

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104864.D
 Acq On : 27 Apr 2018 6:04
 Operator : JU/SJ
 Sample : J2520-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6 0.0-0.5

Manual Integrations
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 4/27/2018 6:59:35 PM

Quant Time: Apr 27 13:18:26 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	112052	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	437210	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	169699	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	264284	20.00	ng	0.00
75) Chrysene-d12	13.98	240	240180	20.00	ng	0.00
86) Perylene-d12	15.44	264	179749	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	849655	115.94	ng	0.00
7) Phenol-d6	6.45	99	1015396	112.77	ng	0.00
23) Nitrobenzene-d5	7.37	82	623348	93.10	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	199036	113.07	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	966516	89.97	ng	0.00
78) Terphenyl-d14	12.92	244	767595	72.86	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	93181	6.963	ng	99
70) Phenanthrene	11.35	178	77389	5.258	ng	98
74) Fluoranthene	12.55	202	129360	8.412	ng	98
77) Pyrene	12.77	202	116390	6.538	ng	97
80) Benzo(a)anthracene	13.97	228	61170	4.263	ng	99
82) Chrysene	14.00	228	58738	3.985	ng	99
87) Benzo(b)fluoranthene	15.02	252	52802m	4.651	ng	
88) Benzo(k)fluoranthene	15.04	252	21959m	2.049	ng	
89) Benzo(a)pyrene	15.38	252	36845	3.627	ng	99
91) Benzo(g,h,i)perylene	17.35	276	16465	2.037	ng	# 91

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

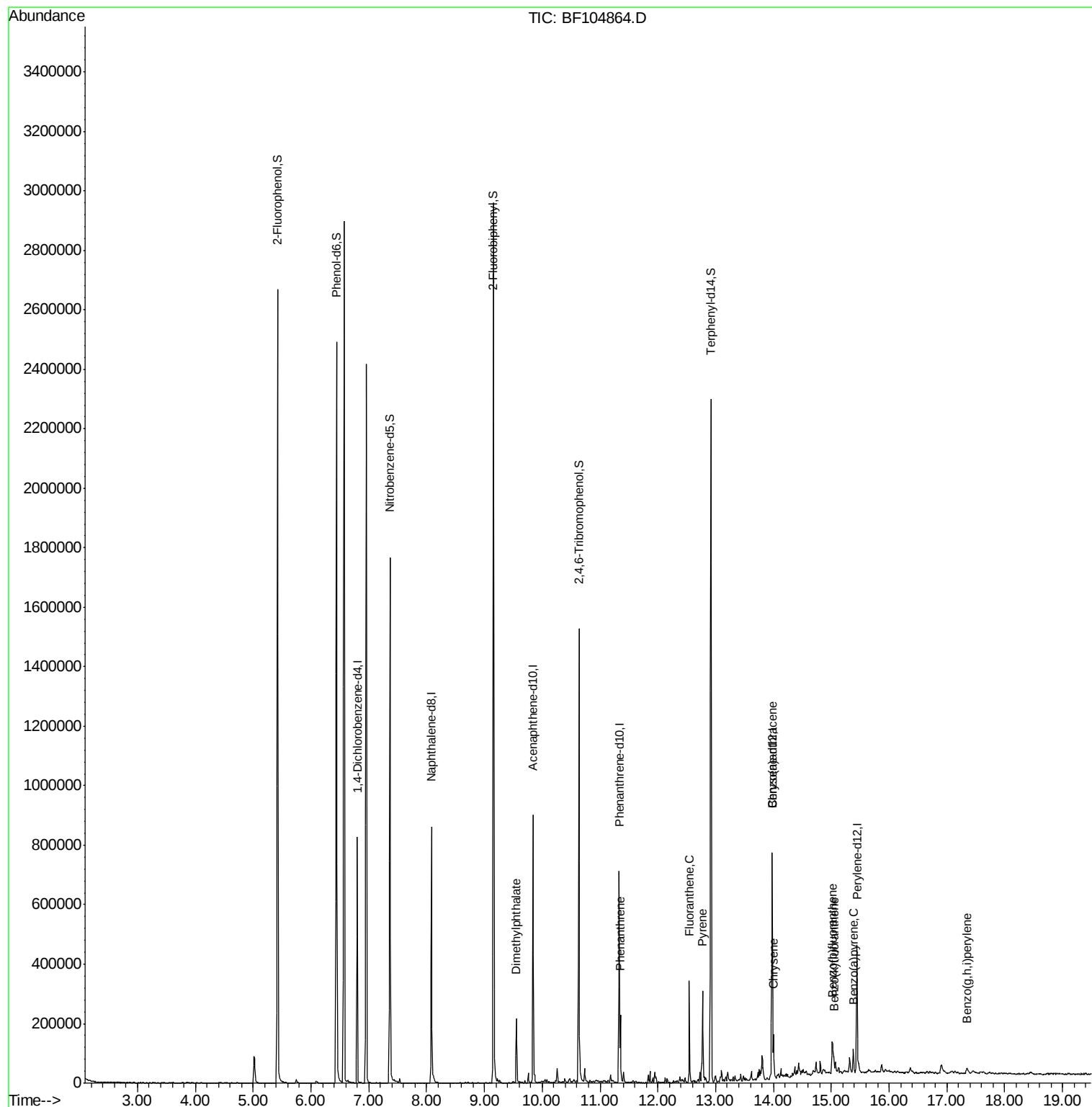
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
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Sample : J2520-11
Misc :
ALS Vial : 33 Sample Multiplier: 1

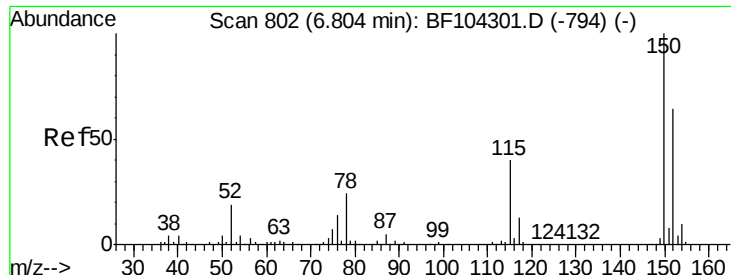
Instrument :
BNA_F
ClientSampleId :
TP-6 0.0-0.5

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#1

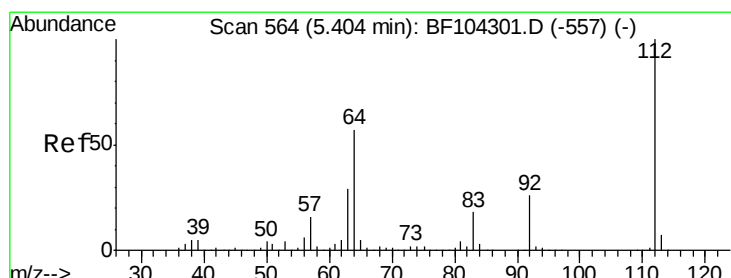
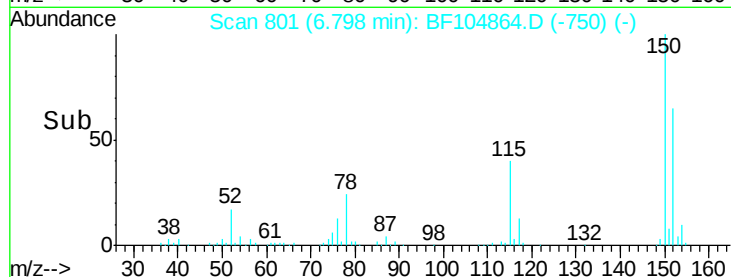
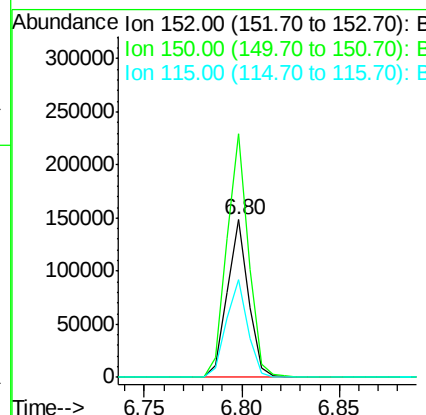
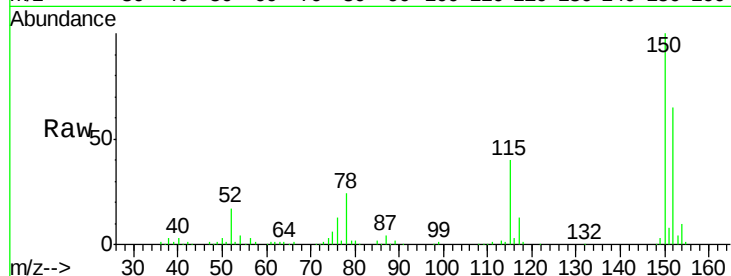
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :
TP-6 0.0-0.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	62.2	50.1	75.1

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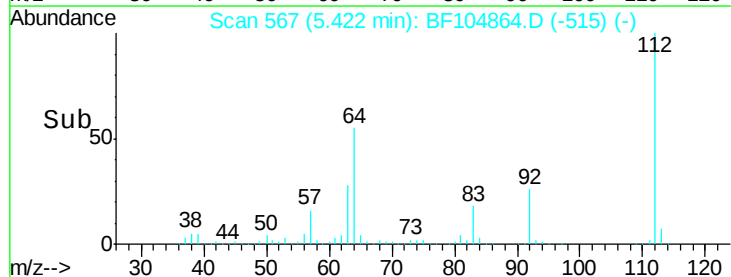
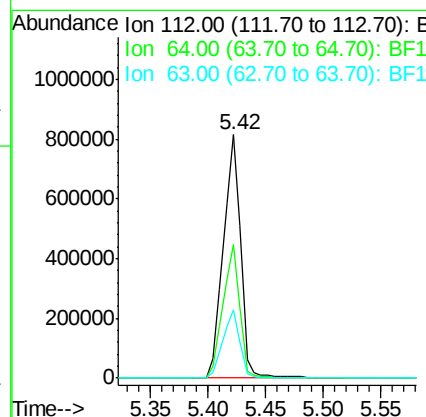
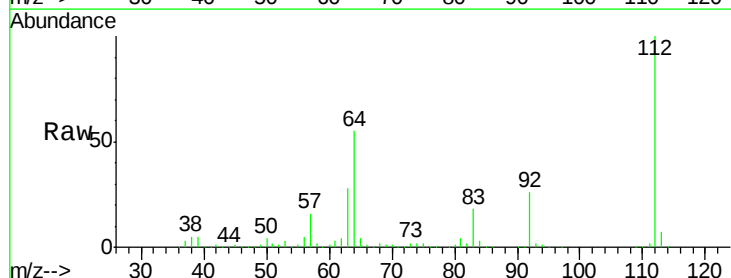
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#5

2-Fluorophenol
Concen: 115.943 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 112.772 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

Instrument :

BNA_F

ClientSampleId :

TP-6 0.0-0.5

Tot Ion: 99 Resp: 1015396

Ion Ratio Lower Upper

99 100

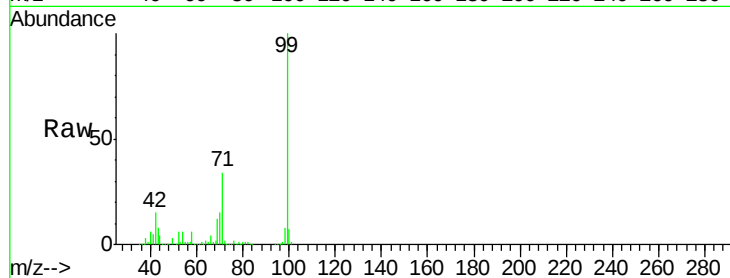
42 15.5 14.5 21.7

71 34.1 25.4 38.0

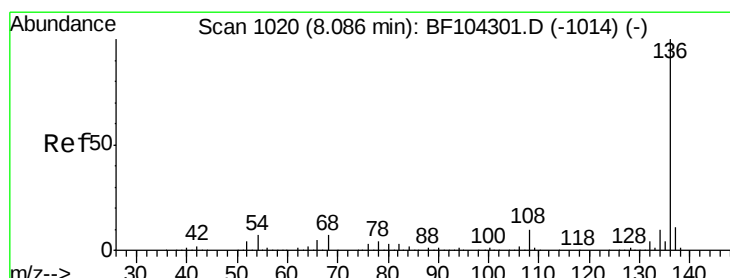
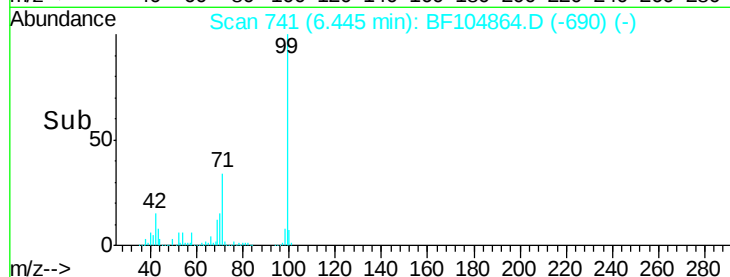
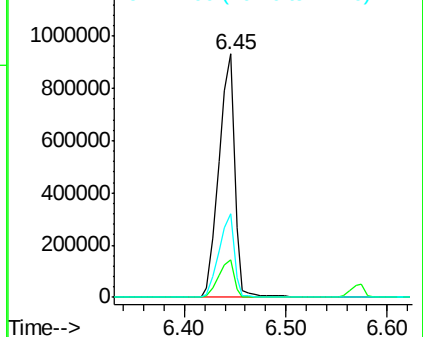
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

Tgt Ion: 136 Resp: 437210

Ion Ratio Lower Upper

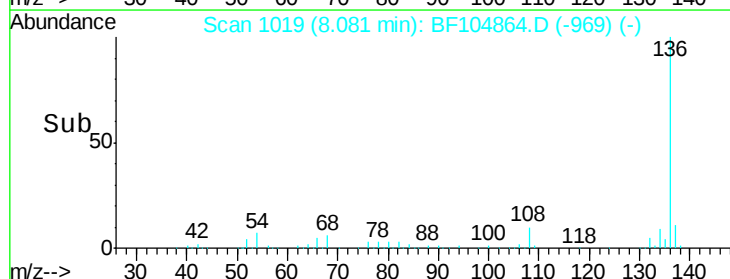
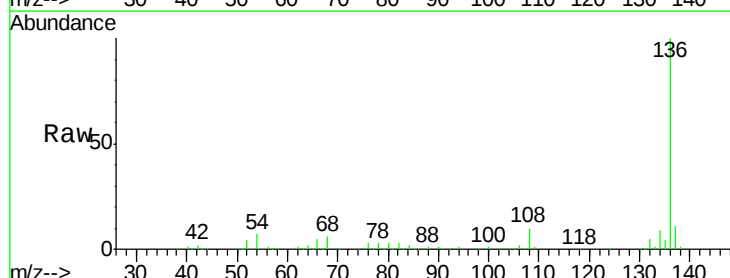
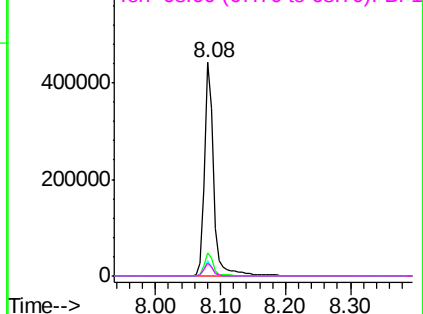
136 100

137 11.0 8.9 13.3

54 7.0 6.6 9.8

68 6.0 5.0 7.4

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





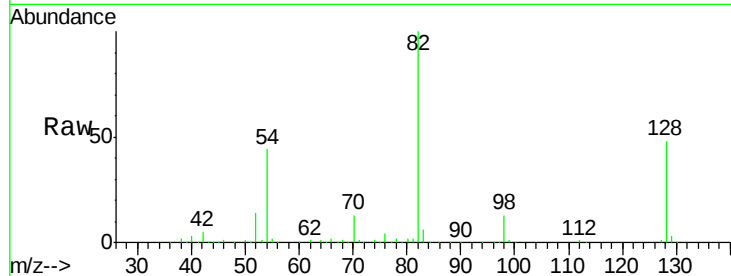
#23
 Nitrobenzene-d5
 Concen: 93.098 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-6 0.0-0.5

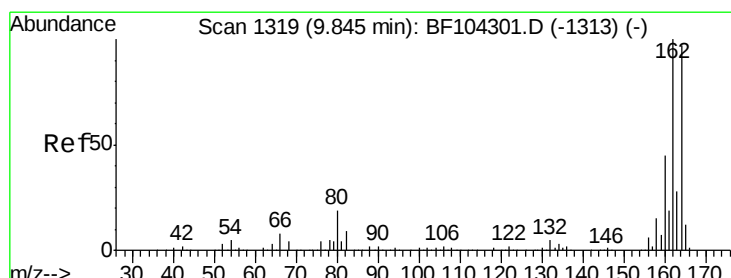
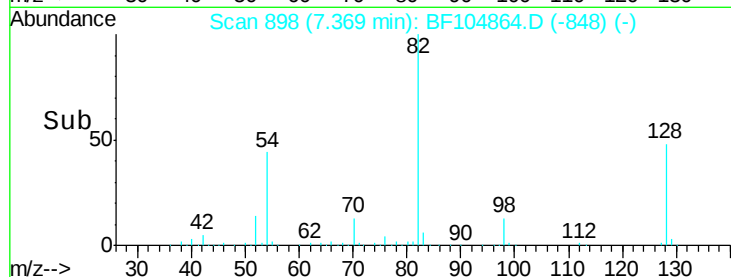
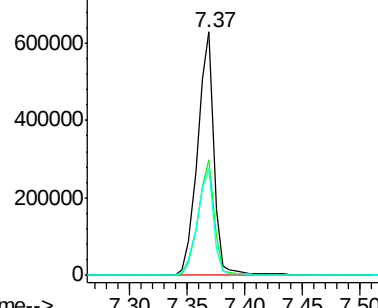
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	43.8	41.4	62.2

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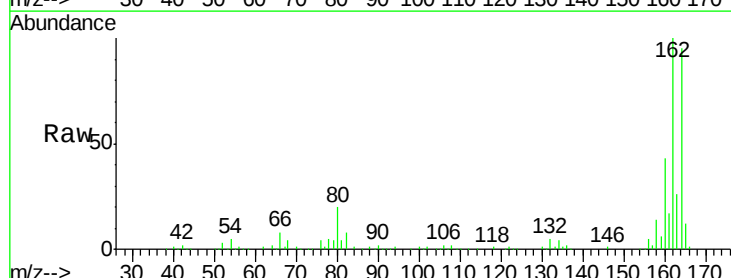


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

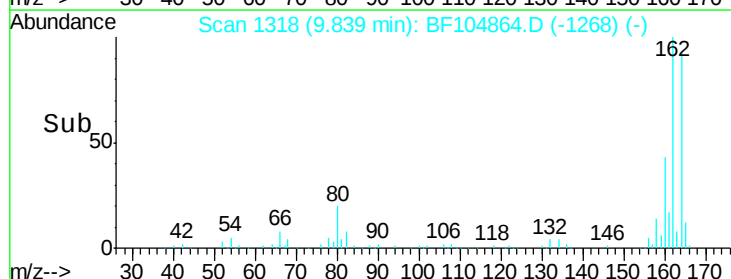
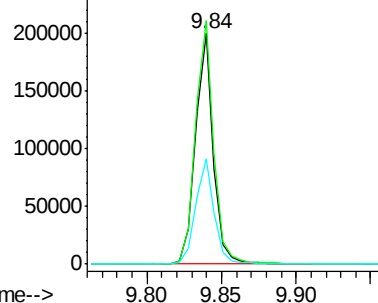


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	86.1	129.1
160	45.6	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





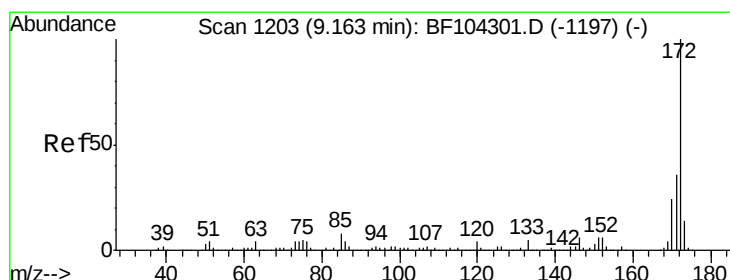
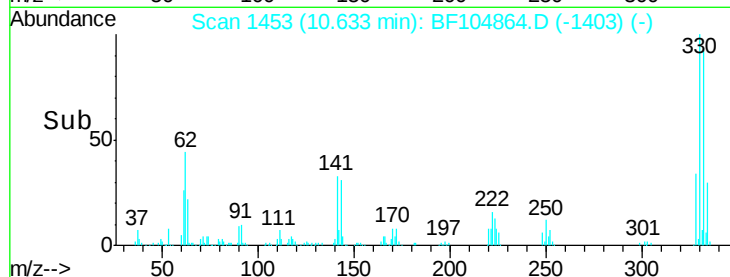
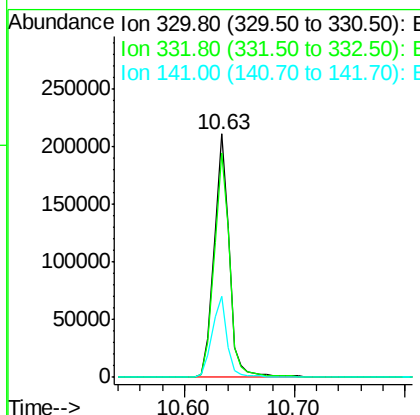
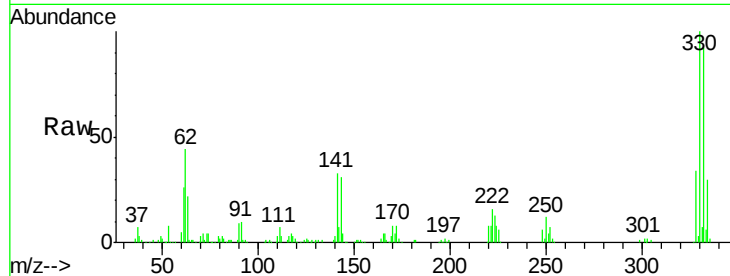
#41
 2,4,6-Tribromophenol
 Concen: 113.067 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

Instrument :
 BNA_F
 ClientSampled :
 TP-6 0.0-0.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	199036		
332	94.4	77.0	115.6	
141	32.8	29.9	44.9	

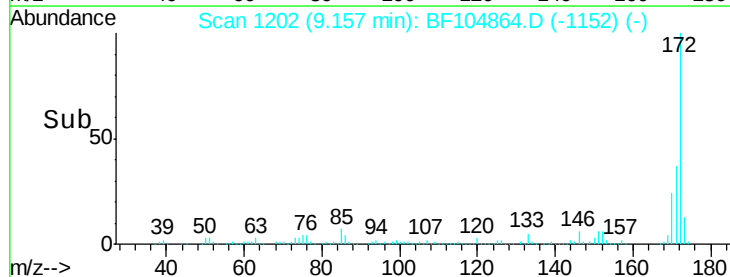
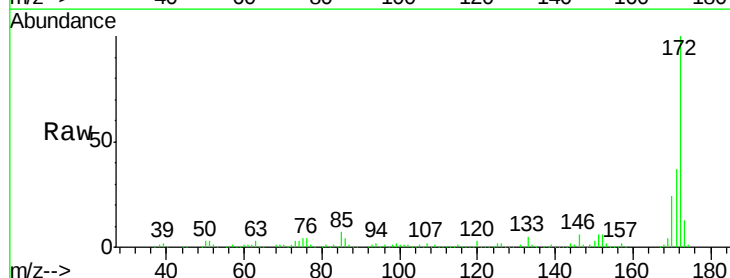
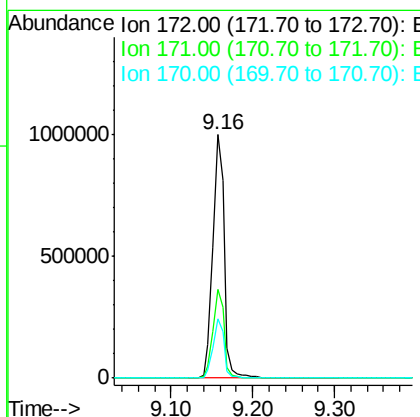
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#44
 2-Fluorobiphenyl
 Concen: 89.974 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	966516		
171	36.6	29.7	44.5	
170	24.2	19.6	29.4	





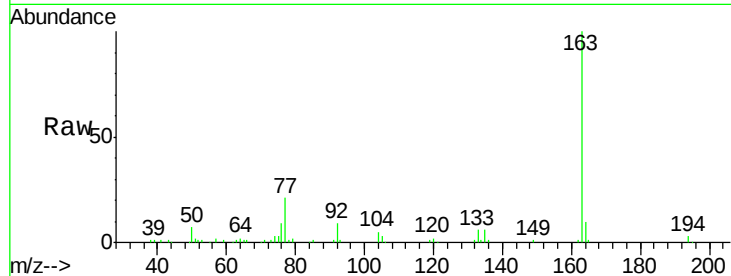
#49
Dimethylphthalate
Concen: 6.963 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :
TP-6 0.0-0.5

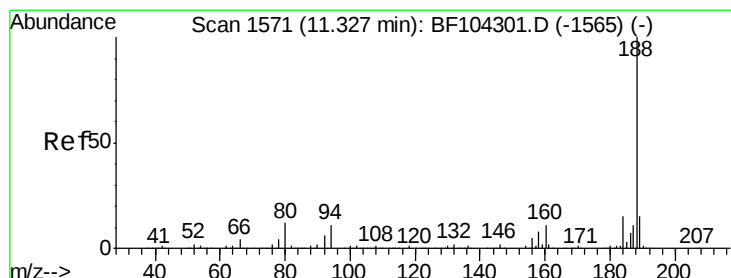
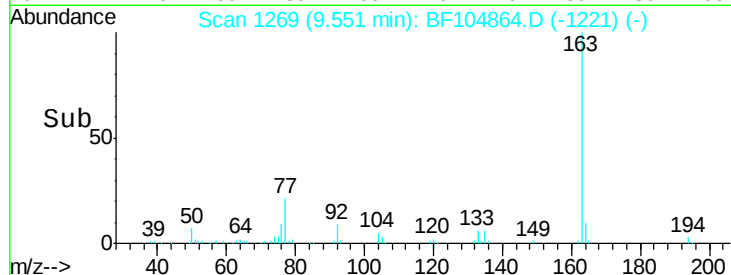
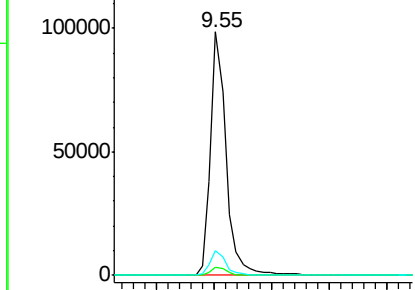
Tot Ion:	163	Resp:	93181
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.7	4.1
164	10.4	8.2	12.2

Manual Integrations
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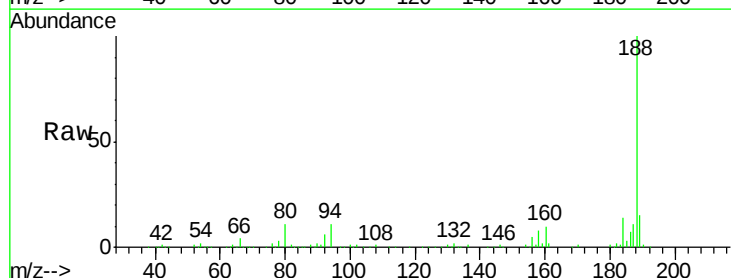


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

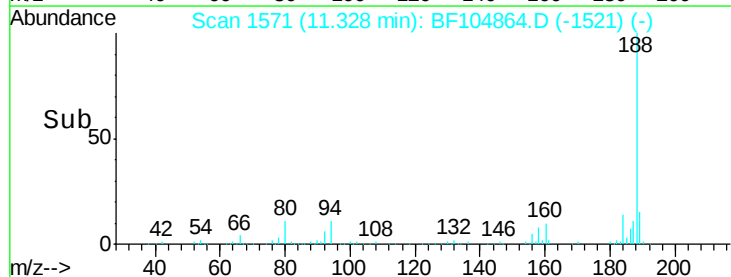
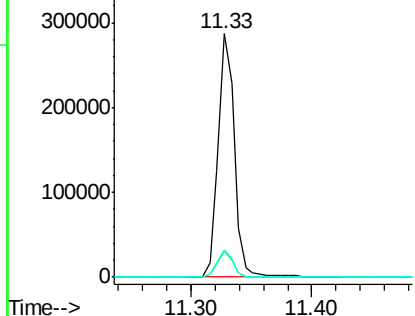


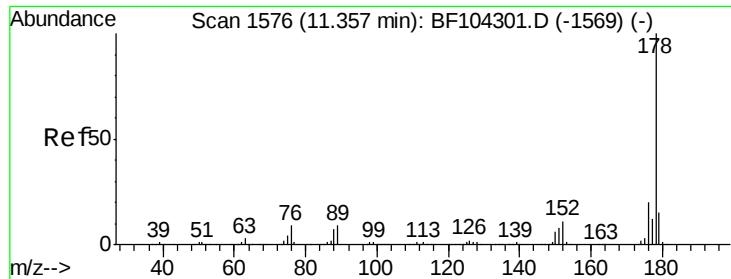
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion:	188	Resp:	264284
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.5	12.7
80	11.2	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





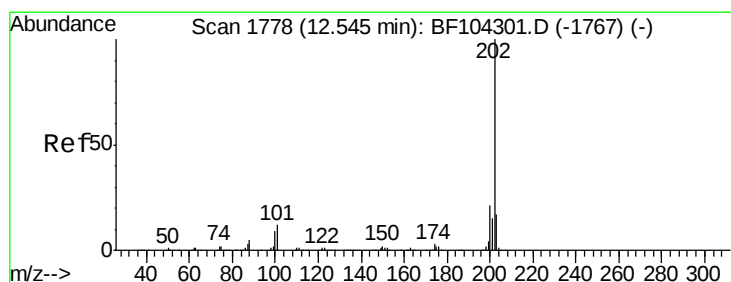
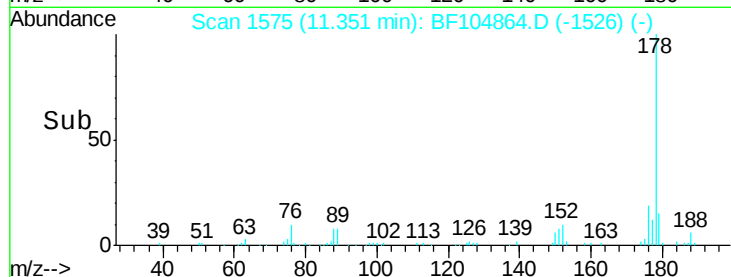
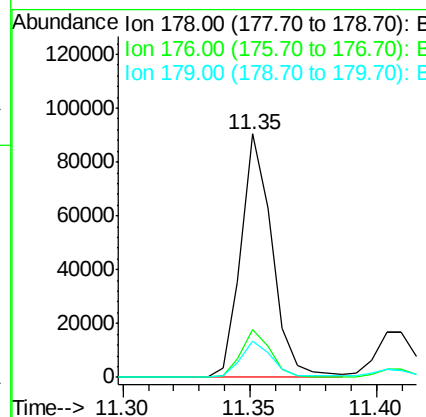
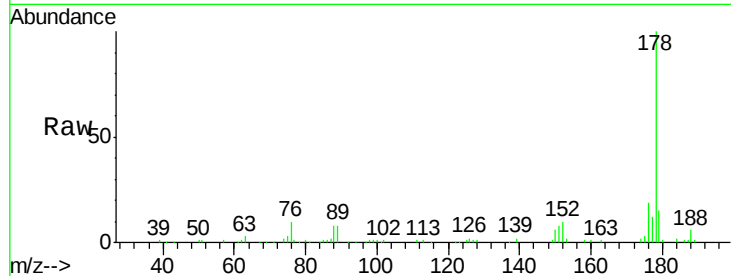
#70
Phenanthrene
Concen: 5.258 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :
TP-6 0.0-0.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	14.7	13.0	19.6

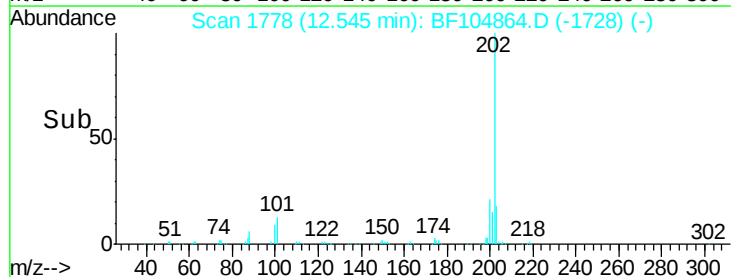
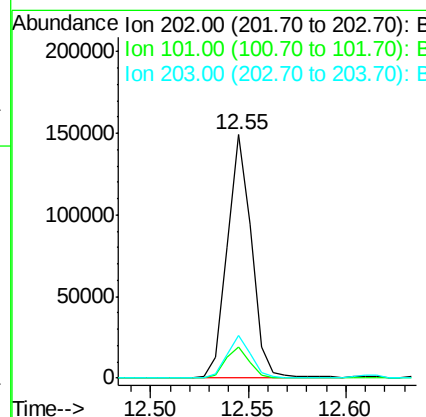
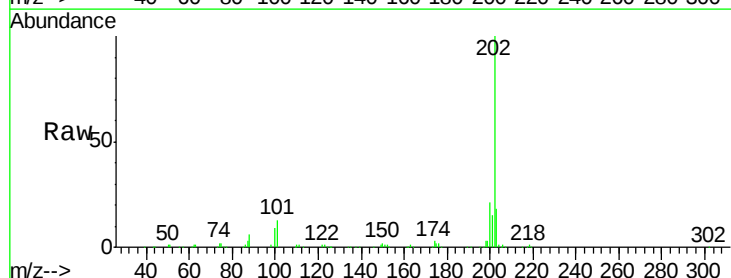
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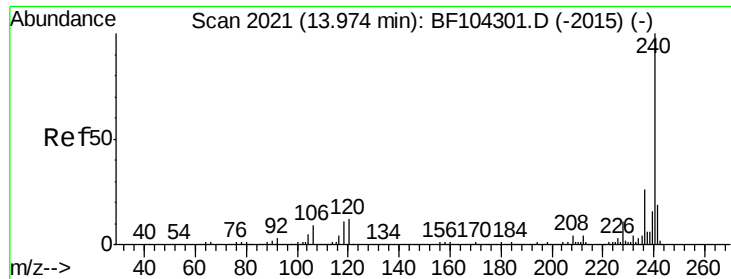
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#74
Fluoranthene
Concen: 8.412 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104864.D

Acq: 27 Apr 2018 6:04

Instrument :

BNA_F

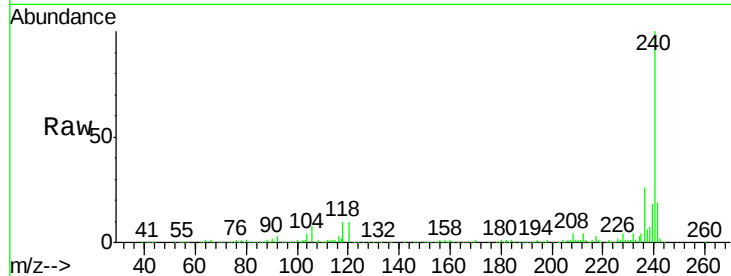
ClientSampleId :

TP-6 0.0-0.5

Tot Ion:	240	Resp:	240180
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.5	14.3
236	26.1	20.7	31.1

Manual Integrations
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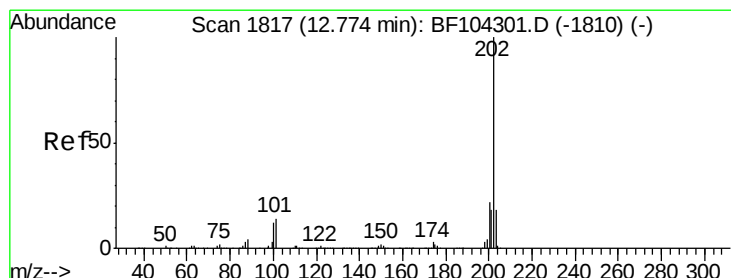
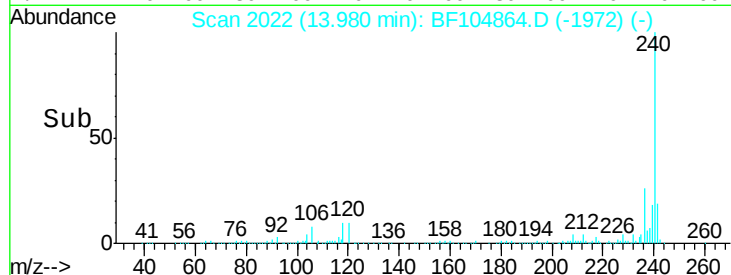
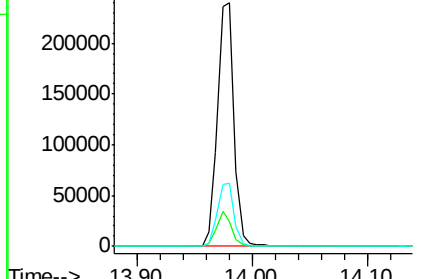
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.538 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104864.D

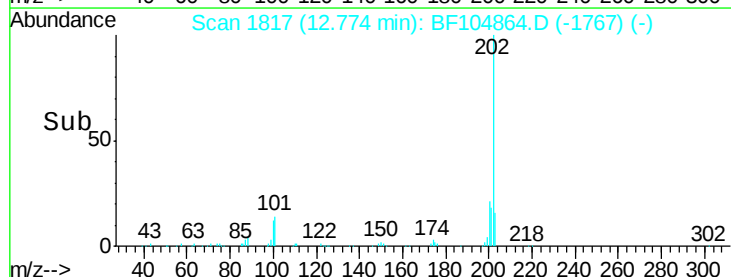
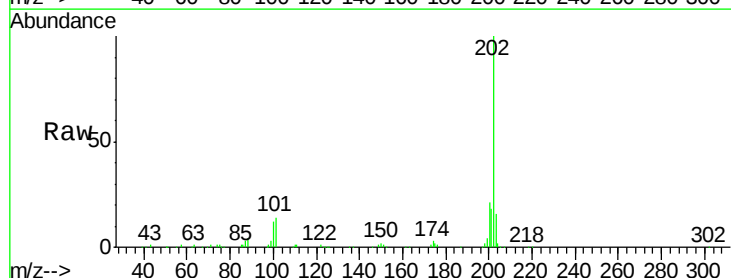
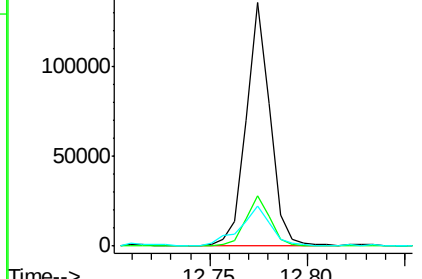
Acq: 27 Apr 2018 6:04

Tgt Ion:	202	Resp:	116390
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	16.2	14.3	21.5

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





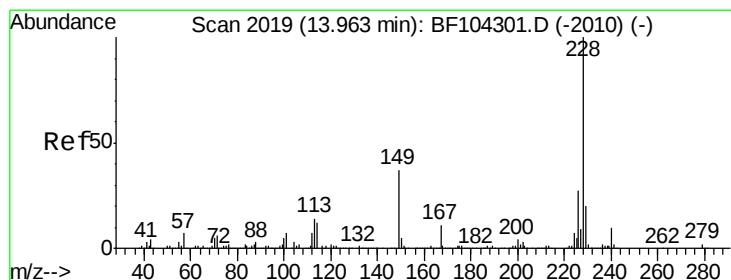
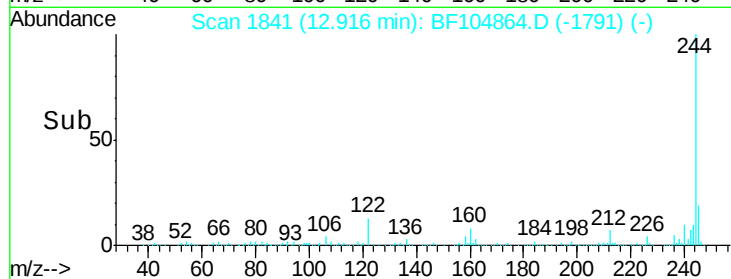
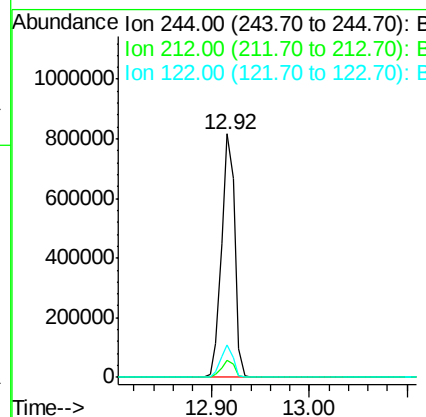
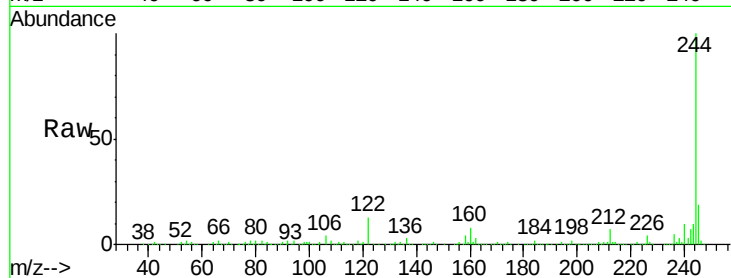
#78
 Terphenyl-d14
 Concen: 72.861 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-6 0.0-0.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.1	11.0	16.4

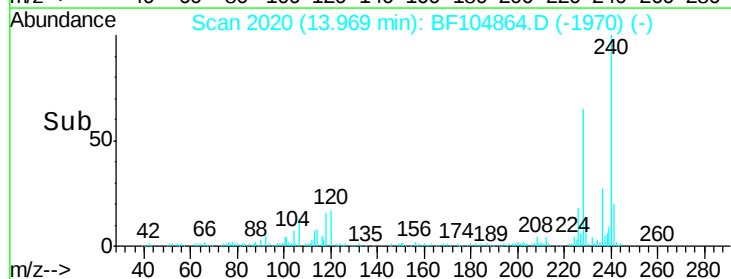
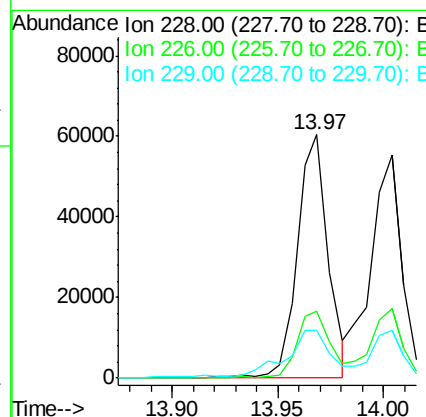
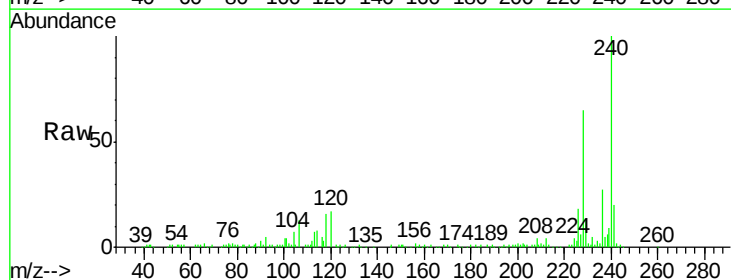
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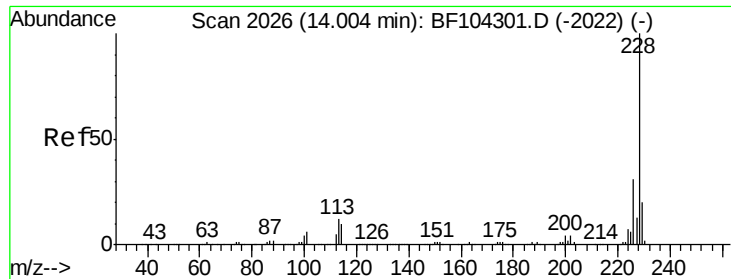
Sohil
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#80
 Benzo(a)anthracene
 Concen: 4.263 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104864.D
 Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	19.5	15.8	23.6





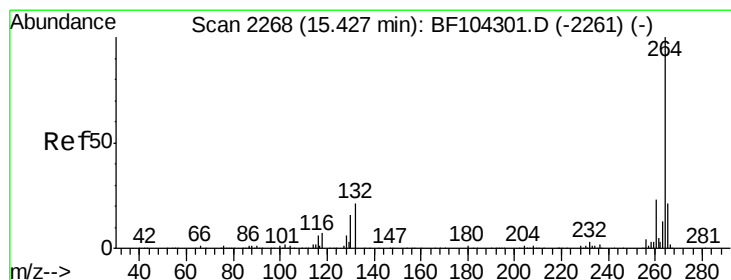
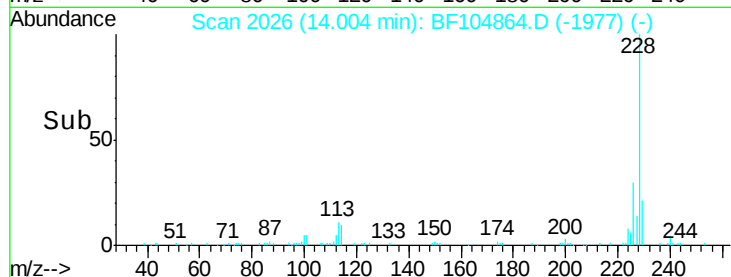
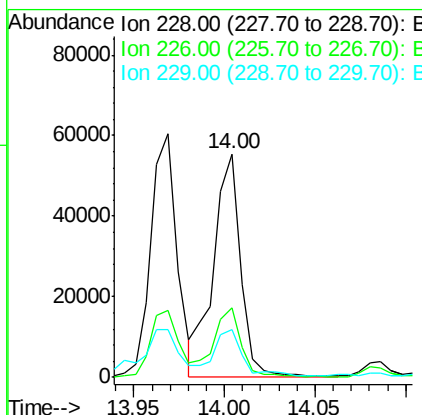
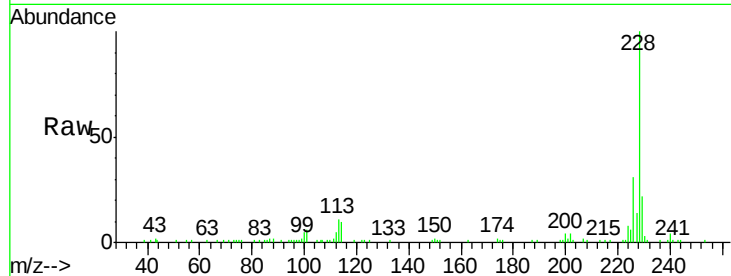
#82
Chrysene
Concen: 3.985 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :
TP-6 0.0-0.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	21.6	16.2	24.4

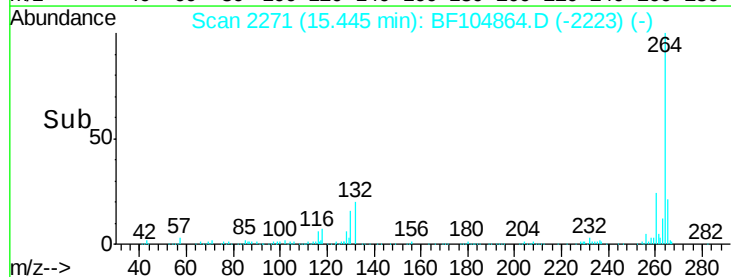
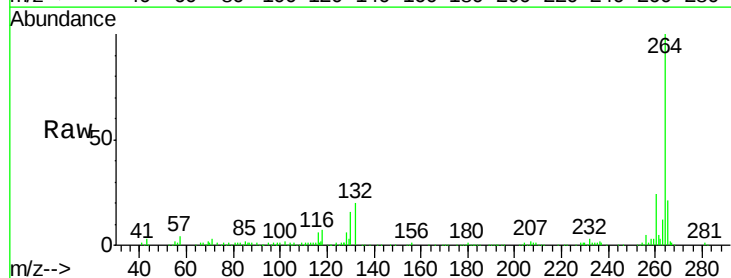
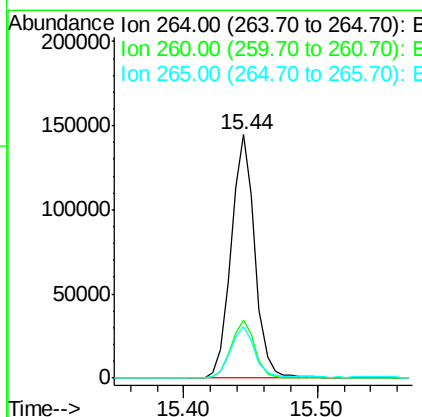
Manual Integrations
APPROVED

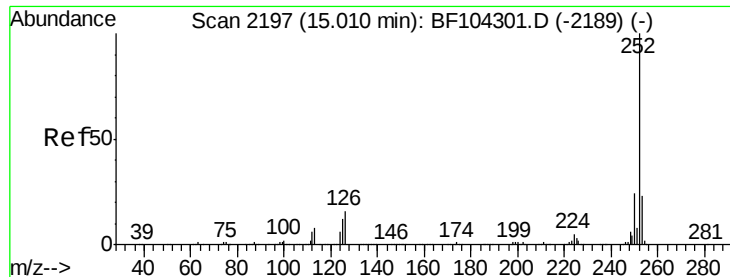
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.2	17.5	26.3





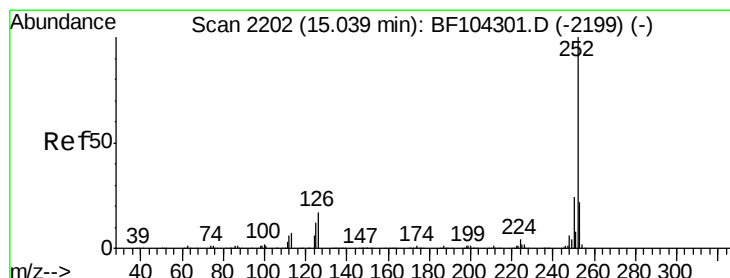
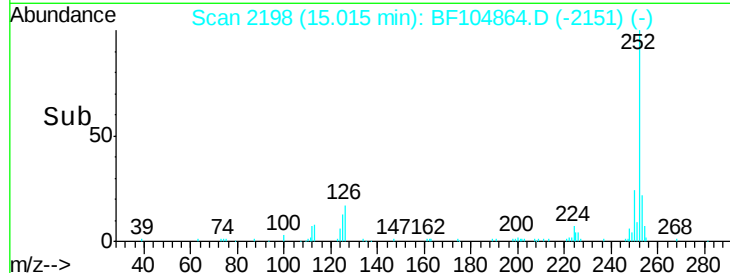
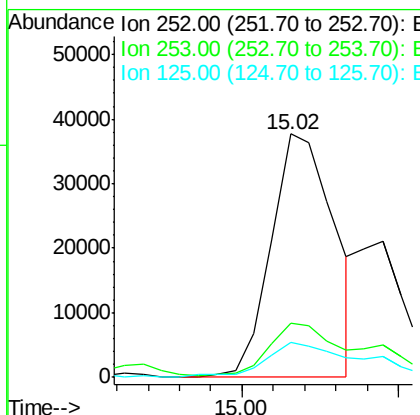
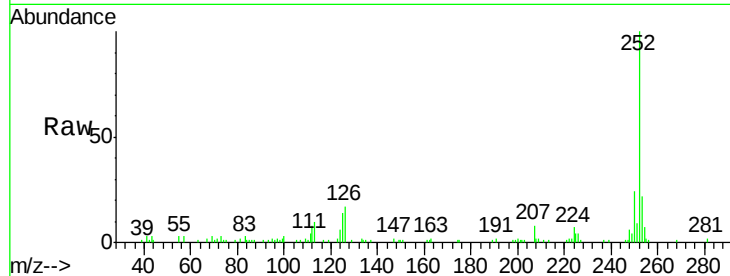
#87
Benzo(b)fluoranthene
Concen: 4.651 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :
TP-6 0.0-0.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	14.4	9.0	13.6

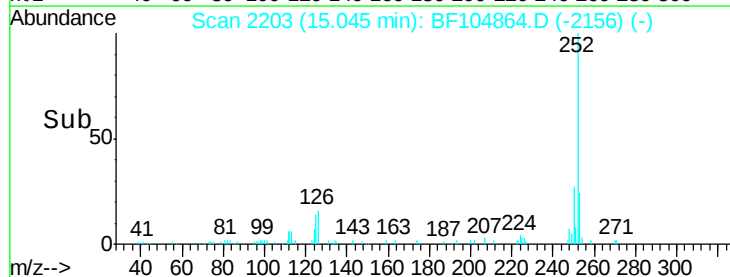
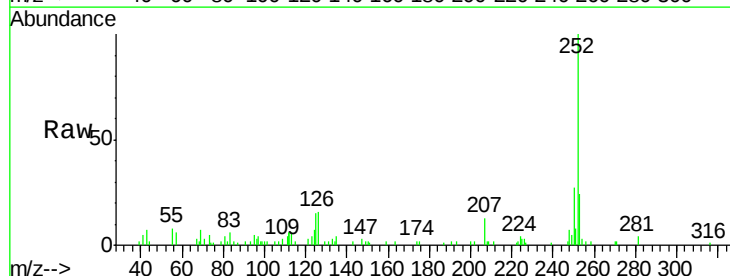
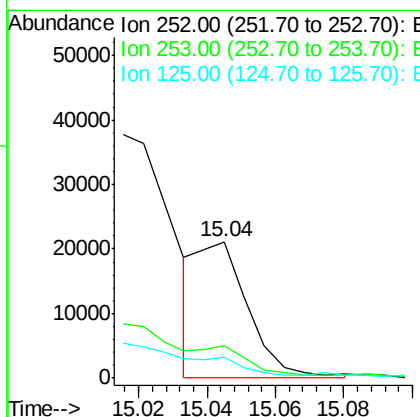
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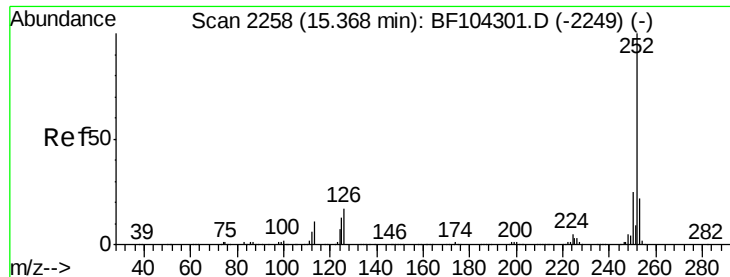
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#88
Benzo(k)fluoranthene
Concen: 2.049 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	15.4	10.2	15.2





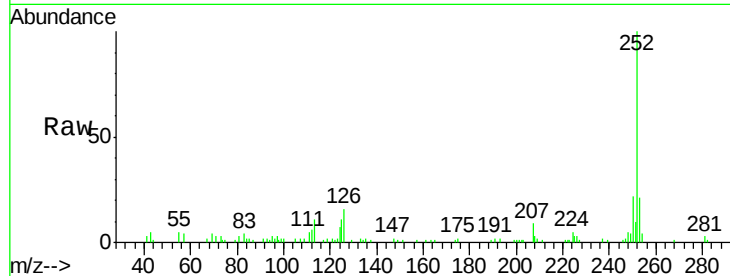
#89
Benzo(a)pyrene
Concen: 3.627 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Instrument :
BNA_F
ClientSampleId :
TP-6 0.0-0.5

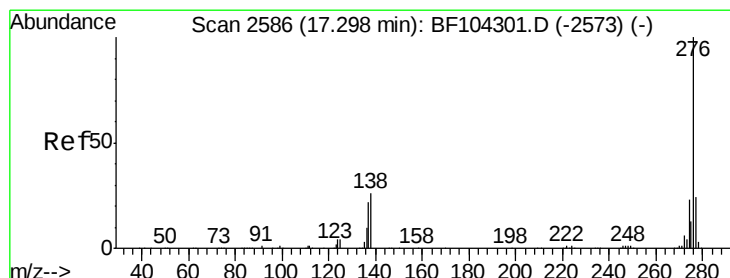
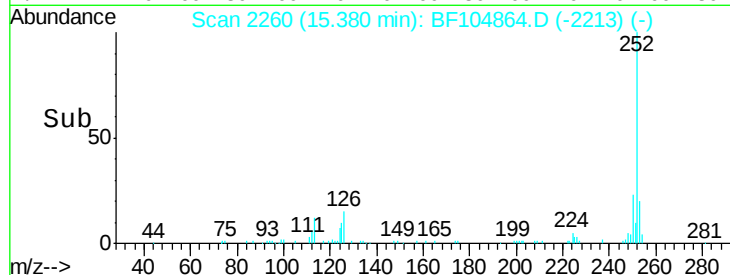
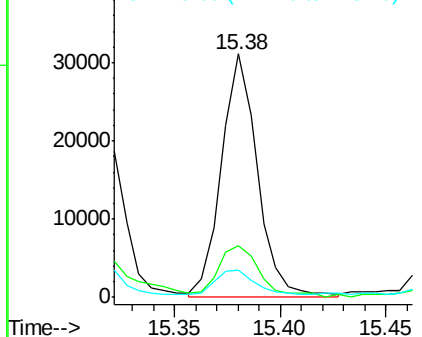
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	11.2	9.8	14.6

Manual Integrations
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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: 2.037 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104864.D
Acq: 27 Apr 2018 6:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.5	17.9	26.9#
138	29.7	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

