

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103962.D
 Acq On : 27 Mar 2018 8:34
 Operator : JU/SJ
 Sample : J2040-03 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MS-2

Manual Integrations
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Sohil
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Quant Time: Mar 27 12:55:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131006	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	527765	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	235254	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	382580	20.00	ng	0.00
75) Chrysene-d12	14.16	240	265919	20.00	ng	0.00
86) Perylene-d12	15.70	264	247146	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	88205	10.24	ng	0.00
7) Phenol-d6	6.59	99	113238	10.75	ng	-0.01
23) Nitrobenzene-d5	7.53	82	63107	8.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	23158	11.45	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	144202	9.78	ng	0.00
78) Terphenyl-d14	13.09	244	117484	10.25	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	265178	12.671	ng	Qvalue 98
71) Anthracene	11.59	178	87456	4.114	ng	97
74) Fluoranthene	12.73	202	321178	14.897	ng	98
77) Pyrene	12.96	202	254824	13.049	ng	98
80) Benzo(a)anthracene	14.15	228	125544	7.458	ng	98
82) Chrysene	14.19	228	98418	6.134	ng	95
85) Indeno(1,2,3-cd)pyrene	17.28	276	40276	2.874	ng	93
87) Benzo(b)fluoranthene	15.24	252	116870m	7.485	ng	
88) Benzo(k)fluoranthene	15.27	252	40092m	2.671	ng	
89) Benzo(a)pyrene	15.63	252	75318	5.318	ng	# 96
91) Benzo(g,h,i)perylene	17.77	276	38172	3.200	ng	# 91

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

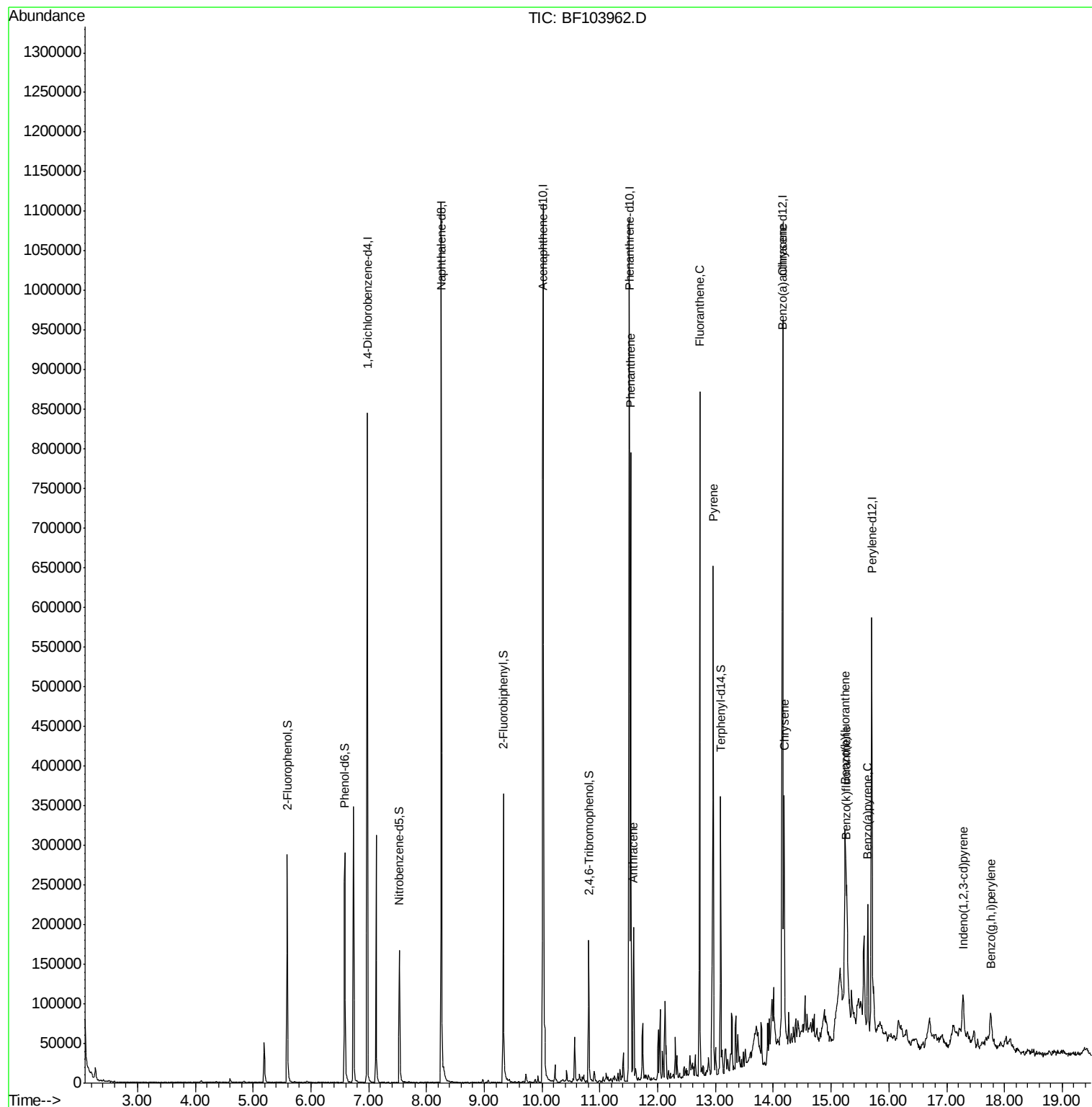
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
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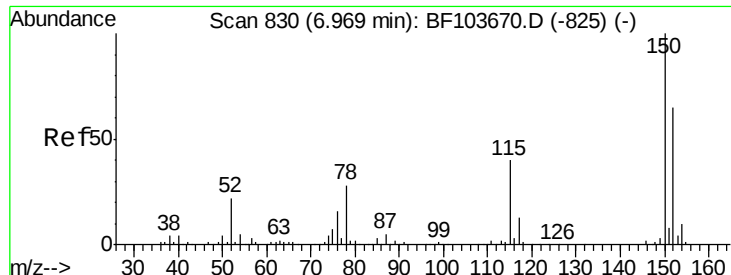
Instrument :
BNA_F
ClientSampleId :
MS-2

Manual Integrations
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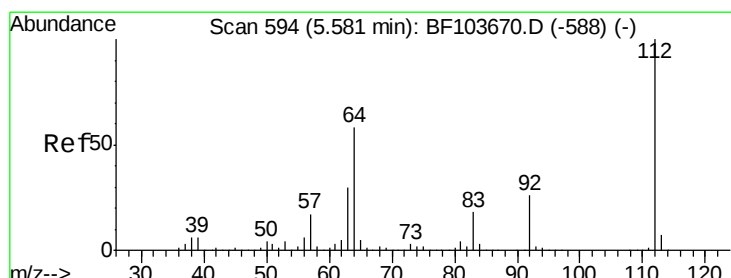
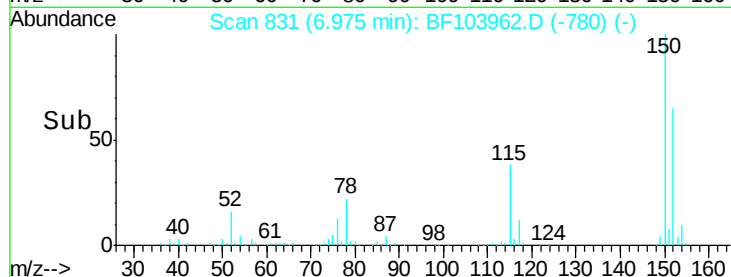
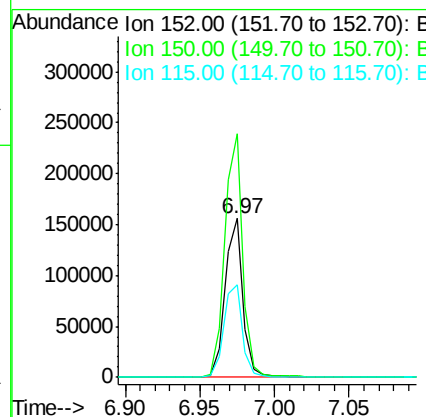
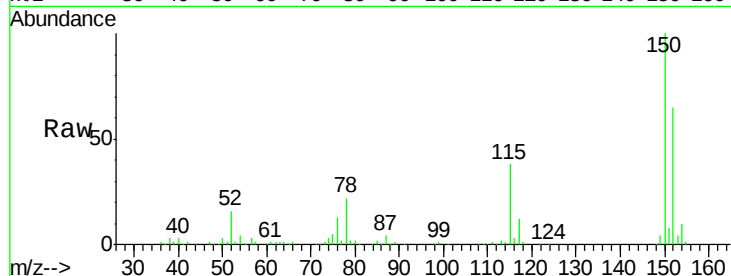
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Instrument :
 BNA_F
 ClientSampled :
 MS-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	58.2	50.1	75.1

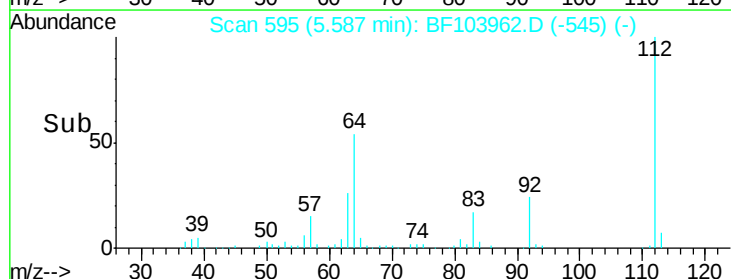
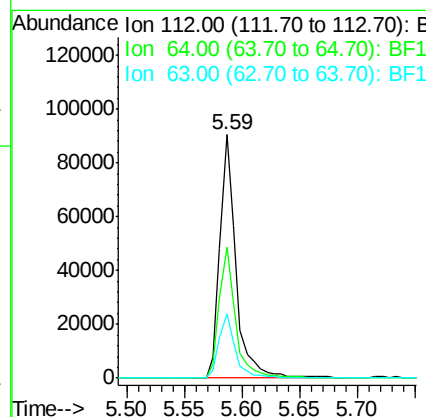
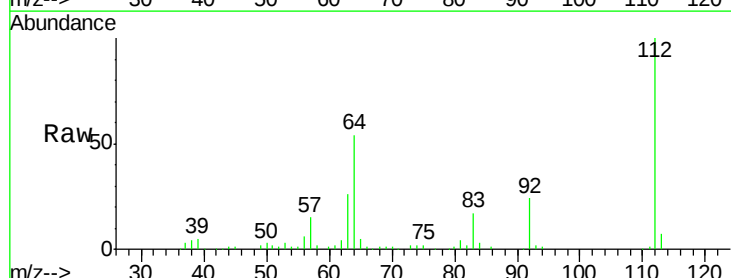
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#5
 2-Fluorophenol
 Concen: 10.241 ng
 RT: 5.59 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.9	71.9
63	26.5	23.7	35.5





#7

Phenol-d6

Concen: 10.746 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

Instrument :

BNA_F

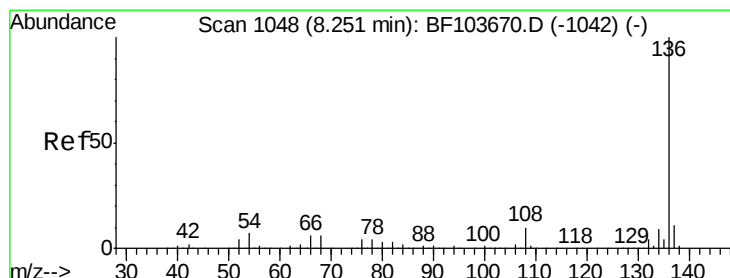
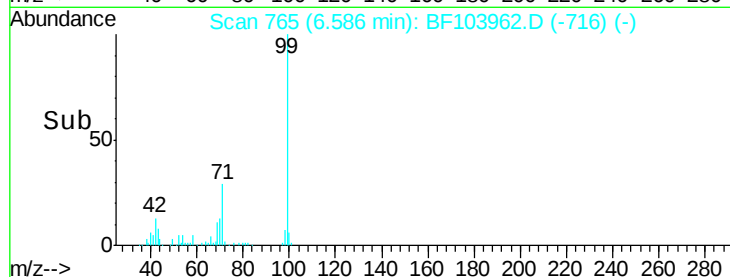
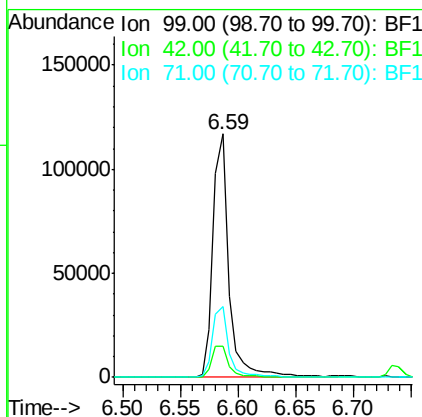
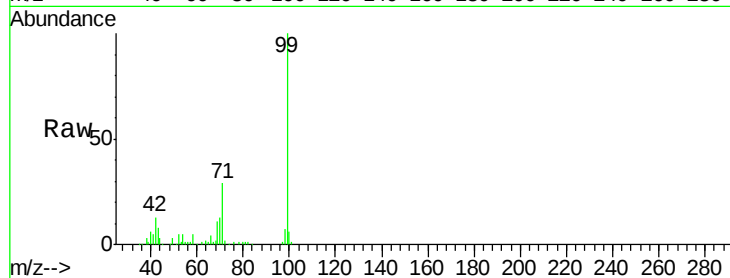
ClientSampleId :

MS-2

Tot Ion:	99	Resp:	113238
Ion Ratio	Lower	Upper	
99	100		
42	13.1	14.5	21.7#
71	29.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

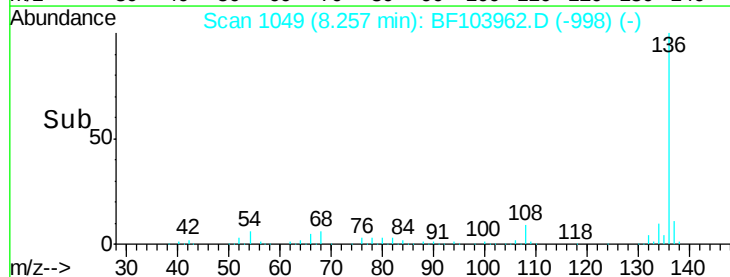
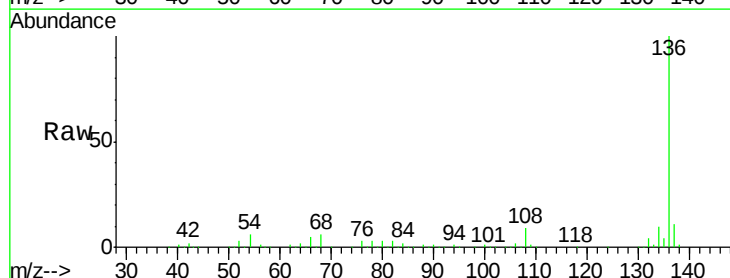
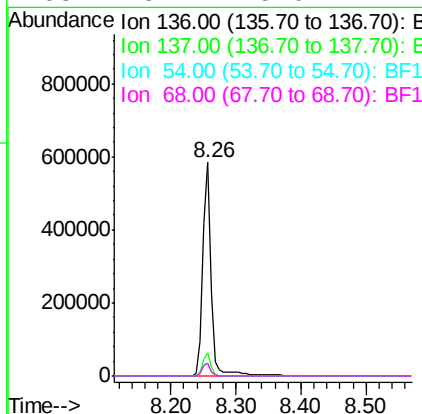
RT: 8.26 min Scan# 1049

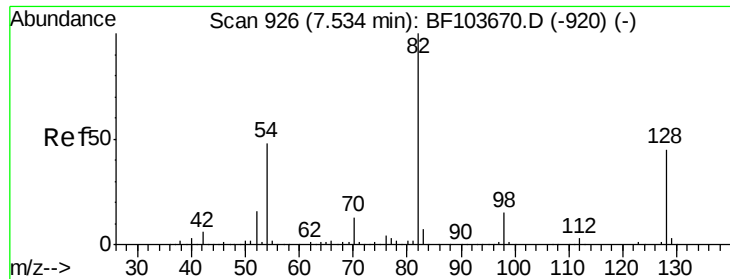
Delta R.T. -0.00 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

Tgt Ion:	136	Resp:	527765
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.3	6.6	9.8#
68	5.7	5.0	7.4





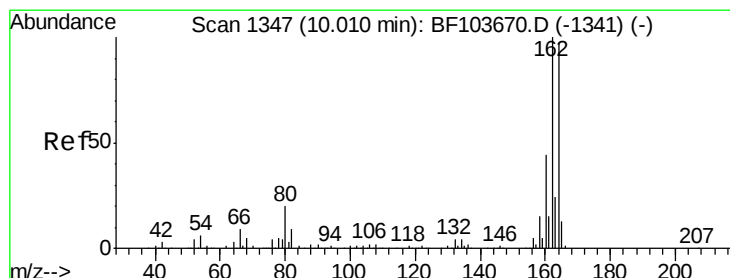
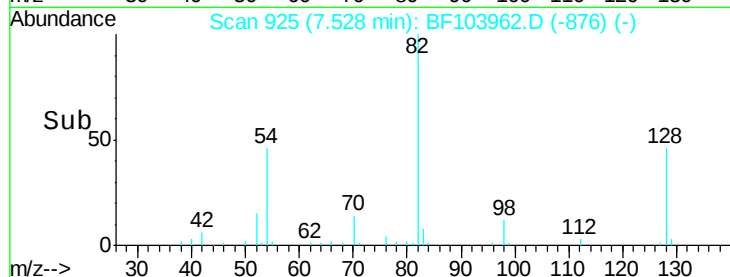
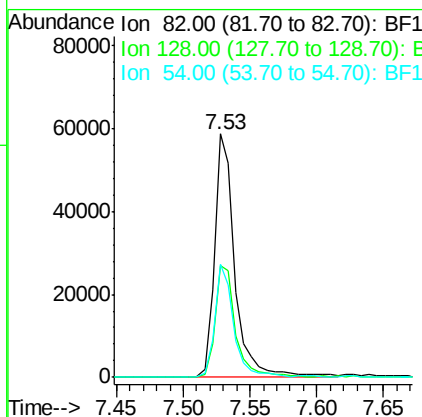
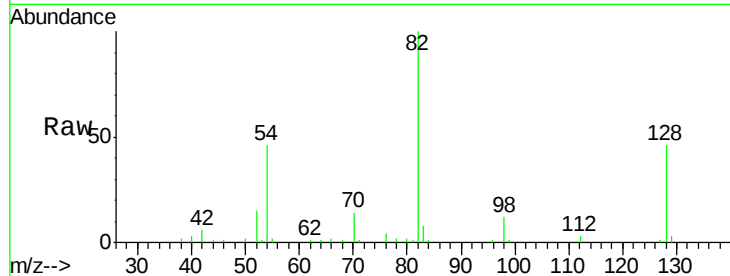
#23
 Nitrobenzene-d5
 Concen: 8.339 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Instrument :
 BNA_F
 ClientSampled :
 MS-2

Tot Ion	82	Resp	63107
Ion Ratio	100	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	46.4	41.4	62.2

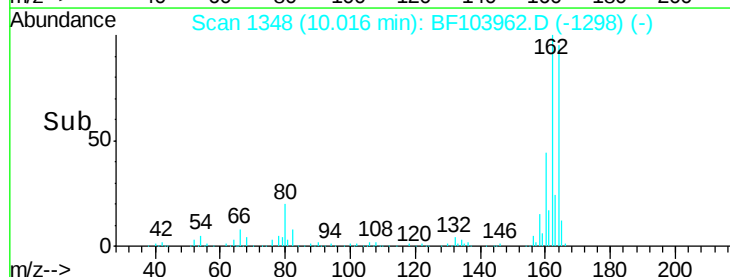
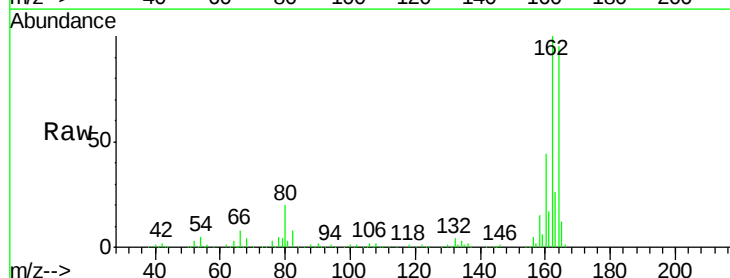
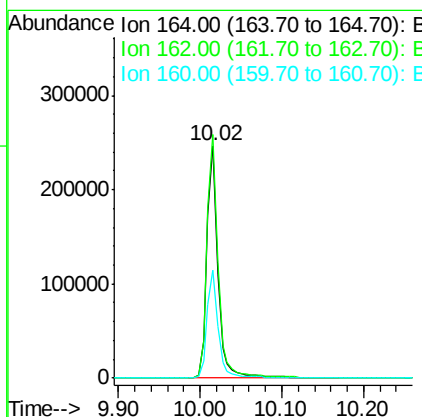
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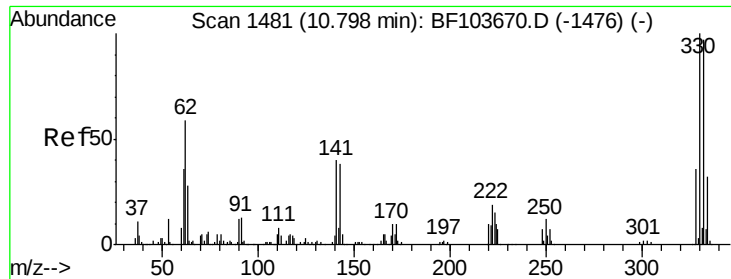
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Tgt Ion	164	Resp	235254
Ion Ratio	100	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	46.2	38.3	57.5





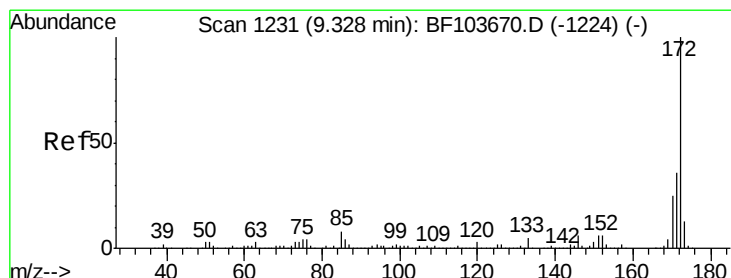
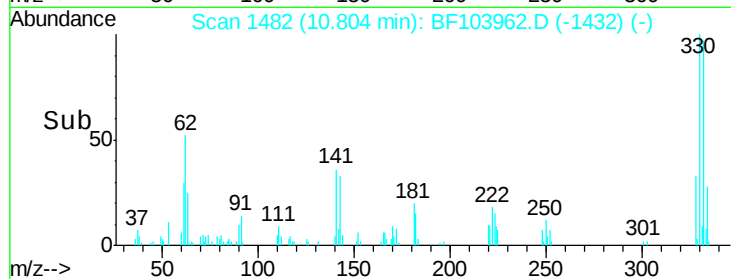
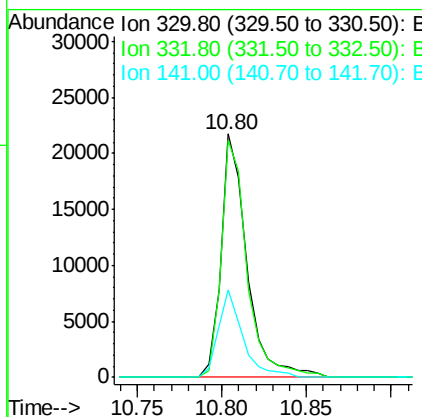
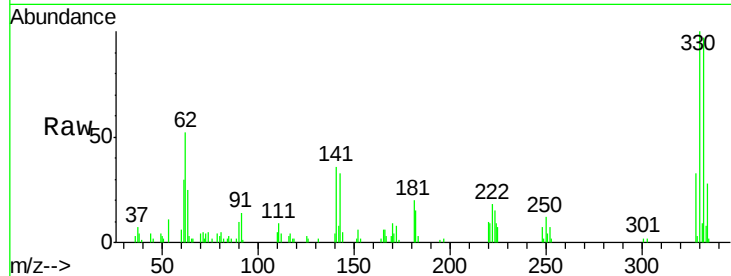
#41
 2,4,6-Tribromophenol
 Concen: 11.449 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Instrument :
 BNA_F
 ClientSampled :
 MS-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	34.2	29.9	44.9

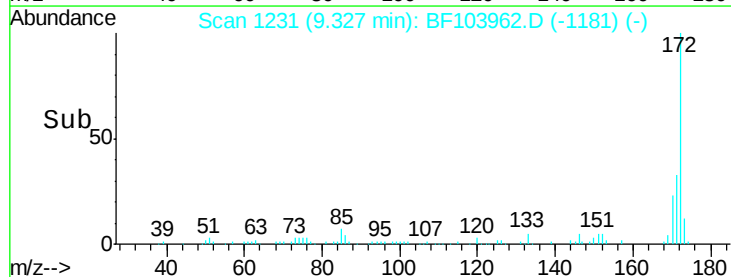
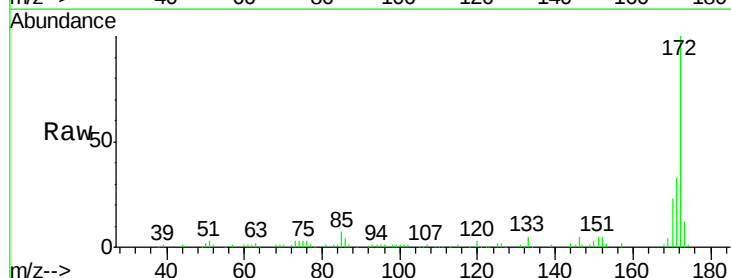
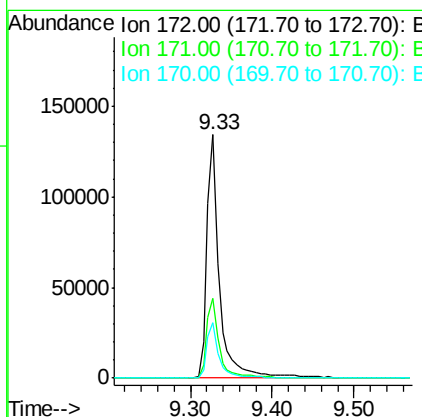
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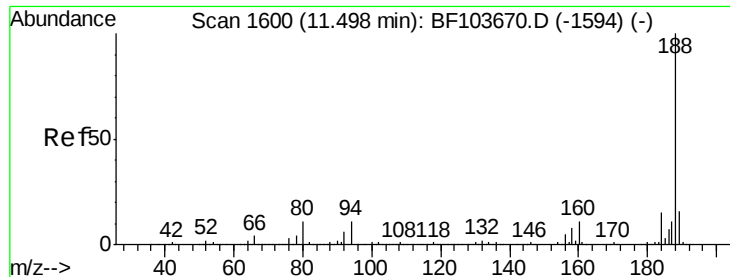
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#44
 2-Fluorobiphenyl
 Concen: 9.778 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.7	44.5
170	22.9	19.6	29.4





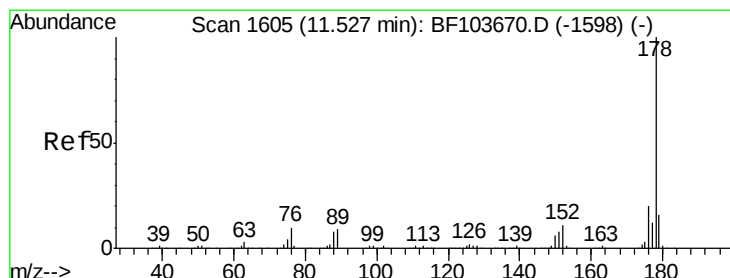
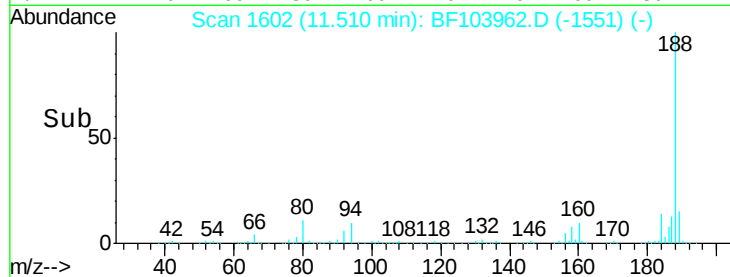
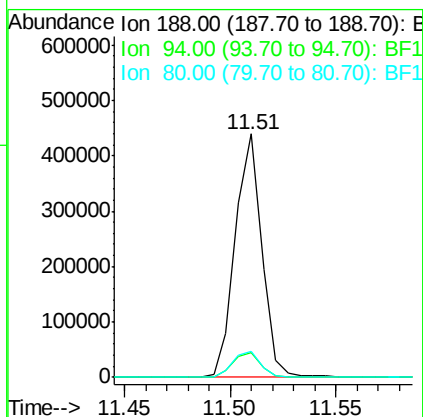
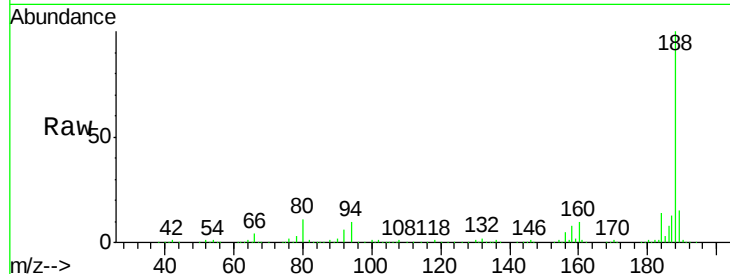
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampled :
MS-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	382580		
94	10.0		8.5	12.7
80	10.9		9.2	13.8

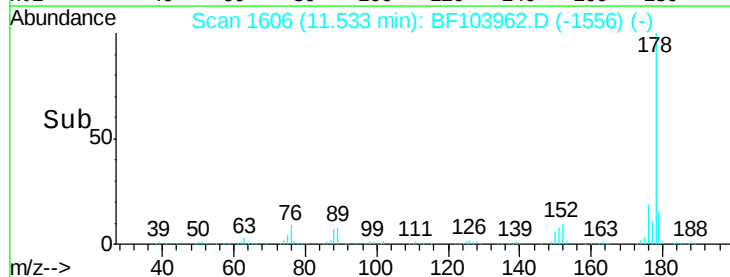
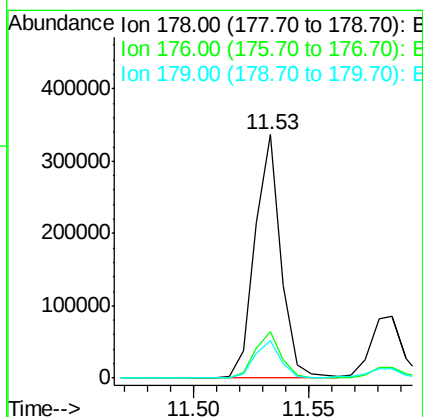
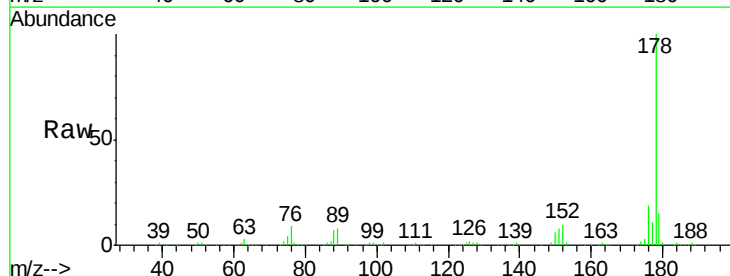
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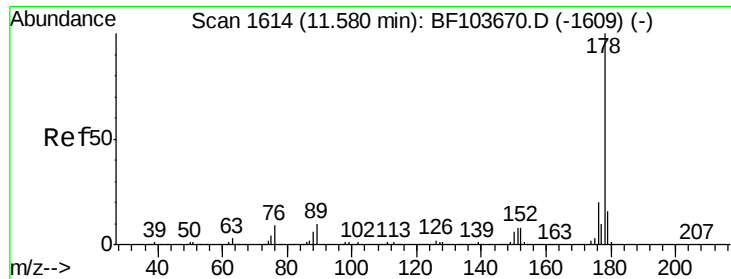
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#70
Phenanthrene
Concen: 12.671 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	265178		
176	19.1		15.8	23.8
179	15.2		13.0	19.6





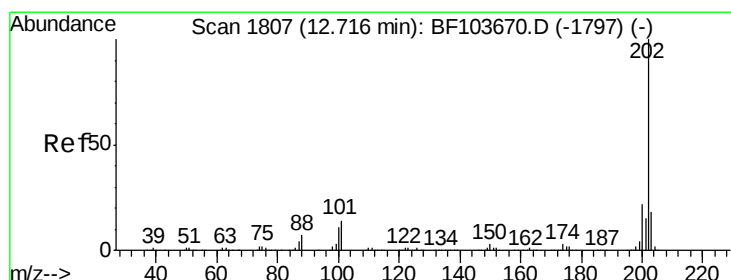
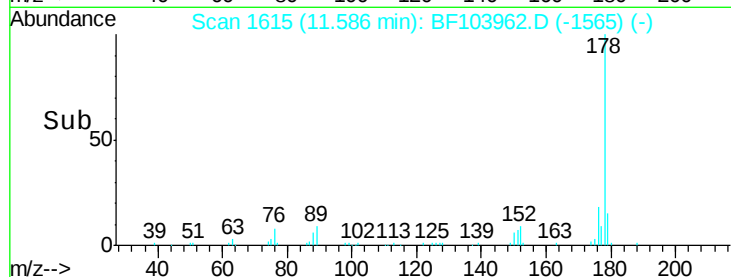
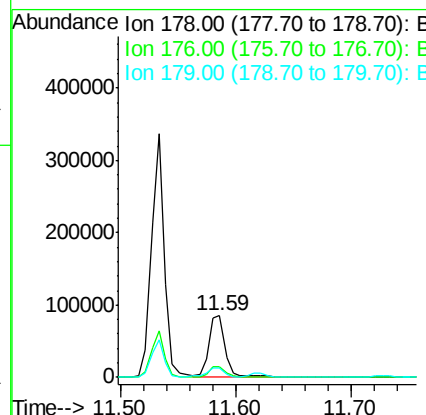
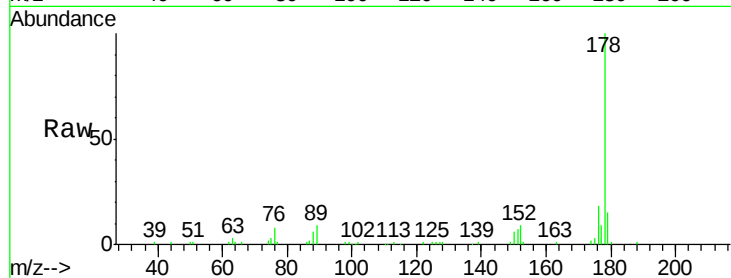
#71
 Anthracene
 Concen: 4.114 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Instrument :
 BNA_F
 ClientSampleId :
 MS-2

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

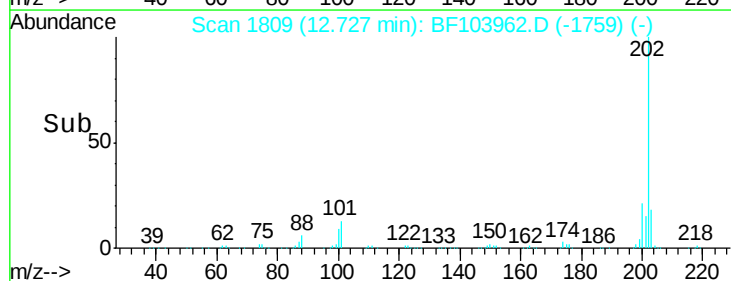
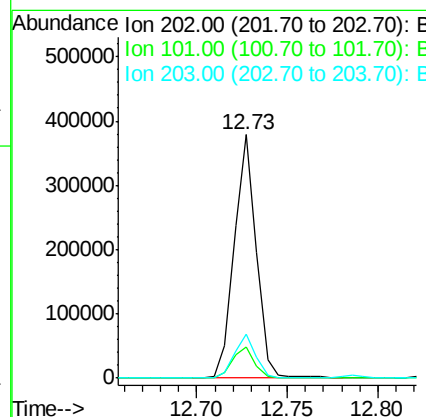
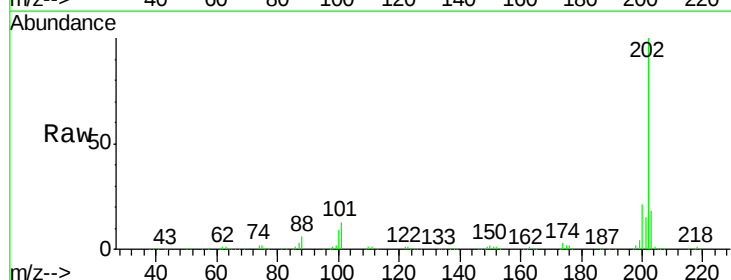
Manual Integrations
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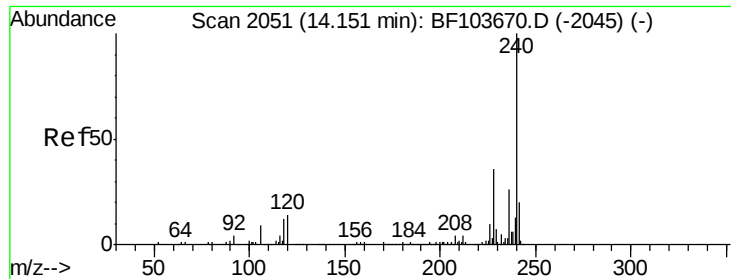
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#74
 Fluoranthene
 Concen: 14.897 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.8	0.0	38.1





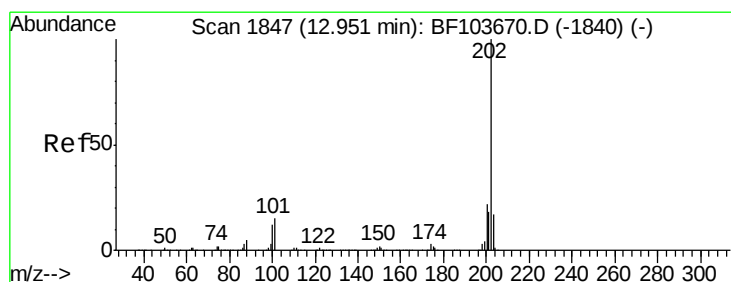
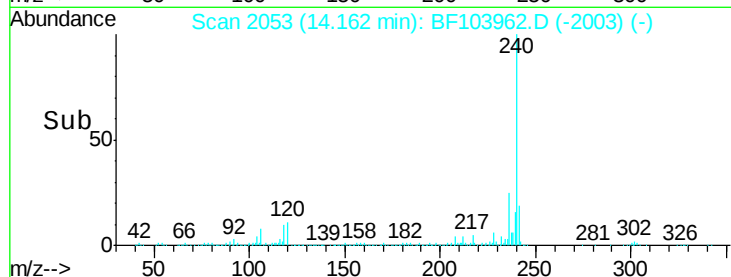
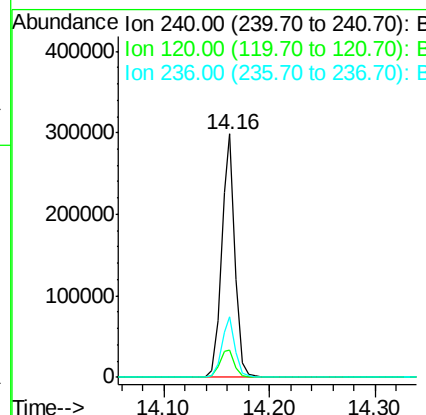
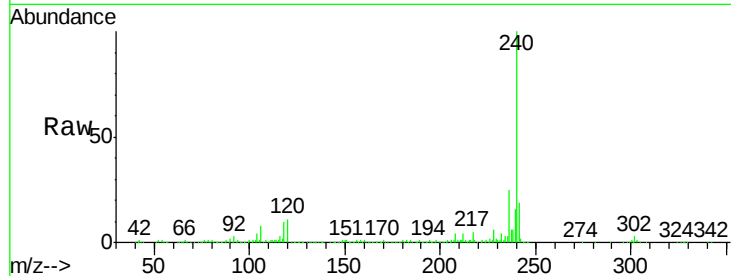
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampleId :
MS-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.5	14.3
236	24.9	20.7	31.1

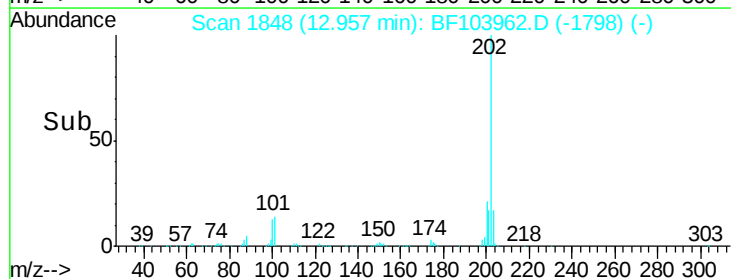
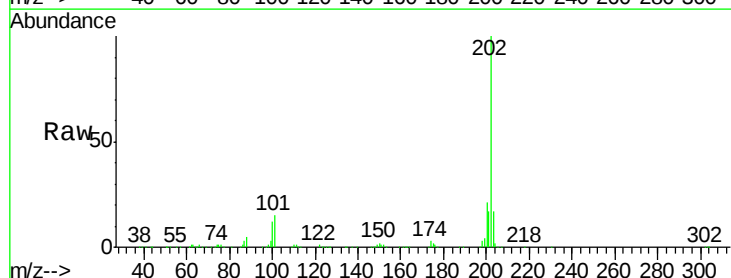
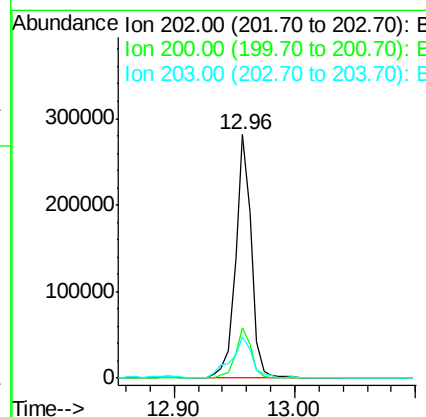
Manual Integrations
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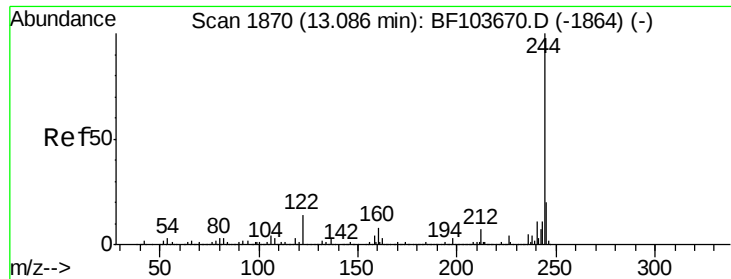
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#77
Pyrene
Concen: 13.049 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.2	14.3	21.5





#78

Terphenyl-d14

Concen: 10.255 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

Instrument :

BNA_F

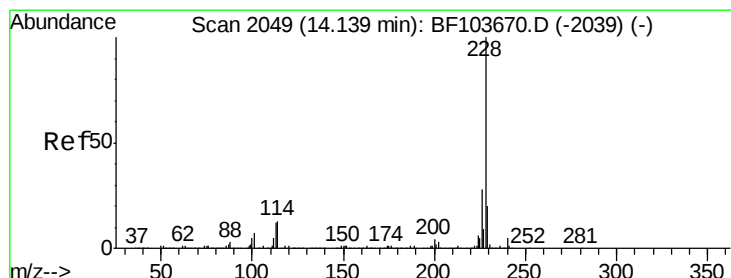
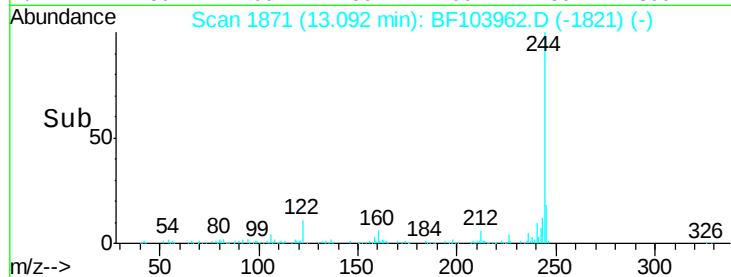
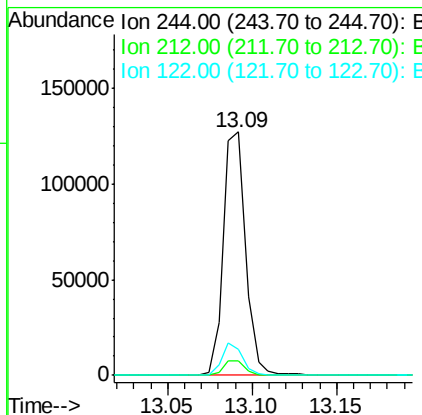
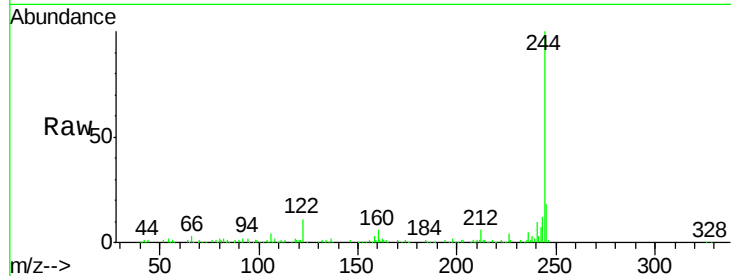
ClientSampleId :

MS-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.4	8.0
122	10.8	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 7.458 ng

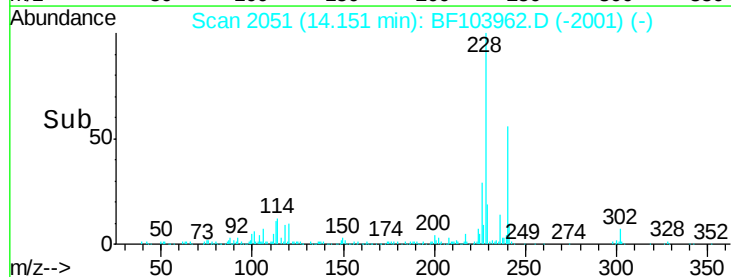
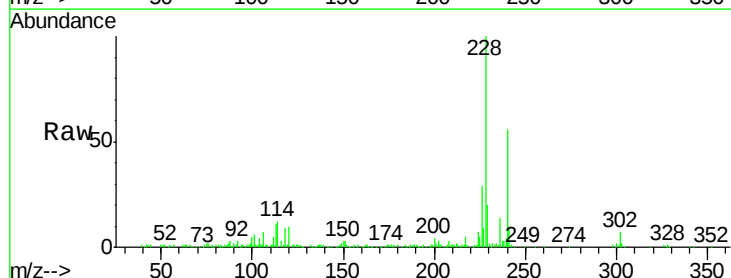
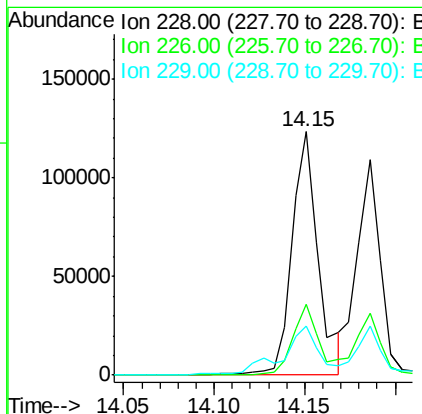
RT: 14.15 min Scan# 2051

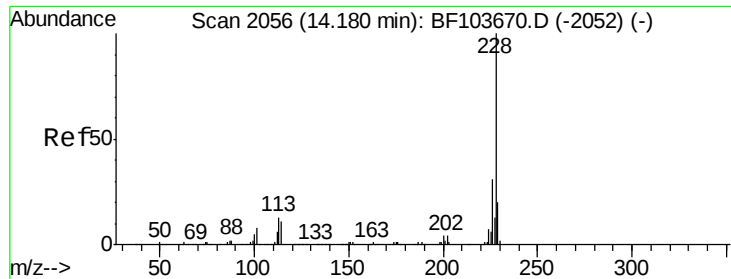
Delta R.T. -0.01 min

Lab File: BF103962.D

Acq: 27 Mar 2018 8:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.0	15.8	23.6





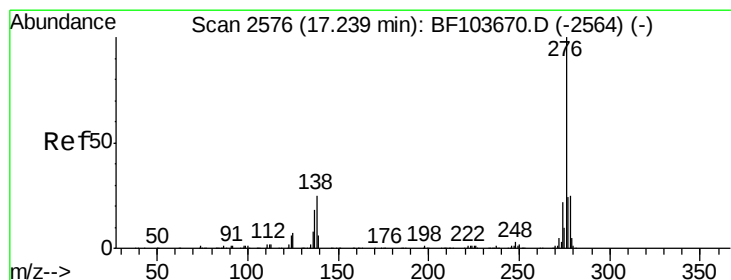
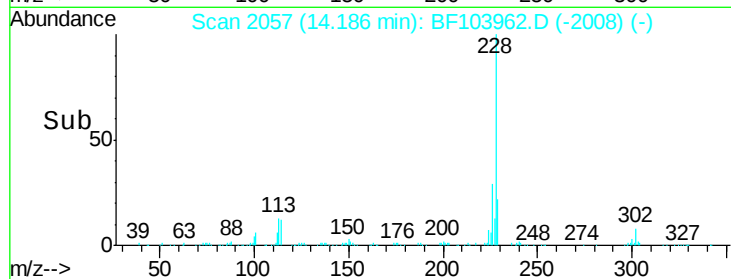
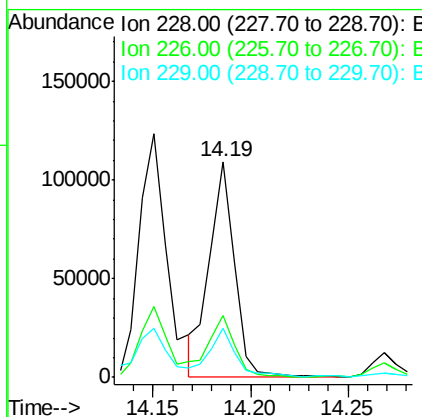
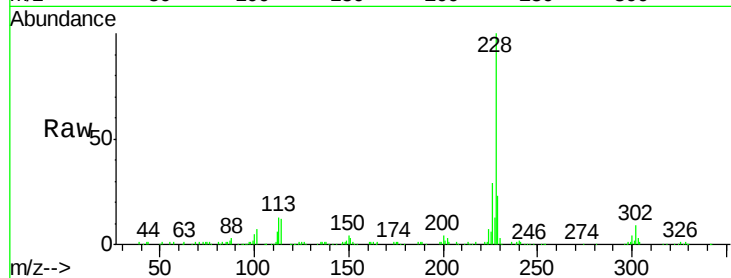
#82
Chrysene
Concen: 6.134 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampleId :
MS-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	22.6	16.2	24.4

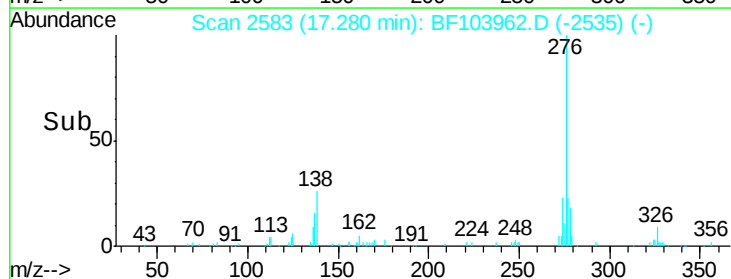
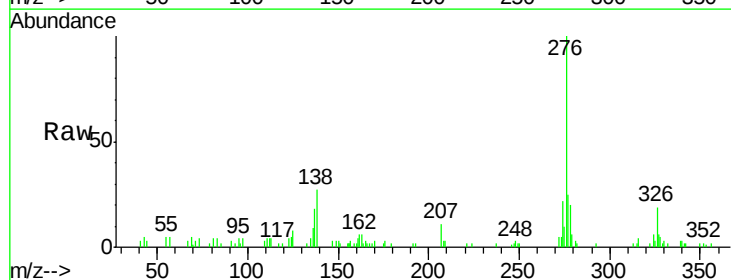
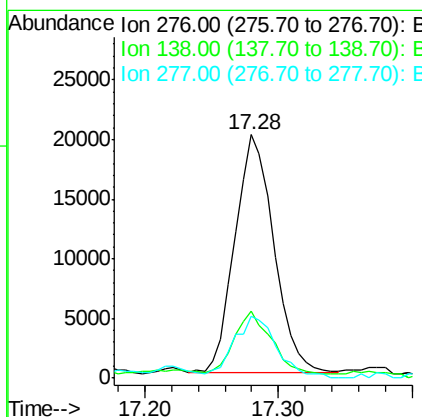
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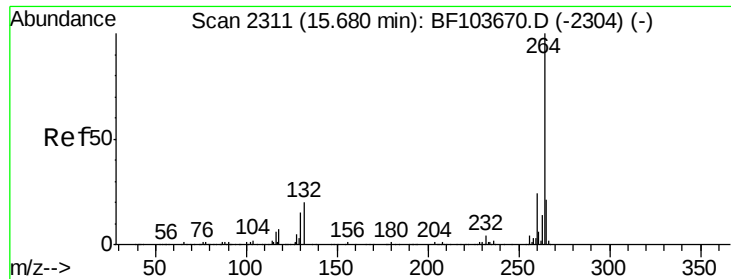
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.874 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.0	37.6
277	28.5	20.1	30.1





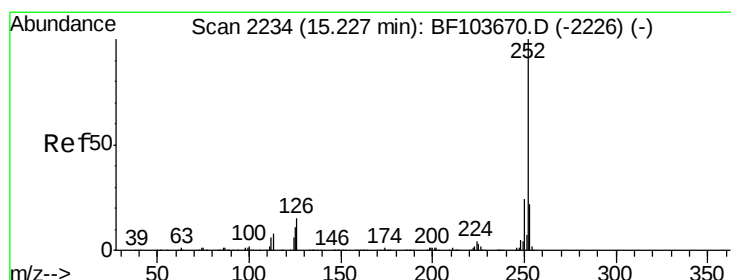
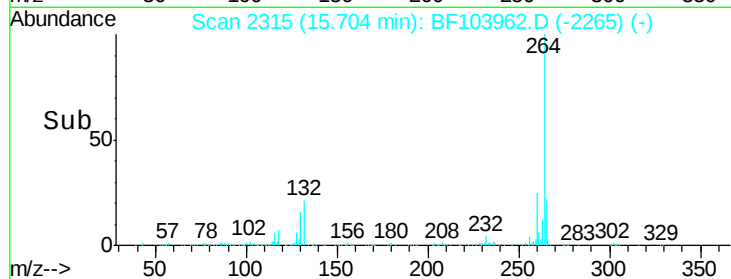
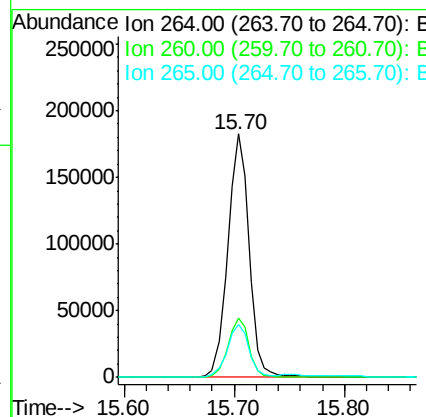
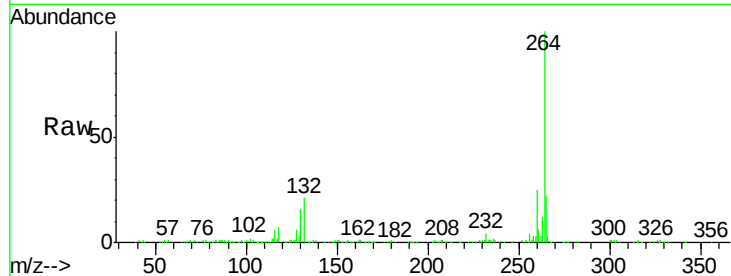
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampled :
MS-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.9	17.5	26.3

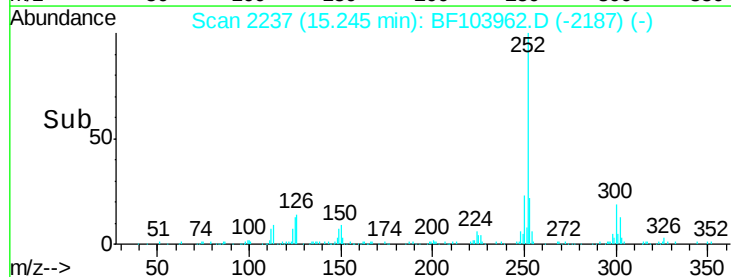
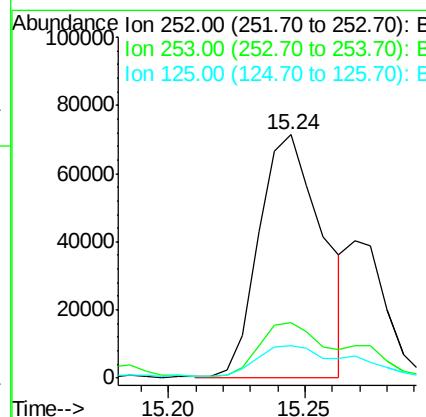
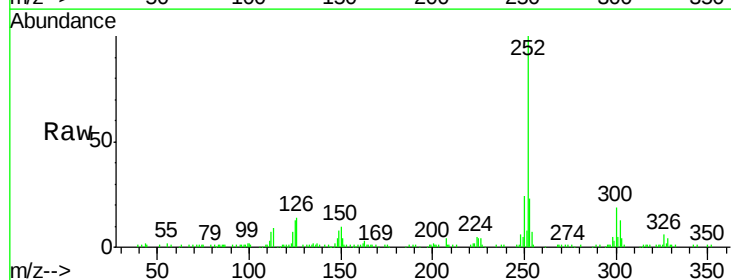
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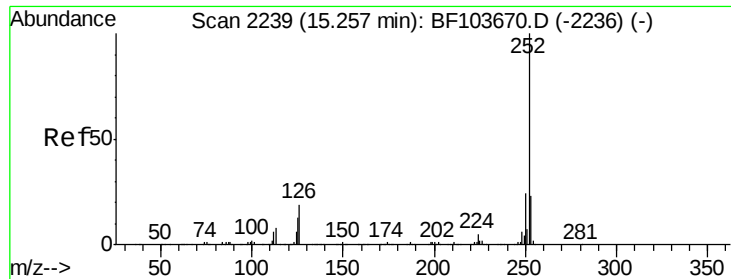
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#87
Benzo(b)fluoranthene
Concen: 7.485 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	13.3	9.0	13.6





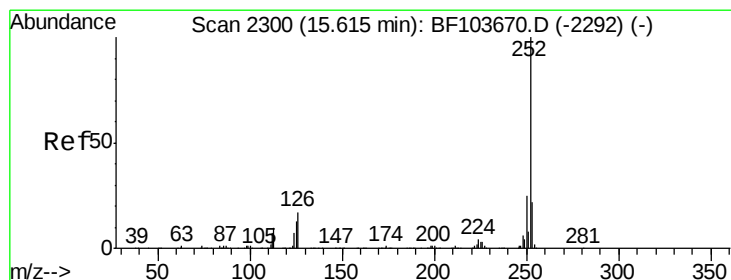
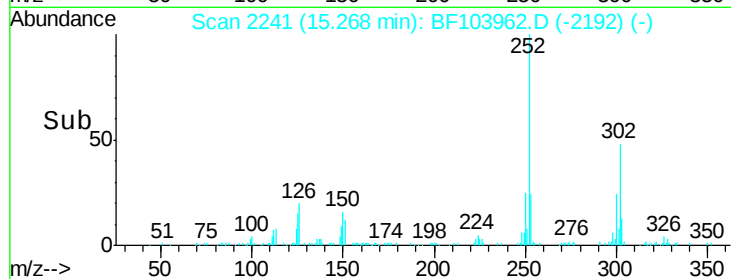
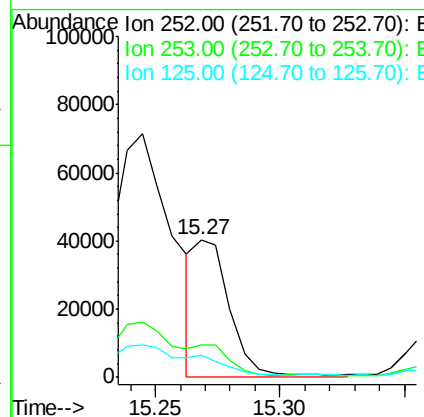
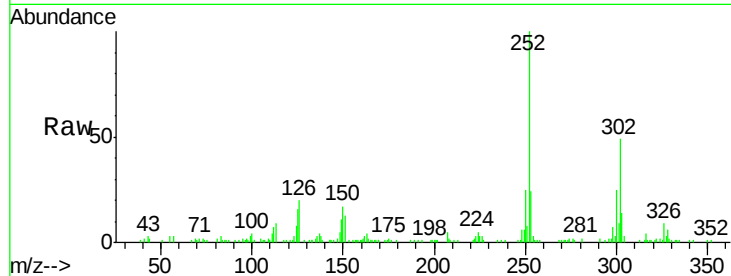
#88
Benzo(k)fluoranthene
Concen: 2.671 ng m
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Instrument :
BNA_F
ClientSampled :
MS-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	16.1	10.2	15.2

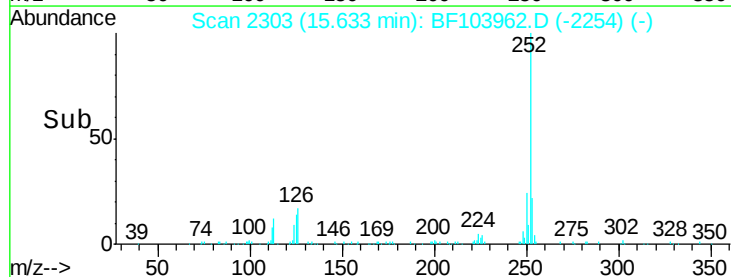
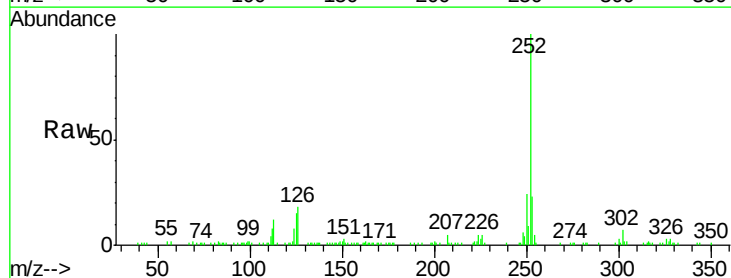
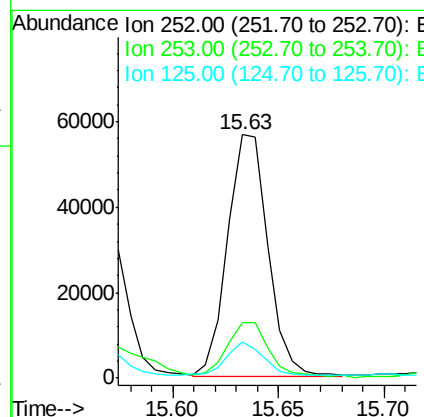
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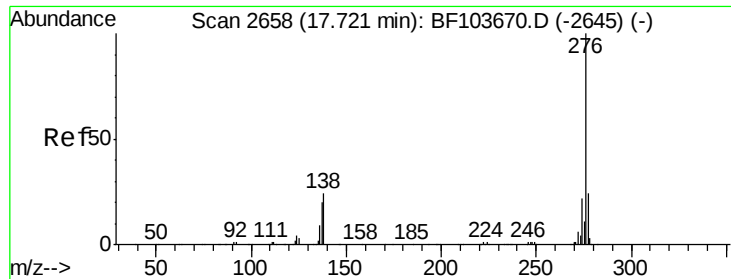
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#89
Benzo(a)pyrene
Concen: 5.318 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BF103962.D
Acq: 27 Mar 2018 8:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.200 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. -0.01 min
 Lab File: BF103962.D
 Acq: 27 Mar 2018 8:34

Instrument :
 BNA_F
 ClientSampleId :
 MS-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.8	17.9	26.9#
138	30.4	21.8	32.8

Manual Integrations
 APPROVED

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