

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104715.D
 Acq On : 23 Apr 2018 17:48
 Operator : JU/SJ
 Sample : J2503-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT25773

Manual Integrations
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 4/24/2018 3:48:50 PM

Quant Time: Apr 24 09:31:13 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	108772	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	429994	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	176455	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	277576	20.00	ng	0.01
75) Chrysene-d12	14.00	240	167523	20.00	ng	0.02
86) Perylene-d12	15.47	264	148600	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	685902	96.42	ng	0.01
7) Phenol-d6	6.46	99	837766	95.85	ng	0.01
23) Nitrobenzene-d5	7.37	82	476770	72.40	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	164902	90.09	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	808915	72.42	ng	0.00
78) Terphenyl-d14	12.93	244	624050	84.93	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.46	94	51675	5.572	ng	90
31) Naphthalene	8.12	128	185623	8.669	ng	99
37) 2-Methylnaphthalene	8.80	142	56085	4.049	ng	99
48) Acenaphthylene	9.71	152	106660	5.806	ng	98
49) Dimethylphthalate	9.56	163	73026	5.248	ng	100
51) Acenaphthene	9.88	154	188819	16.846	ng	99
54) Dibenzofuran	10.05	168	160345	10.265	ng	97
57) Fluorene	10.40	166	227245	19.987	ng	99
70) Phenanthrene	11.38	178	2131651	137.899	ng	99
71) Anthracene	11.42	178	746785	47.526	ng	100
72) Carbazole	11.57	167	424384	27.639	ng	99
74) Fluoranthene	12.58	202	3035429	187.945	ng	99
77) Pyrene	12.81	202	2741019	220.740	ng	98
80) Benzo(a)anthracene	13.99	228	1592942	159.167	ng	98
82) Chrysene	14.03	228	1294911	125.967	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	691885	79.231	ng	# 91
87) Benzo(b)fluoranthene	15.06	252	1541282m	164.223	ng	
88) Benzo(k)fluoranthene	15.08	252	463926m	52.358	ng	
89) Benzo(a)pyrene	15.43	252	1039089	123.738	ng	95
90) Dibenzo(a,h)anthracene	16.96	278	191221m	27.726	ng	
91) Benzo(g,h,i)perylene	17.41	276	635092	95.046	ng	95

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

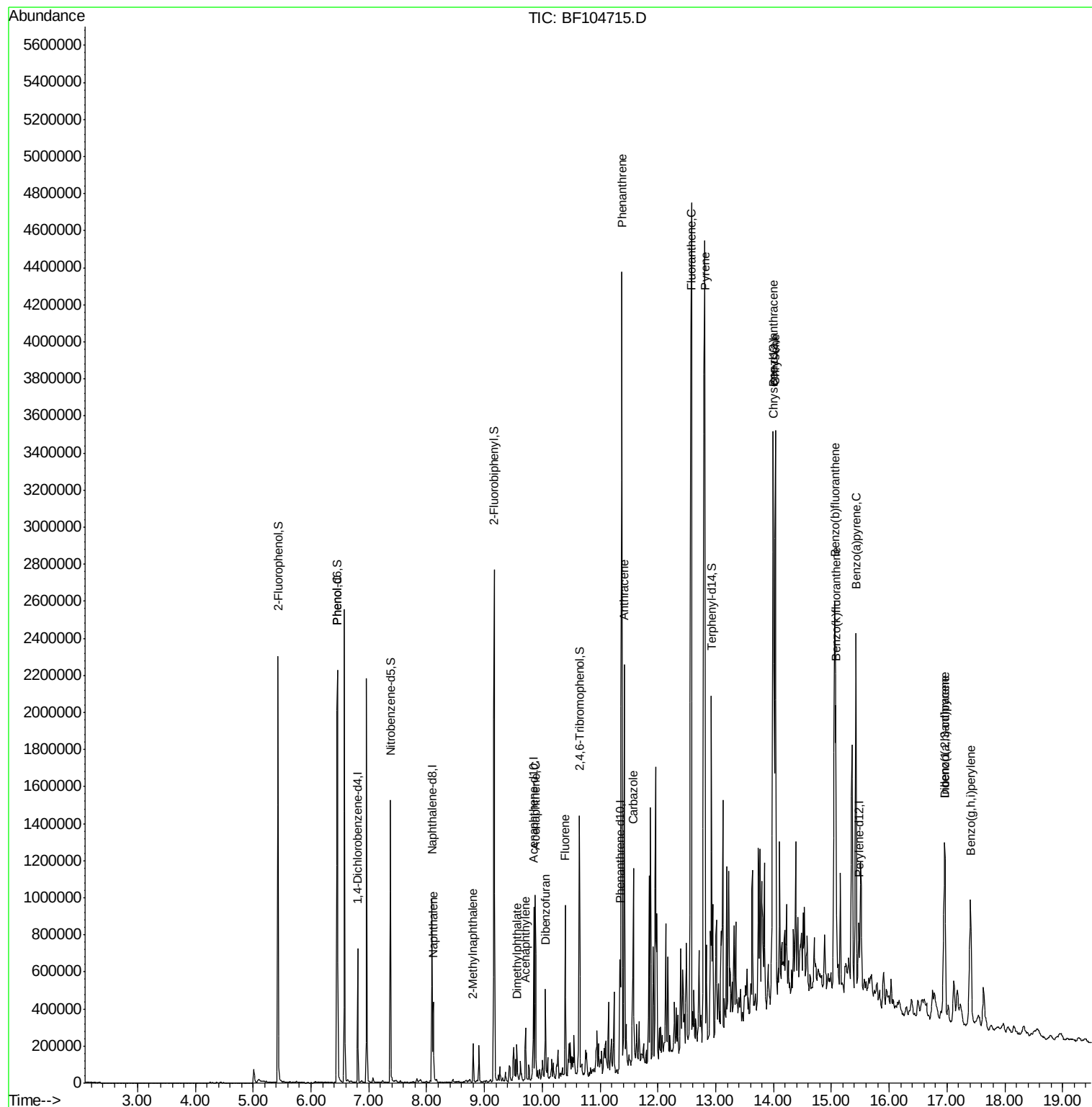
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104715.D
Acq On : 23 Apr 2018 17:48
Operator : JU/SJ
Sample : J2503-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

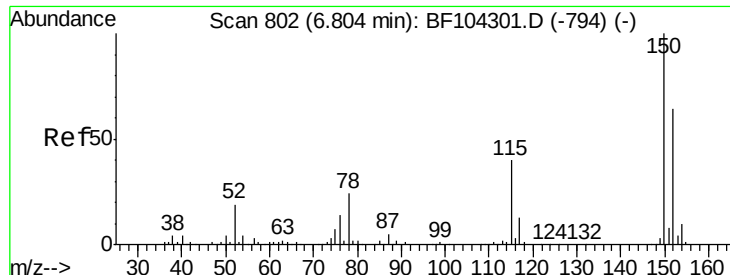
Instrument :
BNA_F
ClientSampleId :
CHRT25773

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Response via : Initial Calibration





#1

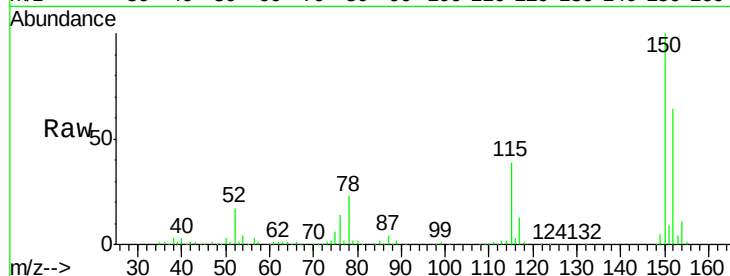
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :
 CHRT25773

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	60.5	50.1	75.1

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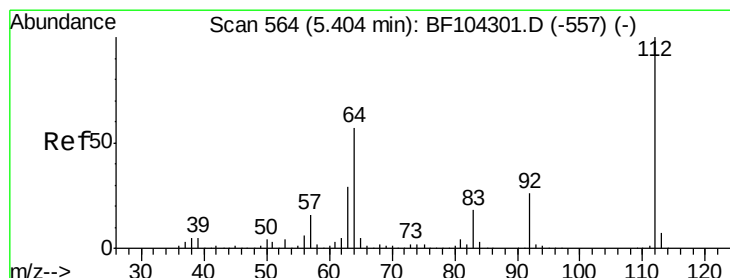
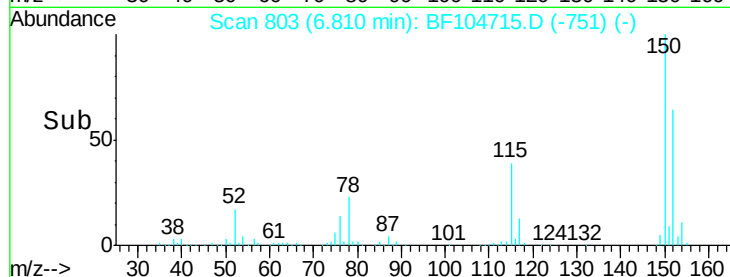
Abundance

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

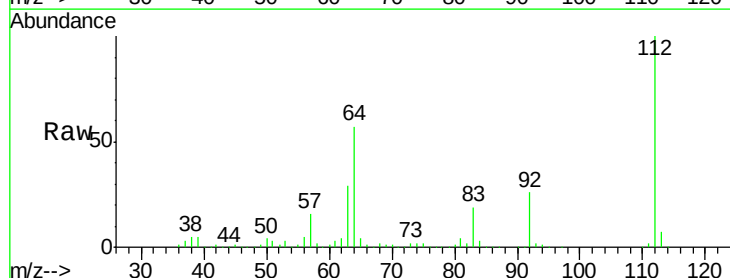
Time-->



#5

2-Fluorophenol
 Concen: 96.420 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	29.2	23.7	35.5



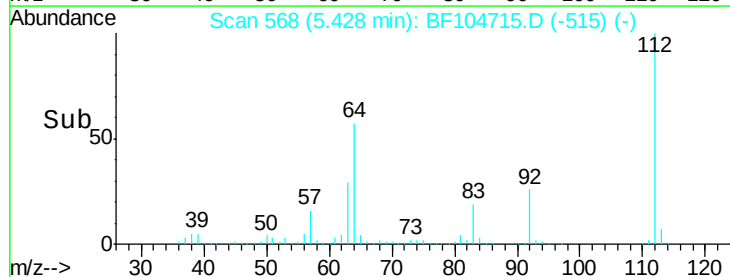
Abundance

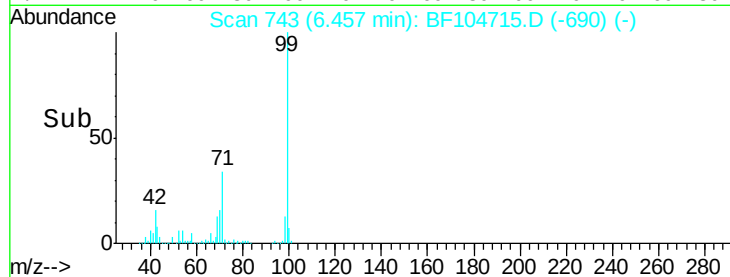
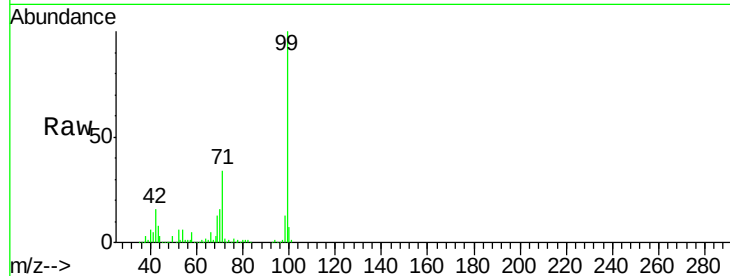
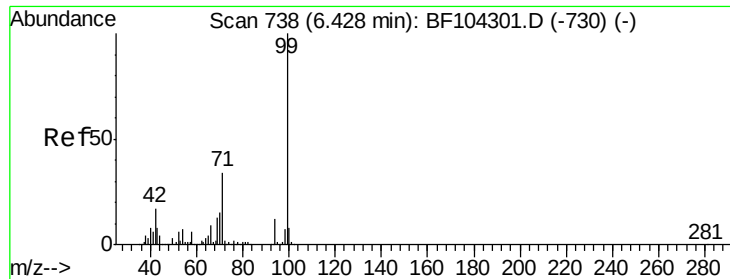
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 95.850 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Tot Ion:	99	Resp:	837766
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	33.8	25.4	38.0

Instrument :

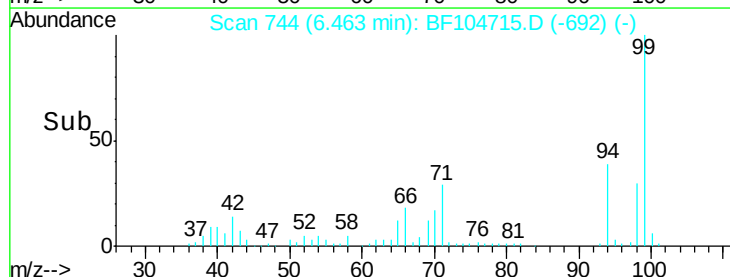
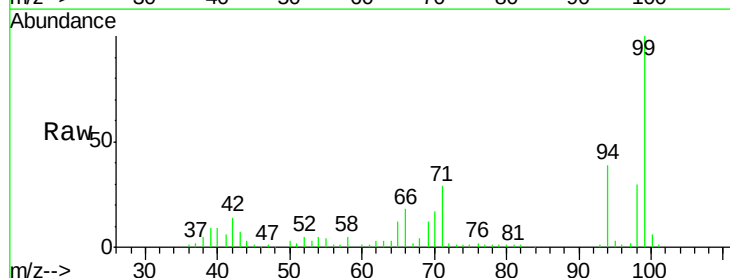
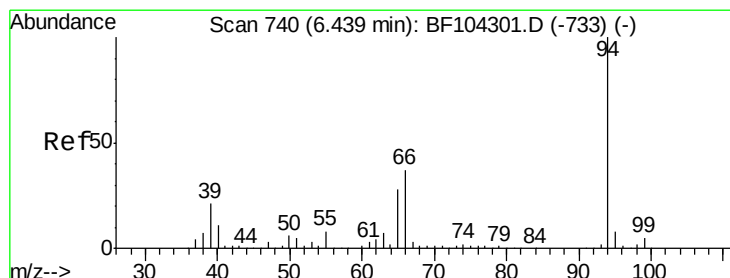
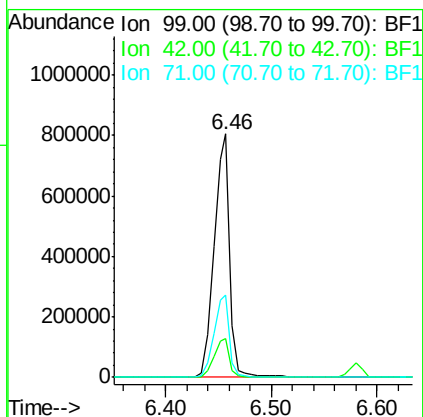
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ClientSampled :

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#10

Phenol

Concen: 5.572 ng

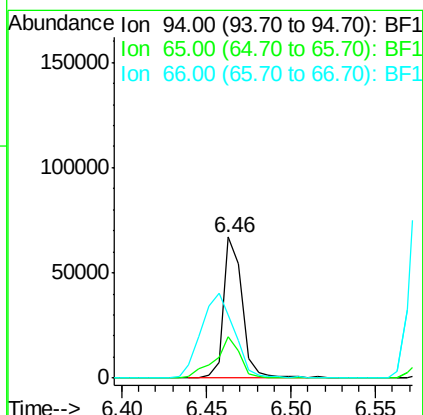
RT: 6.46 min Scan# 744

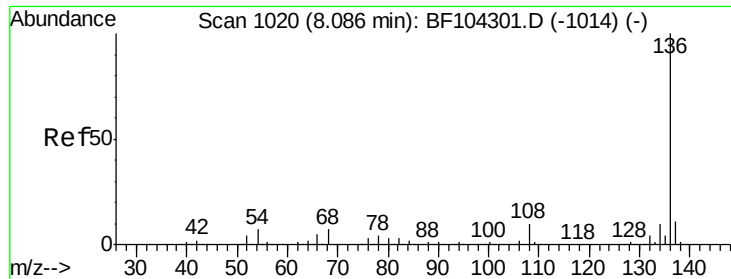
Delta R.T. 0.01 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Tgt Ion:	94	Resp:	51675
Ion Ratio	Lower	Upper	
94	100		
65	29.7	7.9	47.9
66	45.1	16.2	56.2





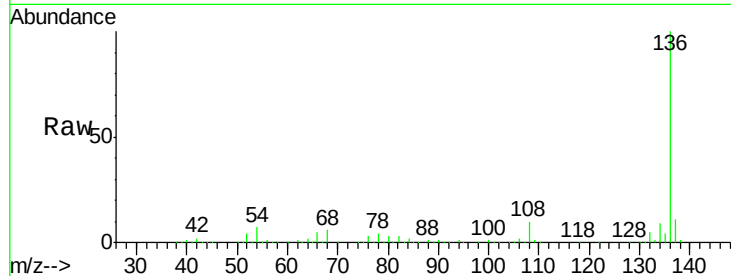
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :
CHRT25773

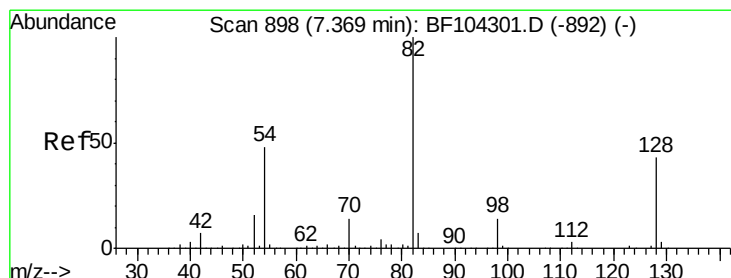
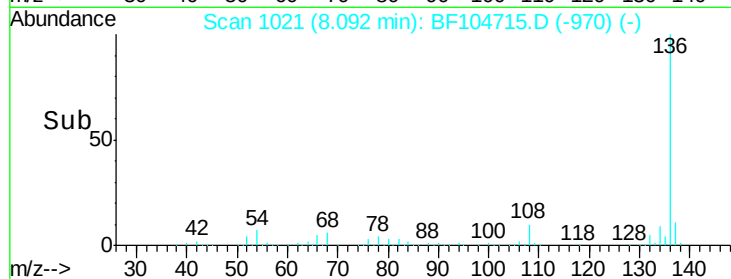
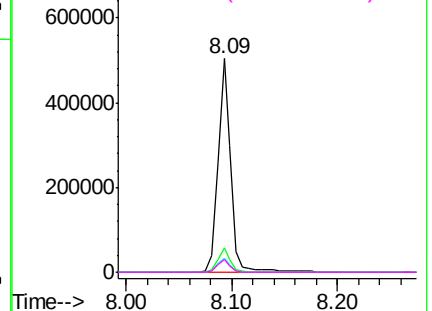
Tot Ion	Ratio	Resp	Lower	Upper
136	100	429994		
137	11.1		8.9	13.3
54	6.9		6.6	9.8
68	6.1		5.0	7.4

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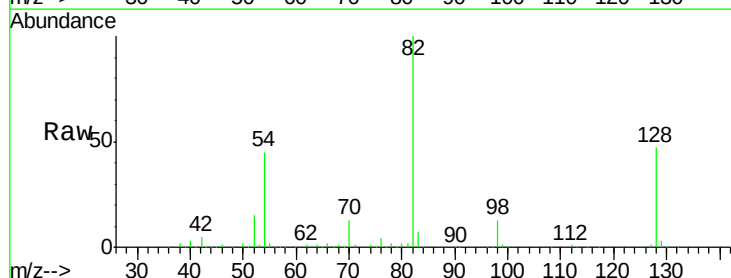


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

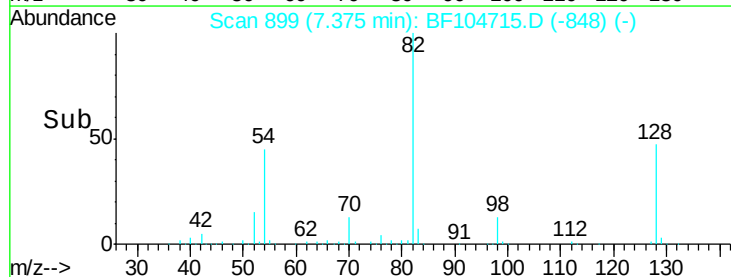
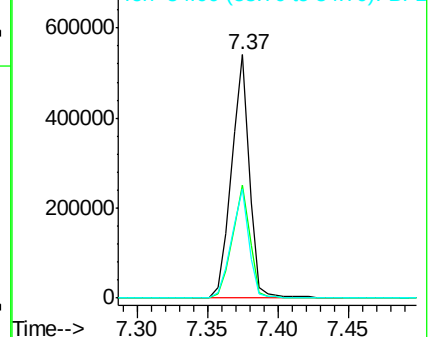


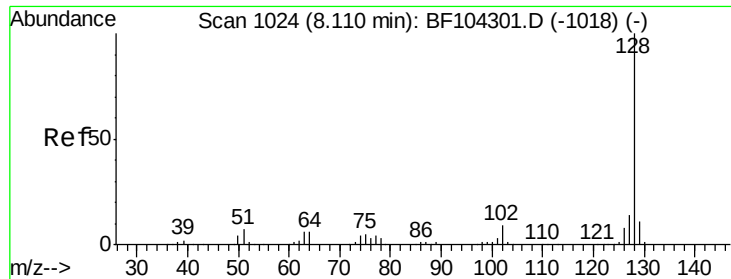
#23
Nitrobenzene-d5
Concen: 72.401 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	476770		
128	46.6		36.1	54.1
54	44.8		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





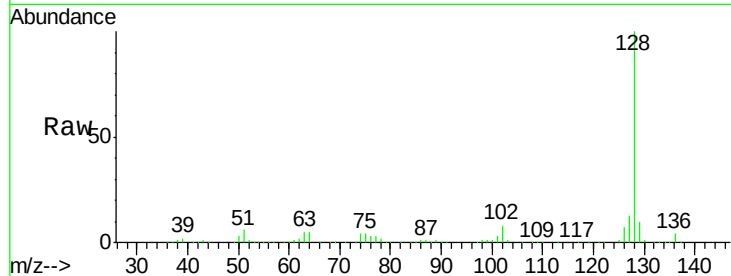
#31
Naphthalene
Concen: 8.669 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :
CHRT25773

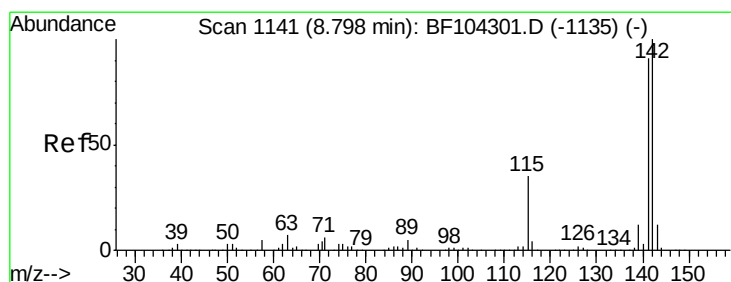
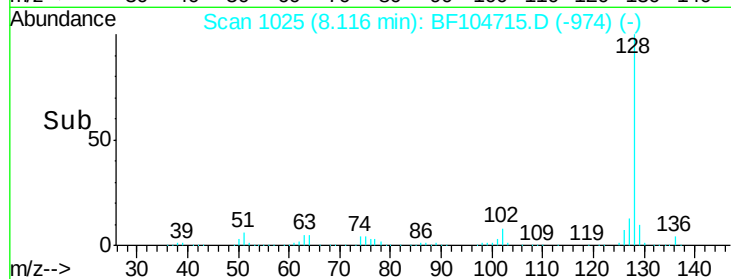
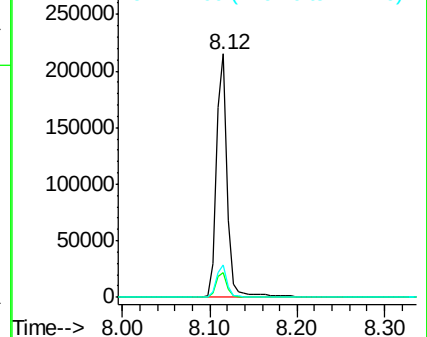
Tot Ion	Ratio	Resp	Lower	Upper
128	100	185623		
129	10.1		8.8	13.2
127	13.5		10.9	16.3

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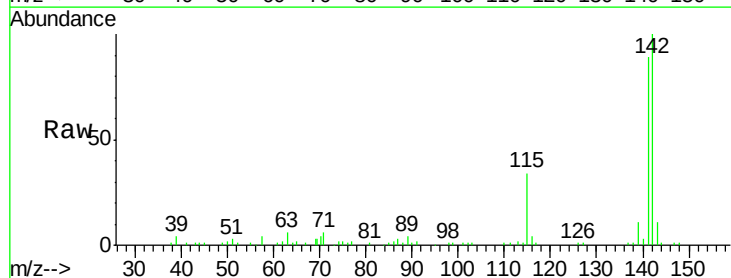


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

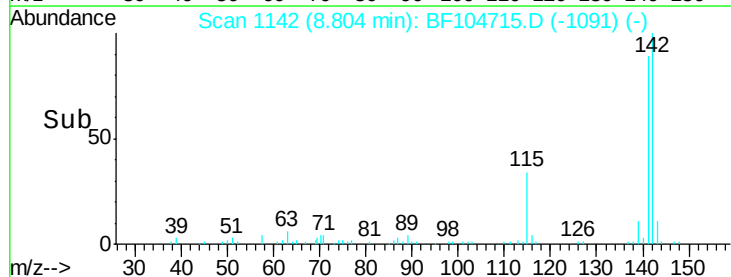
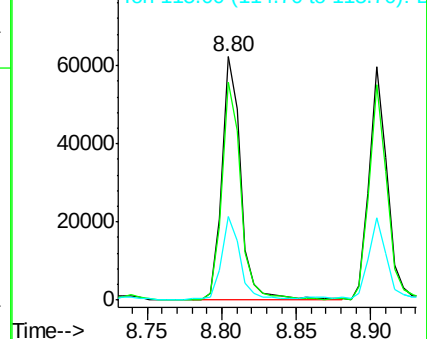


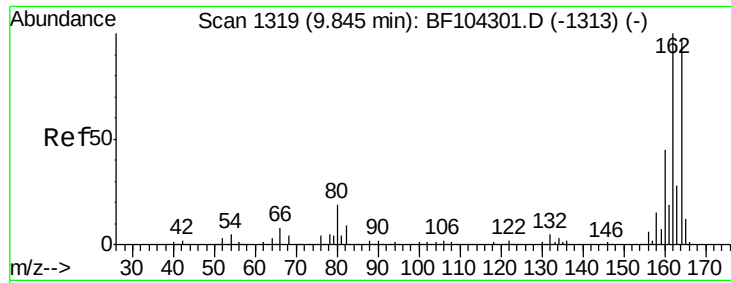
#37
2-Methylnaphthalene
Concen: 4.049 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	56085		
141	89.4		70.8	106.2
115	34.2		26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





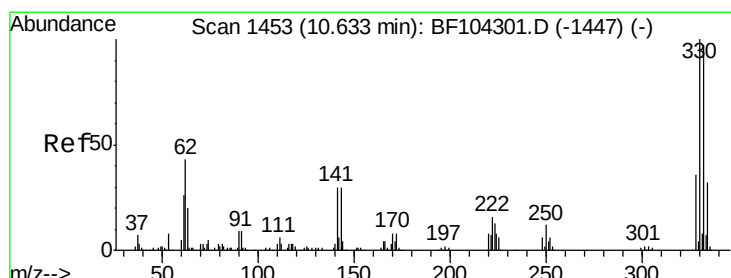
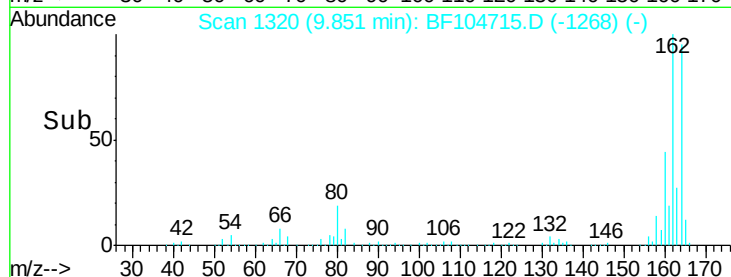
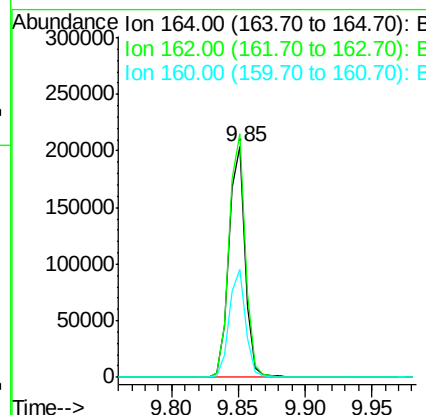
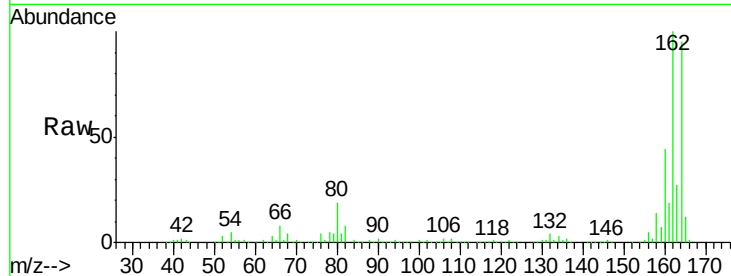
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :
 CHRT25773

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.6	86.1	129.1	
160	46.7	38.3	57.5	

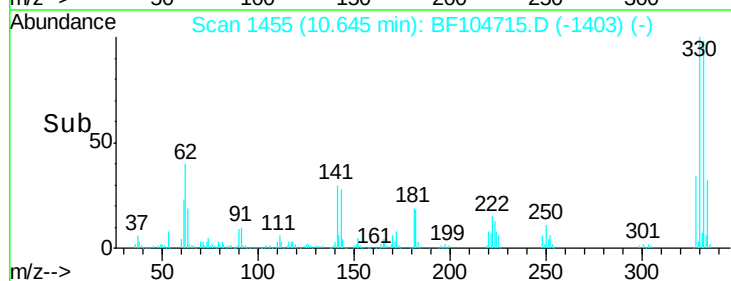
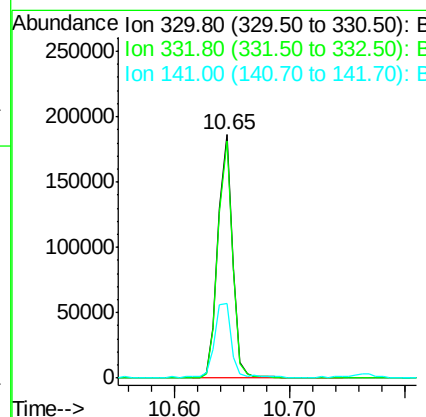
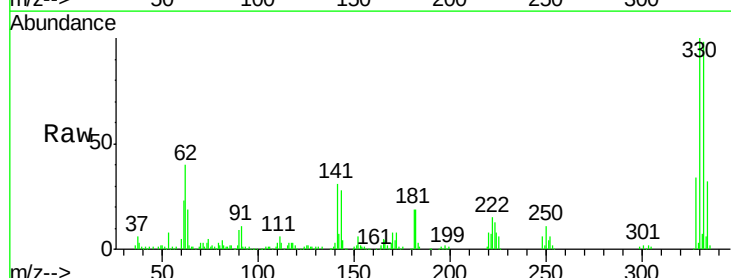
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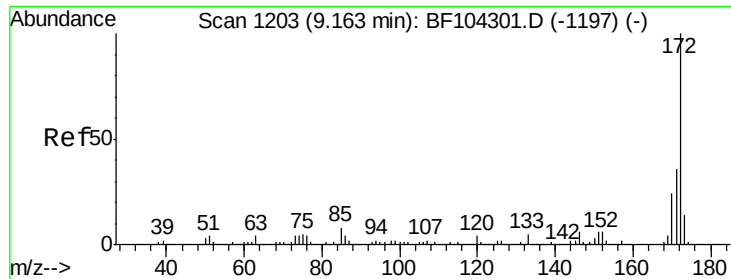
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#41
 2,4,6-Tribromophenol
 Concen: 90.090 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.0	77.0	115.6	
141	35.3	29.9	44.9	





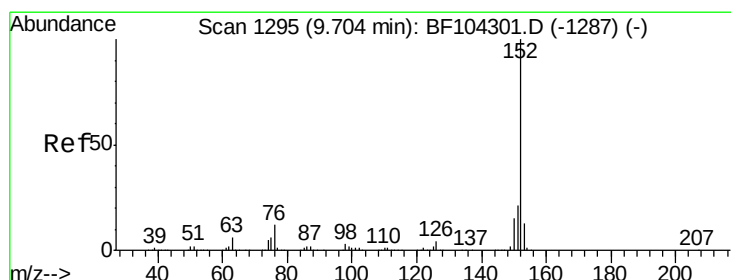
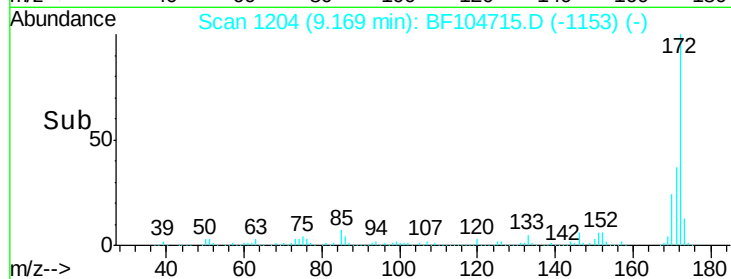
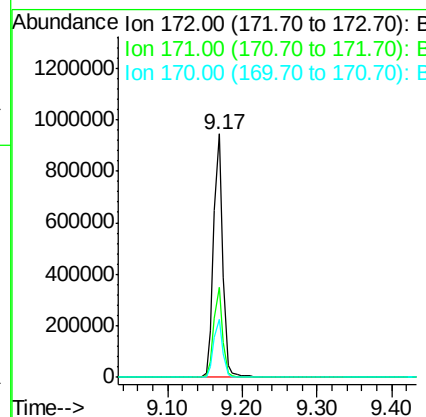
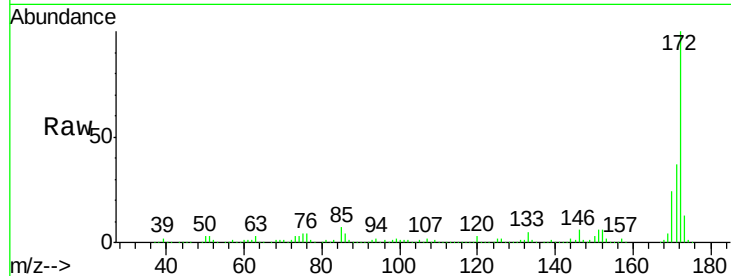
#44
 2-Fluorobiphenyl
 Concen: 72.420 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :
 CHRT25773

Tot Ion	Ratio	Resp	Lower	Upper
172	100	808915		
171	36.8		29.7	44.5
170	24.1		19.6	29.4

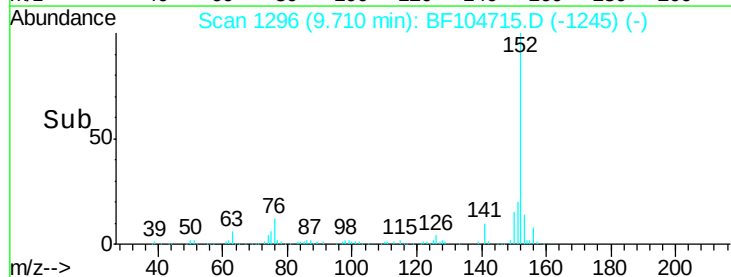
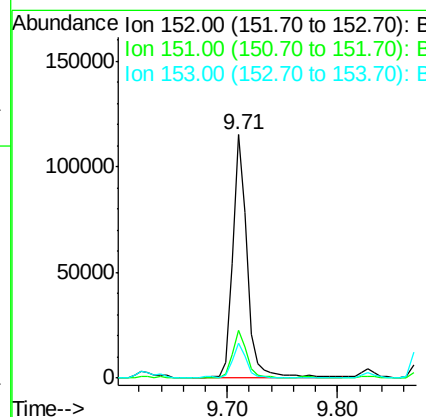
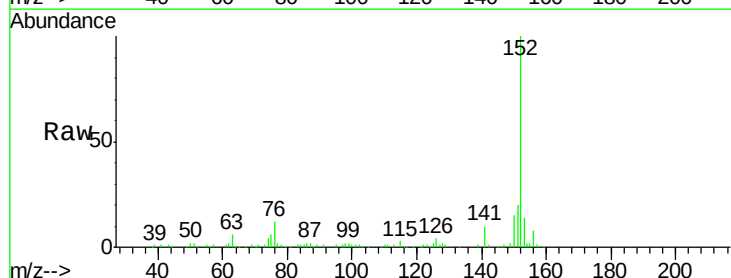
Manual Integrations
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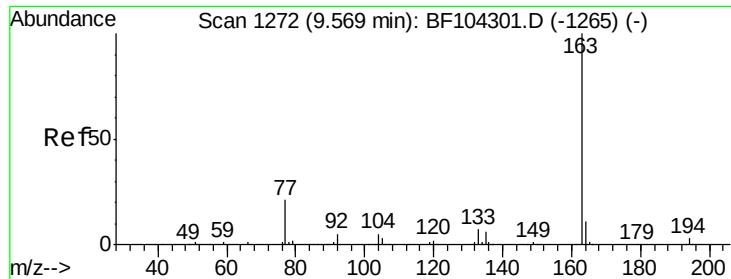
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#48
 Acenaphthylene
 Concen: 5.806 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	106660		
151	19.6		16.3	24.5
153	14.4		10.7	16.1





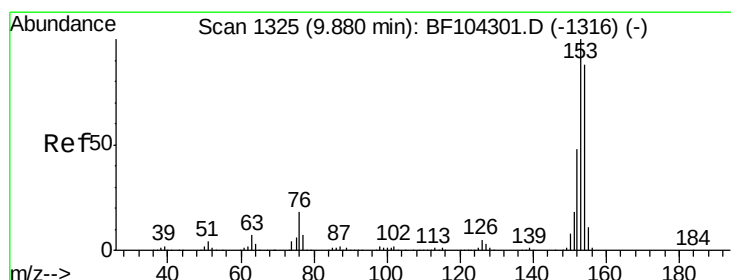
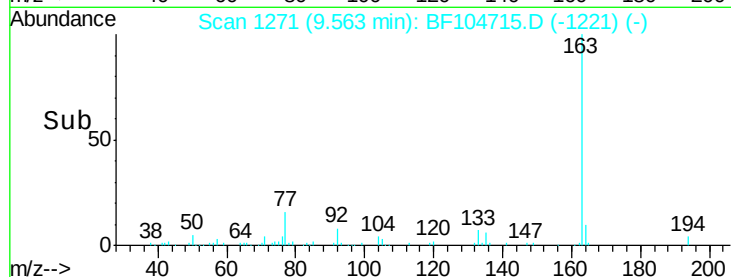
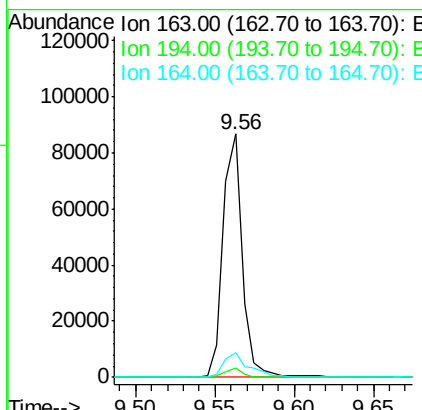
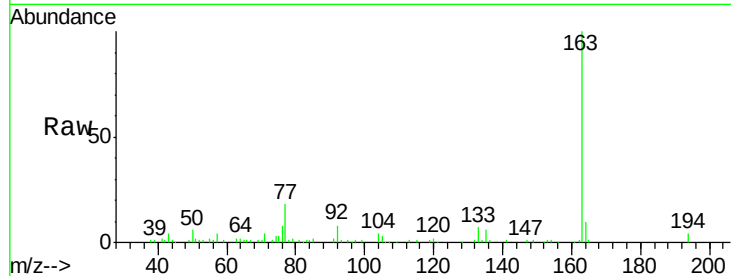
#49
Dimethylphthalate
Concen: 5.248 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :
CHRT25773

Tot Ion:	163	Resp:	73026
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2

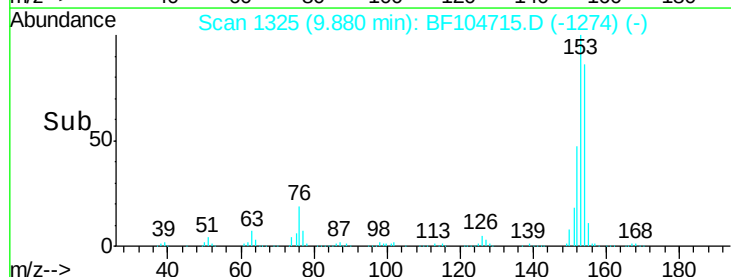
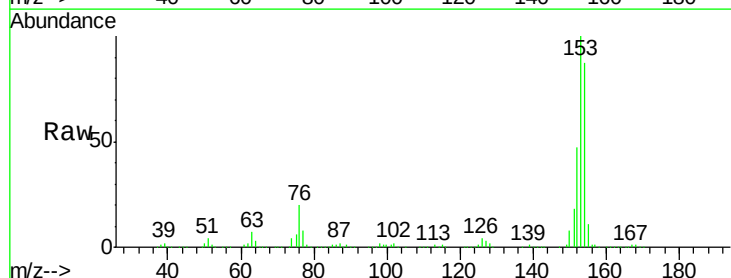
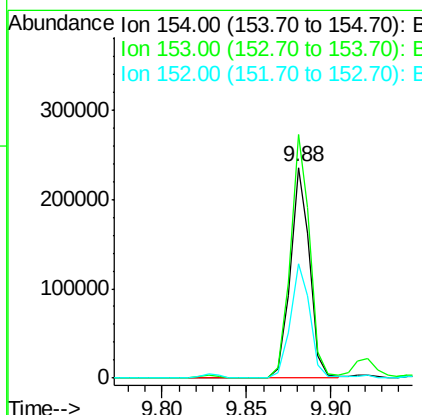
Manual Integrations
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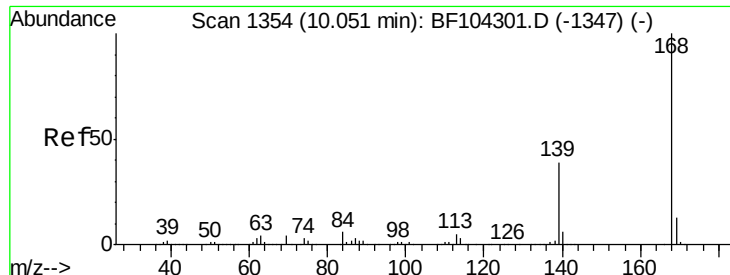
Sohil
4/24/2018 3:48:50 PM



#51
Acenaphthene
Concen: 16.846 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion:	154	Resp:	188819
Ion Ratio	Lower	Upper	
154	100		
153	115.4	91.2	136.8
152	54.2	43.8	65.8





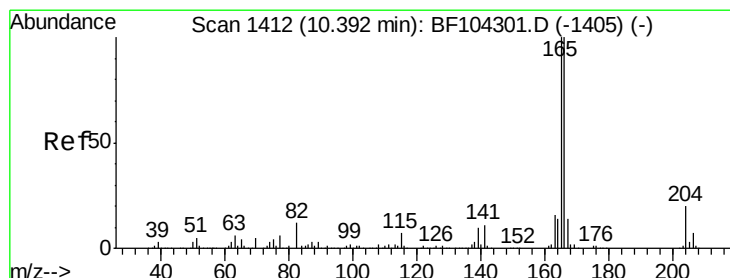
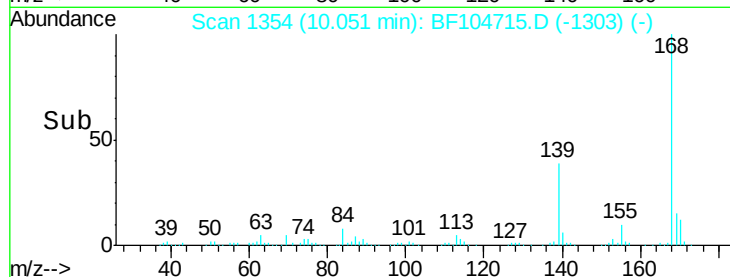
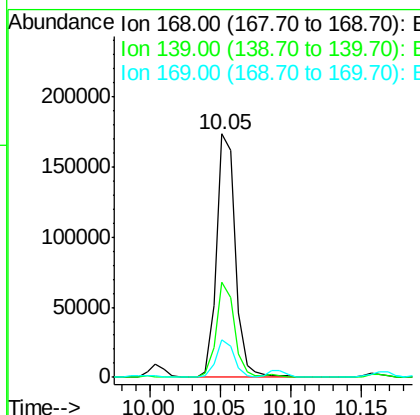
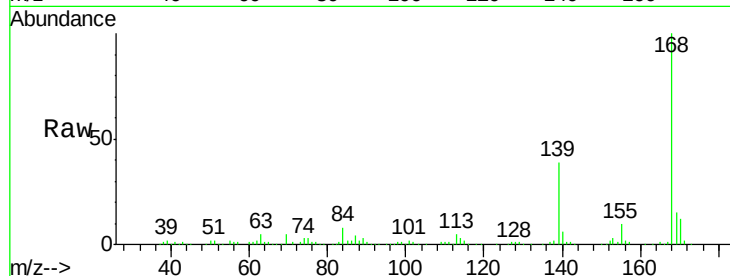
#54
Dibenzenofuran
Concen: 10.265 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :
CHRT25773

Tot Ion	Ratio	Resp	Lower	Upper
168	100	160345		
139	38.9		30.1	45.1
169	15.3		10.9	16.3

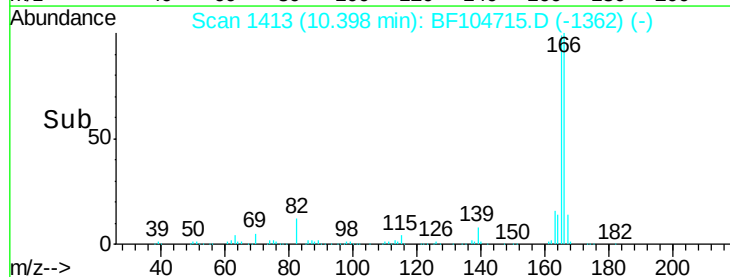
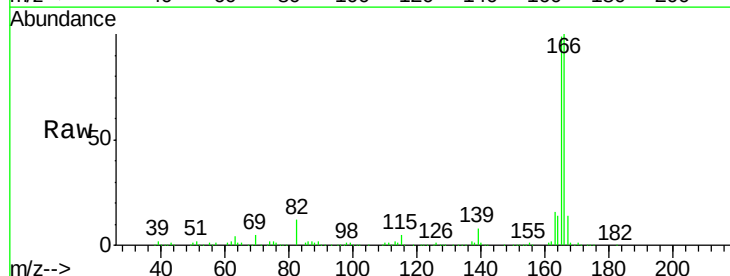
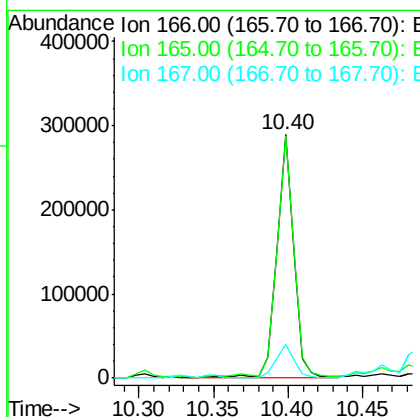
Manual Integrations
APPROVED

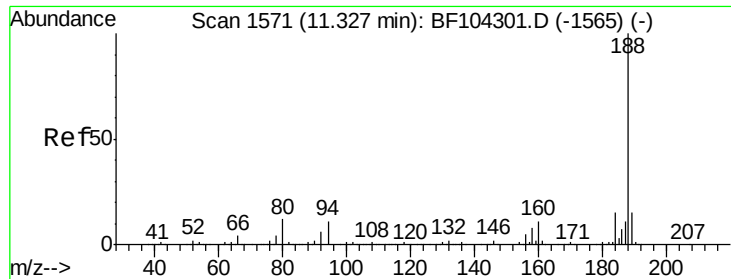
Sohil
4/24/2018 3:48:50 PM



#57
Fluorene
Concen: 19.987 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	227245		
165	99.4		79.8	119.8
167	14.0		10.6	16.0





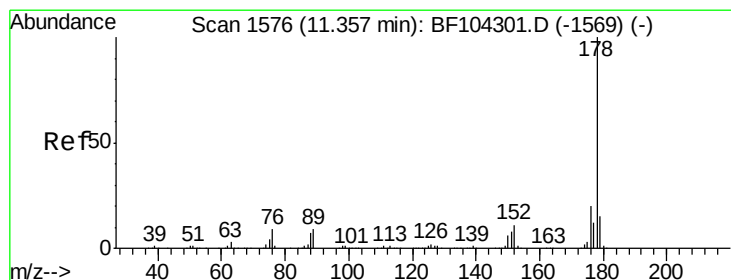
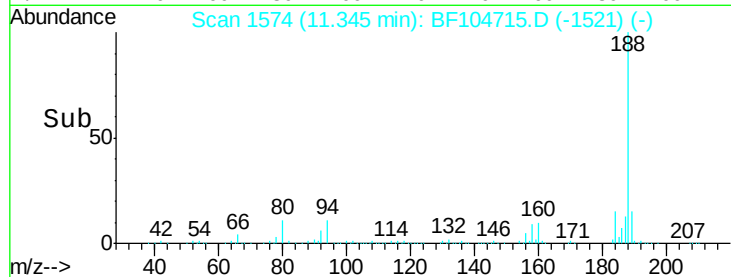
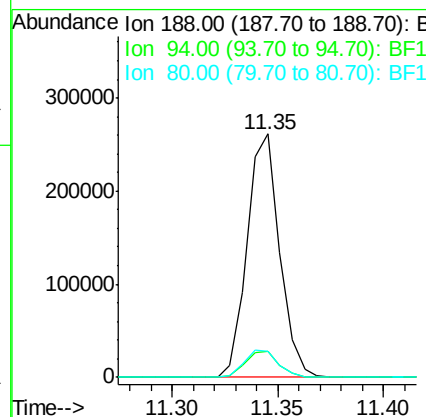
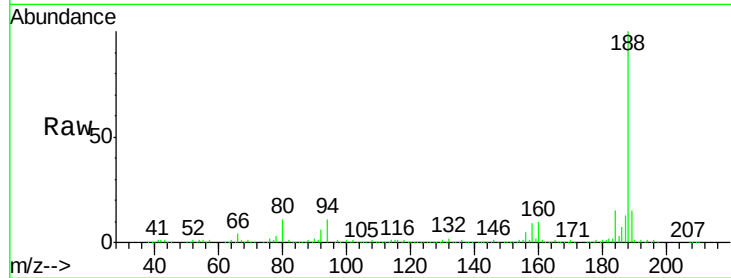
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :
CHRT25773

Tot Ion	Ratio	Resp	Lower	Upper
188	100	277576		
94	10.5		8.5	12.7
80	10.7		9.2	13.8

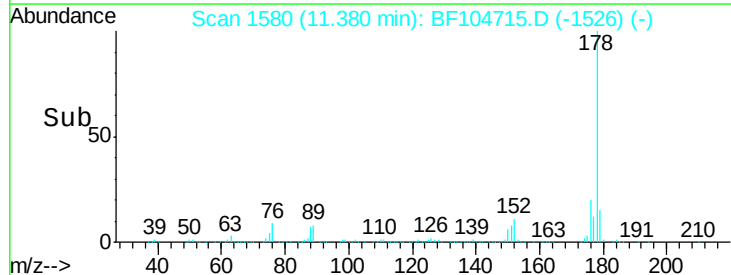
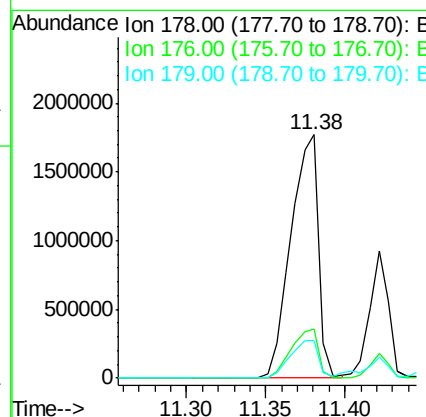
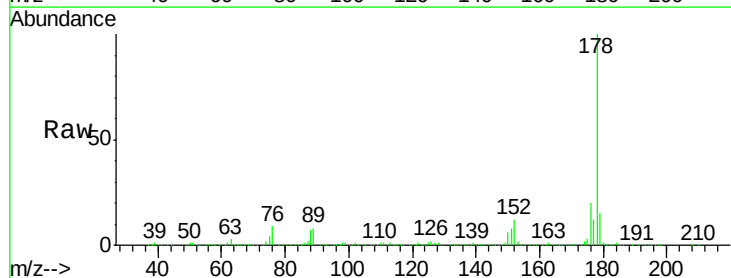
Manual Integrations
APPROVED

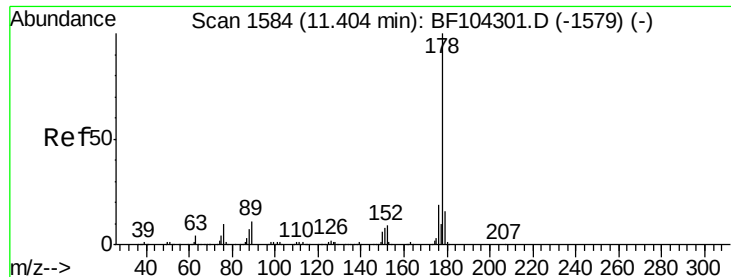
Sohil
4/24/2018 3:48:50 PM



#70
Phenanthrene
Concen: 137.899 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.02 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2131651		
176	20.0		15.8	23.8
179	15.4		13.0	19.6





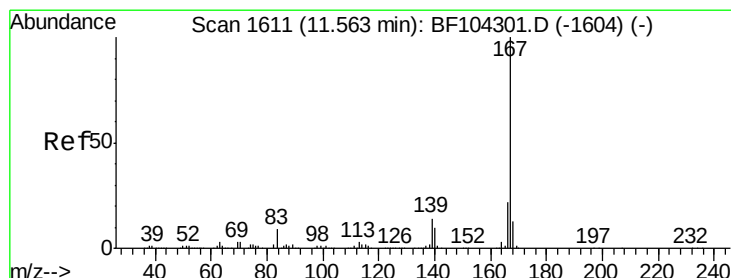
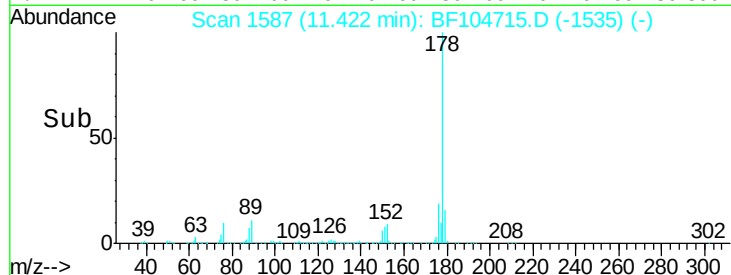
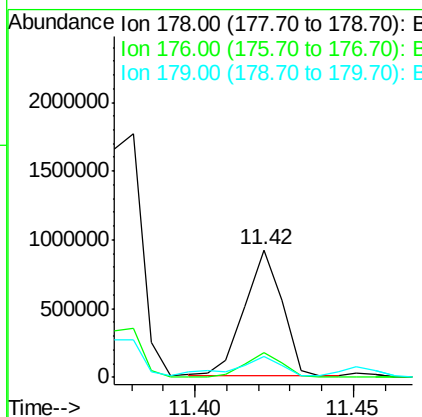
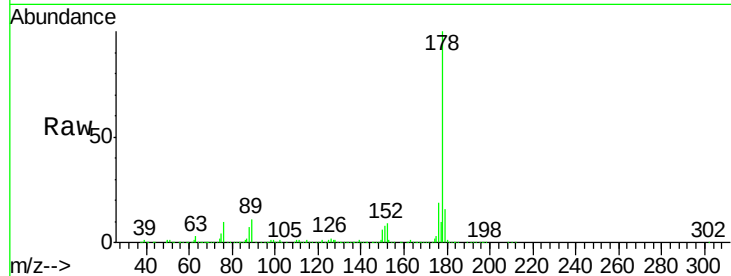
#71
 Anthracene
 Concen: 47.526 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :
 CHRT25773

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.9	12.6	19.0

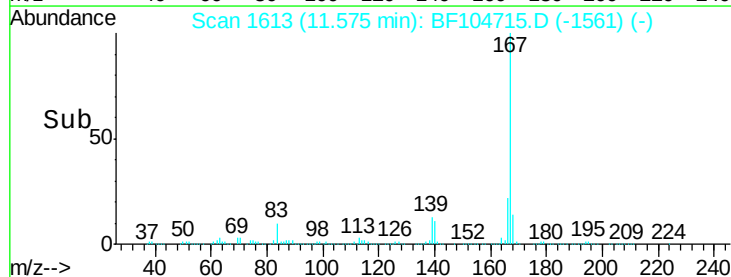
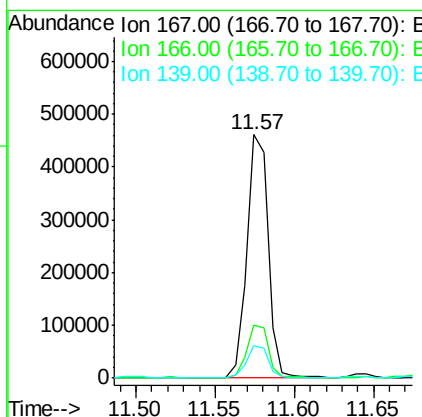
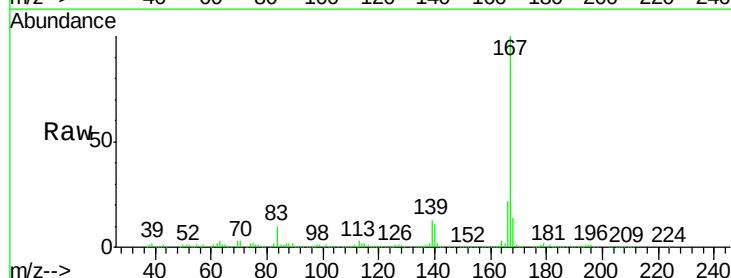
Manual Integrations
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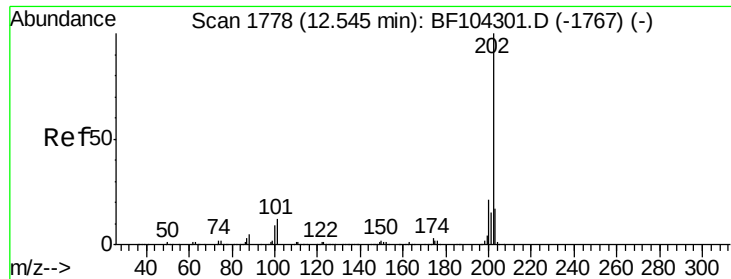
Sohil
 4/24/2018 3:48:50 PM



#72
 Carbazole
 Concen: 27.639 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	13.2	10.9	16.3





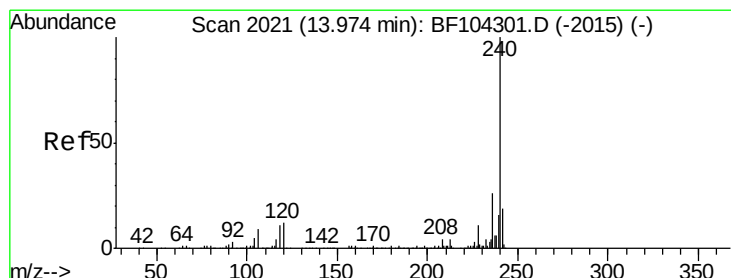
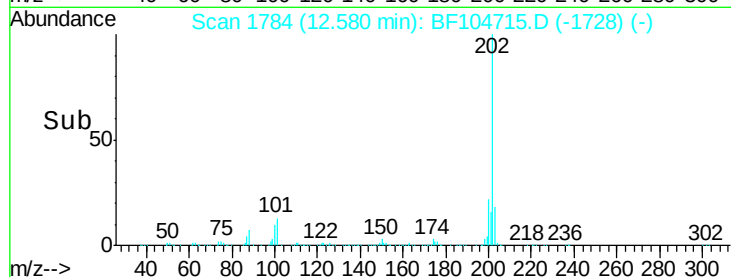
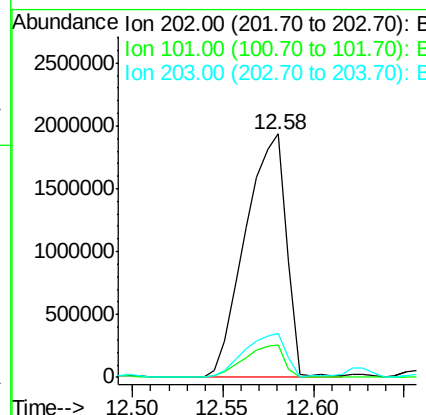
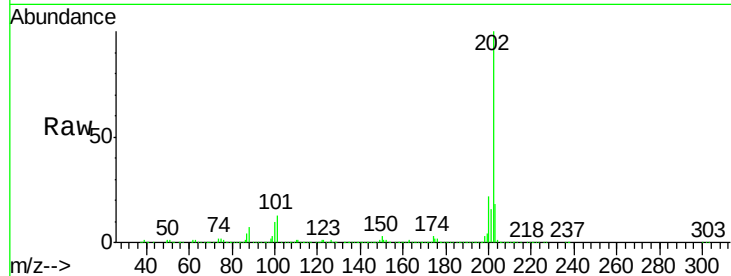
#74
 Fluoranthene
 Concen: 187.945 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.03 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :
 CHRT25773

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	18.2	0.0	38.1

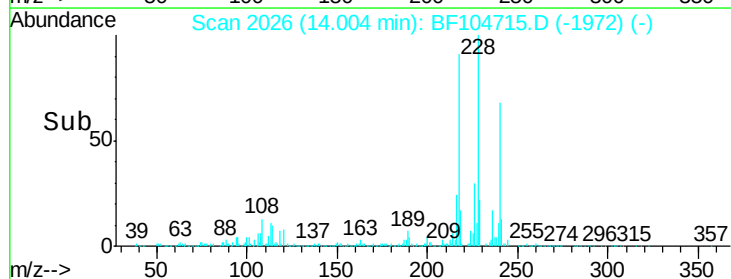
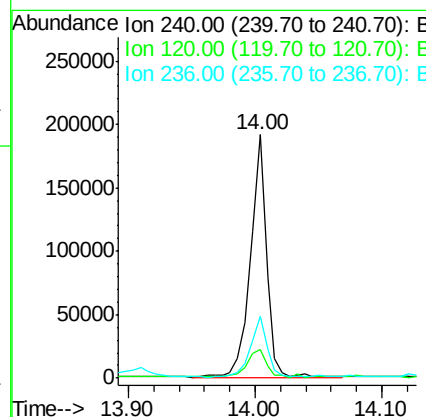
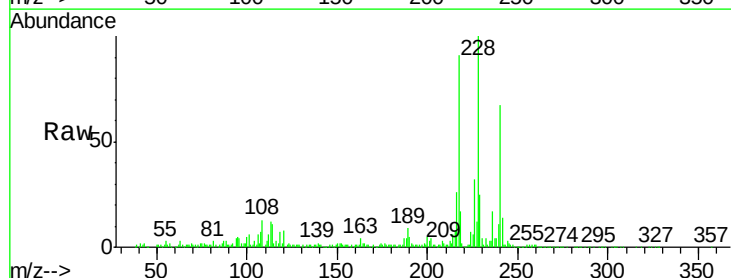
Manual Integrations
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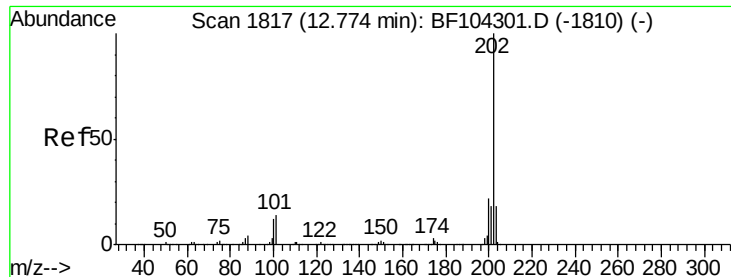
Sohil
 4/24/2018 3:48:50 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.02 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.5	14.3
236	25.6	20.7	31.1





#77

Pvrene

Concen: 220.740 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.03 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

CHRT25773

Tot Ion:202 Resp: 2741019

Ion Ratio Lower Upper

202 100

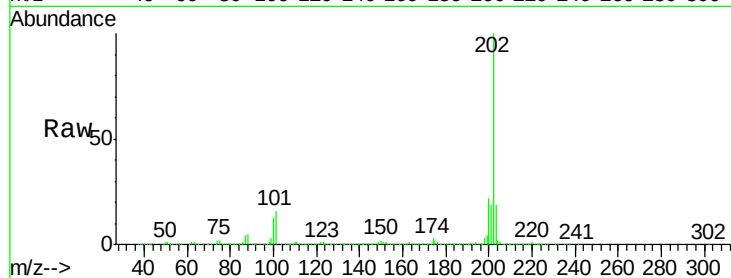
200 22.3 17.4 26.2

203 19.1 14.3 21.5

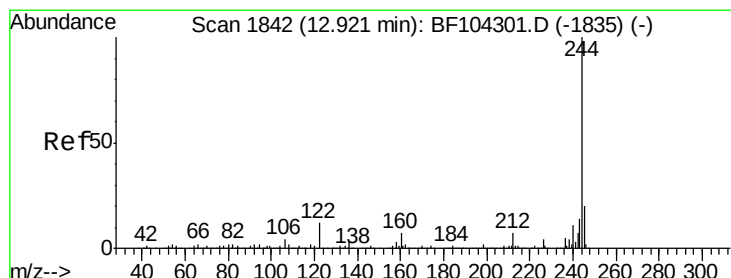
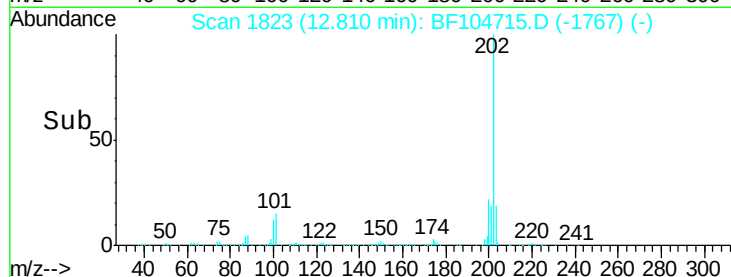
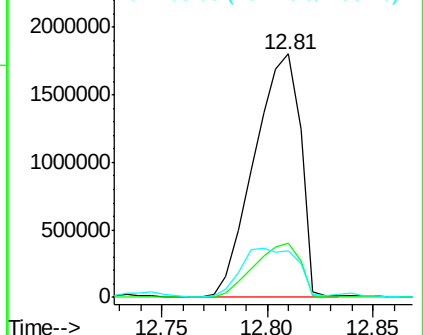
Manual Integrations
APPROVED

Sohil

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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: 84.927 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

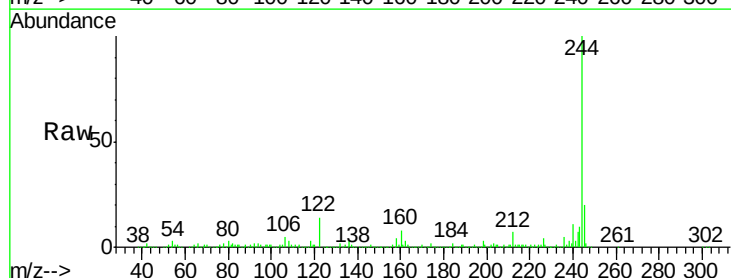
Tgt Ion:244 Resp: 624050

Ion Ratio Lower Upper

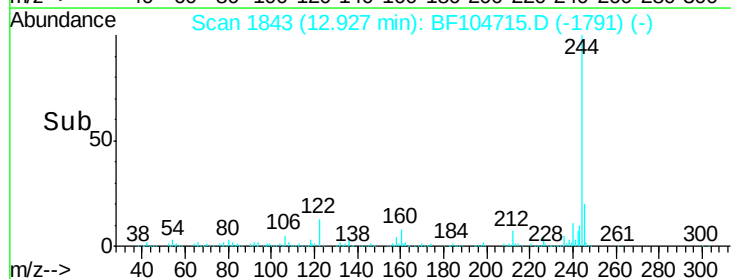
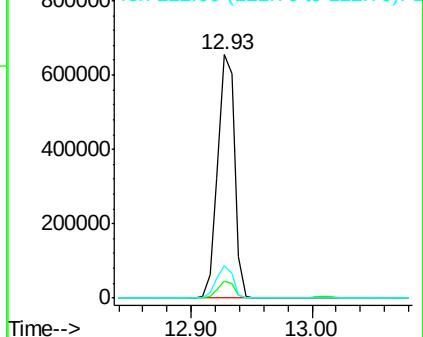
244 100

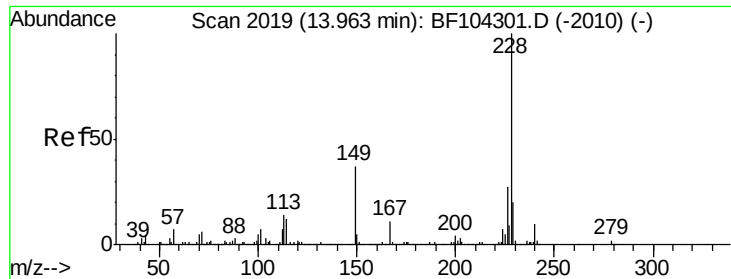
212 7.0 5.4 8.0

122 13.5 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





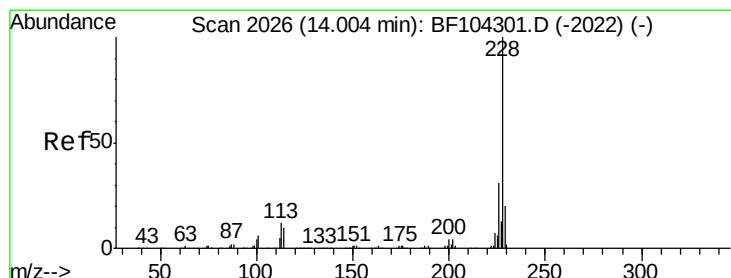
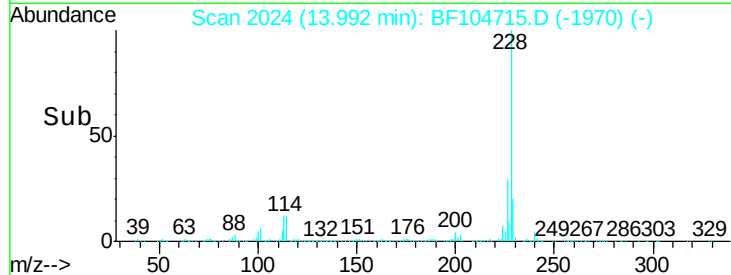
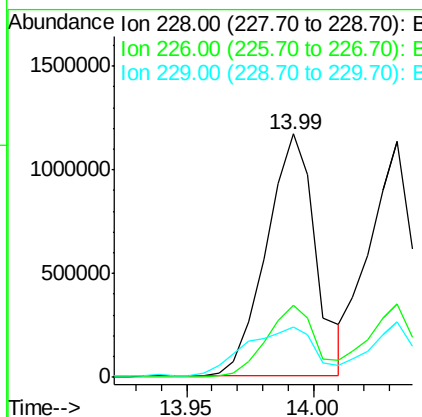
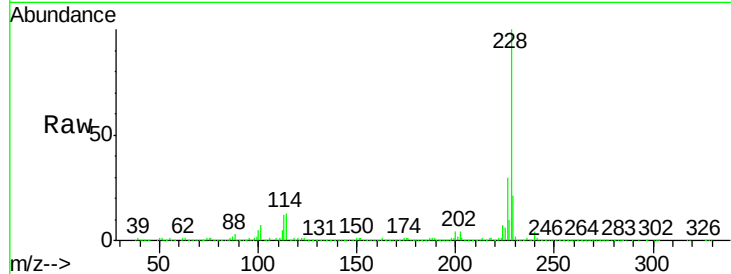
#80
Benzo(a)anthracene
Concen: 159.167 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.02 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :
CHRT25773

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	20.7	15.8	23.6

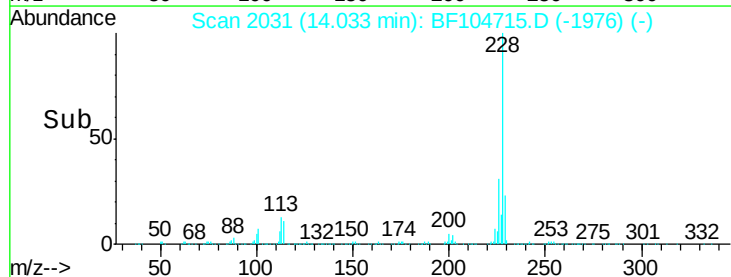
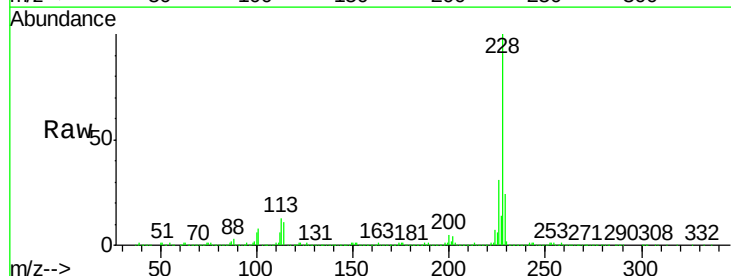
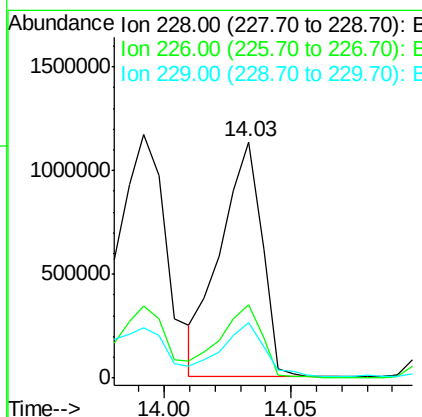
Manual Integrations
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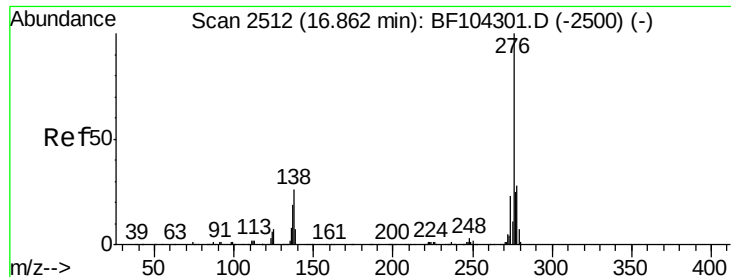
Sohil
4/24/2018 3:48:50 PM



#82
Chrysene
Concen: 125.967 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.02 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	23.5	16.2	24.4





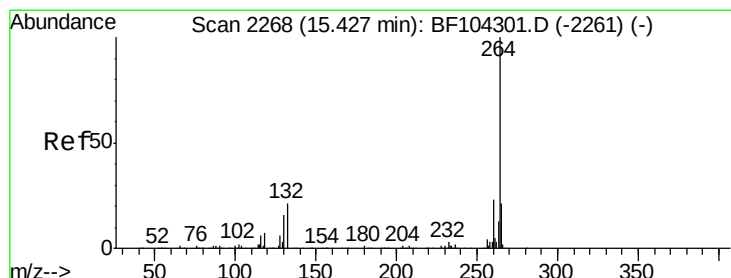
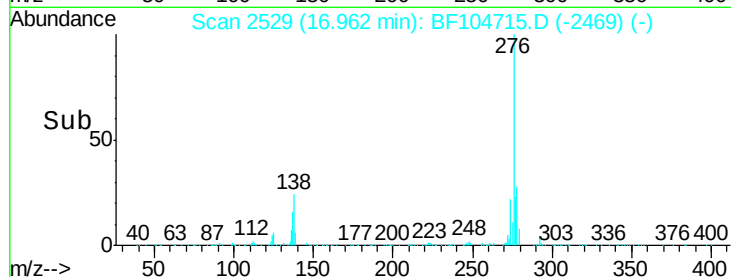
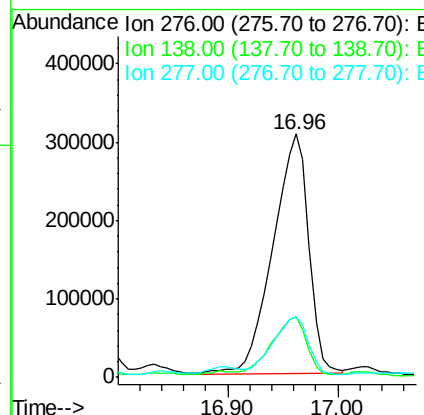
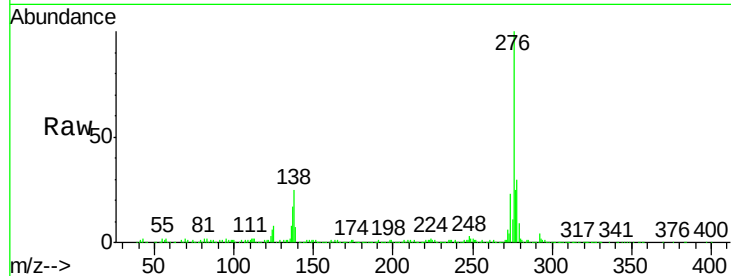
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 79.231 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Instrument :
 BNA_F
 ClientSampleId :
 CHRT25773

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	23.8	20.1	30.1

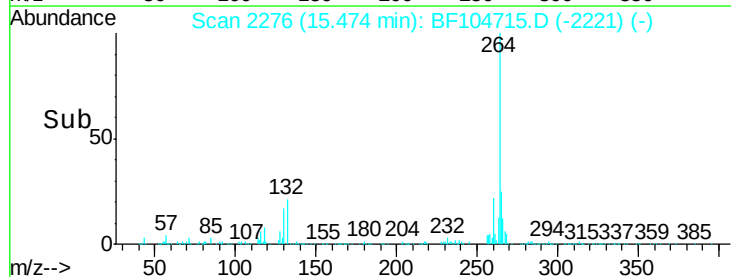
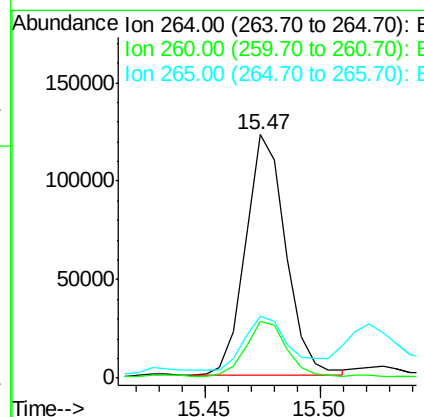
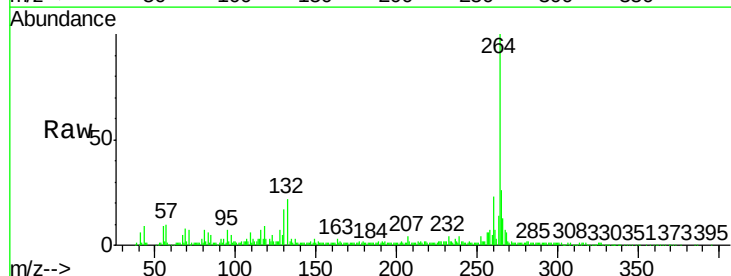
Manual Integrations
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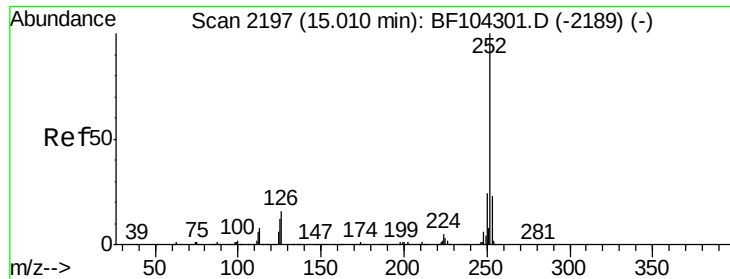
Sohil
 4/24/2018 3:48:50 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.02 min
 Lab File: BF104715.D
 Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	25.5	17.5	26.3





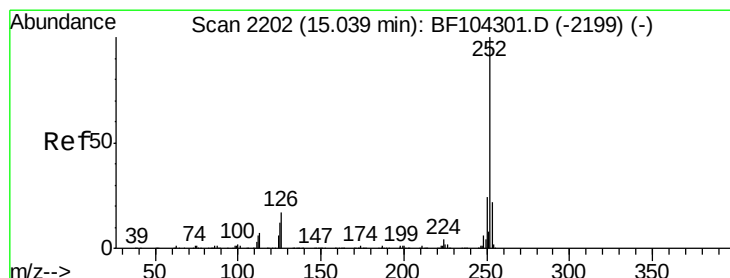
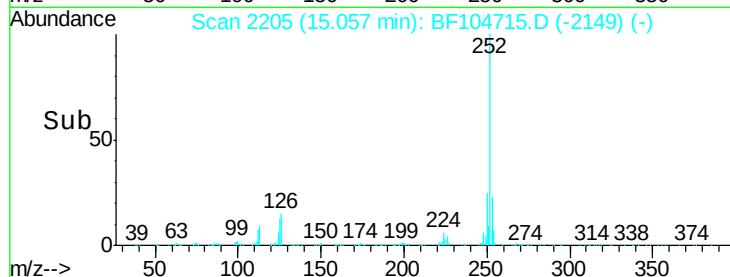
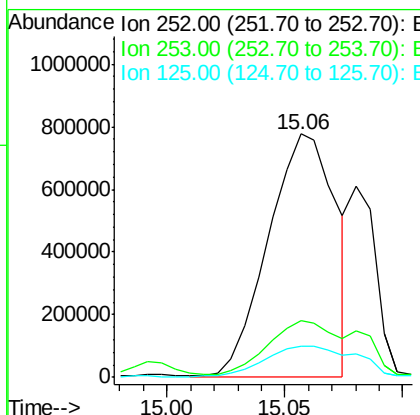
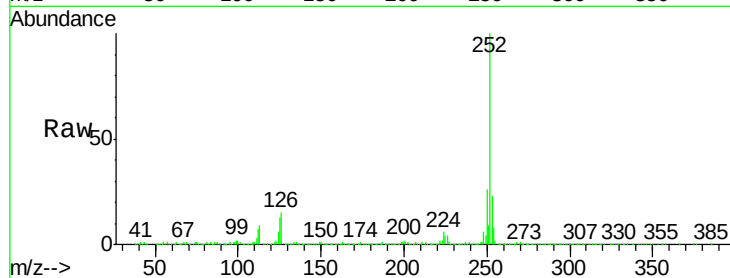
#87
Benzo(b)fluoranthene
Concen: 164.223 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.03 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :
CHRT25773

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.0	9.0	13.6

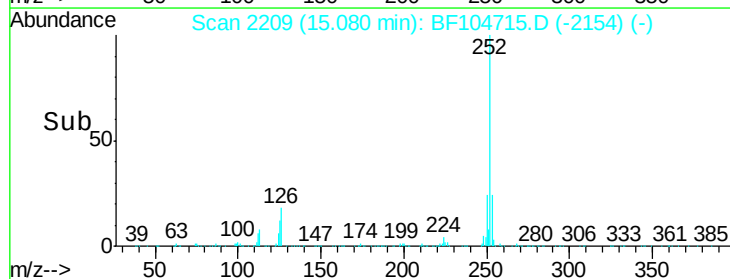
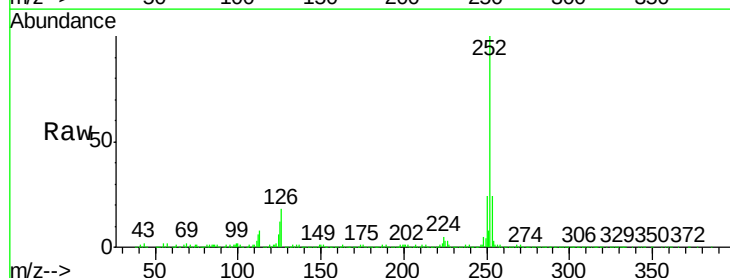
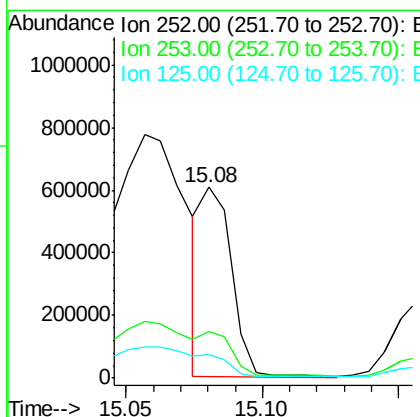
Manual Integrations
APPROVED

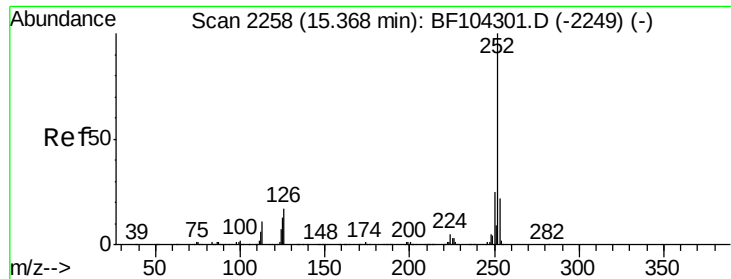
Sohil
4/24/2018 3:48:50 PM



#88
Benzo(k)fluoranthene
Concen: 52.358 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.02 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	12.5	10.2	15.2





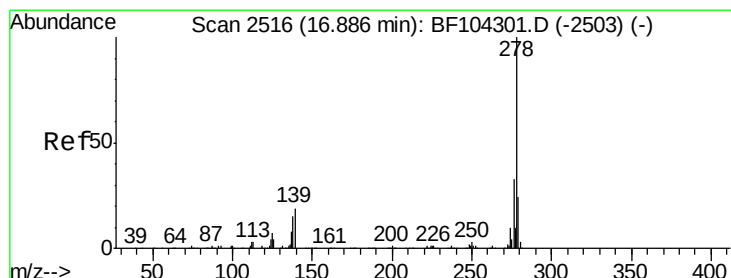
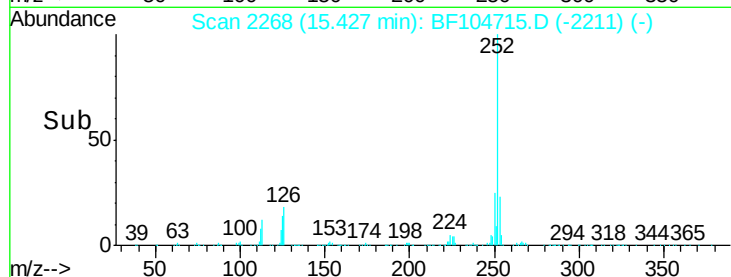
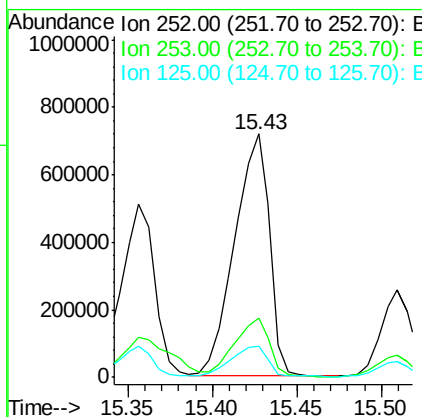
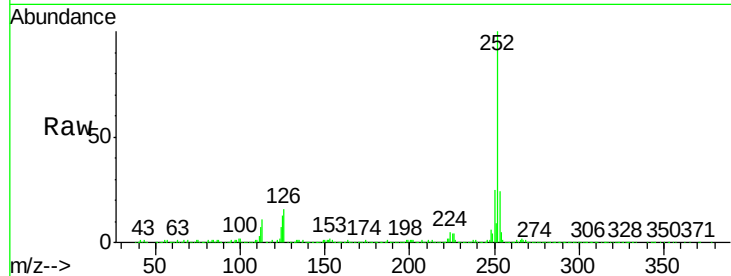
#89
Benzo(a)pyrene
Concen: 123.738 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.04 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Instrument :
BNA_F
ClientSampleId :
CHRT25773

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	13.1	9.8	14.6

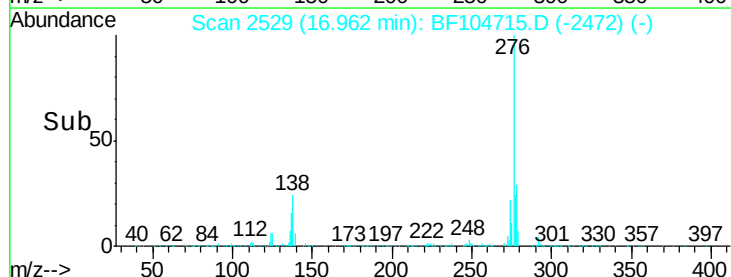
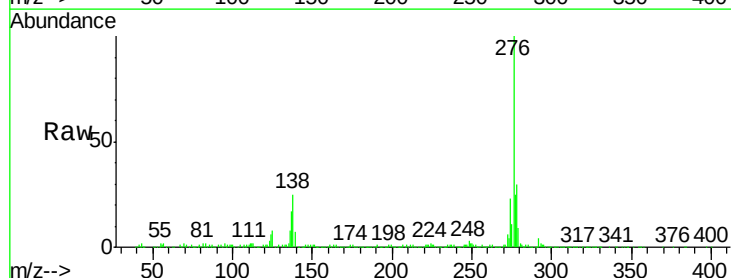
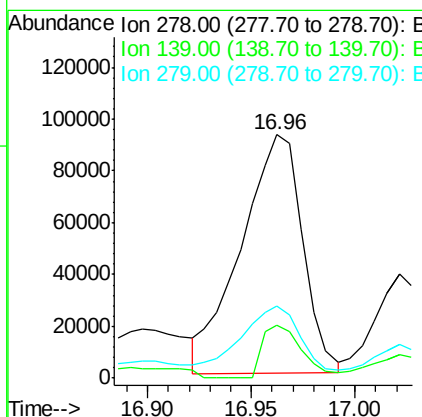
Manual Integrations
APPROVED

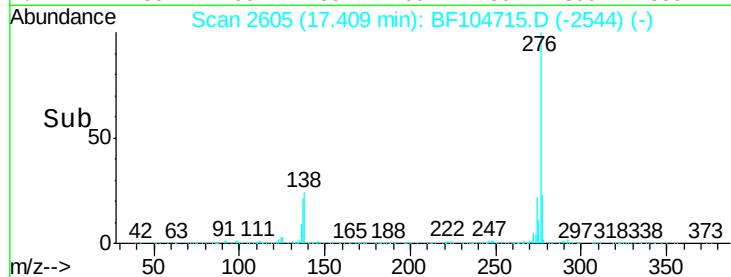
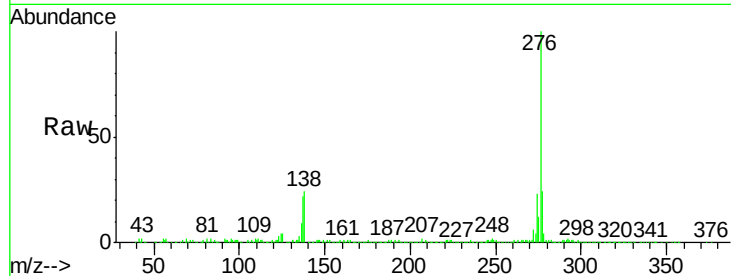
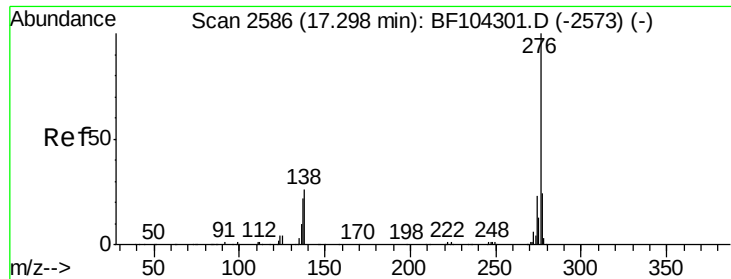
Sohil
4/24/2018 3:48:50 PM



#90
Dibenzo(a,h)anthracene
Concen: 27.726 ng m
RT: 16.96 min Scan# 2529
Delta R.T. 0.04 min
Lab File: BF104715.D
Acq: 23 Apr 2018 17:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.5	15.9	23.9
279	29.6	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 95.046 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.06 min

Lab File: BF104715.D

Acq: 23 Apr 2018 17:48

Instrument :

BNA_F

ClientSampleId :

CHRT25773

Tot Ion: 276 Resp: 635092

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 24.2 21.8 32.8

Manual Integrations

APPROVED

Sohil

4/24/2018 3:48:50 PM

