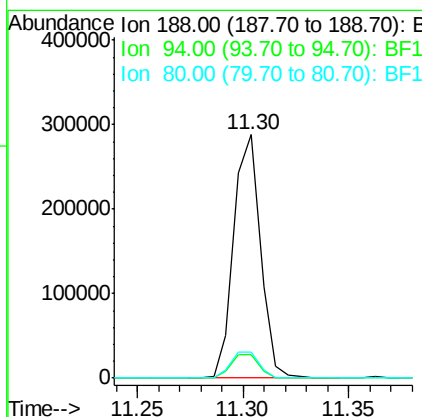
Manual Integrations
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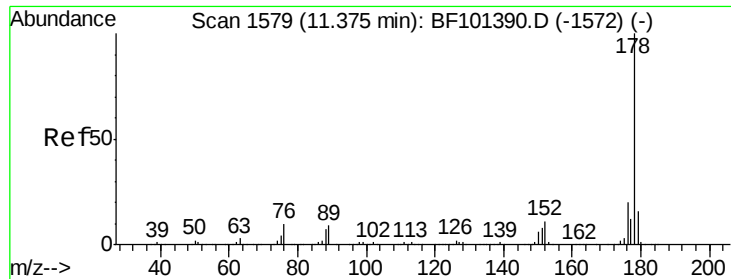
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.5	9.2	13.8





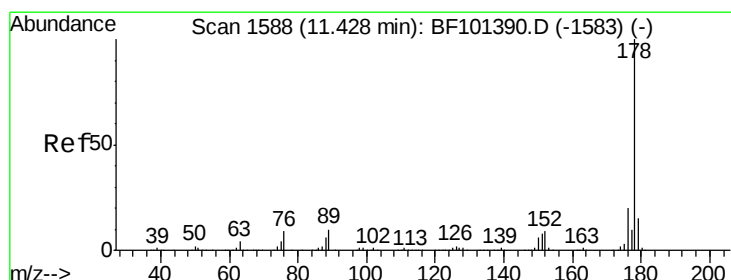
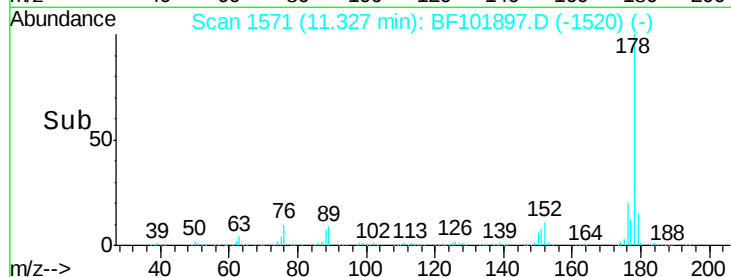
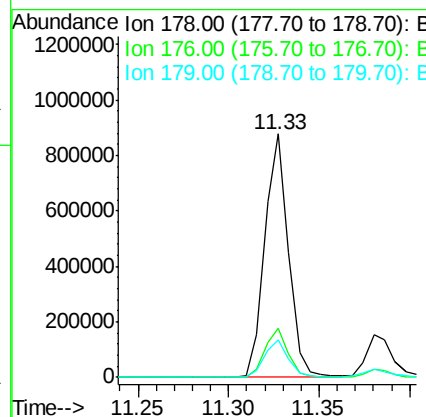
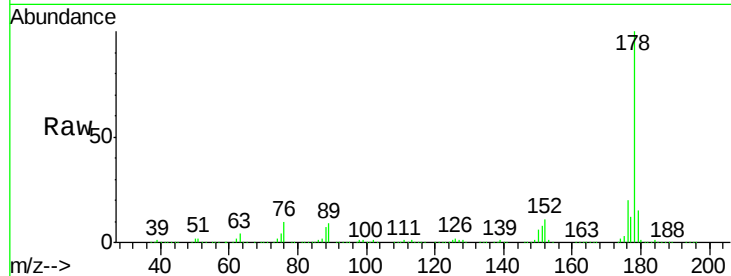
#70
Phenanthrene
Concen: 56.750 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Instrument :
BNA_F
ClientSampled :
B-3(10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.5	13.0	19.6

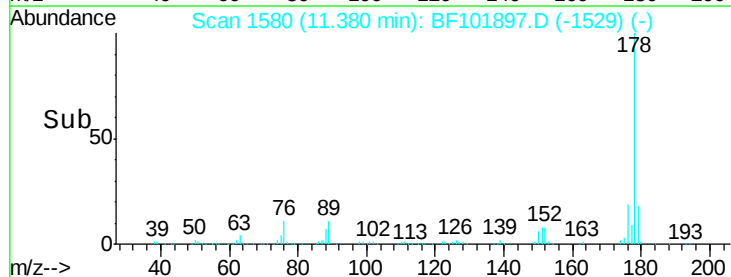
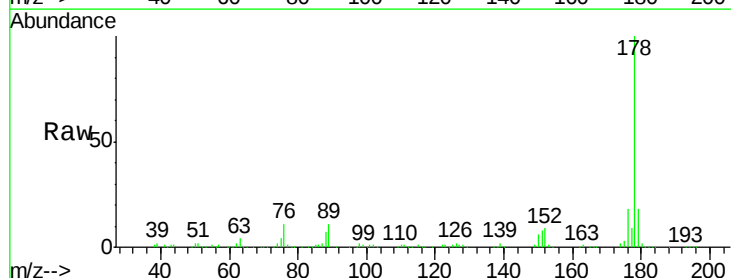
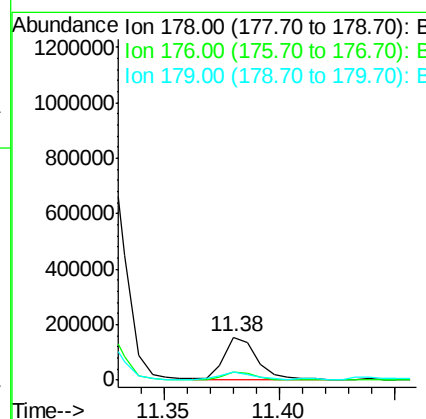
Manual Integrations
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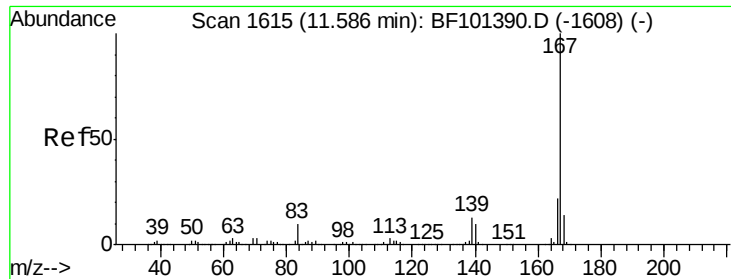
Sohil
1/5/2018 10:29:33 AM



#71
Anthracene
Concen: 10.495 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	18.0	12.6	19.0





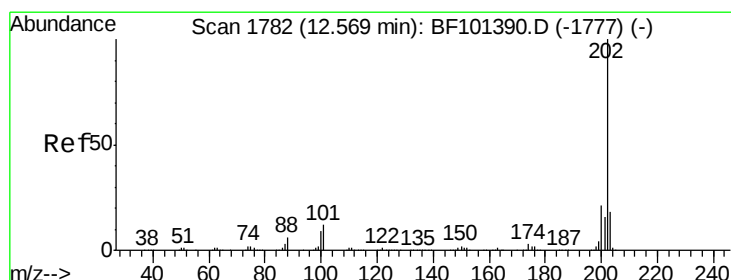
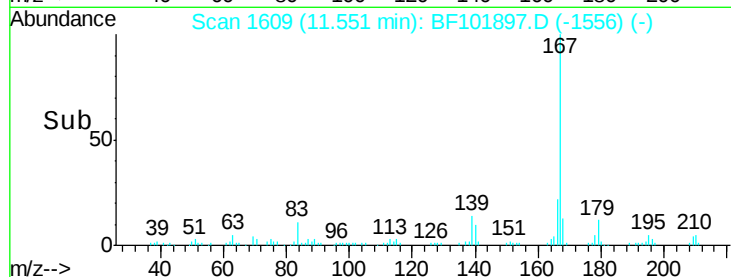
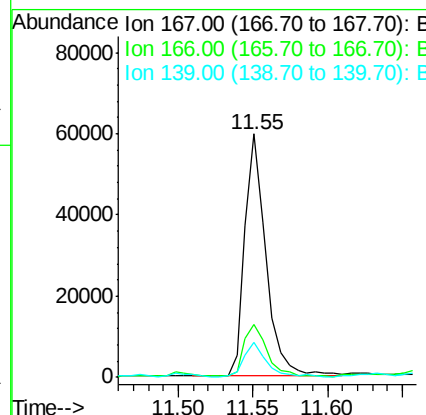
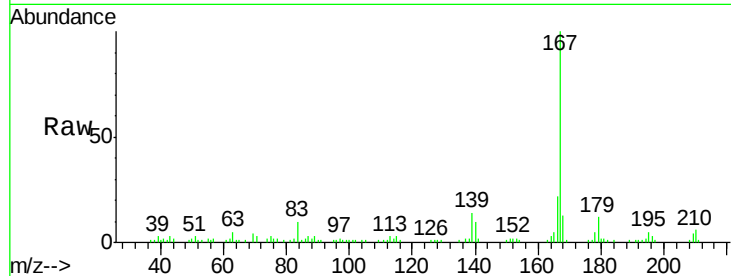
#72
 Carbazole
 Concen: 4.394 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF101897.D
 Acq: 4 Jan 2018 18:08

Instrument :
 BNA_F
 ClientSampleId :
 B-3(10)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	14.1	10.9	16.3

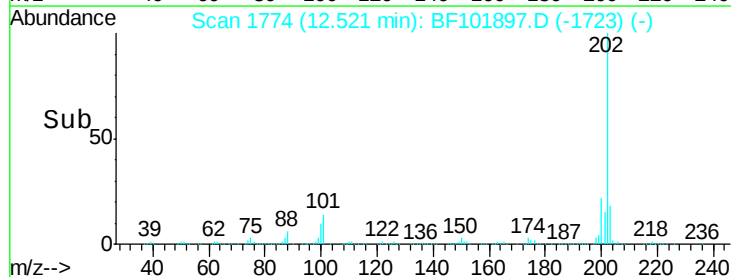
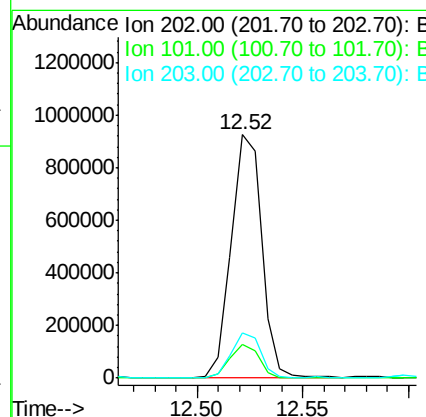
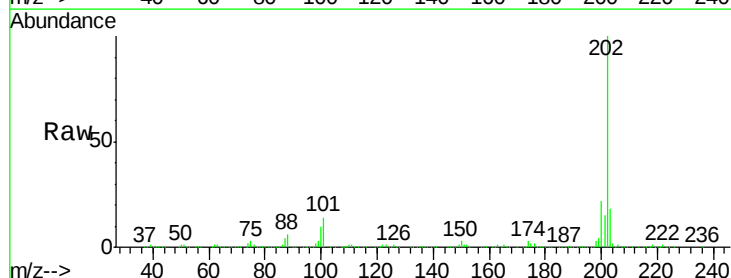
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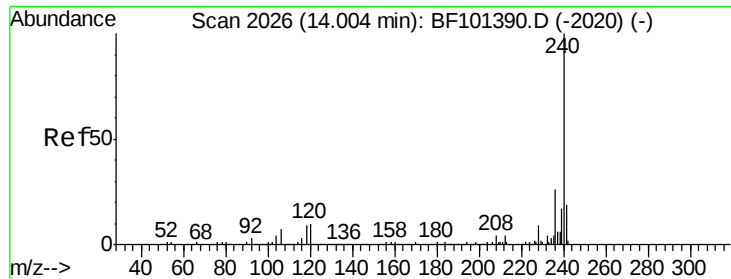
Sohil
 1/5/2018 10:29:33 AM



#74
 Fluoranthene
 Concen: 62.860 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BF101897.D
 Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Instrument :

BNA_F

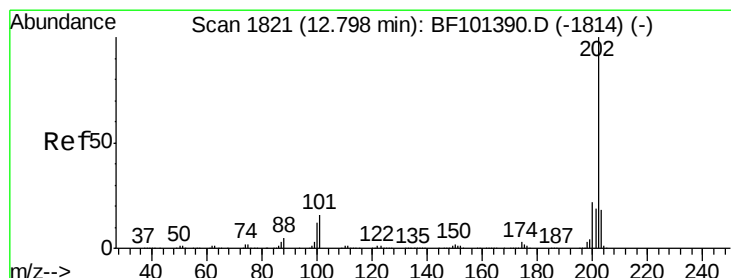
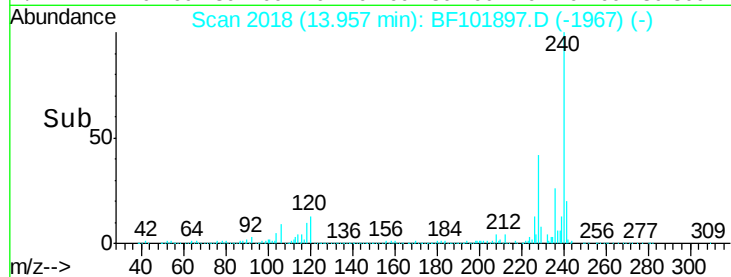
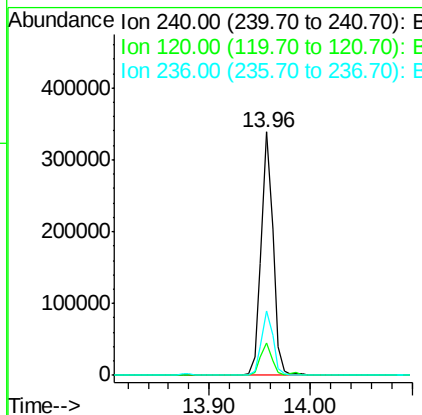
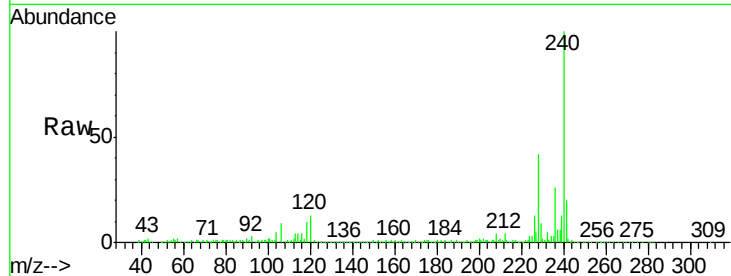
ClientSampleId :

B-3(10)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 48.209 ng

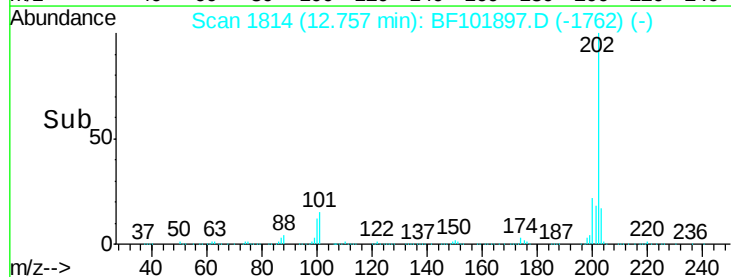
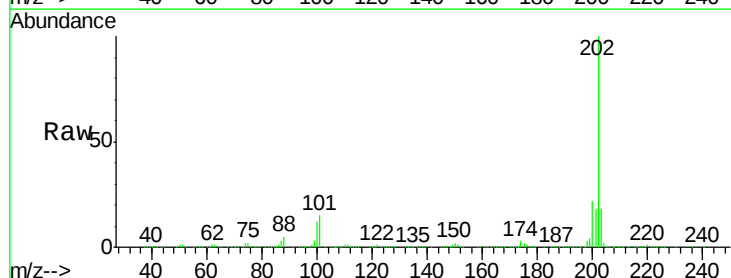
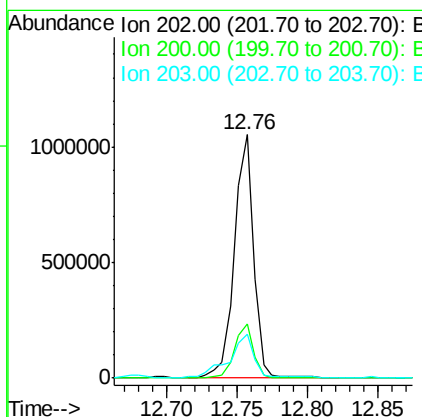
RT: 12.76 min Scan# 1814

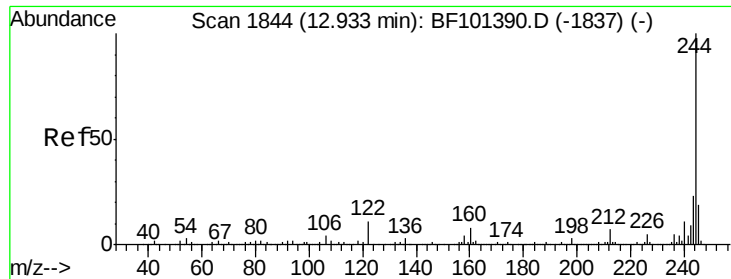
Delta R.T. 0.01 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.9	14.3	21.5





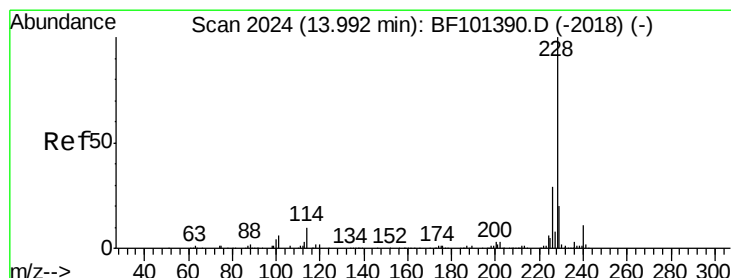
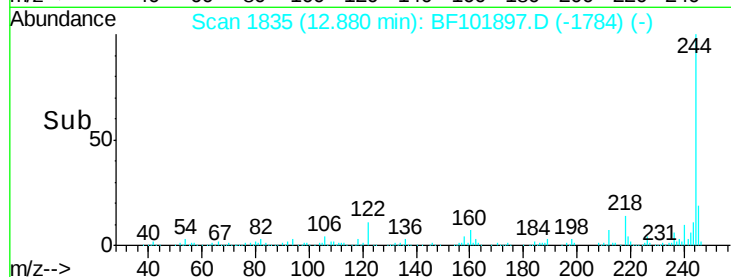
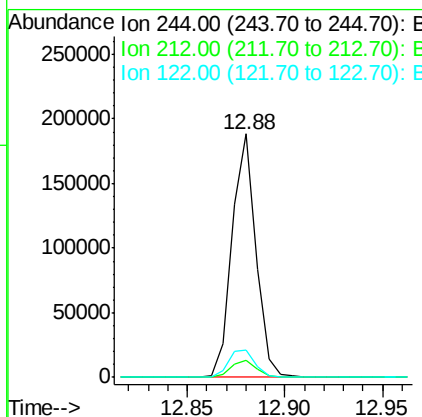
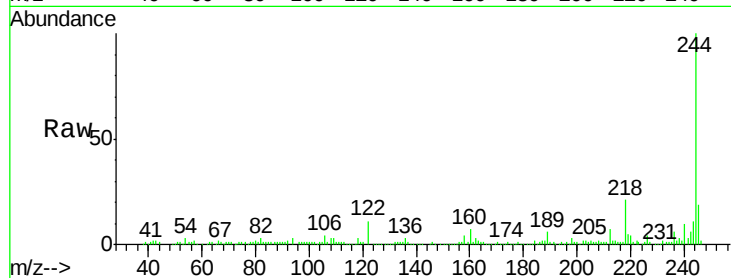
#78
 Terphenyl-d14
 Concen: 13.970 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BF101897.D
 Acq: 4 Jan 2018 18:08

Instrument :
 BNA_F
 ClientSampled :
 B-3(10)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.3	11.0	16.4

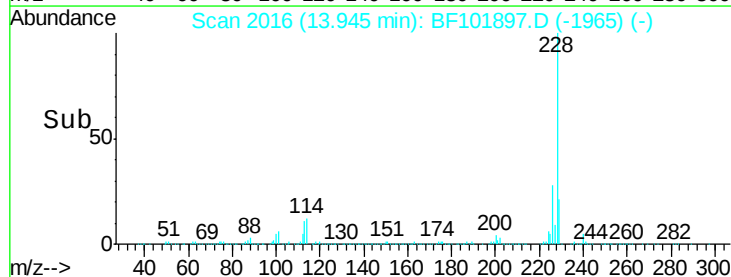
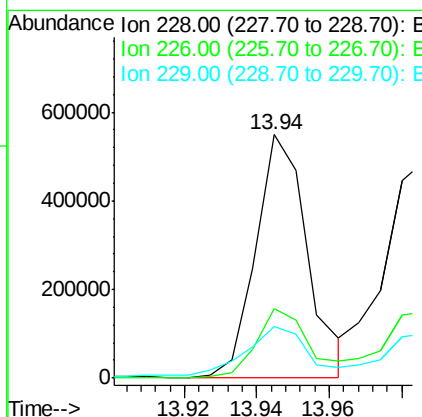
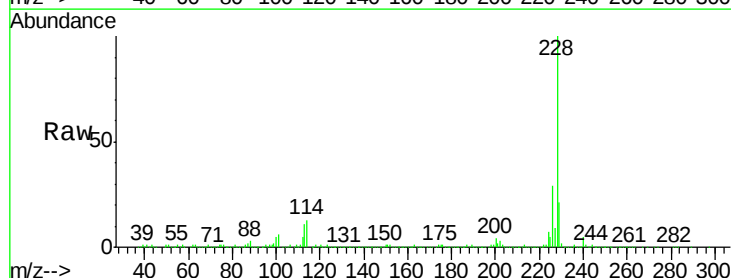
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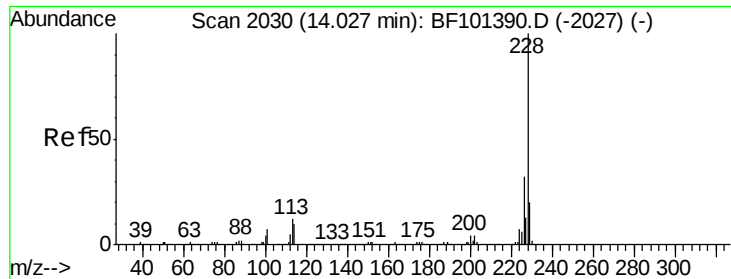
Sohil
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#80
 Benzo(a)anthracene
 Concen: 29.696 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF101897.D
 Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.4	15.8	23.6





#82

Chrysene

Concen: 30.676 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Instrument :

BNA_F

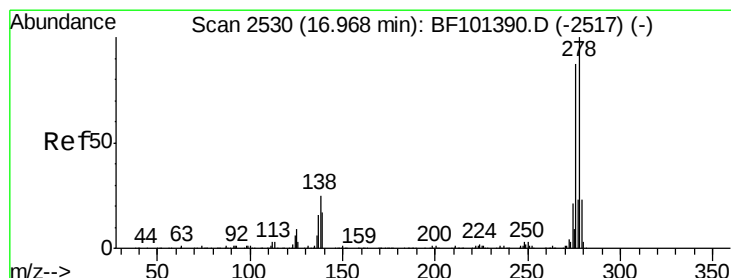
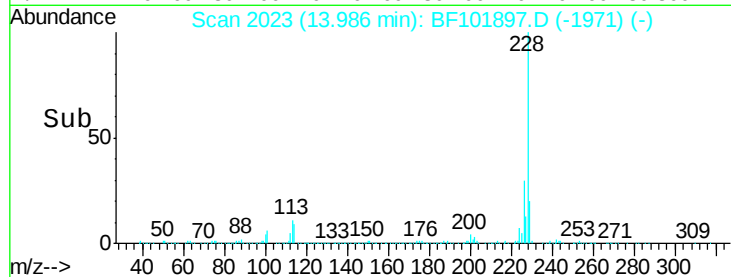
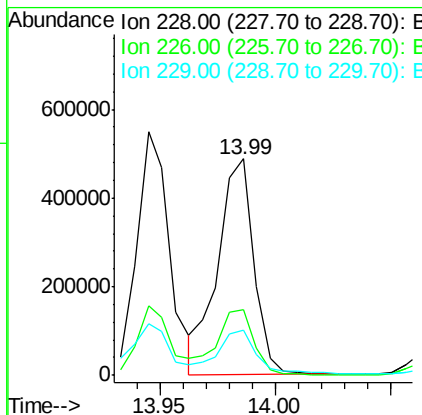
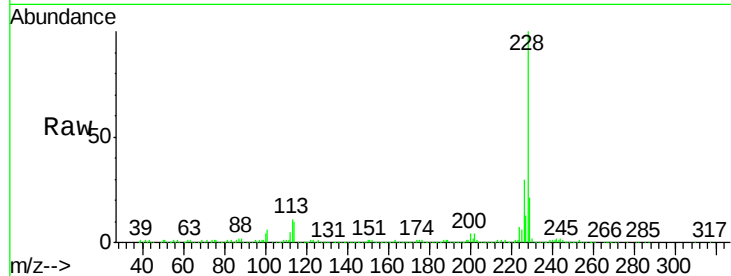
ClientSampled :

B-3(10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	20.7	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.080 ng

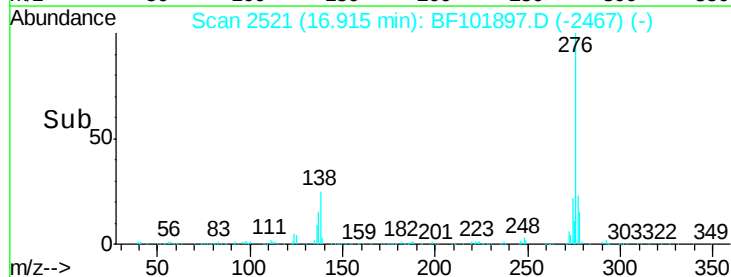
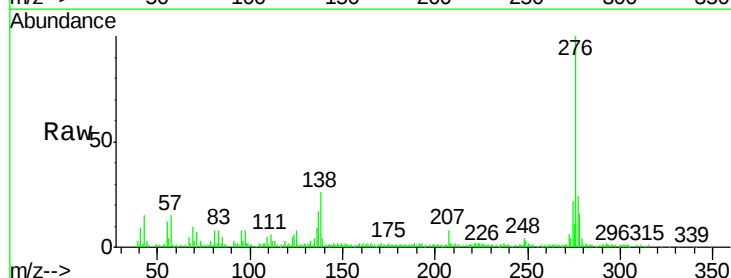
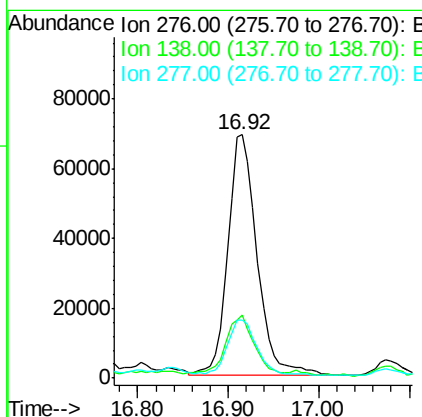
RT: 16.92 min Scan# 2521

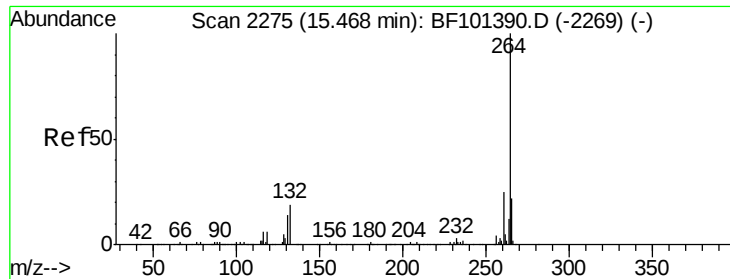
Delta R.T. 0.02 min

Lab File: BF101897.D

Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	25.0	37.6#
277	23.7	20.1	30.1





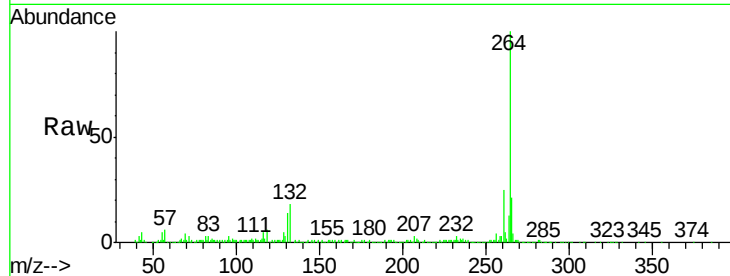
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Instrument :
BNA_F
ClientSampled :
B-3(10)

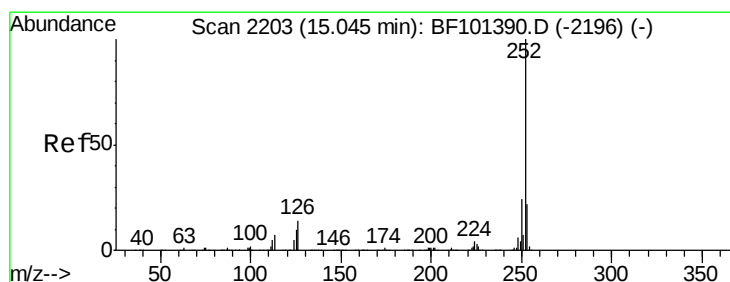
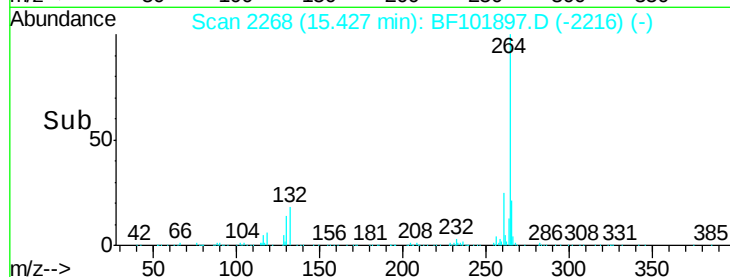
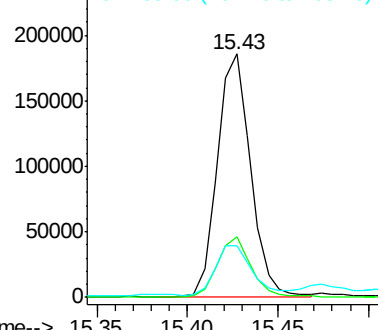
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.4	17.5	26.3

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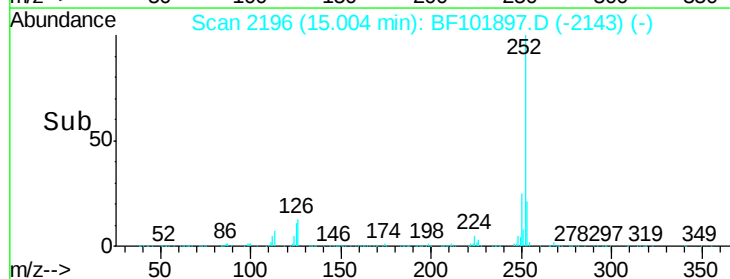
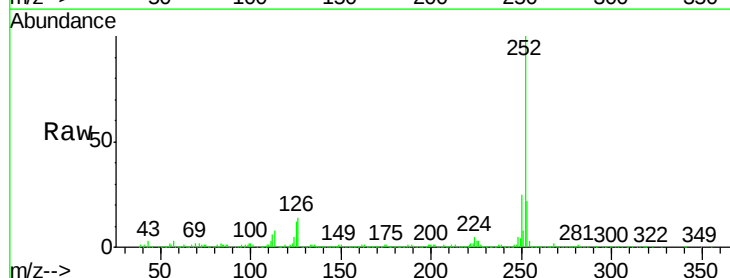
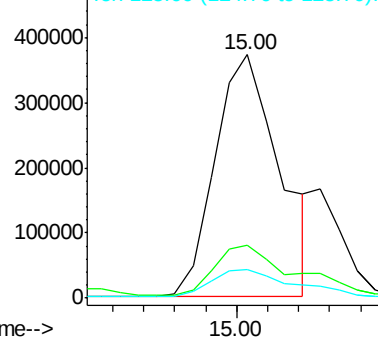
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

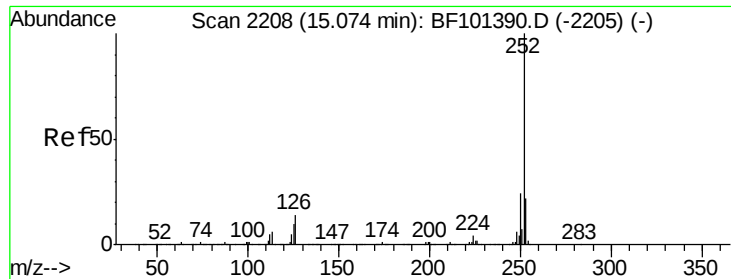


#87
Benzo(b)fluoranthene
Concen: 37.450 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	11.7	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





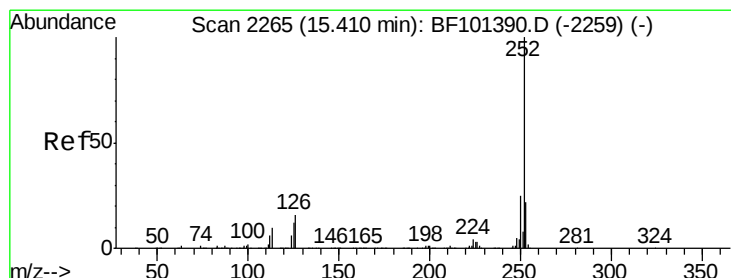
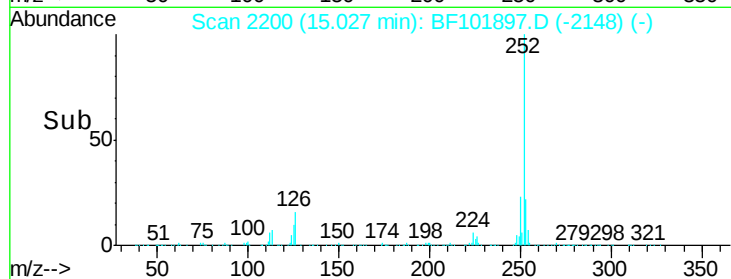
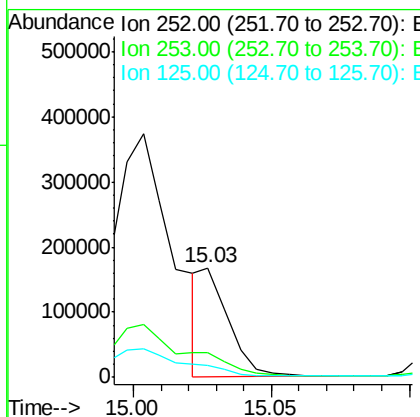
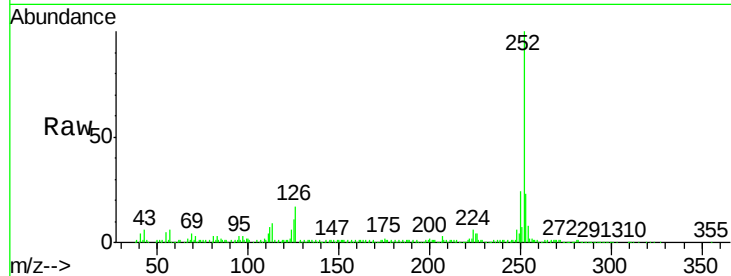
#88
Benzo(k)fluoranthene
Concen: 8.433 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Instrument :
BNA_F
ClientSampled :
B-3(10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.5	10.2	15.2

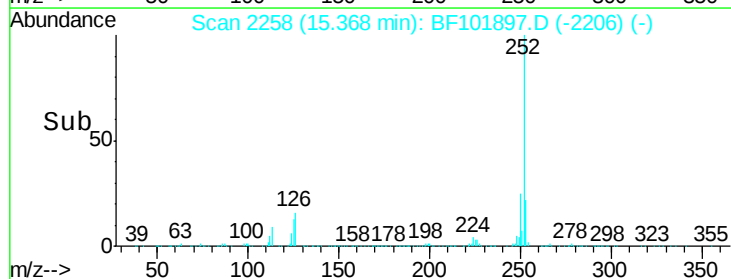
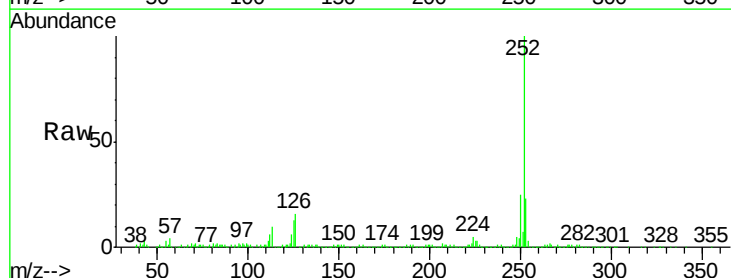
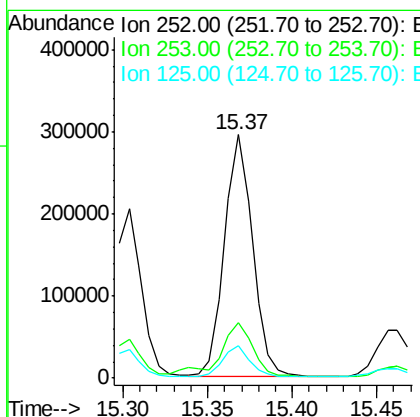
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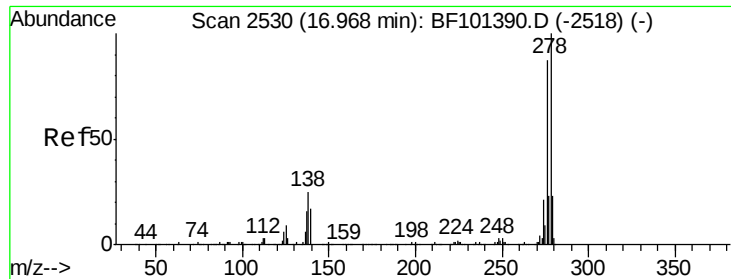
Sohil
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#89
Benzo(a)pyrene
Concen: 26.098 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	13.3	9.8	14.6





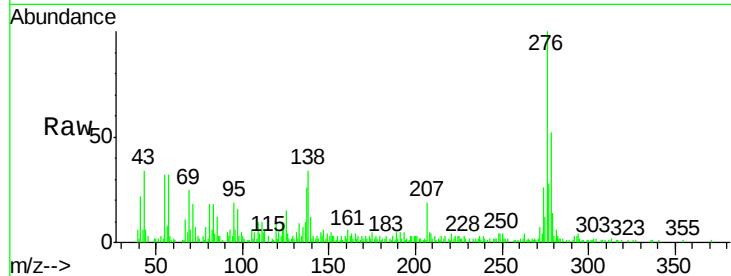
#90
Dibenzo(a,h)anthracene
Concen: 4.566 ng/mL
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Instrument :
BNA_F
ClientSampled :
B-3(10)

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.0	15.9	23.9
279	26.3	19.0	28.4

Manual Integrations
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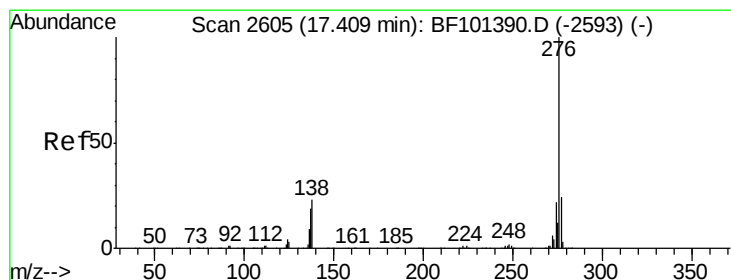
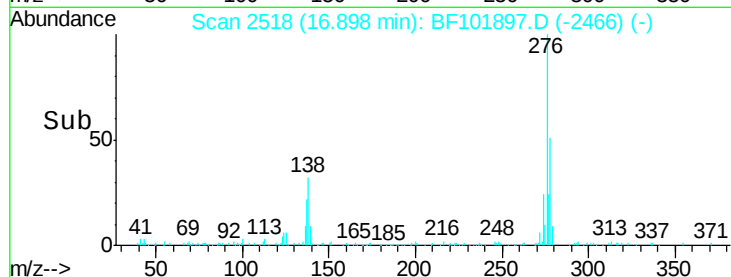
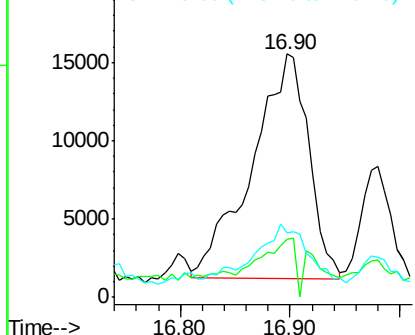


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 12.841 ng/mL
RT: 17.36 min Scan# 2597
Delta R.T. 0.02 min
Lab File: BF101897.D
Acq: 4 Jan 2018 18:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	26.4	21.8	32.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

