

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104768.D
 Acq On : 24 Apr 2018 20:34
 Operator : JU/SJ
 Sample : J2508-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

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Quant Time: Apr 25 12:51:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	108766	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	437472	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	183380	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	287310	20.00	ng	0.00
75) Chrysene-d12	13.99	240	206811	20.00	ng	0.00
86) Perylene-d12	15.47	264	146468	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	691341	97.19	ng	0.02
7) Phenol-d6	6.46	99	851451	97.42	ng	0.01
23) Nitrobenzene-d5	7.37	82	532262	79.45	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	177587	93.36	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	919790	79.24	ng	0.00
78) Terphenyl-d14	12.93	244	705073	77.73	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	96183	6.651	ng	99
54) Dibenzofuran	10.06	168	38127	2.349	ng	99
70) Phenanthrene	11.37	178	487301	30.456	ng	98
71) Anthracene	11.42	178	129508	7.963	ng	98
73) Di-n-butylphthalate	11.90	149	69842	3.597	ng	99
74) Fluoranthene	12.56	202	556077	33.264	ng	96
77) Pyrene	12.79	202	467962	30.527	ng	98
80) Benzo(a)anthracene	13.98	228	236051	19.106	ng	98
82) Chrysene	14.02	228	207901	16.382	ng	98
83) Bis(2-ethylhexyl)phthalate	13.96	149	26577	2.861	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	70727	6.561	ng	# 89
87) Benzo(b)fluoranthene	15.04	252	200491m	21.673	ng	
88) Benzo(k)fluoranthene	15.06	252	58876m	6.741	ng	
89) Benzo(a)pyrene	15.40	252	113839	13.754	ng	95
90) Dibenzo(a,h)anthracene	16.94	278	20773	3.056	ng	# 91
91) Benzo(g,h,i)perylene	17.38	276	63226	9.600	ng	93

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

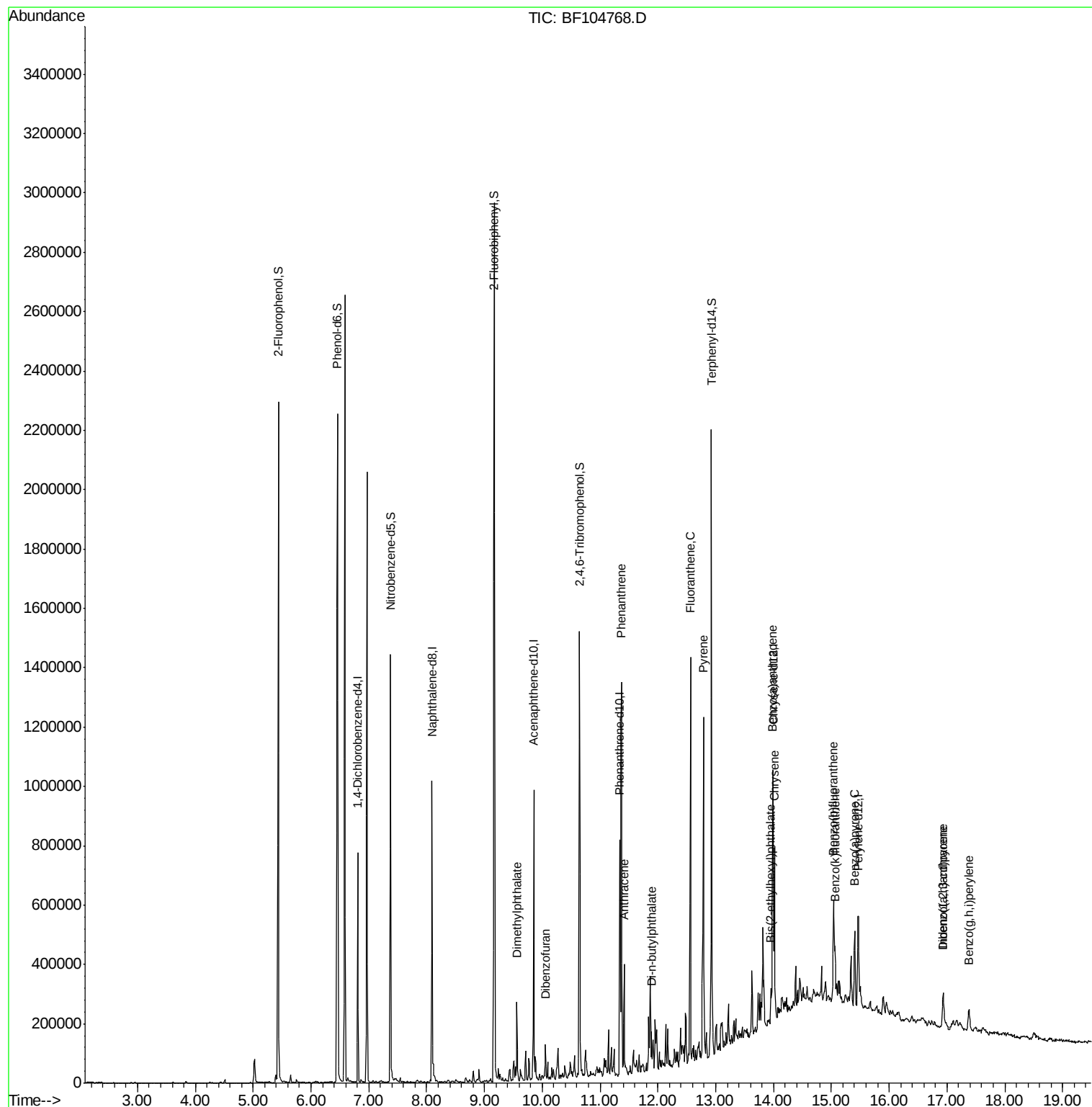
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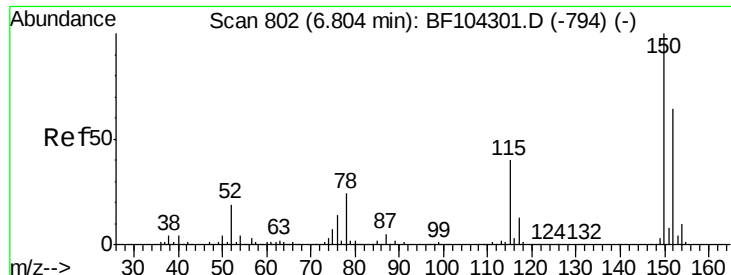
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

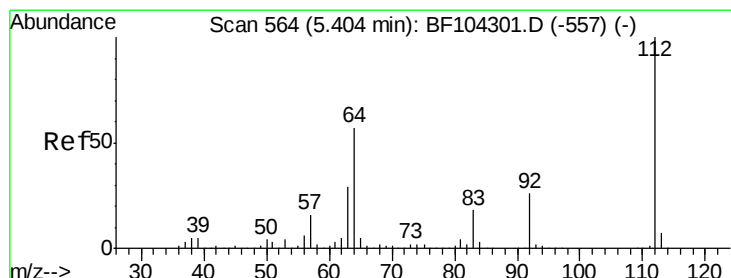
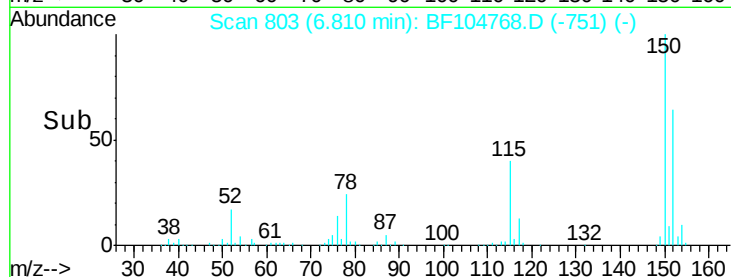
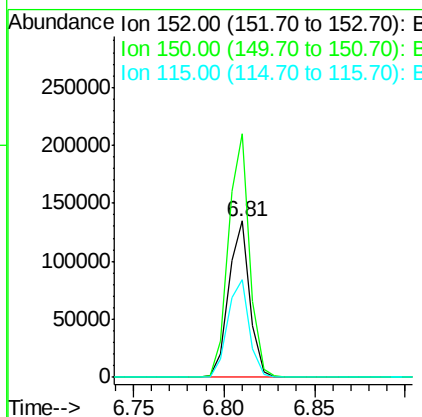
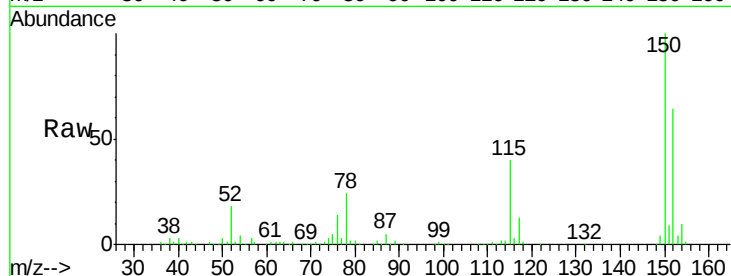
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	62.6	50.1	75.1

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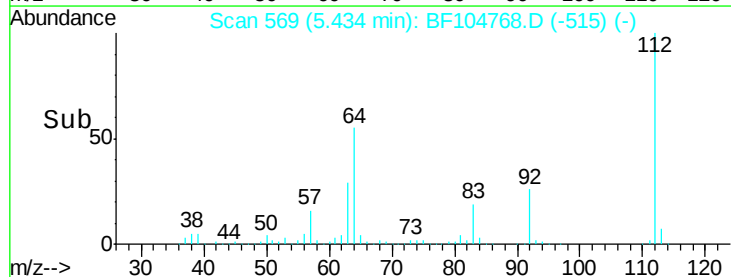
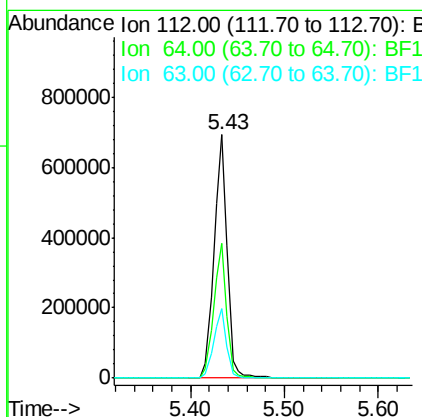
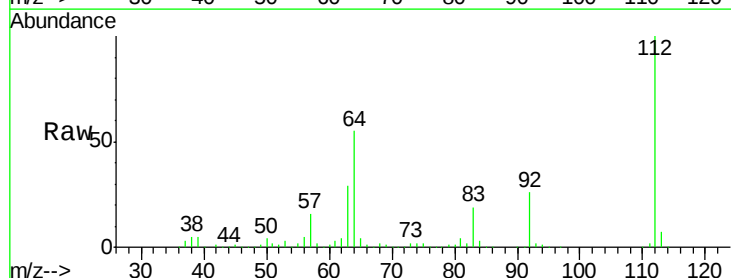
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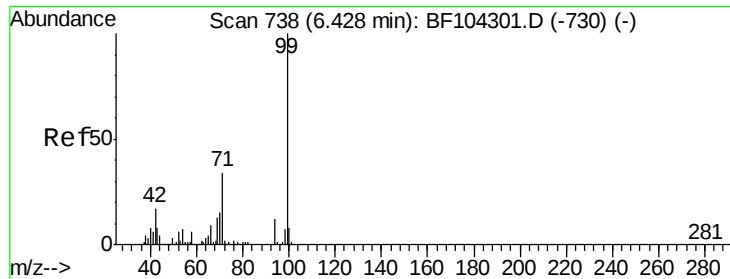


#5

2-Fluorophenol
Concen: 97.190 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 97.421 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104768.D

Acq: 24 Apr 2018 20:34

Instrument :

BNA_F

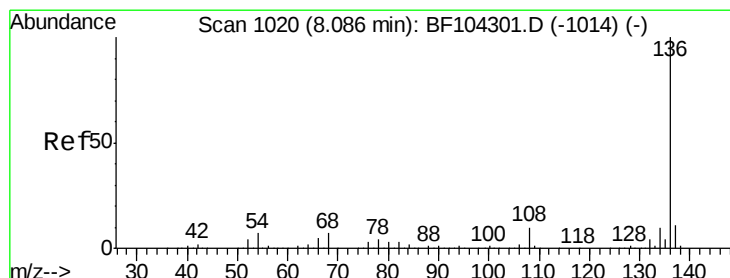
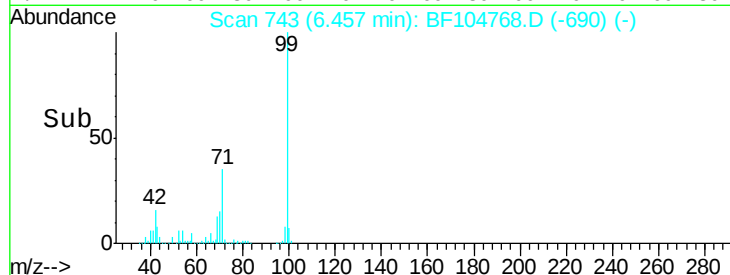
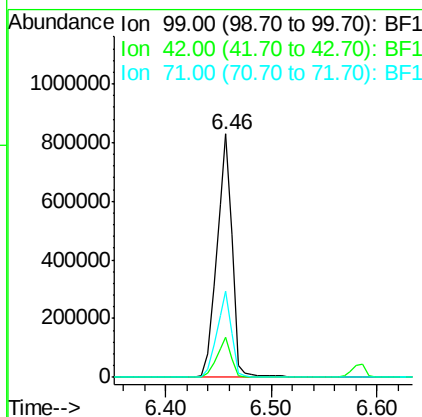
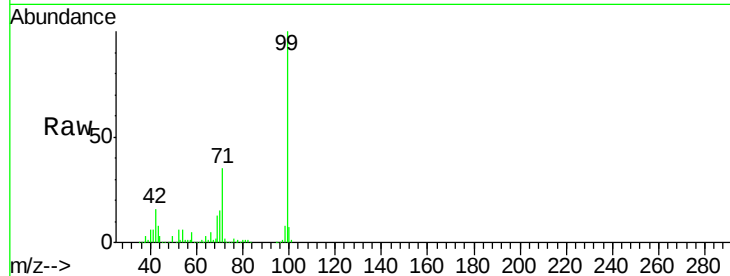
ClientSampled :

TP-3

Tot Ion:	99	Resp:	851451
Ion Ratio	Lower	Upper	
99	100		
42	16.4	14.5	21.7
71	35.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

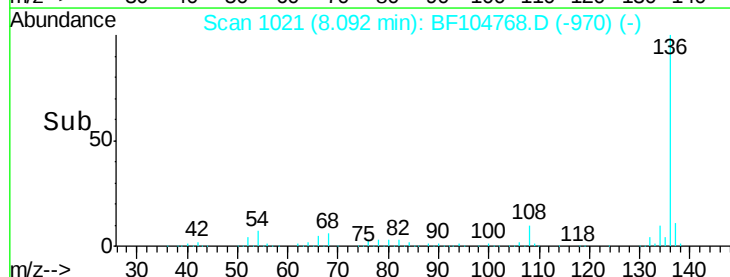
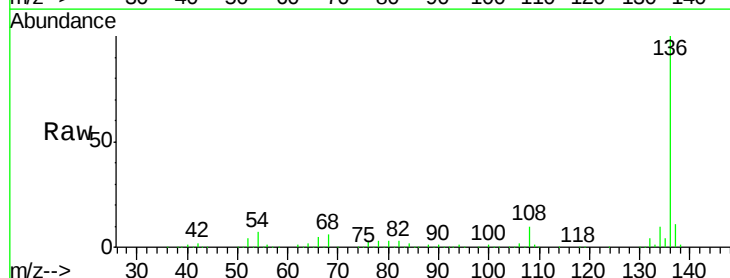
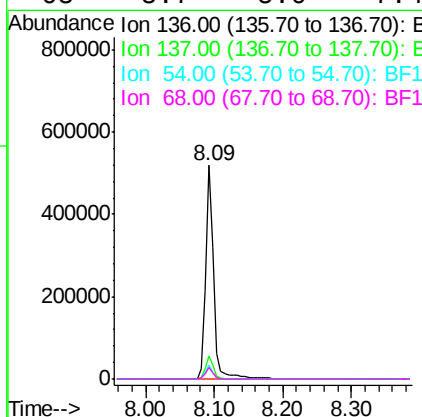
RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104768.D

Acq: 24 Apr 2018 20:34

Tgt Ion:	136	Resp:	437472
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.6	6.6	9.8#
68	5.7	5.0	7.4





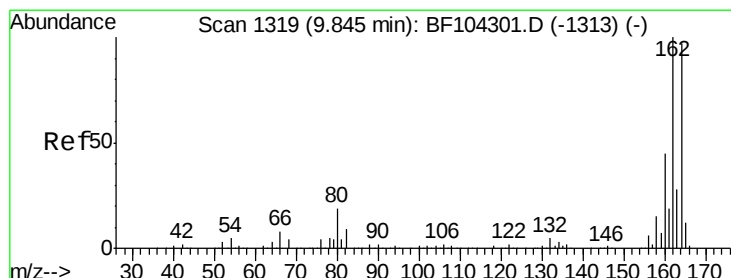
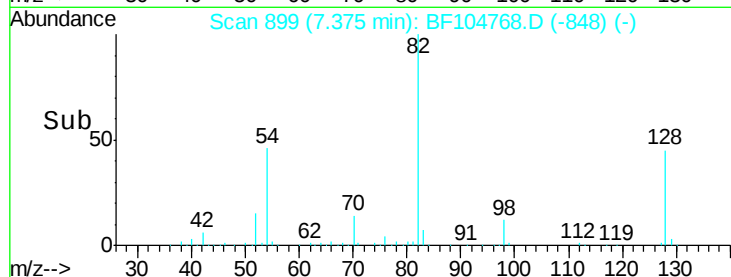
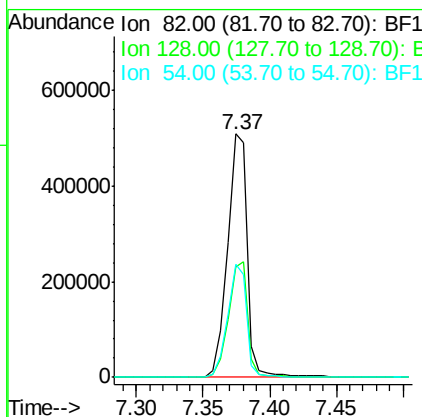
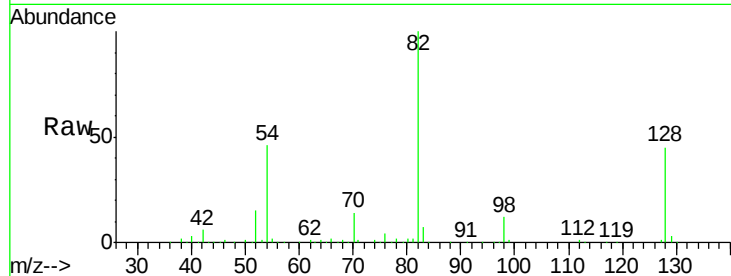
#23
 Nitrobenzene-d5
 Concen: 79.447 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104768.D
 Acq: 24 Apr 2018 20:34

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	46.2	41.4	62.2

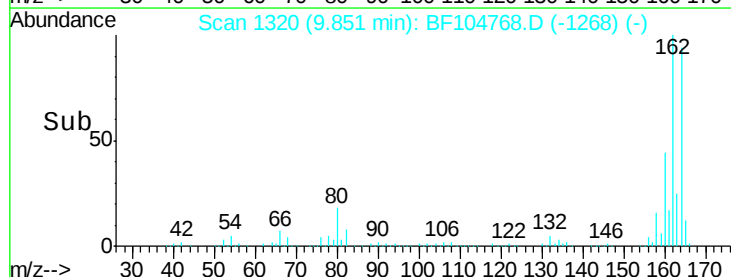
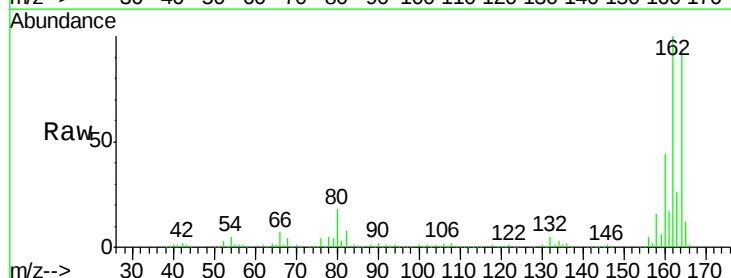
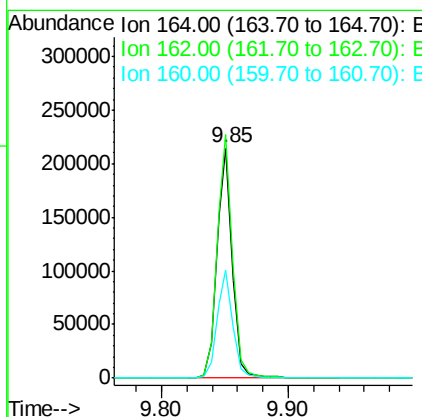
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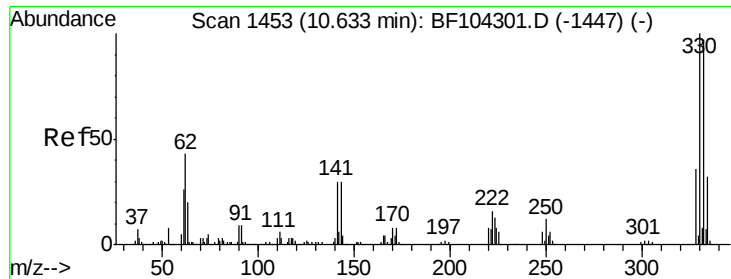
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF104768.D
 Acq: 24 Apr 2018 20:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.1	129.1
160	46.8	38.3	57.5





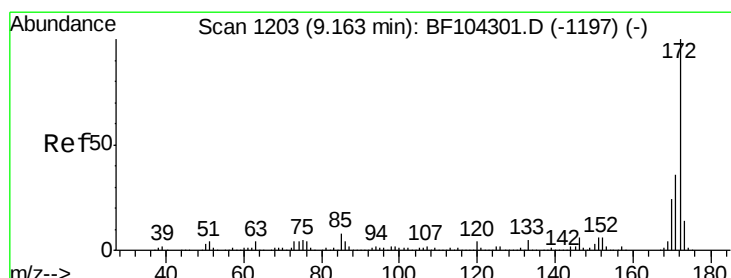
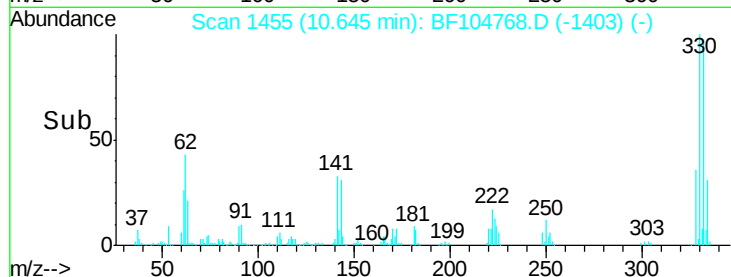
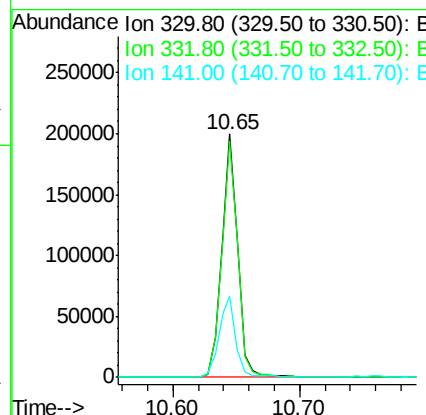
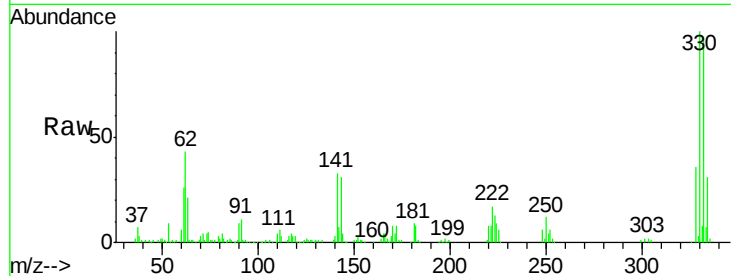
#41
 2,4,6-Tribromophenol
 Concen: 93.356 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104768.D
 Acq: 24 Apr 2018 20:34

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	177587		
332	97.8	77.0	115.6	
141	34.1	29.9	44.9	

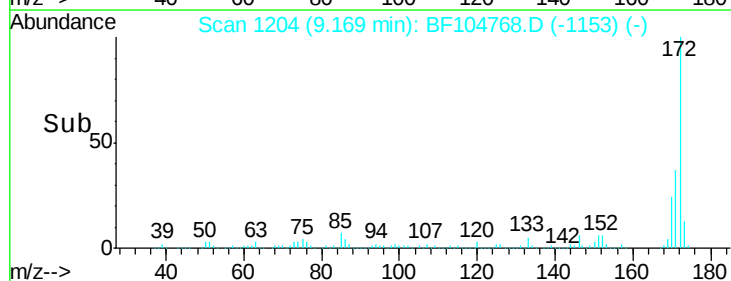
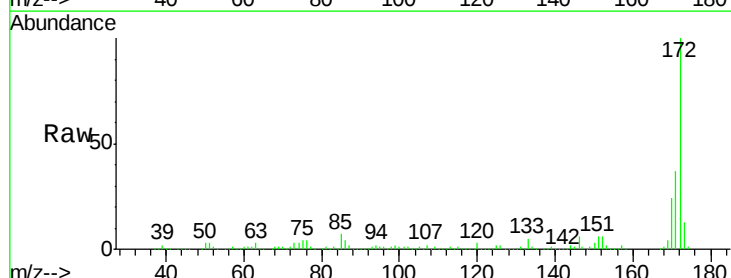
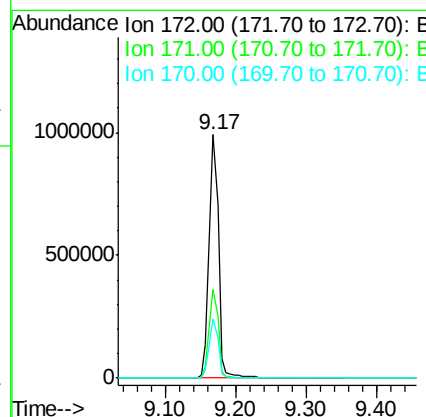
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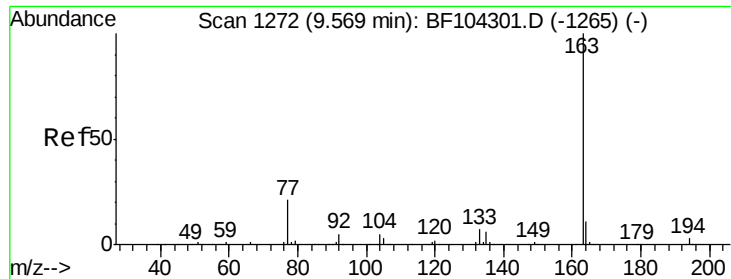
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#44
 2-Fluorobiphenyl
 Concen: 79.237 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104768.D
 Acq: 24 Apr 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	919790		
171	36.7	29.7	44.5	
170	24.2	19.6	29.4	





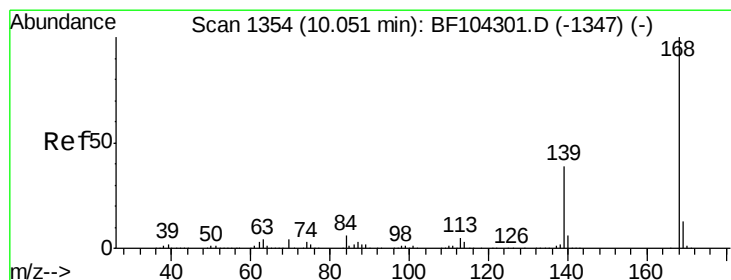
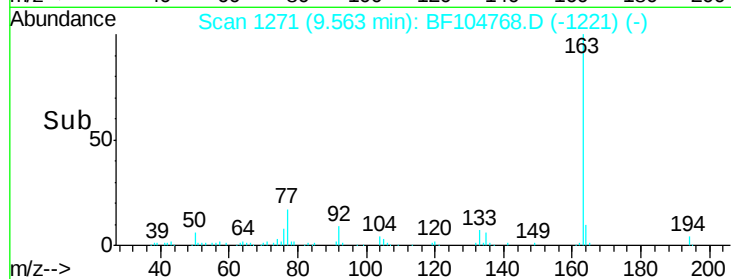
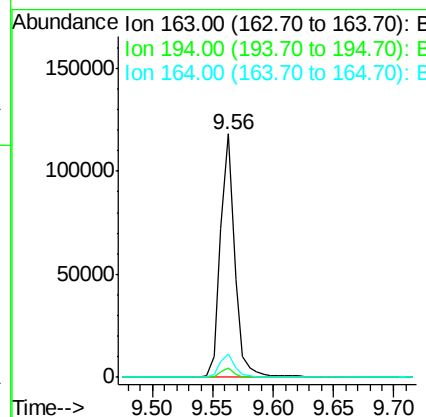
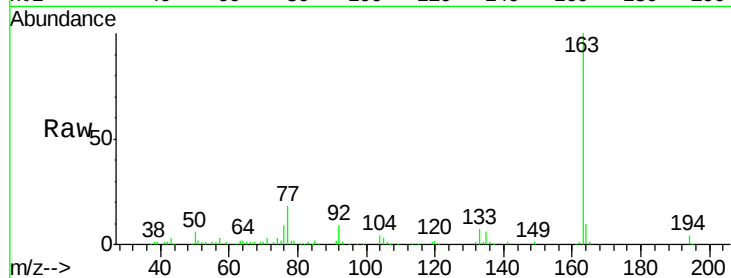
#49
Dimethylphthalate
Concen: 6.651 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	96183		
194	3.9		2.7	4.1
164	9.8		8.2	12.2

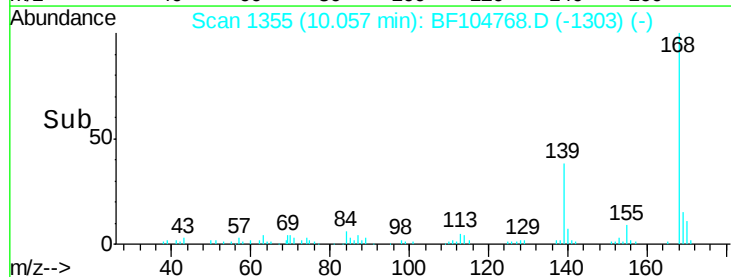
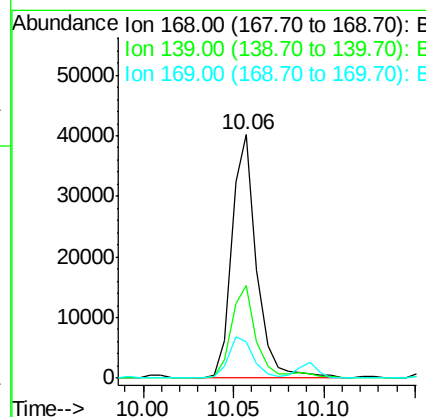
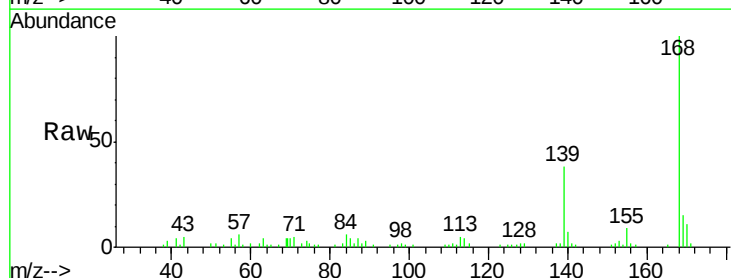
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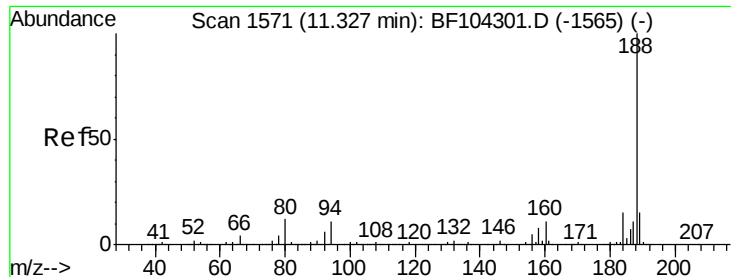
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#54
Dibenzofuran
Concen: 2.349 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	38127		
139	37.8		30.1	45.1
169	14.8		10.9	16.3





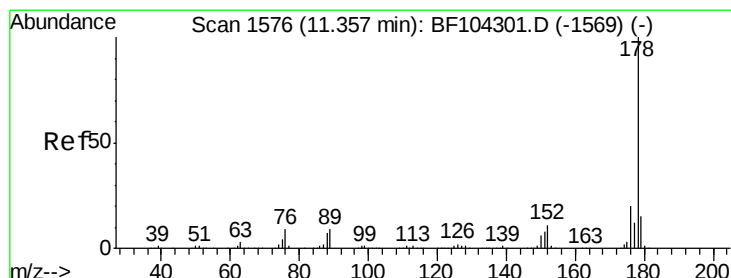
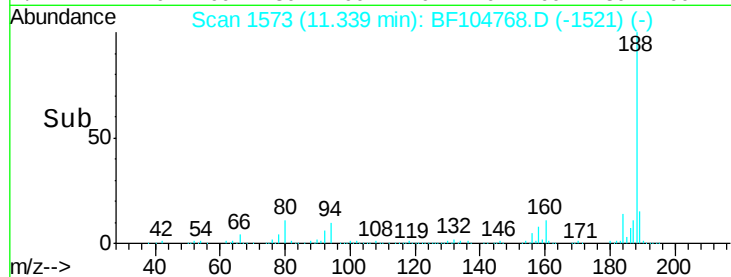
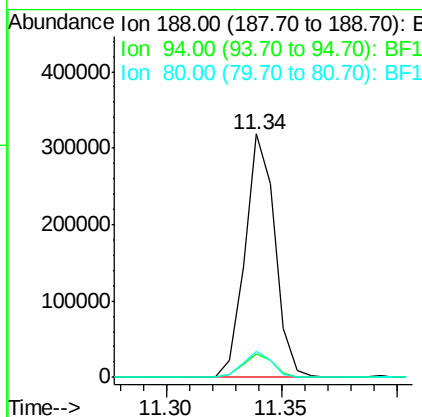
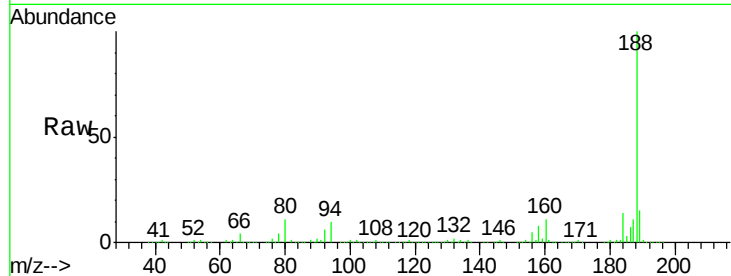
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Resp	Lower	Upper
188	100	287310		
94	9.8		8.5	12.7
80	10.8		9.2	13.8

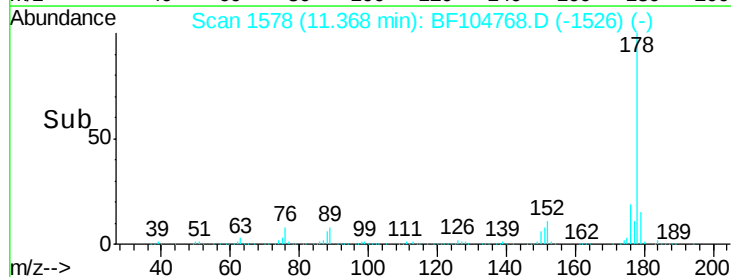
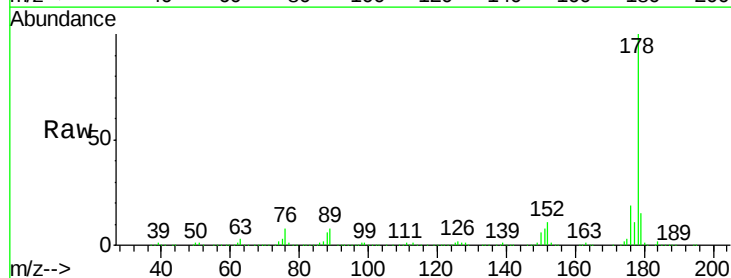
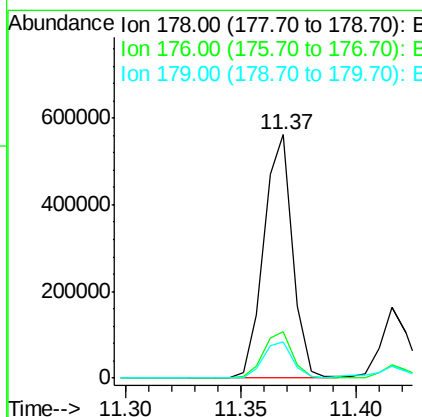
Manual Integrations
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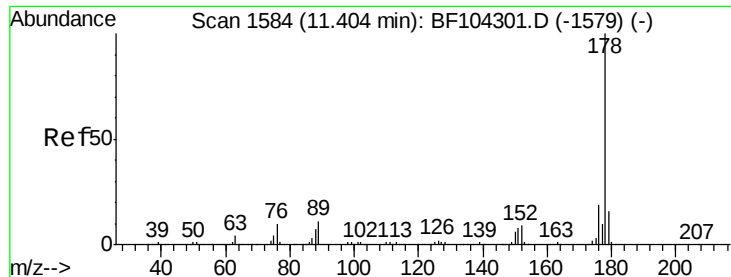
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#70
Phenanthrene
Concen: 30.456 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	487301		
176	19.3		15.8	23.8
179	14.9		13.0	19.6





#71

Anthracene

Concen: 7.963 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF104768.D

Acq: 24 Apr 2018 20:34

Instrument :

BNA_F

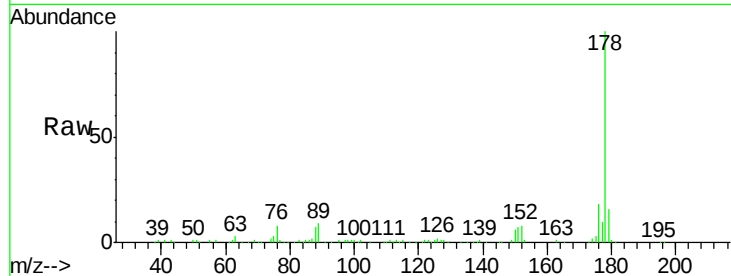
ClientSampled :

TP-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	16.1	12.6	19.0

Manual Integrations
APPROVED

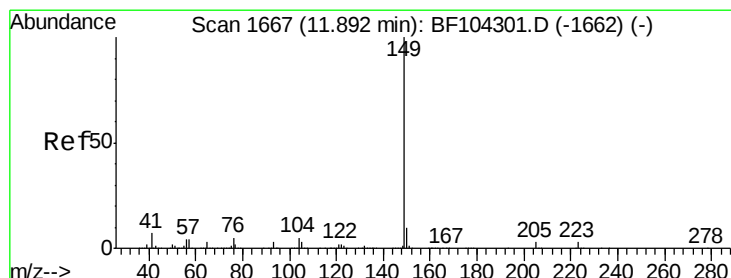
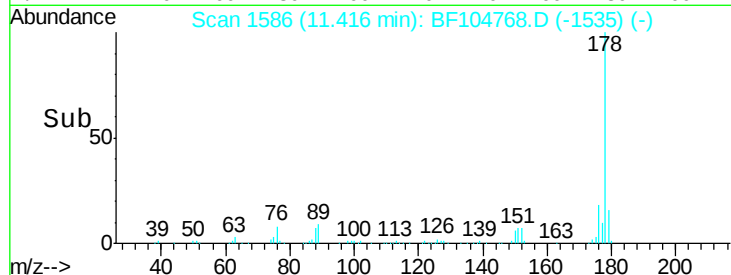
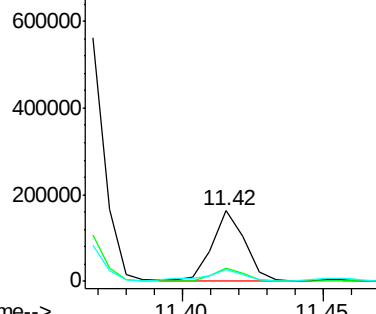
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 3.597 ng

RT: 11.90 min Scan# 1668

Delta R.T. 0.01 min

Lab File: BF104768.D

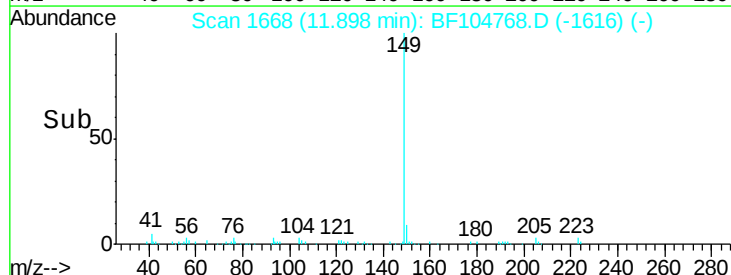
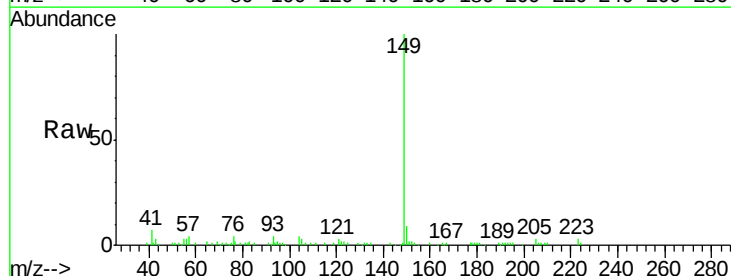
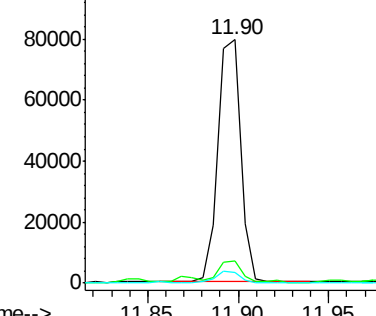
Acq: 24 Apr 2018 20:34

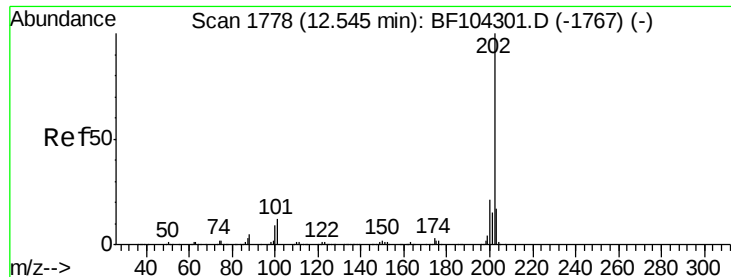
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.8	11.6
104	4.2	3.8	5.8

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 33.264 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF104768.D

Acq: 24 Apr 2018 20:34

Instrument :

BNA_F

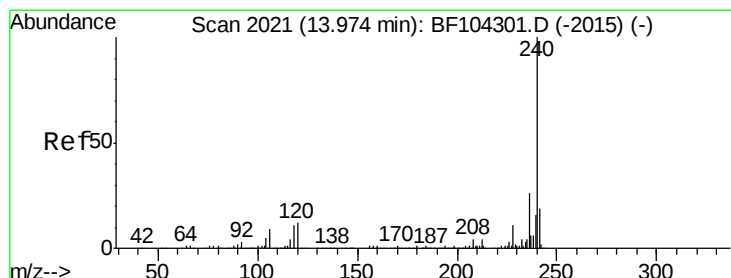
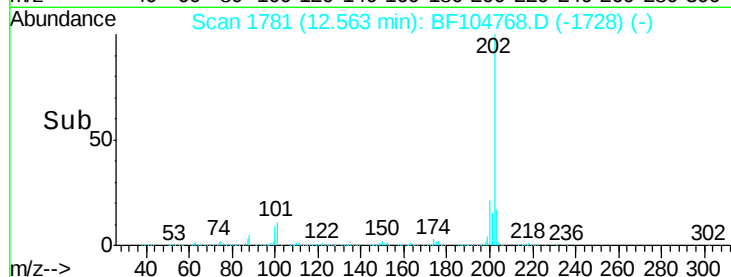
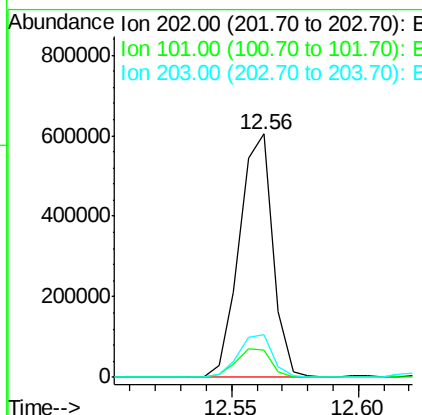
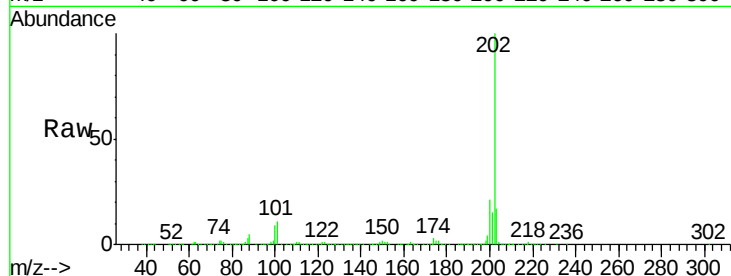
ClientSampleId :

TP-3

Tot Ion:	202	Resp:	556077
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

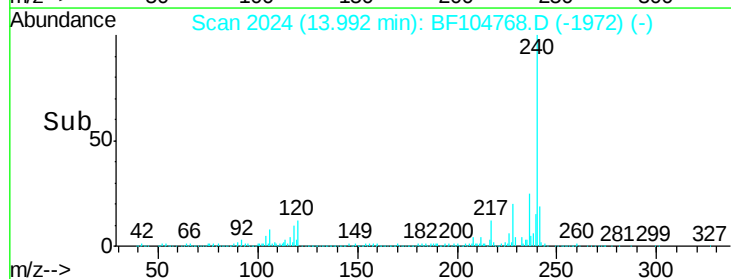
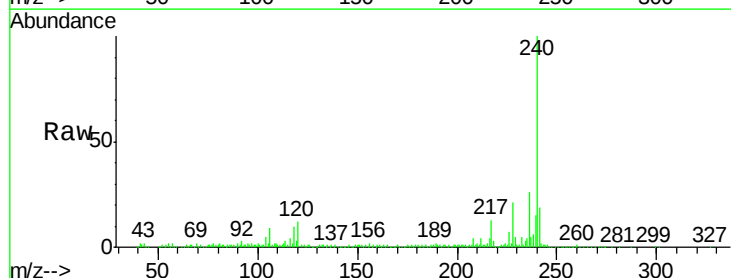
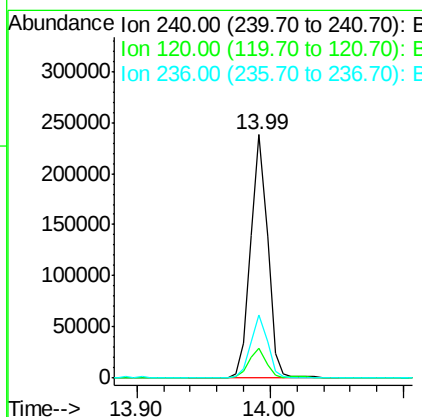
RT: 13.99 min Scan# 2024

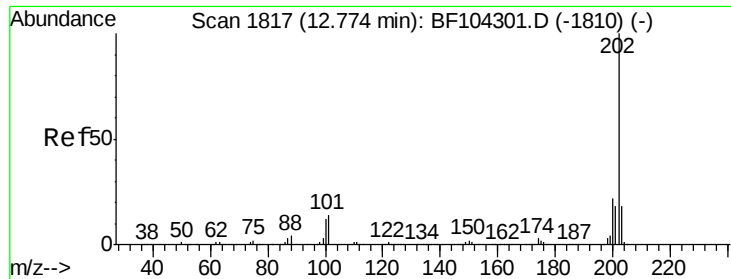
Delta R.T. 0.01 min

Lab File: BF104768.D

Acq: 24 Apr 2018 20:34

Tgt Ion:	240	Resp:	206811
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	25.7	20.7	31.1





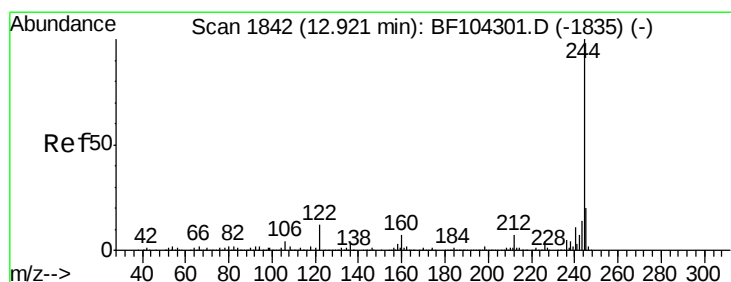
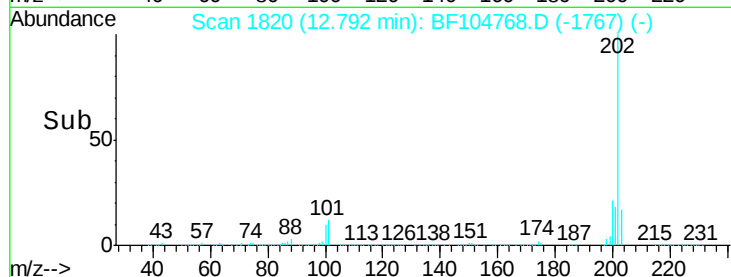
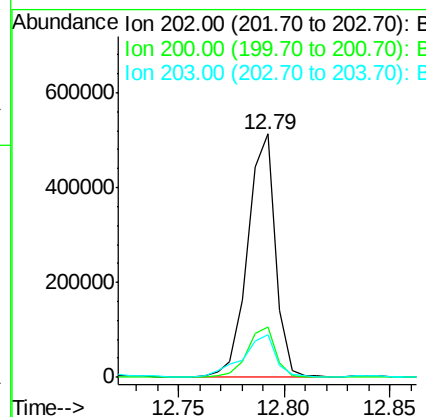
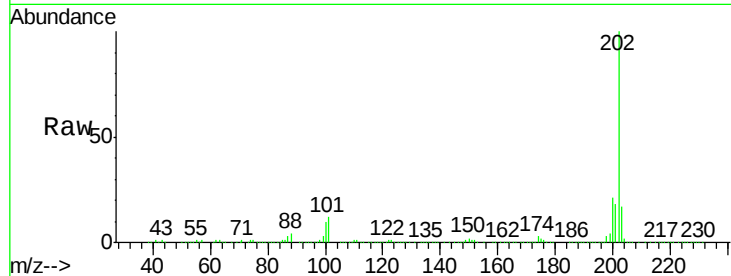
#77
Pvrene
Concen: 30.527 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.4	14.3	21.5

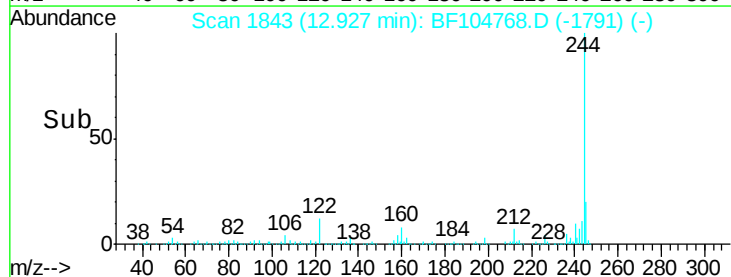
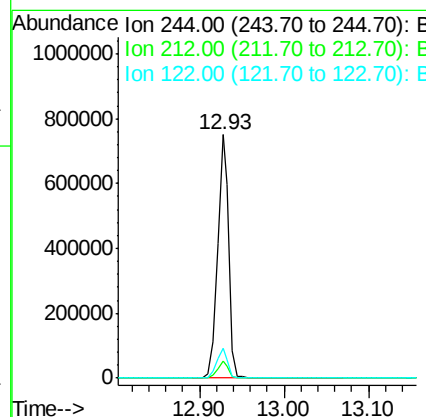
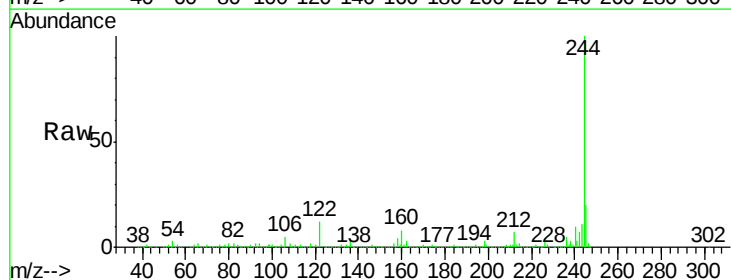
Manual Integrations
APPROVED

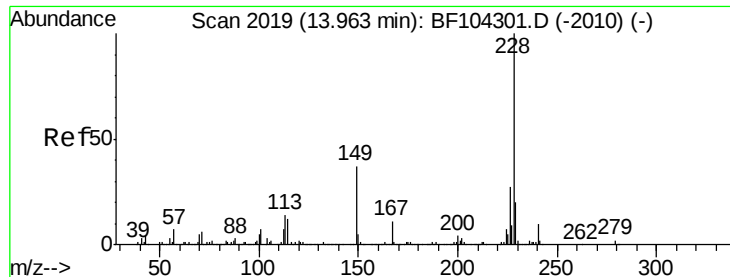
Sohil
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#78
Terphenyl-d14
Concen: 77.725 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.5	11.0	16.4





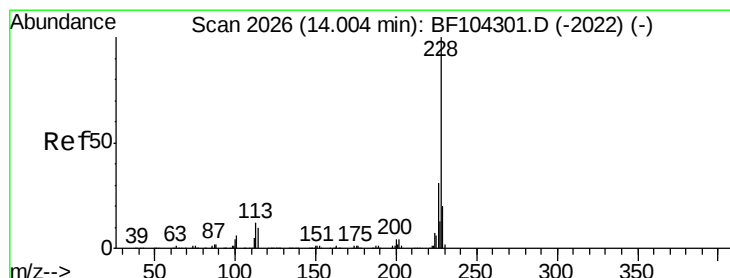
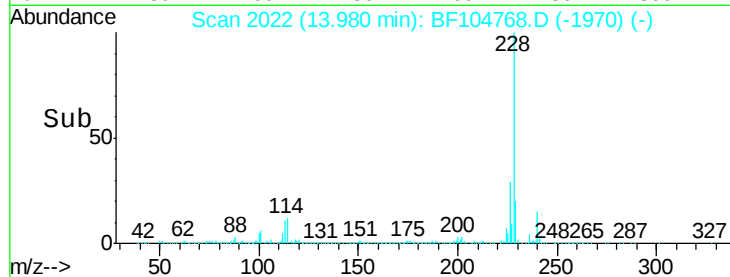
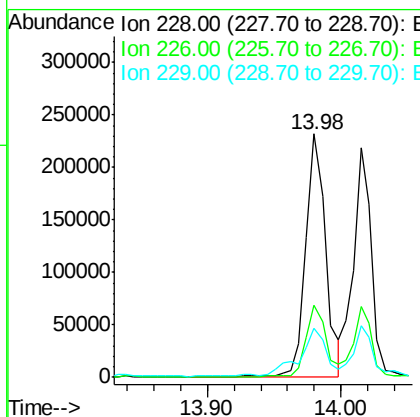
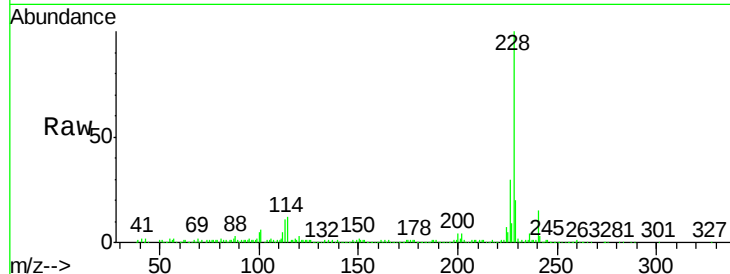
#80
Benzo(a)anthracene
Concen: 19.106 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	20.1	15.8	23.6

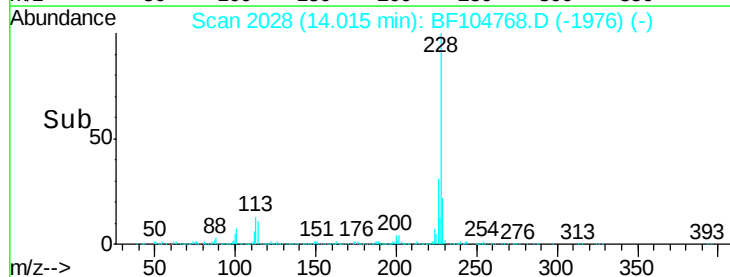
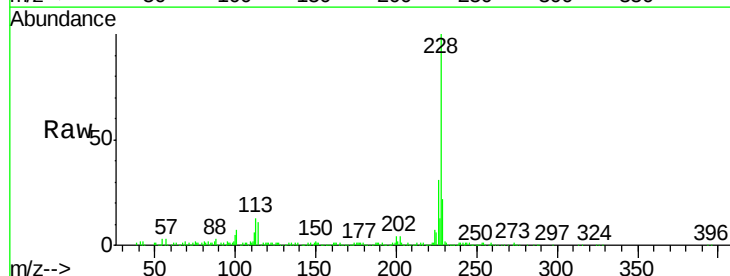
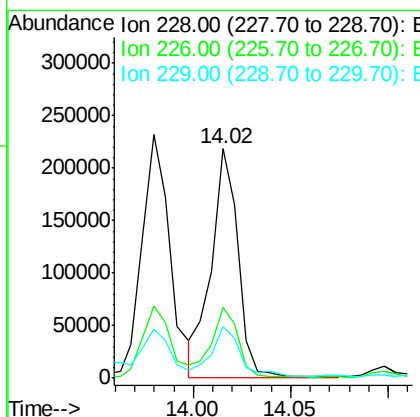
Manual Integrations
APPROVED

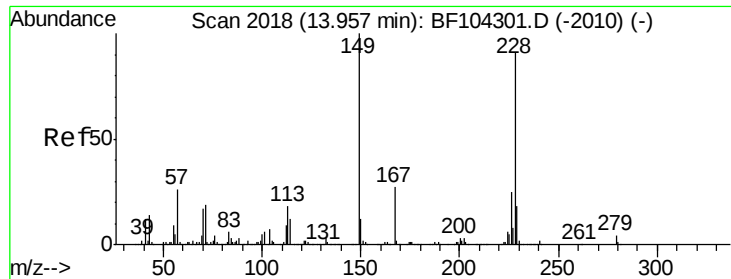
Sohil
4/25/2018 4:23:03 PM



#82
Chrysene
Concen: 16.382 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.3	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.861 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF104768.D

Acq: 24 Apr 2018 20:34

Instrument :

BNA_F

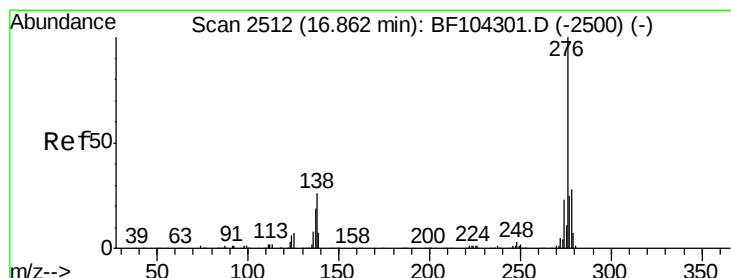
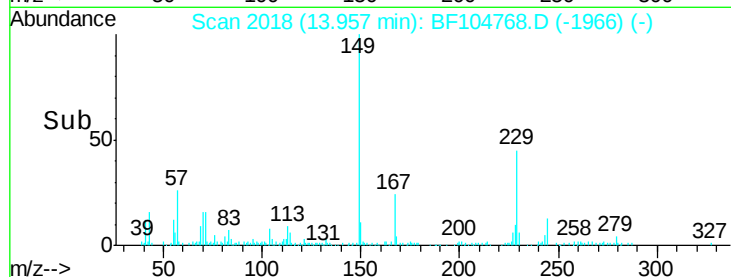
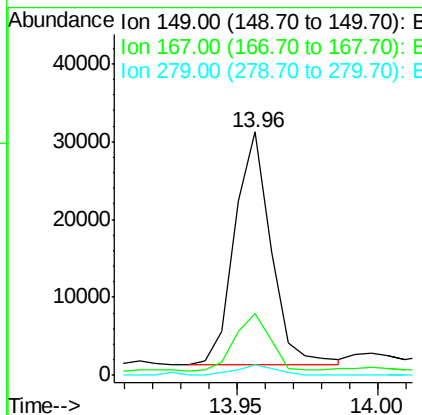
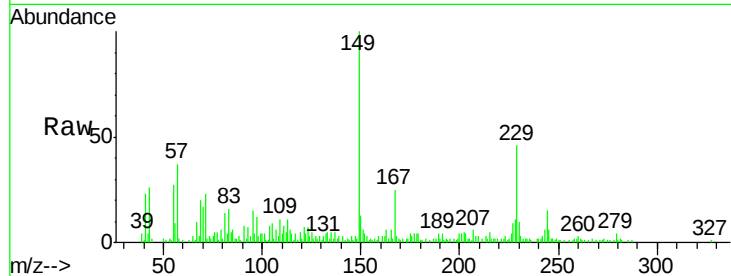
ClientSampled :

TP-3

Tot Ion:	149	Resp:	26577
Ion Ratio	Lower	Upper	
149	100		
167	25.3	21.3	31.9
279	4.2	3.0	4.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.561 ng

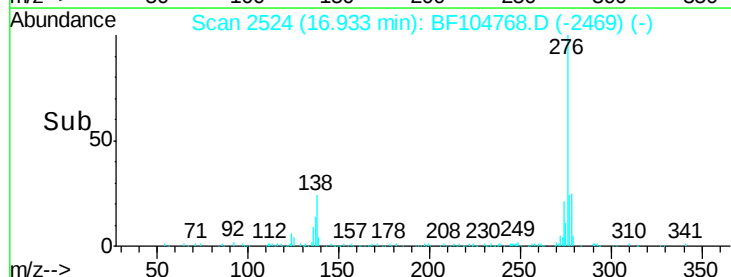
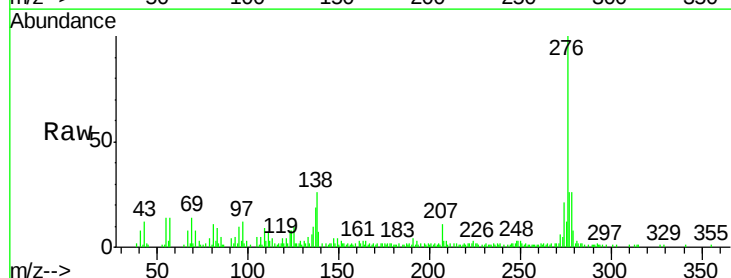
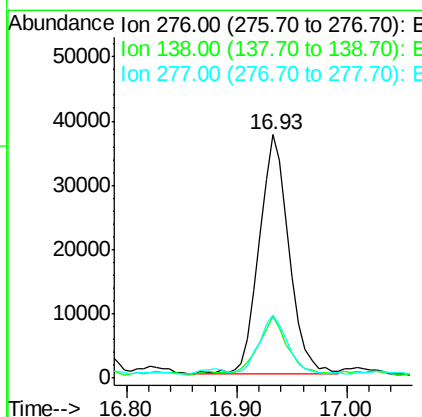
RT: 16.93 min Scan# 2524

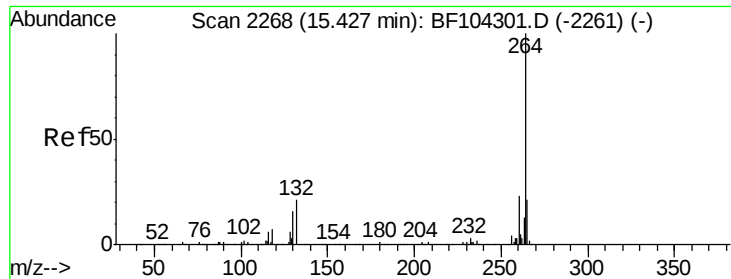
Delta R.T. 0.02 min

Lab File: BF104768.D

Acq: 24 Apr 2018 20:34

Tgt Ion:	276	Resp:	70727
Ion Ratio	Lower	Upper	
276	100		
138	22.0	25.0	37.6#
277	23.3	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.02 min

Lab File: BF104768.D

Acq: 24 Apr 2018 20:34

Instrument :

BNA_F

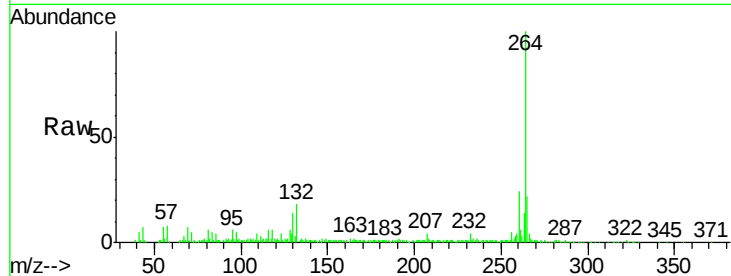
ClientSampled :

TP-3

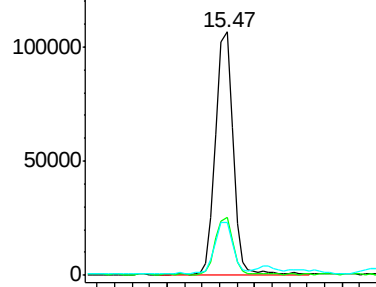
Tot Ion:	264	Resp:	146468
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.9	17.5	26.3

Manual Integrations
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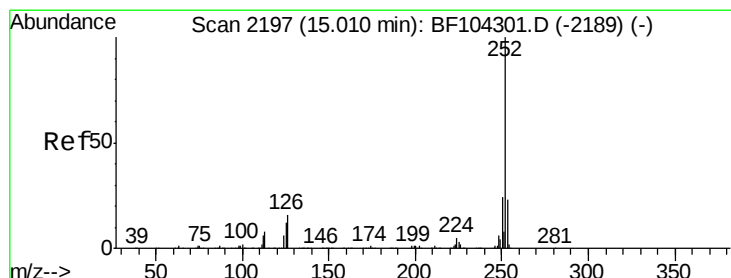
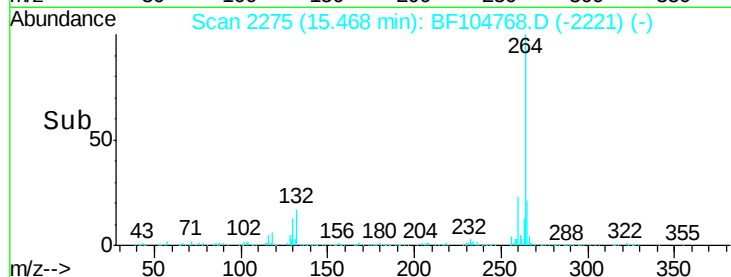
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 21.673 ng m

RT: 15.04 min Scan# 2202

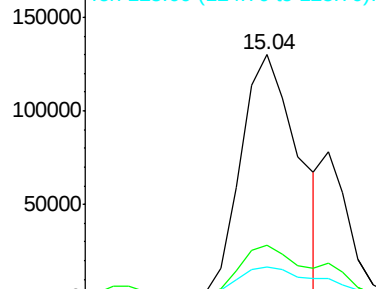
Delta R.T. 0.01 min

Lab File: BF104768.D

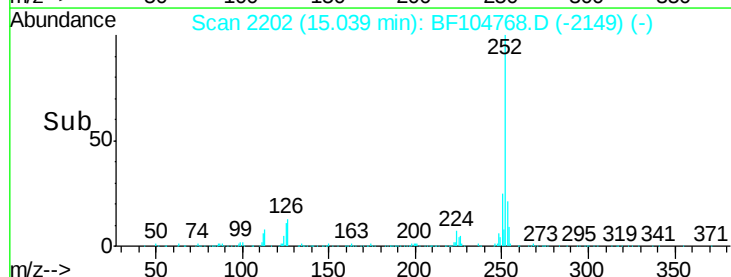
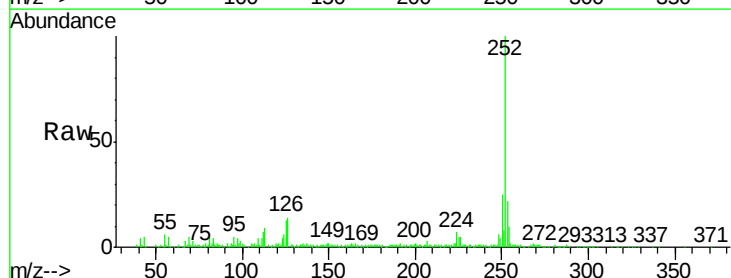
Acq: 24 Apr 2018 20:34

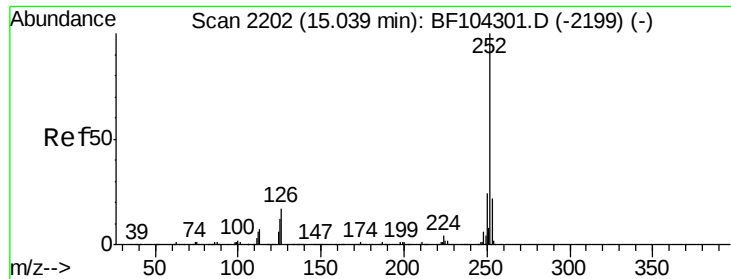
Tgt Ion:	252	Resp:	200491
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	12.7	9.0	13.6

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



Time-->





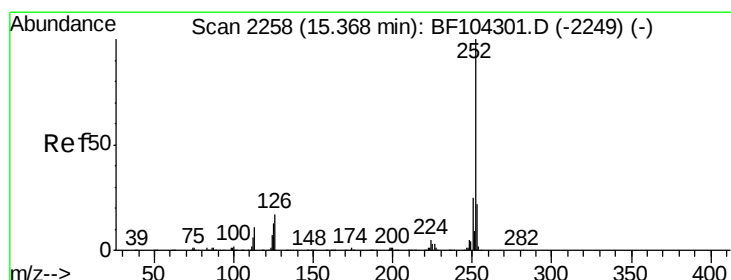
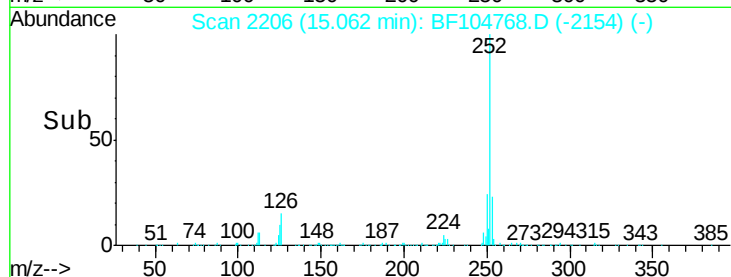
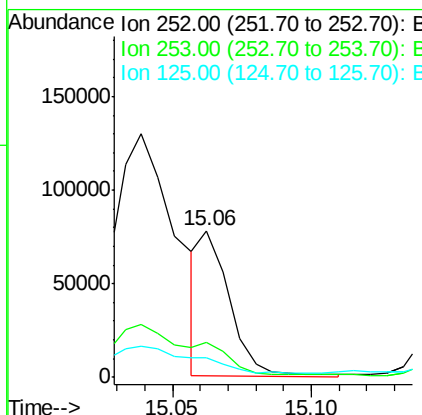
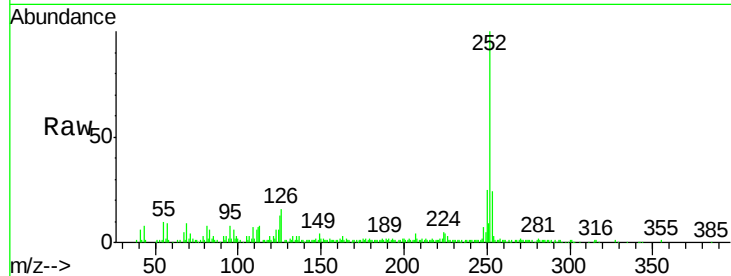
#88
Benzo(k)fluoranthene
Concen: 6.741 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	13.1	10.2	15.2

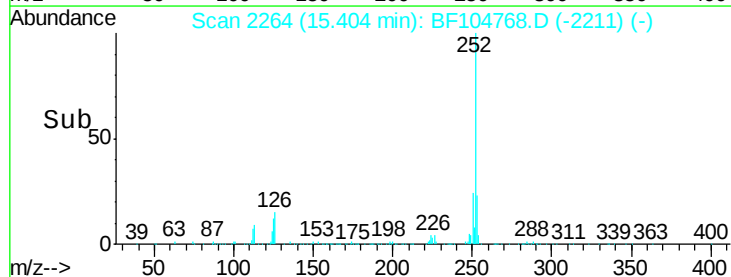
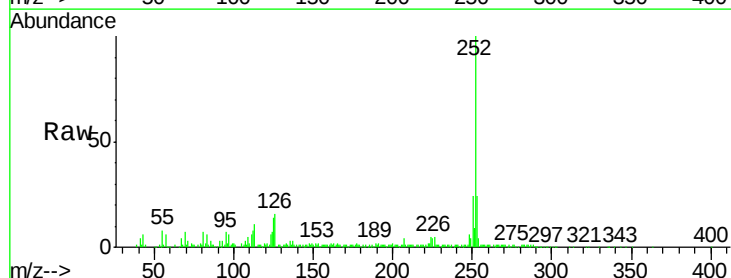
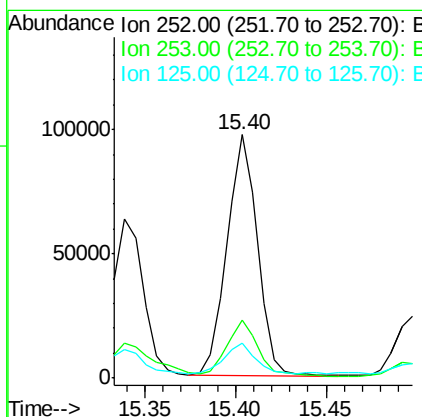
Manual Integrations
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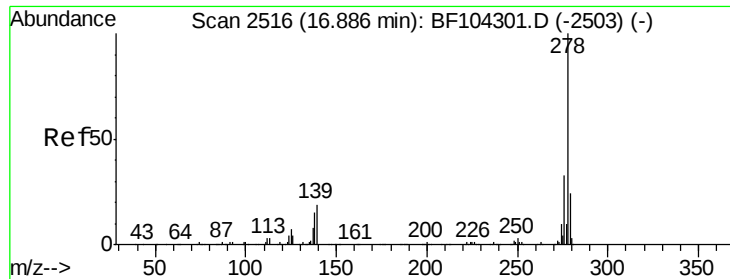
Sohil
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#89
Benzo(a)pyrene
Concen: 13.754 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	14.1	9.8	14.6





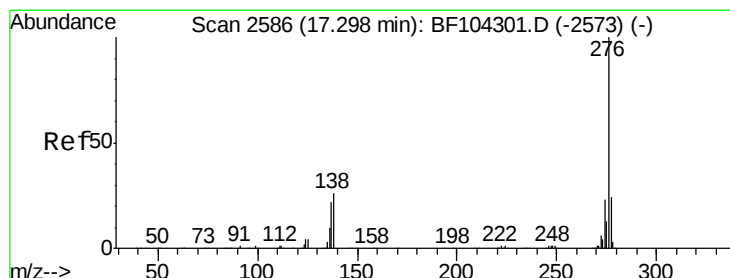
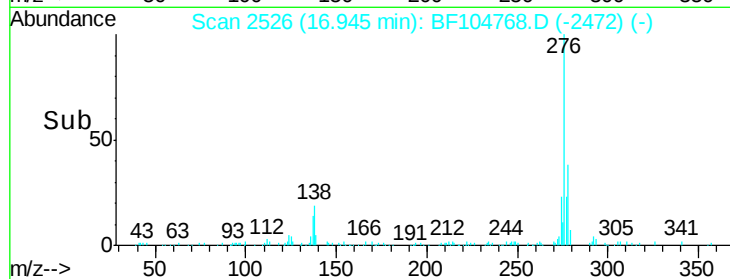
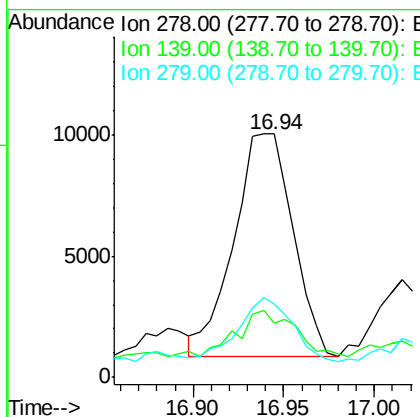
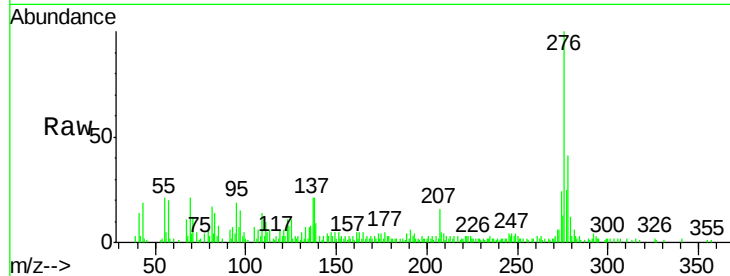
#90
Dibenzo(a,h)anthracene
Concen: 3.056 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.02 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.1	15.9	23.9
279	30.1	19.0	28.4

Manual Integrations
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4/25/2018 4:23:03 PM



#91
Benzo(g,h,i)perylene
Concen: 9.600 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF104768.D
Acq: 24 Apr 2018 20:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	23.8	21.8	32.8

