

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104406.D
 Acq On : 10 Apr 2018 14:08
 Operator : JU/SJ
 Sample : J2296-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

Manual Integrations
 APPROVED

Sohil
 4/11/2018 5:16:59 PM

Quant Time: Apr 10 15:14:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	151175	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	598425	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	251830	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	366987	20.00	ng	0.00
75) Chrysene-d12	13.98	240	304316	20.00	ng	0.00
86) Perylene-d12	15.44	264	222859	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1183488	119.70	ng	0.02
7) Phenol-d6	6.45	99	1497079	123.24	ng	0.00
23) Nitrobenzene-d5	7.37	82	930460	101.53	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	287740	110.15	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1272221	79.81	ng	0.00
78) Terphenyl-d14	12.93	244	903798	67.71	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	36102	2.801	ng	94
49) Dimethylphthalate	9.56	163	188564	9.495	ng	98
56) 2,4-Dinitrotoluene	10.03	165	10114	2.098	ng	# 93
70) Phenanthrene	11.36	178	76559	3.746	ng	98
74) Fluoranthene	12.54	202	113569	5.319	ng	99
77) Pyrene	12.78	202	118986	5.275	ng	98
80) Benzo(a)anthracene	13.97	228	67249	3.699	ng	95
82) Chrysene	14.00	228	65928	3.531	ng	98
87) Benzo(b)fluoranthene	15.02	252	72073m	5.120	ng	
88) Benzo(k)fluoranthene	15.04	252	26873m	2.022	ng	
89) Benzo(a)pyrene	15.38	252	44300	3.518	ng	96
91) Benzo(a,h,i)perylene	17.32	276	25092	2.504	ng	# 92

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

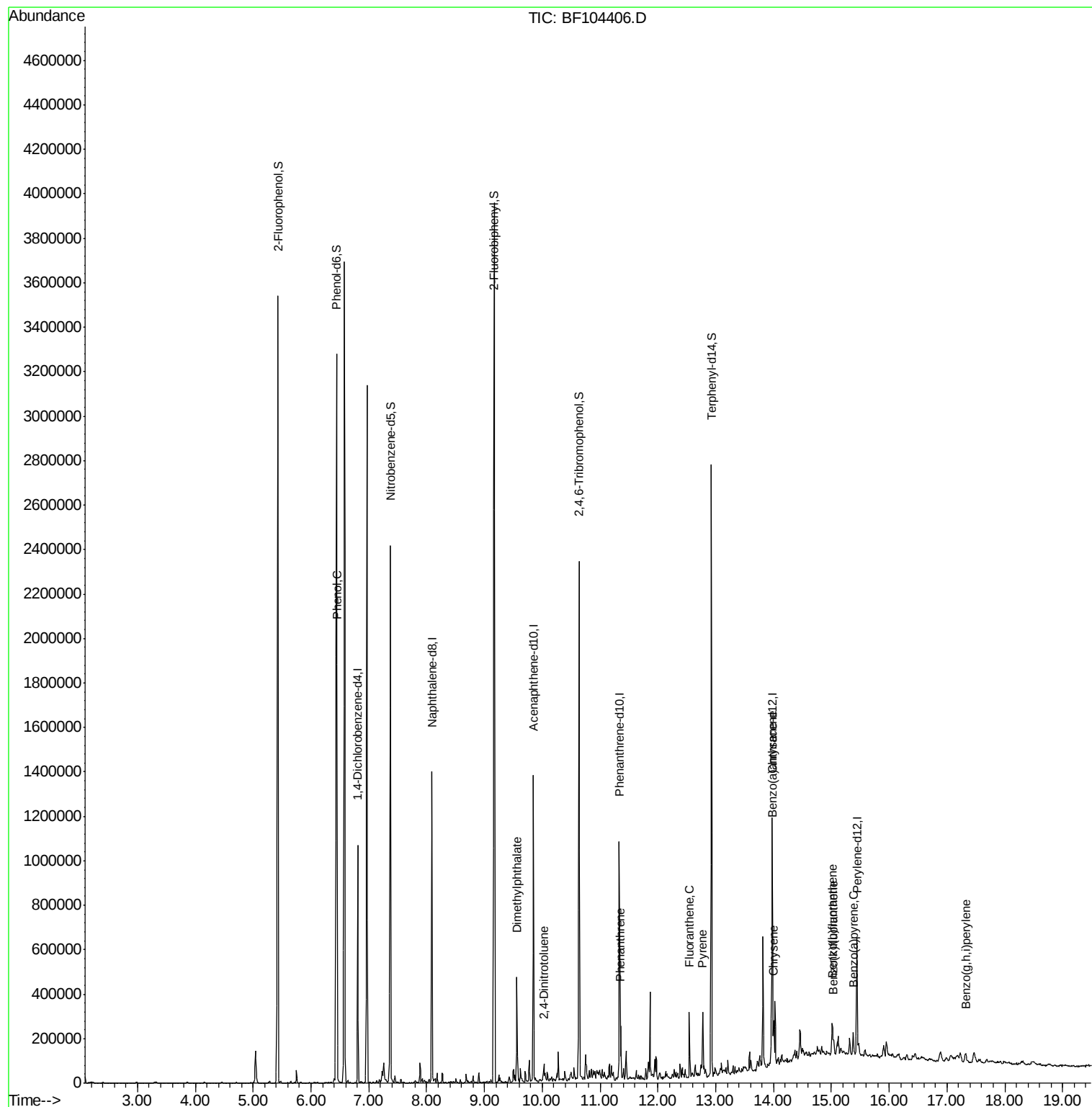
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104406.D
Acq On : 10 Apr 2018 14:08
Operator : JU/SJ
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#1

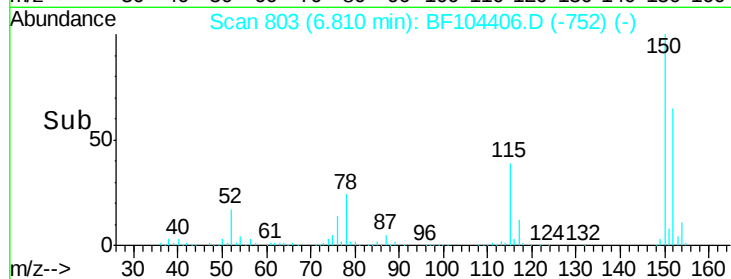
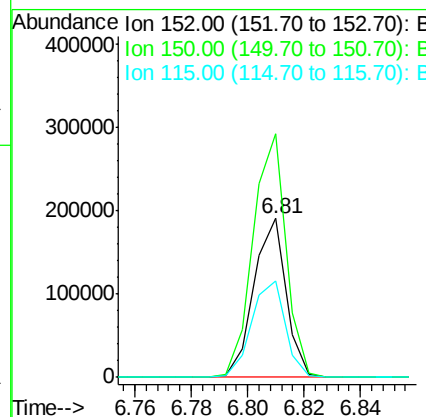
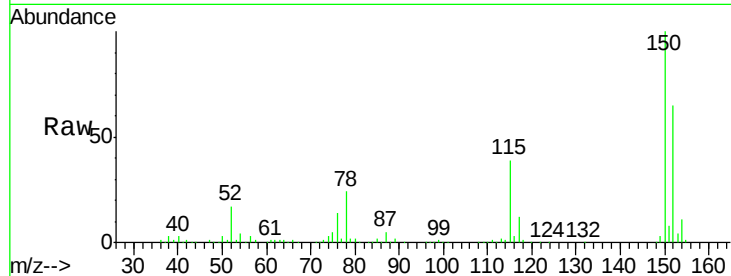
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Instrument :
BNA_F
ClientSampleId :
S-2-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	60.2	50.1	75.1

Manual Integrations
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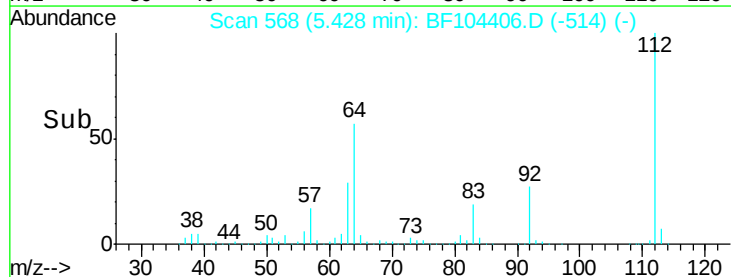
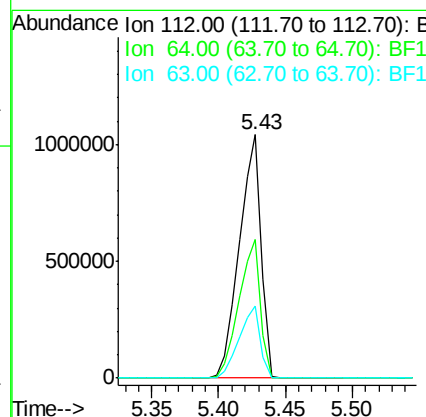
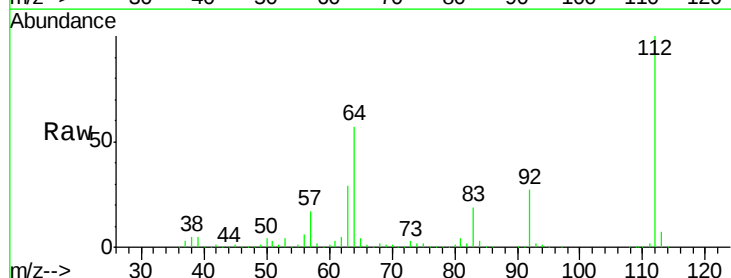
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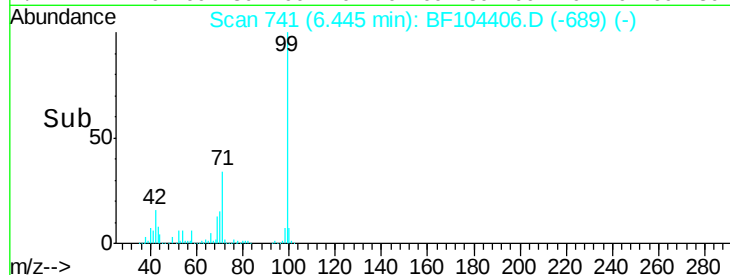
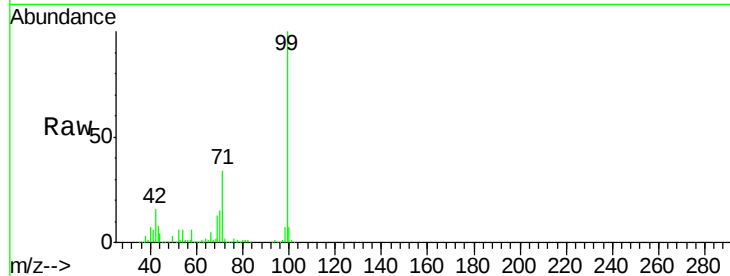


#5

2-Fluorophenol
Concen: 119.704 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	29.5	23.7	35.5





#7

Phenol-d6

Concen: 123.240 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

Tot Ion: 99 Resp: 1497079

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 34.1 25.4 38.0

Instrument :

BNA_F

ClientSampled :

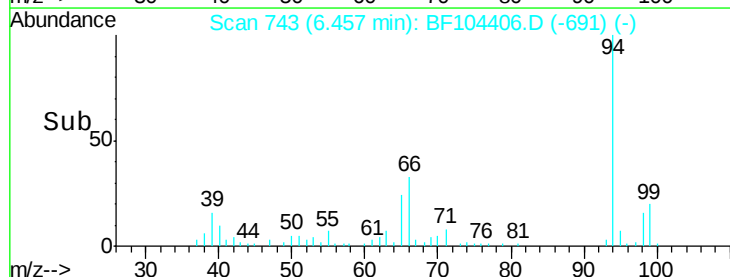
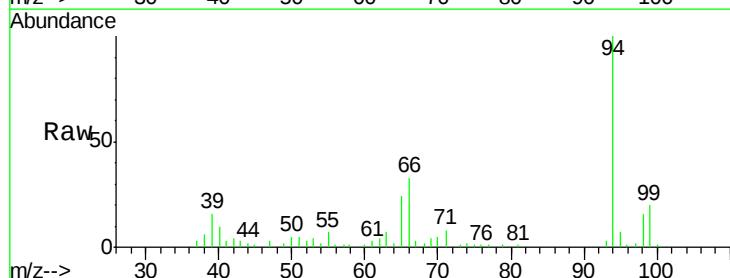
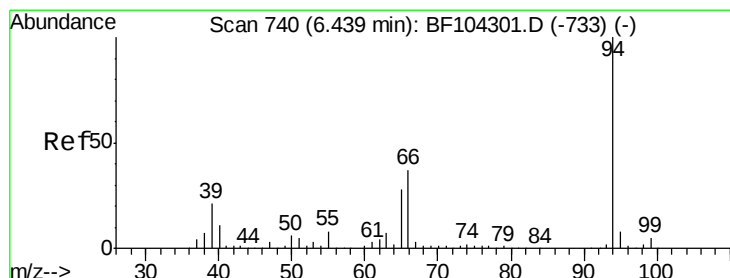
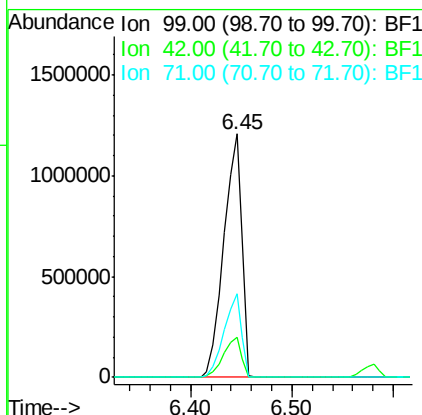
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#10

Phenol

Concen: 2.801 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

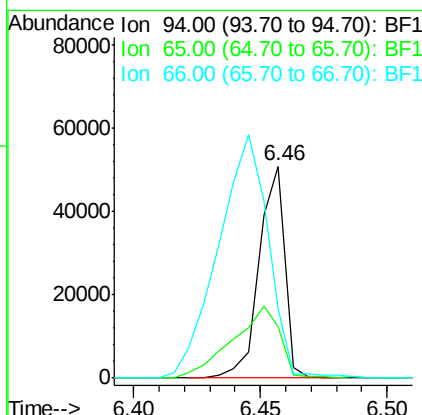
Tgt Ion: 94 Resp: 36102

Ion Ratio Lower Upper

94 100

65 24.4 7.9 47.9

66 32.5 16.2 56.2





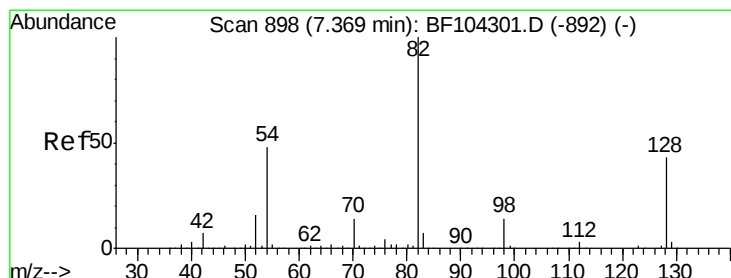
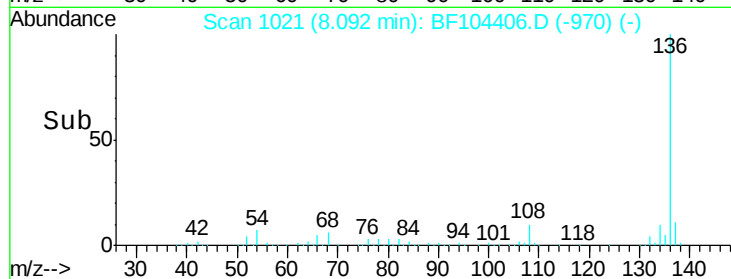
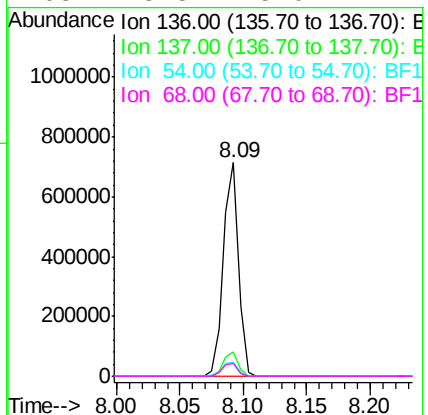
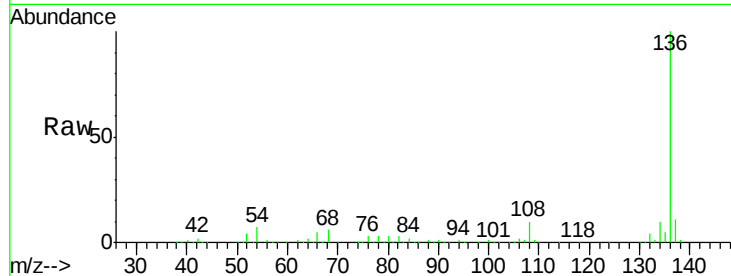
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Instrument :
BNA_F
ClientSampleId :
S-2-COMP

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.6	6.6	9.8
68	5.8	5.0	7.4

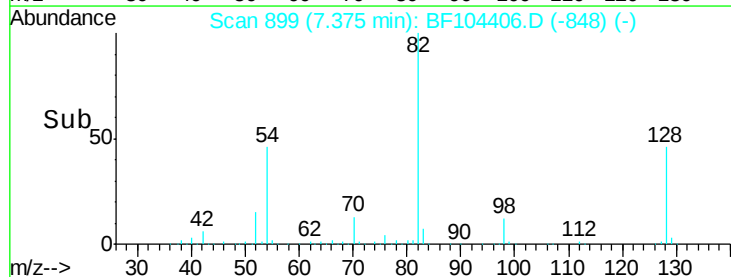
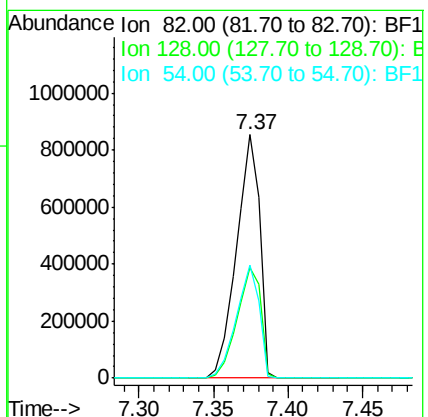
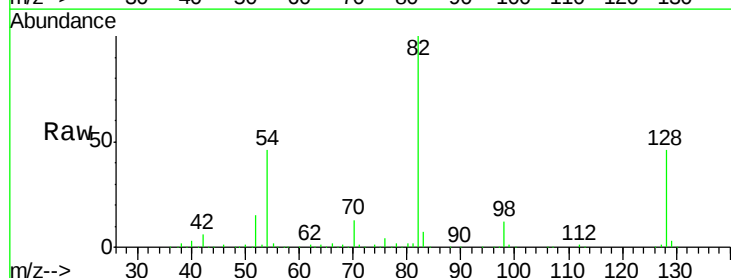
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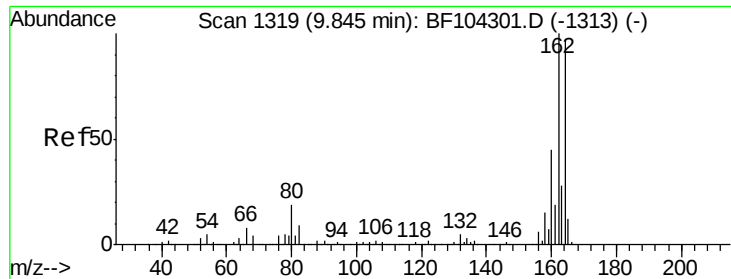
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#23
Nitrobenzene-d5
Concen: 101.529 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.00 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.6	36.1	54.1
54	46.2	41.4	62.2





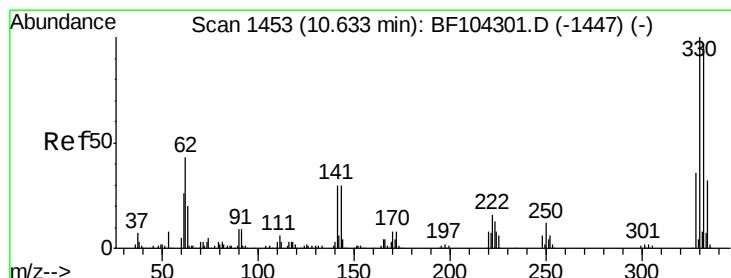
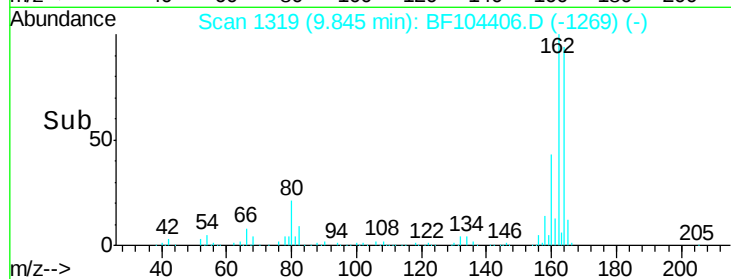
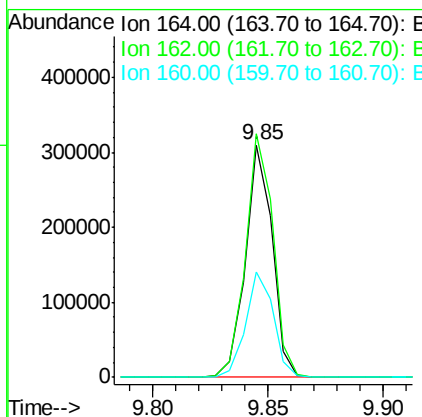
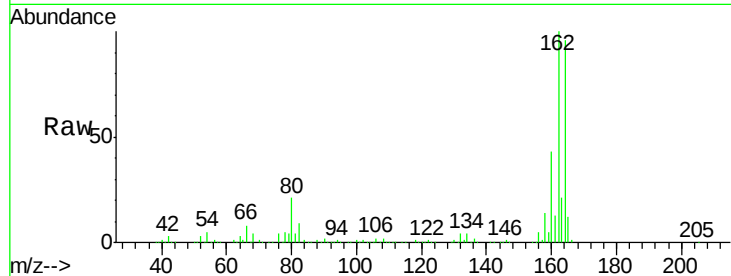
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.7	86.1	129.1	
160	45.1	38.3	57.5	

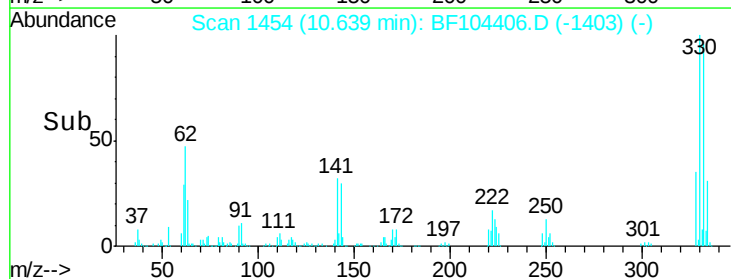
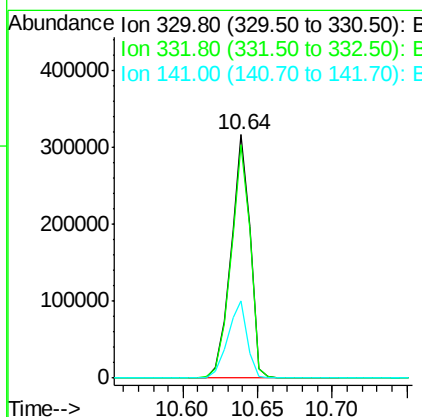
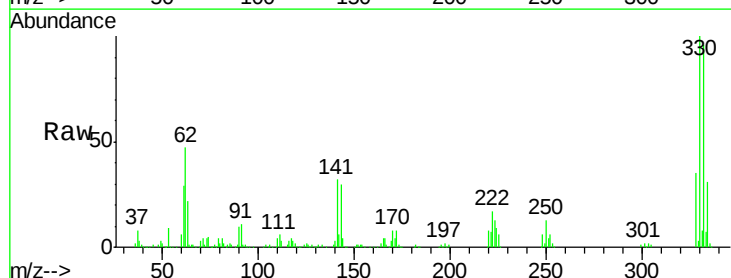
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#41
 2,4,6-Tribromophenol
 Concen: 110.148 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.0	115.6	
141	32.6	29.9	44.9	





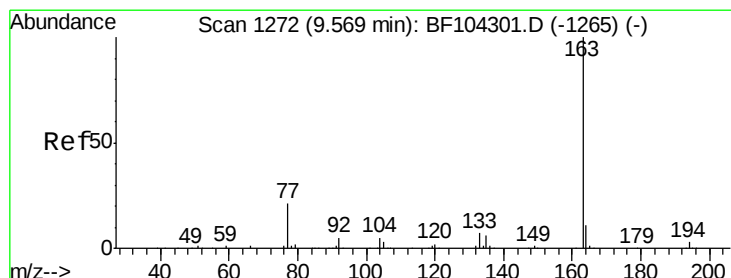
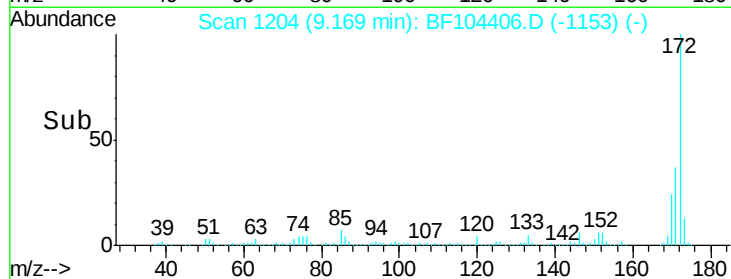
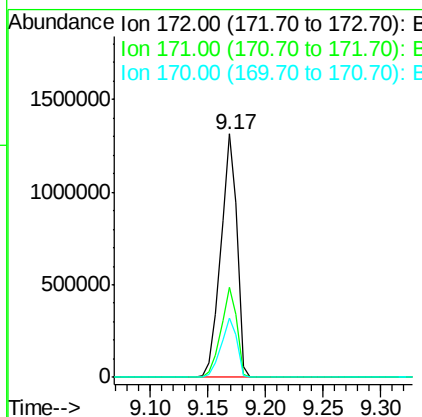
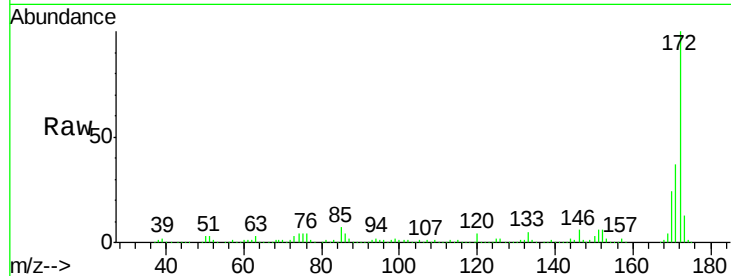
#44
2-Fluorobiphenyl
Concen: 79.808 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Instrument :
BNA_F
ClientSampled :
S-2-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.2	19.6	29.4

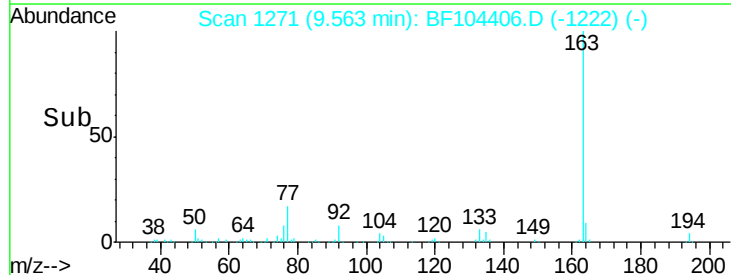
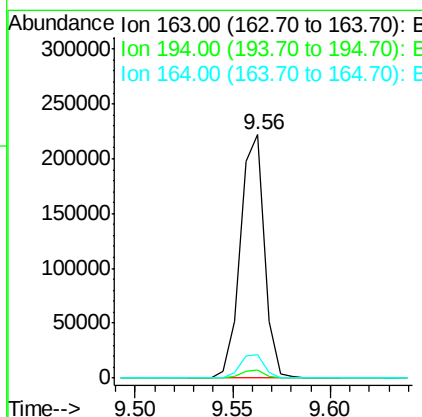
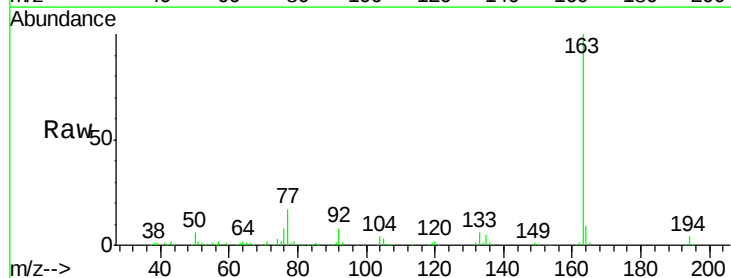
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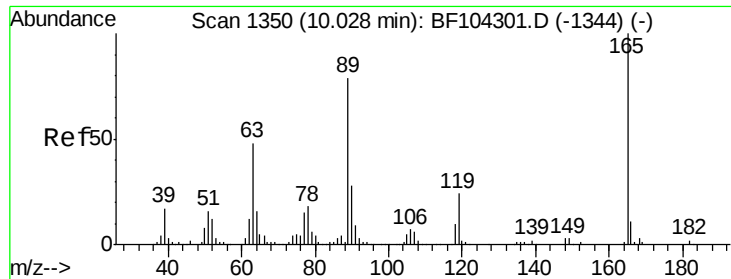
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#49
Dimethylphthalate
Concen: 9.495 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.5	8.2	12.2





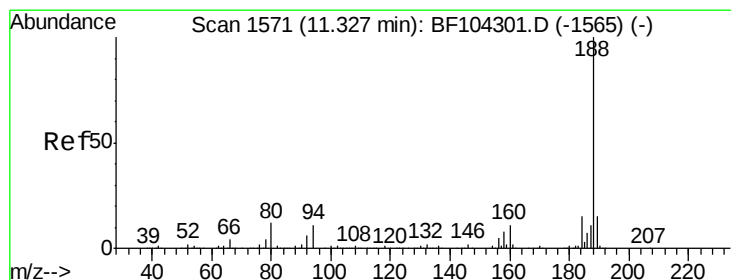
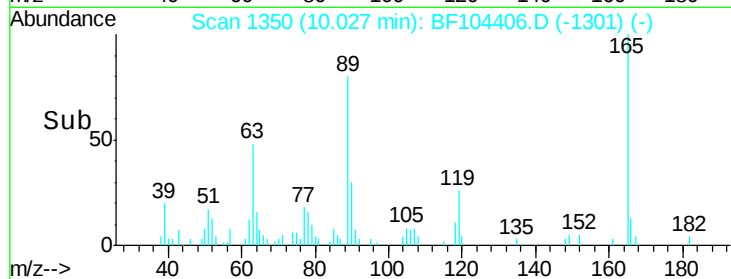
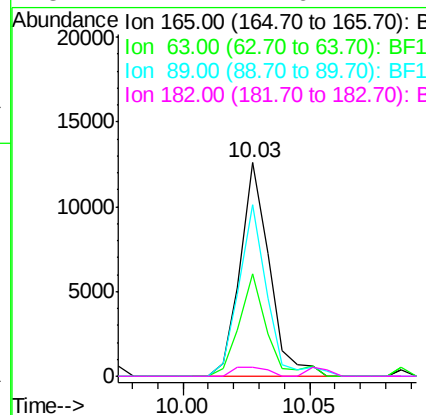
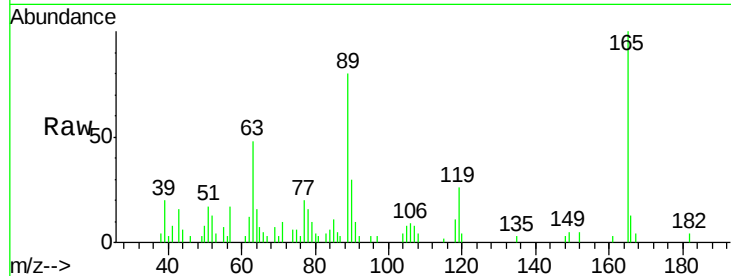
#56
 2,4-Dinitrotoluene
 Concen: 2.098 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.9	36.4	54.6
89	80.1	57.8	86.6
182	4.1	1.6	2.4

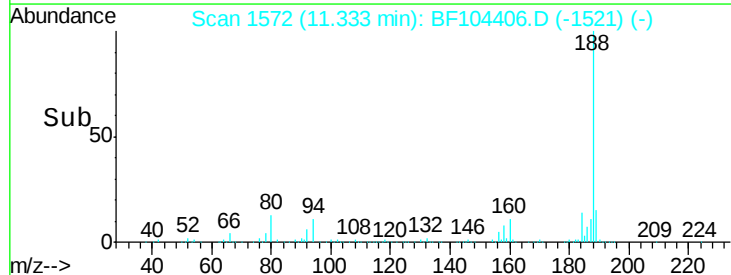
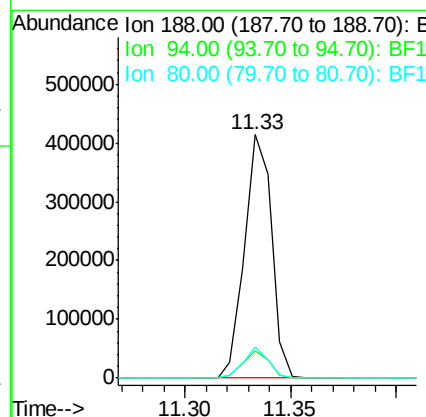
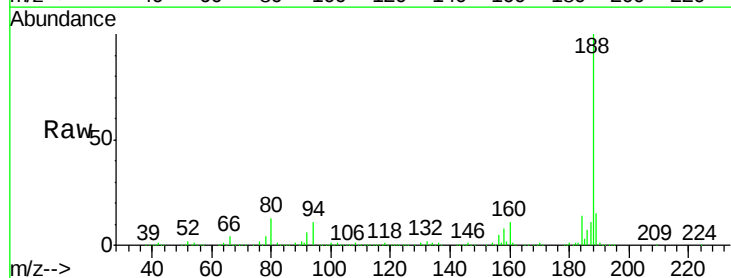
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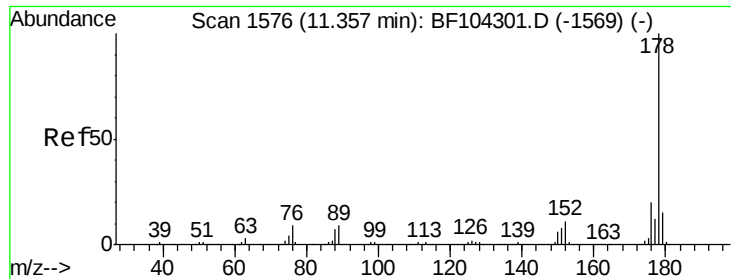
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	12.8	9.2	13.8





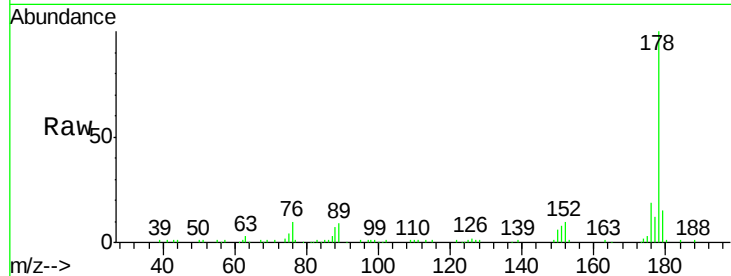
#70
Phenanthrene
Concen: 3.746 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Instrument :
BNA_F
ClientSampled :
S-2-COMP

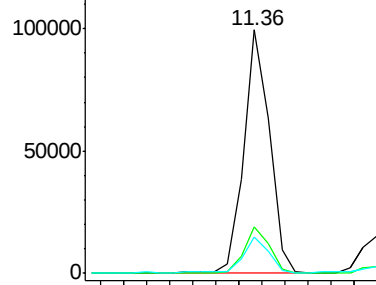
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.1	13.0	19.6

Manual Integrations
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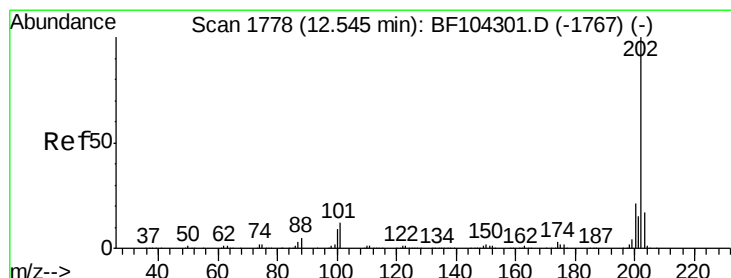
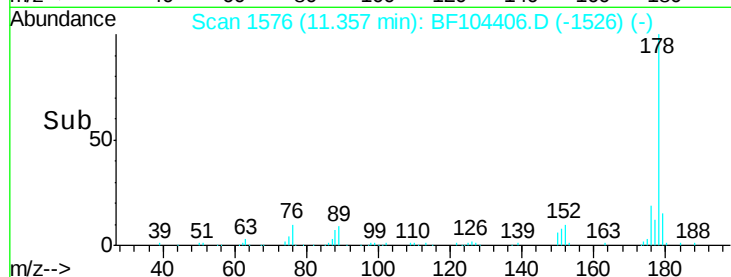
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

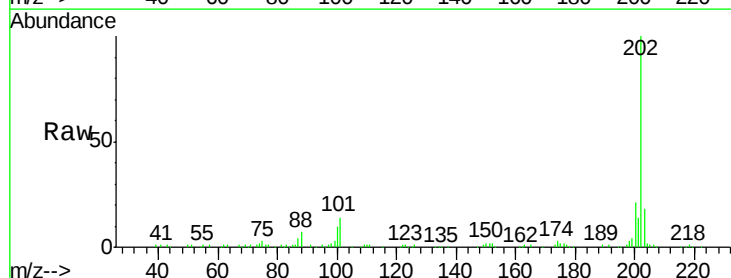


Time-->

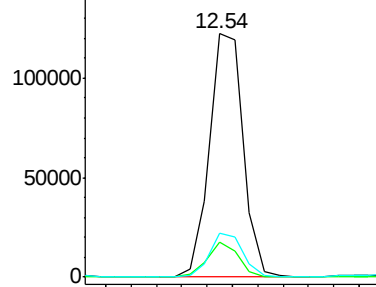


#74
Fluoranthene
Concen: 5.319 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

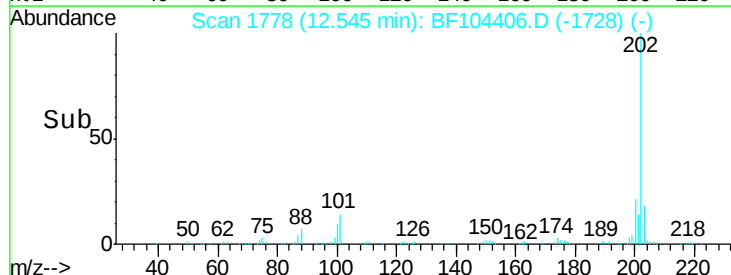
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	17.8	0.0	38.1

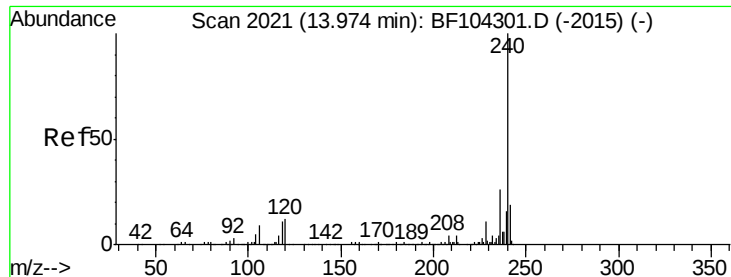


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

Instrument :

BNA_F

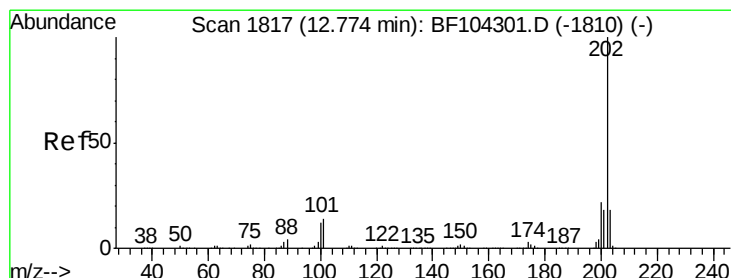
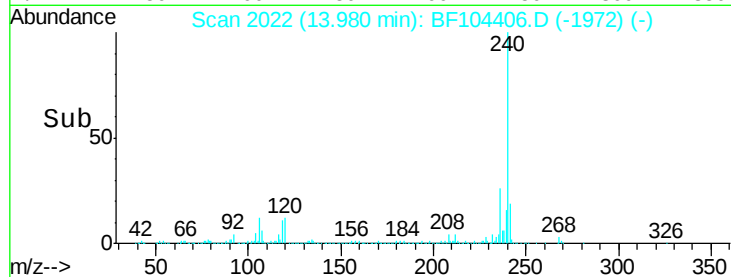
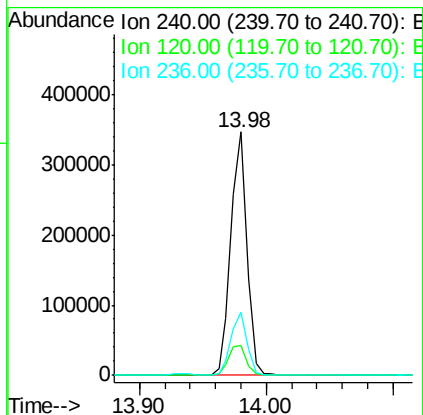
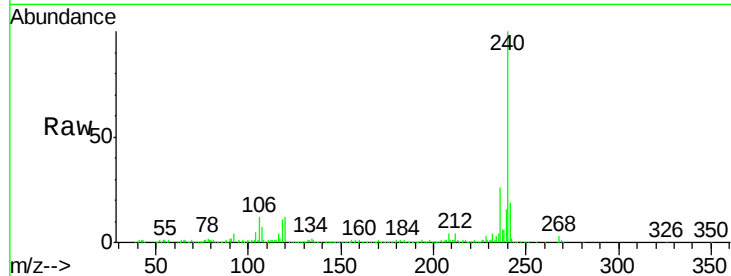
ClientSampleId :

S-2-COMP

Tot Ion:	240	Resp:	304316
Ion Ratio		Lower	Upper
240	100		
120	12.5	9.5	14.3
236	26.1	20.7	31.1

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4/11/2018 5:16:59 PM



#77

Pyrene

Concen: 5.275 ng

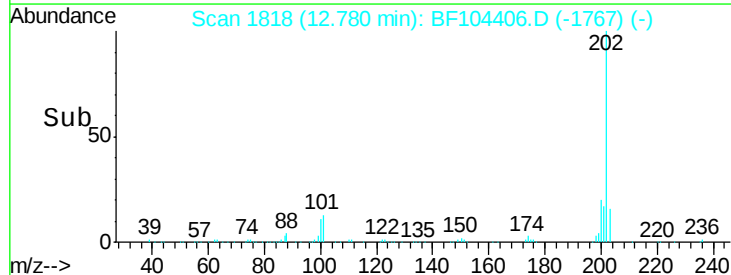
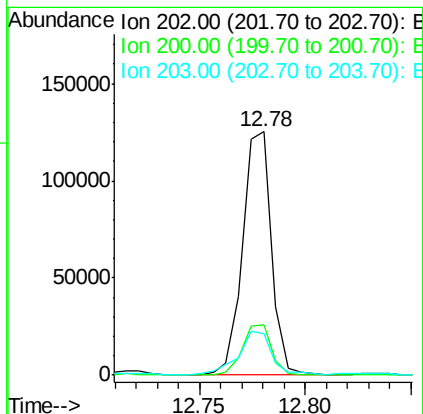
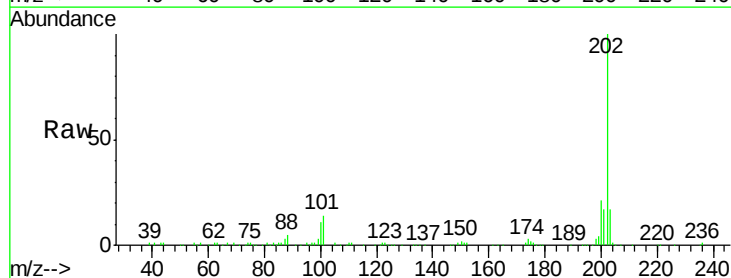
RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104406.D

Acq: 10 Apr 2018 14:08

Tgt Ion:	202	Resp:	118986
Ion Ratio		Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.1	14.3	21.5





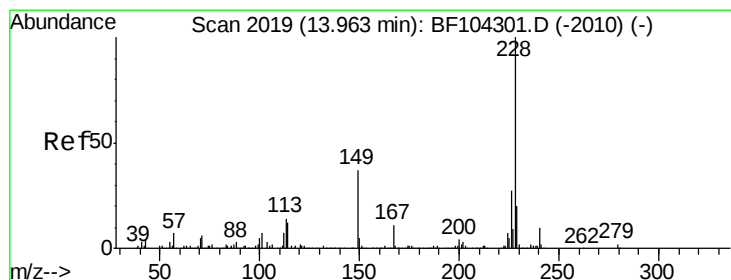
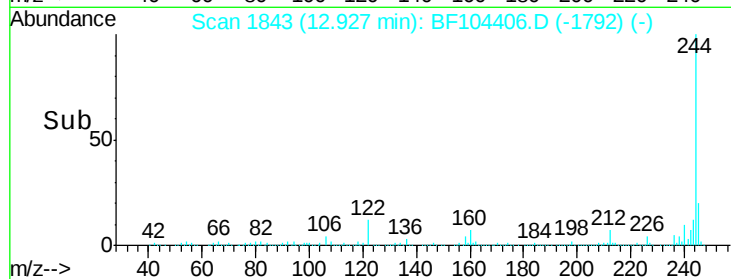
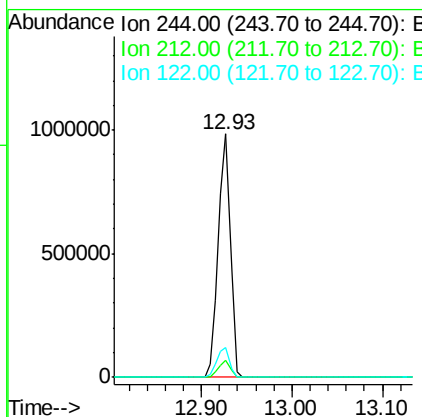
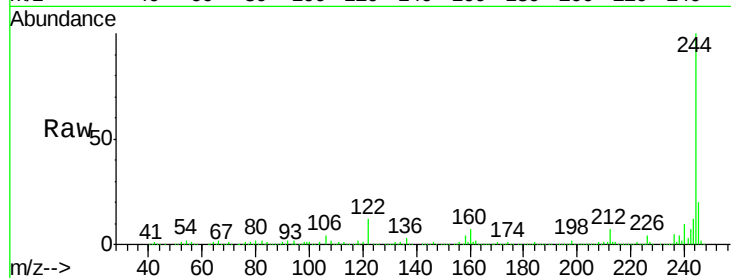
#78
 Terphenyl-d14
 Concen: 67.709 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Instrument :
 BNA_F
 ClientSampled :
 S-2-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.1	11.0	16.4

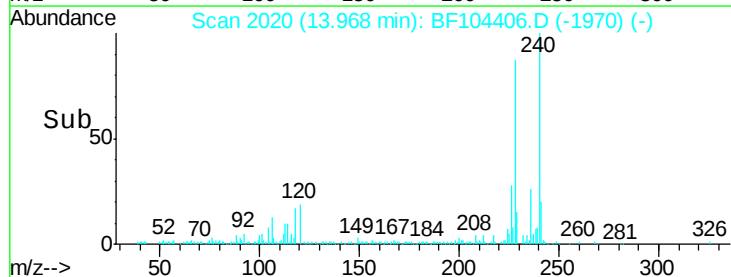
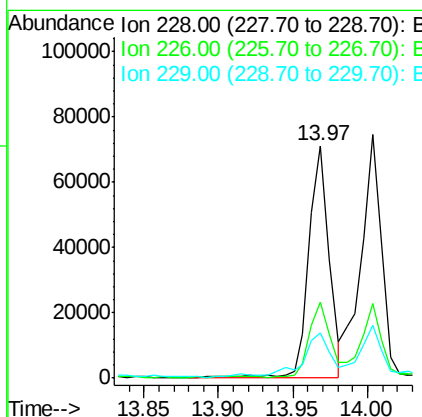
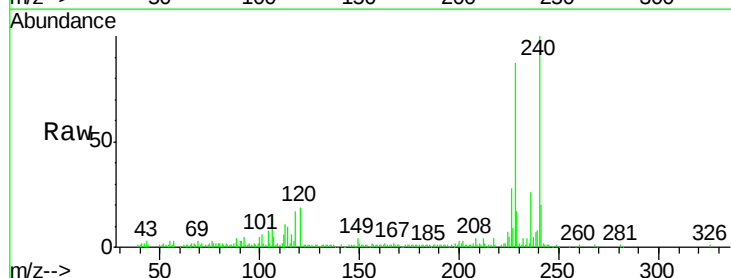
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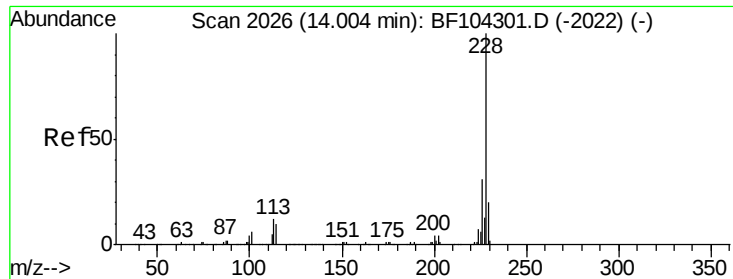
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#80
 Benzo(a)anthracene
 Concen: 3.699 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104406.D
 Acq: 10 Apr 2018 14:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	19.7	15.8	23.6





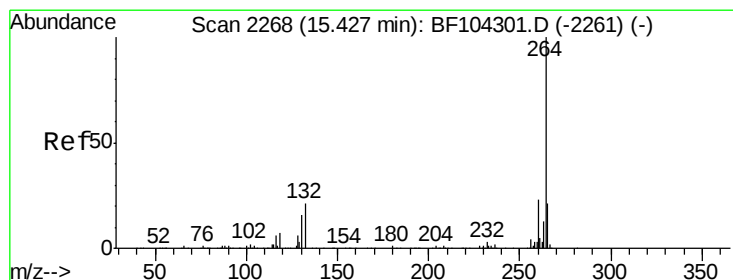
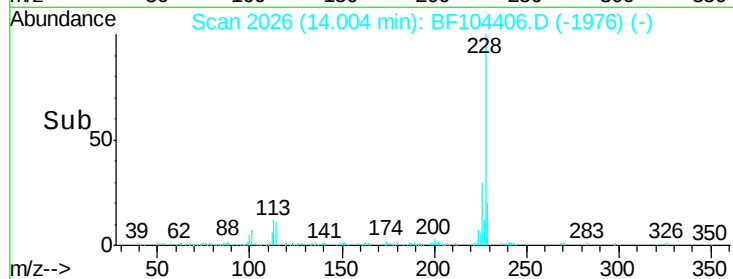
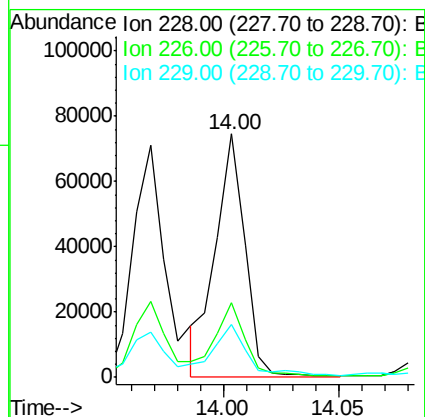
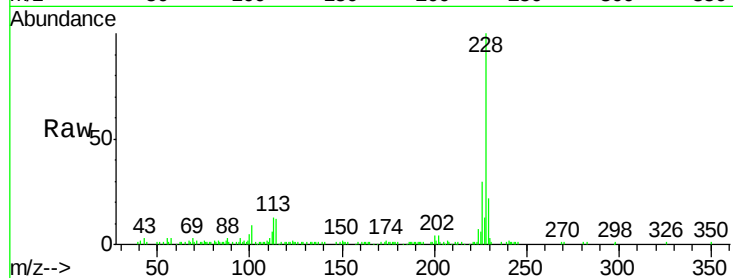
#82
Chrysene
Concen: 3.531 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Instrument :
BNA_F
ClientSampled :
S-2-COMP

Tot Ion:	228	Resp:	65928
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	21.6	16.2	24.4

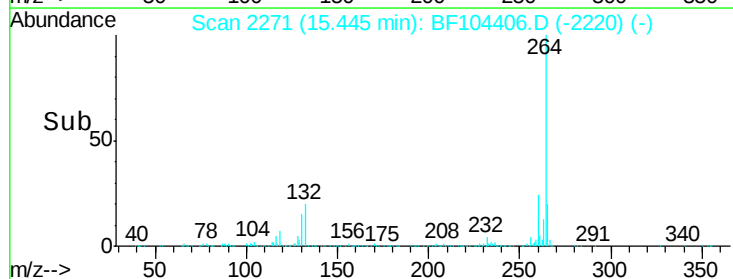
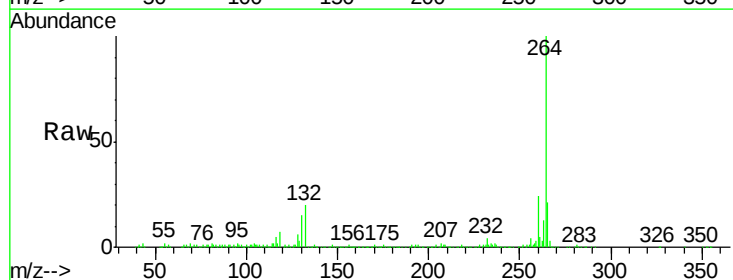
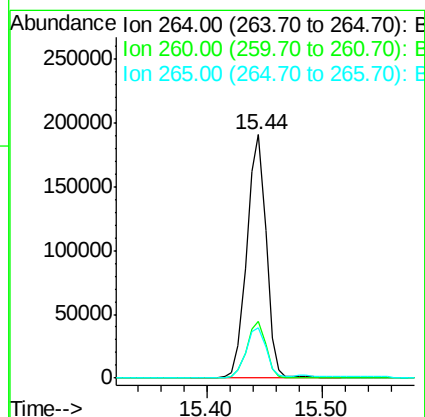
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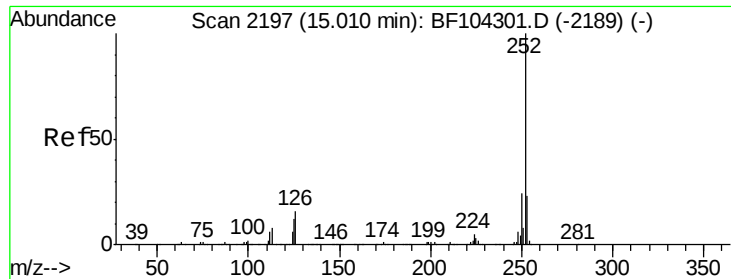
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4/11/2018 5:16:59 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion:	264	Resp:	222859
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	20.6	17.5	26.3





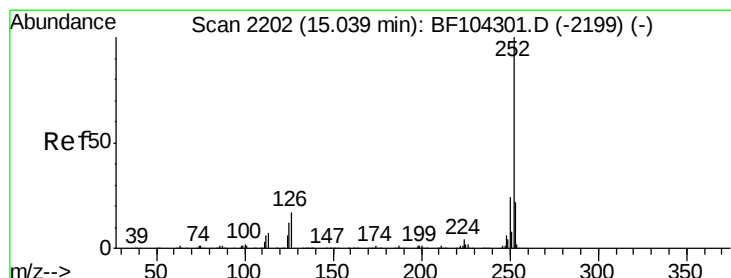
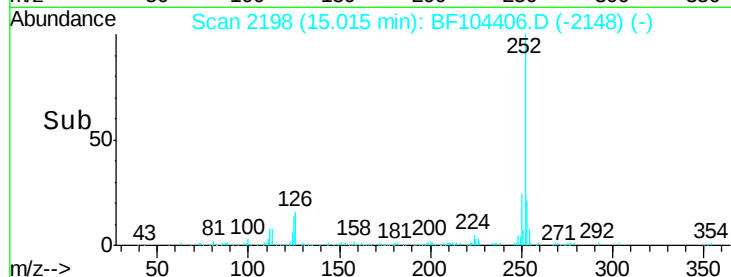
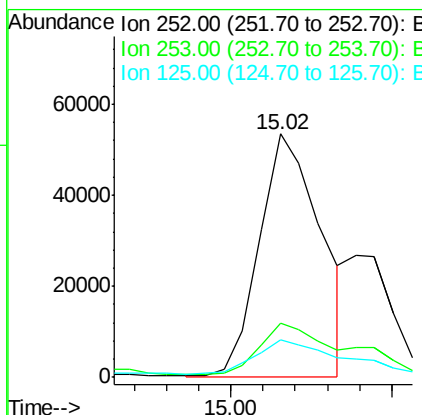
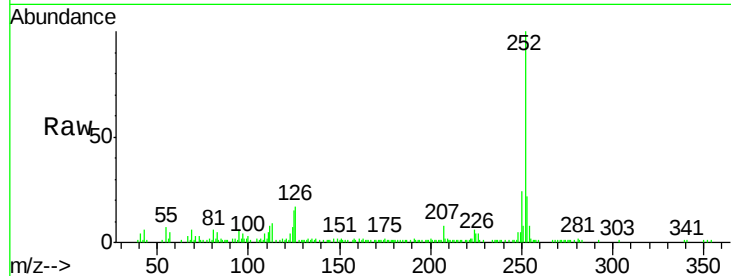
#87
Benzo(b)fluoranthene
Concen: 5.120 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Instrument :
BNA_F
ClientSampleId :
S-2-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	15.4	9.0	13.6

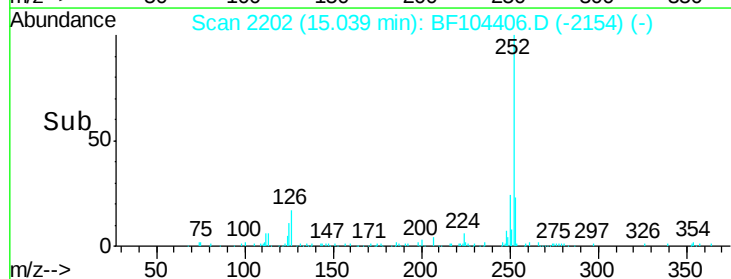
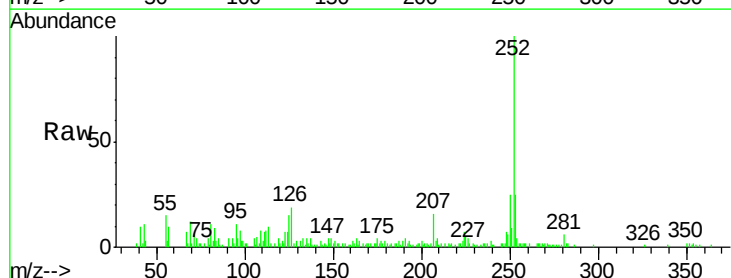
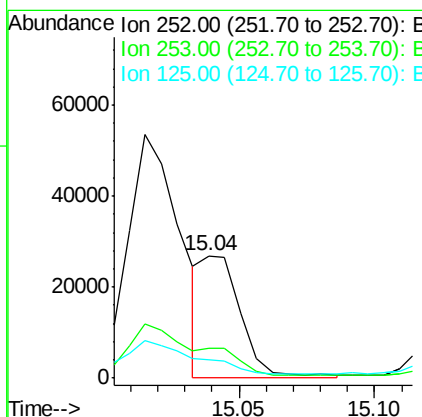
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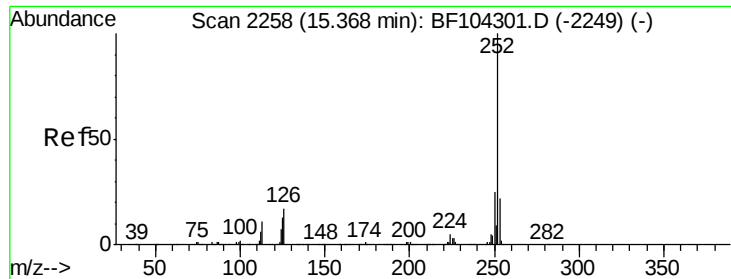
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4/11/2018 5:16:59 PM



#88
Benzo(k)fluoranthene
Concen: 2.022 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	15.2	10.2	15.2





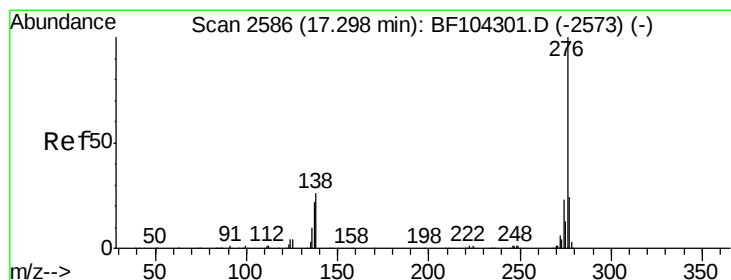
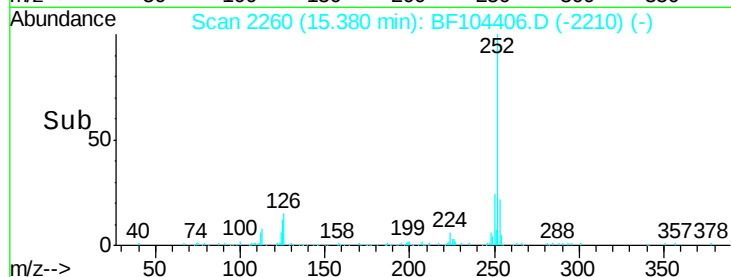
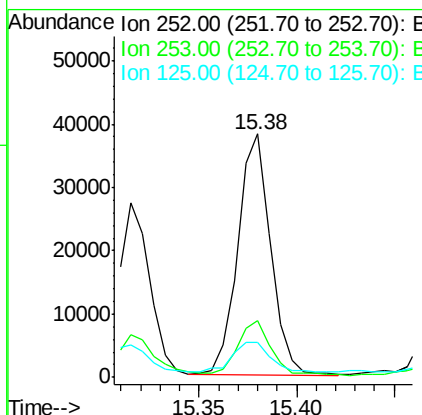
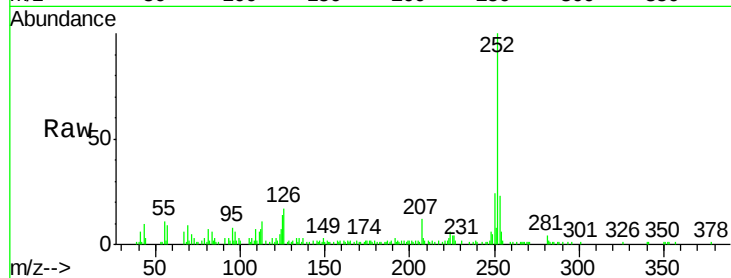
#89
Benzo(a)pyrene
Concen: 3.518 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Instrument :
BNA_F
ClientSampled :
S-2-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.1	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.504 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.02 min
Lab File: BF104406.D
Acq: 10 Apr 2018 14:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	17.9	26.9#
138	29.3	21.8	32.8

