

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104867.D
 Acq On : 27 Apr 2018 7:24
 Operator : JU/SJ
 Sample : J2520-13 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6 4.0-4.5

Manual Integrations
 APPROVED

Sohil
 4/27/2018 7:00:22 PM

Quant Time: Apr 27 13:54:33 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	101177	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	394464	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	149527	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	229378	20.00	ng	0.00
75) Chrysene-d12	13.98	240	217498	20.00	ng	0.00
86) Perylene-d12	15.44	264	158103	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	190521	28.79	ng	0.00
7) Phenol-d6	6.43	99	227692	28.01	ng	-0.01
23) Nitrobenzene-d5	7.36	82	125627	20.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	36655	23.63	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	210693	22.26	ng	0.00
78) Terphenyl-d14	12.91	244	162778	17.06	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.35	178	185179	14.497	ng	98
71) Anthracene	11.40	178	44980	3.464	ng	98
74) Fluoranthene	12.54	202	253634	19.004	ng	97
77) Pyrene	12.77	202	231984	14.390	ng	99
80) Benzo(a)anthracene	13.97	228	117146	9.016	ng	99
82) Chrysene	14.00	228	97486	7.304	ng	96
85) Indeno(1,2,3-cd)pyrene	16.91	276	29445	2.597	ng	92
87) Benzo(b)fluoranthene	15.02	252	94290m	9.443	ng	
88) Benzo(k)fluoranthene	15.04	252	29648m	3.145	ng	
89) Benzo(a)pyrene	15.38	252	64729	7.245	ng	# 95
91) Benzo(g,h,i)perylene	17.35	276	27774	3.907	ng	98

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

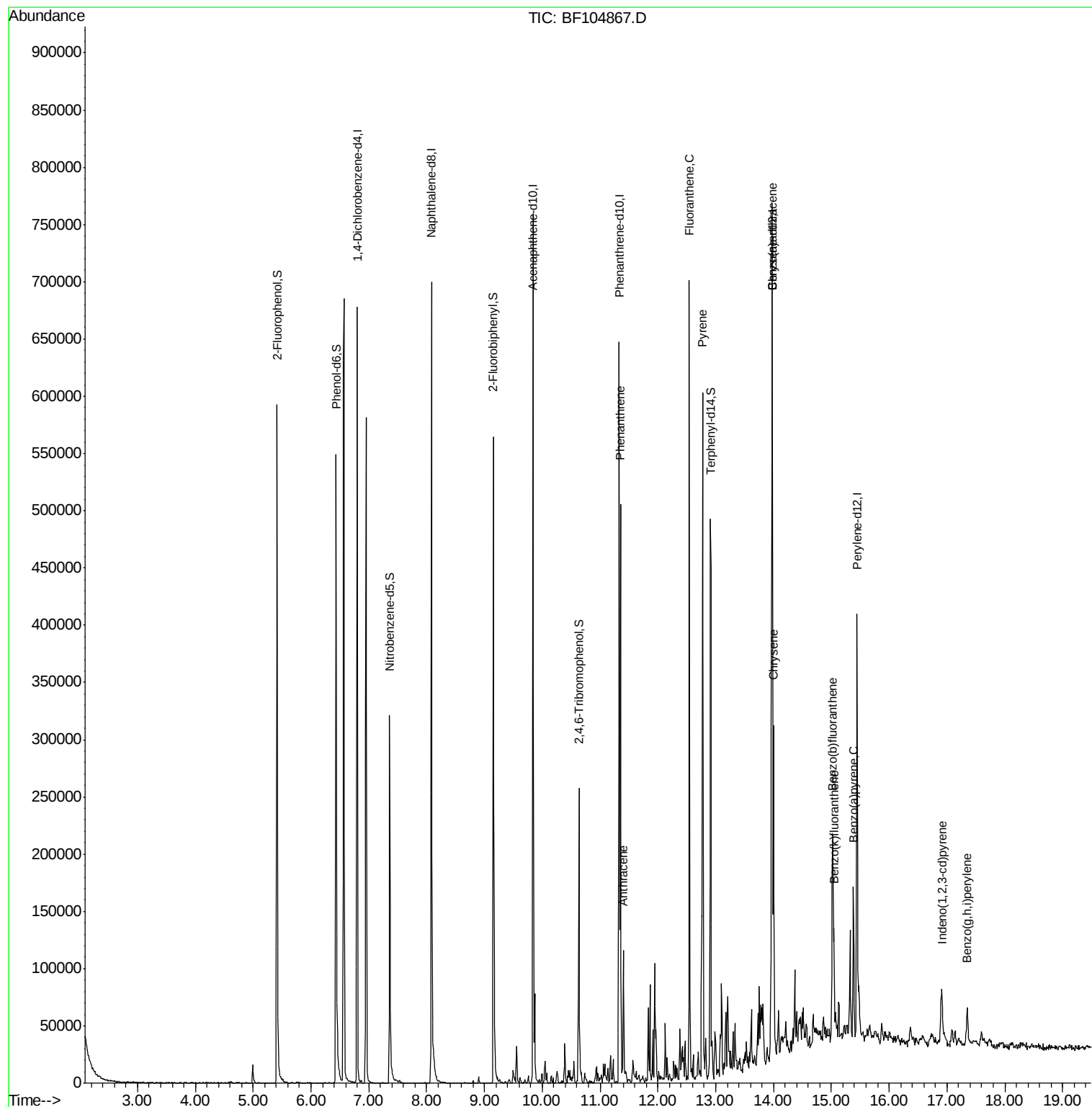
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
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Misc :
ALS Vial : 36 Sample Multiplier: 1

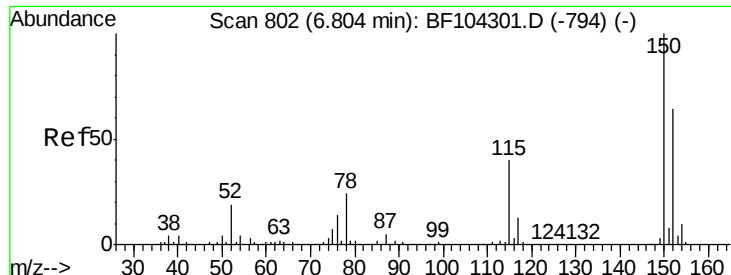
Instrument :
BNA_F
ClientSampleId :
TP-6 4.0-4.5

Manual Integrations
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#1

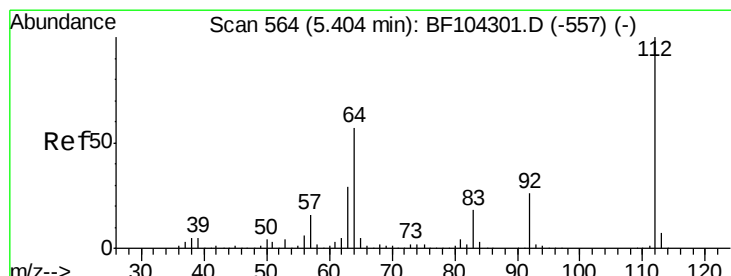
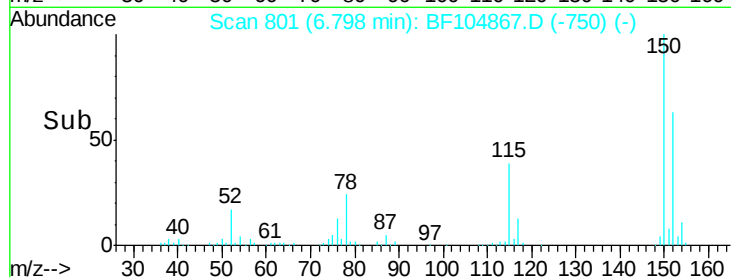
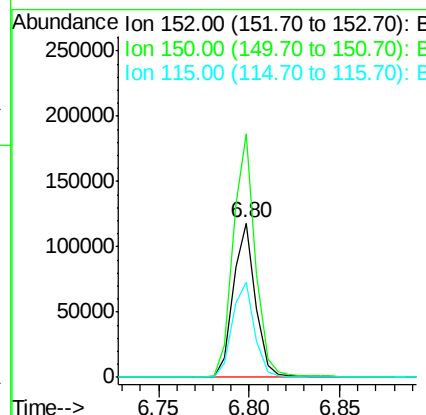
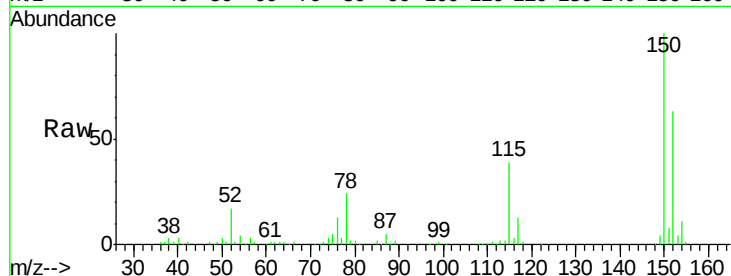
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :
TP-6 4.0-4.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	61.8	50.1	75.1

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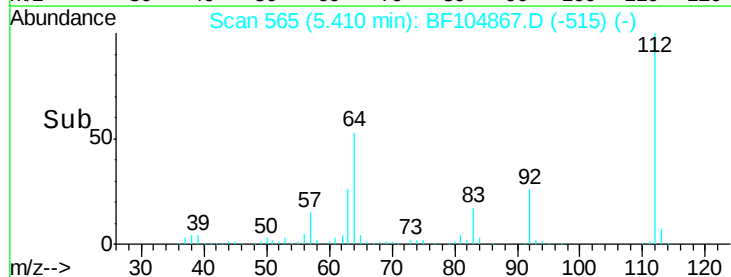
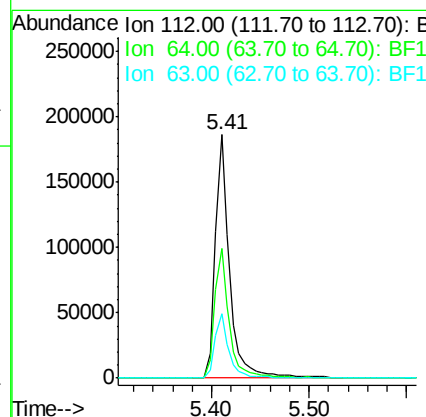
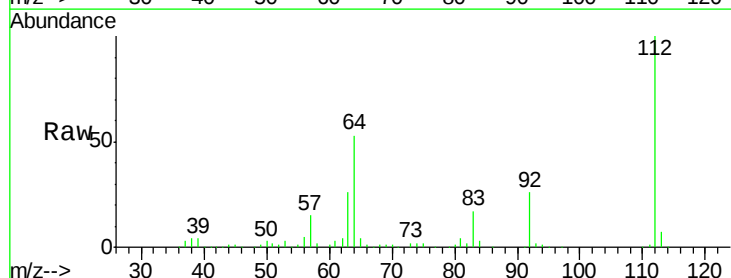
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#5

2-Fluorophenol
Concen: 28.793 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	47.9	71.9
63	26.4	23.7	35.5





#7

Phenol-d6

Concen: 28.006 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Instrument :

BNA_F

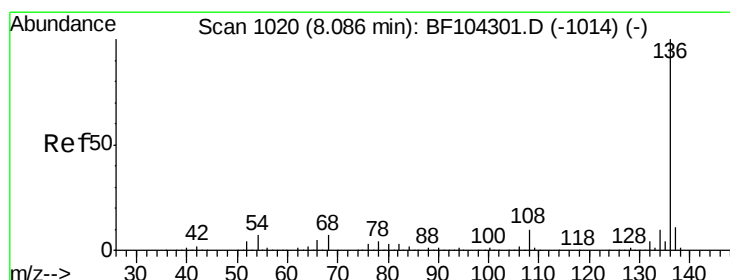
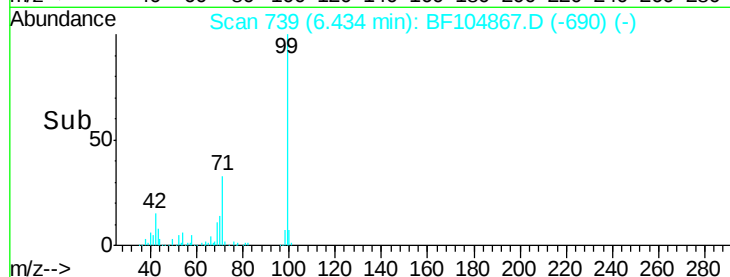
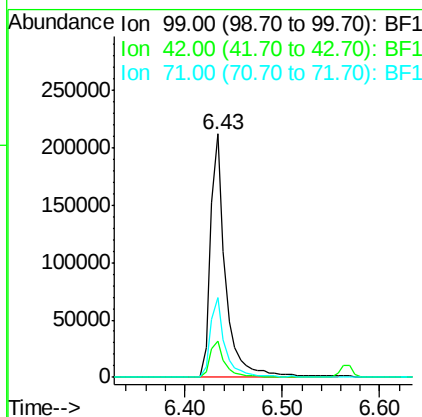
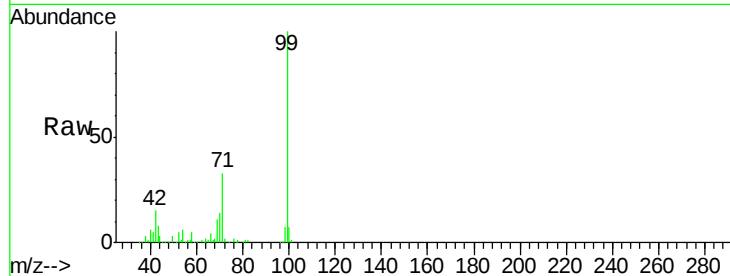
ClientSampled :

TP-6 4.0-4.5

Tot Ion:	99	Resp:	227692
Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.5	21.7
71	32.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

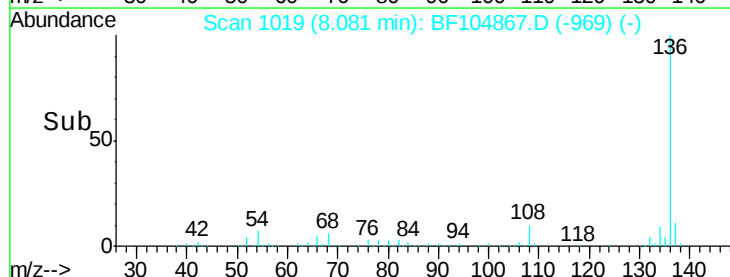
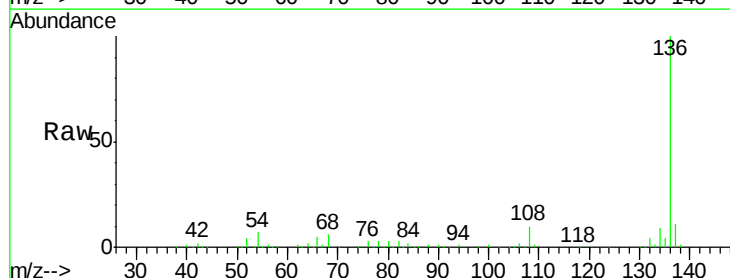
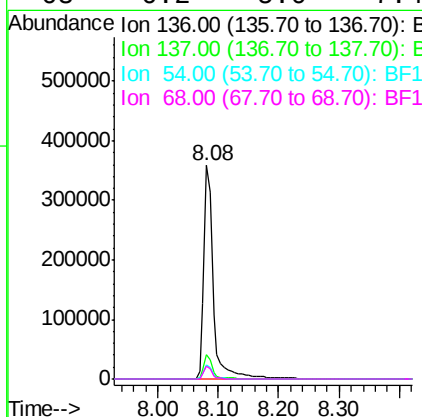
RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Tgt Ion:	136	Resp:	394464
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.8	6.6	9.8
68	6.2	5.0	7.4





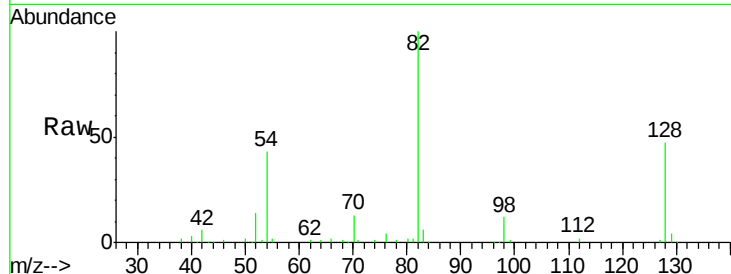
#23
Nitrobenzene-d5
Concen: 20.796 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampled :
TP-6 4.0-4.5

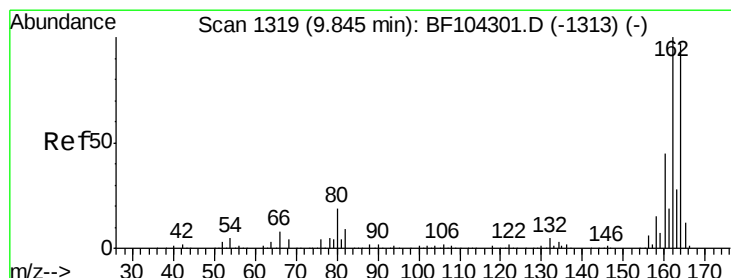
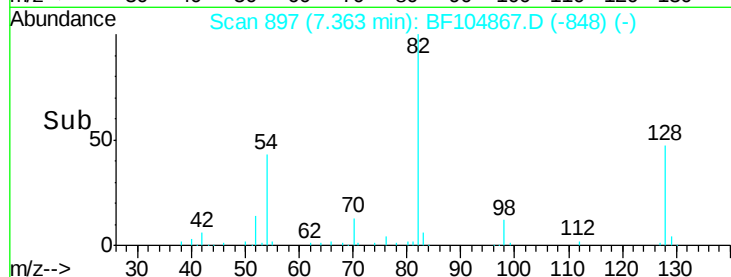
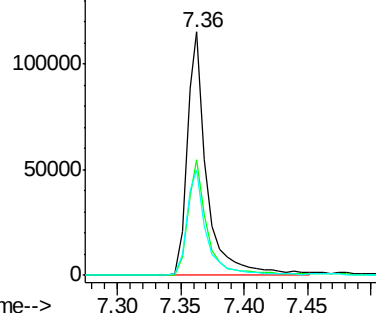
Tot Ion	Ratio	Resp	Lower	Upper
82	100	125627		
128	47.4	36.1	54.1	
54	43.1	41.4	62.2	

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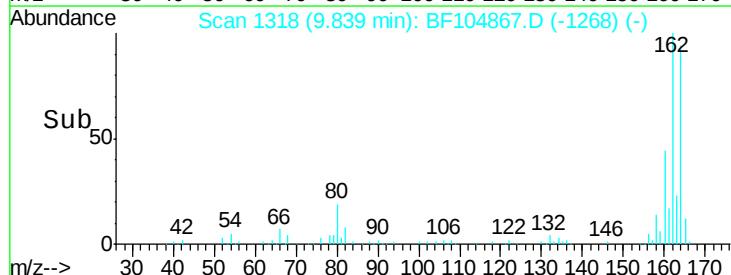
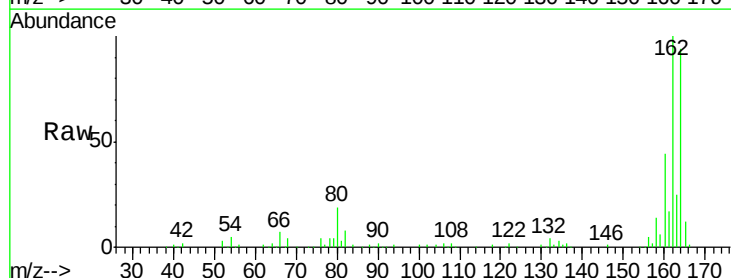
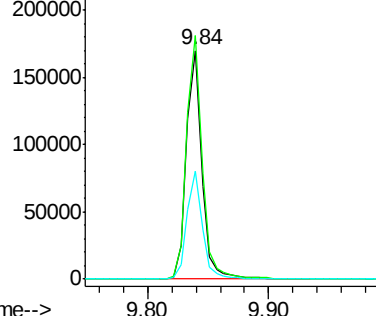
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	149527		
162	106.6	86.1	129.1	
160	47.1	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: 23.632 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Instrument :

BNA_F

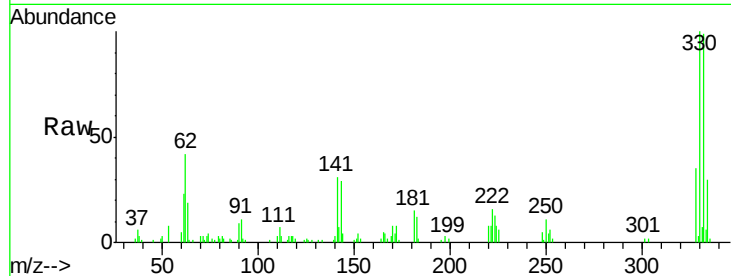
ClientSampleId :

TP-6 4.0-4.5

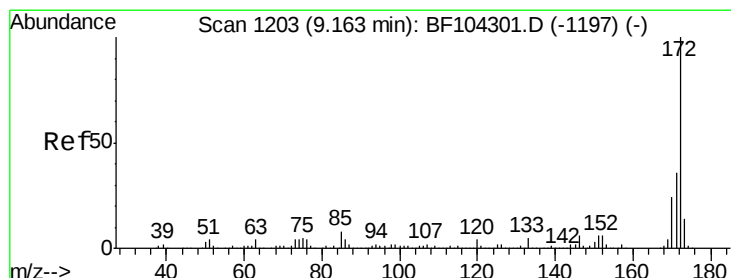
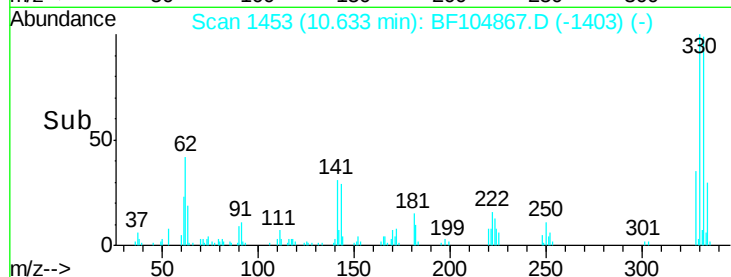
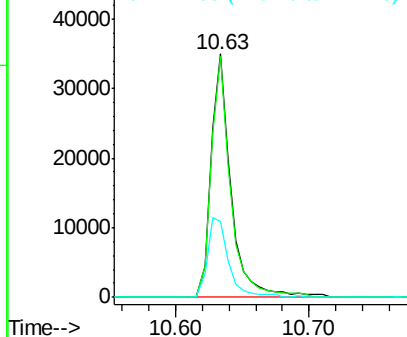
Tot Ion:	330	Resp:	36655
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.0	115.6
141	34.8	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 22.260 ng

RT: 9.16 min Scan# 1202

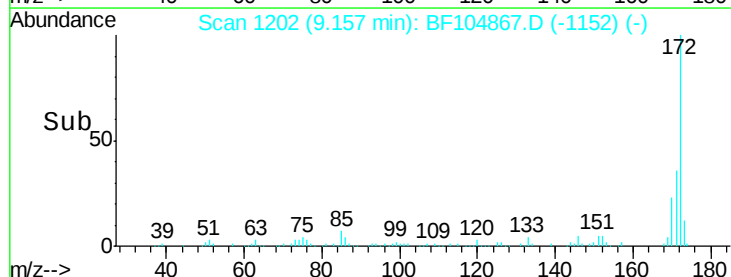
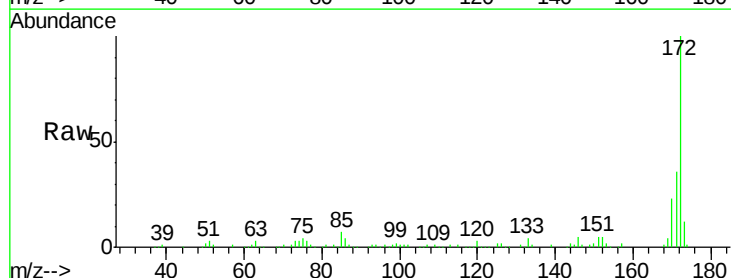
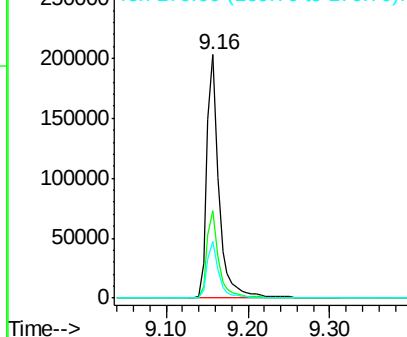
Delta R.T. -0.01 min

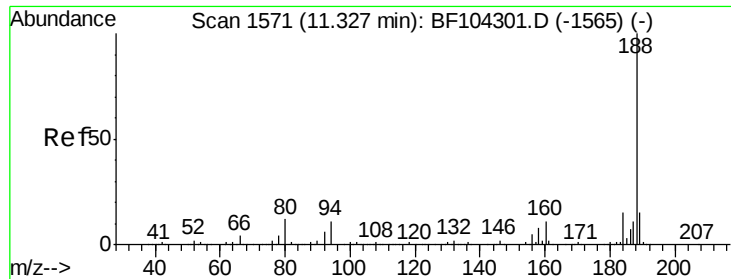
Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Tgt Ion:	172	Resp:	210693
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	23.2	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





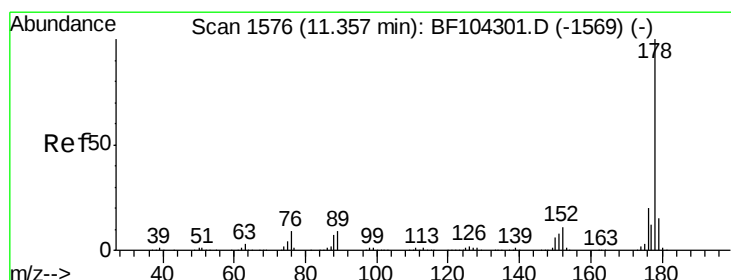
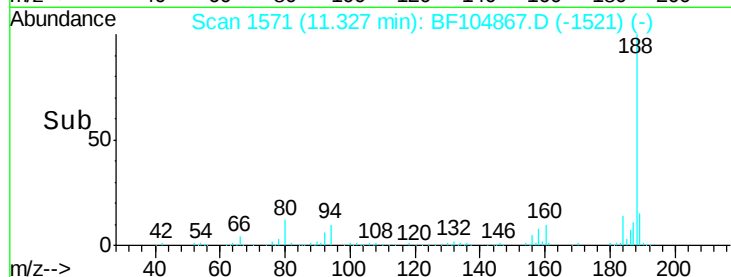
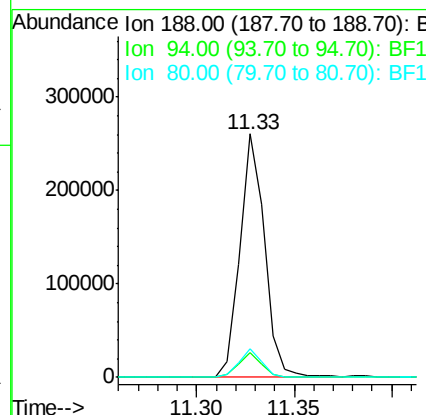
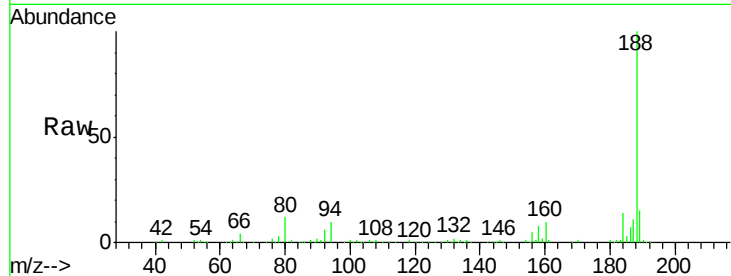
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Instrument :
BNA_F
ClientSampleId :
TP-6 4.0-4.5

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	8.5	12.7
80	11.5	9.2	13.8

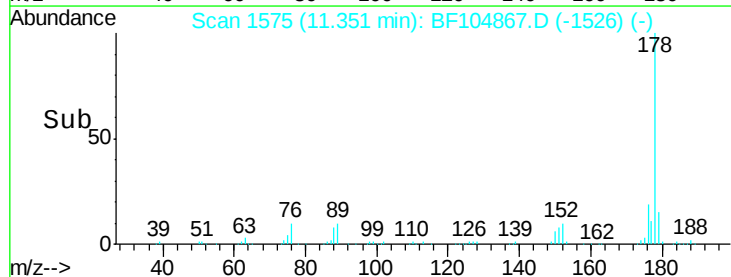
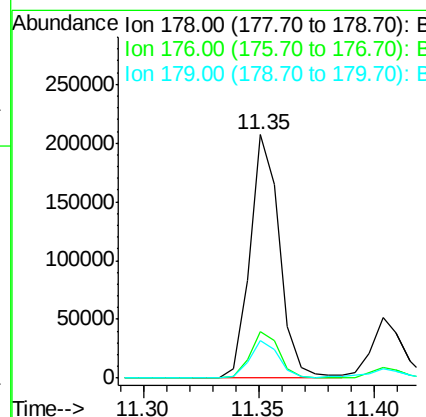
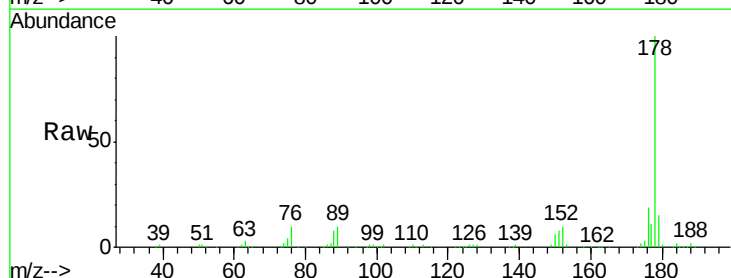
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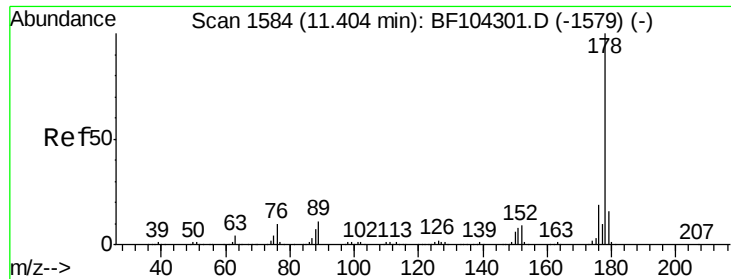
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#70
Phenanthrene
Concen: 14.497 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104867.D
Acq: 27 Apr 2018 7:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.4	13.0	19.6





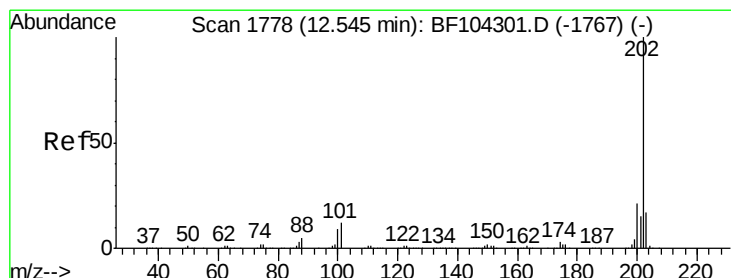
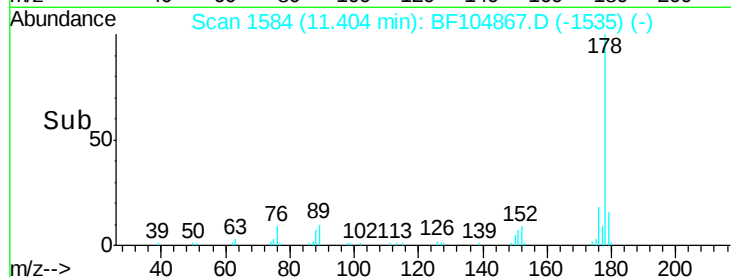
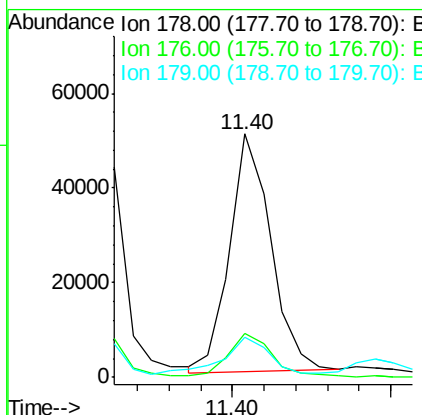
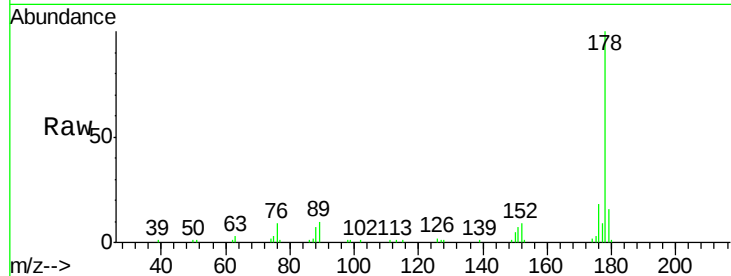
#71
 Anthracene
 Concen: 3.464 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104867.D
 Acq: 27 Apr 2018 7:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-6 4.0-4.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.5	12.6	19.0

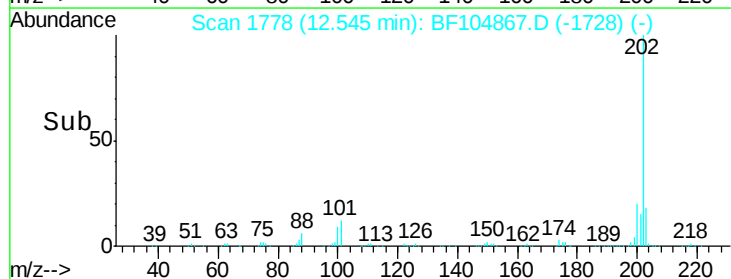
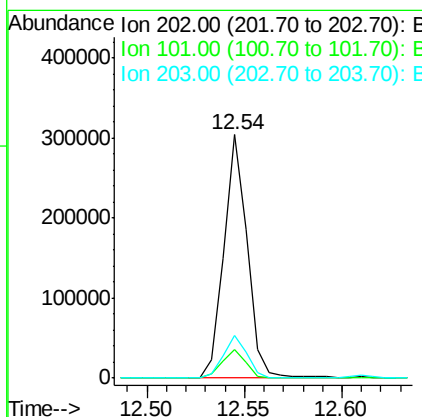
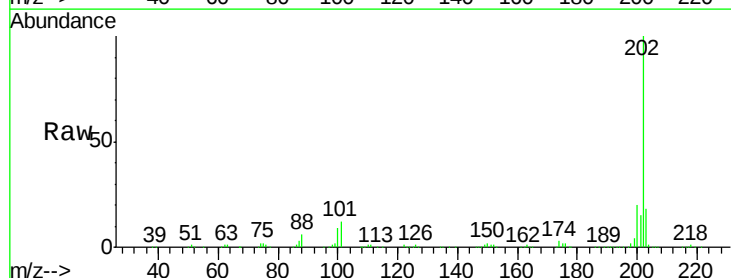
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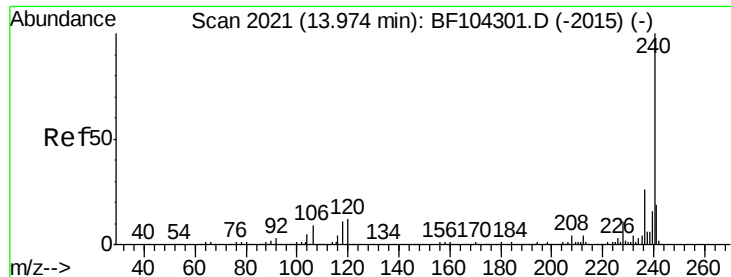
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 4/27/2018 7:00:22 PM



#74
 Fluoranthene
 Concen: 19.004 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104867.D
 Acq: 27 Apr 2018 7:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.7	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: BF104867.D

Acq: 27 Apr 2018 7:24

Instrument :

BNA_F

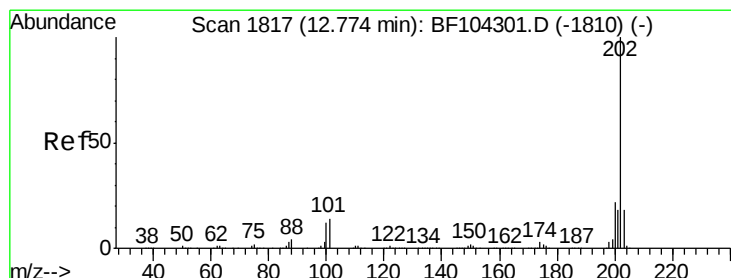
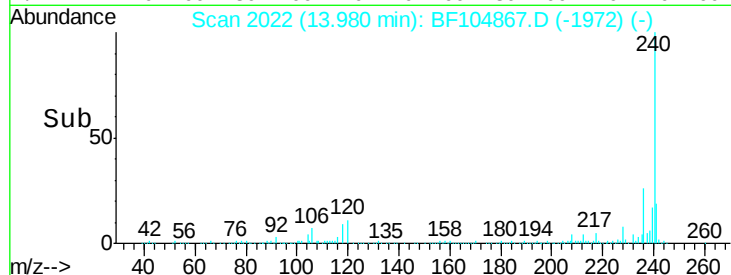
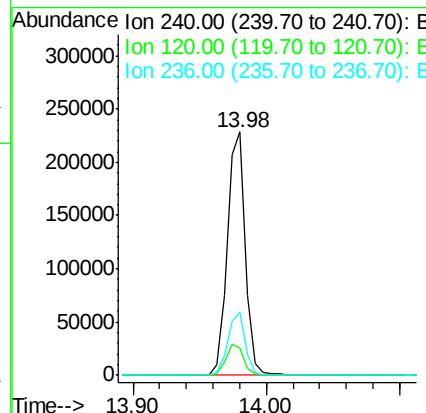
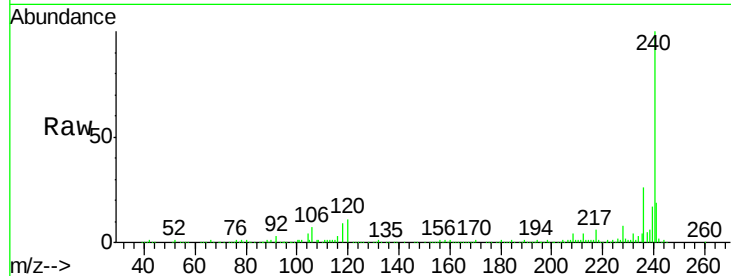
ClientSampleId :

TP-6 4.0-4.5

Tot Ion:	240	Resp:	217498
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.5	14.3
236	25.9	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 14.390 ng

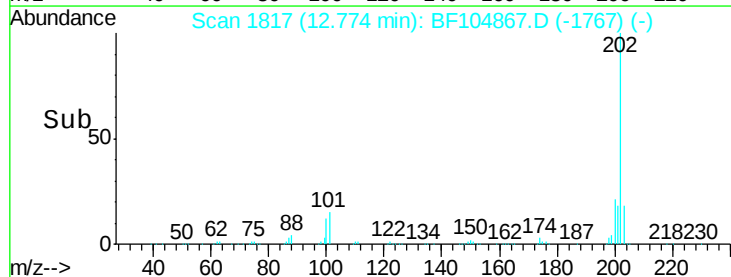
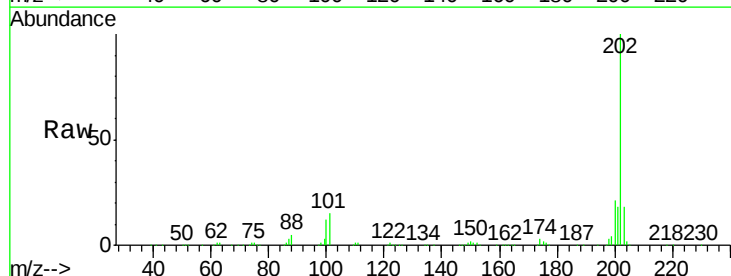
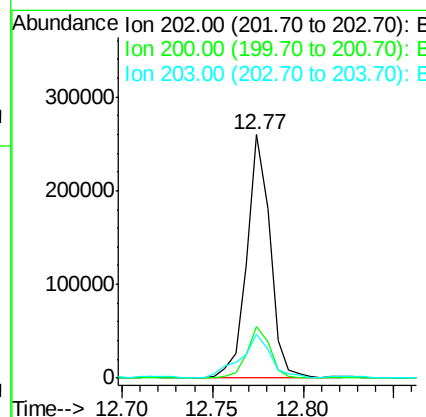
RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Tgt Ion:	202	Resp:	231984
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5





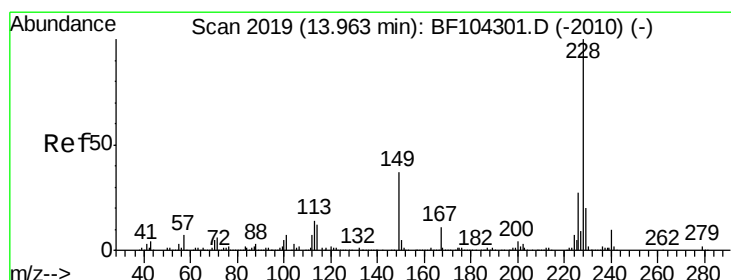
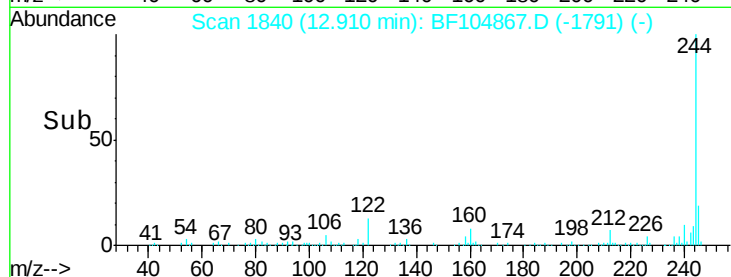
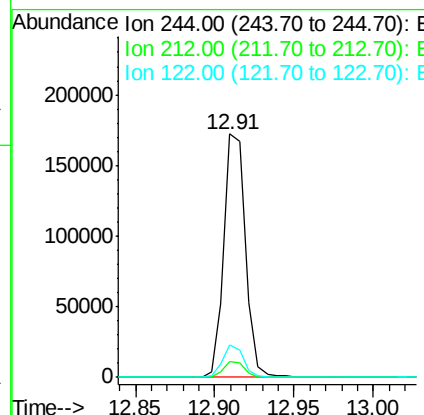
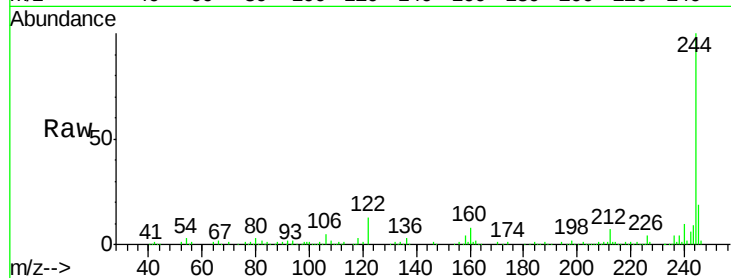
#78
 Terphenyl-d14
 Concen: 17.063 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF104867.D
 Acq: 27 Apr 2018 7:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-6 4.0-4.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.4	11.0	16.4

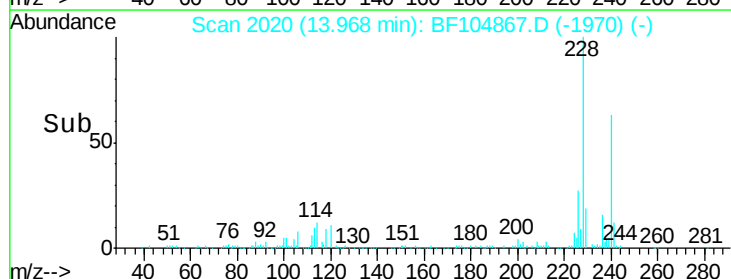
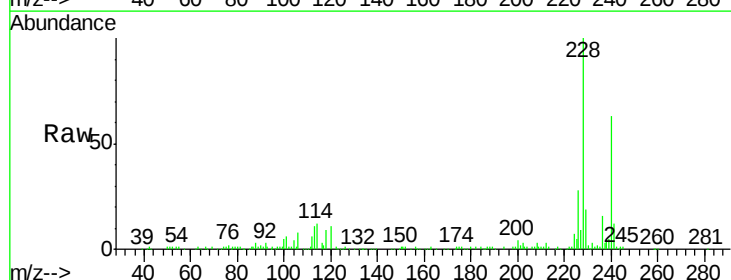
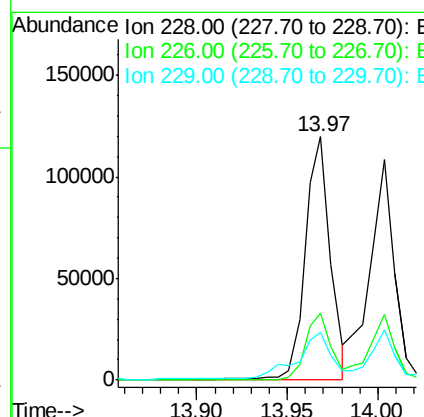
Manual Integrations
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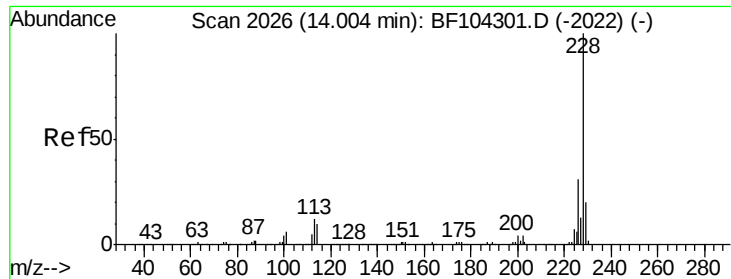
Sohil
 4/27/2018 7:00:22 PM



#80
 Benzo(a)anthracene
 Concen: 9.016 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104867.D
 Acq: 27 Apr 2018 7:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	19.5	15.8	23.6





#82

Chrysene

Concen: 7.304 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Instrument :

BNA_F

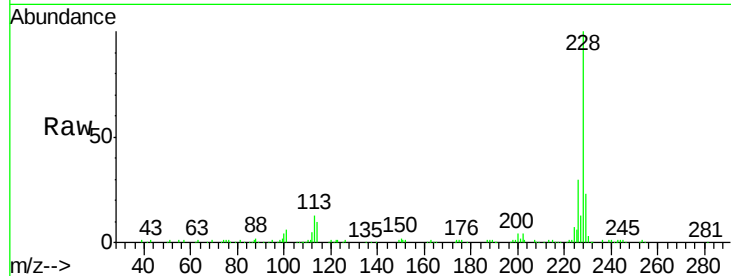
ClientSampleId :

TP-6 4.0-4.5

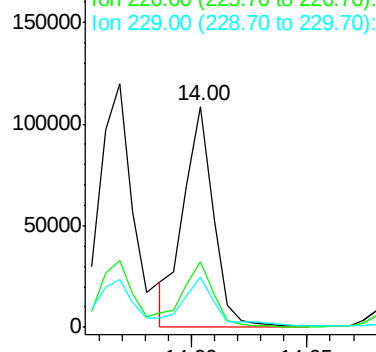
Tot Ion:	228	Resp:	97486
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.0	37.6
229	22.6	16.2	24.4

Manual Integrations
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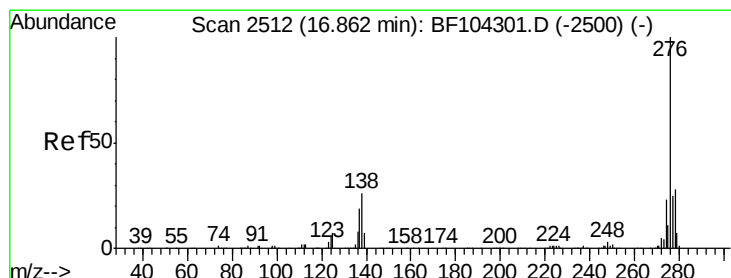
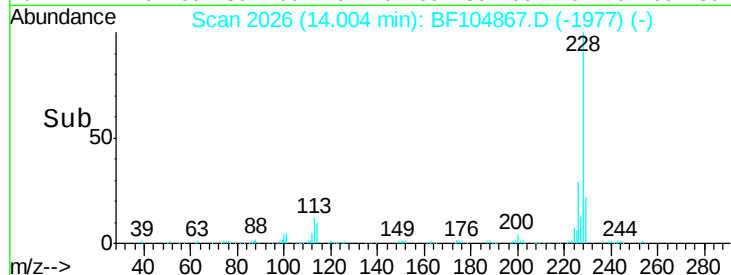
Sohil
4/27/2018 7:00:22 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.597 ng

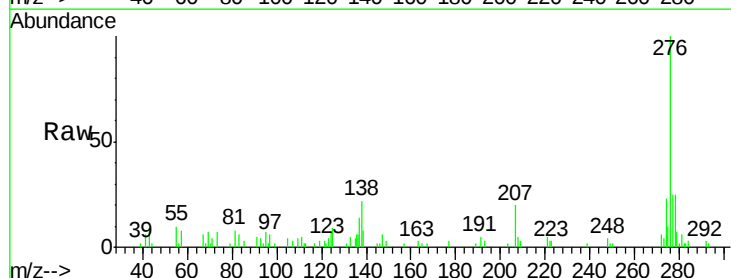
RT: 16.91 min Scan# 2520

Delta R.T. -0.02 min

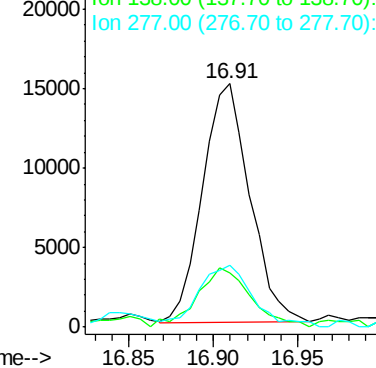
Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

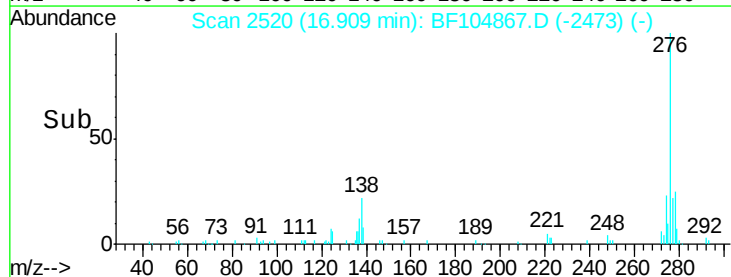
Tgt Ion:	276	Resp:	29445
Ion Ratio	Lower	Upper	
276	100		
138	27.9	25.0	37.6
277	29.7	20.1	30.1

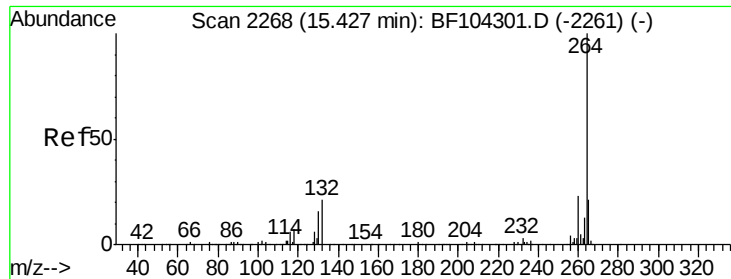


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Instrument :

BNA_F

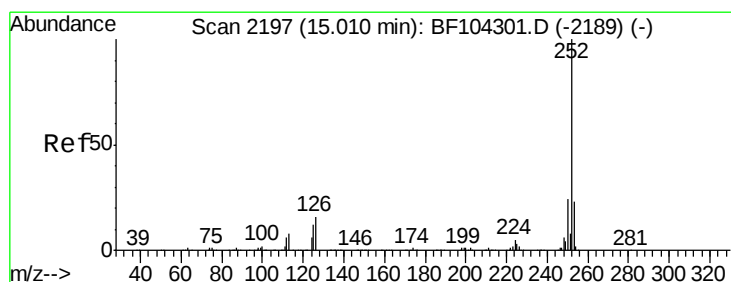
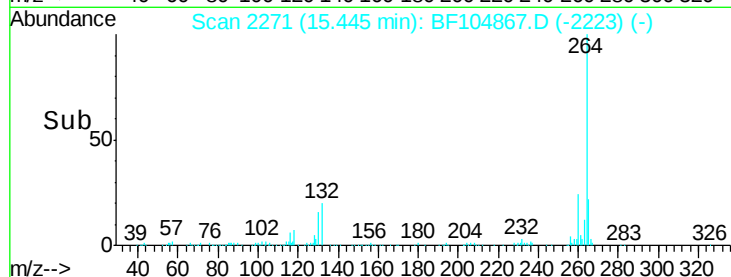
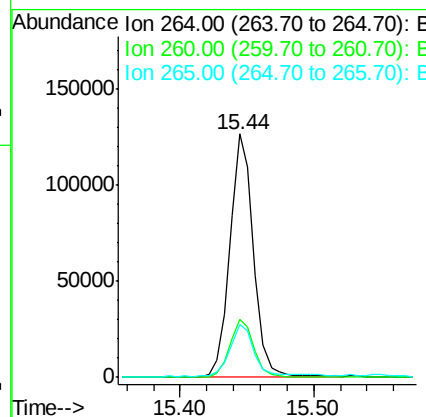
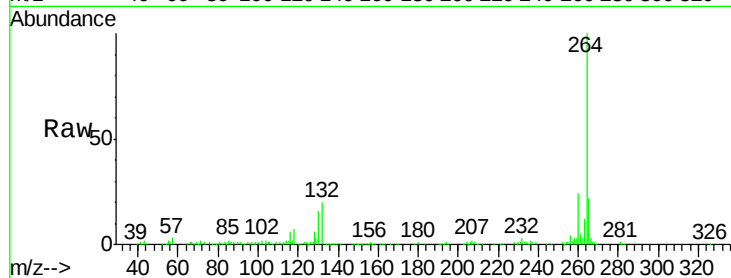
ClientSampleId :

TP-6 4.0-4.5

Tot Ion:	264	Resp:	158103
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.6	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 9.443 ng m

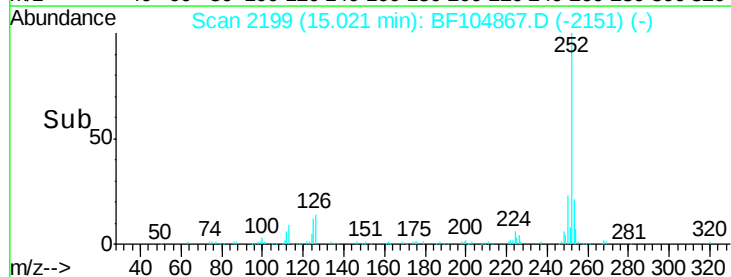
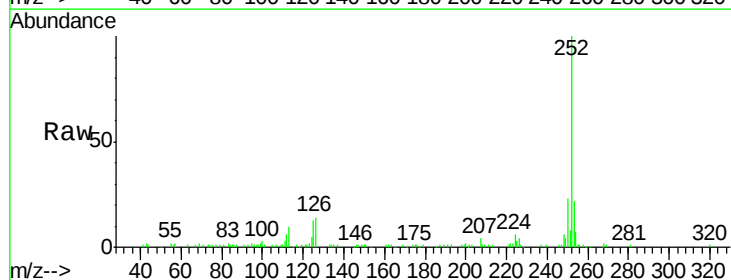
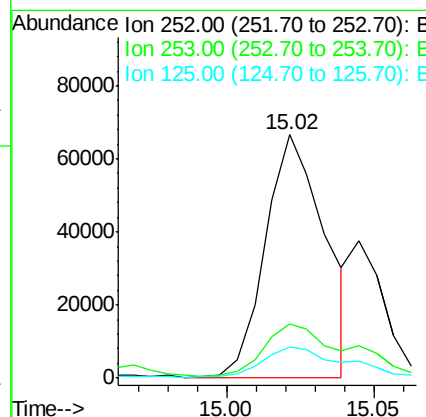
RT: 15.02 min Scan# 2199

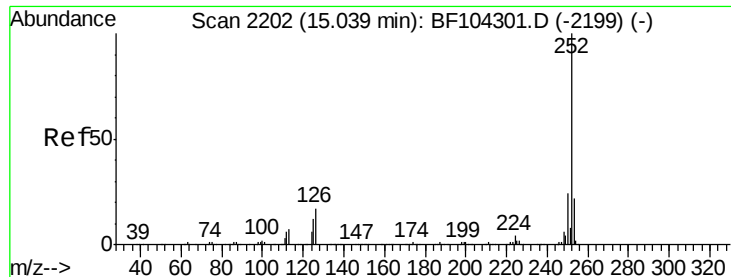
Delta R.T. -0.02 min

Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Tgt Ion:	252	Resp:	94290
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	13.0	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 3.145 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Instrument :

BNA_F

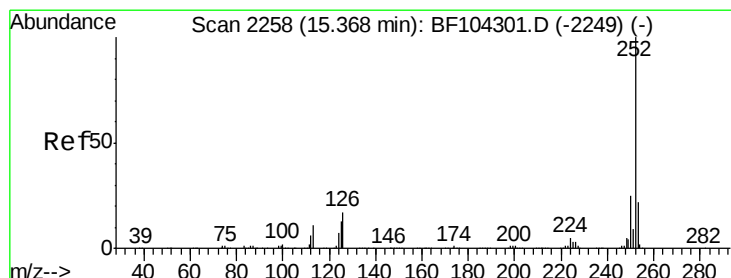
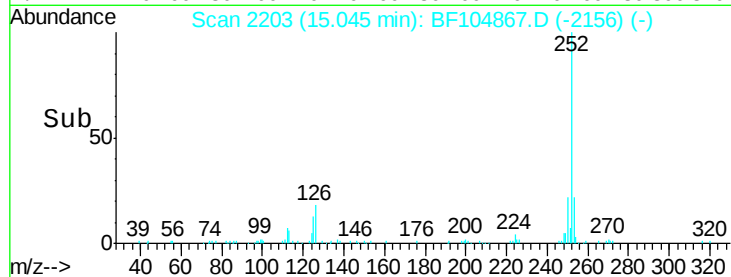
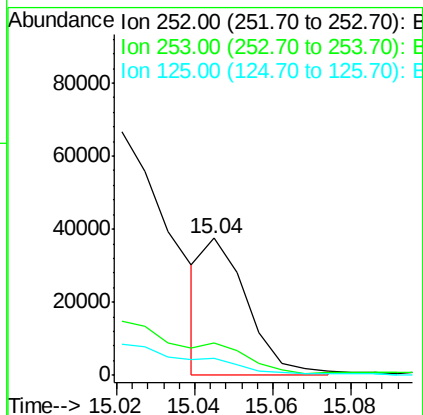
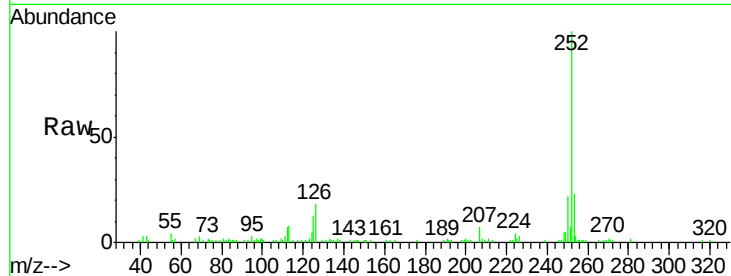
ClientSampled :

TP-6 4.0-4.5

Tot Ion:	252	Resp:	29648
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	12.7	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 7.245 ng

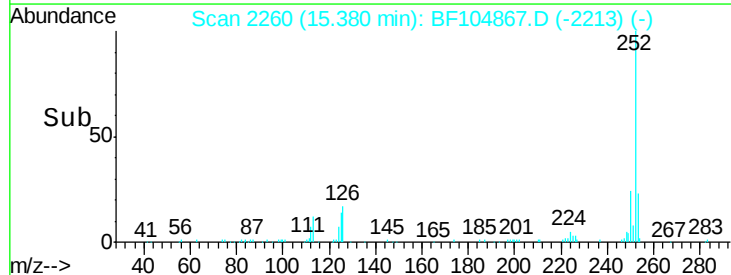
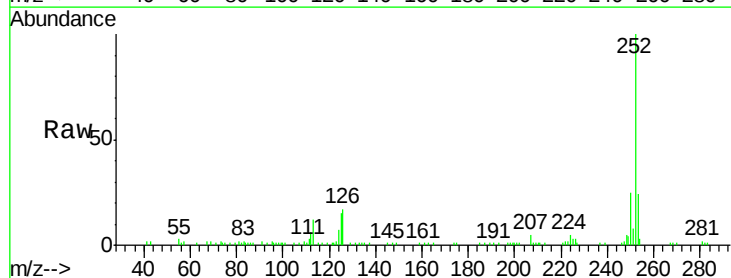
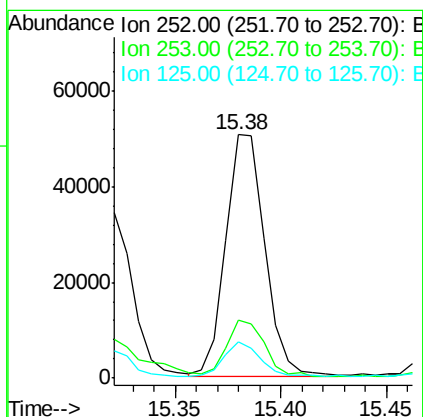
RT: 15.38 min Scan# 2260

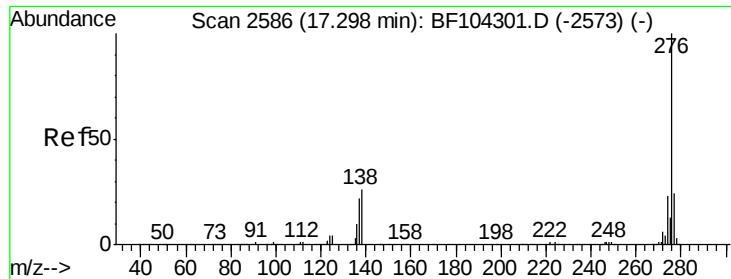
Delta R.T. -0.02 min

Lab File: BF104867.D

Acq: 27 Apr 2018 7:24

Tgt Ion:	252	Resp:	64729
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	14.9	9.8	14.6#





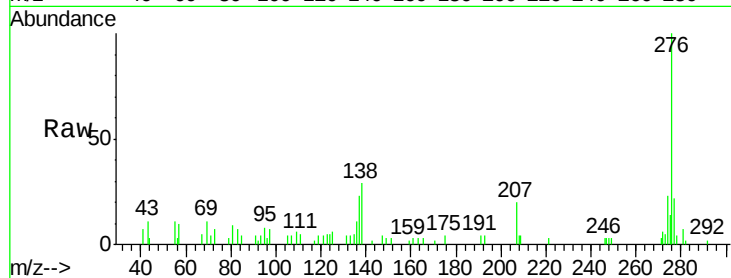
#91
 Benzo(a,h,i)perylene
 Concen: 3.907 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. -0.03 min
 Lab File: BF104867.D
 Acq: 27 Apr 2018 7:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-6 4.0-4.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	28.9	21.8	32.8

Manual Integrations
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Sohil
 4/27/2018 7:00:22 PM



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

