

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104562.D
 Acq On : 17 Apr 2018 15:45
 Operator : JU/SJ
 Sample : J2394-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSE-GRADE-AGG-RCARE

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:00:26 PM

Quant Time: Apr 17 17:16:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129908	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	541453	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	247781	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	426955	20.00	ng	0.00
75) Chrysene-d12	13.97	240	257992	20.00	ng	0.00
86) Perylene-d12	15.44	264	282579	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	152053	17.90	ng	0.00
7) Phenol-d6	6.44	99	677402	64.89	ng	0.00
23) Nitrobenzene-d5	7.37	82	669422	80.73	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	2892	1.13	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1156391	73.73	ng	0.00
78) Terphenyl-d14	12.92	244	957757	84.64	ng	0.00
Target Compounds						
10) Phenol	6.45	94	43881	3.962	ng	97
49) Dimethylphthalate	9.56	163	201025	10.288	ng	100
70) Phenanthrene	11.36	178	195949	8.241	ng	97
73) Di-n-butylphthalate	11.89	149	63433	2.199	ng	99
74) Fluoranthene	12.55	202	202191	8.139	ng	97
77) Pyrene	12.77	202	183975	9.620	ng	99
80) Benzo(a)anthracene	13.96	228	73013	4.737	ng	96
82) Chrysene	14.00	228	66372	4.192	ng	97
85) Indeno(1,2,3-cd)pyrene	16.88	276	46043	3.424	ng	96
87) Benzo(b)fluoranthene	15.02	252	91649m	5.135	ng	
89) Benzo(a)pyrene	15.37	252	65001	4.071	ng	# 93
91) Benzo(a,h,i)perylene	17.32	276	48749	3.837	ng	97

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

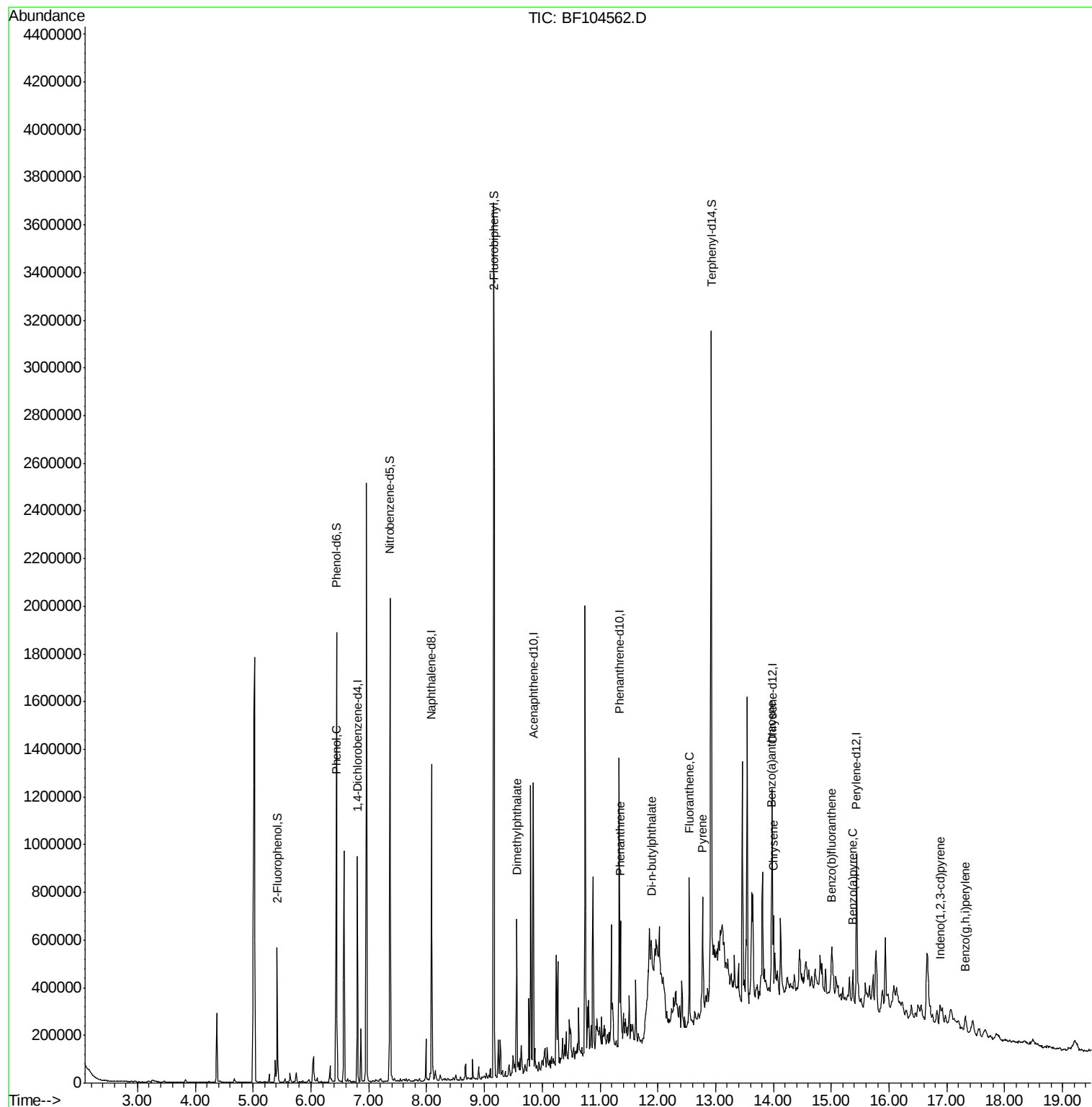
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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ALS Vial : 3 Sample Multiplier: 1

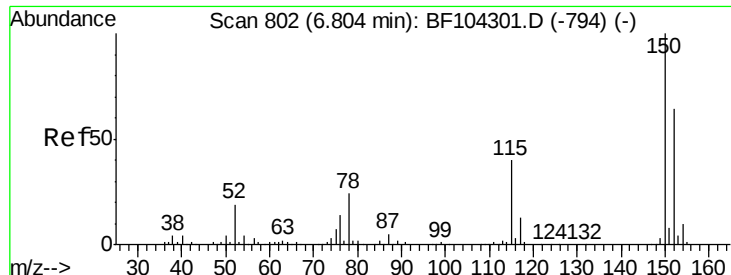
Instrument :
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1-1-2-DENSE-GRADE-AGG-RCARE

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#1

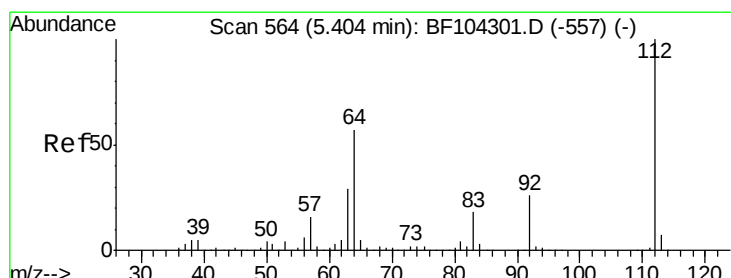
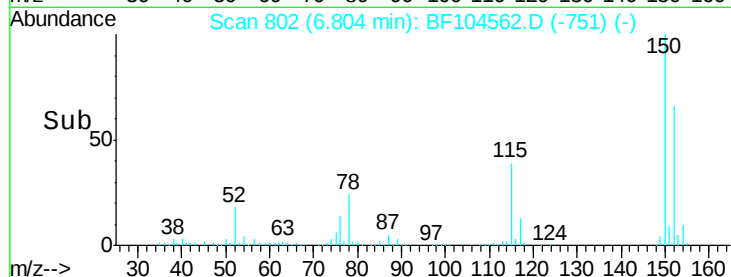
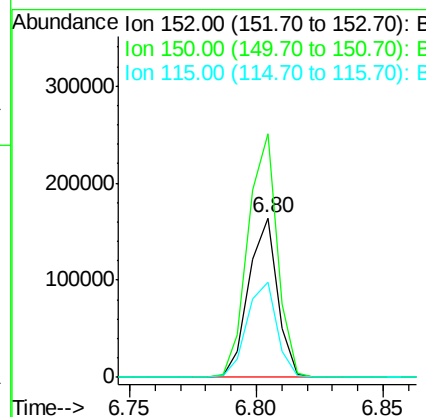
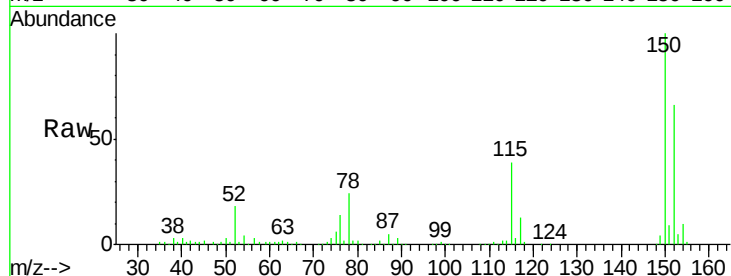
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	59.9	50.1	75.1

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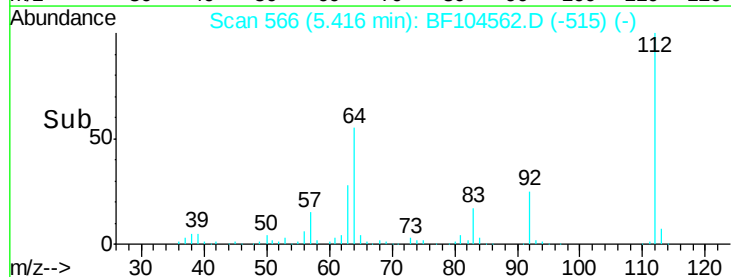
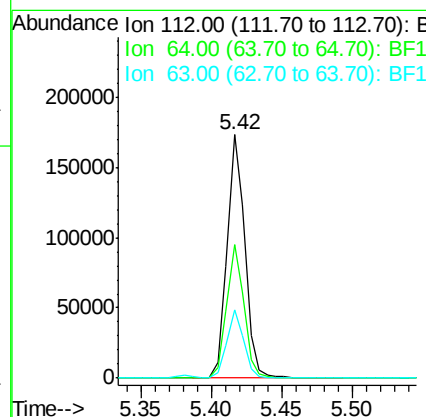
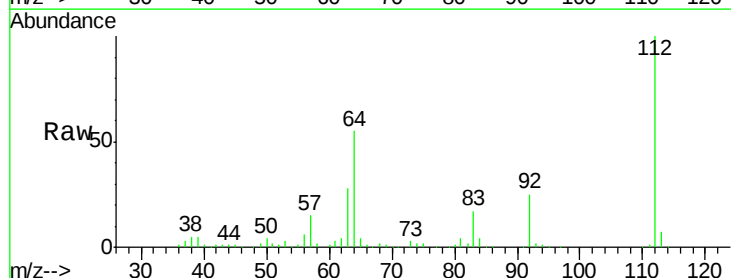
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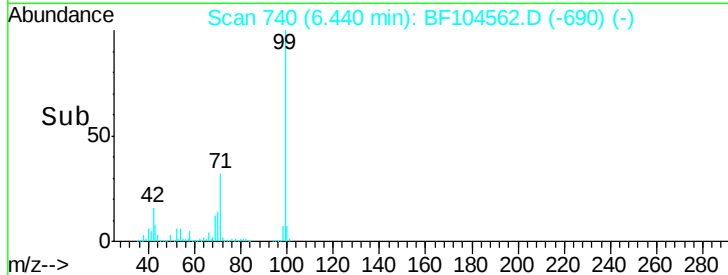
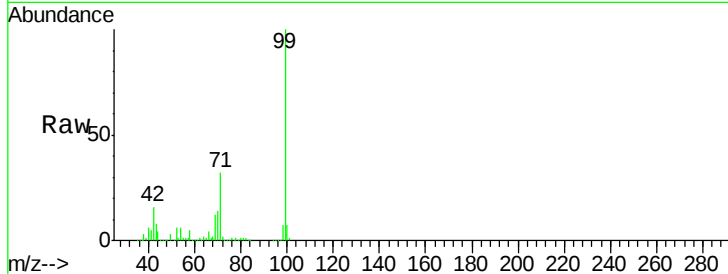
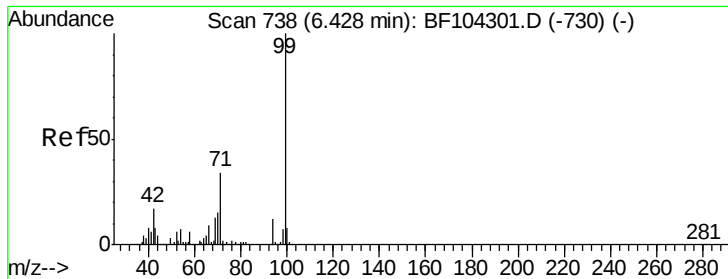


#5

2-Fluorophenol
Concen: 17.897 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 64.893 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Tot Ion:	99	Resp:	677402
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.5	21.7
71	32.2	25.4	38.0

Instrument :

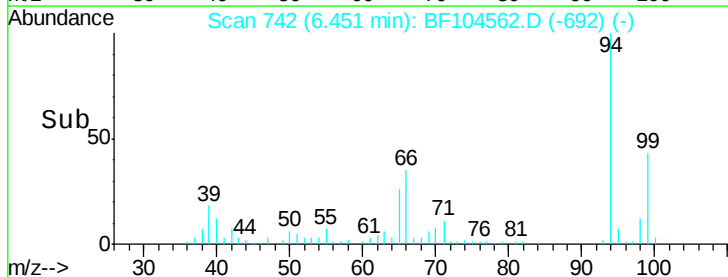
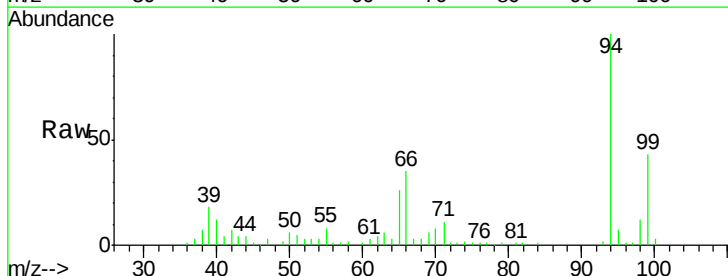
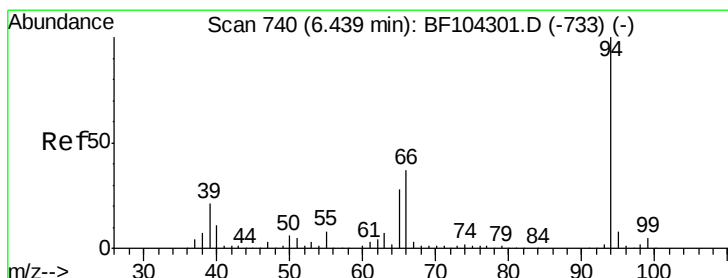
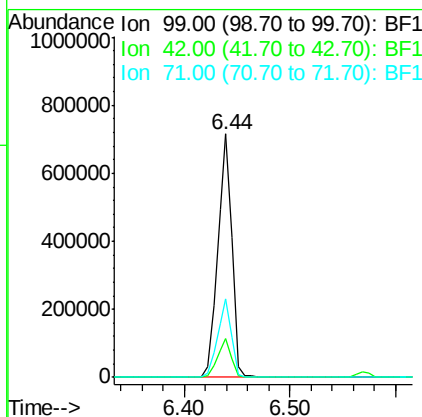
BNA_F

ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCARE

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#10

Phenol

Concen: 3.962 ng

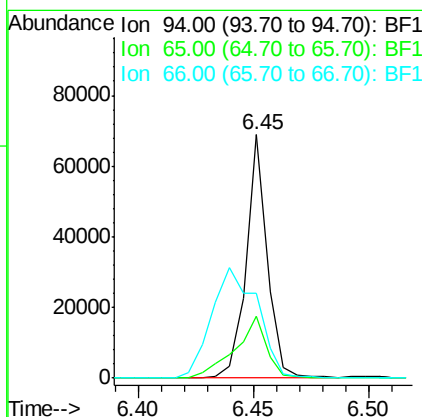
RT: 6.45 min Scan# 742

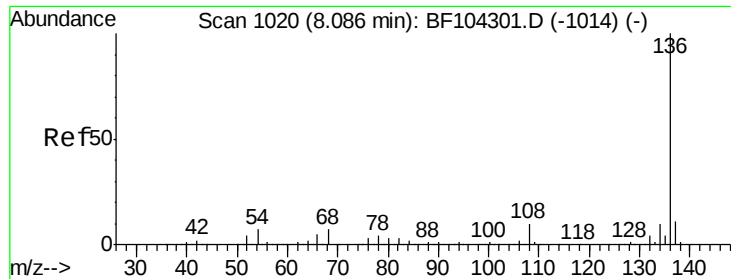
Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Tgt Ion:	94	Resp:	43881
Ion Ratio	Lower	Upper	
94	100		
65	25.6	7.9	47.9
66	34.6	16.2	56.2





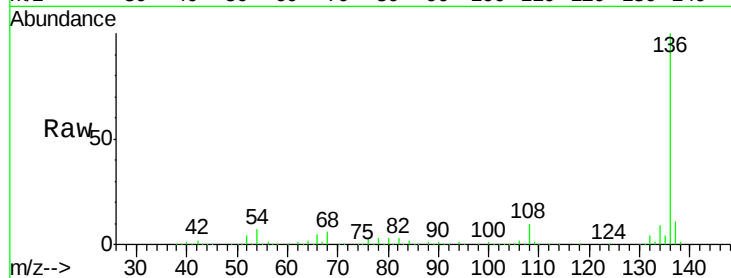
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCARE

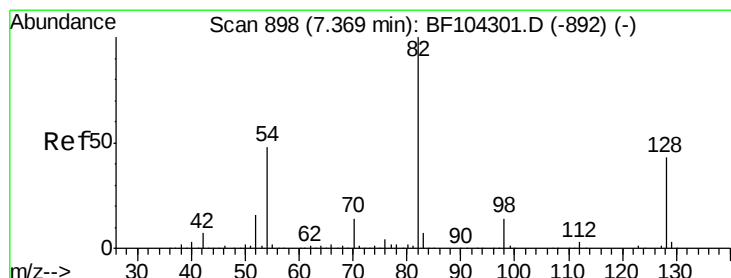
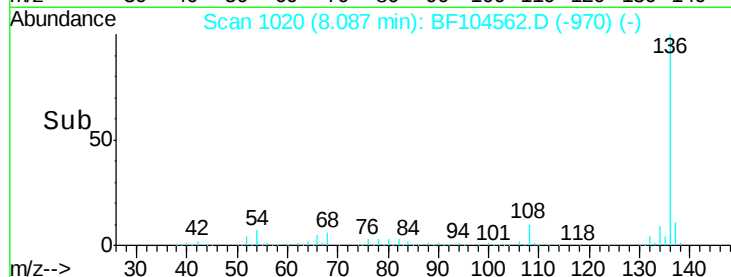
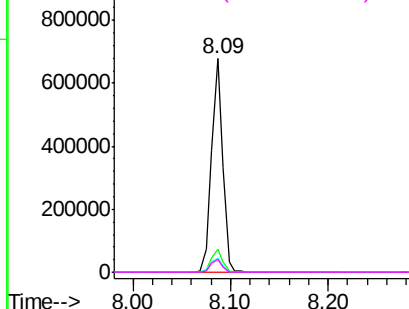
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.8		8.9	13.3	
54	6.9		6.6	9.8	
68	6.2		5.0	7.4	

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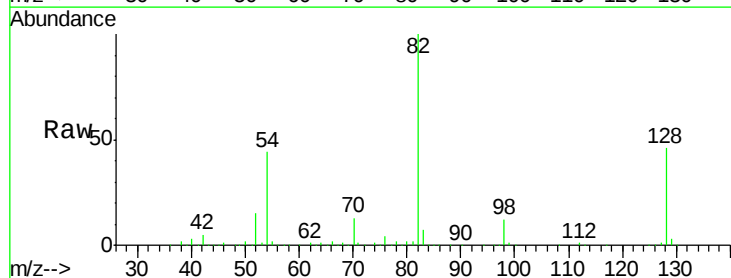


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

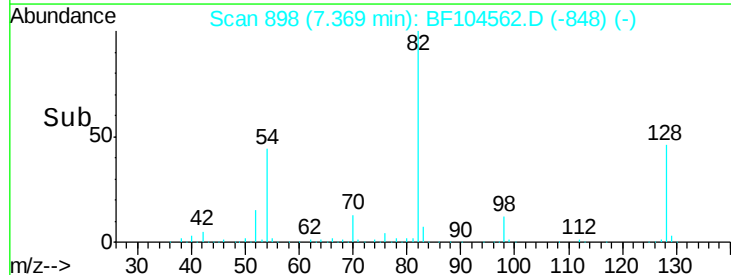
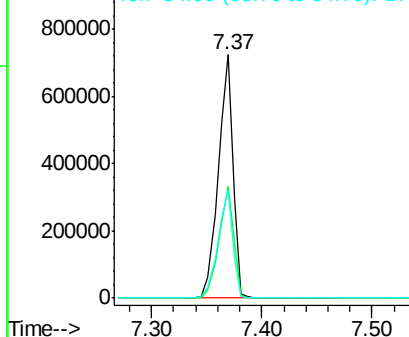


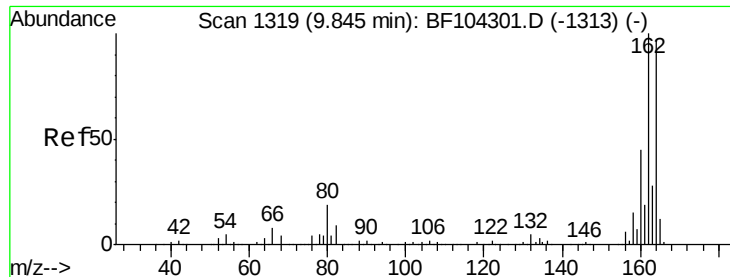
#23
Nitrobenzene-d5
Concen: 80.731 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	45.8		36.1	54.1	
54	44.3		41.4	62.2	



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





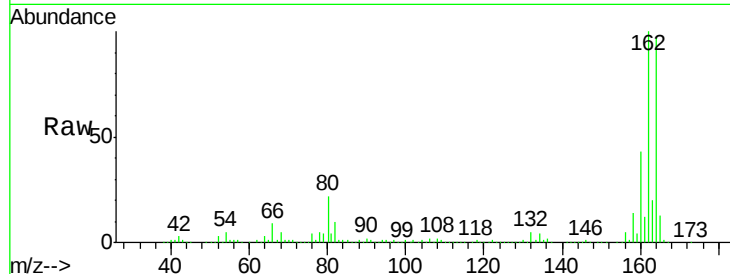
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104562.D
 Acq: 17 Apr 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSE-GRADE-AGG-RCARE

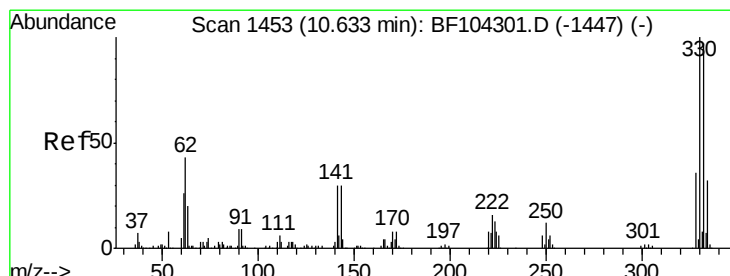
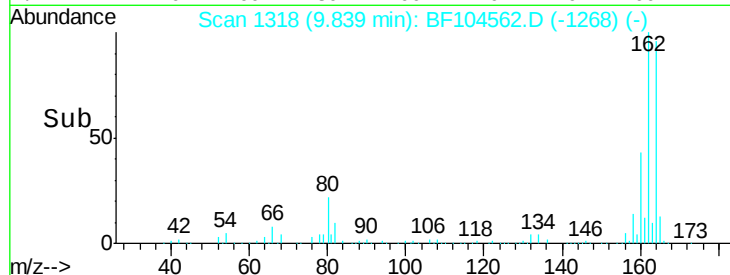
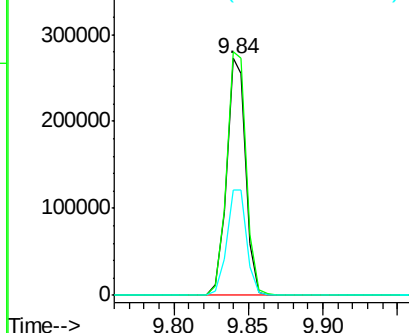
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	86.1	129.1	
160	44.5	38.3	57.5	

Manual Integrations
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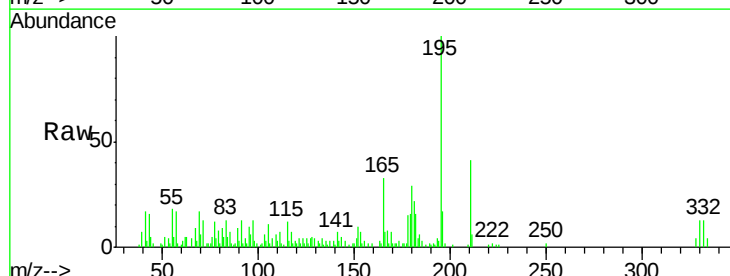


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

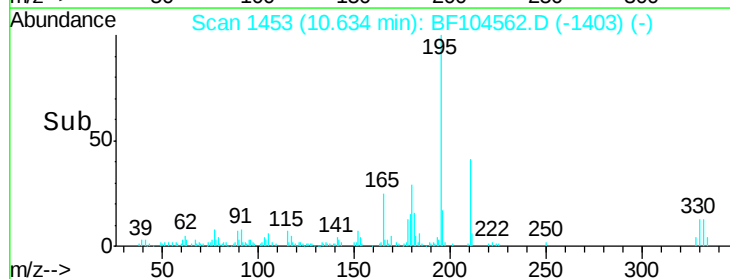
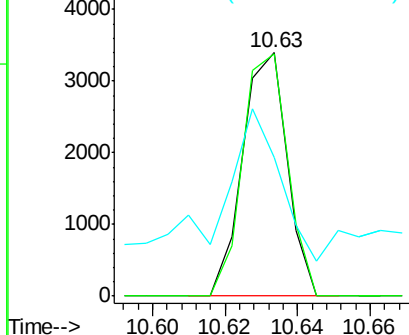


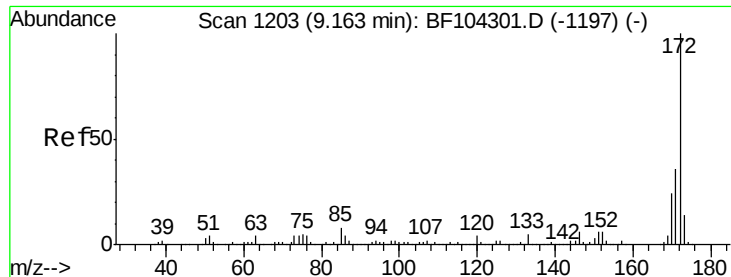
#41
 2,4,6-Tribromophenol
 Concen: 1.125 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104562.D
 Acq: 17 Apr 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.7	77.0	115.6	
141	83.8	29.9	44.9	



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





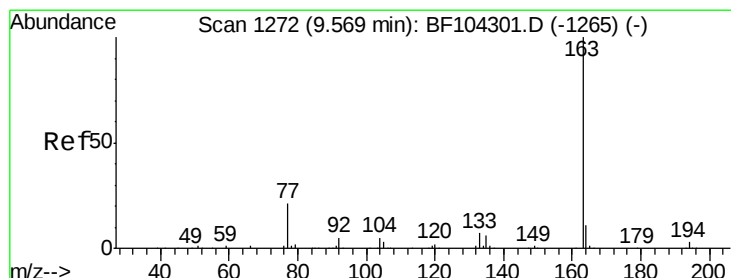
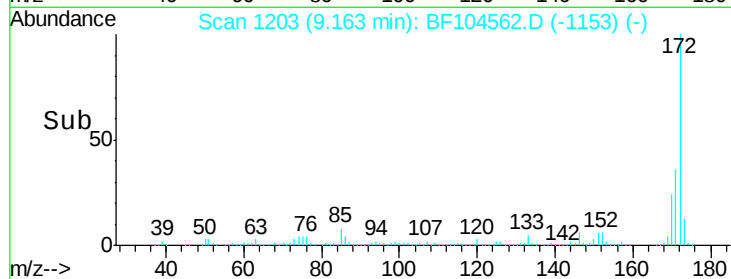
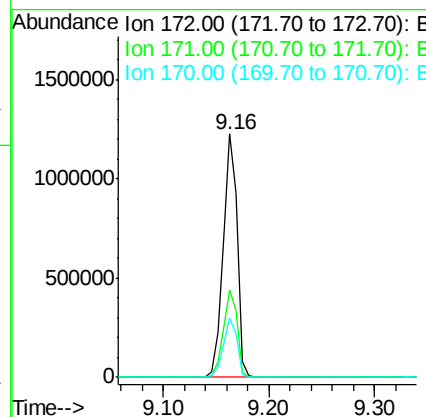
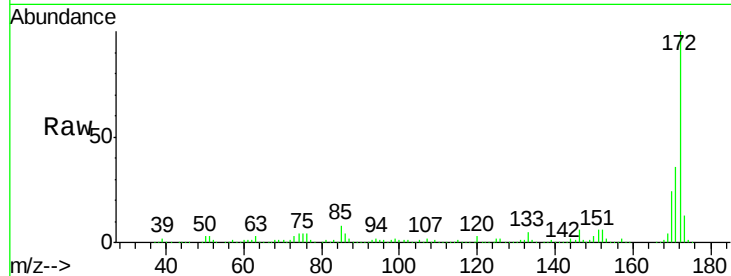
#44
2-Fluorobiphenyl
Concen: 73.727 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.3	19.6	29.4

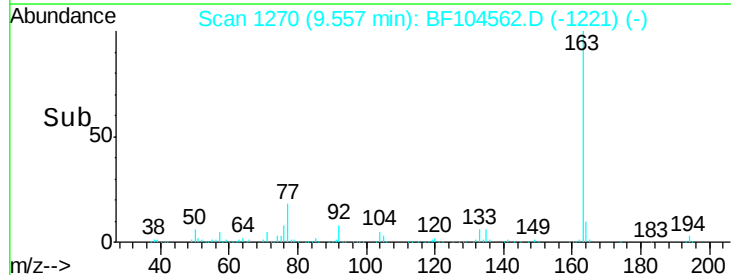
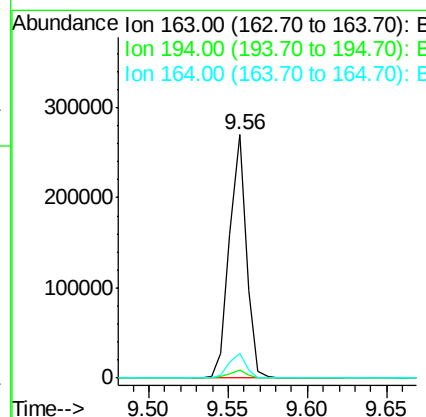
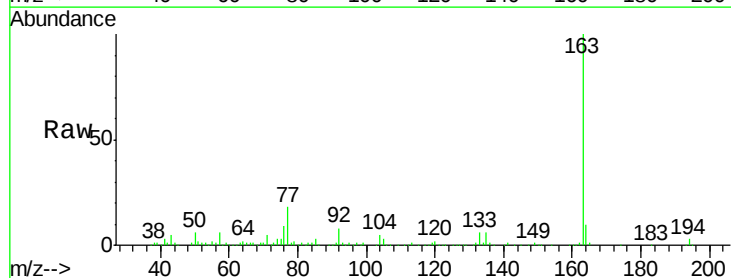
Manual Integrations
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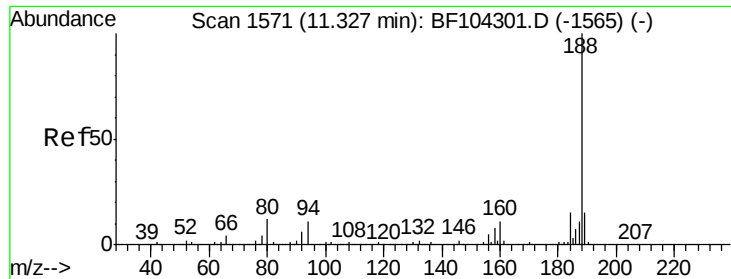
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#49
Dimethylphthalate
Concen: 10.288 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.2	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

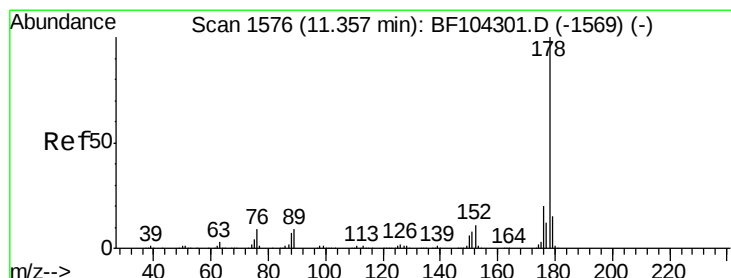
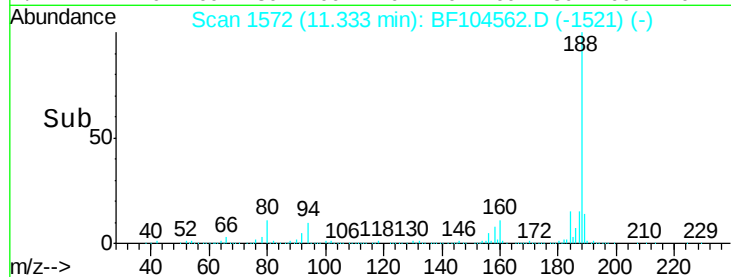
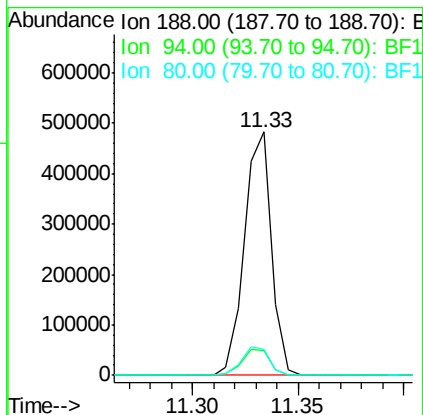
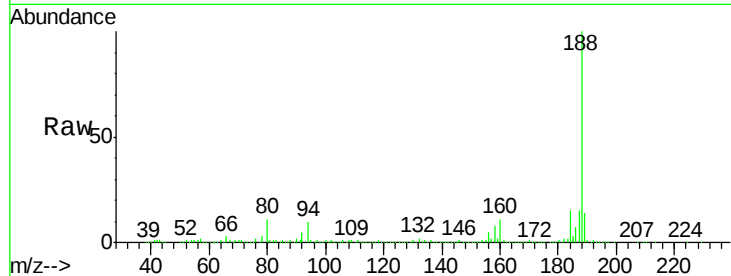
ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCARE

Tot Ion:	188	Resp:	426955
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	10.6	9.2	13.8

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#70

Phenanthrene

Concen: 8.241 ng

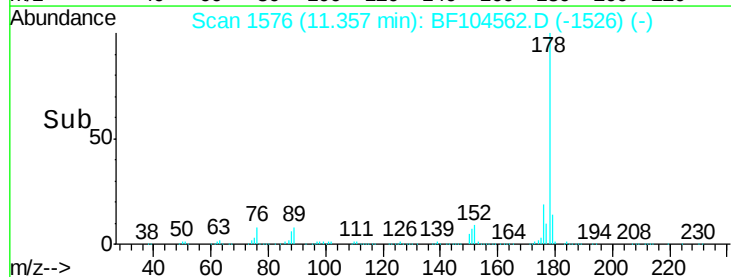
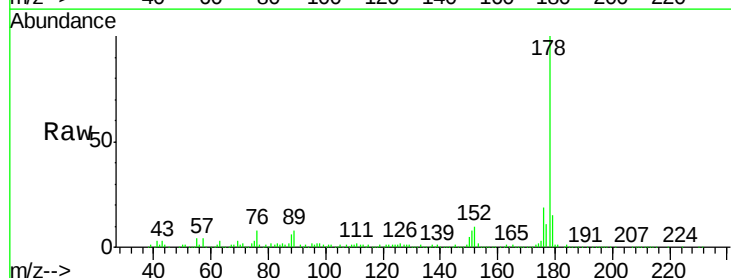
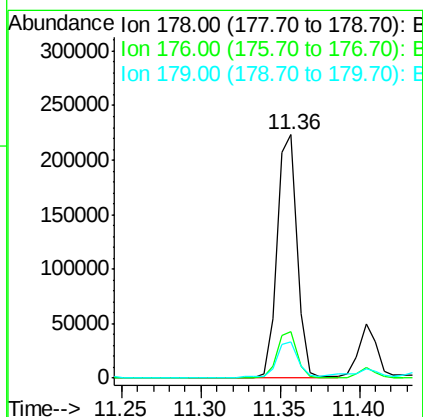
RT: 11.36 min Scan# 1576

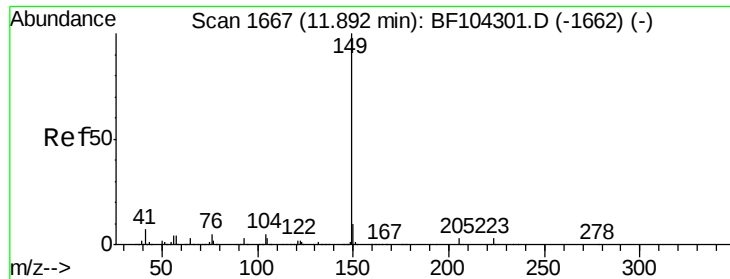
Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Tgt Ion:	178	Resp:	195949
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	14.7	13.0	19.6





#73

Di-n-butylphthalate

Concen: 2.199 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

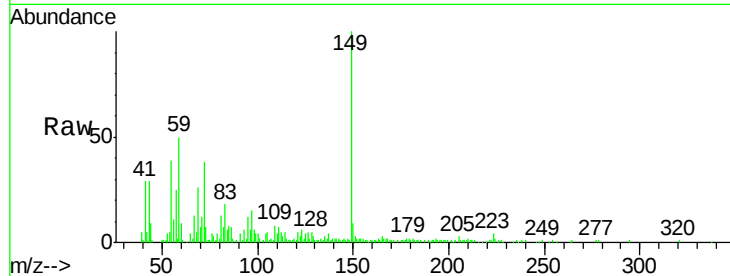
ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCARE

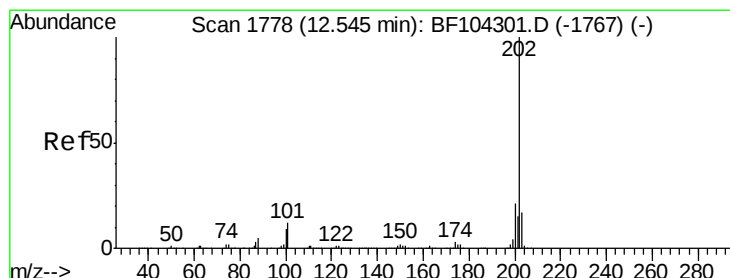
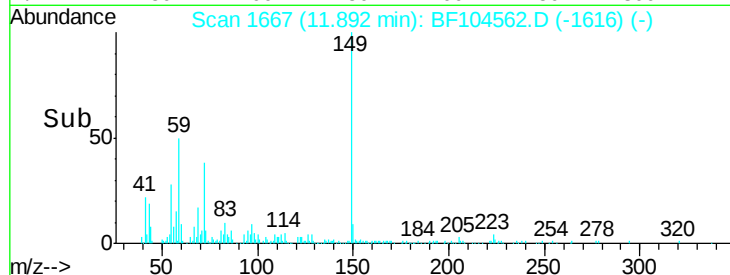
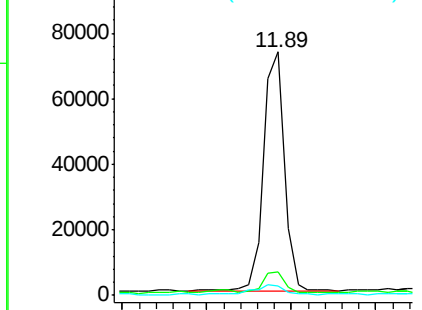
Tot Ion:	149	Resp:	63433
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.8	11.6
104	3.9	3.8	5.8

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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: 8.139 ng

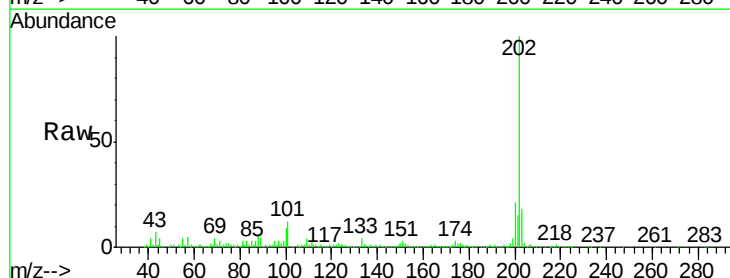
RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

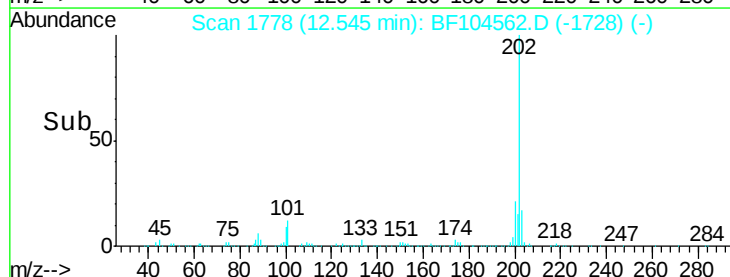
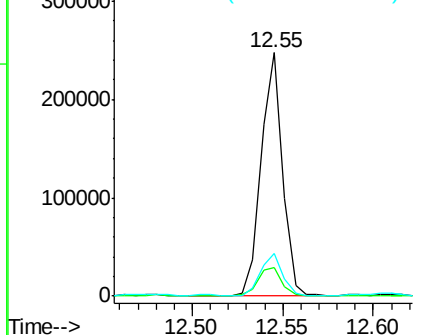
Lab File: BF104562.D

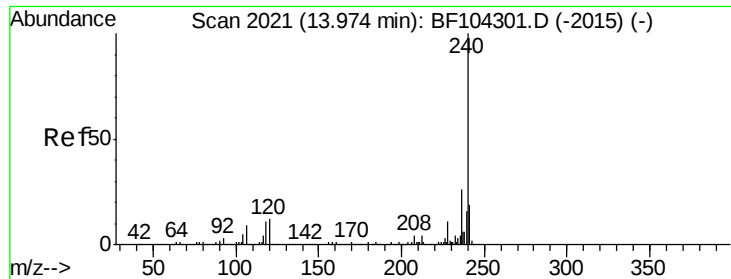
Acq: 17 Apr 2018 15:45

Tgt Ion:	202	Resp:	202191
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	34.1
203	17.6	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

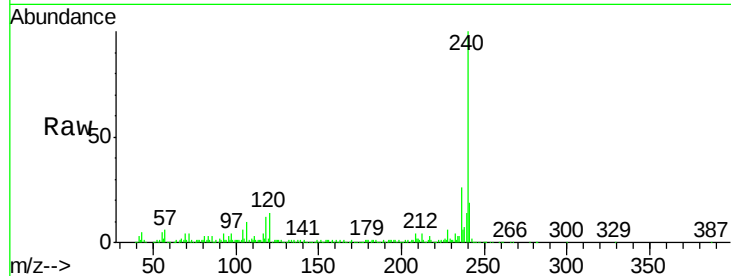
ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCARE

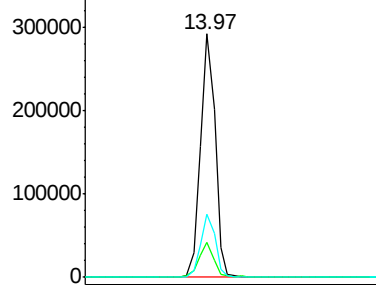
Tot Ion:	240	Resp:	257992
Ion Ratio	Lower	Upper	
240	100		
120	14.3	9.5	14.3#
236	26.0	20.7	31.1

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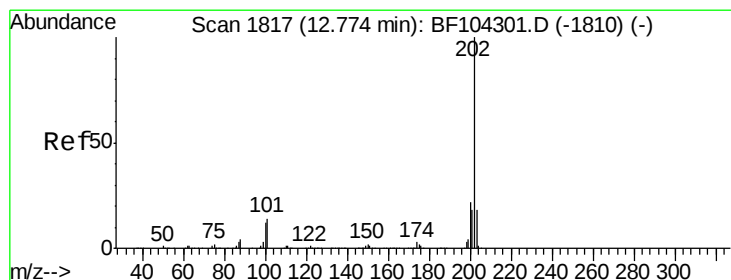
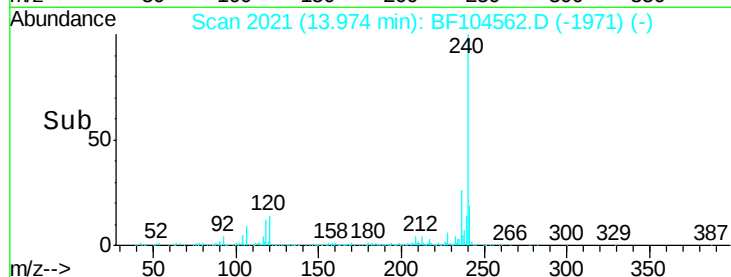
Sohil
4/18/2018 3:00:26 PM



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



Time-->



#77

Pyrene

Concen: 9.620 ng

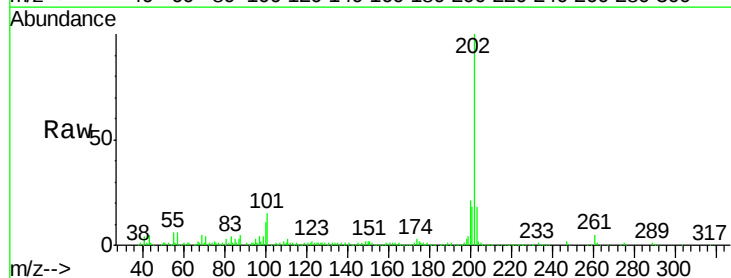
RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

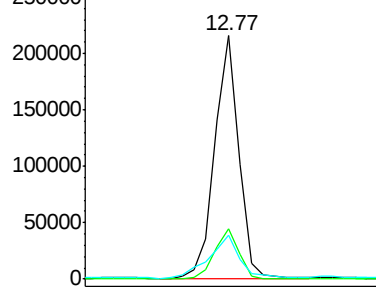
Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

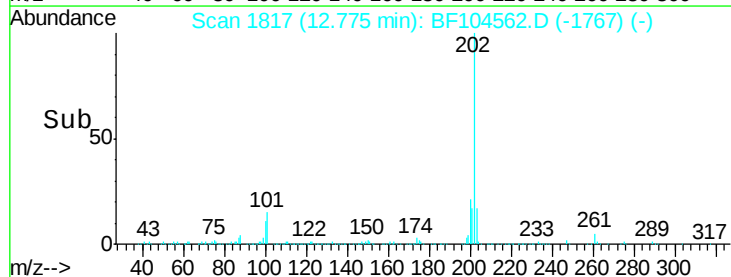
Tgt Ion:	202	Resp:	183975
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.9	14.3	21.5

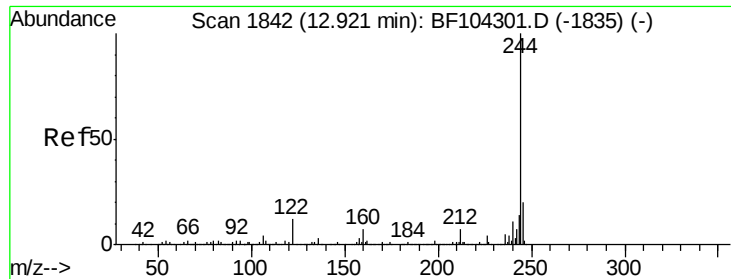


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 84.635 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Instrument :

BNA_F

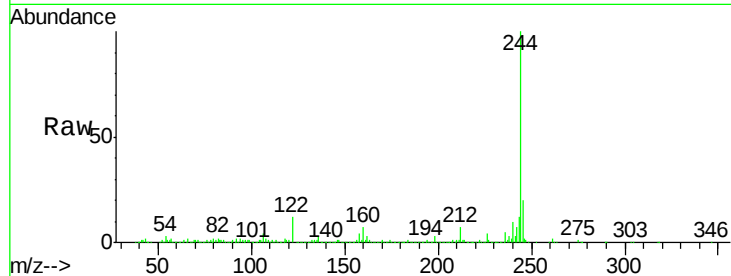
ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCARE

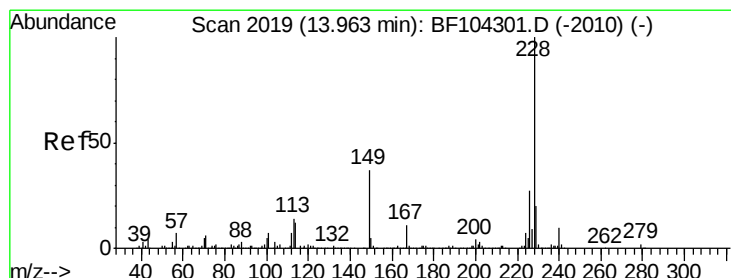
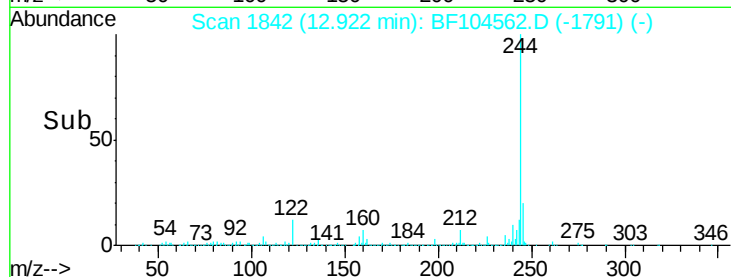
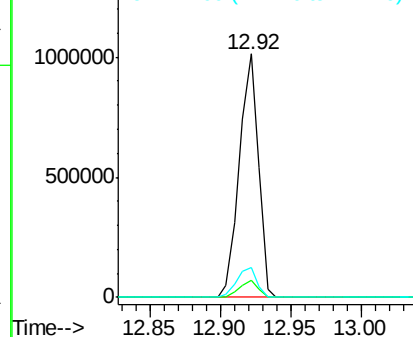
Tot Ion:	244	Resp:	957757
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.4	11.0	16.4

Manual Integrations
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4/18/2018 3:00:26 PM



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: 4.737 ng

RT: 13.96 min Scan# 2019

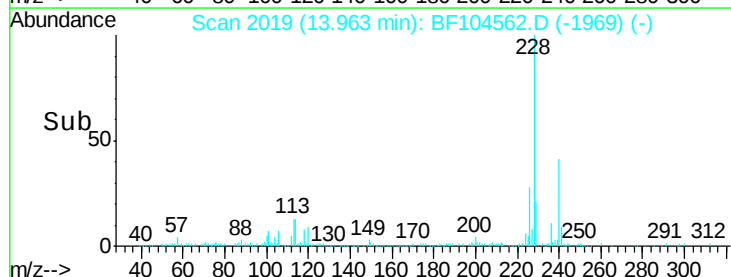
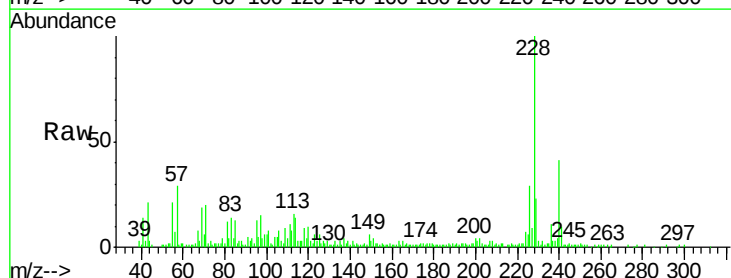
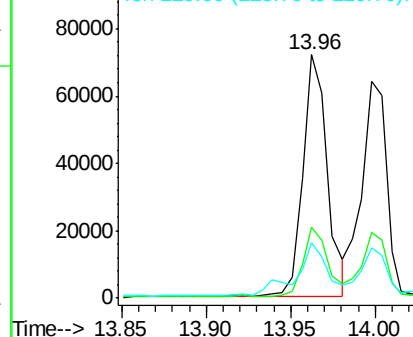
Delta R.T. -0.01 min

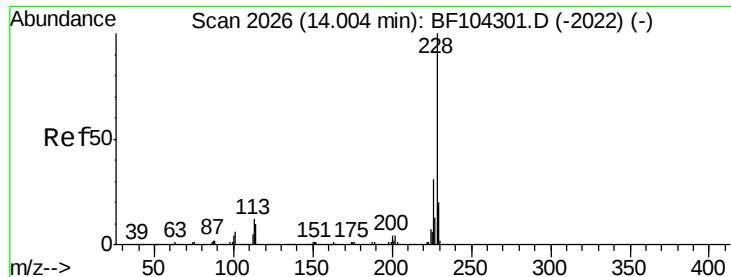
Lab File: BF104562.D

Acq: 17 Apr 2018 15:45

Tgt Ion:	228	Resp:	73013
Ion Ratio		Lower	Upper
228	100		
226	29.0	22.6	33.8
229	22.7	15.8	23.6

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





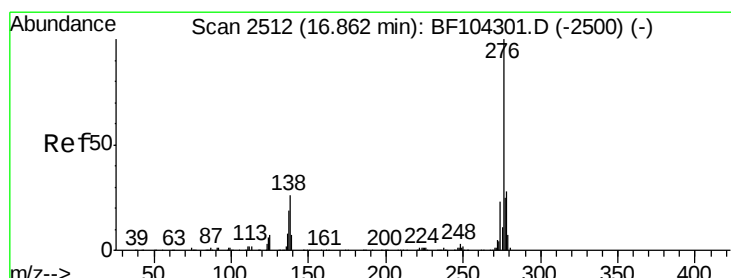
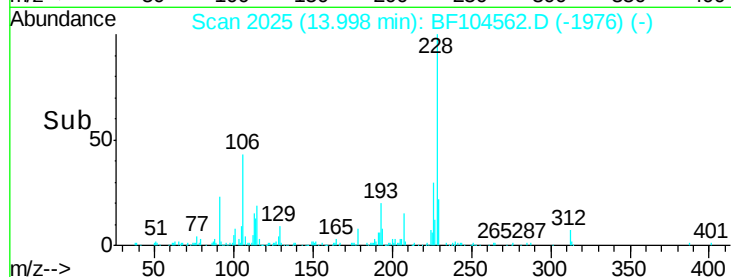
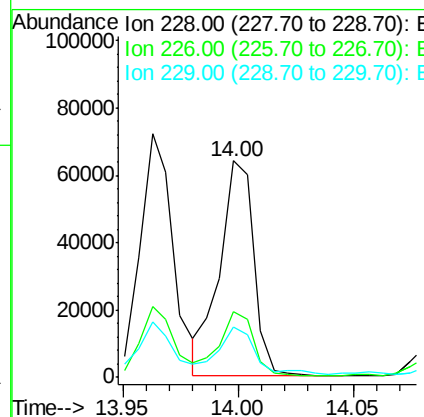
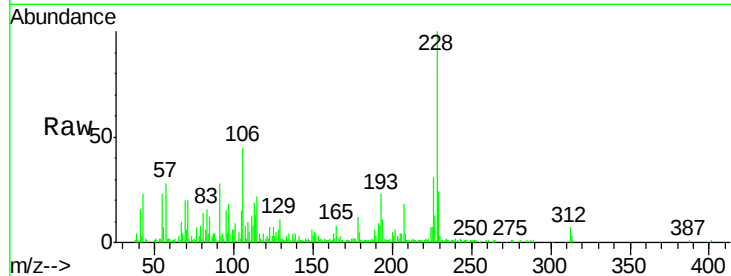
#82
Chrysene
Concen: 4.192 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCARE

Tot Ion:	228	Resp:	66372
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	23.6	16.2	24.4

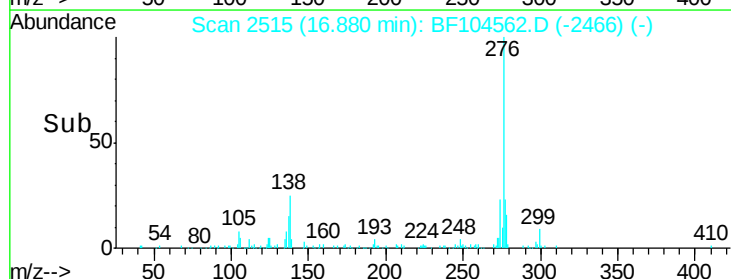
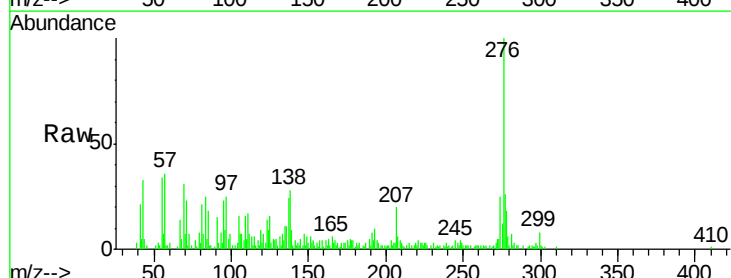
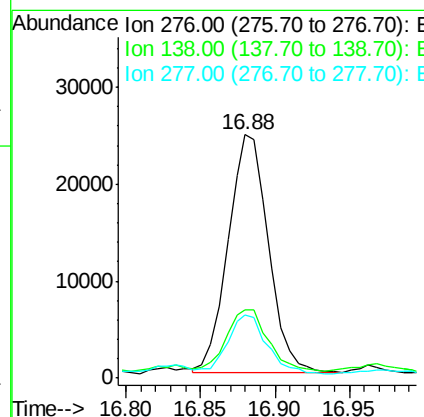
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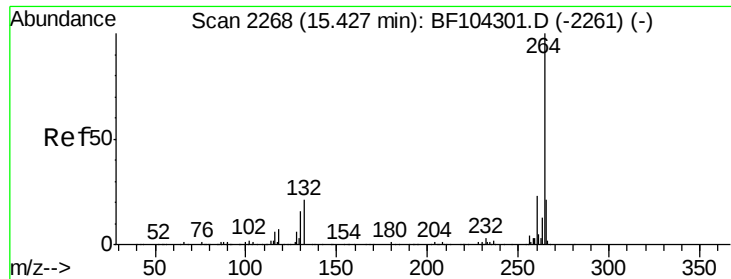
Sohil
4/18/2018 3:00:26 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.424 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion:	276	Resp:	46043
Ion Ratio	Lower	Upper	
276	100		
138	27.5	25.0	37.6
277	24.6	20.1	30.1





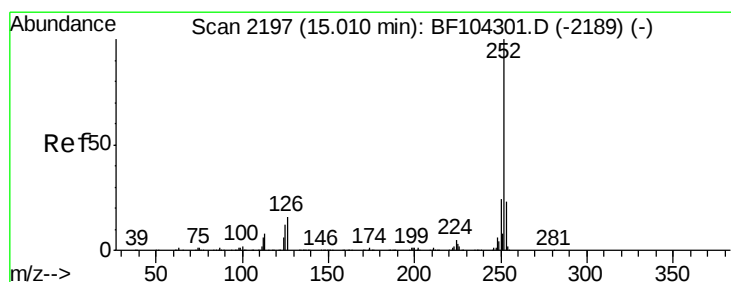
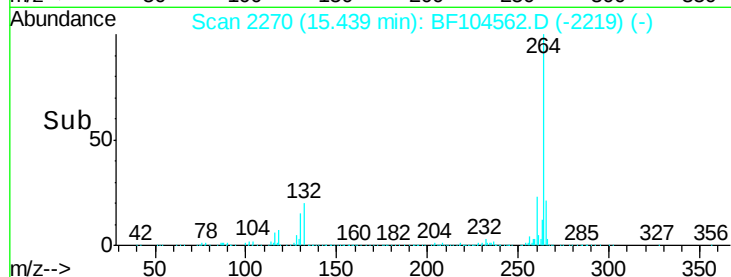
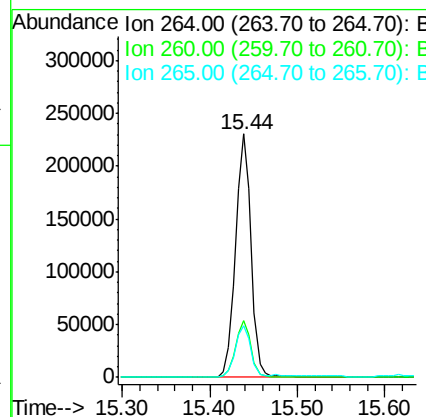
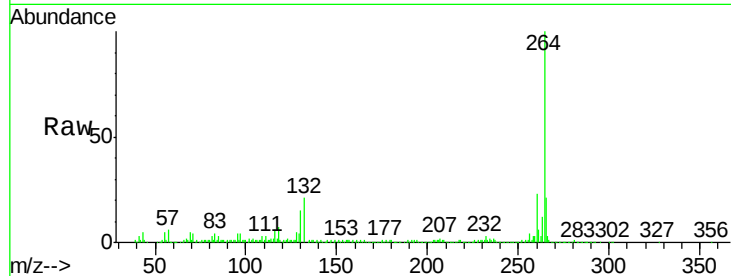
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.5	26.3

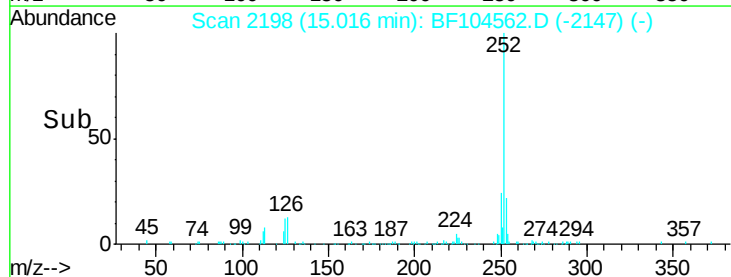
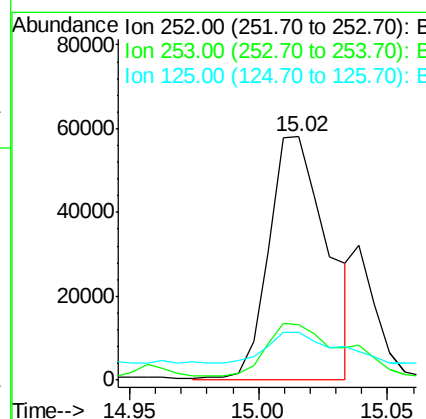
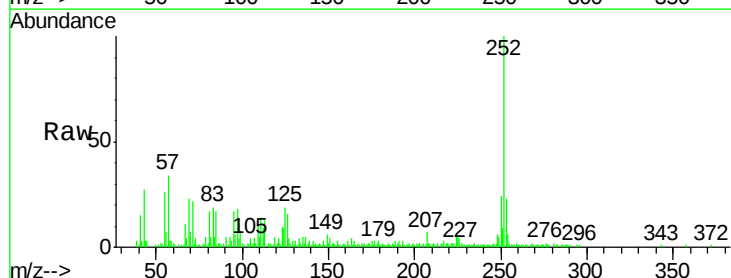
Manual Integrations
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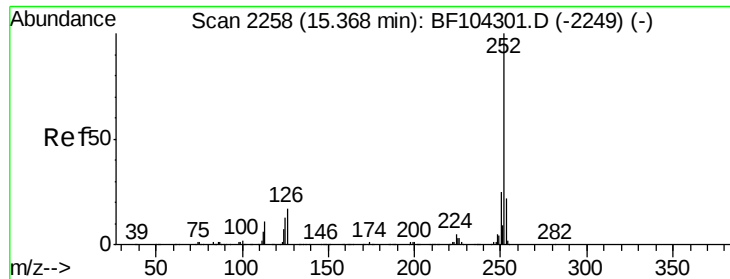
Sohil
4/18/2018 3:00:26 PM



#87
Benzo(b)fluoranthene
Concen: 5.135 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	19.4	9.0	13.6





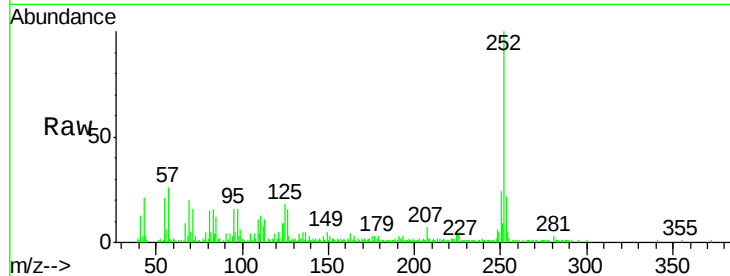
#89
Benzo(a)pyrene
Concen: 4.071 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCARE

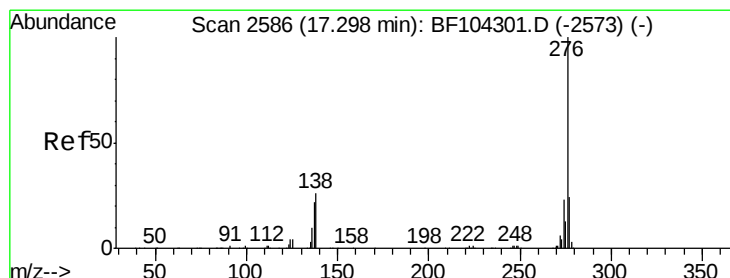
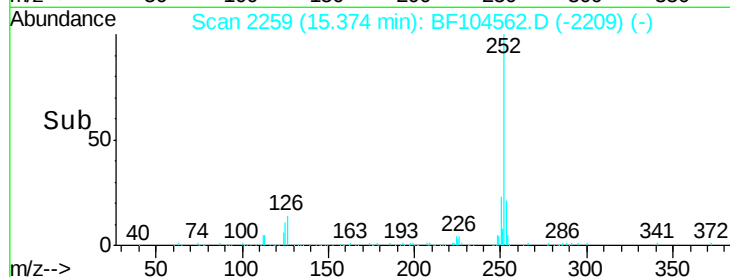
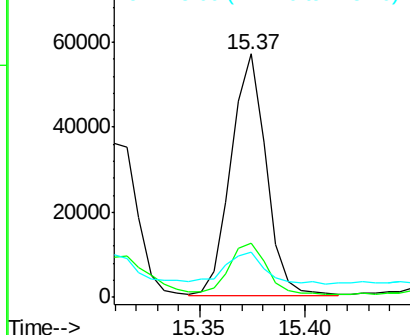
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	18.5	9.8	14.6

Manual Integrations
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Sohil
4/18/2018 3:00:26 PM

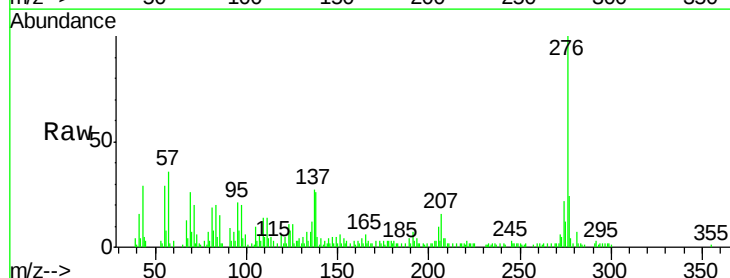


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.837 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BF104562.D
Acq: 17 Apr 2018 15:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	25.5	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

