

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104038.D
 Acq On : 29 Mar 2018 7:19
 Operator : JU/SJ
 Sample : J2048-01DL 20X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-108(4-5)DL

Manual Integrations
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 3/29/2018 5:37:53 PM

Quant Time: Mar 29 14:03:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	98572	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	408186	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	171946	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	248635	20.00	ng	0.00
75) Chrysene-d12	14.15	240	216878	20.00	ng	0.00
86) Perylene-d12	15.70	264	152045	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	21596m	3.49	ng	0.11
7) Phenol-d6	6.63	99	33809m	4.45	ng	0.03
23) Nitrobenzene-d5	7.54	82	18724	2.81	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	5907	3.09	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	49077	4.50	ng	0.00
78) Terphenyl-d14	13.08	244	36601	3.90	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	852120	42.731	ng	100
37) 2-Methylnaphthalene	8.96	142	267087	20.333	ng	98
70) Phenanthrene	11.53	178	58179	4.322	ng	99
74) Fluoranthene	12.72	202	51865	3.625	ng	97
77) Pyrene	12.95	202	75200	4.823	ng	98
80) Benzo(a)anthracene	14.14	228	32891	2.424	ng	94
82) Chrysene	14.18	228	30445	2.291	ng	96

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

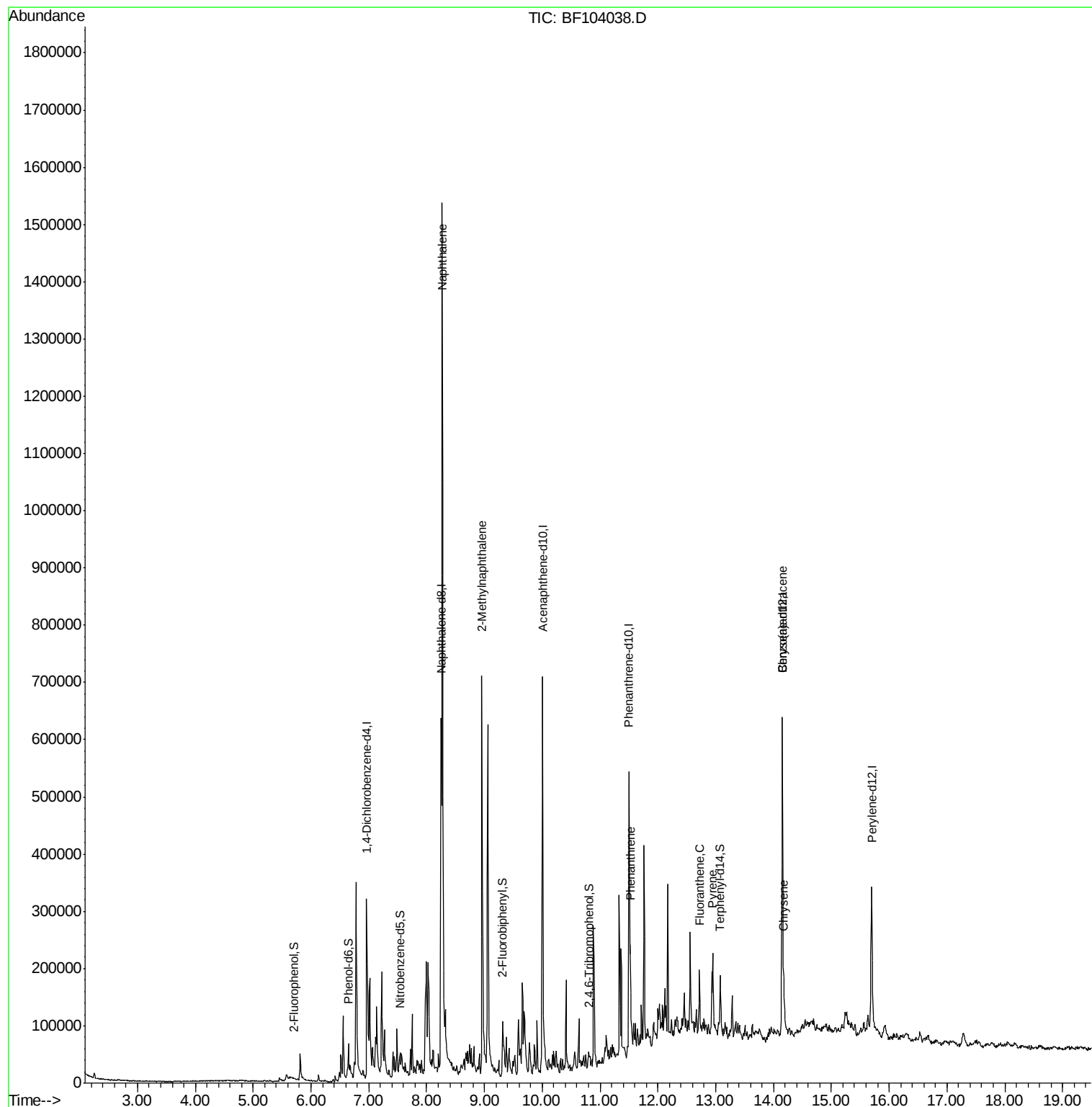
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
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#1

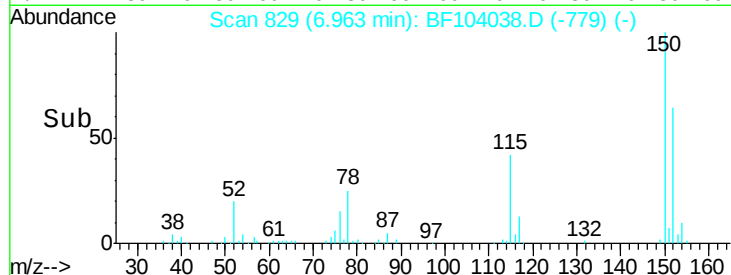
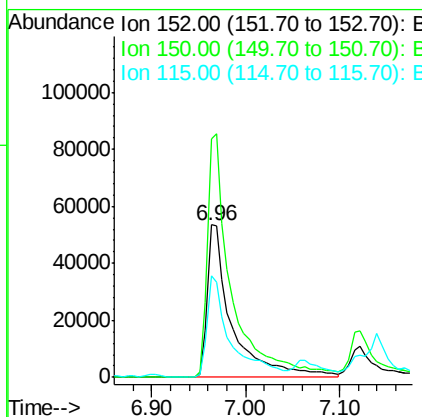
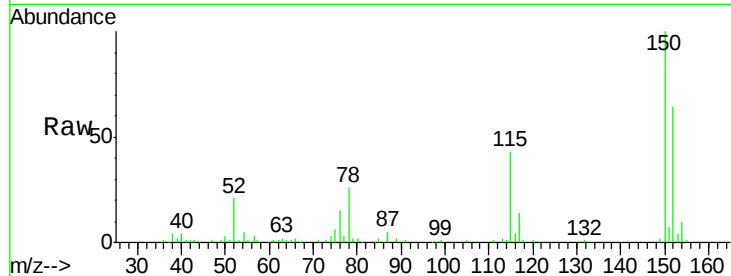
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-108(4-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	66.8	50.1	75.1

Manual Integrations
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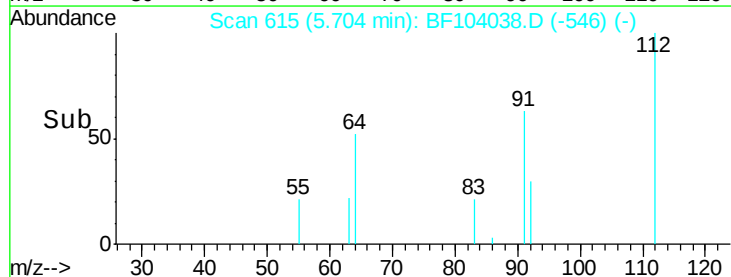
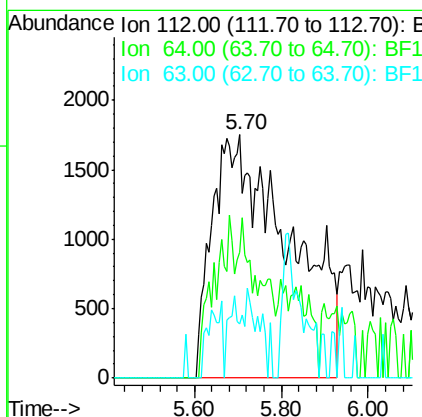
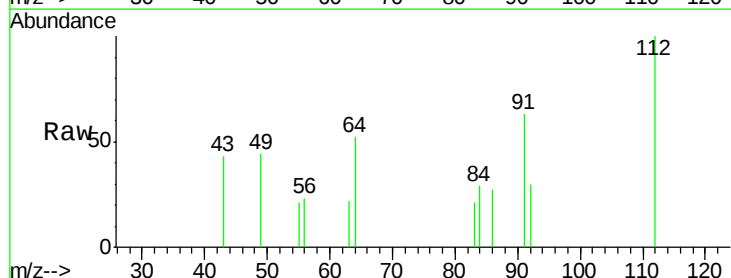
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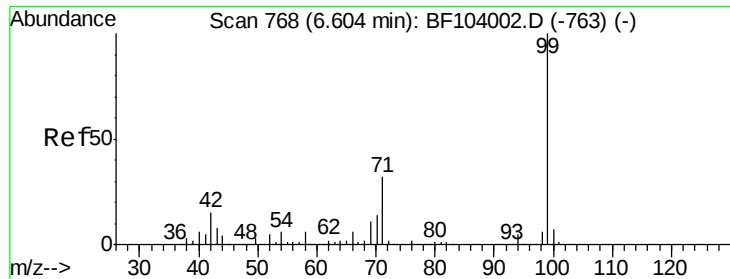


#5

2-Fluorophenol
 Concen: 3.494 ng m
 RT: 5.70 min Scan# 615
 Delta R.T. 0.11 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	47.9	71.9
63	22.3	23.7	35.5#





#7

Phenol-d6

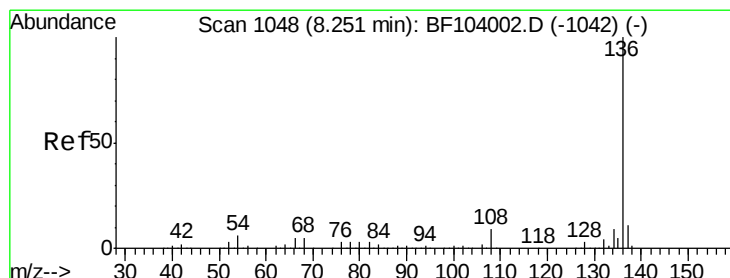
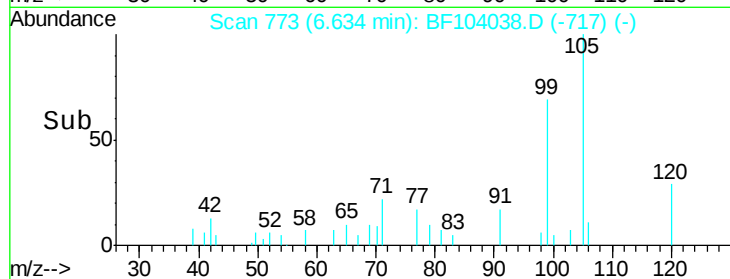
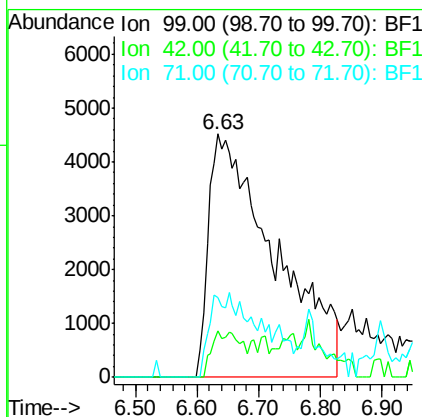
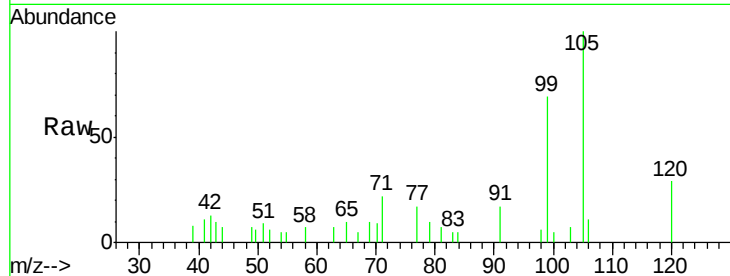
Concen: 4.446 ng/ml
 RT: 6.63 min Scan# 773
 Delta R.T. 0.03 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-108(4-5)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		33809		
42	19.1	14.5	21.7		
71	32.5	25.4	38.0		

Manual Integrations
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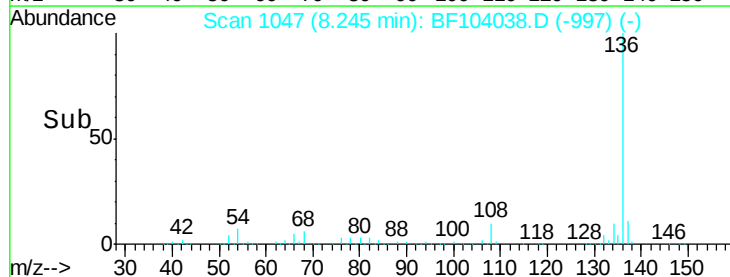
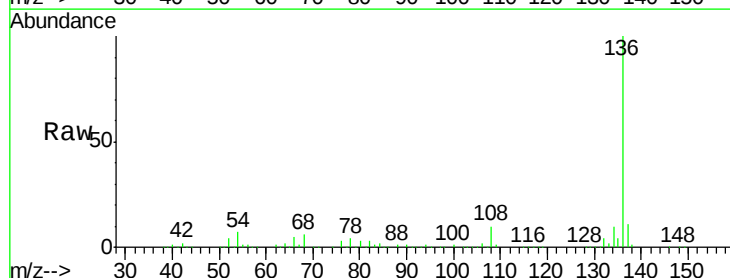
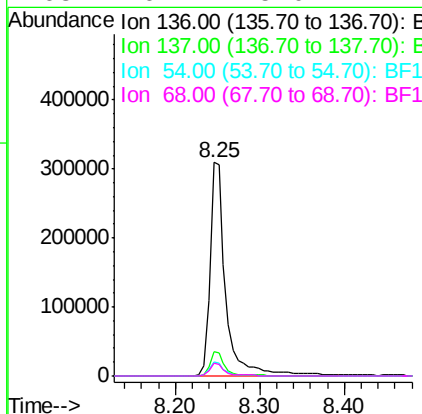


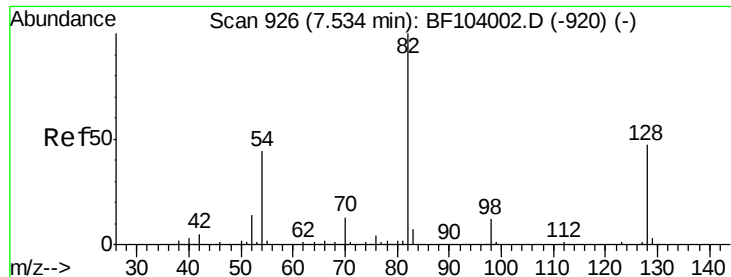
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.25 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		408186		
137	11.3	8.9	13.3		
54	6.9	6.6	9.8		
68	6.1	5.0	7.4		





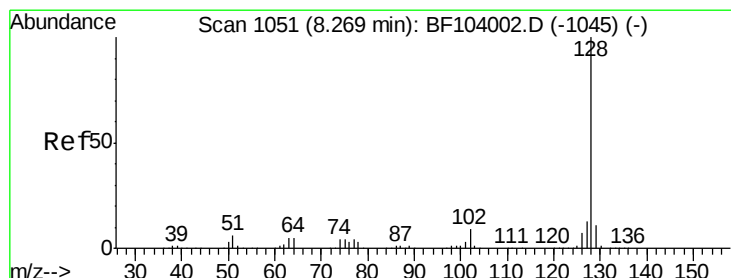
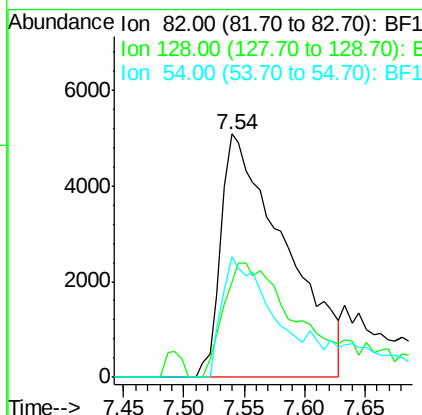
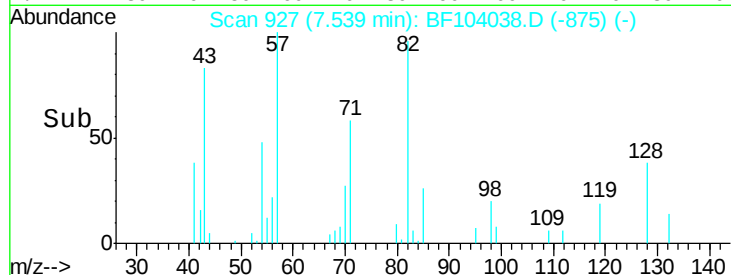
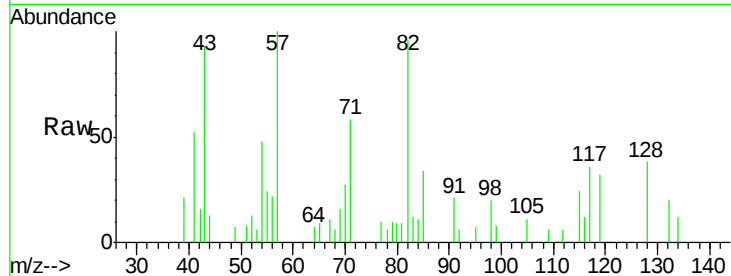
#23
 Nitrobenzene-d5
 Concen: 2.805 ng
 RT: 7.54 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-108(4-5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.3	36.1	54.1
54	49.8	41.4	62.2

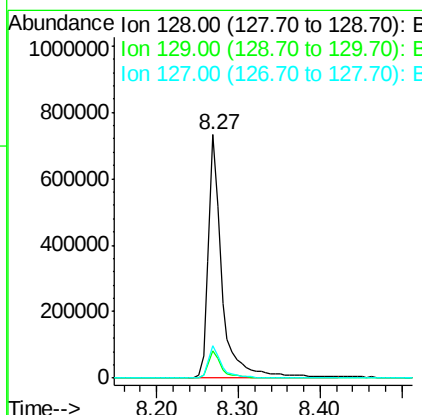
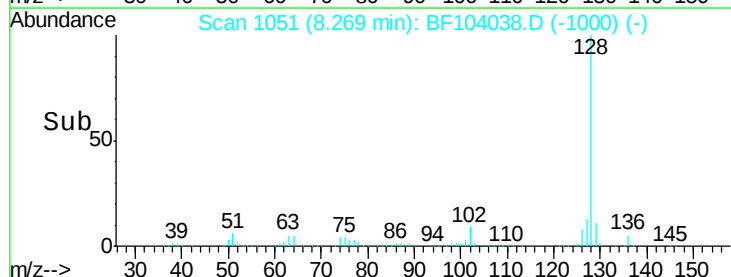
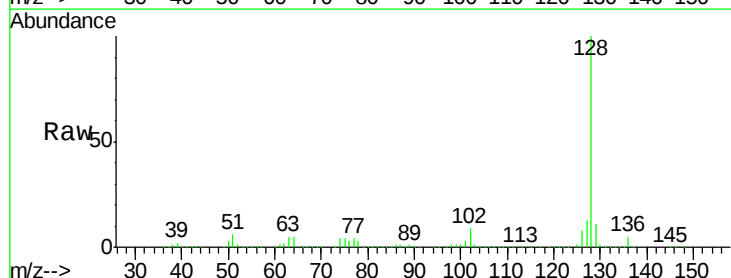
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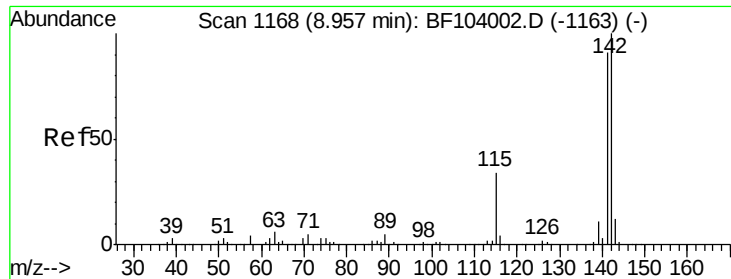
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#31
 Naphthalene
 Concen: 42.731 ng
 RT: 8.27 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.5	10.9	16.3





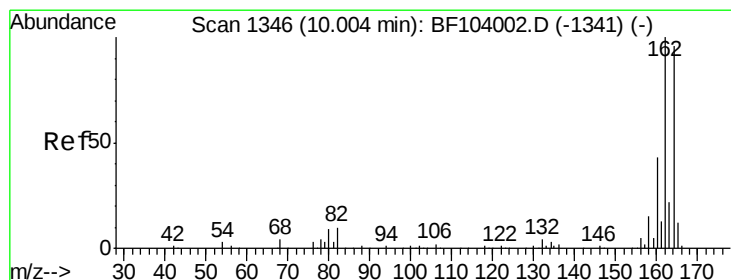
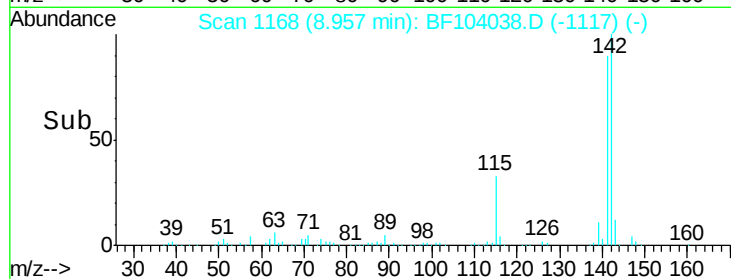
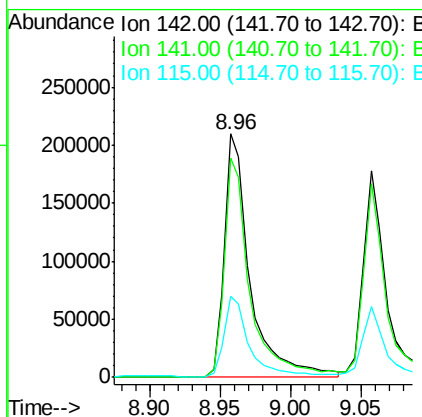
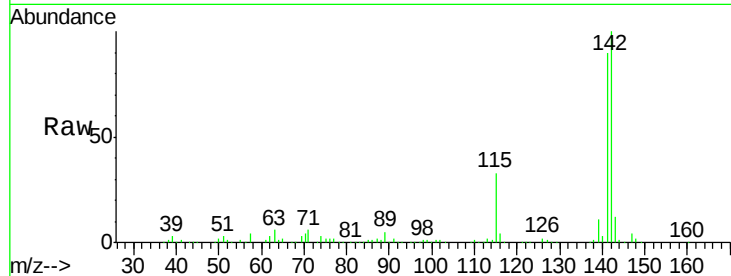
#37
2-Methylnaphthalene
Concen: 20.333 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Instrument :
BNA_F
ClientSampleId :
SB-108(4-5)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	33.4	26.1	39.1

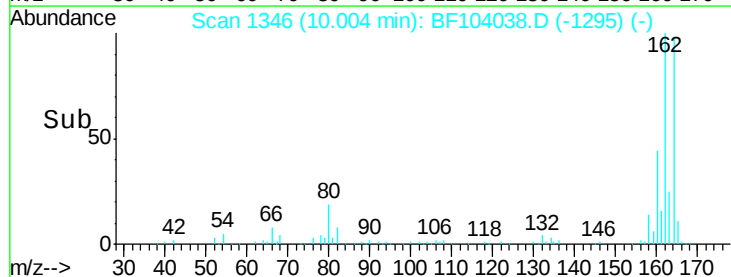
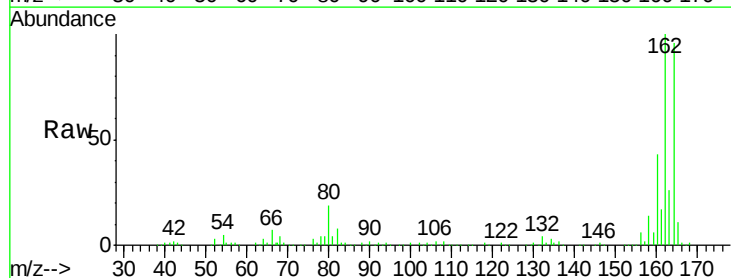
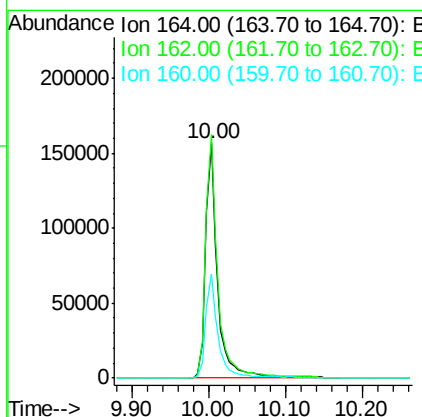
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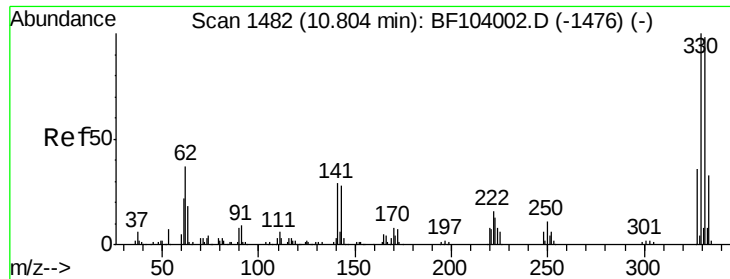
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	44.6	38.3	57.5





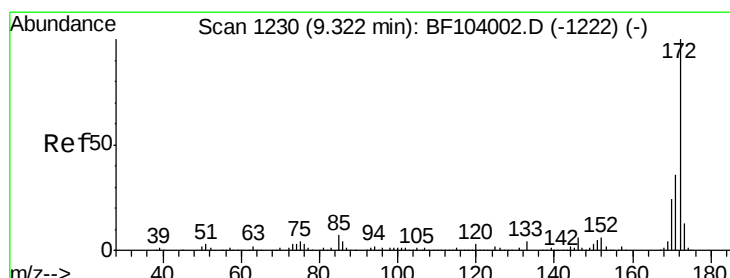
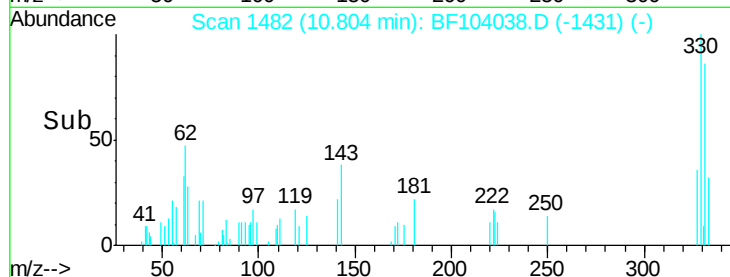
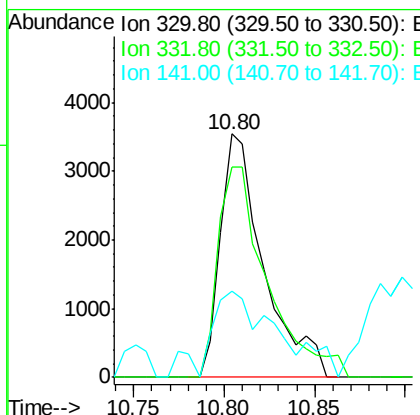
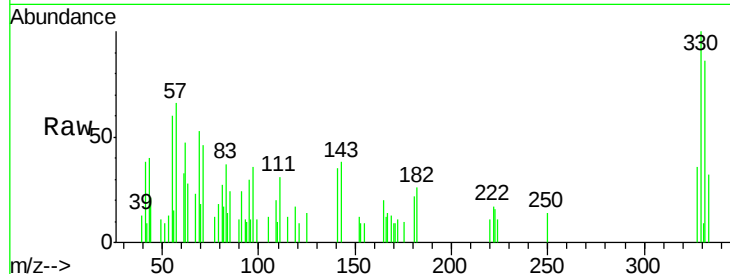
#41
 2,4,6-Tribromophenol
 Concen: 3.085 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-108(4-5)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	48.6	29.9	44.9

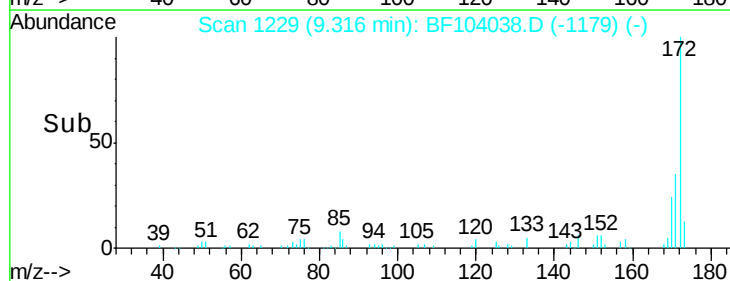
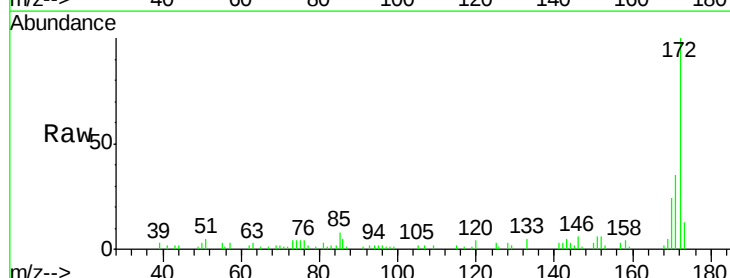
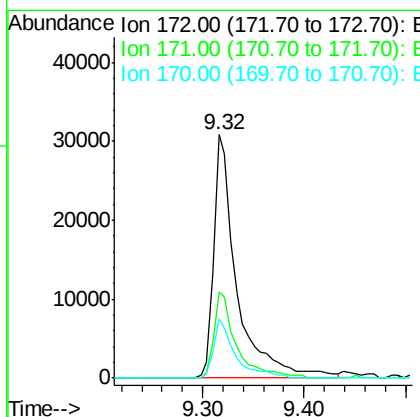
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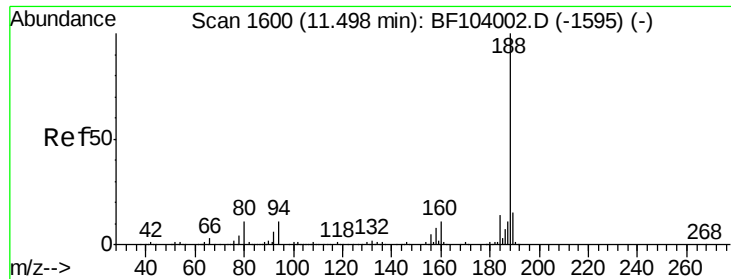
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#44
 2-Fluorobiphenyl
 Concen: 4.501 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	24.1	19.6	29.4





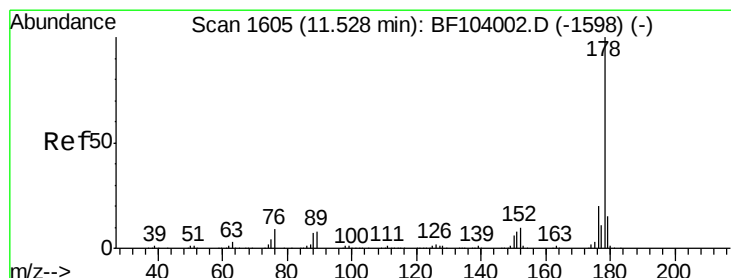
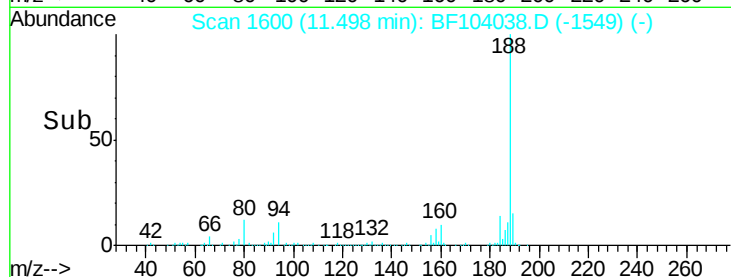
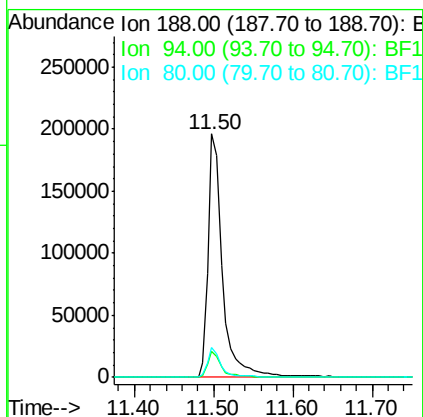
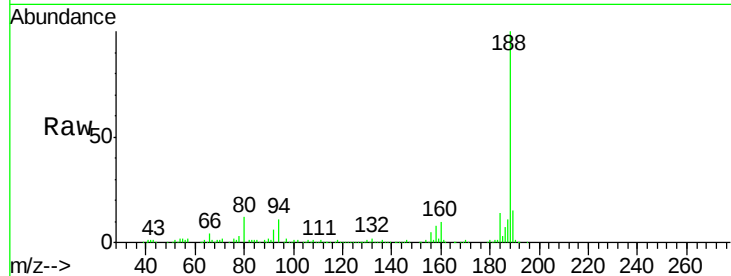
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Instrument :
BNA_F
ClientSampleID :
SB-108(4-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	248635		
94	10.9		8.5	12.7
80	12.0		9.2	13.8

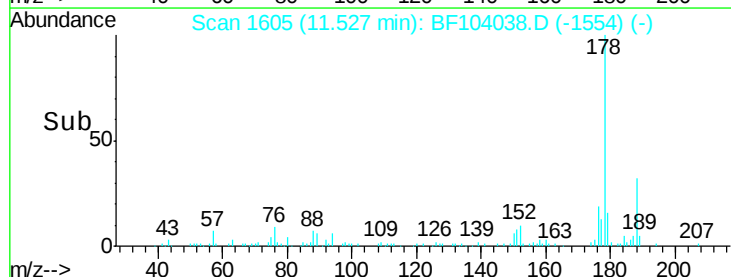
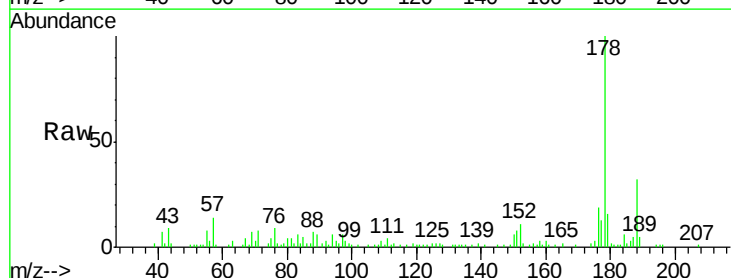
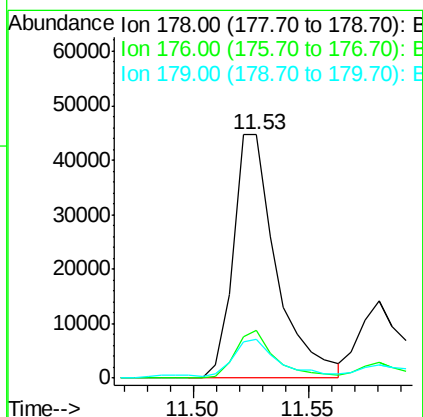
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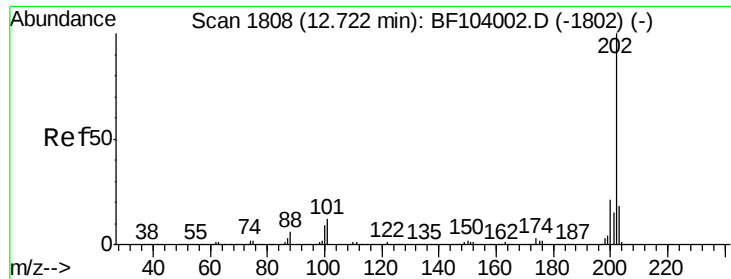
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#70
Phenanthrene
Concen: 4.322 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	58179		
176	19.5		15.8	23.8
179	15.8		13.0	19.6





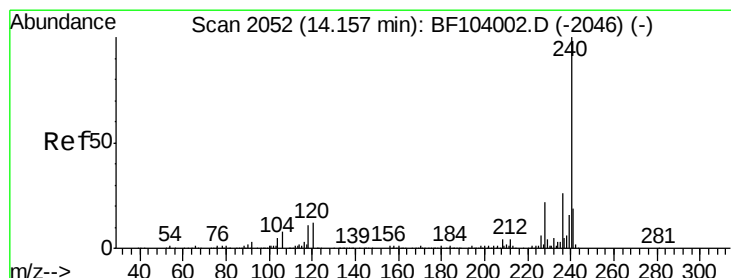
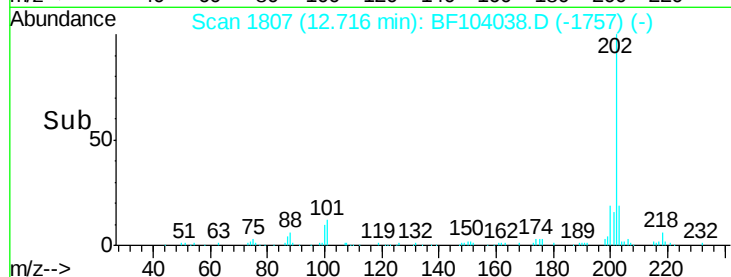
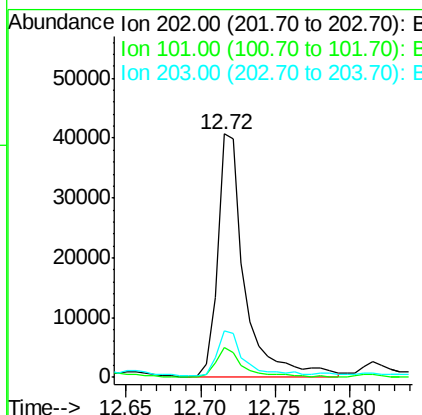
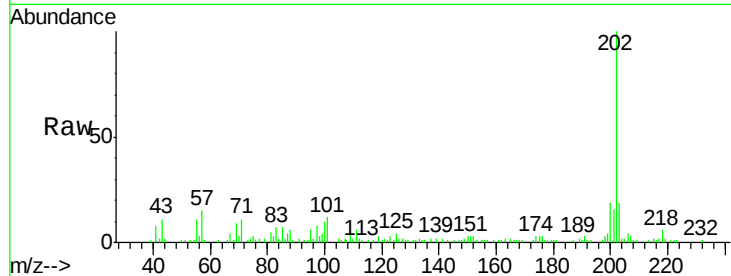
#74
 Fluoranthene
 Concen: 3.625 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. -0.01 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Instrument :
 BNA_F
 ClientSampleID :
 SB-108(4-5)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	34.1
203	19.1	0.0	38.1

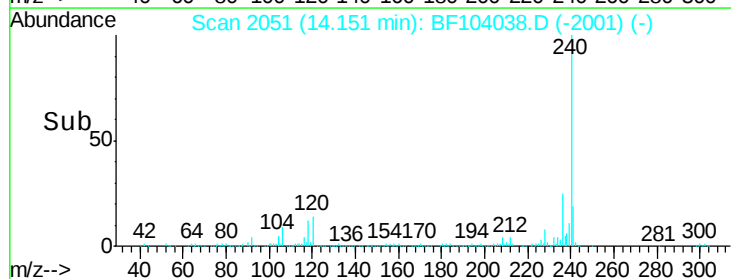
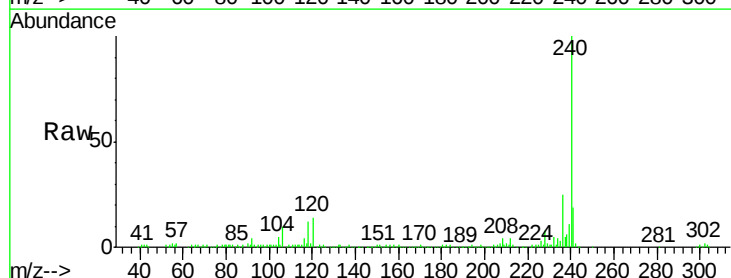
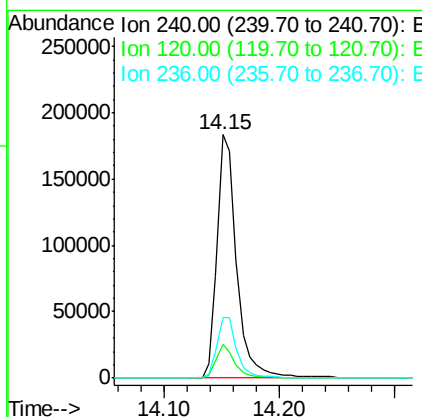
Manual Integrations
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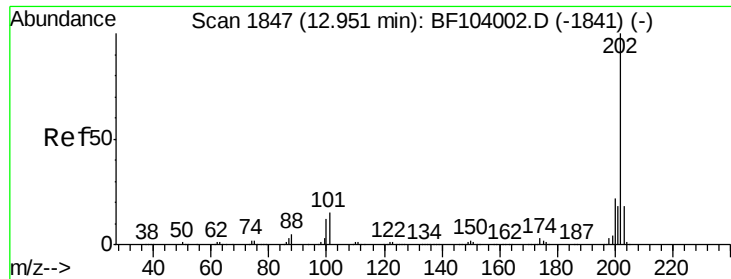
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: BF104038.D
 Acq: 29 Mar 2018 7:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.9	9.5	14.3
236	25.1	20.7	31.1





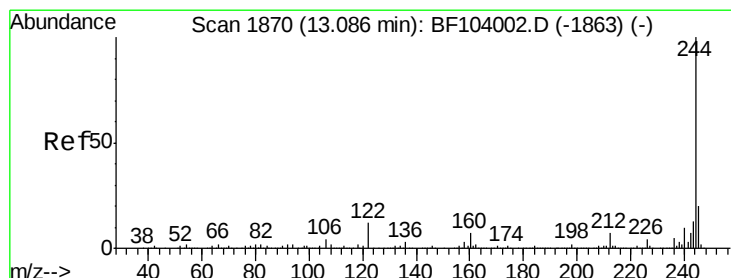
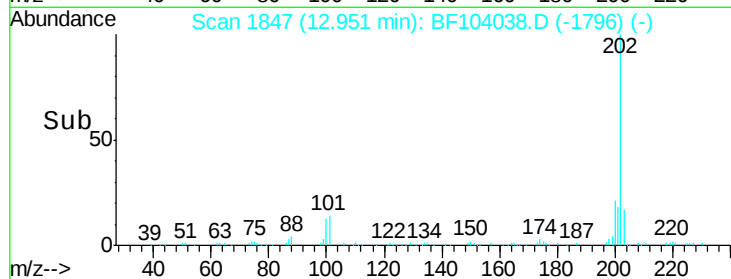
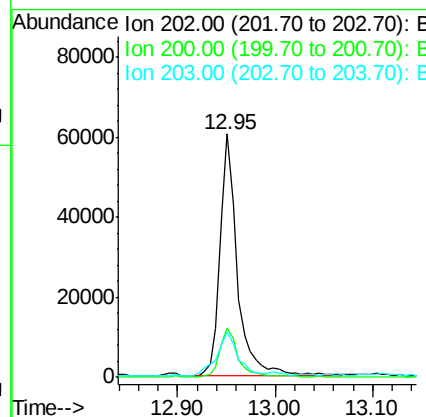
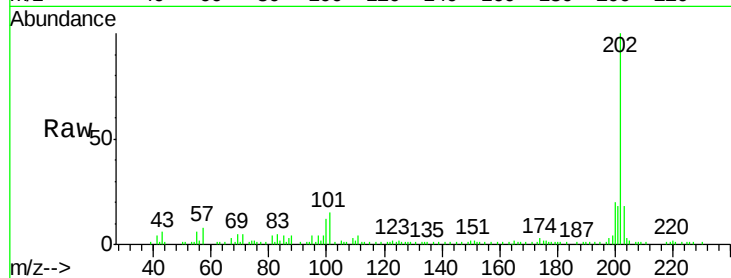
#77
Pvrene
Concen: 4.823 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Instrument :
BNA_F
ClientSampleId :
SB-108(4-5)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	18.4	14.3	21.5

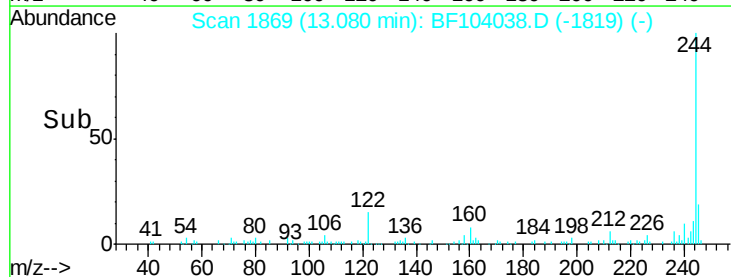
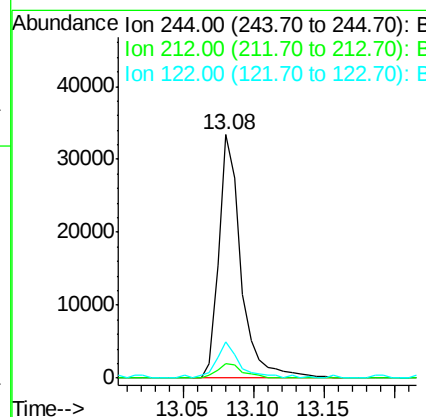
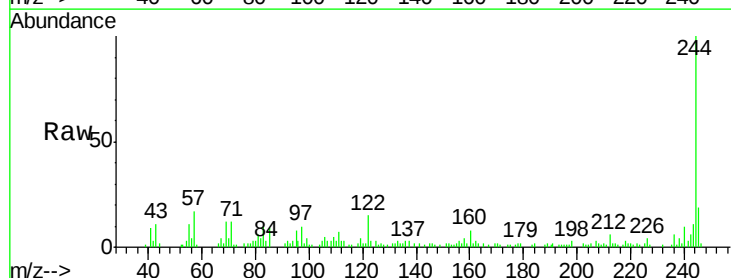
Manual Integrations
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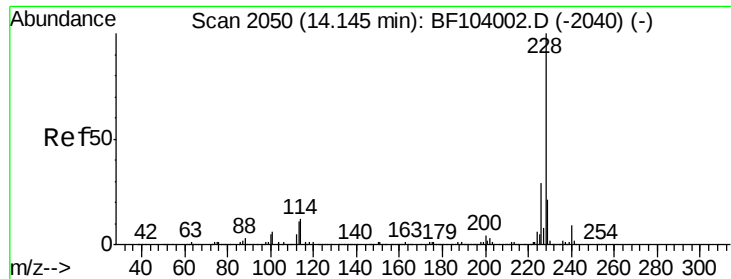
Sohil
3/29/2018 5:37:53 PM



#78
Terphenyl-d14
Concen: 3.897 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	15.1	11.0	16.4





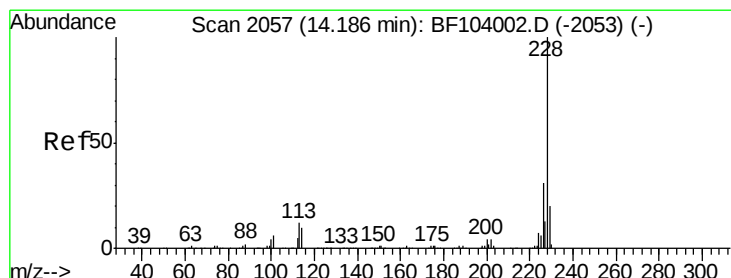
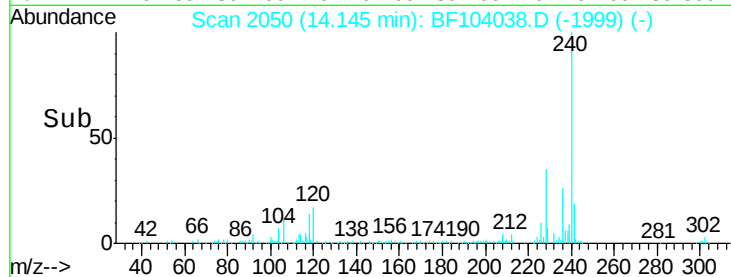
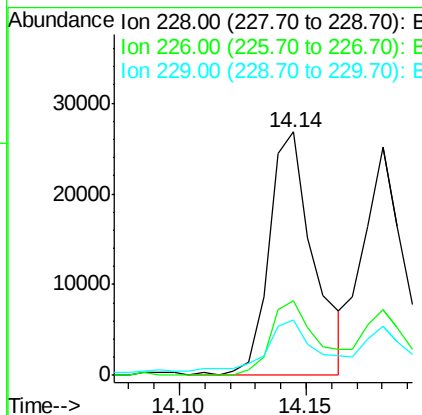
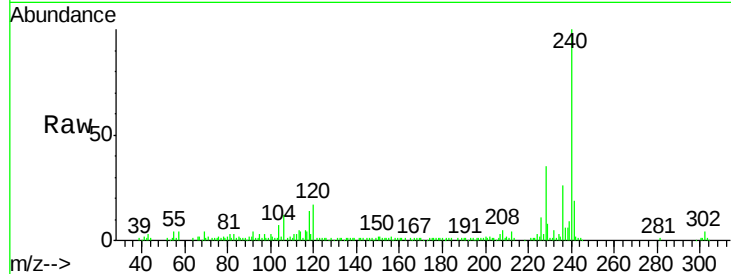
#80
Benzo(a)anthracene
Concen: 2.424 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Instrument :
BNA_F
ClientSampleId :
SB-108(4-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	22.7	15.8	23.6

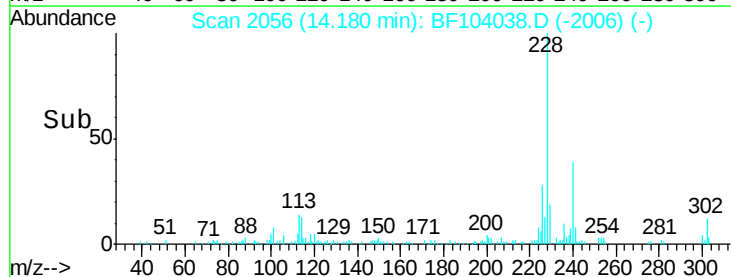
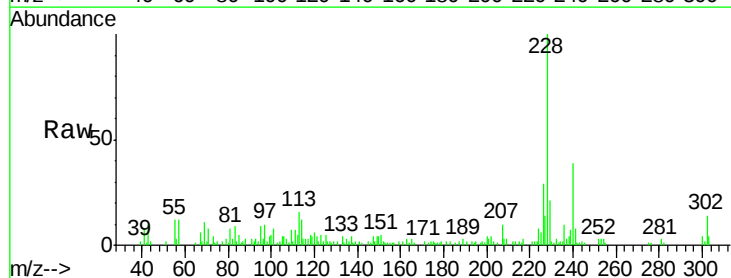
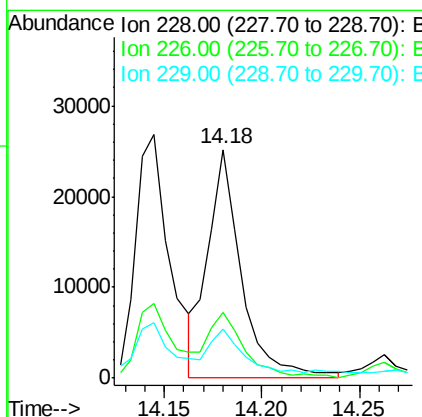
Manual Integrations
APPROVED

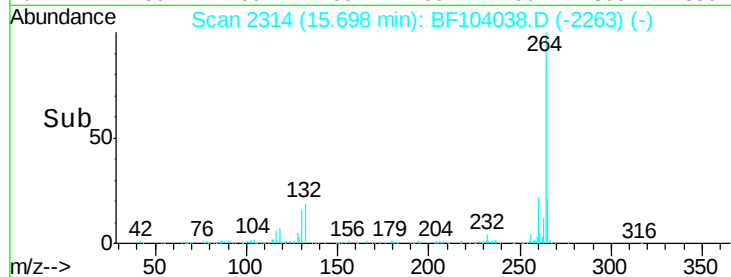
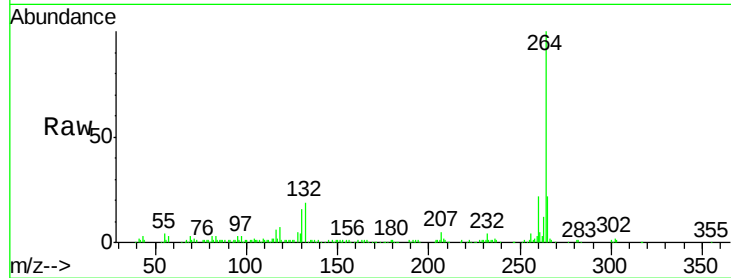
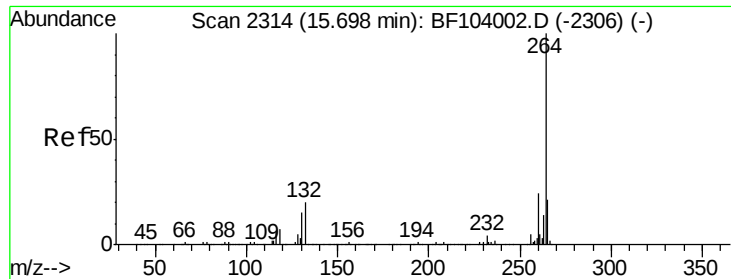
Sohil
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#82
Chrysene
Concen: 2.291 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	21.5	16.2	24.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104038.D
Acq: 29 Mar 2018 7:19

Instrument :
BNA_F
ClientSampleId :
SB-108(4-5)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	22.2	17.5	26.3

Manual Integrations
APPROVED

Sohil
3/29/2018 5:37:53 PM

