

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104809.D
 Acq On : 26 Apr 2018 1:38
 Operator : JU/SJ
 Sample : J2497-03 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-NW-3

Manual Integrations
 APPROVED

Sohil
 4/26/2018 6:14:54 PM

Quant Time: Apr 26 12:52:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	94011	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	387720	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	164907	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	242753	20.00	ng	0.00
75) Chrysene-d12	13.99	240	185896	20.00	ng	0.00
86) Perylene-d12	15.46	264	171468	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	10831	1.76	ng	0.00
7) Phenol-d6	6.45	99	13509	1.79	ng	0.00
23) Nitrobenzene-d5	7.37	82	7348	1.24	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	2483	1.45	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	18392	1.76	ng	0.00
78) Terphenyl-d14	12.92	244	13206	1.62	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	106807	5.532	ng	98
48) Acenaphthylene	9.70	152	270133	15.734	ng	99
57) Fluorene	10.39	166	39951	3.760	ng	97
70) Phenanthrene	11.36	178	316580	23.418	ng	99
71) Anthracene	11.41	178	146484	10.660	ng	97
74) Fluoranthene	12.55	202	612184	43.342	ng	98
77) Pyrene	12.79	202	626975	45.501	ng	99
80) Benzo(a)anthracene	13.97	228	399524m	35.975	ng	
82) Chrysene	14.01	228	380867m	33.388	ng	
85) Indeno(1,2,3-cd)pyrene	16.93	276	212450	21.924	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	538186m	49.696	ng	
88) Benzo(k)fluoranthene	15.06	252	186135m	18.205	ng	
89) Benzo(a)pyrene	15.40	252	401737	41.460	ng	97
90) Dibenzo(a,h)anthracene	16.93	278	64118m	8.057	ng	
91) Benzo(a,h,i)perylene	17.37	276	224017	29.055	ng	95

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

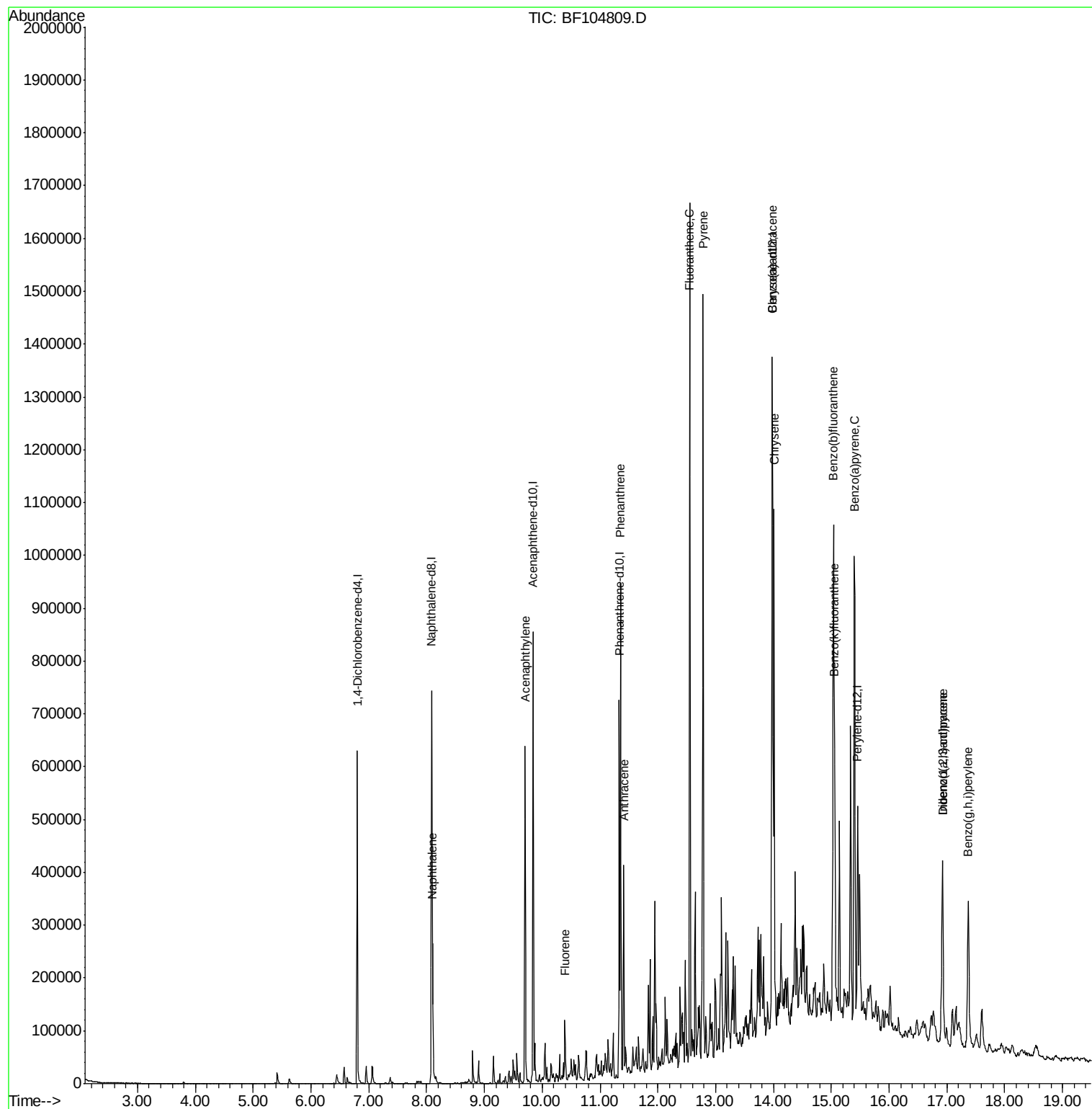
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
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ALS Vial : 28 Sample Multiplier: 1

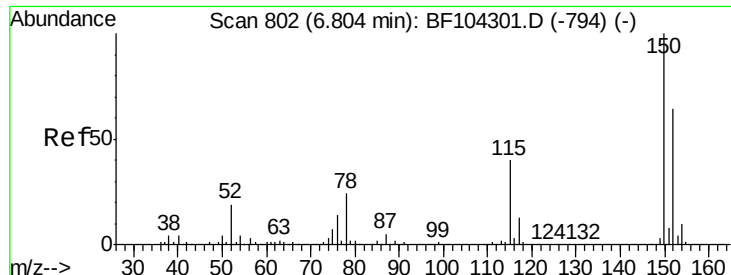
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#1

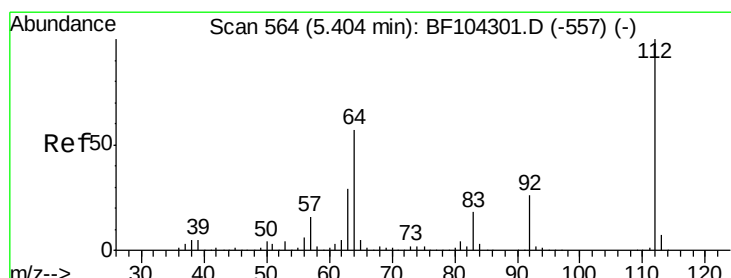
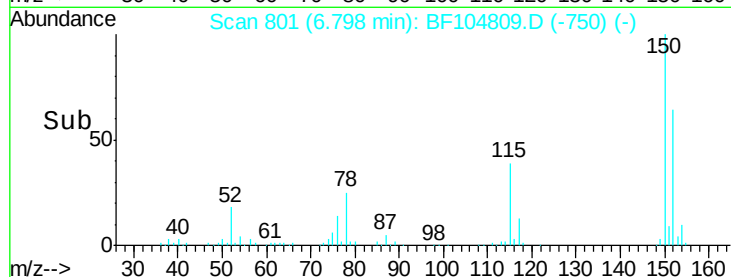
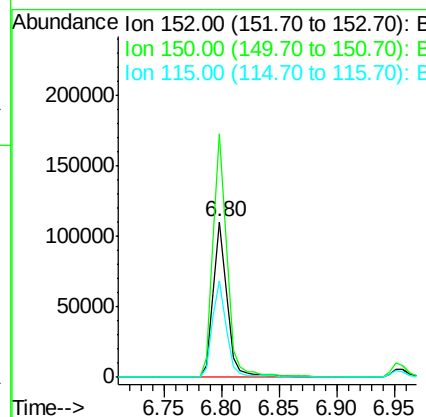
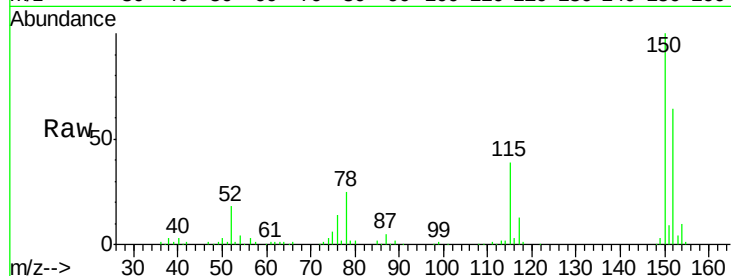
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :
A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	61.6	50.1	75.1

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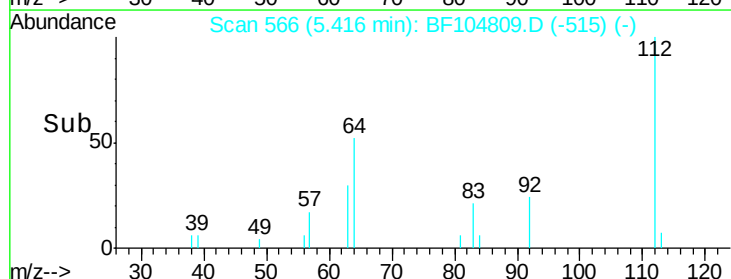
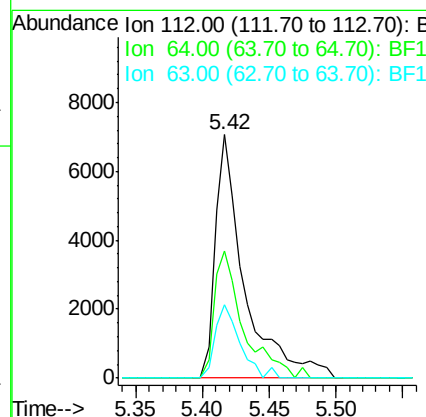
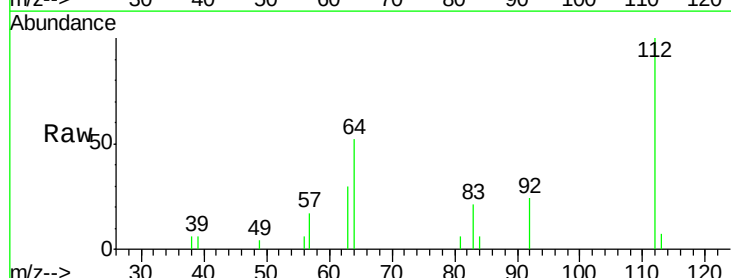
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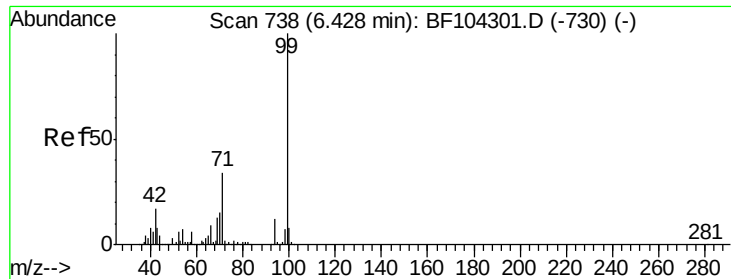


#5

2-Fluorophenol
Concen: 1.762 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 1.788 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Instrument :

BNA_F

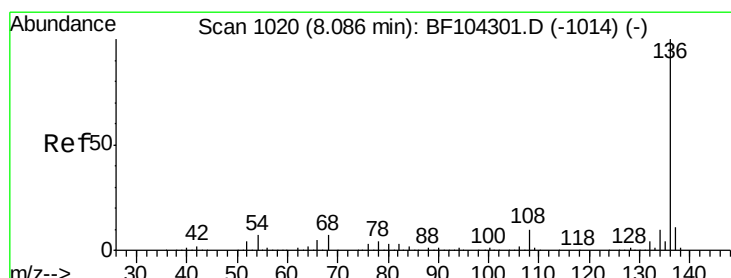
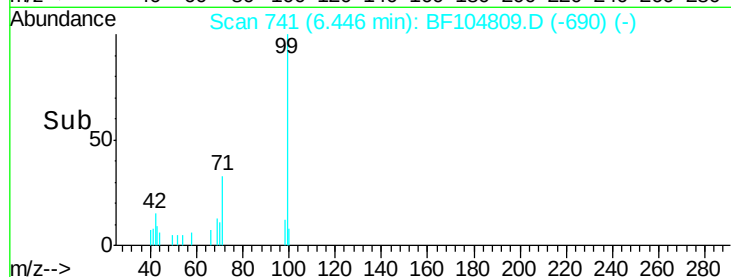
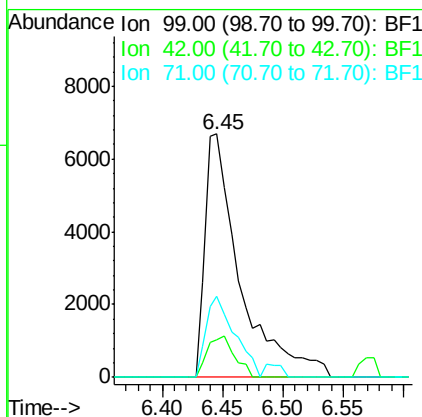
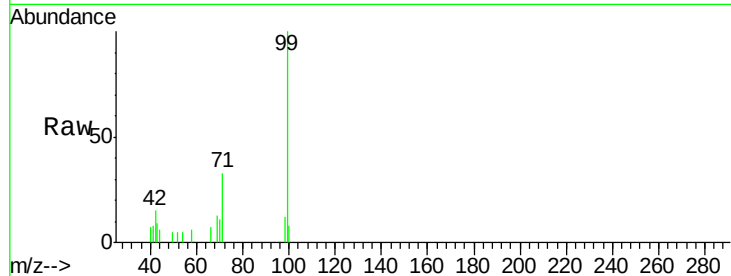
ClientSampleId :

A2-SB01-NW-3

Tot Ion:	99	Resp:	13509
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	33.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

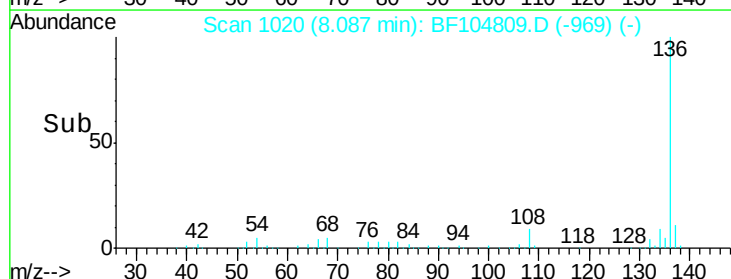
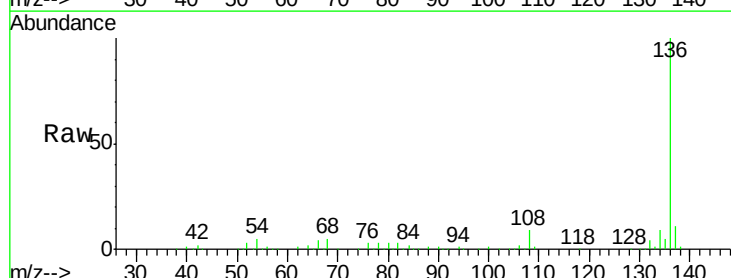
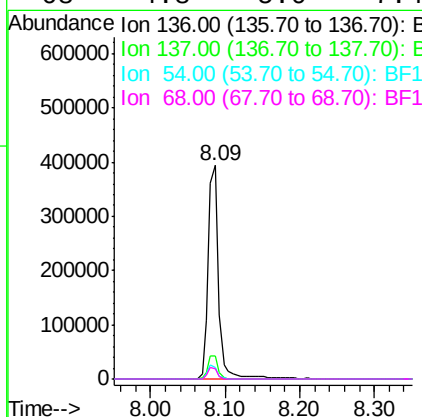
RT: 8.09 min Scan# 1020

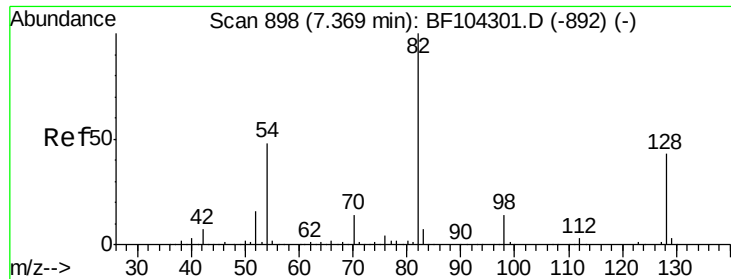
Delta R.T. 0.00 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Tgt Ion:	136	Resp:	387720
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	5.5	6.6	9.8#
68	4.8	5.0	7.4#





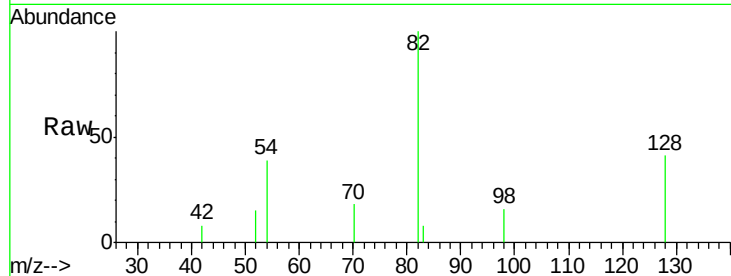
#23
Nitrobenzene-d5
Concen: 1.238 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :
A2-SB01-NW-3

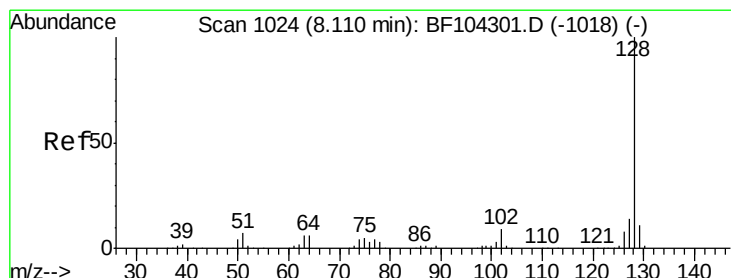
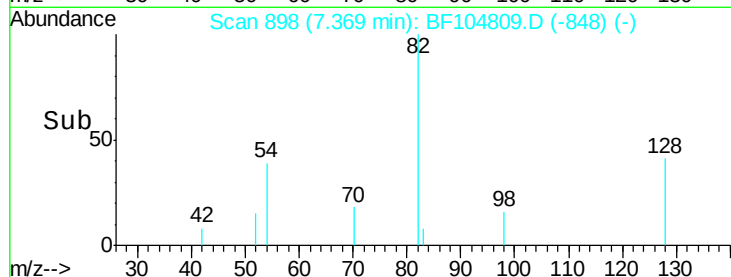
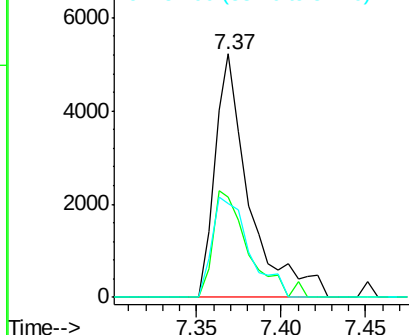
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.3	36.1	54.1
54	38.8	41.4	62.2

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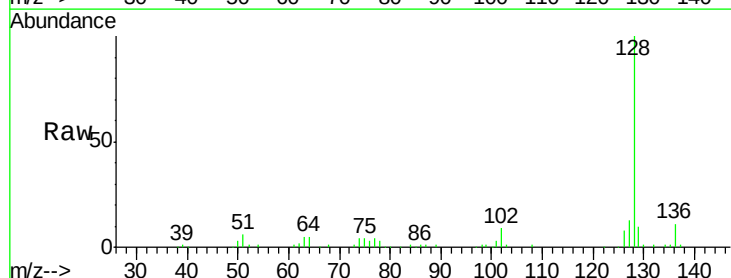


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

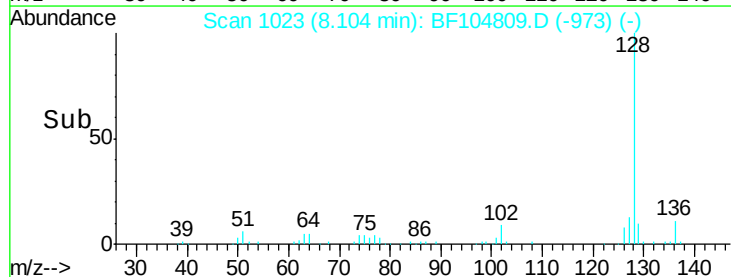
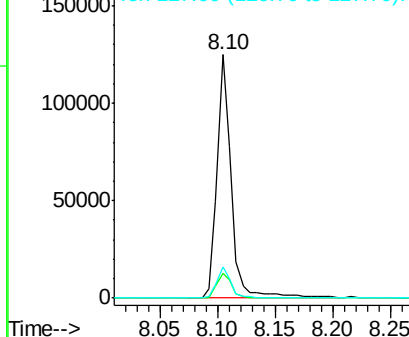


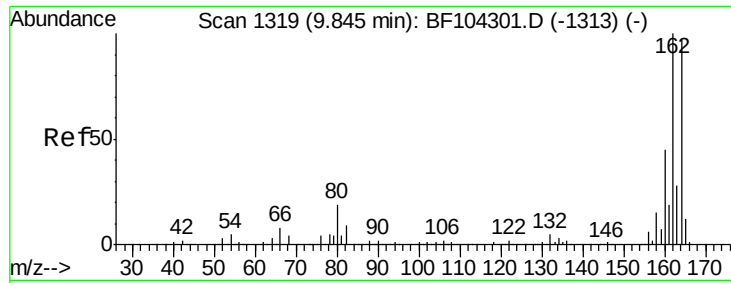
#31
Naphthalene
Concen: 5.532 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.8	13.2
127	12.6	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1





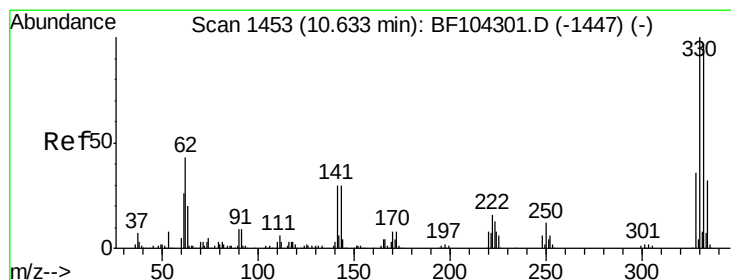
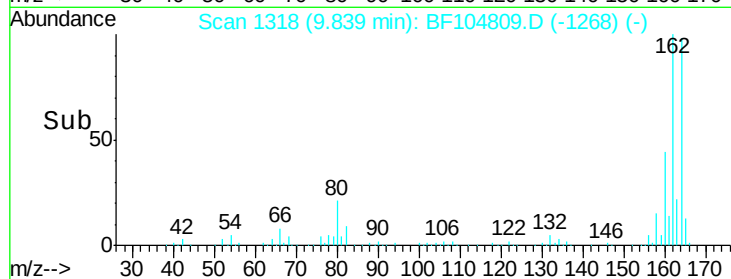
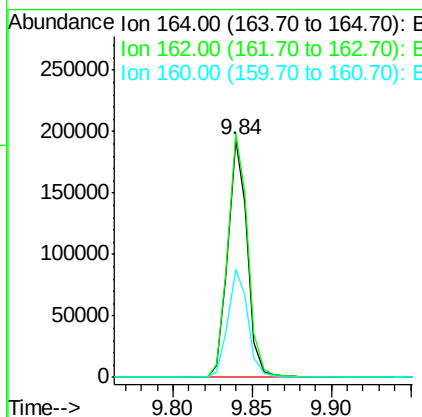
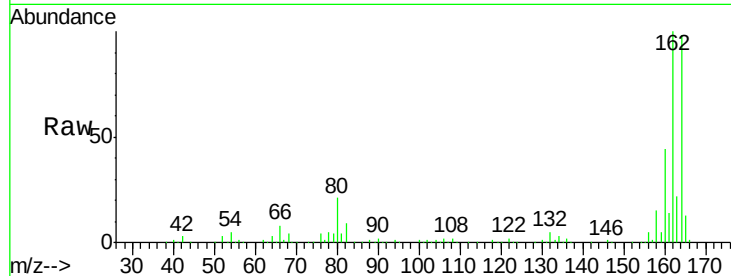
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	45.3	38.3	57.5

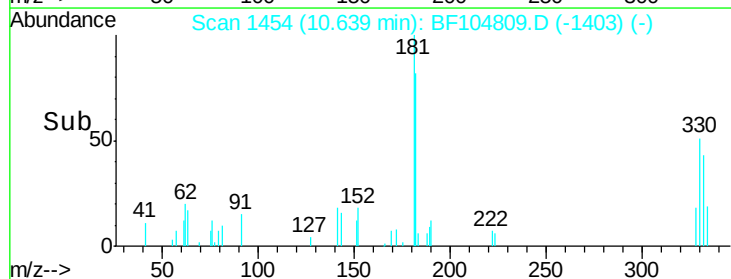
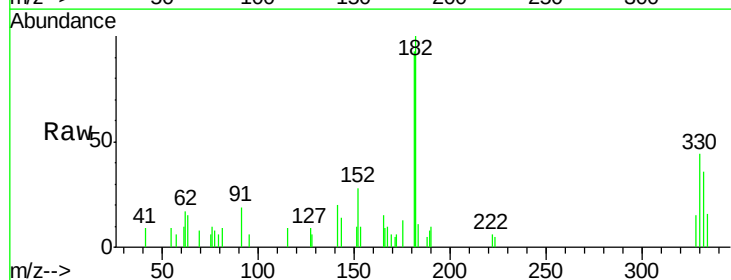
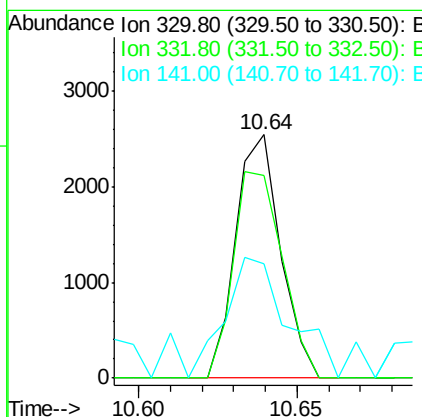
Manual Integrations
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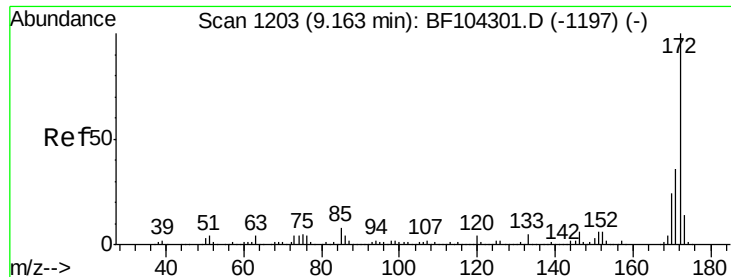
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#41
 2,4,6-Tribromophenol
 Concen: 1.452 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.4	77.0	115.6
141	77.4	29.9	44.9#





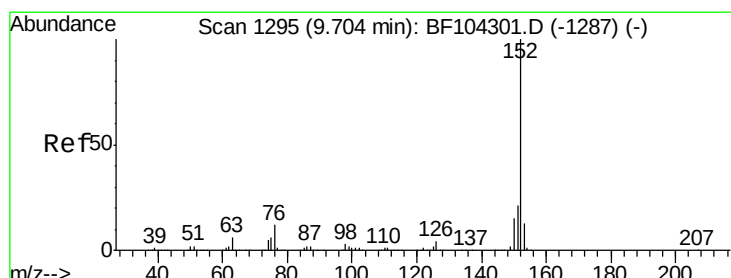
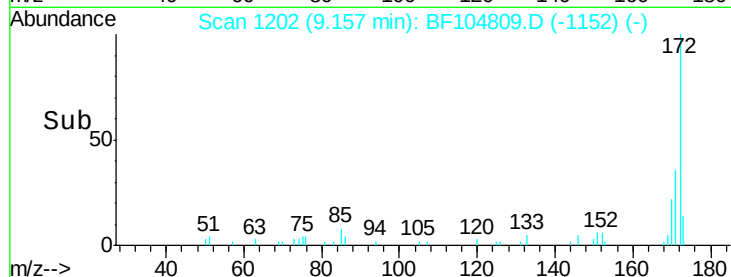
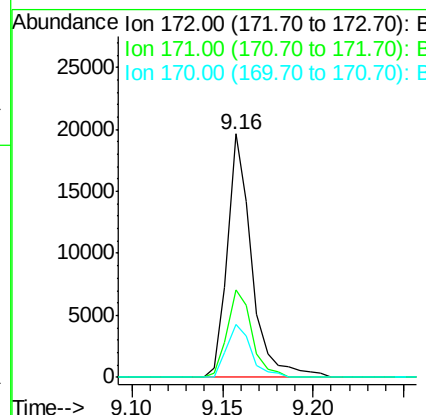
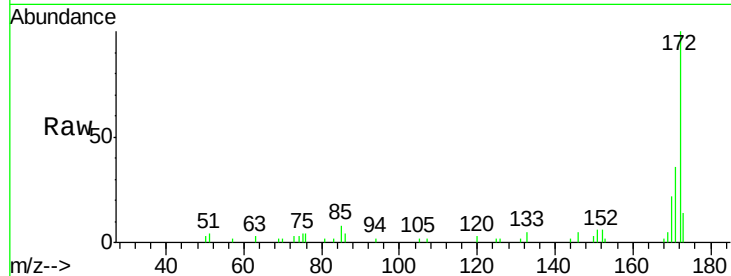
#44
2-Fluorobiphenyl
Concen: 1.762 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :
A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	21.5	19.6	29.4

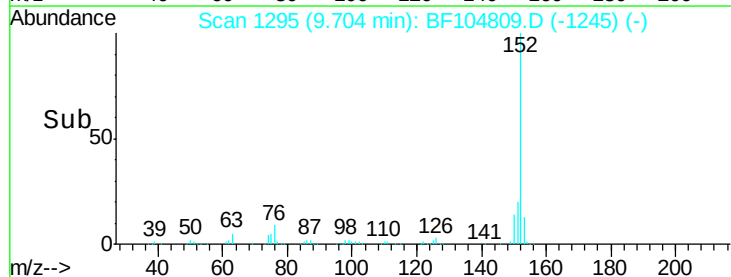
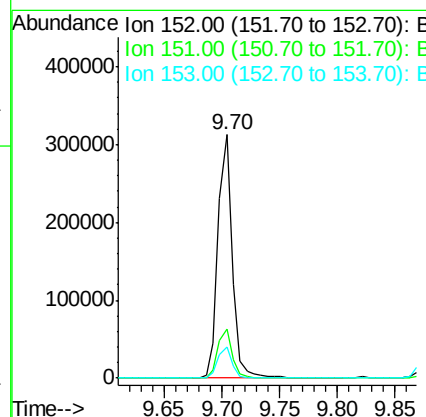
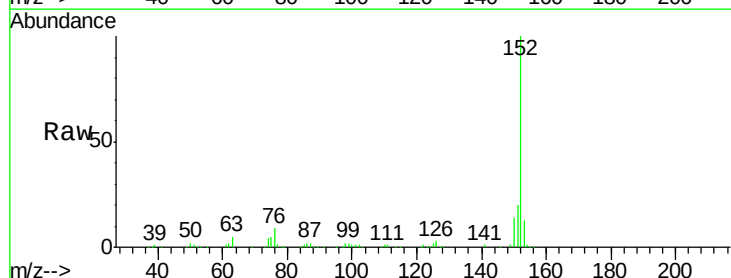
Manual Integrations
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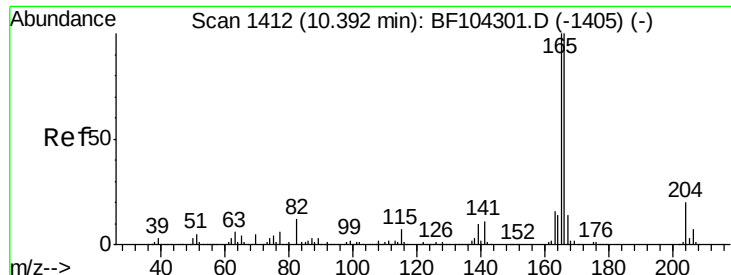
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#48
Acenaphthylene
Concen: 15.734 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	12.6	10.7	16.1





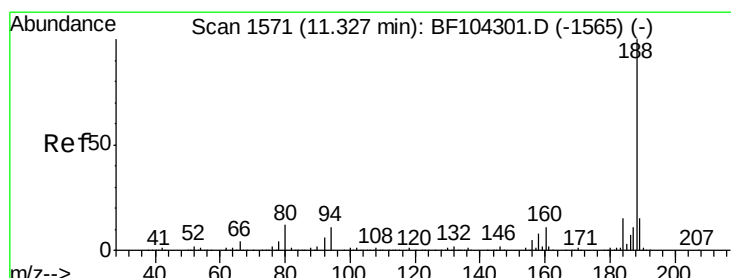
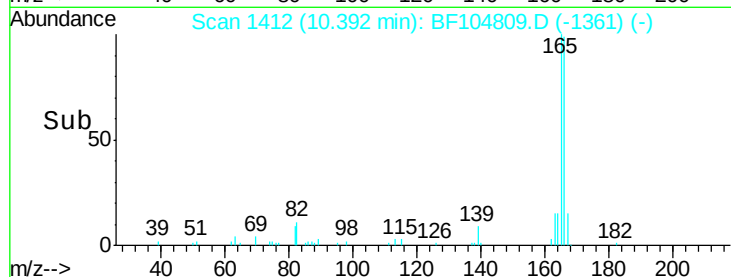
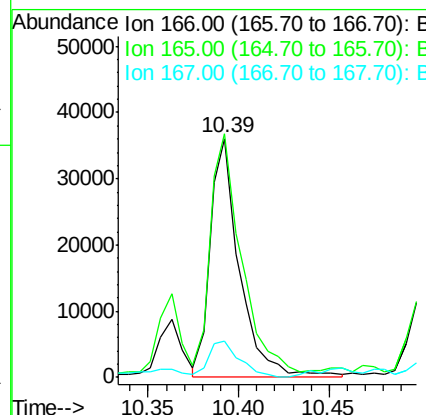
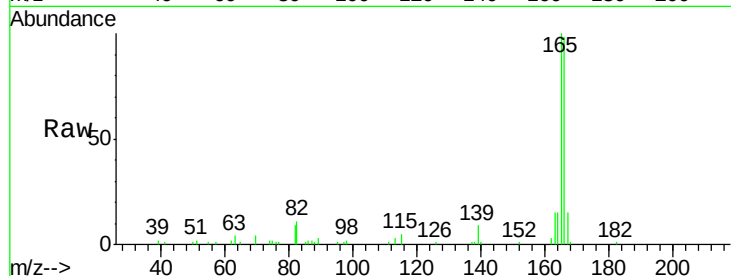
#57
Fluorene
 Concen: 3.760 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.0	79.8	119.8
167	15.3	10.6	16.0

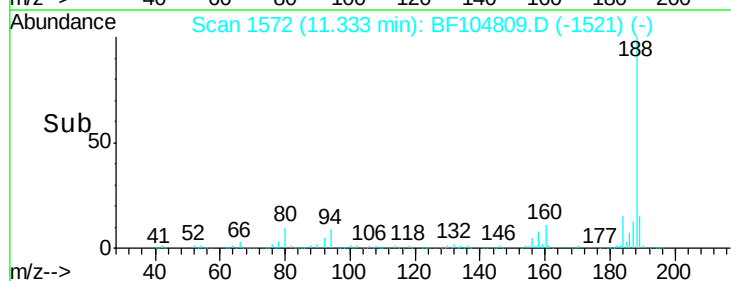
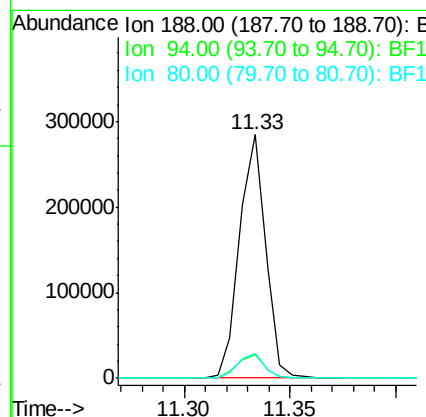
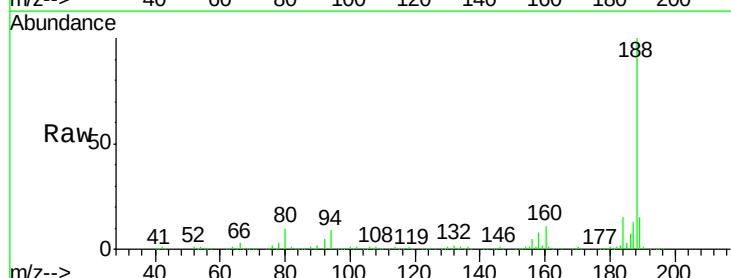
Manual Integrations
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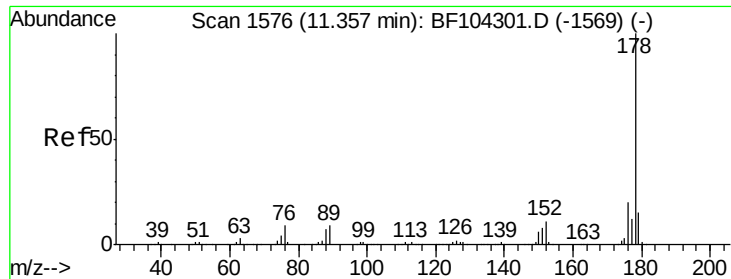
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.0	9.2	13.8





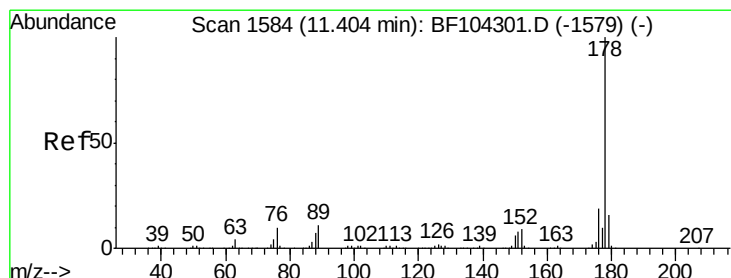
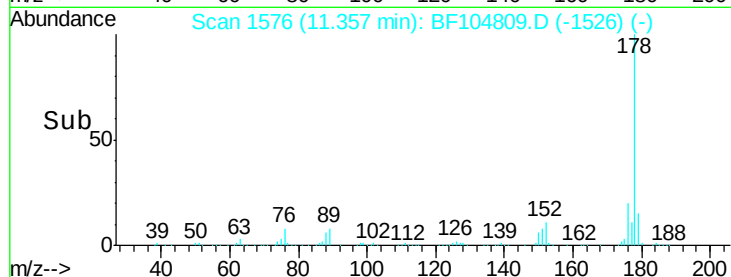
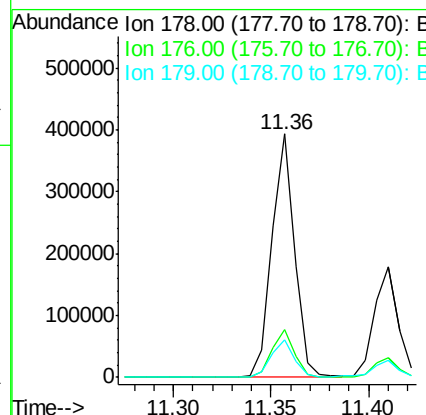
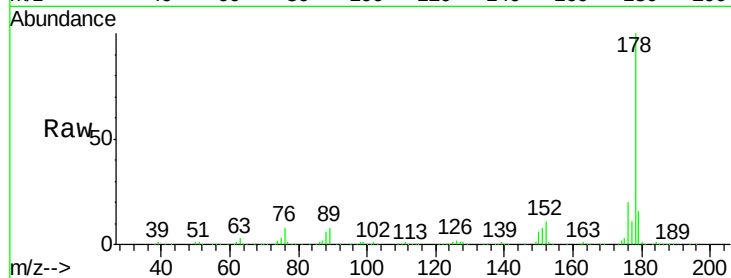
#70
Phenanthrene
Concen: 23.418 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :
A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.5	13.0	19.6

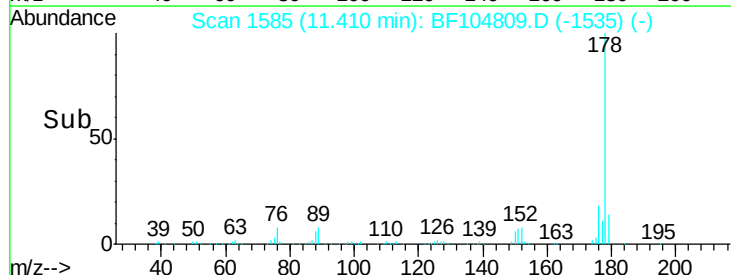
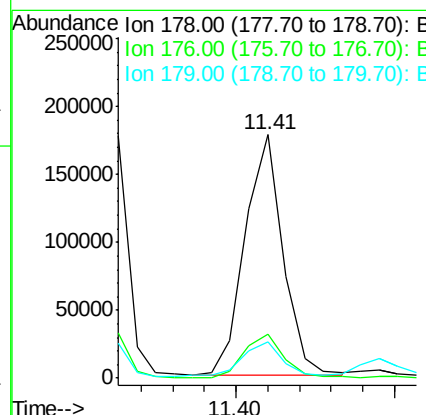
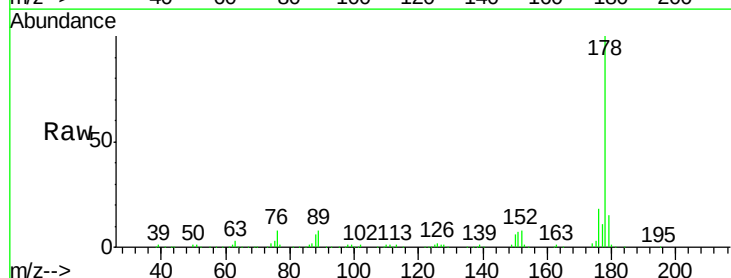
Manual Integrations
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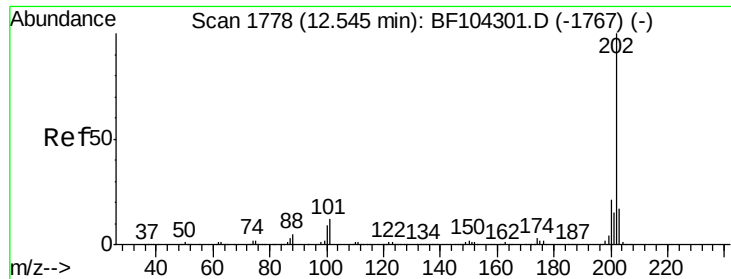
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#71
Anthracene
Concen: 10.660 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 43.342 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Instrument :

BNA_F

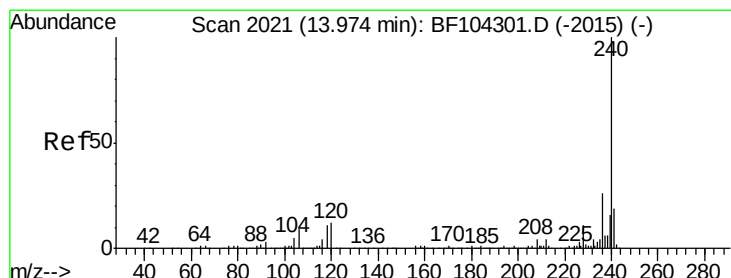
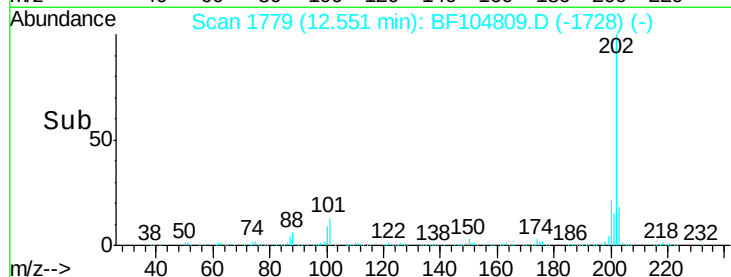
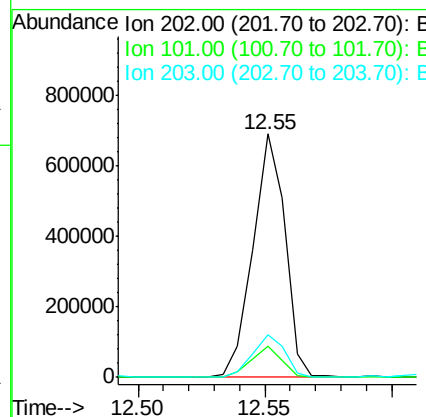
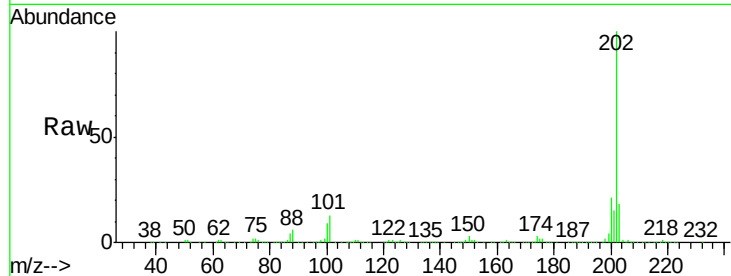
ClientSampleId :

A2-SB01-NW-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	34.1
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

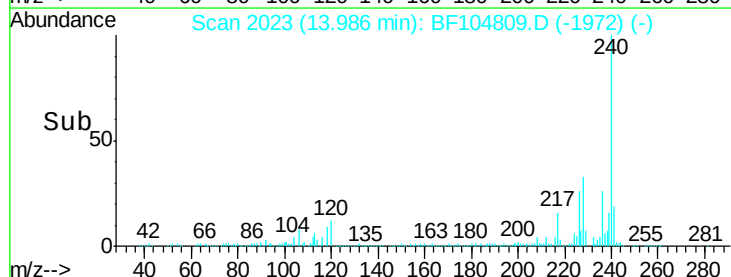
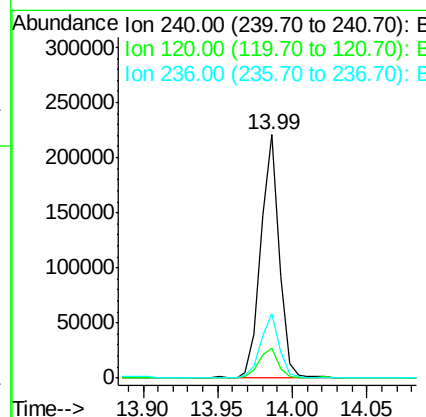
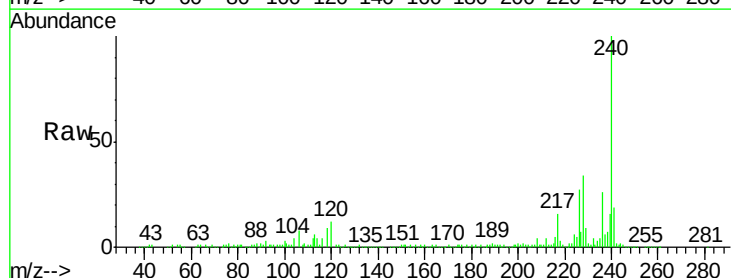
RT: 13.99 min Scan# 2023

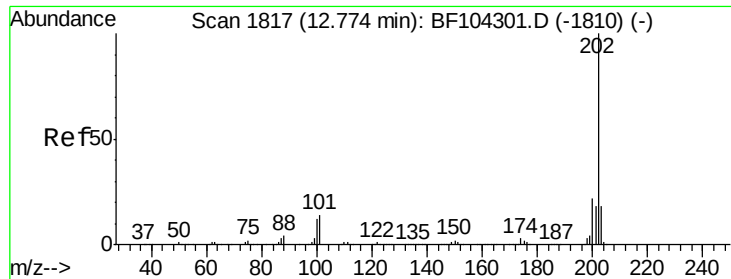
Delta R.T. 0.00 min

Lab File: BF104809.D

Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	9.5	14.3
236	26.4	20.7	31.1





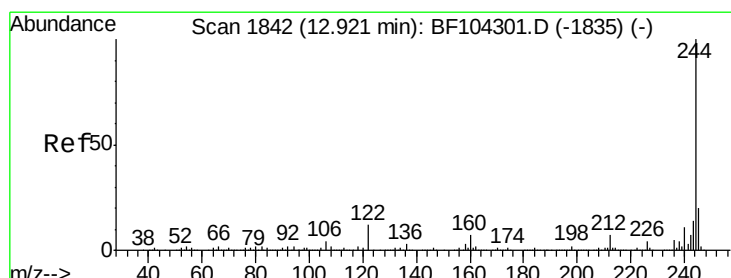
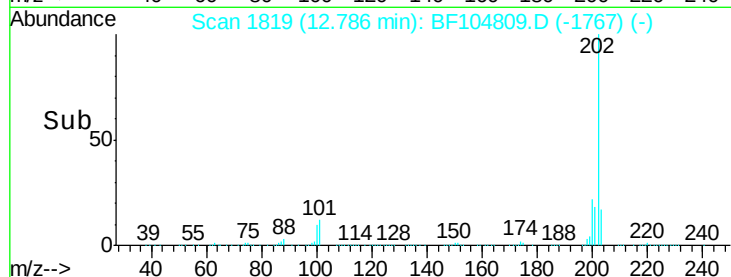
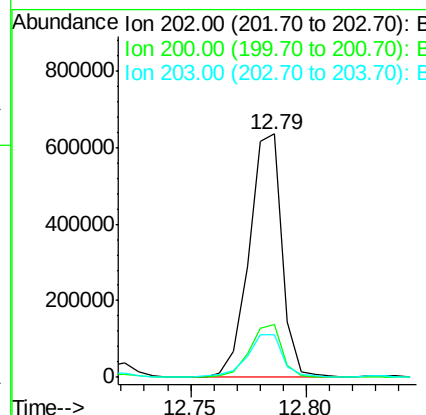
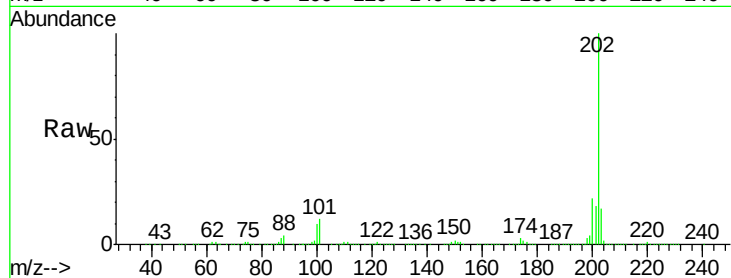
#77
Pvrene
Concen: 45.501 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :
A2-SB01-NW-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.4	14.3	21.5

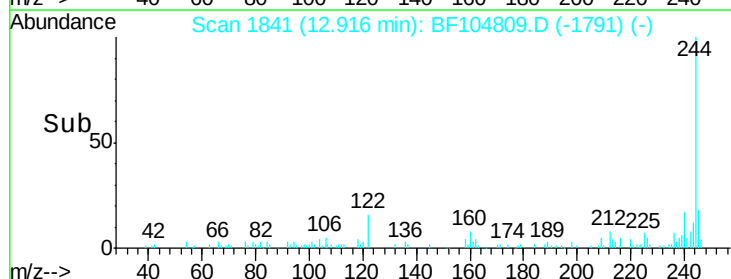
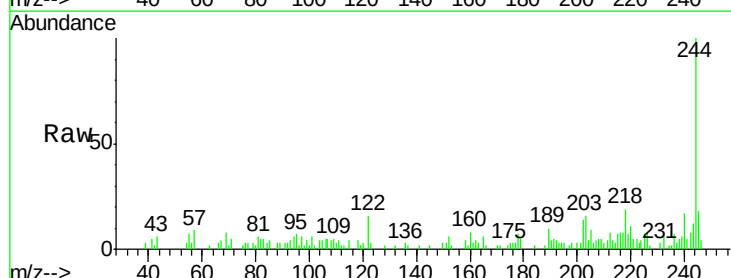
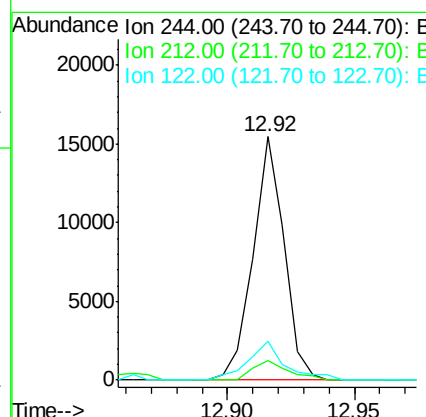
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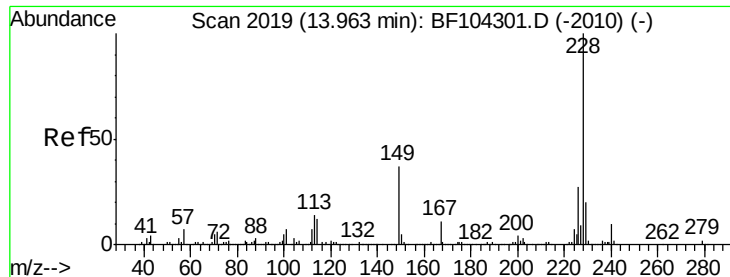
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#78
Terphenyl-d14
Concen: 1.620 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.0	5.4	8.0#
122	16.2	11.0	16.4





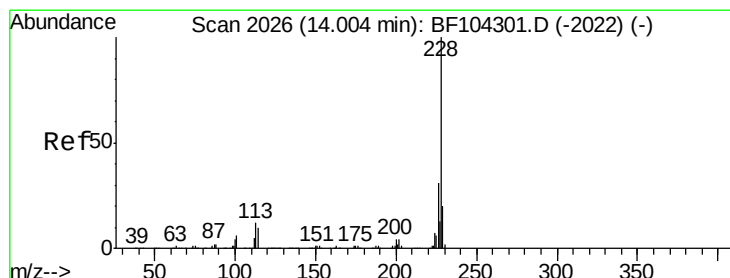
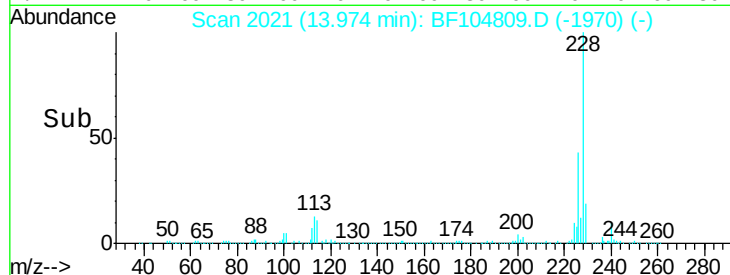
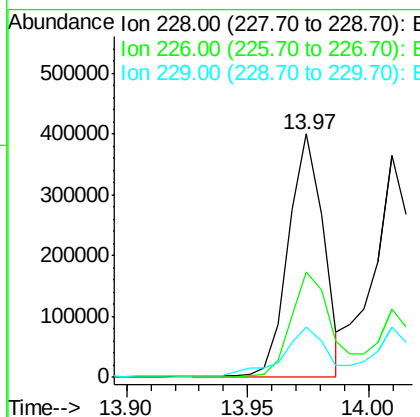
#80
Benzo(a)anthracene
Concen: 35.975 ng m
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :
A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.5	22.6	33.8#
229	20.4	15.8	23.6

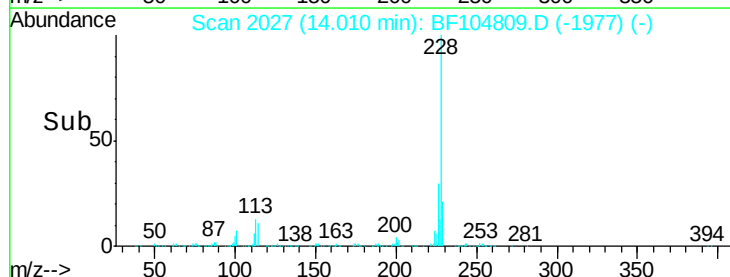
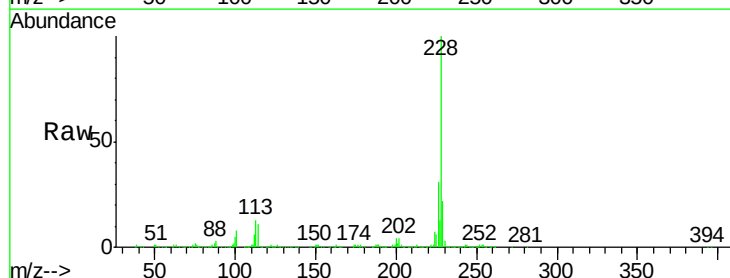
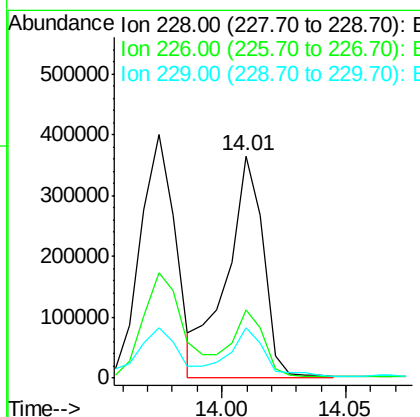
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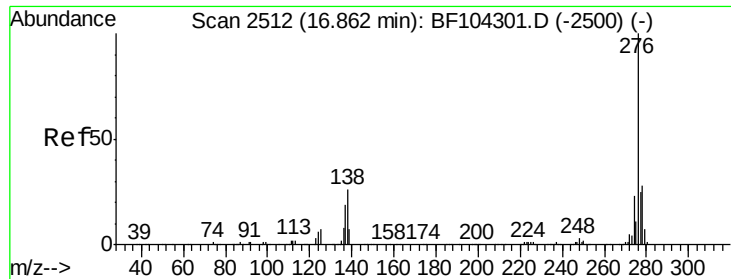
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#82
Chrysene
Concen: 33.388 ng m
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.4	16.2	24.4





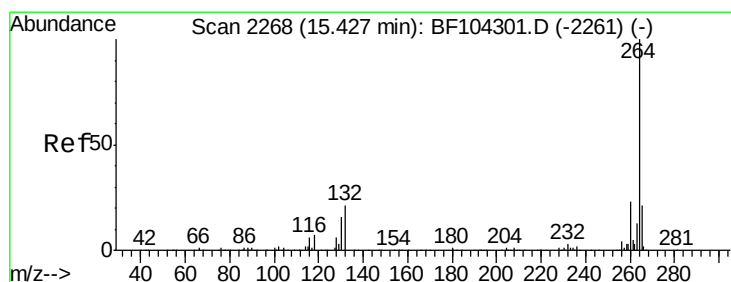
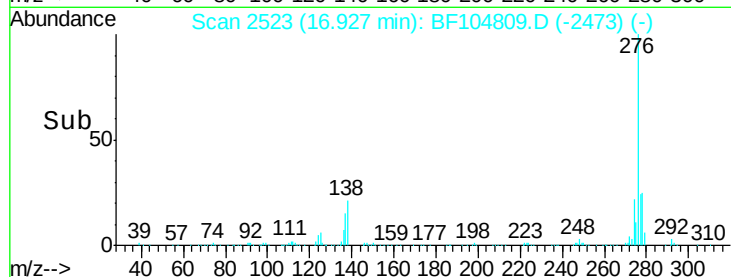
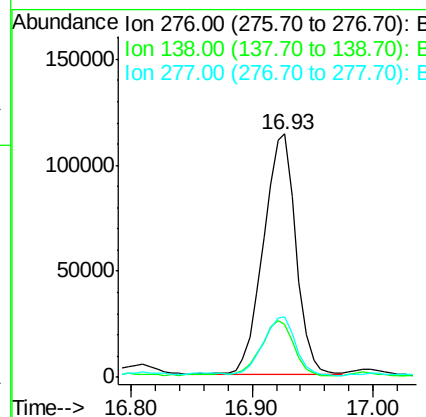
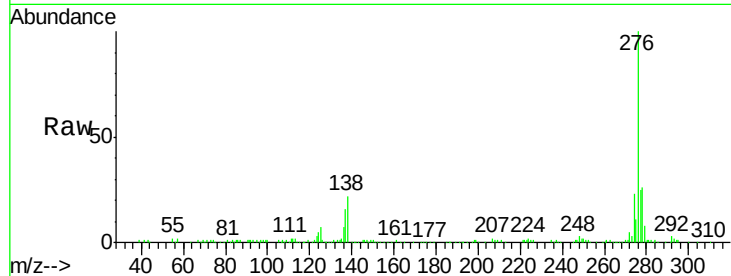
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.924 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	25.0	37.6#
277	24.5	20.1	30.1

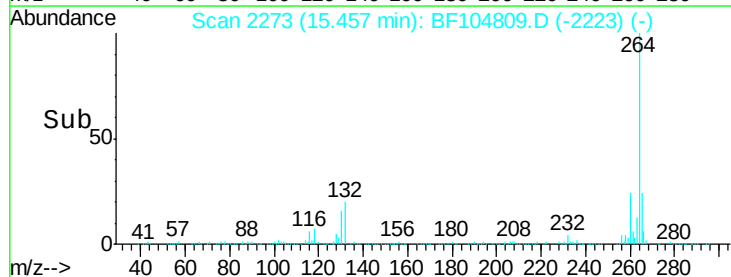
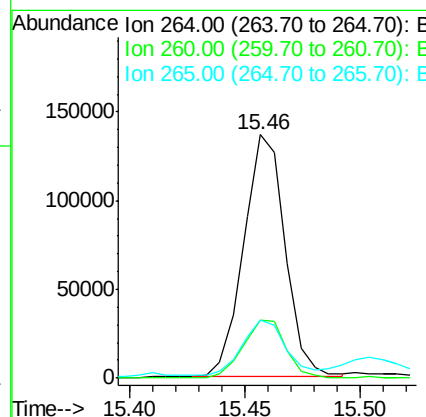
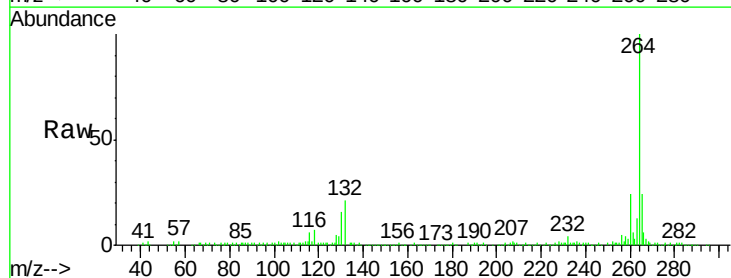
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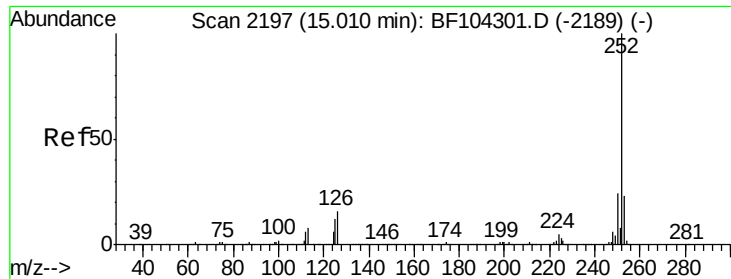
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.01 min
 Lab File: BF104809.D
 Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.7	17.5	26.3





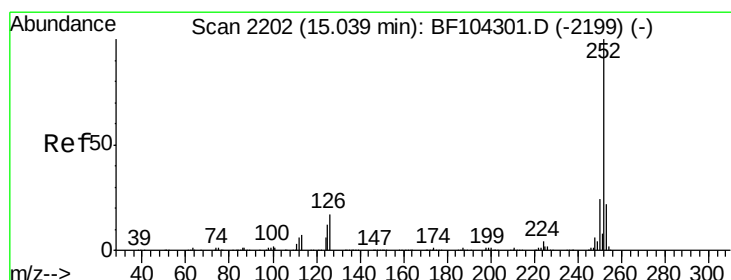
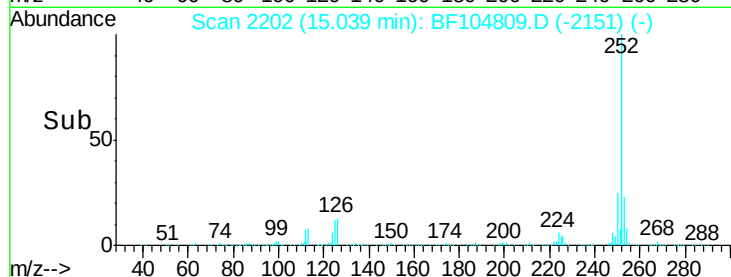
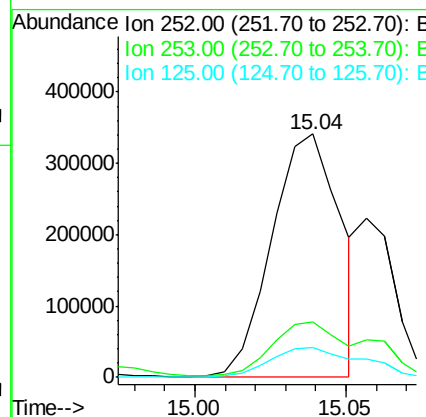
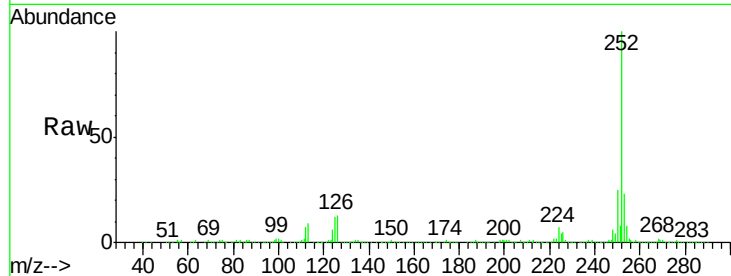
#87
Benzo(b)fluoranthene
Concen: 49.696 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :
A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.4	9.0	13.6

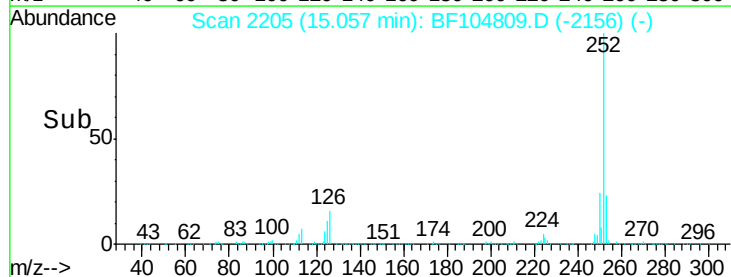
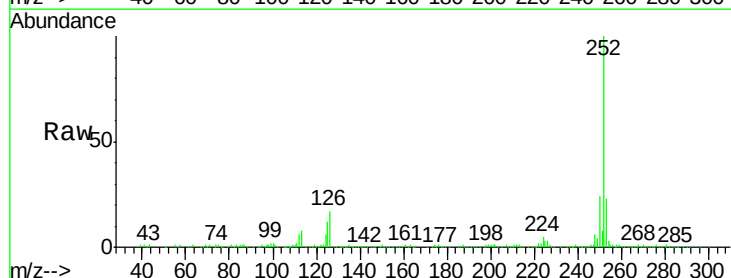
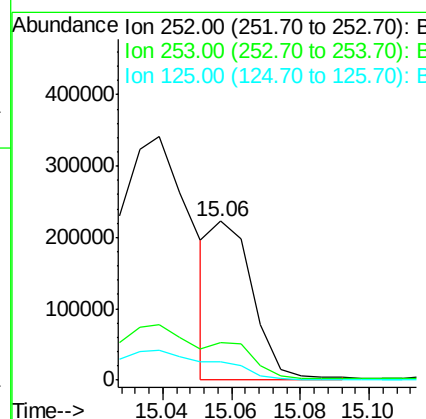
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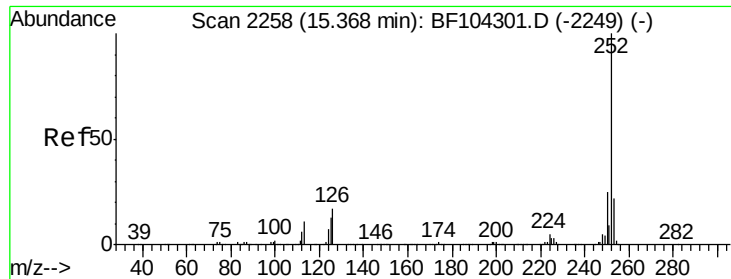
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#88
Benzo(k)fluoranthene
Concen: 18.205 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	11.7	10.2	15.2





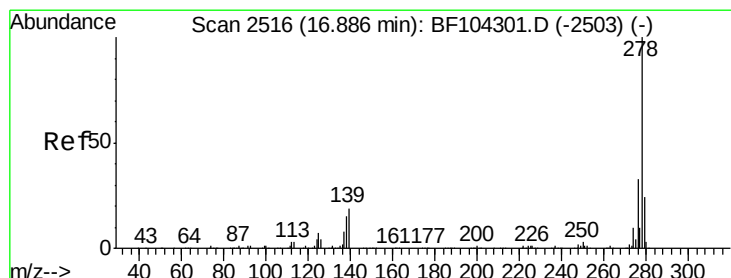
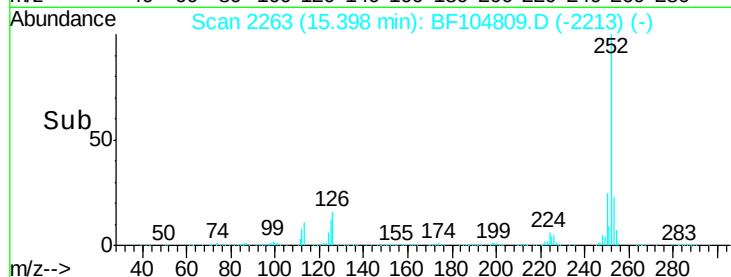
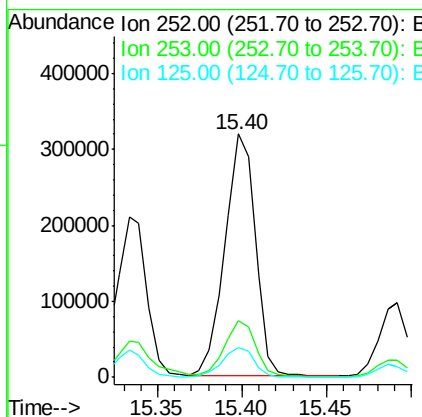
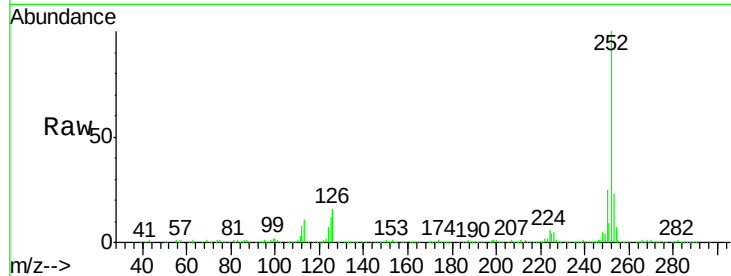
#89
Benzo(a)pyrene
Concen: 41.460 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :
A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	12.4	9.8	14.6

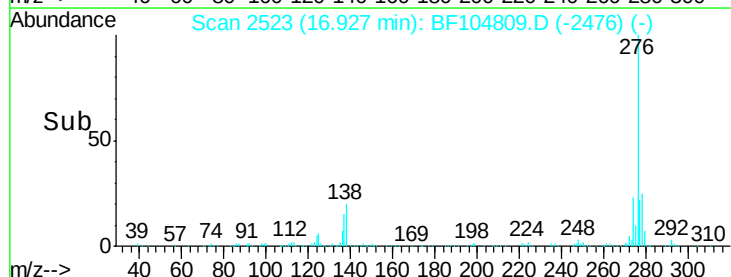
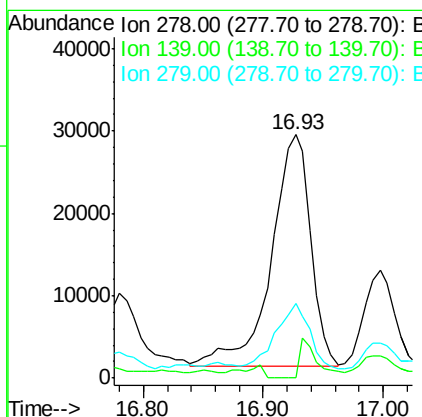
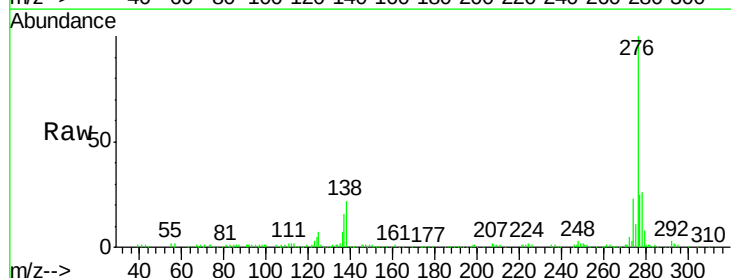
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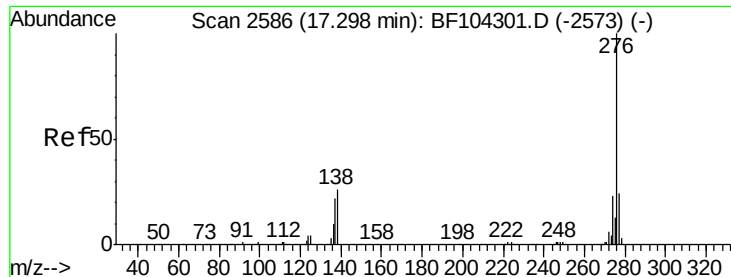
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#90
Dibenzo(a,h)anthracene
Concen: 8.057 ng m
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	30.5	19.0	28.4#





#91
Benzo(a,h,i)perylene
Concen: 29.055 ng
RT: 17.37 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BF104809.D
Acq: 26 Apr 2018 1:38

Instrument :
BNA_F
ClientSampleId :
A2-SB01-NW-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.9	26.9
138	23.0	21.8	32.8

Manual Integrations
APPROVED

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