

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104169.D
 Acq On : 3 Apr 2018 8:46
 Operator : JU/SJ
 Sample : J2176-07
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_S_8

Manual Integrations
 APPROVED

Sohil
 4/3/2018 2:28:38 PM

Quant Time: Apr 03 12:28:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	88013	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	365232	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	154164	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	233955	20.00	ng	0.00
75) Chrysene-d12	14.16	240	191272	20.00	ng	0.00
86) Perylene-d12	15.70	264	129632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	561816	101.80	ng	0.00
7) Phenol-d6	6.60	99	729735	107.47	ng	0.00
23) Nitrobenzene-d5	7.53	82	416781	69.79	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	144109	83.95	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	692332	70.82	ng	0.00
78) Terphenyl-d14	13.08	244	448452	54.14	ng	0.00
Target Compounds						
31) Naphthalene	8.26	128	50426	2.826	ng	98
48) Acenaphthylene	9.86	152	68952	4.361	ng	99
49) Dimethylphthalate	9.70	163	64391	5.290	ng	98
57) Fluorene	10.55	166	26928	2.444	ng	97
70) Phenanthrene	11.52	178	328761	25.955	ng	98
71) Anthracene	11.57	178	128518	9.714	ng	96
72) Carbazole	11.74	167	30126	2.386	ng	95
74) Fluoranthene	12.72	202	481321	35.749	ng	99
77) Pyrene	12.95	202	439356	31.954	ng	99
80) Benzo(a)anthracene	14.14	228	217342	18.160	ng	95
82) Chrysene	14.18	228	192622	16.432	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	63656	5.240	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	158845m	20.134	ng	
88) Benzo(k)fluoranthene	15.26	252	78254m	10.530	ng	
89) Benzo(a)pyrene	15.63	252	122271	16.724	ng	98
90) Dibenzo(a,h)anthracene	17.30	278	14414	2.132	ng	# 91
91) Benzo(a,h,i)perylene	17.77	276	59238	8.750	ng	96

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

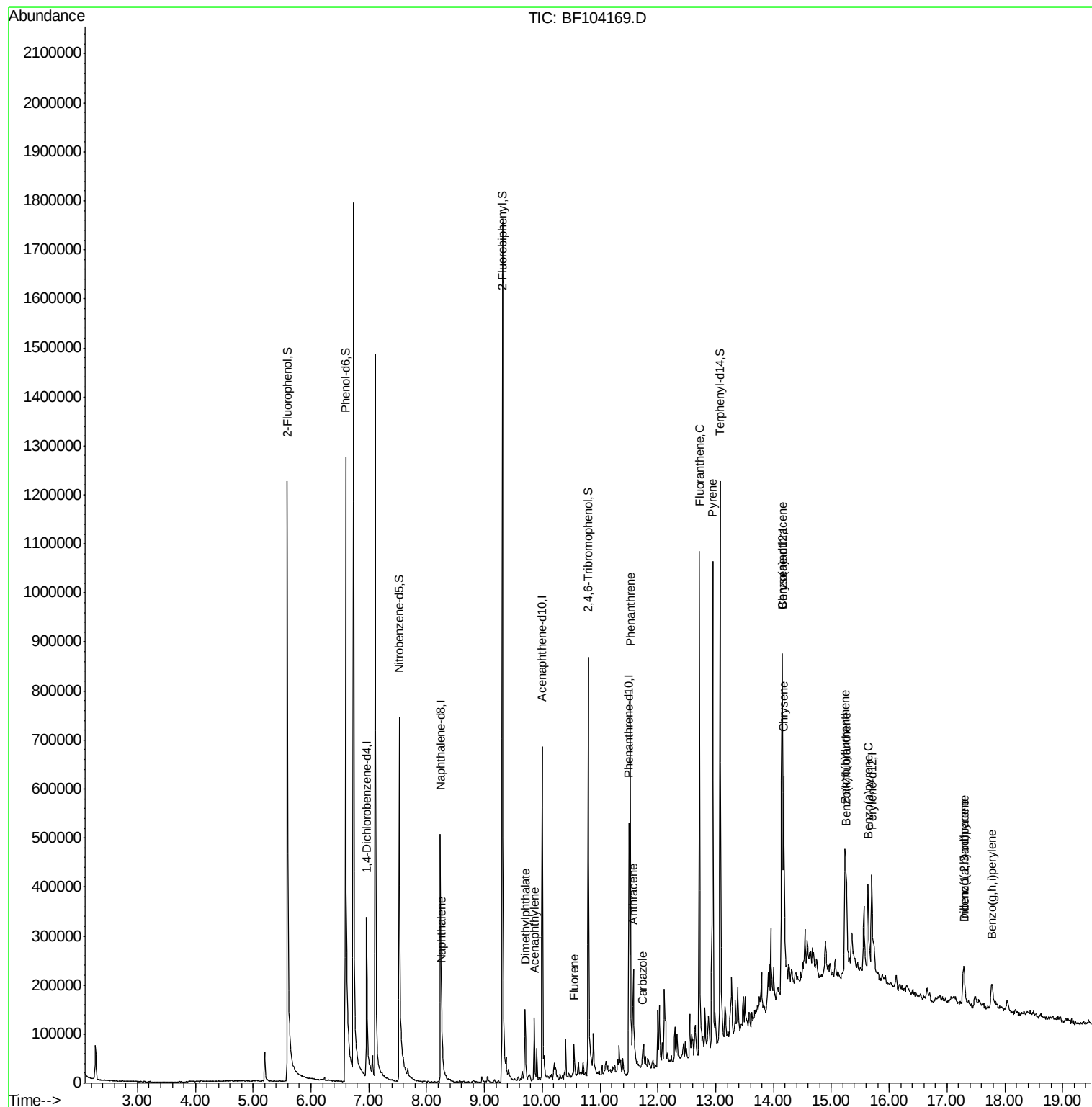
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
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#1

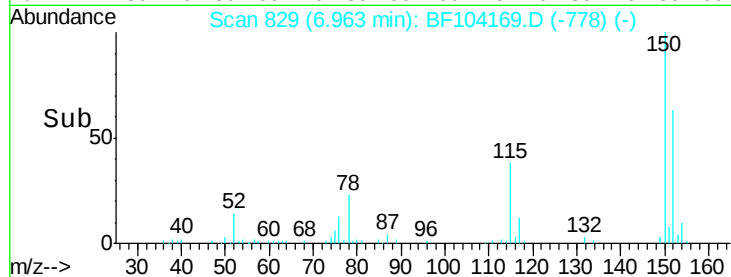
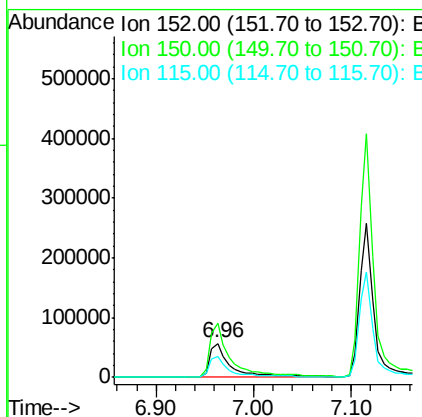
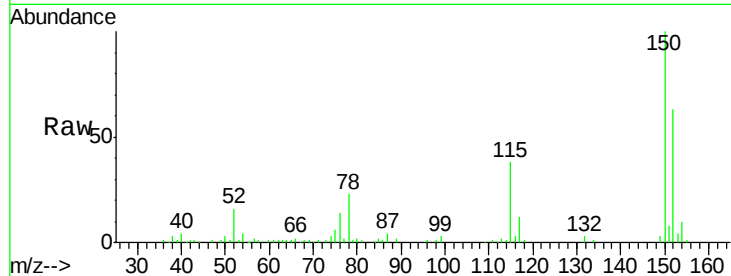
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Instrument :
BNA_F
ClientSampleId :
A2_SB52_S_8

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	60.9	50.1	75.1

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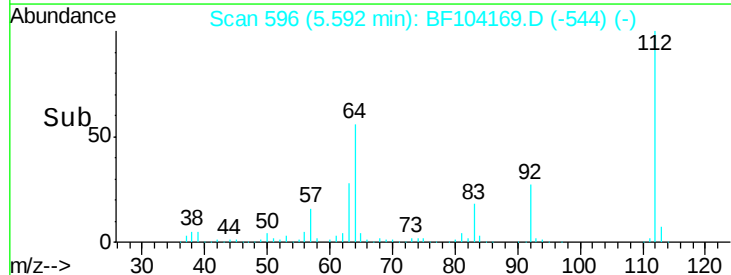
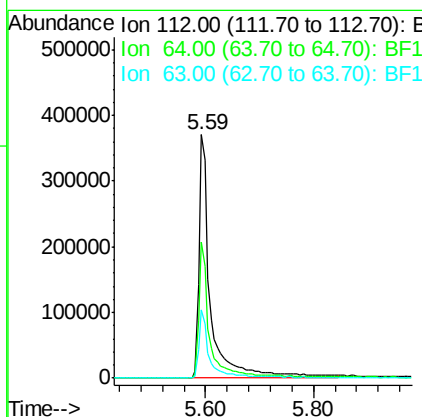
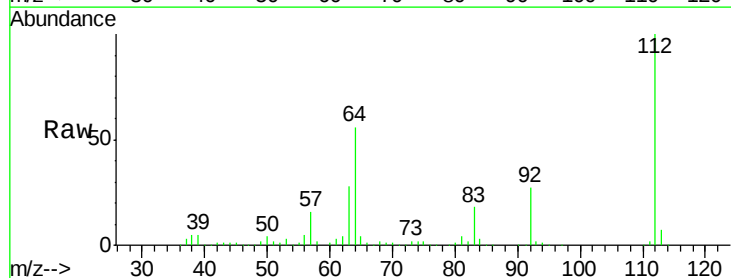
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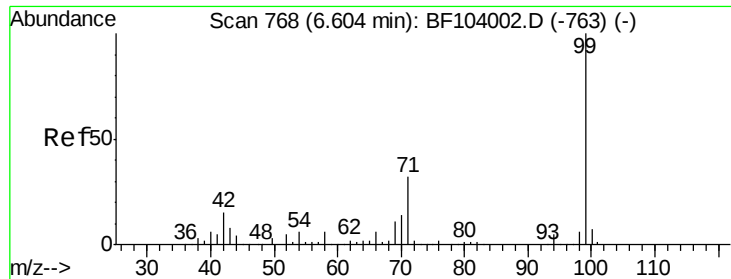


#5

2-Fluorophenol
Concen: 101.798 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 107.473 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104169.D

Acq: 3 Apr 2018 8:46

Instrument :

BNA_F

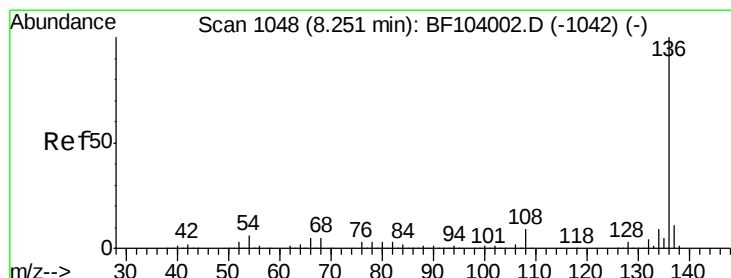
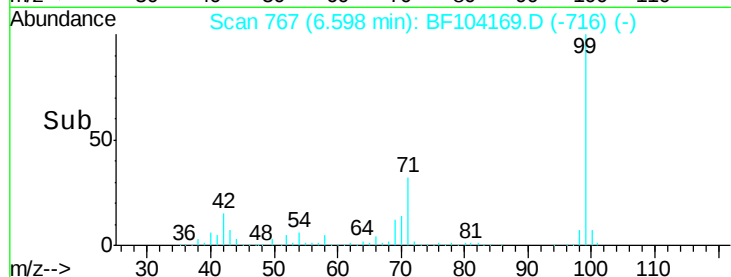
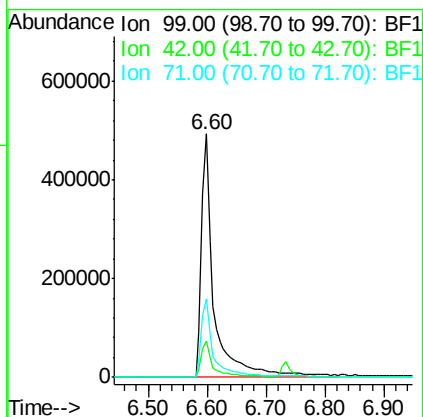
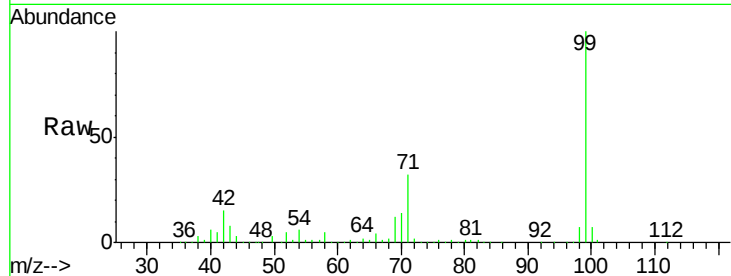
ClientSampleId :

A2_SB52_S_8

Tot Ion:	99	Resp:	729735
Ion Ratio	Lower	Upper	
99	100		
42	14.7	14.5	21.7
71	32.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

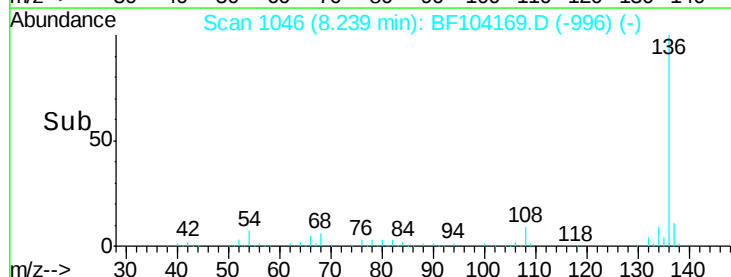
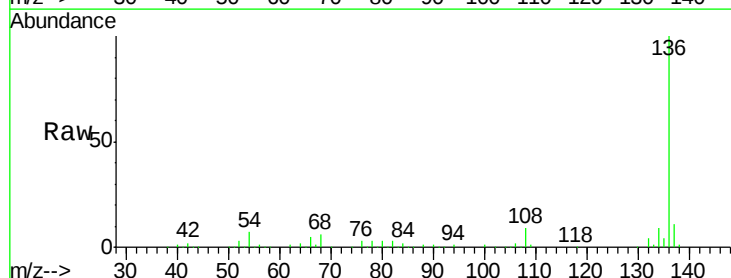
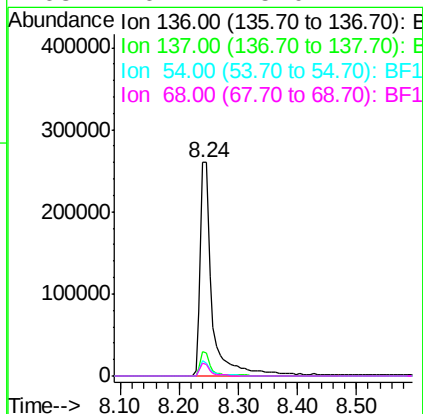
RT: 8.24 min Scan# 1046

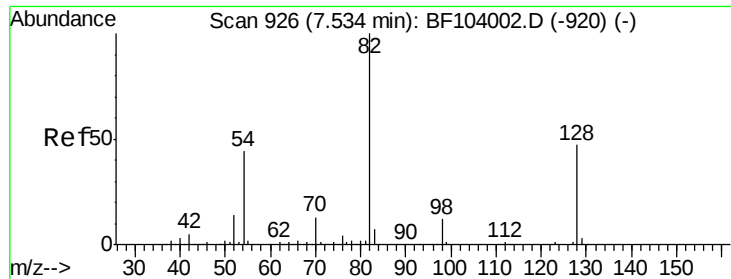
Delta R.T. -0.01 min

Lab File: BF104169.D

Acq: 3 Apr 2018 8:46

Tgt Ion:	136	Resp:	365232
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	7.4	6.6	9.8
68	6.2	5.0	7.4





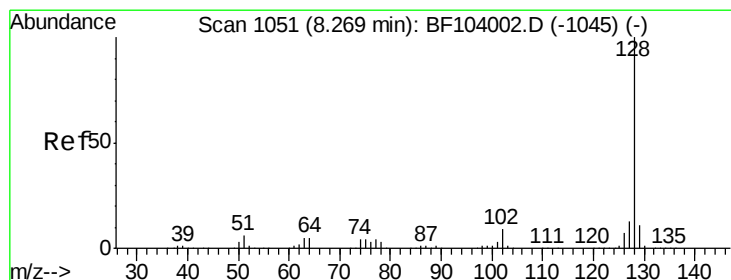
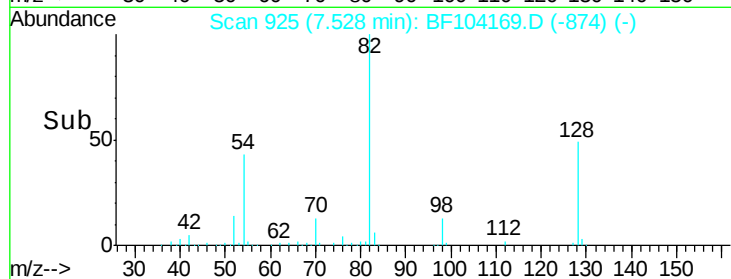
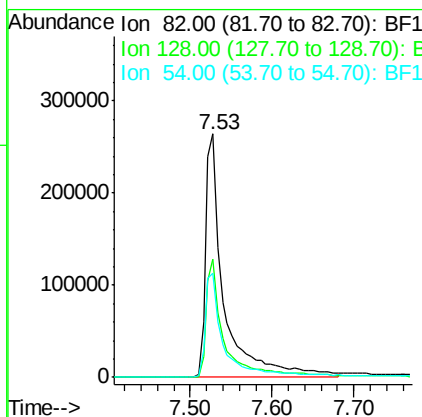
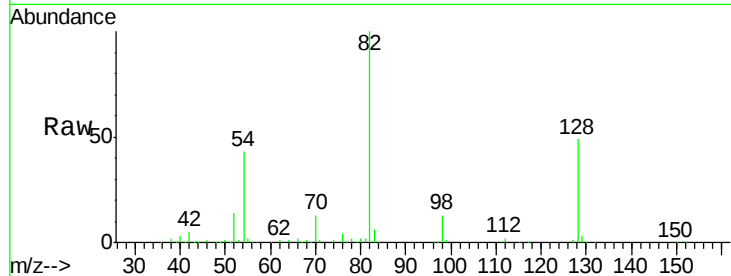
#23
 Nitrobenzene-d5
 Concen: 69.787 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF104169.D
 Acq: 3 Apr 2018 8:46

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_S_8

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.1	54.1
54	42.9	41.4	62.2

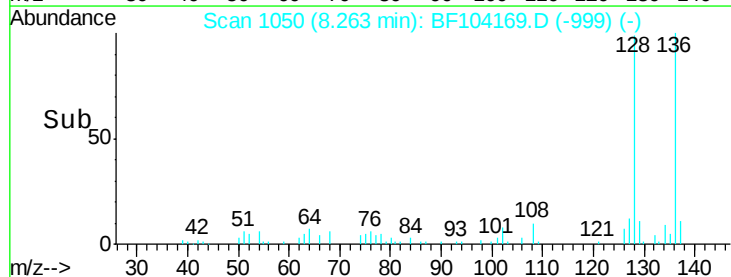
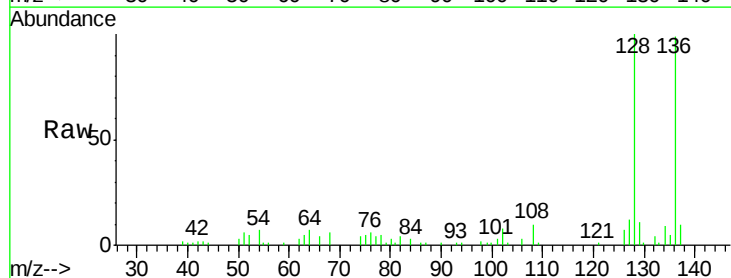
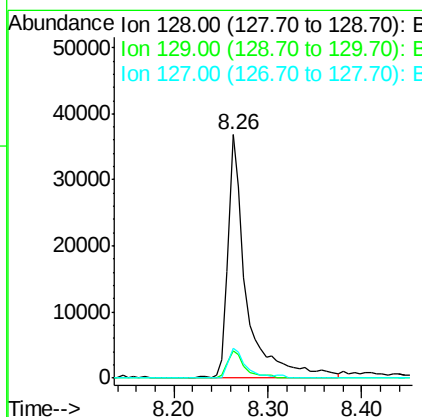
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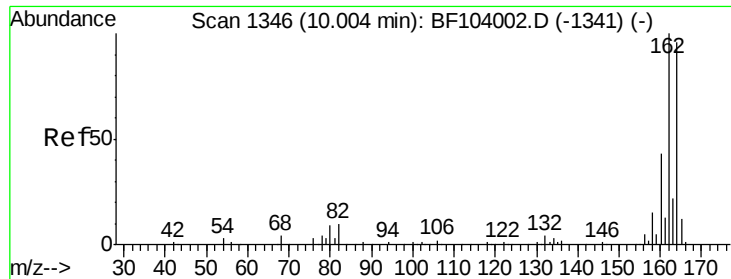
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#31
 Naphthalene
 Concen: 2.826 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BF104169.D
 Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.3	10.9	16.3





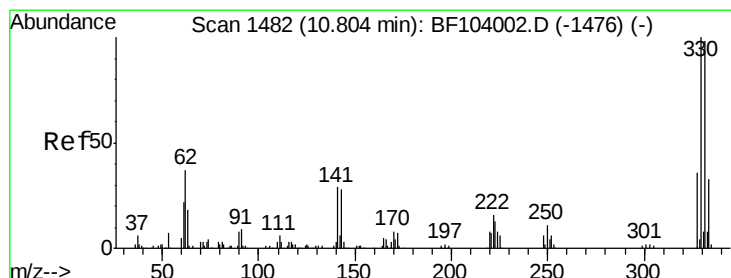
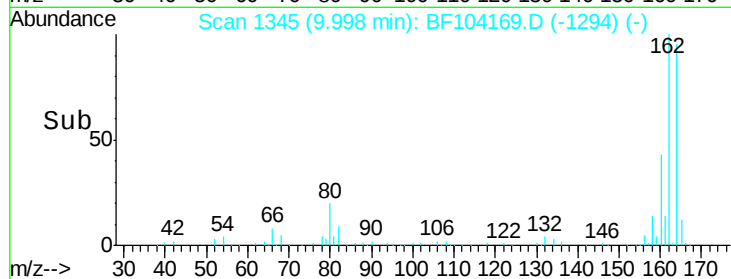
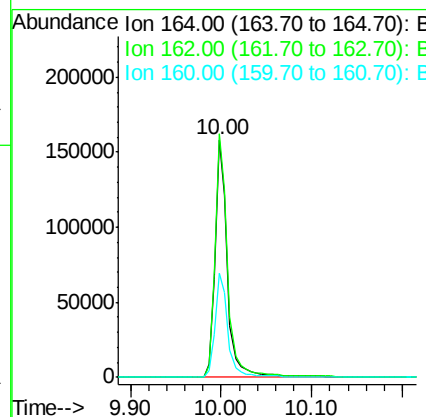
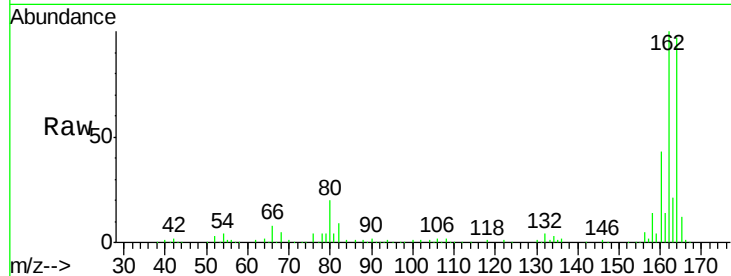
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Instrument :
BNA_F
ClientSampleId :
A2_SB52_S_8

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	43.7	38.3	57.5

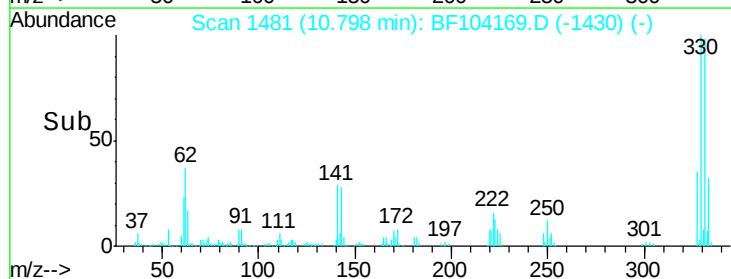
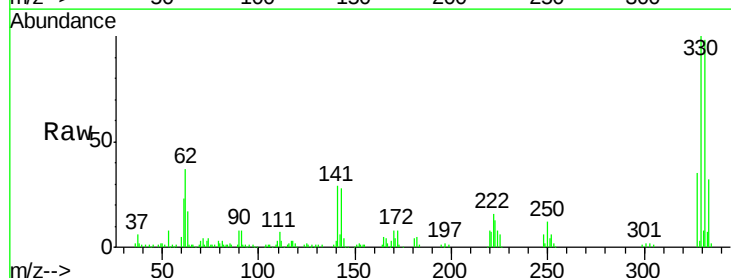
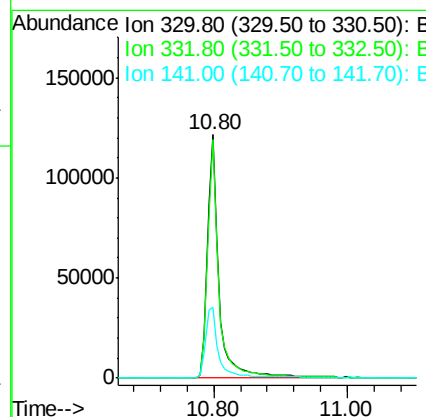
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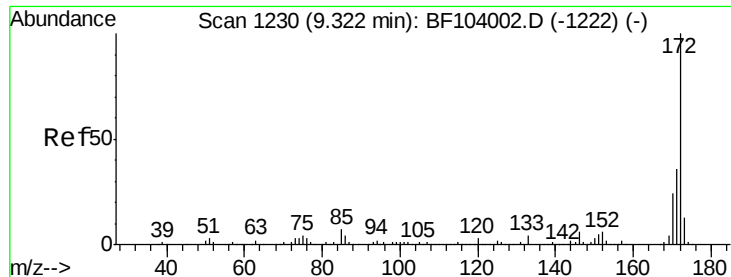
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#41
2,4,6-Tribromophenol
Concen: 83.949 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.9	29.9	44.9





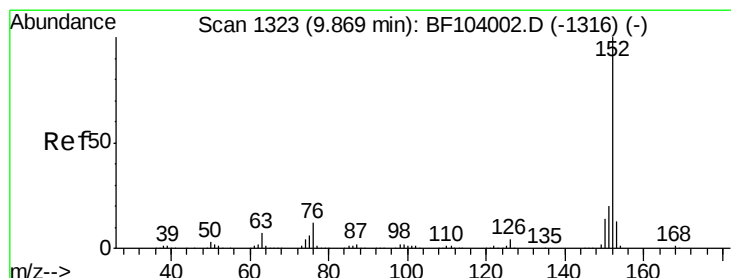
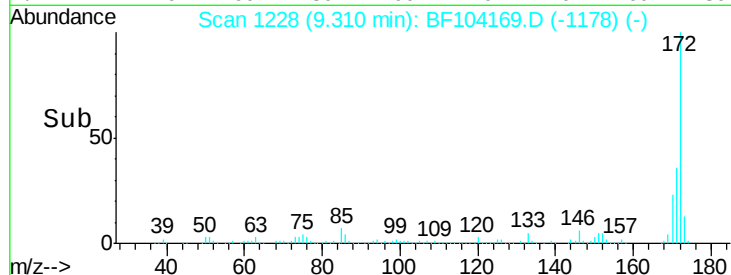
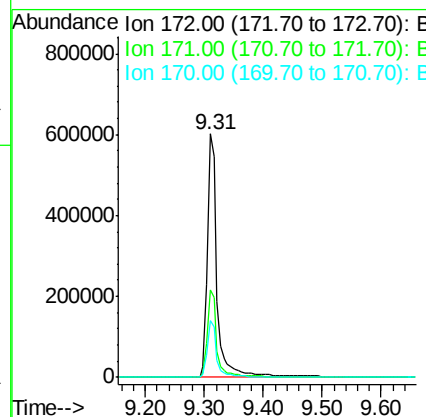
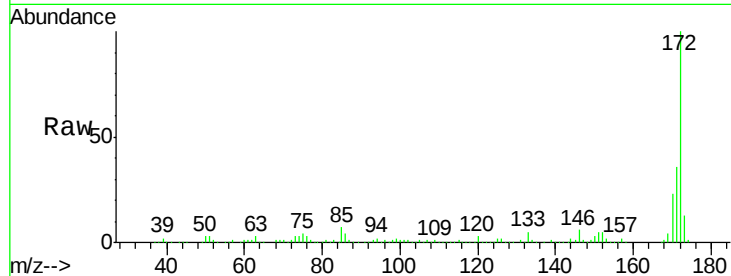
#44
2-Fluorobiphenyl
Concen: 70.817 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Instrument :
BNA_F
ClientSampleId :
A2_SB52_S_8

Tot Ion	Ratio	Resp	Lower	Upper
172	100	692332		
171	35.7		29.7	44.5
170	23.1		19.6	29.4

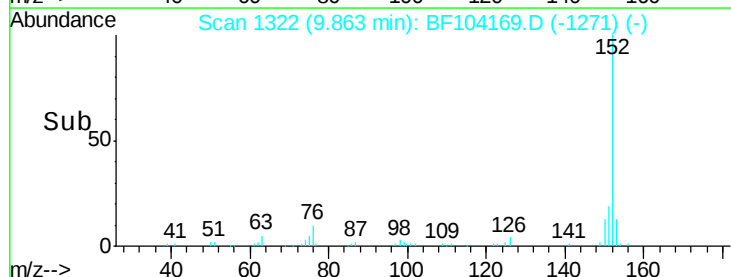
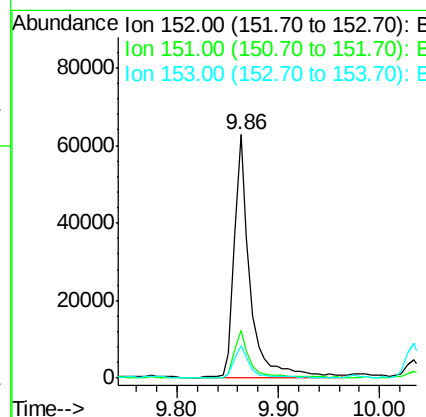
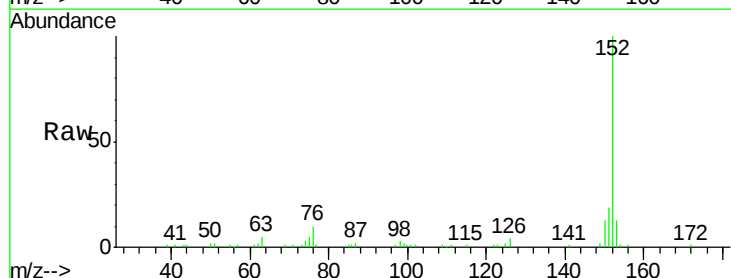
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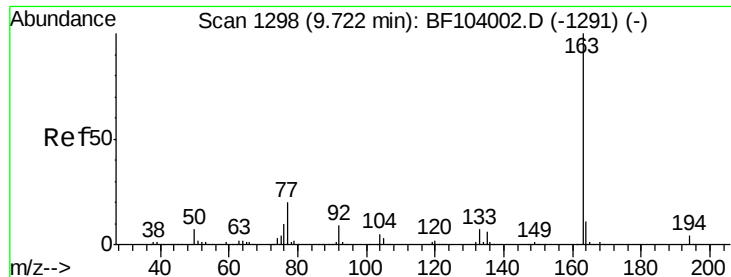
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#48
Acenaphthylene
Concen: 4.361 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	68952		
151	19.5		16.3	24.5
153	13.4		10.7	16.1





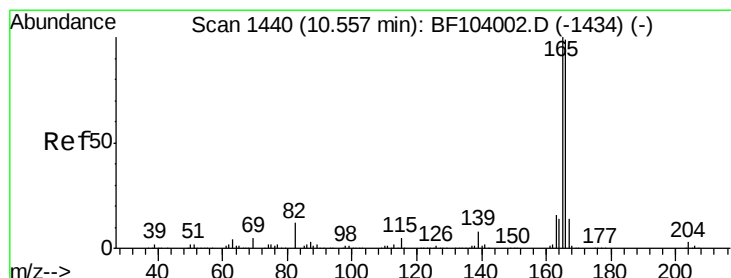
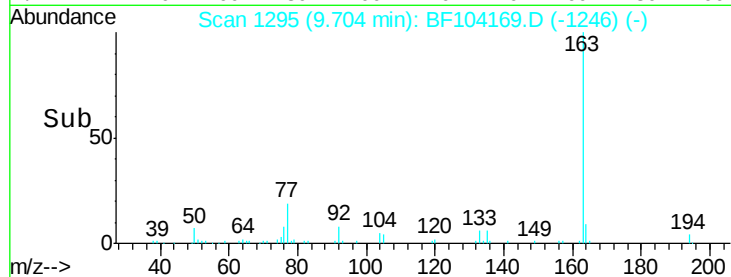
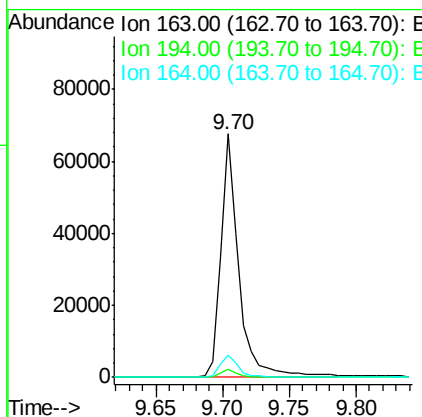
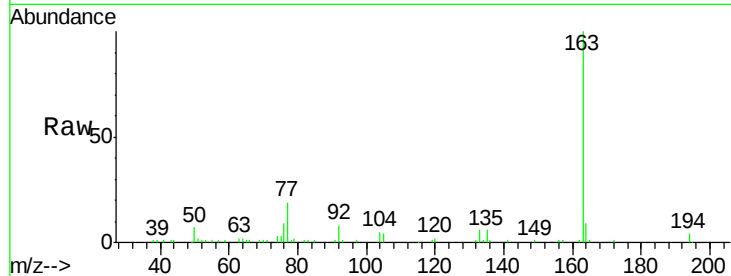
#49
Dimethylphthalate
Concen: 5.290 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Instrument :
BNA_F
ClientSampleId :
A2_SB52_S_8

Tot Ion:	163	Resp:	64391
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.2	8.2	12.2

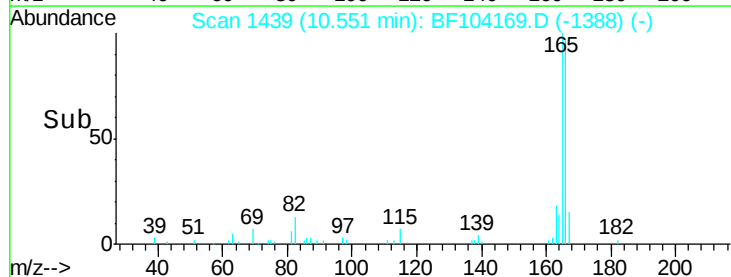
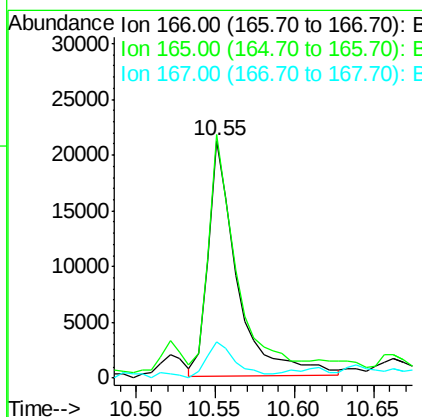
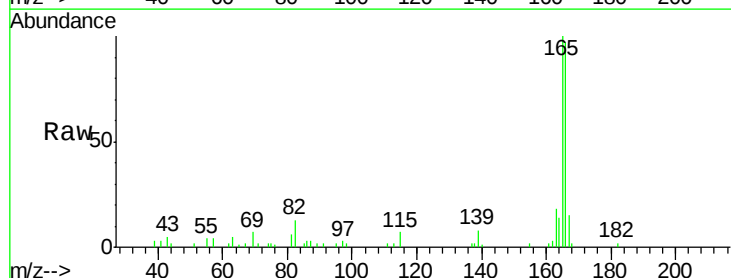
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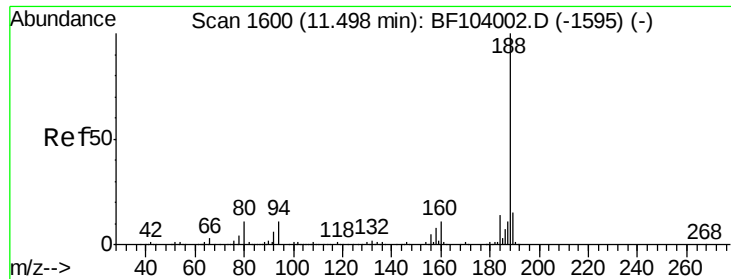
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#57
Fluorene
Concen: 2.444 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Tgt Ion:	166	Resp:	26928
Ion Ratio	Lower	Upper	
166	100		
165	102.6	79.8	119.8
167	15.3	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BF104169.D

Acq: 3 Apr 2018 8:46

Instrument :

BNA_F

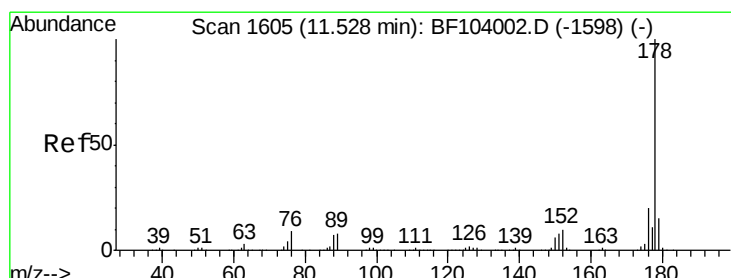
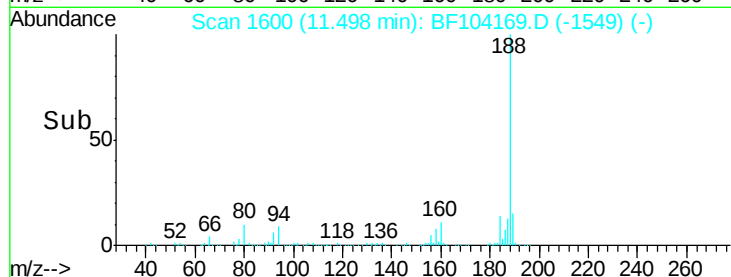
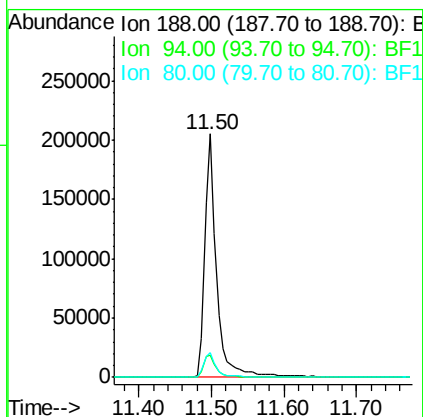
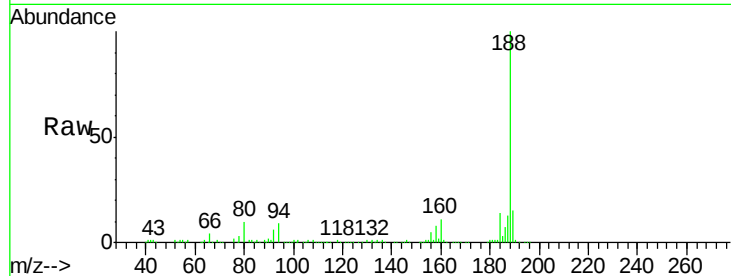
ClientSampleId :

A2_SB52_S_8

Tot Ion:	188	Resp:	233955
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	10.3	9.2	13.8

Manual Integrations
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#70

Phenanthrene

Concen: 25.955 ng

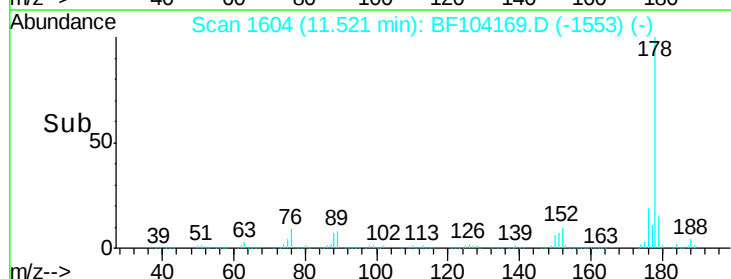
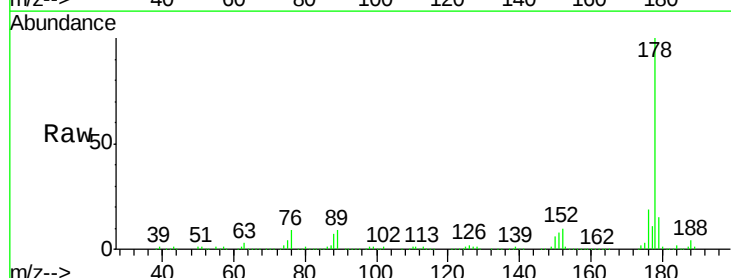
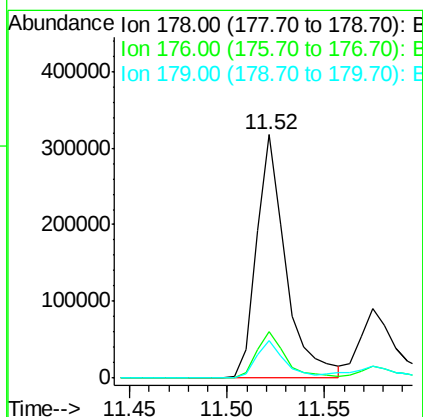
RT: 11.52 min Scan# 1604

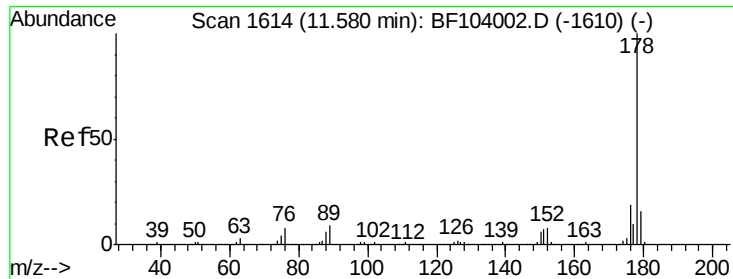
Delta R.T. -0.00 min

Lab File: BF104169.D

Acq: 3 Apr 2018 8:46

Tgt Ion:	178	Resp:	328761
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6





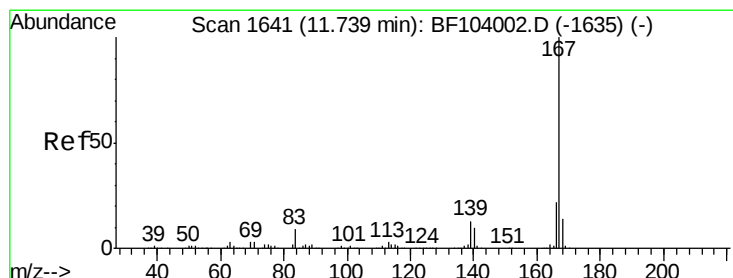
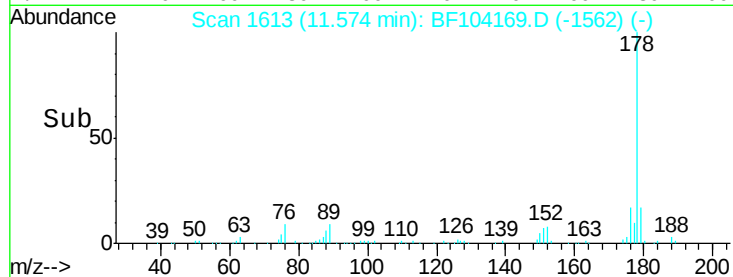
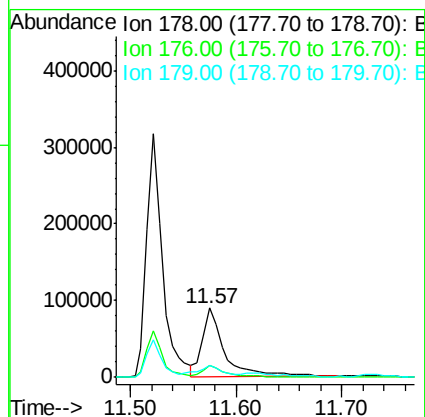
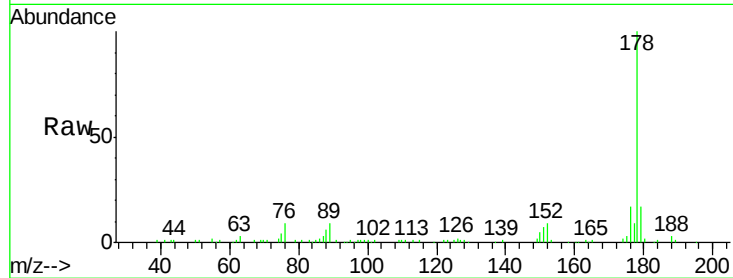
#71
 Anthracene
 Concen: 9.714 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104169.D
 Acq: 3 Apr 2018 8:46

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_S_8

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	17.1	12.6	19.0

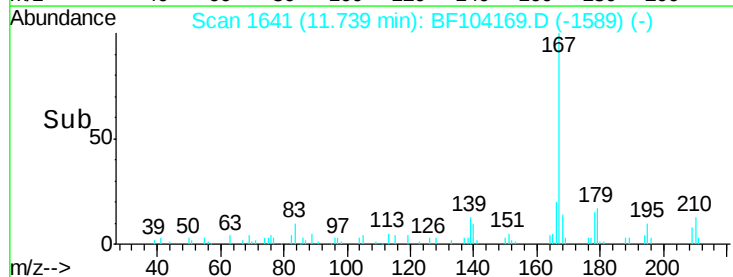
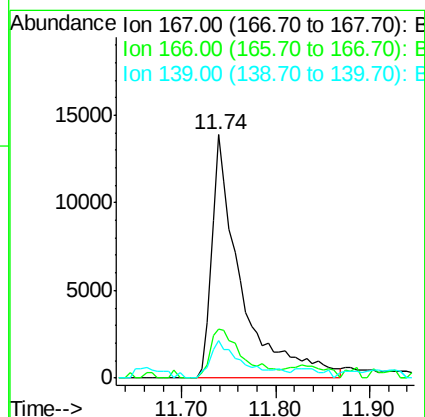
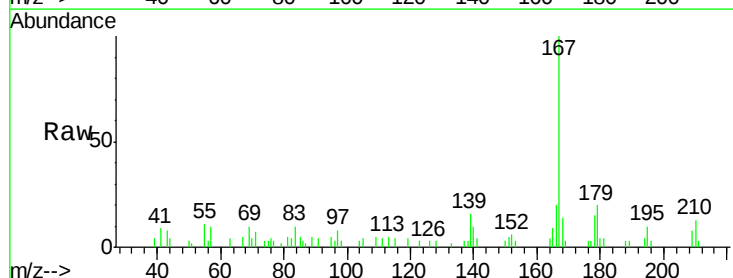
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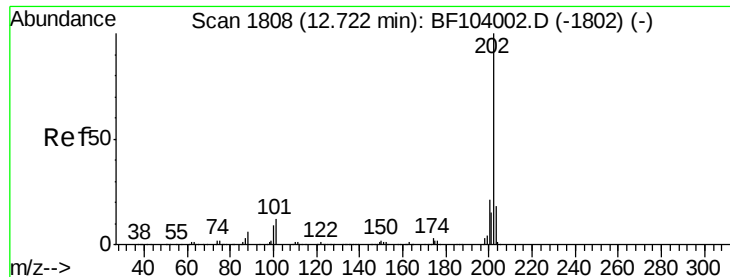
Sohil
 4/3/2018 2:28:38 PM



#72
 Carbazole
 Concen: 2.386 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104169.D
 Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.0	17.6	26.4
139	15.6	10.9	16.3





#74

Fluoranthene

Concen: 35.749 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104169.D

Acq: 3 Apr 2018 8:46

Instrument :

BNA_F

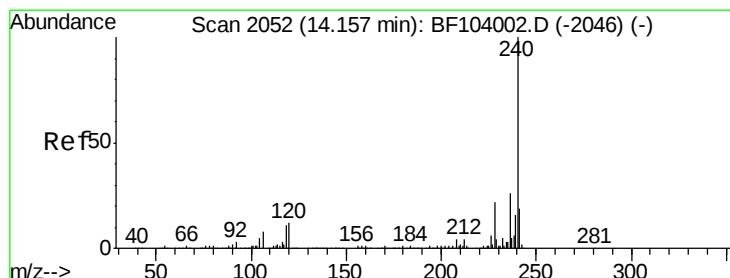
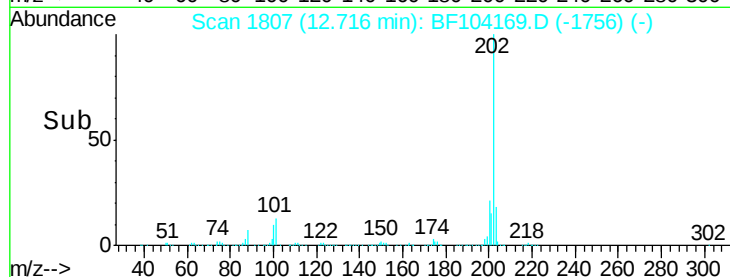
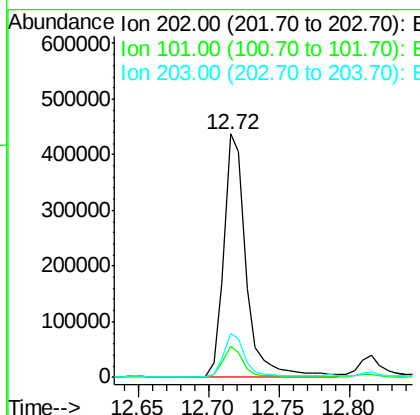
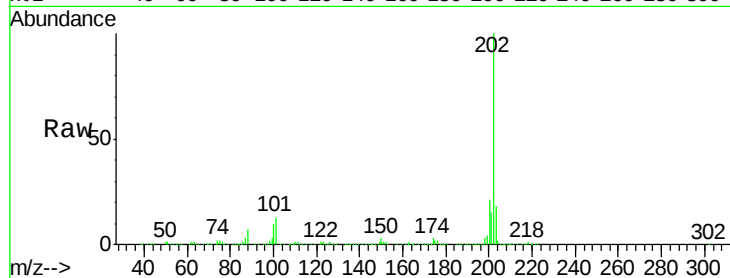
ClientSampleId :

A2_SB52_S_8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		481321		
101	12.9	0.0	34.1		
203	18.0	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

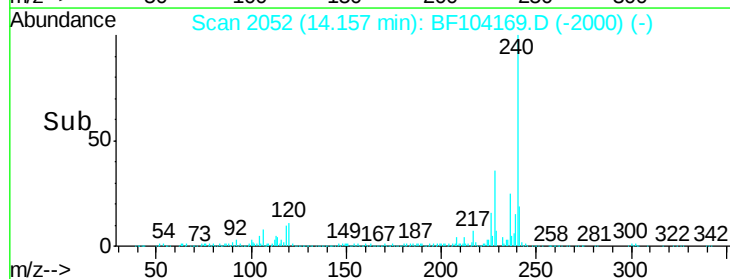
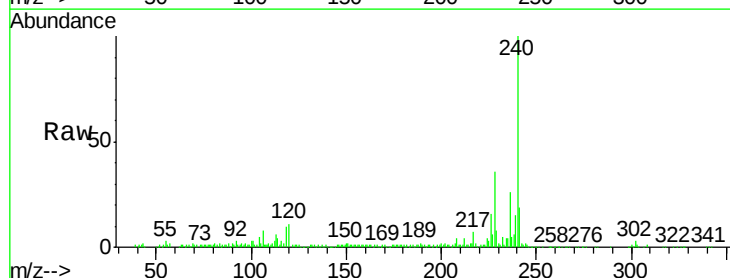
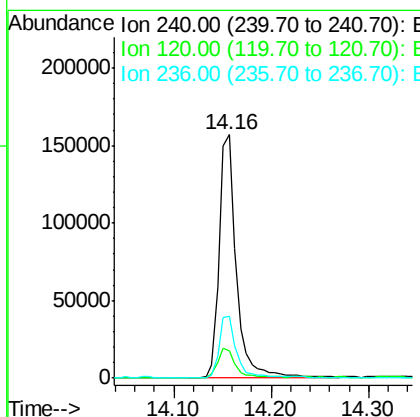
RT: 14.16 min Scan# 2052

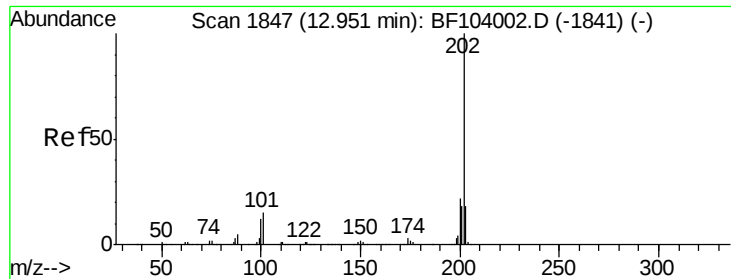
Delta R.T. 0.01 min

Lab File: BF104169.D

Acq: 3 Apr 2018 8:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		191272		
120	11.2	9.5	14.3		
236	25.6	20.7	31.1		





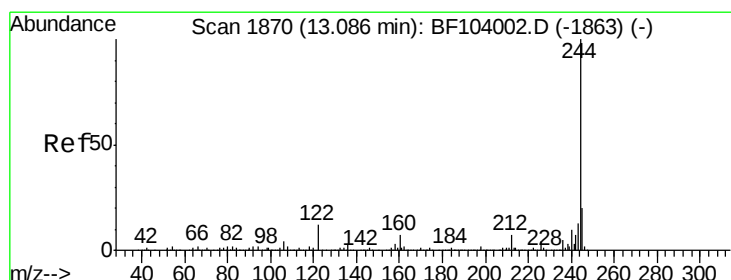
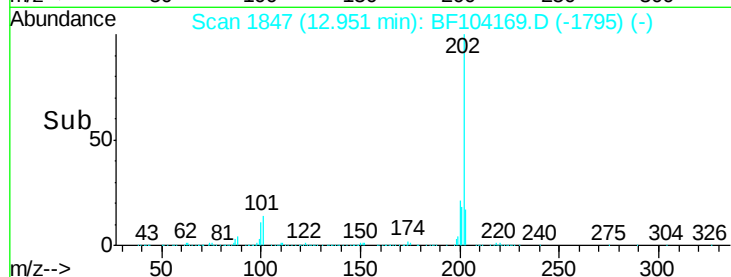
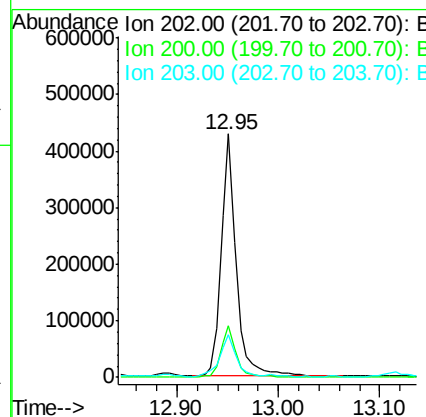
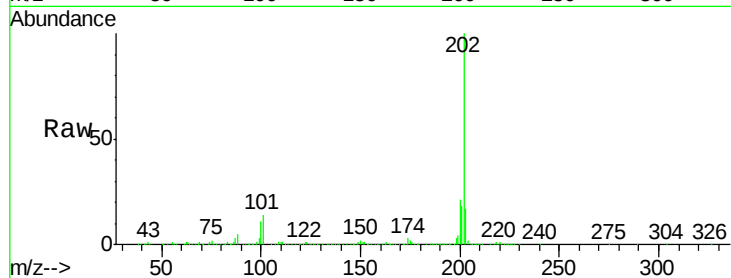
#77
Pvrene
Concen: 31.954 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.01 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Instrument :
BNA_F
ClientSampleId :
A2_SB52_S_8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.3	14.3	21.5

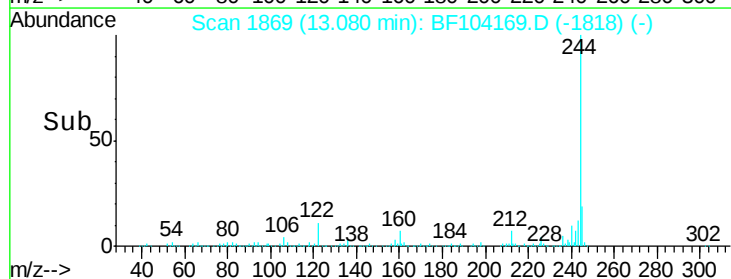
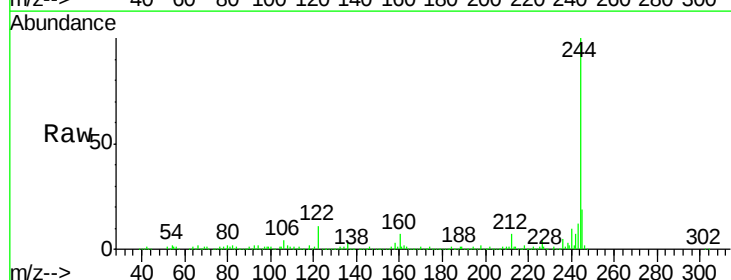
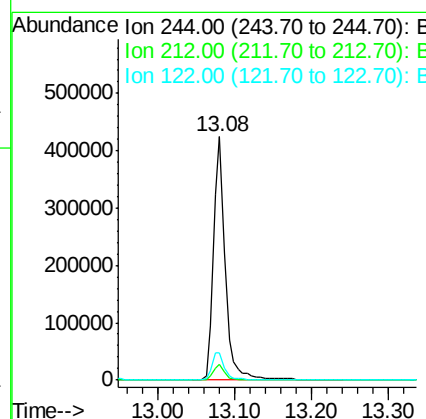
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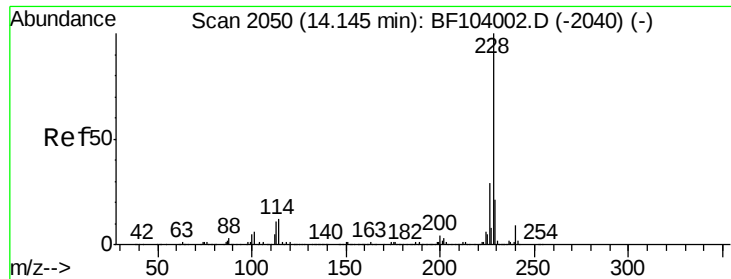
Sohil
4/3/2018 2:28:38 PM



#78
Terphenyl-d14
Concen: 54.135 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.4	11.0	16.4





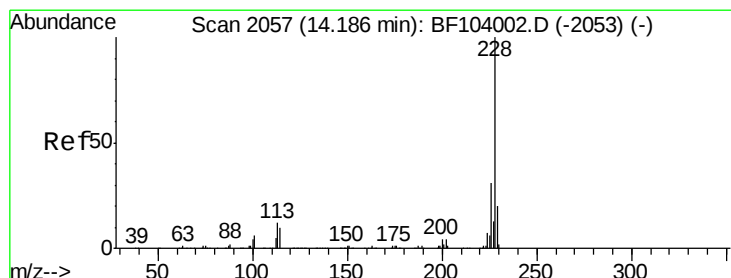
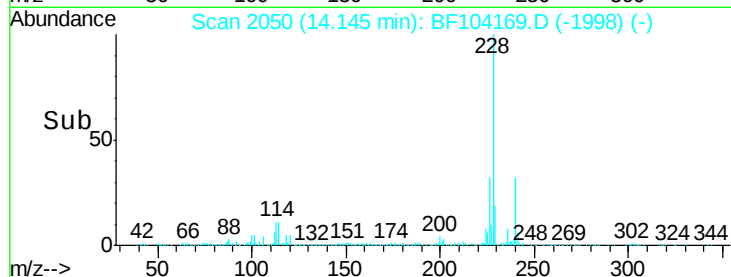
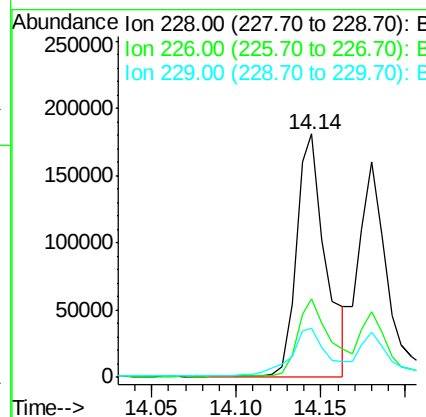
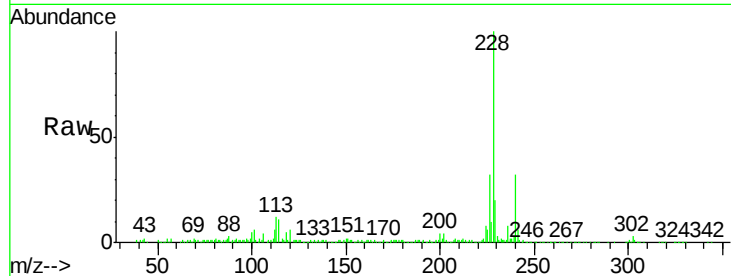
#80
Benzo(a)anthracene
Concen: 18.160 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Instrument :
BNA_F
ClientSampleId :
A2_SB52_S_8

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.6	33.8
229	20.0	15.8	23.6

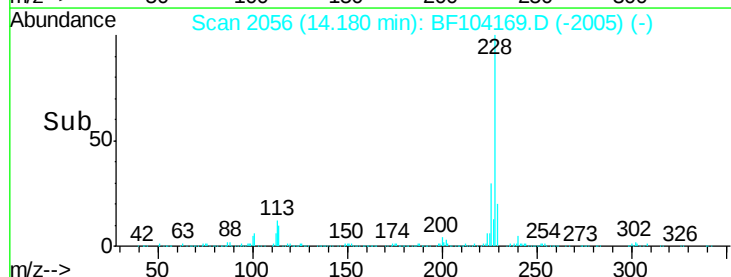
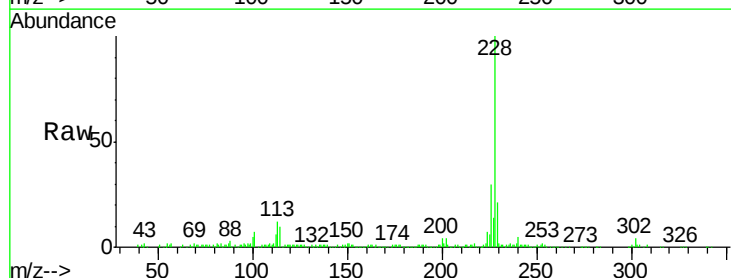
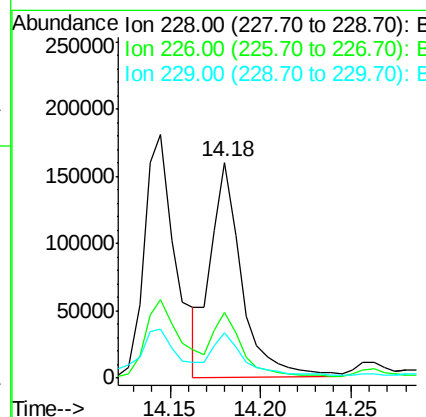
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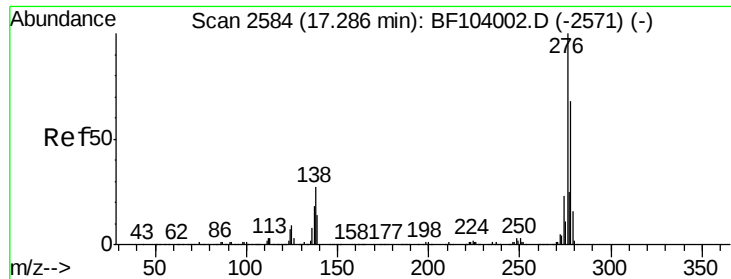
Sohil
4/3/2018 2:28:38 PM



#82
Chrysene
Concen: 16.432 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.1	16.2	24.4





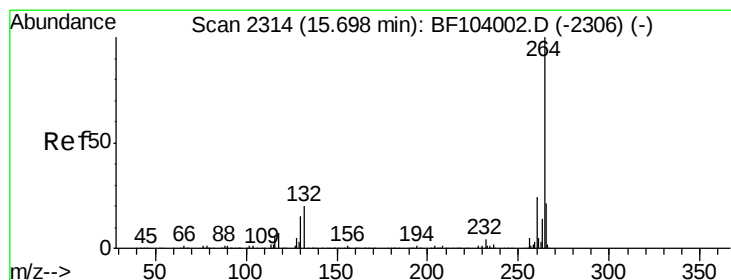
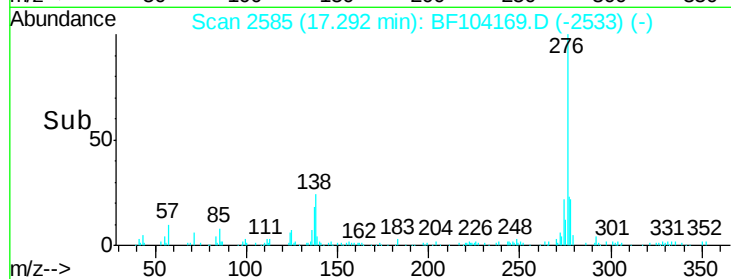
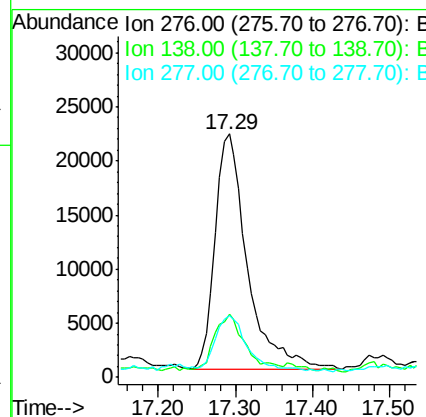
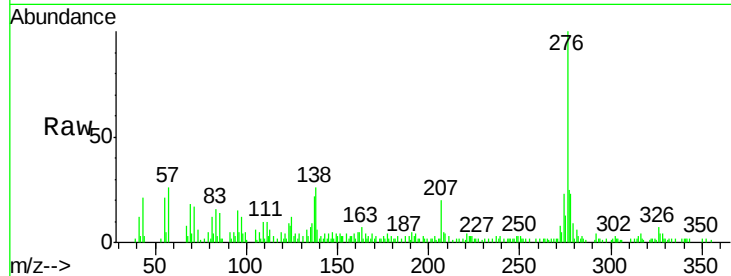
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.240 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. 0.01 min
 Lab File: BF104169.D
 Acq: 3 Apr 2018 8:46

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_S_8

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	25.0	37.6#
277	23.3	20.1	30.1

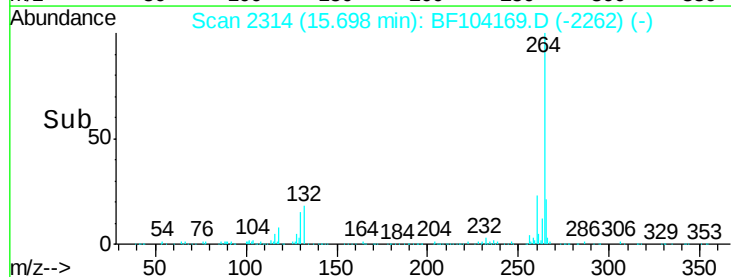
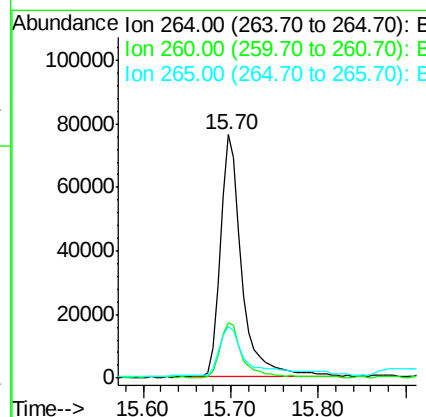
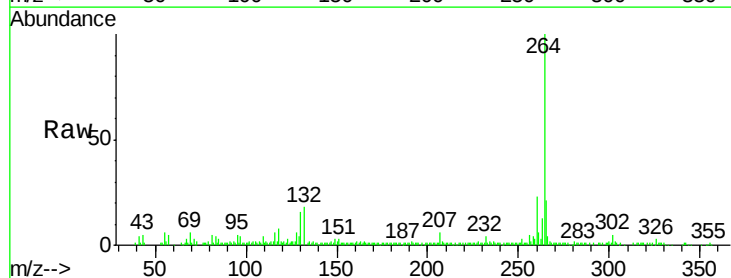
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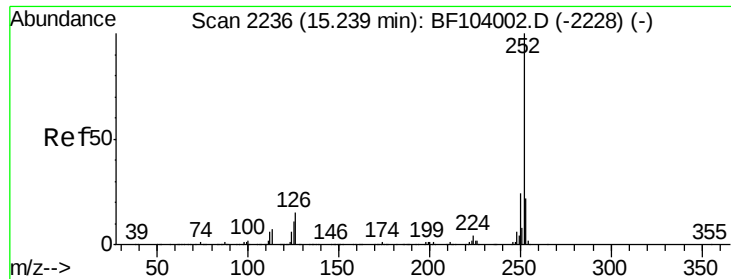
Sohil
 4/3/2018 2:28:38 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: BF104169.D
 Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	17.5	26.3





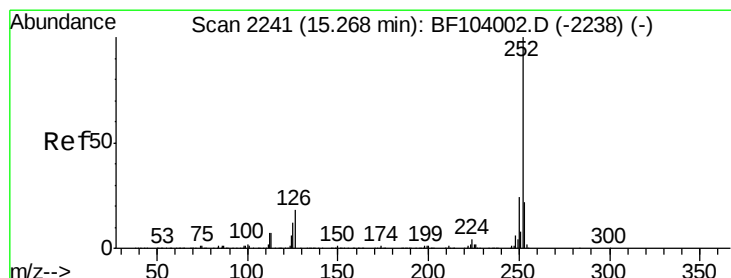
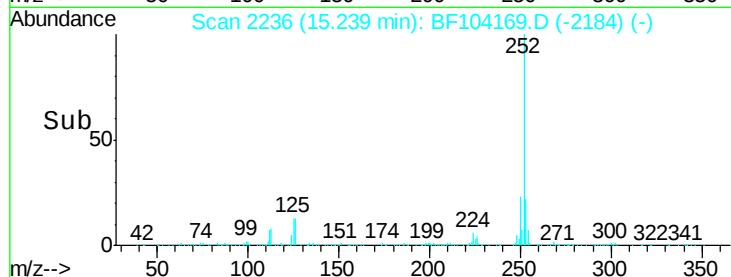
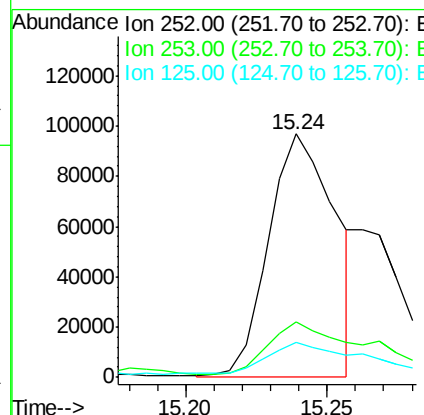
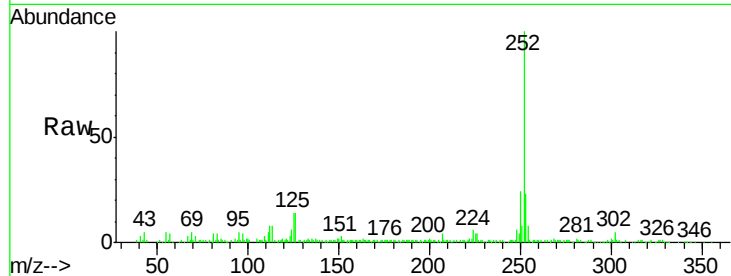
#87
Benzo(b)fluoranthene
Concen: 20.134 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Instrument :
BNA_F
ClientSampleId :
A2_SB52_S_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.5	9.0	13.6

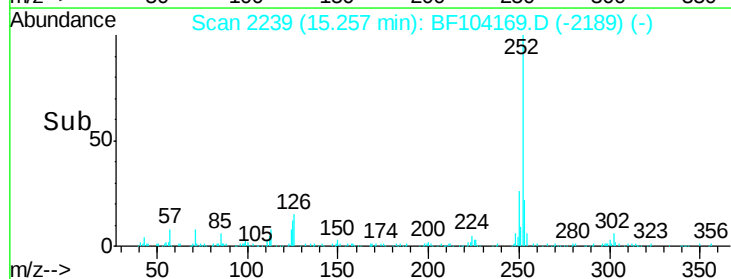
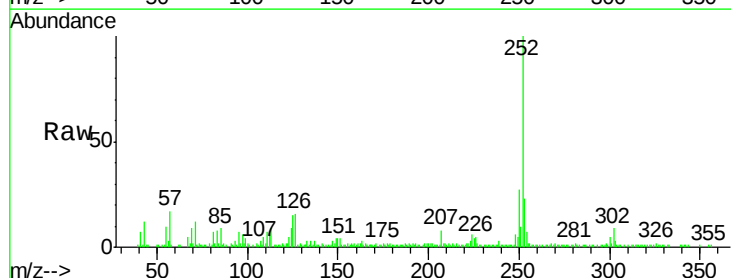
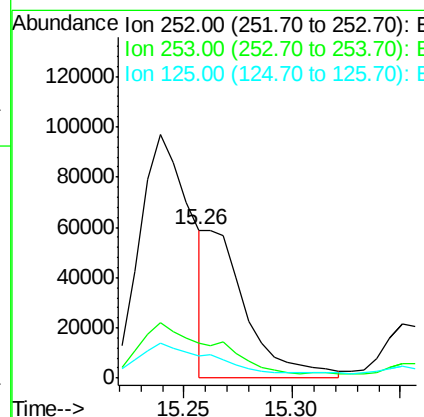
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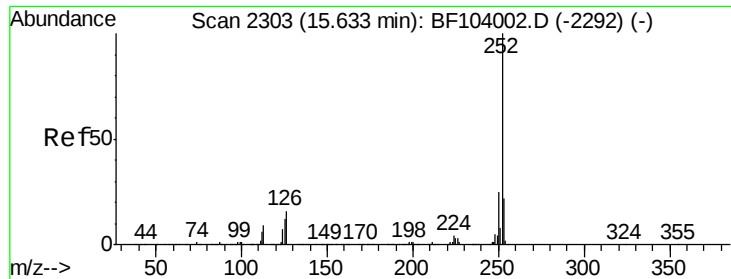
Sohil
4/3/2018 2:28:38 PM



#88
Benzo(k)fluoranthene
Concen: 10.530 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	14.8	10.2	15.2





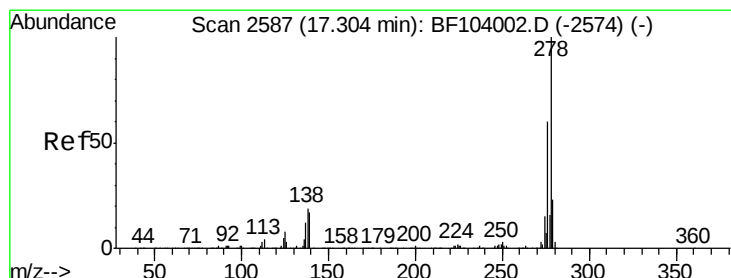
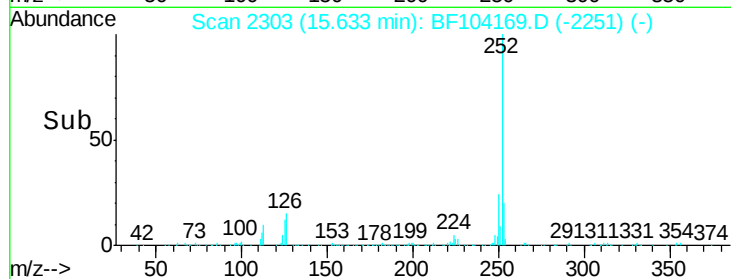
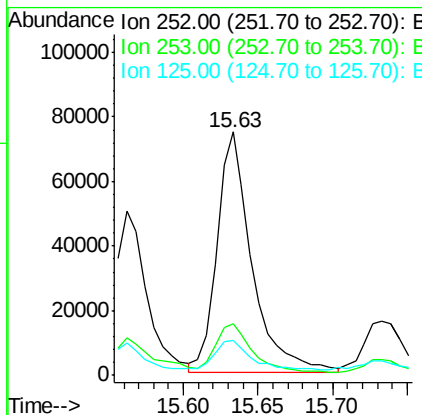
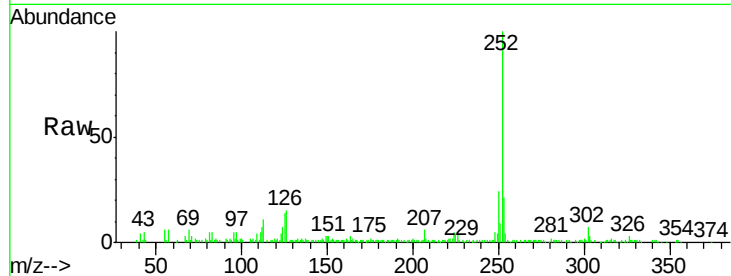
#89
Benzo(a)pyrene
Concen: 16.724 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Instrument :
BNA_F
ClientSampleId :
A2_SB52_S_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	14.3	9.8	14.6

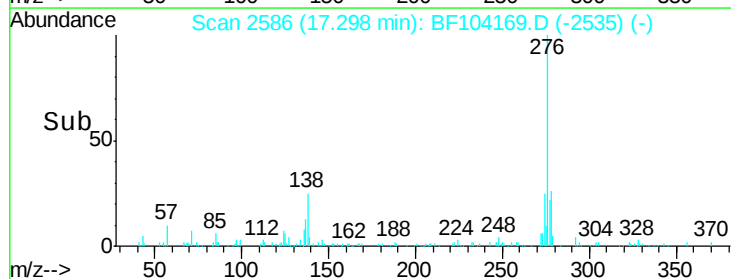
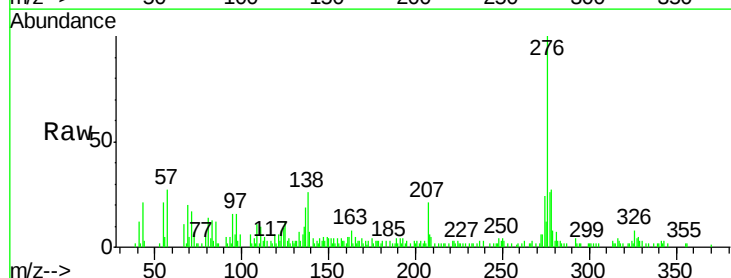
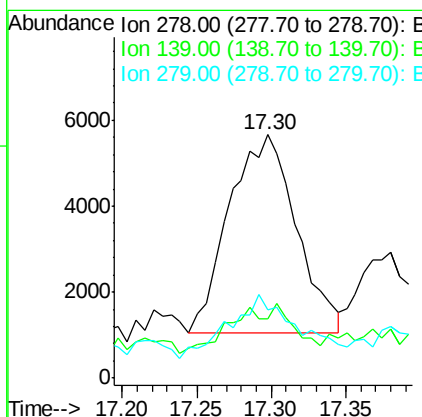
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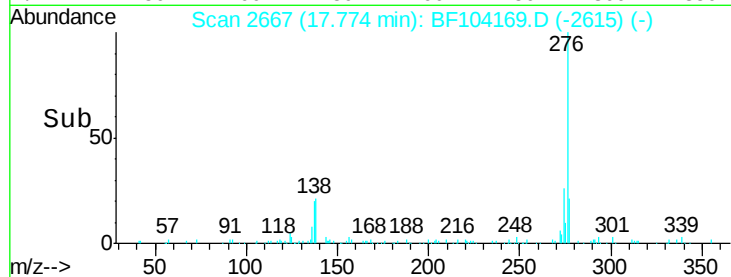
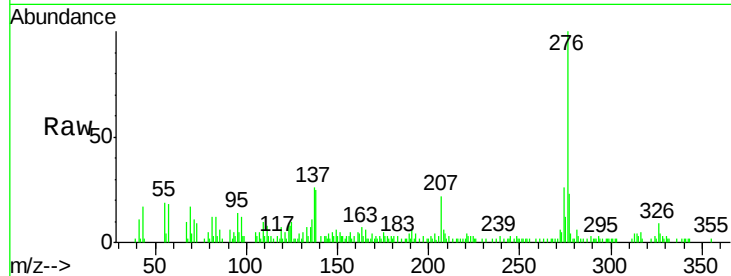
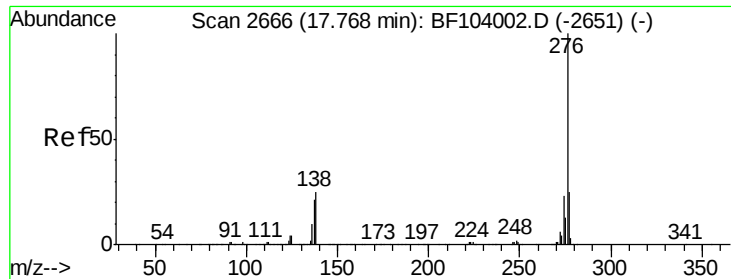
Sohil
4/3/2018 2:28:38 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.132 ng
RT: 17.30 min Scan# 2586
Delta R.T. -0.00 min
Lab File: BF104169.D
Acq: 3 Apr 2018 8:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.3	15.9	23.9#
279	27.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.750 ng
 RT: 17.77 min Scan# 2667
 Delta R.T. 0.01 min
 Lab File: BF104169.D
 Acq: 3 Apr 2018 8:46

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB52_S_8

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	24.9	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/3/2018 2:28:38 PM

