

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104604.D
 Acq On : 18 Apr 2018 16:24
 Operator : JU/SJ
 Sample : J2413-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-B2-0-6

Manual Integrations
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Sohil
 4/19/2018 12:43:14 PM

Quant Time: Apr 18 17:08:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118977	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	446170	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	166786	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	269706	20.00	ng	0.00
75) Chrysene-d12	13.97	240	280852	20.00	ng	0.00
86) Perylene-d12	15.44	264	241250	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	656751	84.40	ng	0.00
7) Phenol-d6	6.44	99	768233	80.36	ng	0.00
23) Nitrobenzene-d5	7.37	82	501484	73.39	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	140524	81.22	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	762671	72.24	ng	0.00
78) Terphenyl-d14	12.92	244	634398	51.50	ng	0.00
Target Compounds						
10) Phenol	6.45	94	26908	2.653	ng	95
49) Dimethylphthalate	9.56	163	96745	7.356	ng	99
70) Phenanthrene	11.35	178	69870	4.652	ng	99
74) Fluoranthene	12.54	202	164827	10.503	ng	98
77) Pyrene	12.77	202	167324	8.038	ng	99
80) Benzo(a)anthracene	13.96	228	115522	6.885	ng	94
82) Chrysene	14.00	228	122459	7.106	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	56282	3.844	ng	94
87) Benzo(b)fluoranthene	15.02	252	154646m	10.149	ng	
88) Benzo(k)fluoranthene	15.04	252	58165m	4.043	ng	
89) Benzo(a)pyrene	15.38	252	100389	7.364	ng	# 94
91) Benzo(a,h,i)perylene	17.33	276	60568	5.583	ng	97

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

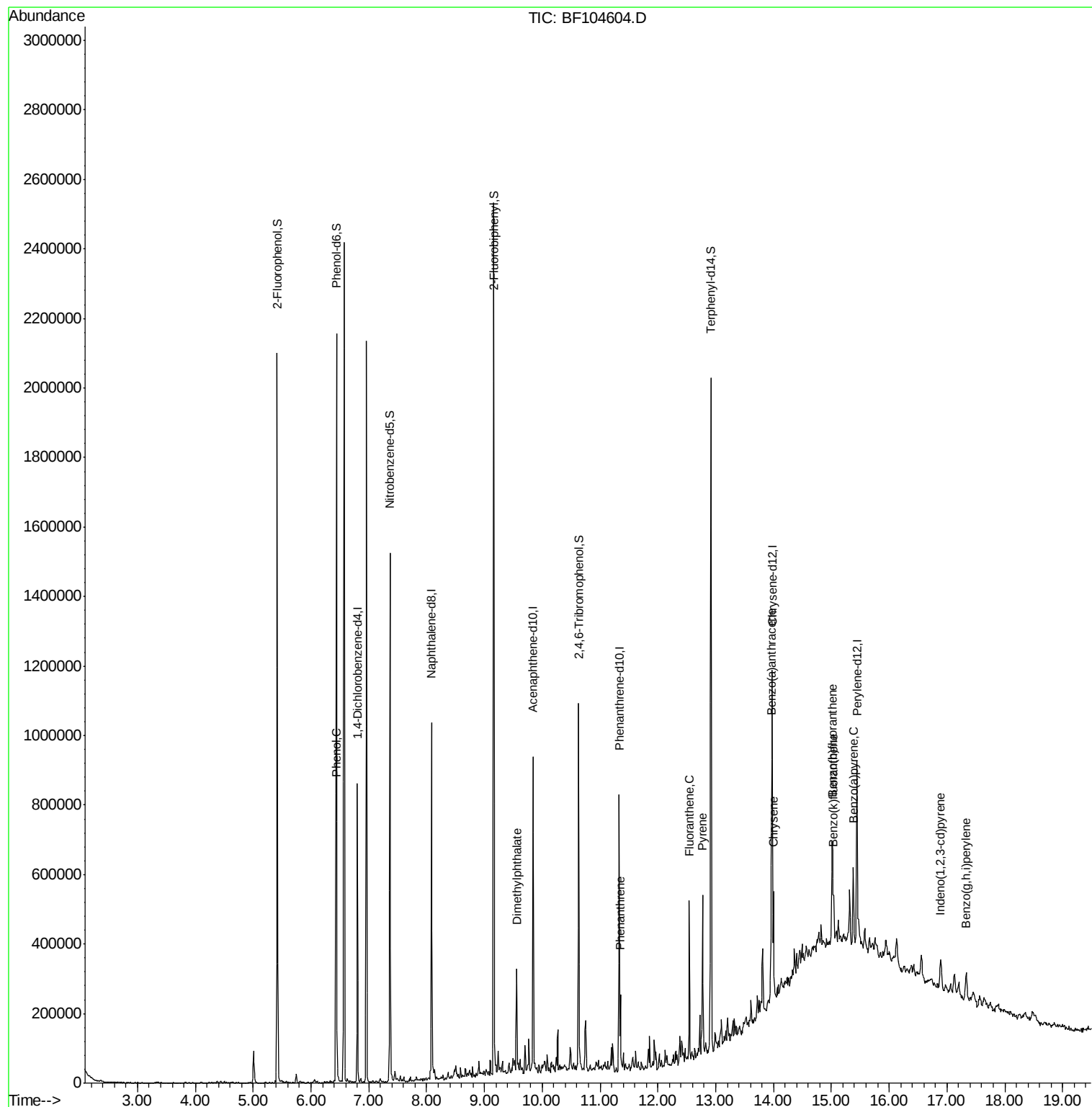
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104604.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

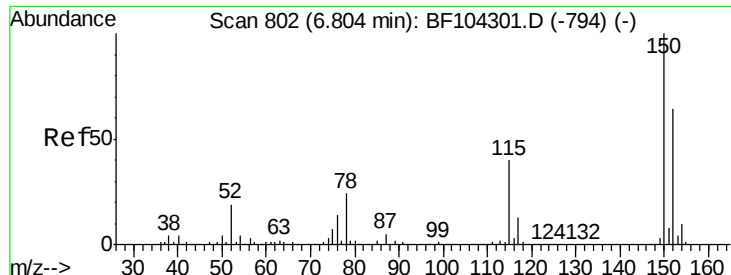
Instrument :
BNA_F
ClientSampleId :
COMP-B2-0-6

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#1

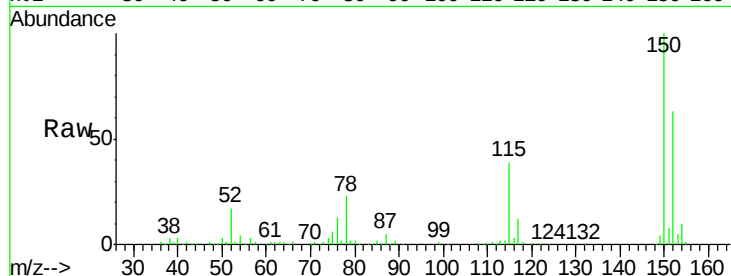
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Instrument :
BNA_F
ClientSampleId :
COMP-B2-0-6

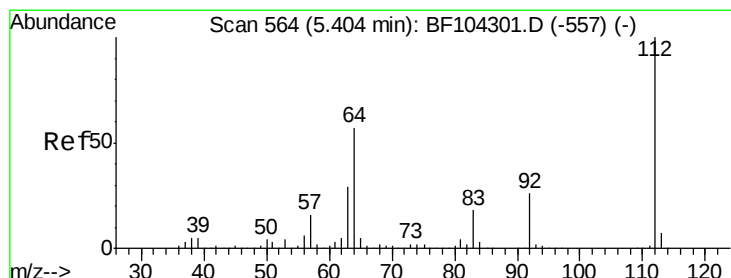
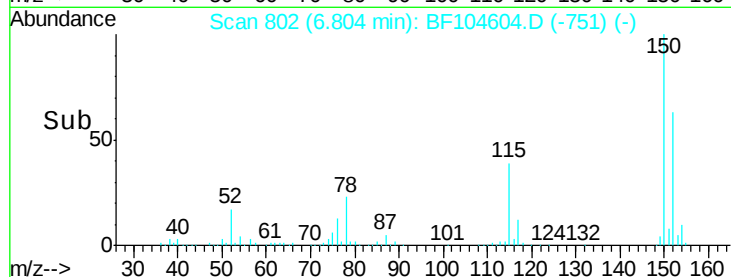
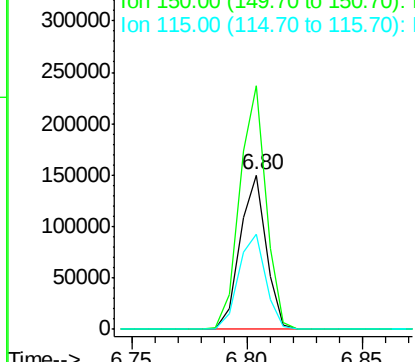
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	62.1	50.1	75.1

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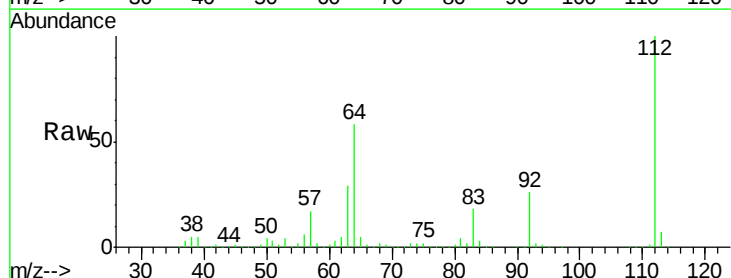
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



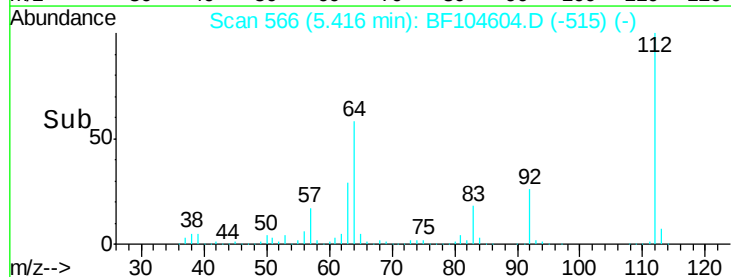
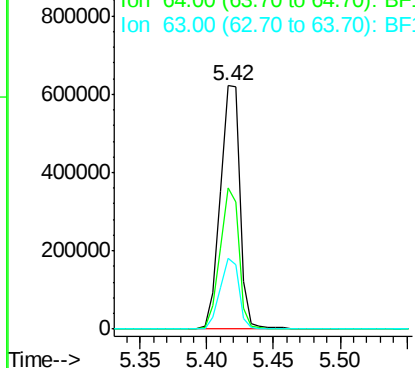
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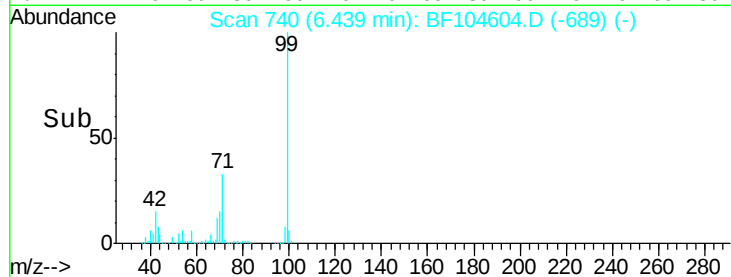
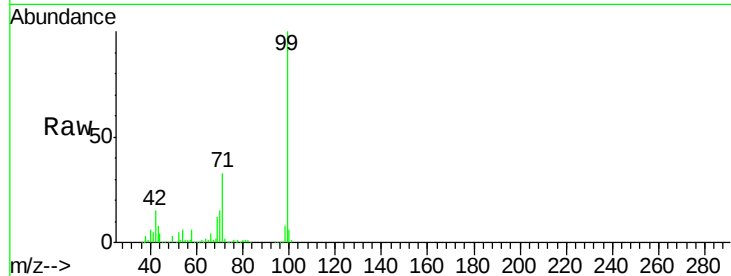
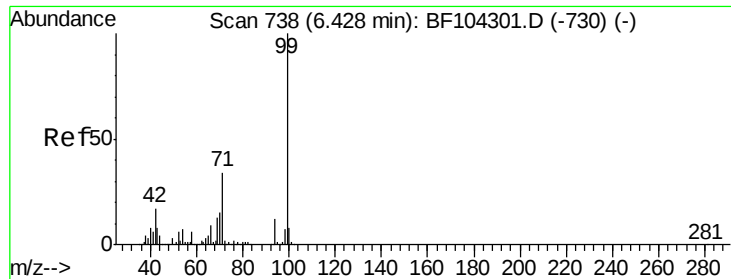
2-Fluorophenol
Concen: 84.404 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	29.3	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 80.356 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Tot Ion:	99	Resp:	768233
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	32.6	25.4	38.0

Instrument :

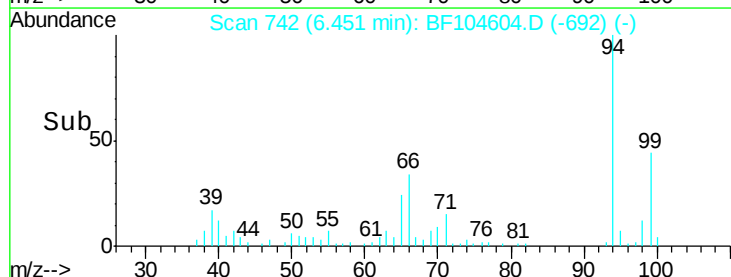
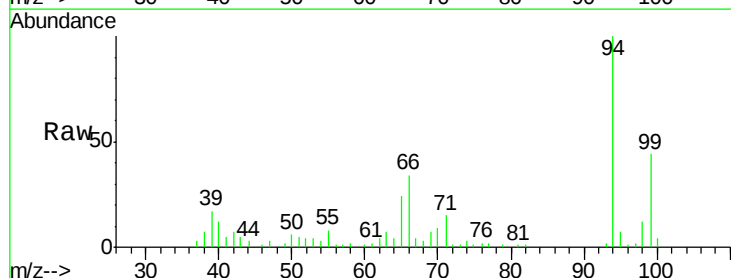
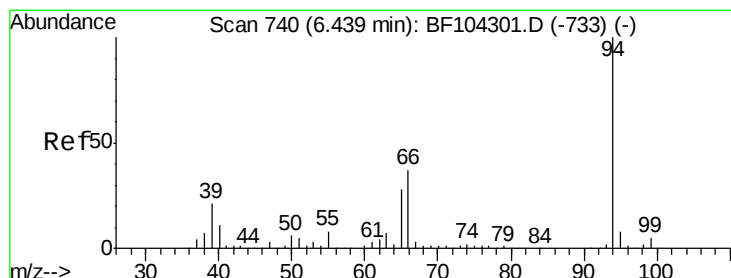
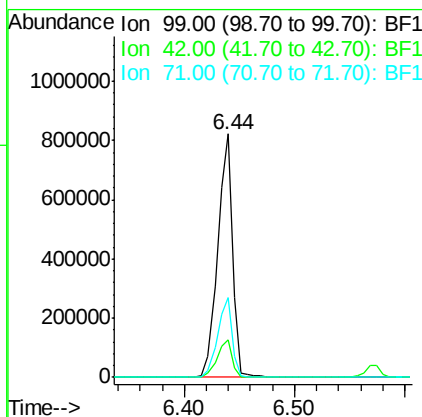
BNA_F

ClientSampled :

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#10

Phenol

Concen: 2.653 ng

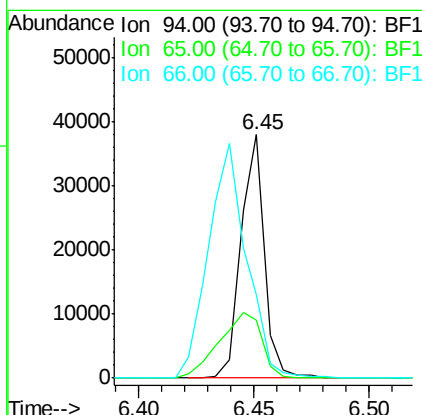
RT: 6.45 min Scan# 742

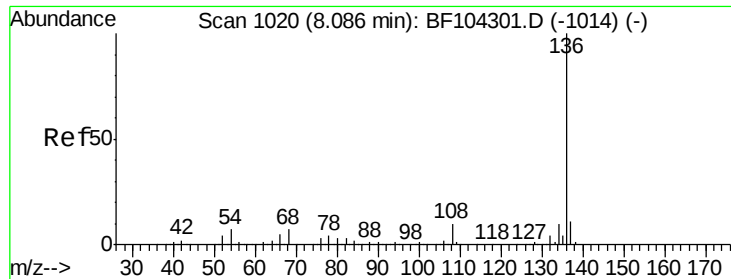
Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Tgt Ion:	94	Resp:	26908
Ion Ratio	Lower	Upper	
94	100		
65	24.0	7.9	47.9
66	34.4	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

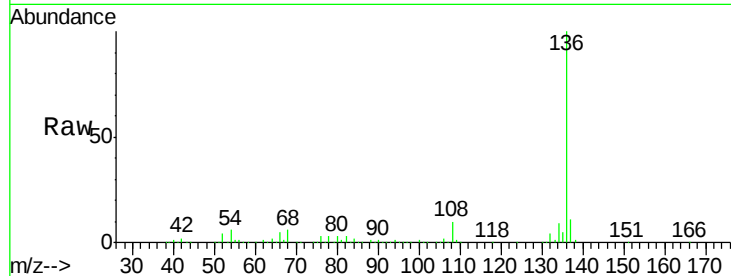
ClientSampleId :

COMP-B2-0-6

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	6.4	6.6	9.8	
68	6.0	5.0	7.4	

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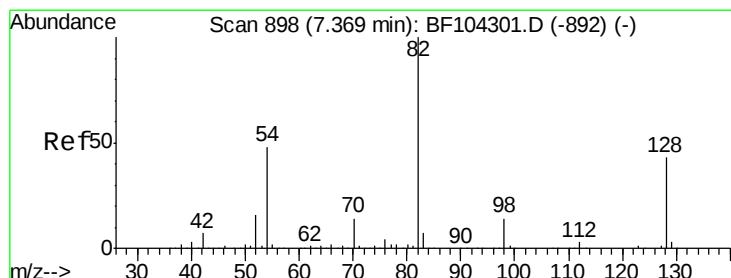
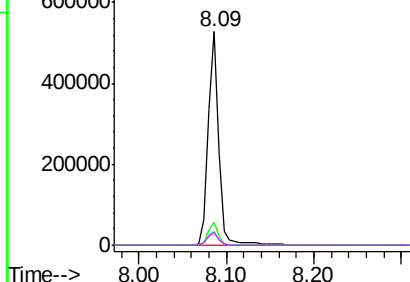
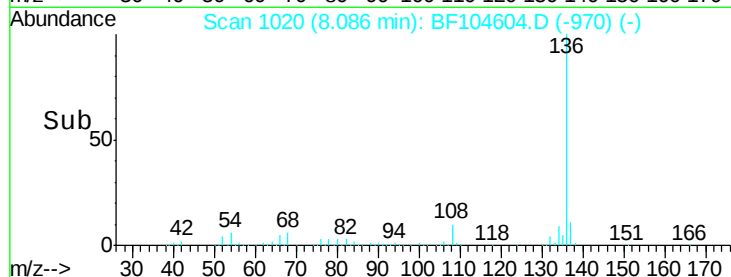


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 73.393 ng

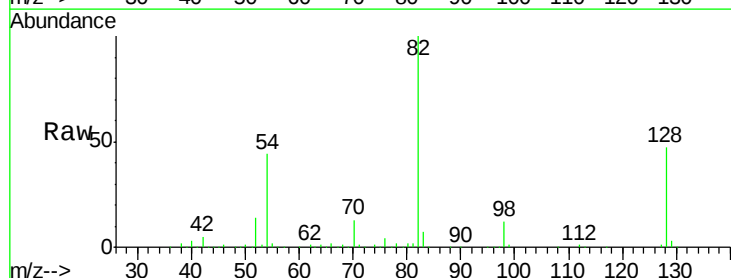
RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

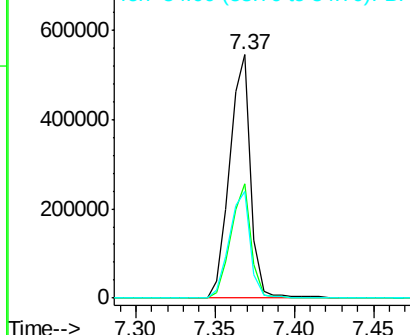
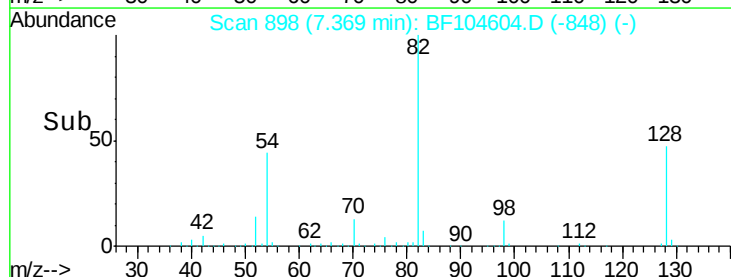
Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.8	36.1	54.1	
54	43.6	41.4	62.2	

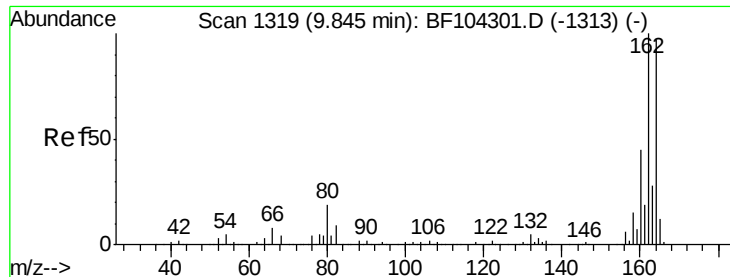


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





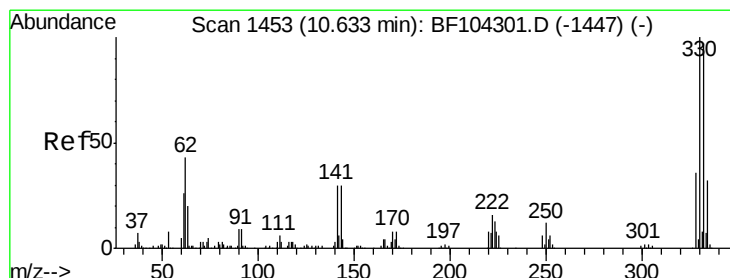
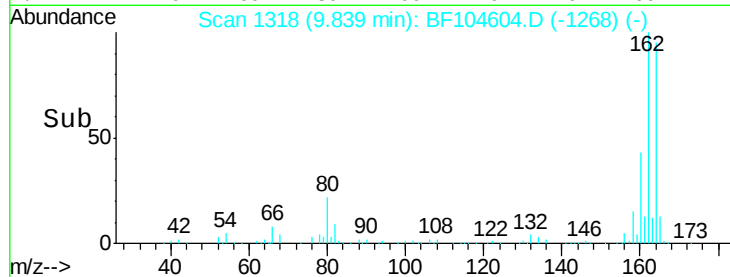
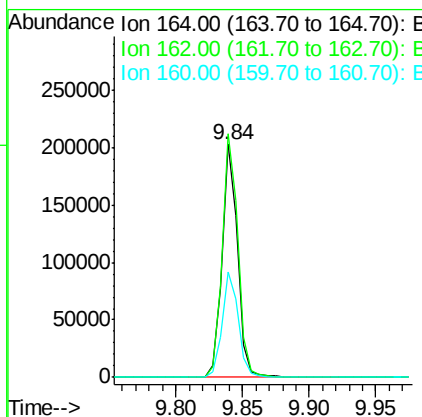
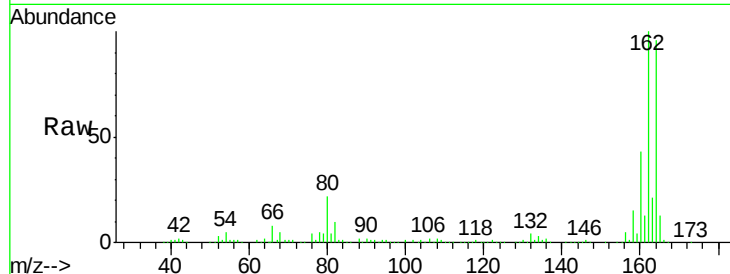
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :
 COMP-B2-0-6

Tot Ion	Ratio	Resp	Lower	Upper
164	100	166786		
162	104.4	86.1	129.1	
160	45.0	38.3	57.5	

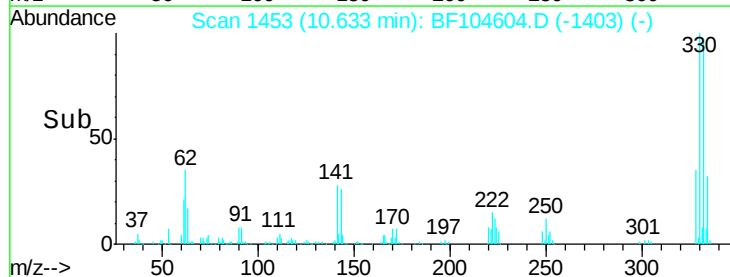
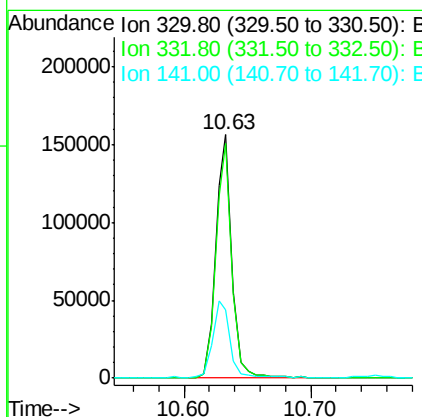
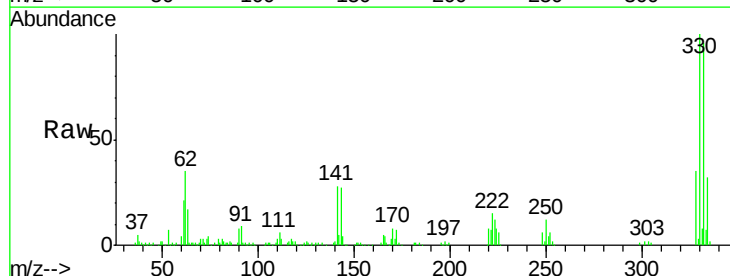
Manual Integrations
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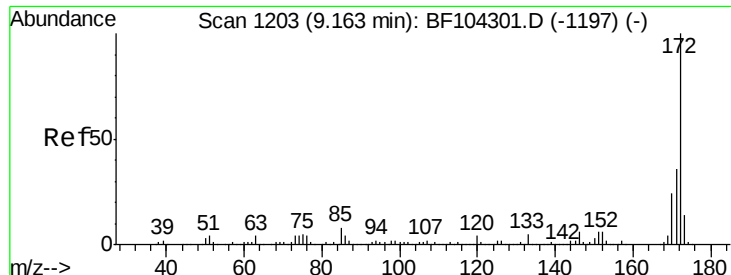
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#41
 2,4,6-Tribromophenol
 Concen: 81.222 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	140524		
332	95.8	77.0	115.6	
141	33.3	29.9	44.9	





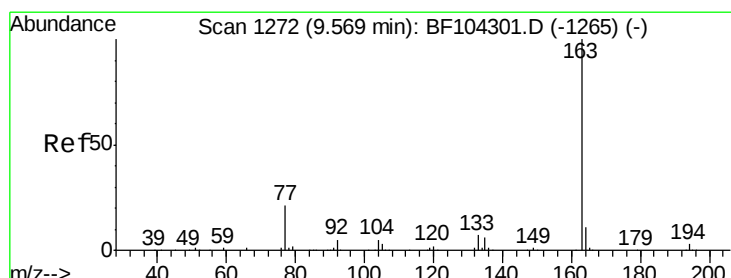
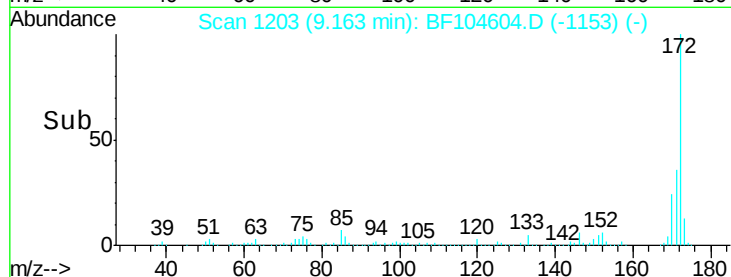
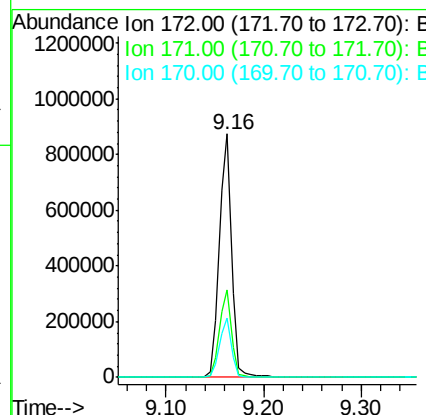
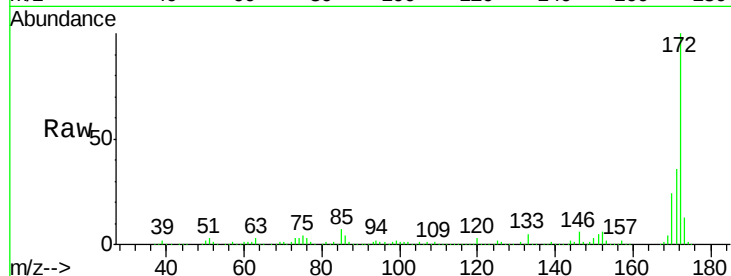
#44
2-Fluorobiphenyl
Concen: 72.238 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Instrument :
BNA_F
ClientSampleId :
COMP-B2-0-6

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.2	19.6	29.4

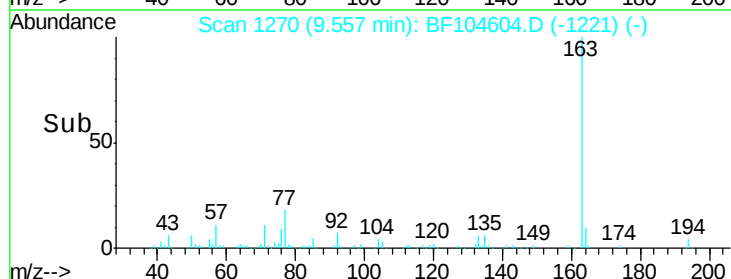
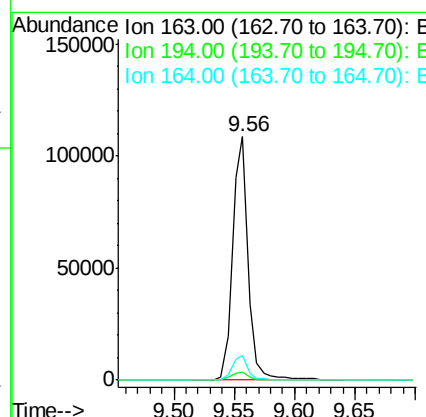
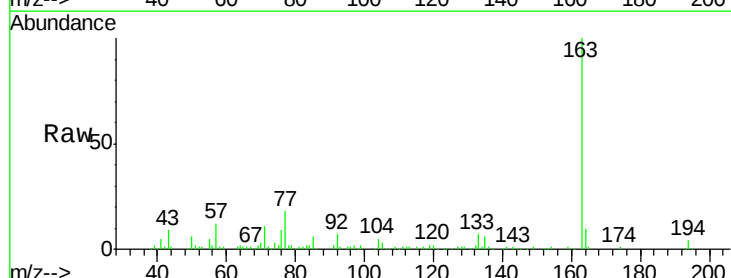
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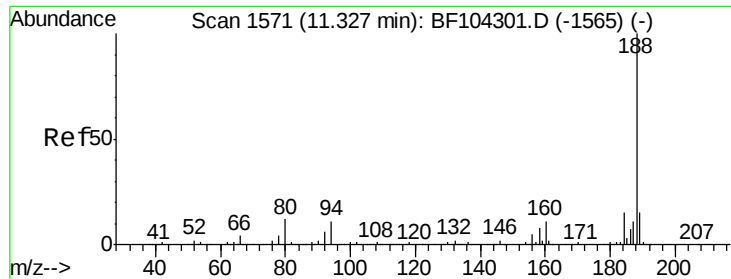
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#49
Dimethylphthalate
Concen: 7.356 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.9	8.2	12.2





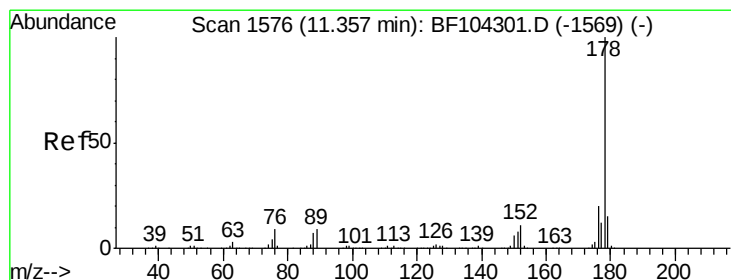
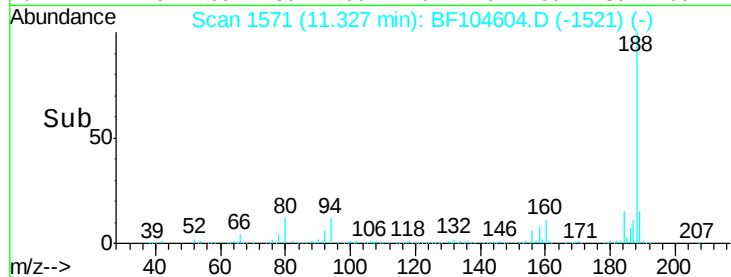
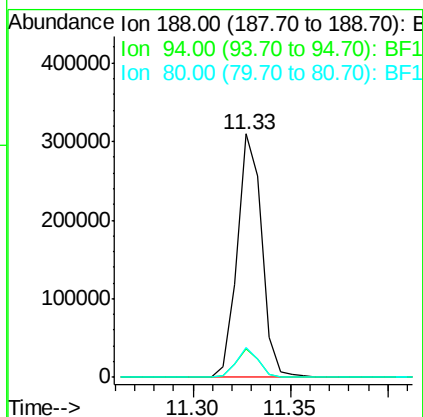
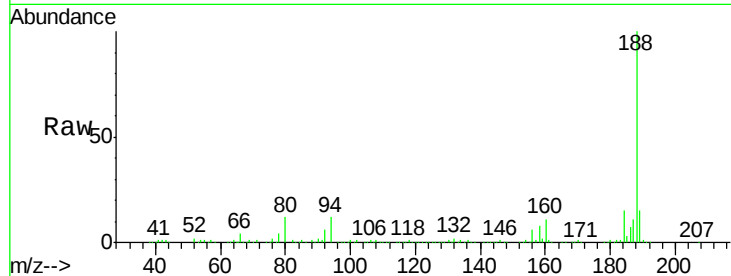
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :
 COMP-B2-0-6

Tot Ion:	188	Resp:	269706
Ion Ratio	Lower	Upper	
188	100		
94	11.5	8.5	12.7
80	12.4	9.2	13.8

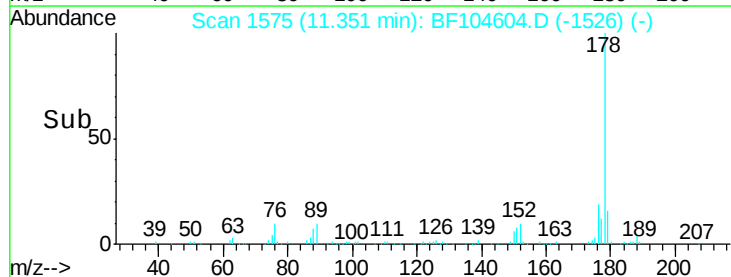
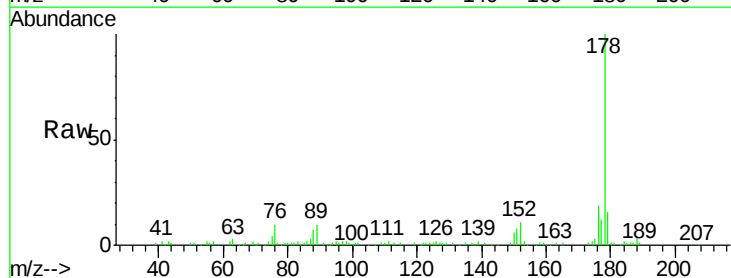
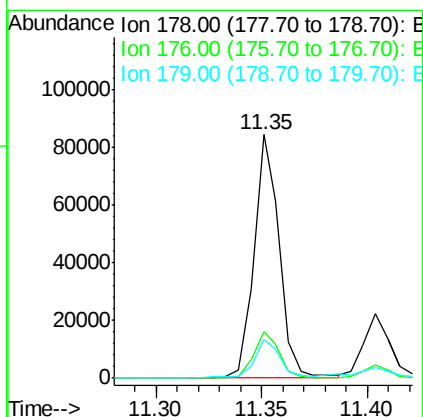
Manual Integrations
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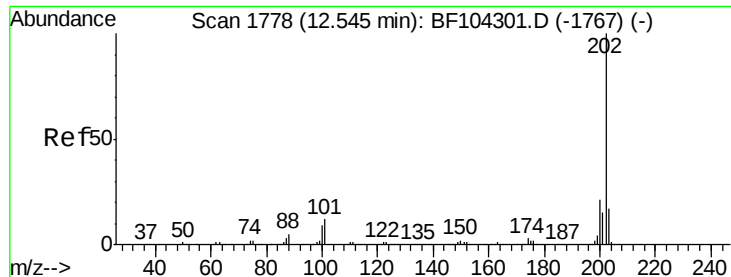
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#70
 Phenanthrene
 Concen: 4.652 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Tgt Ion:	178	Resp:	69870
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	16.1	13.0	19.6





#74

Fluoranthene

Concen: 10.503 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

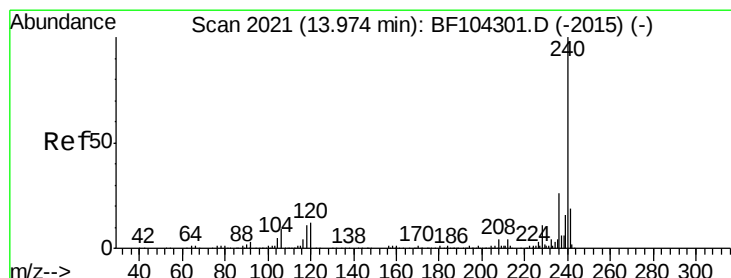
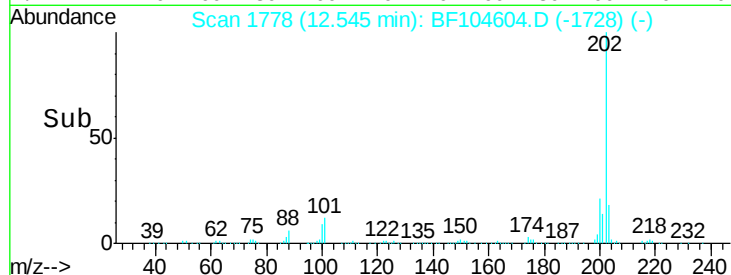
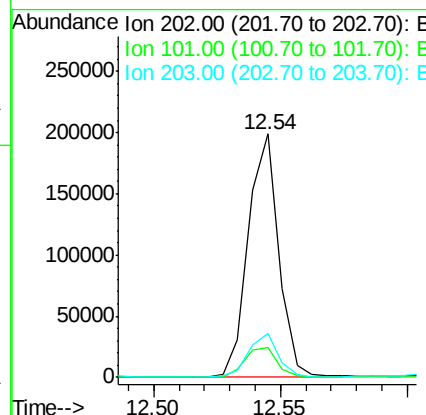
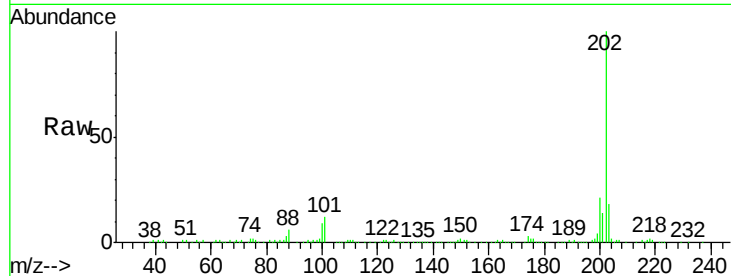
ClientSampleId :

COMP-B2-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		164827		
101	12.2	0.0	34.1		
203	18.0	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

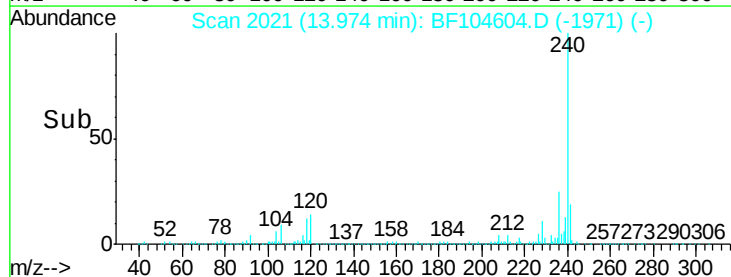
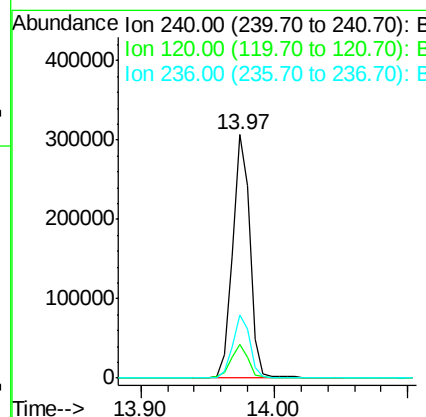
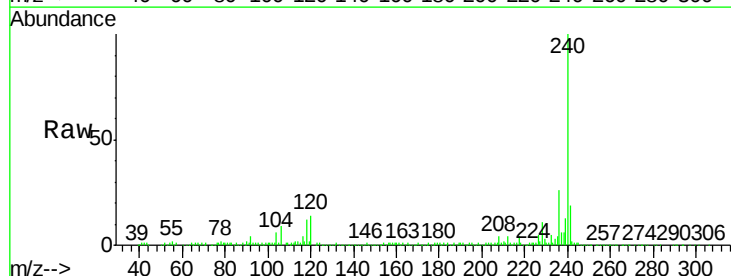
RT: 13.97 min Scan# 2021

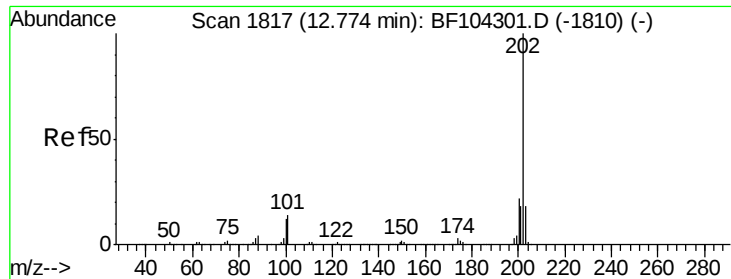
Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		280852		
120	13.7	9.5	14.3		
236	25.7	20.7	31.1		





#77

Pvrene

Concen: 8.038 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

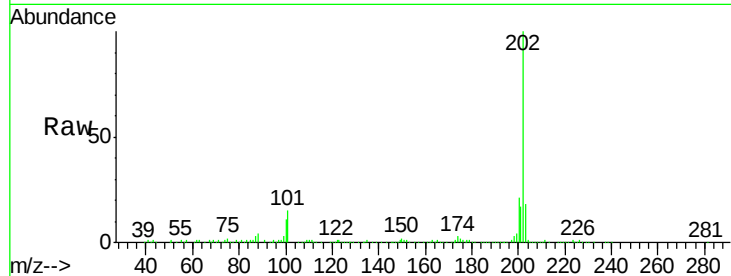
ClientSampleId :

COMP-B2-0-6

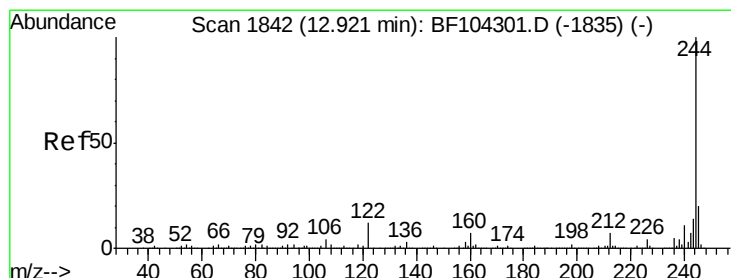
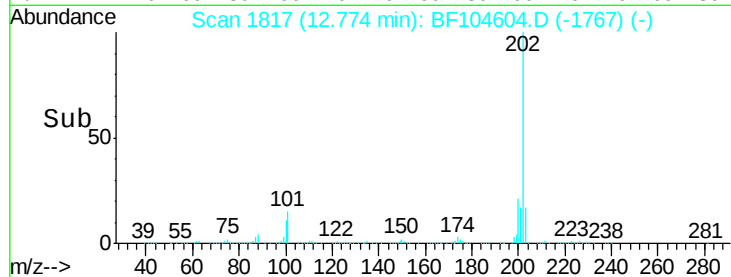
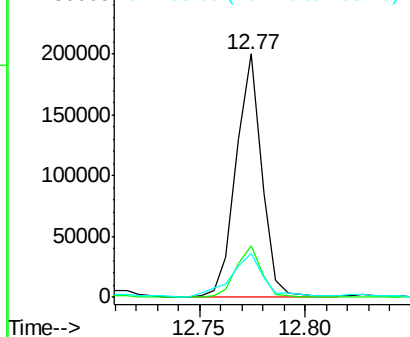
Tot Ion:	202	Resp:	167324
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.8	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 51.498 ng

RT: 12.92 min Scan# 1841

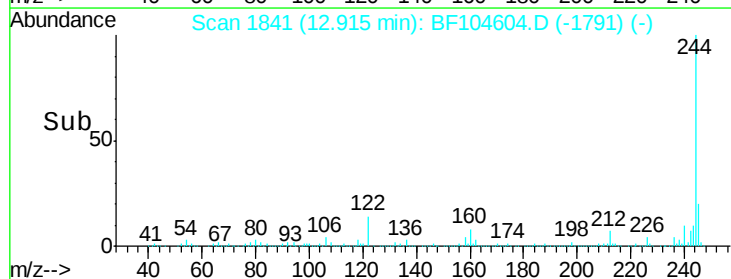
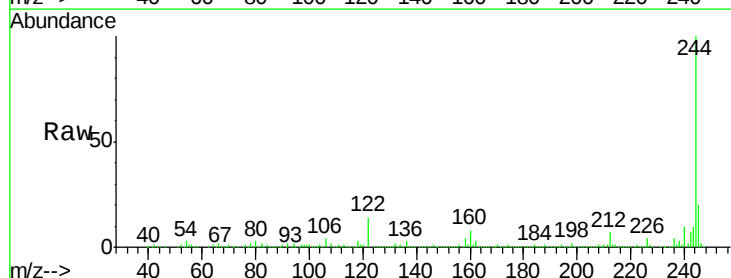
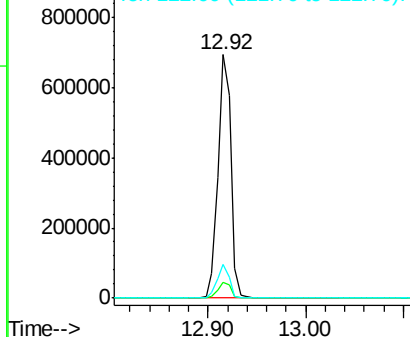
Delta R.T. -0.01 min

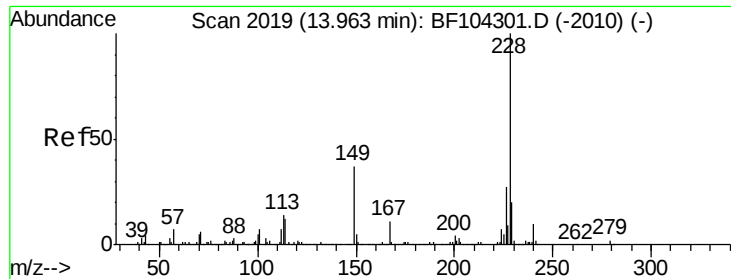
Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Tgt Ion:	244	Resp:	634398
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	13.7	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





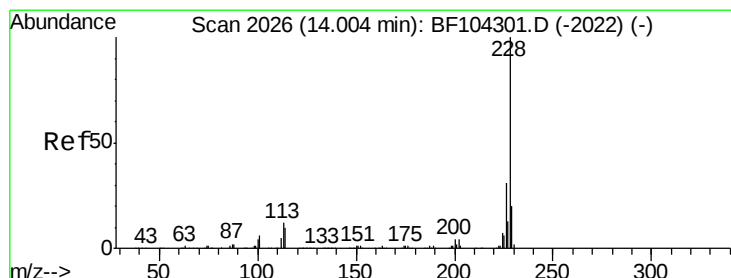
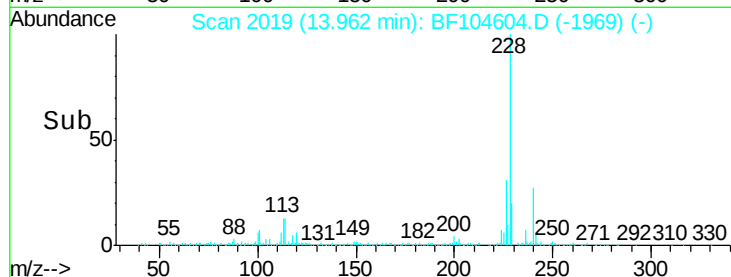
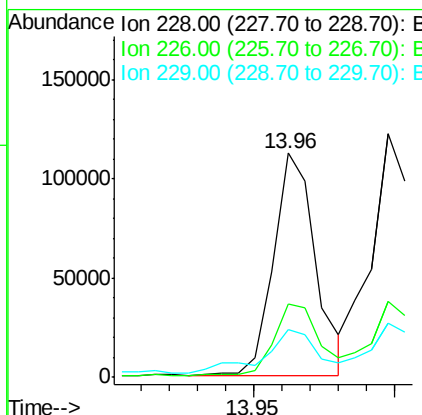
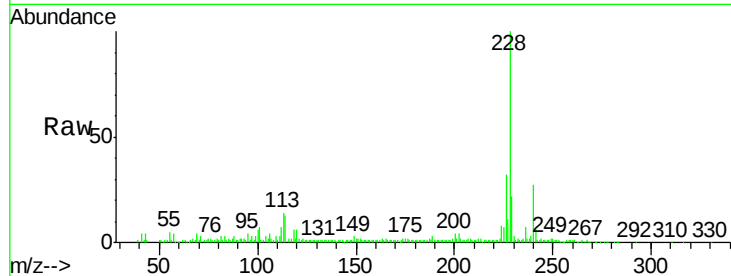
#80
Benzo(a)anthracene
Concen: 6.885 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Instrument :
BNA_F
ClientSampleId :
COMP-B2-0-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	21.5	15.8	23.6

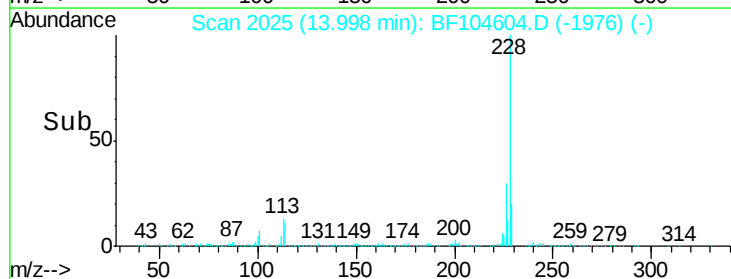
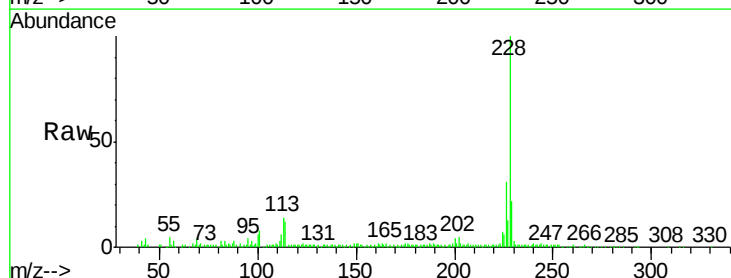
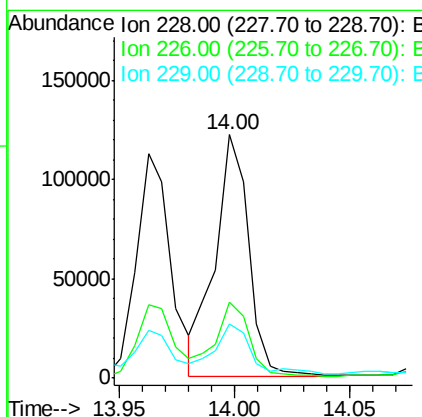
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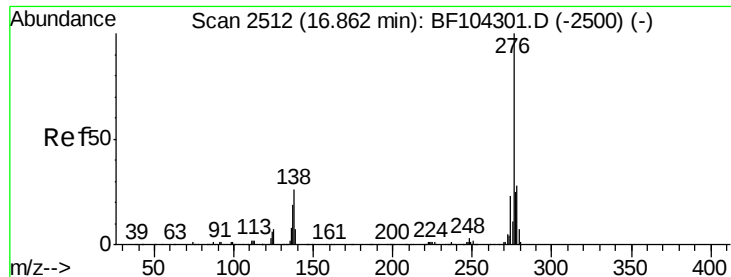
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#82
Chrysene
Concen: 7.106 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104604.D
Acq: 18 Apr 2018 16:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.3	16.2	24.4





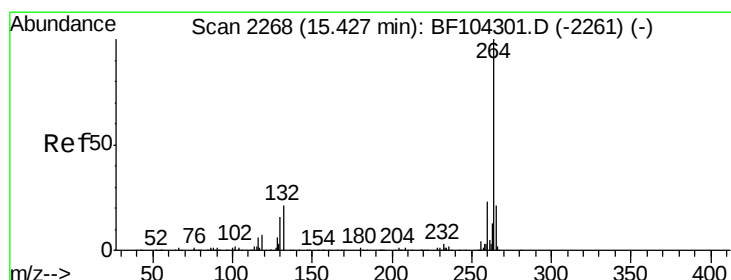
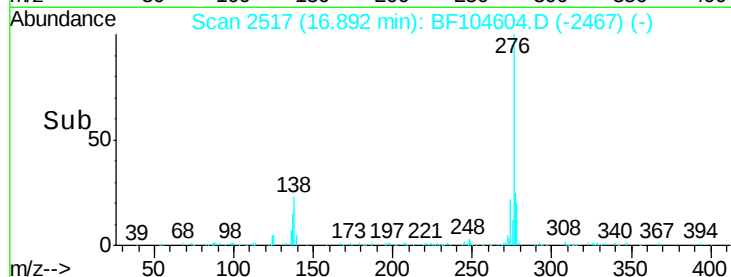
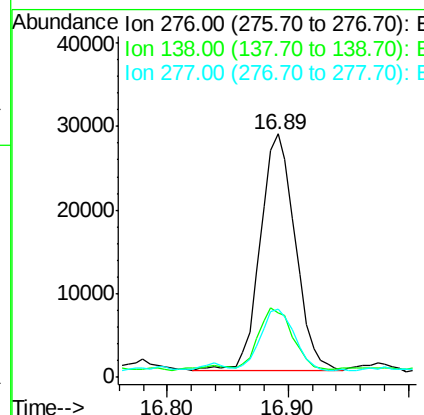
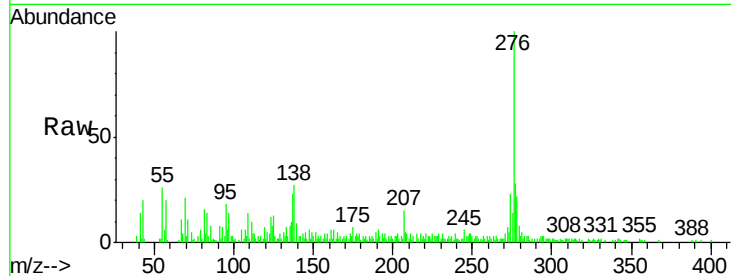
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.844 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :
 COMP-B2-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	25.0	37.6
277	25.6	20.1	30.1

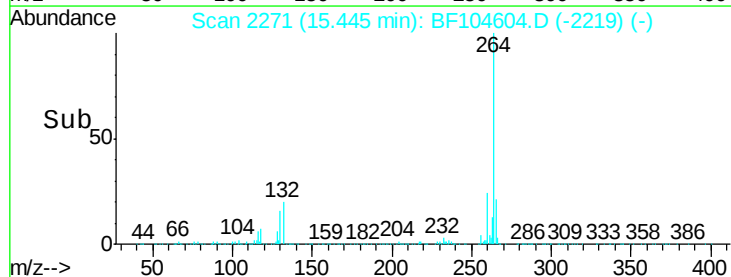
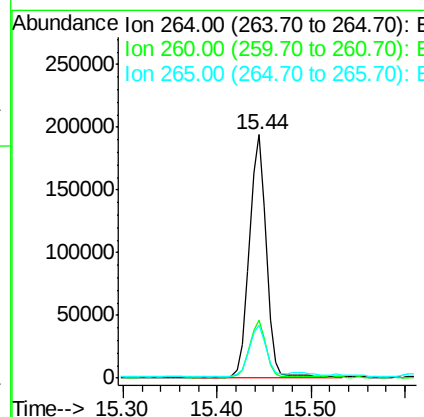
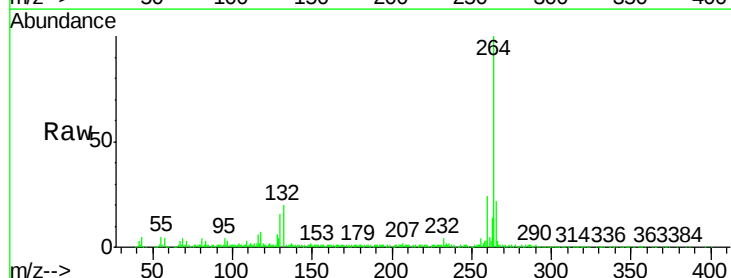
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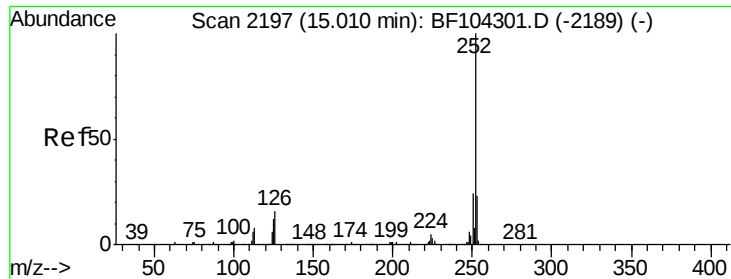
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF104604.D
 Acq: 18 Apr 2018 16:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 10.149 ng m

RT: 15.02 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

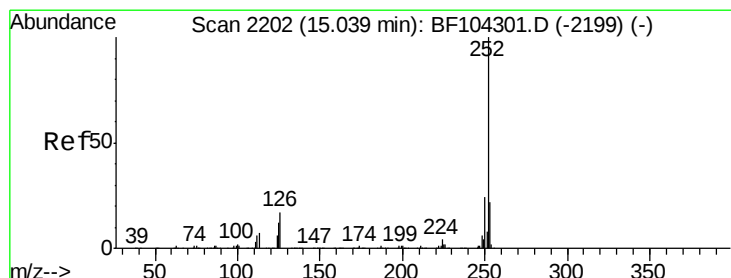
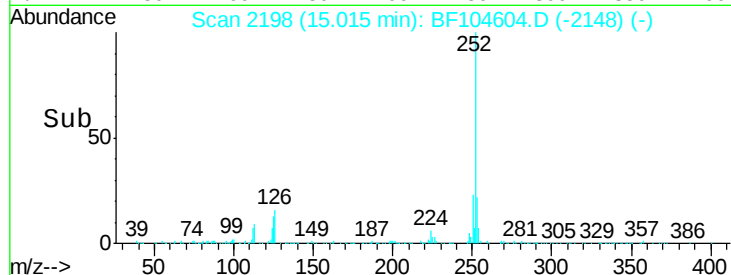
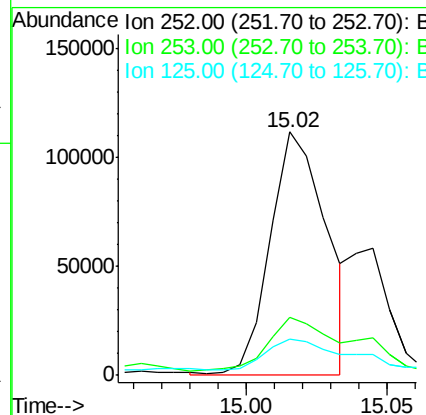
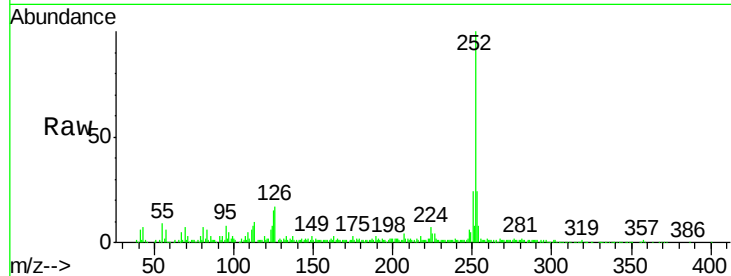
ClientSampleId :

COMP-B2-0-6

Tot Ion:	252	Resp:	154646
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	14.9	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.043 ng m

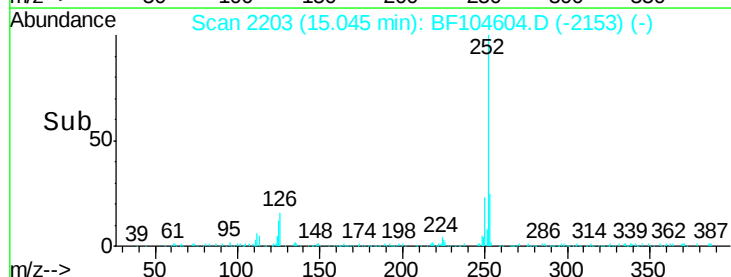
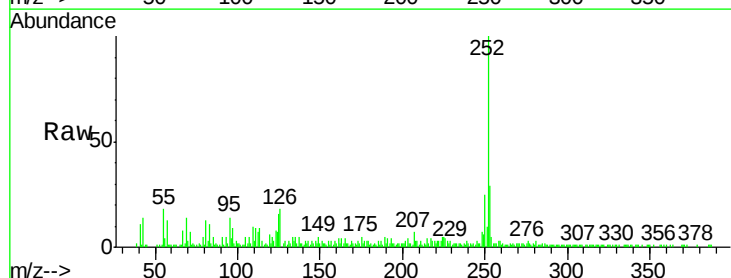
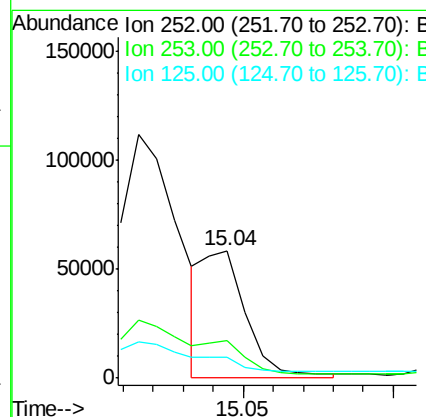
RT: 15.04 min Scan# 2203

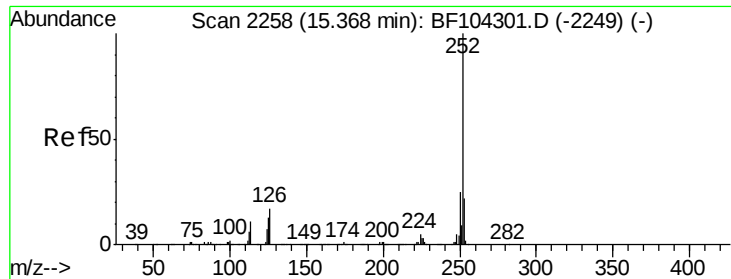
Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Tgt Ion:	252	Resp:	58165
Ion Ratio	Lower	Upper	
252	100		
253	29.4	17.9	26.9#
125	16.0	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 7.364 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Instrument :

BNA_F

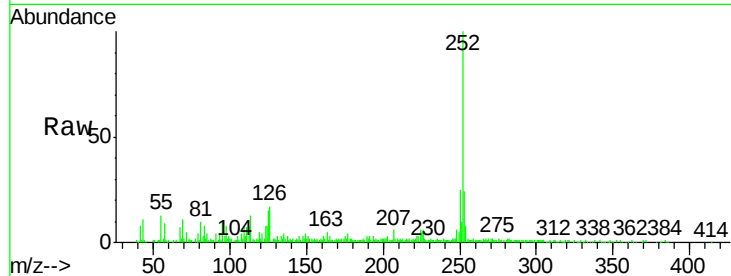
ClientSampleId :

COMP-B2-0-6

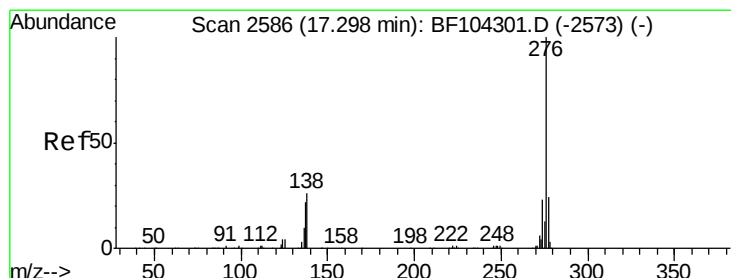
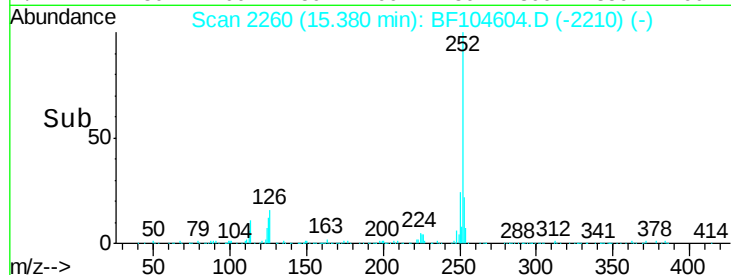
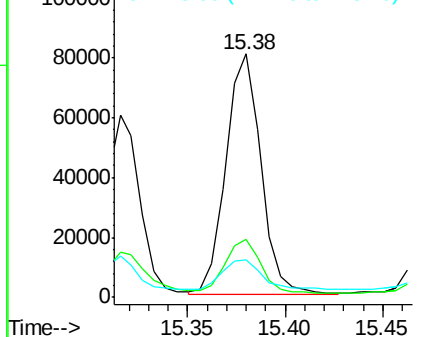
Tot Ion:	252	Resp:	100389
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	15.4	9.8	14.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.583 ng

RT: 17.33 min Scan# 2592

Delta R.T. -0.01 min

Lab File: BF104604.D

Acq: 18 Apr 2018 16:24

Tgt Ion:	276	Resp:	60568
Ion Ratio	Lower	Upper	
276	100		
277	25.9	17.9	26.9
138	27.4	21.8	32.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

