

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104574.D
 Acq On : 17 Apr 2018 21:03
 Operator : JU/SJ
 Sample : J2387-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180243-COMPOSITE-E

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:01:00 PM

Quant Time: Apr 18 01:55:20 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	138768	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	532176	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	212519	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	345546	20.00	ng	0.00
75) Chrysene-d12	13.98	240	293077	20.00	ng	0.00
86) Perylene-d12	15.44	264	256734	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	789987	87.05	ng	0.00
7) Phenol-d6	6.45	99	952429	85.41	ng	0.00
23) Nitrobenzene-d5	7.37	82	564097	69.21	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	181486	82.32	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	843844	62.73	ng	0.00
78) Terphenyl-d14	12.92	244	681430	53.01	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.80	142	93480	5.454	ng	97
48) Acenaphthylene	9.70	152	174565	7.890	ng	98
49) Dimethylphthalate	9.56	163	114435	6.828	ng	100
51) Acenaphthene	9.87	154	94793	7.022	ng	98
57) Fluorene	10.39	166	129704	9.472	ng	100
70) Phenanthrene	11.36	178	817001	42.457	ng	99
71) Anthracene	11.41	178	447526	22.878	ng	99
74) Fluoranthene	12.55	202	594788	29.583	ng	98
77) Pyrene	12.78	202	890942	41.012	ng	100
80) Benzo(a)anthracene	13.97	228	484094m	27.649	ng	
82) Chrysene	14.00	228	431963	24.019	ng	97
85) Indeno(1,2,3-cd)pyrene	16.89	276	100538m	6.581	ng	
87) Benzo(b)fluoranthene	15.02	252	309618m	19.095	ng	
88) Benzo(k)fluoranthene	15.04	252	80153m	5.236	ng	
89) Benzo(a)pyrene	15.39	252	331804	22.870	ng	99
90) Dibenzo(a,h)anthracene	16.90	278	34421m	2.889	ng	
91) Benzo(g,h,i)perylene	17.33	276	98832	8.561	ng	96

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

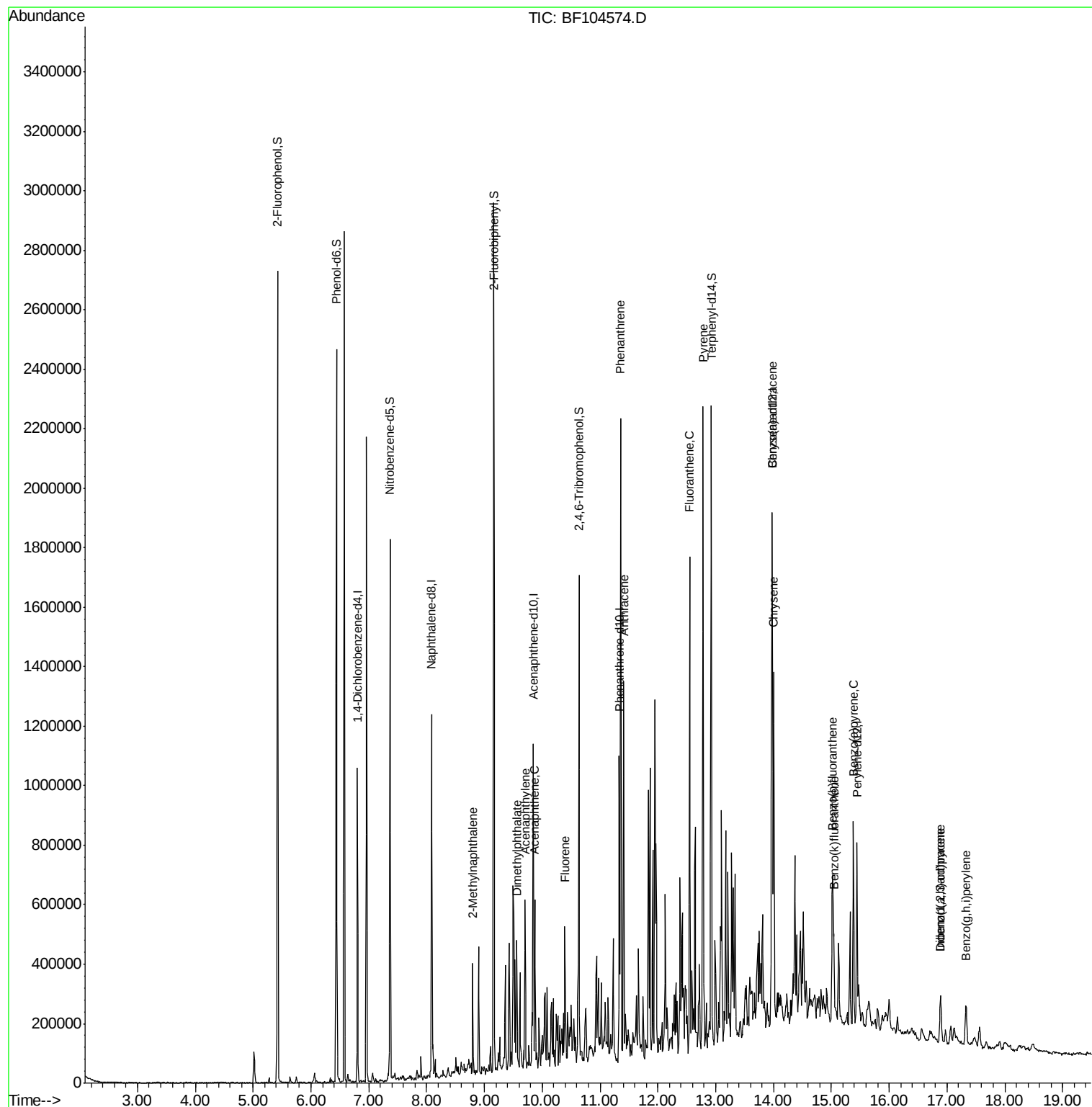
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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ALS Vial : 15 Sample Multiplier: 1

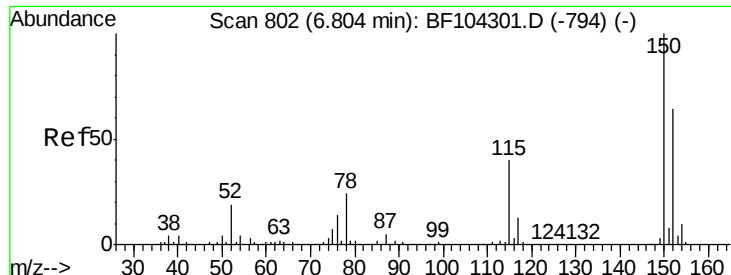
Instrument :
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20180243-COMPOSITE-E

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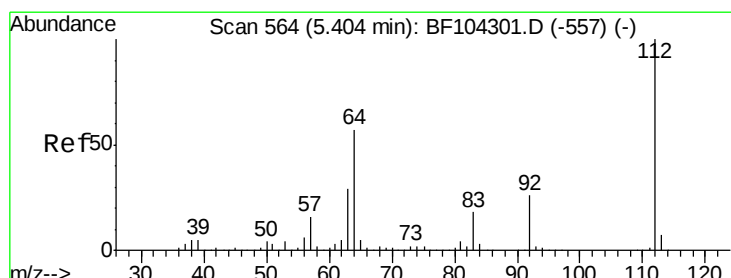
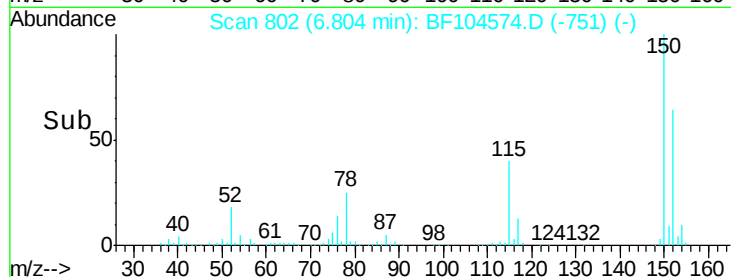
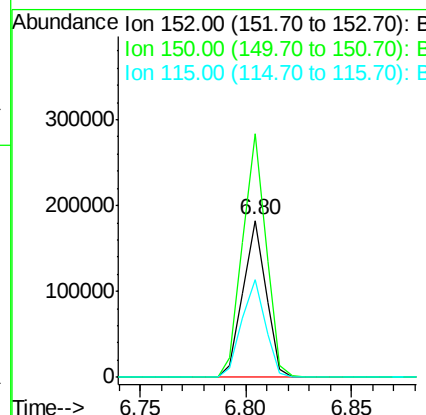
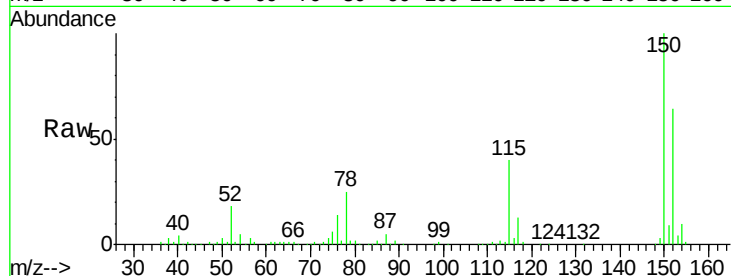
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF104574.D
 Acq: 17 Apr 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :
 20180243-COMPOSITE-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	62.8	50.1	75.1

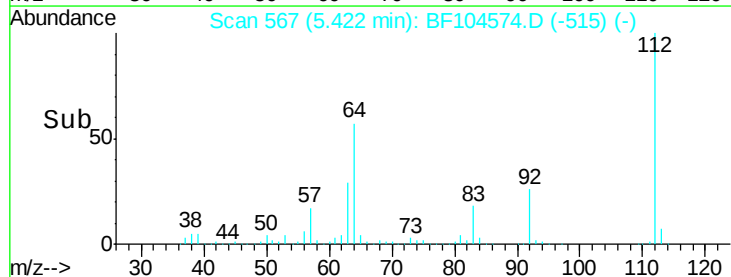
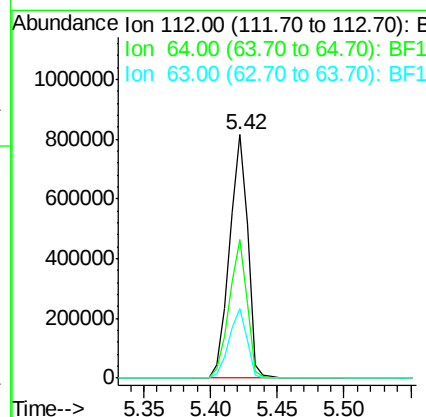
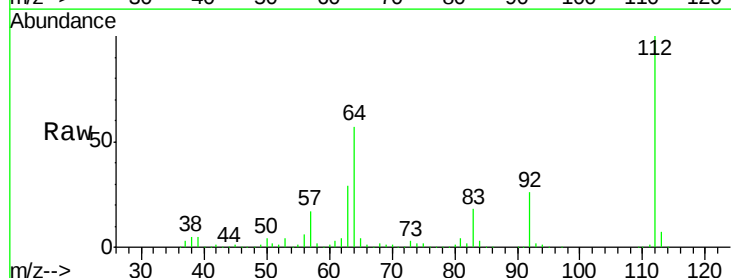
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#5
 2-Fluorophenol
 Concen: 87.047 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104574.D
 Acq: 17 Apr 2018 21:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 85.414 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

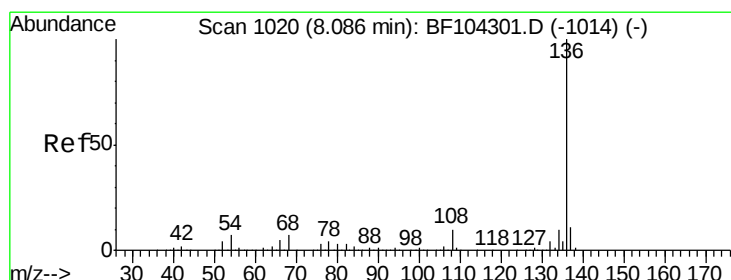
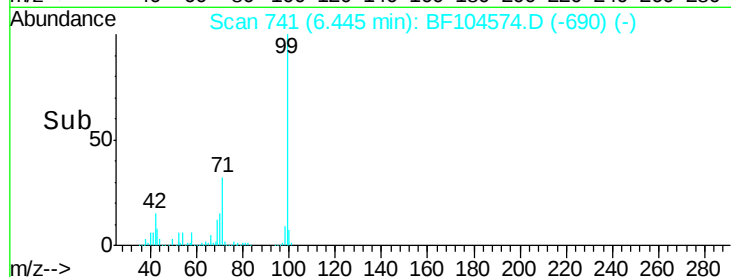
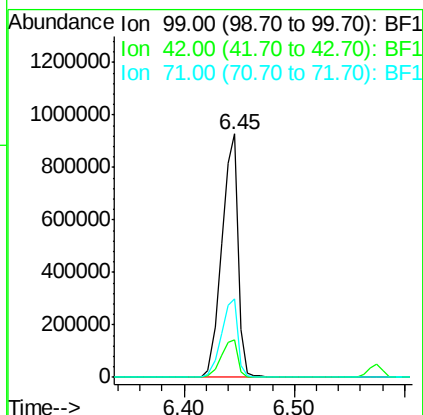
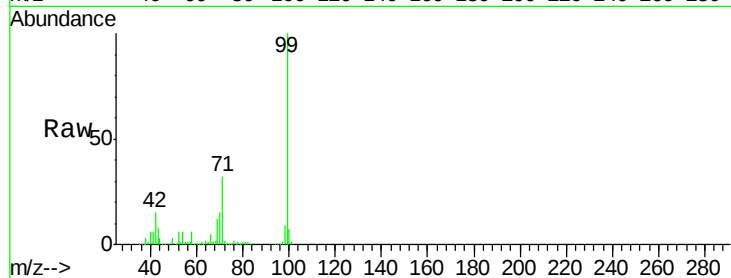
ClientSampleId :

20180243-COMPOSITE-E

Tot Ion:	99	Resp:	952429
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.5	21.7
71	32.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

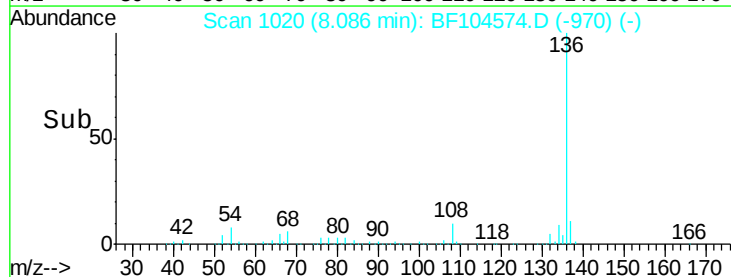
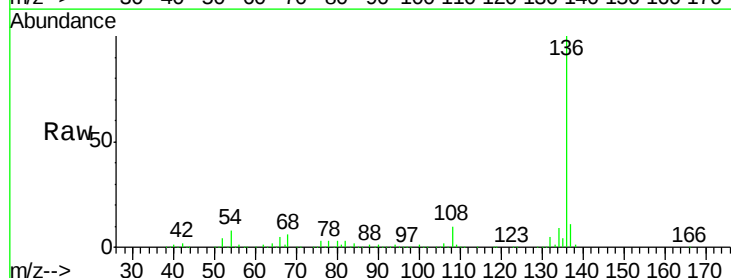
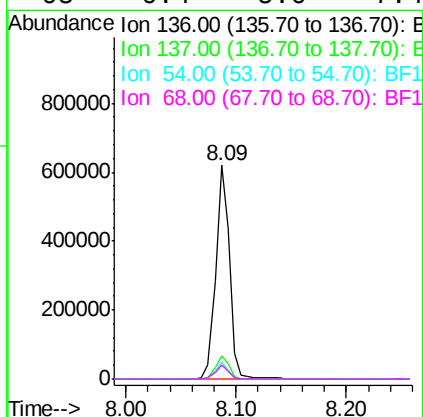
RT: 8.09 min Scan# 1020

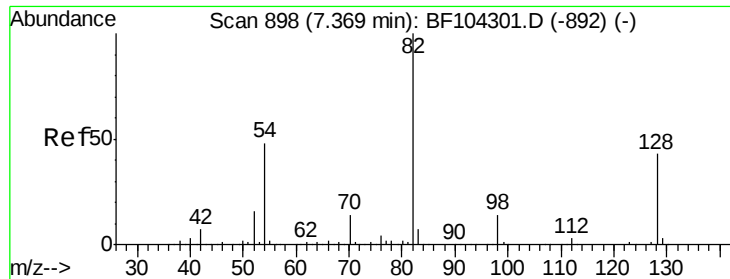
Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tgt Ion:	136	Resp:	532176
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.6	6.6	9.8
68	6.4	5.0	7.4





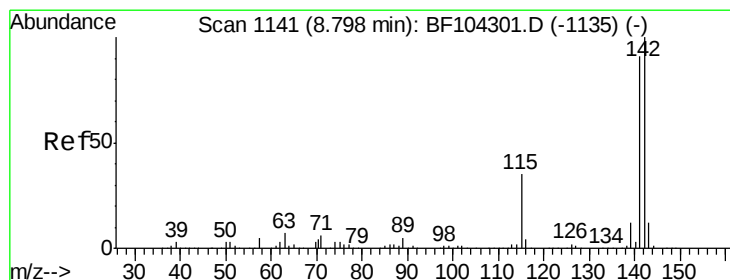
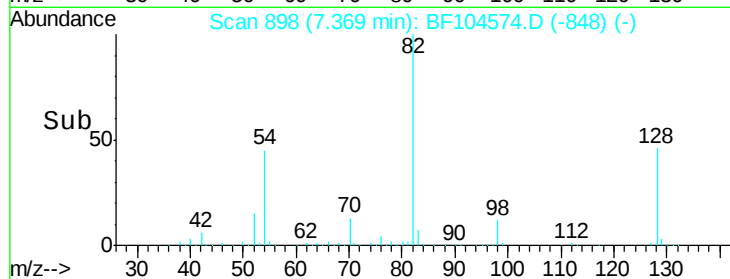
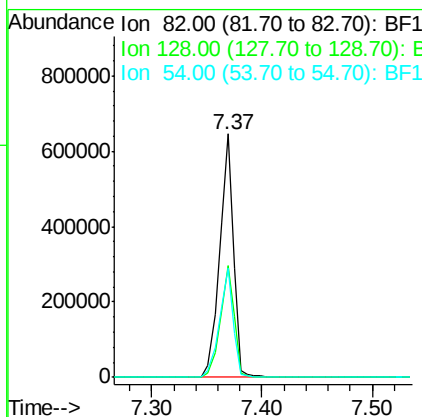
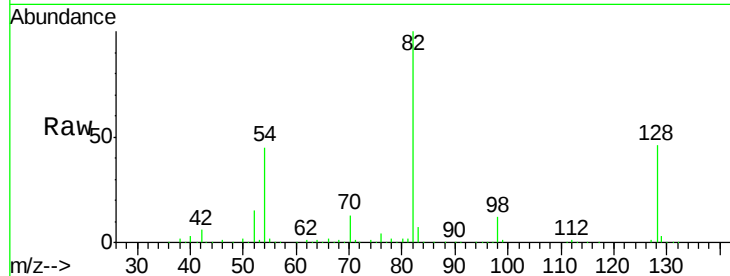
#23
Nitrobenzene-d5
Concen: 69.215 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :
20180243-COMPOSITE-E

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	44.9	41.4	62.2

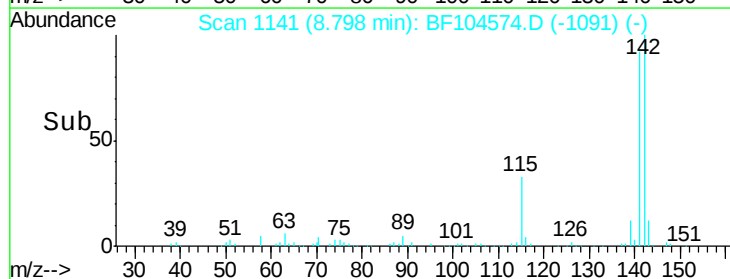
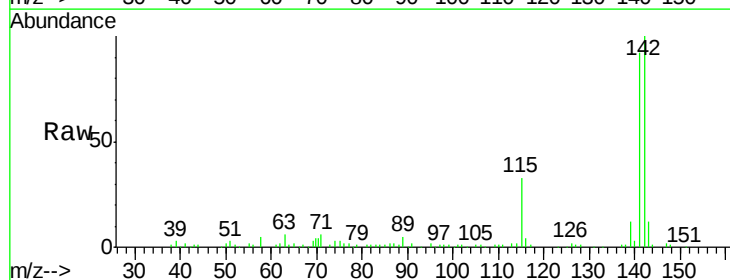
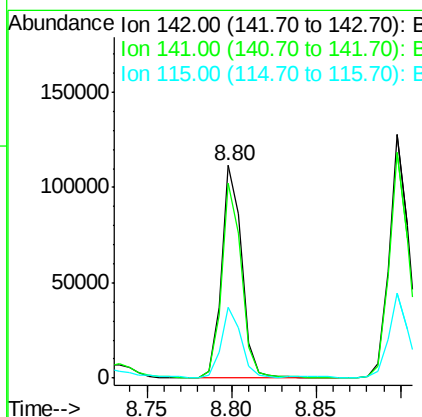
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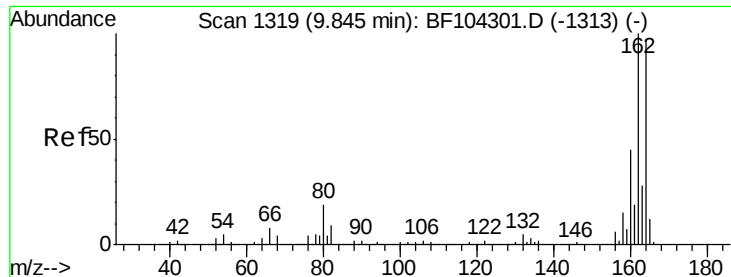
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#37
2-Methylnaphthalene
Concen: 5.454 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	70.8	106.2
115	33.1	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

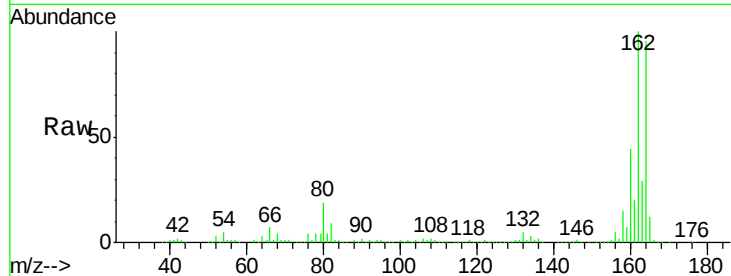
ClientSampleId :

20180243-COMPOSITE-E

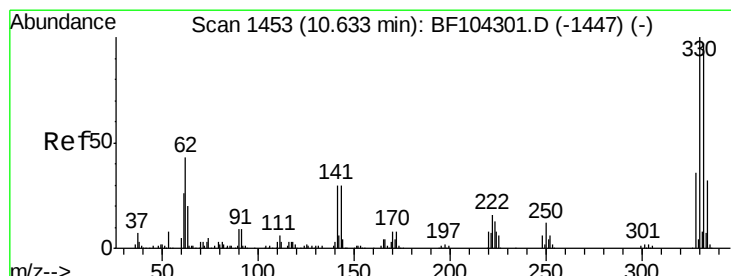
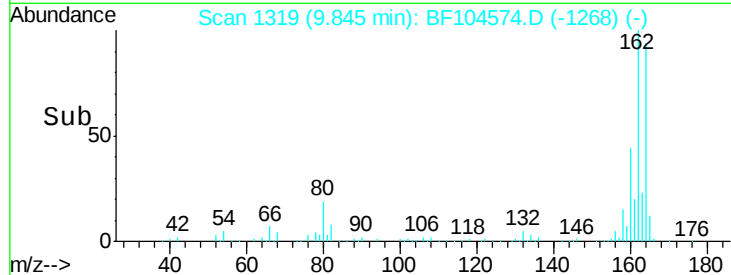
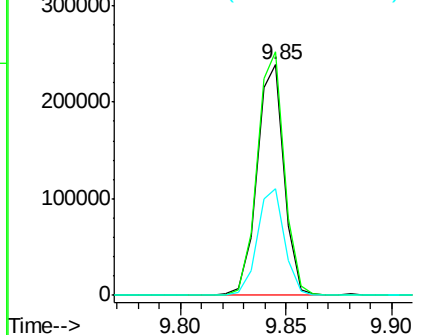
Tot Ion:	164	Resp:	212519
Ion Ratio	Lower	Upper	
164	100		
162	105.7	86.1	129.1
160	46.3	38.3	57.5

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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: 82.325 ng

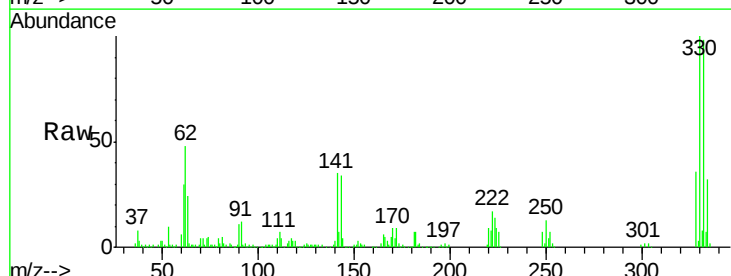
RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

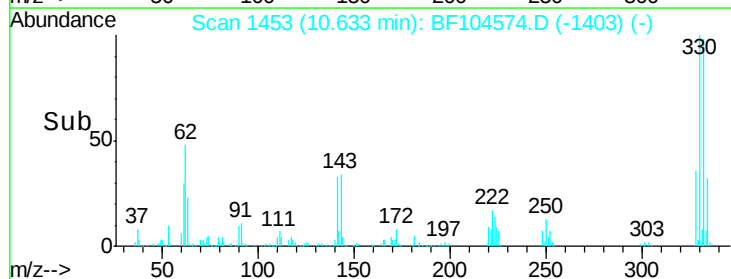
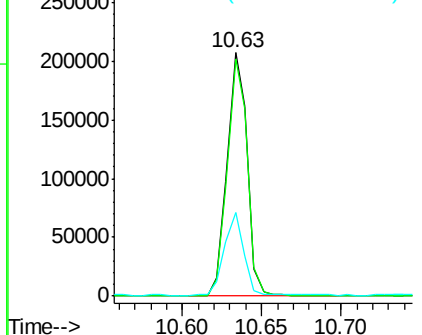
Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tgt Ion:	330	Resp:	181486
Ion Ratio	Lower	Upper	
330	100		
332	97.5	77.0	115.6
141	33.3	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





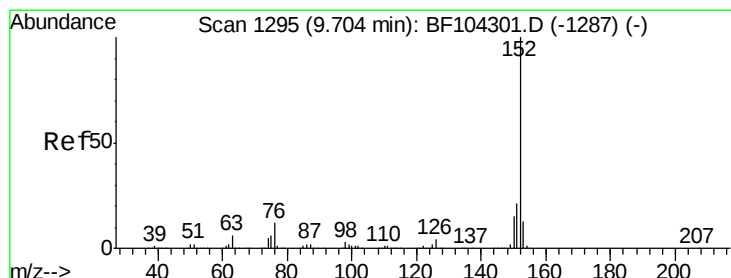
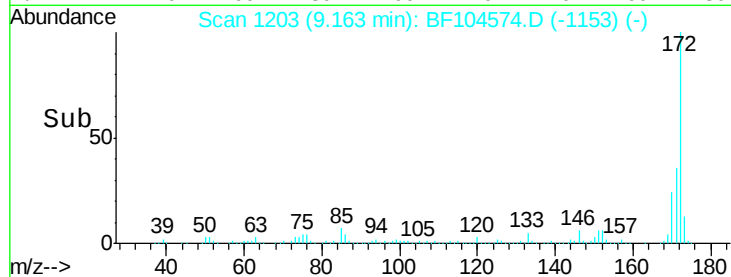
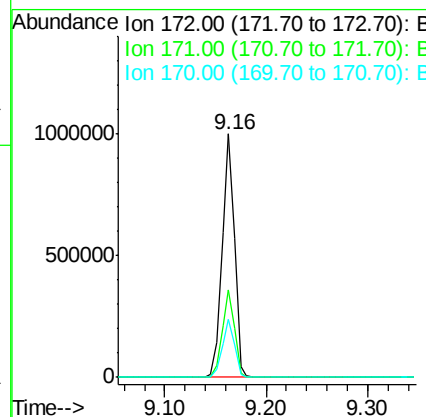
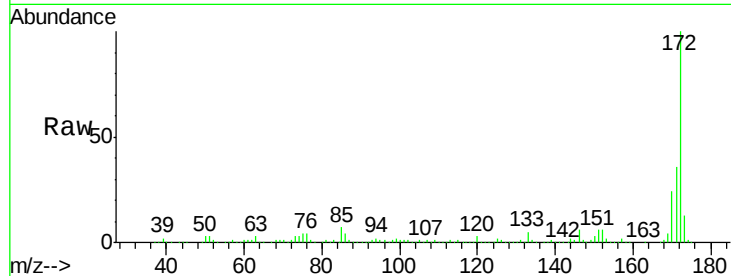
#44
2-Fluorobiphenyl
Concen: 62.727 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :
20180243-COMPOSITE-E

Tot Ion	Ratio	Resp	Lower	Upper
172	100	843844		
171	36.1	29.7	44.5	
170	23.9	19.6	29.4	

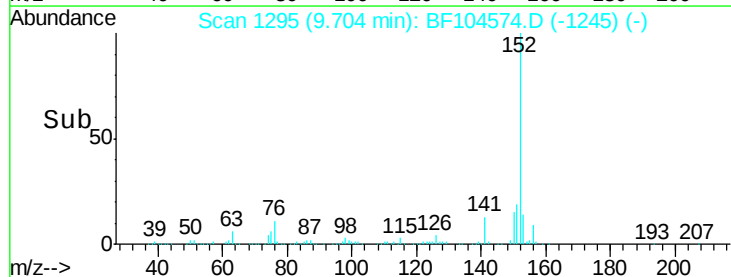
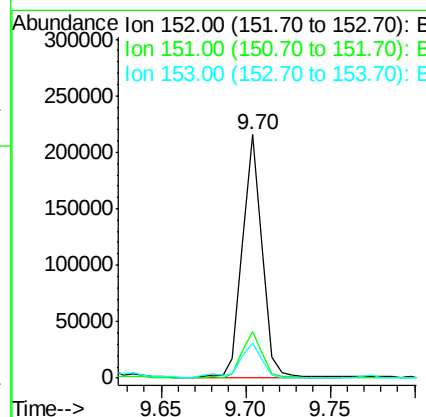
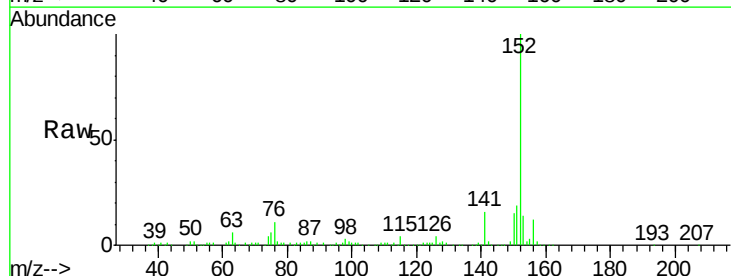
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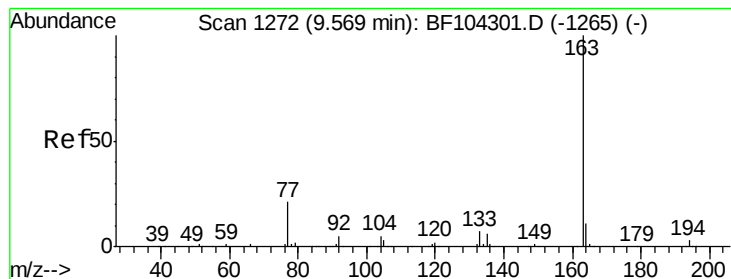
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#48
Acenaphthylene
Concen: 7.890 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	174565		
151	19.3	16.3	24.5	
153	14.5	10.7	16.1	





#49

Dimethylphthalate

Concen: 6.828 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

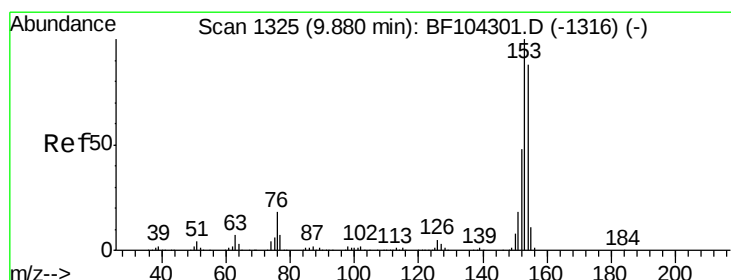
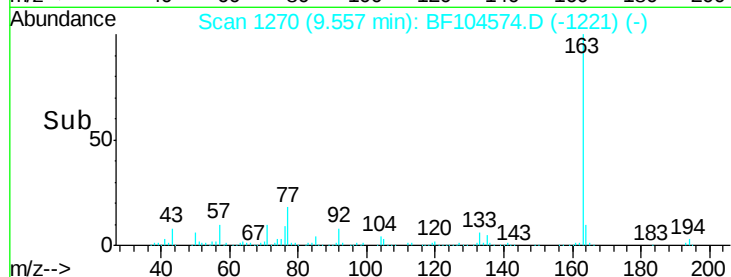
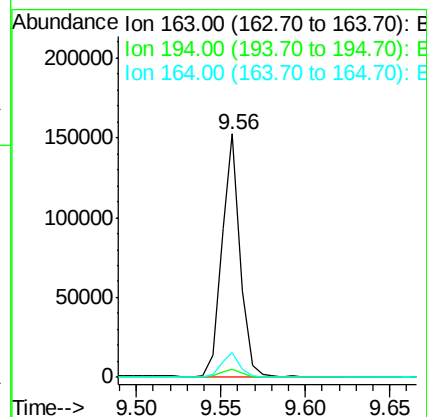
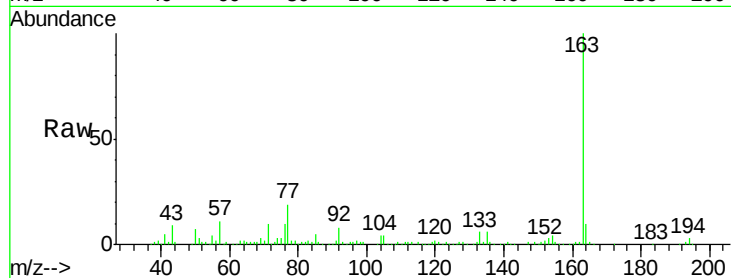
ClientSampleId :

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Tot Ion:	163	Resp:	114435
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	10.2	8.2	12.2

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#51

Acenaphthene

Concen: 7.022 ng

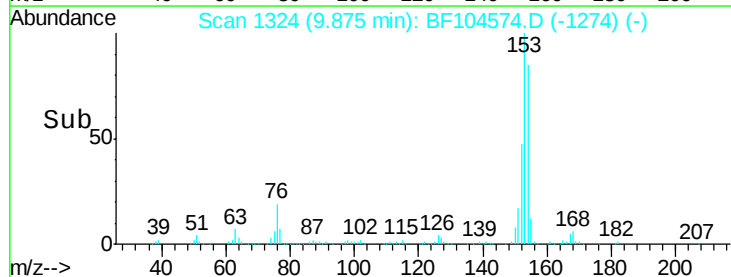
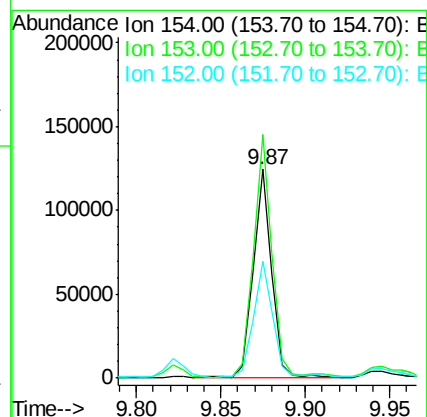
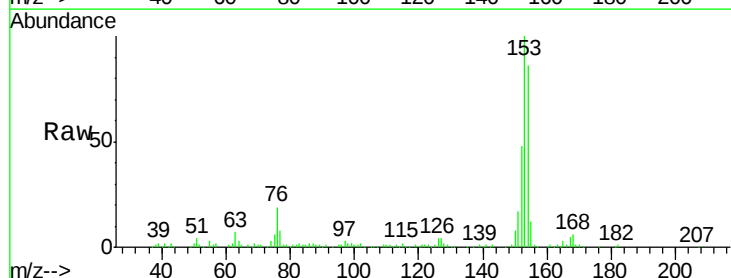
RT: 9.87 min Scan# 1324

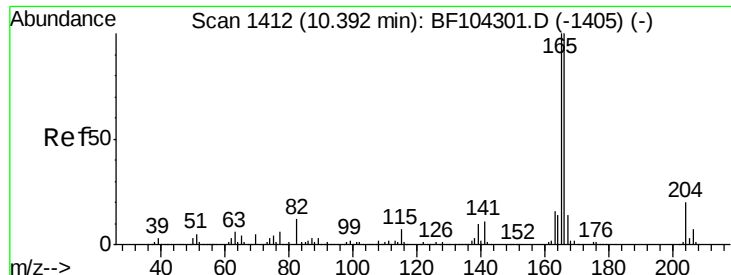
Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tgt Ion:	154	Resp:	94793
Ion Ratio	Lower	Upper	
154	100		
153	116.8	91.2	136.8
152	55.8	43.8	65.8





#57

Fluorene

Concen: 9.472 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

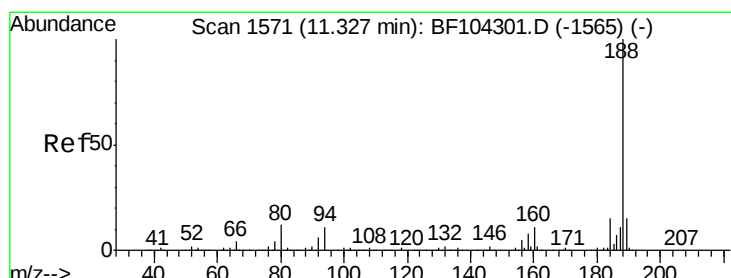
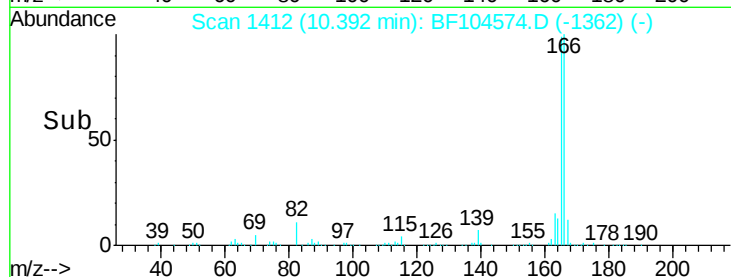
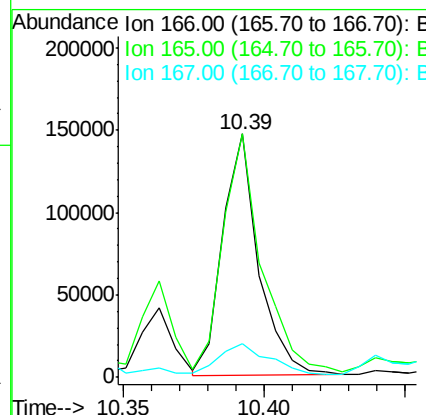
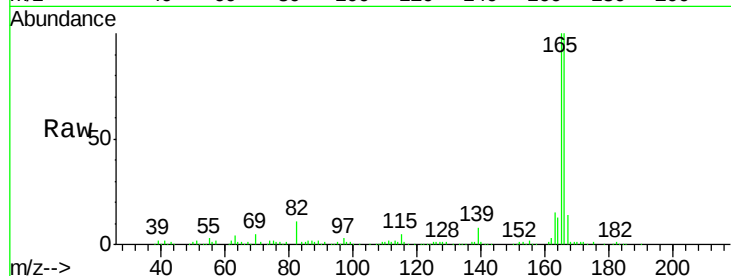
ClientSampleId :

20180243-COMPOSITE-E

Tot Ion:	166	Resp:	129704
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.8	119.8
167	13.9	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

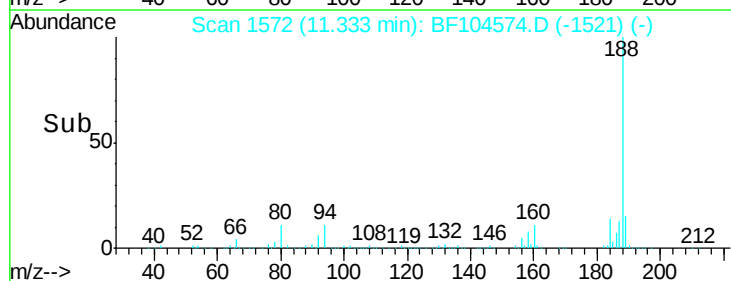
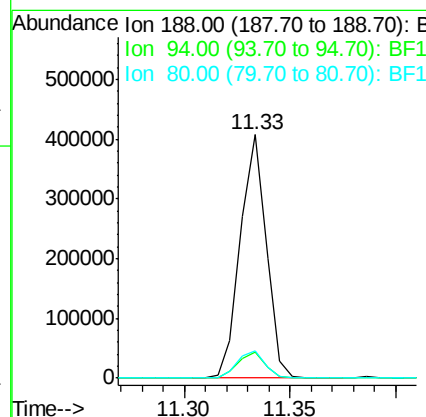
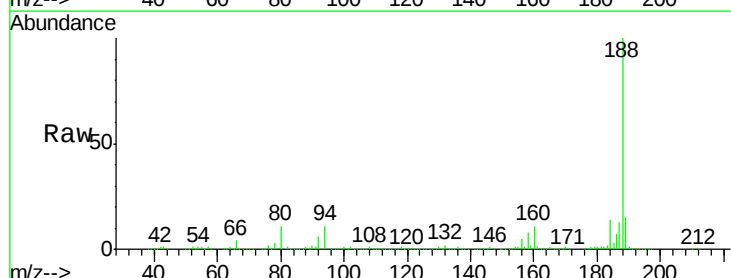
RT: 11.33 min Scan# 1572

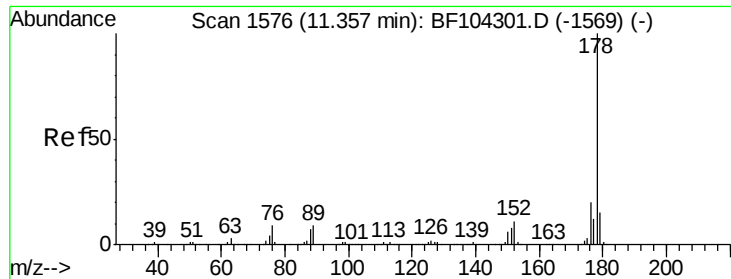
Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tgt Ion:	188	Resp:	345546
Ion Ratio	Lower	Upper	
188	100		
94	10.9	8.5	12.7
80	11.3	9.2	13.8





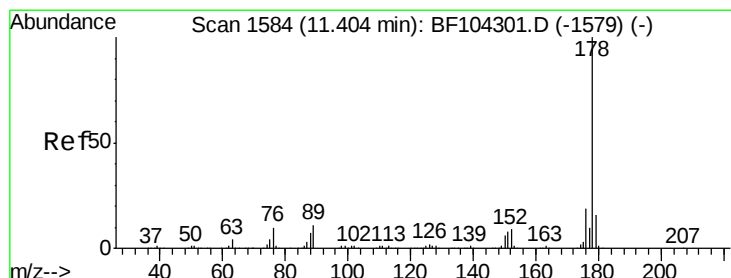
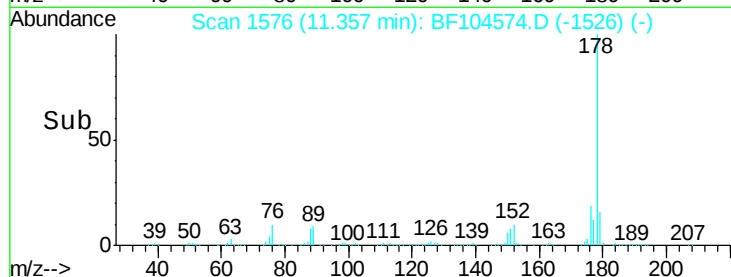
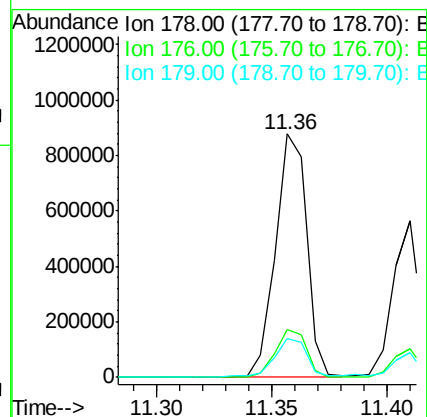
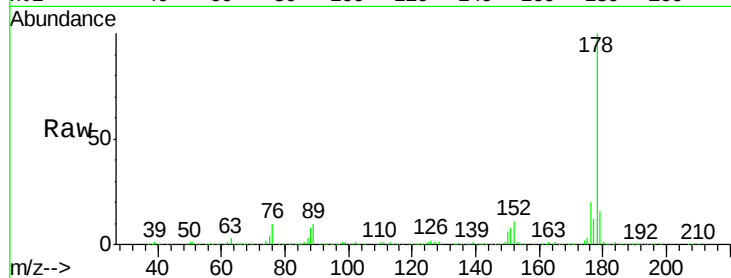
#70
Phenanthrene
Concen: 42.457 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :
20180243-COMPOSITE-E

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.5	15.8	23.8	
179	16.1	13.0	19.6	

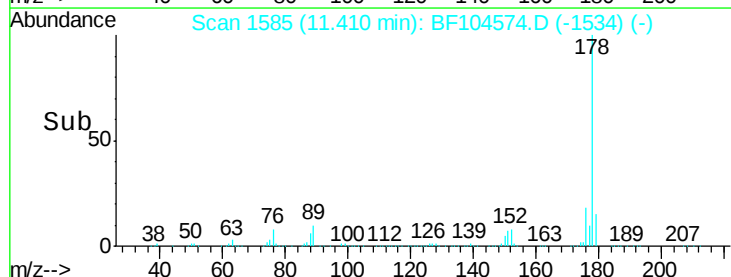
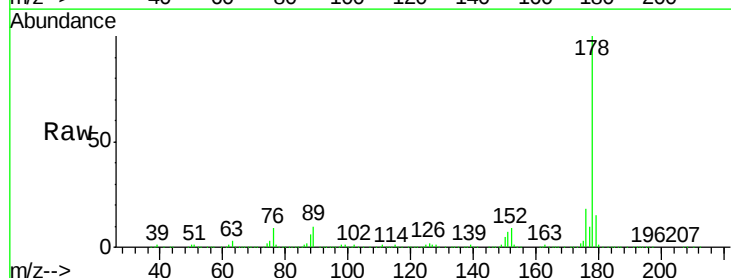
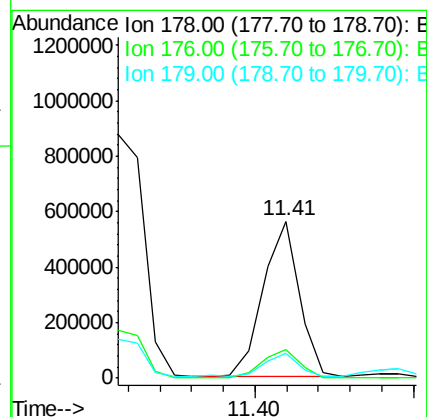
Manual Integrations
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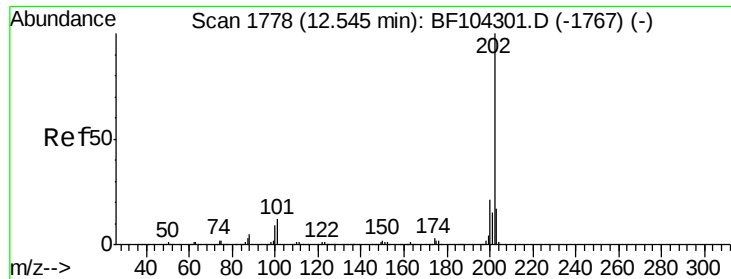
Sohil
4/18/2018 3:01:00 PM



#71
Anthracene
Concen: 22.878 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.4	15.4	23.2	
179	15.5	12.6	19.0	





#74

Fluoranthene

Concen: 29.583 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

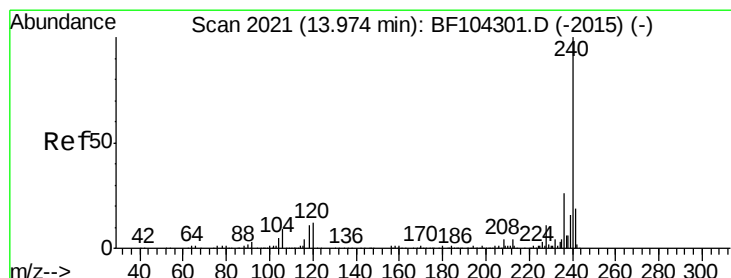
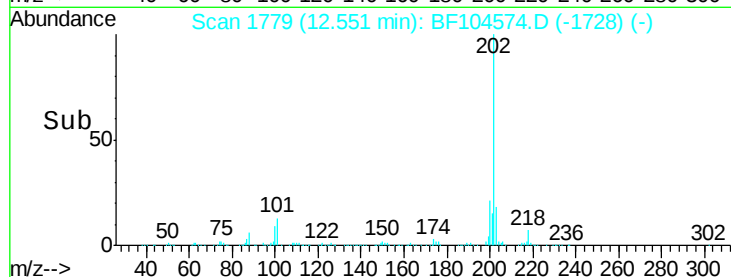
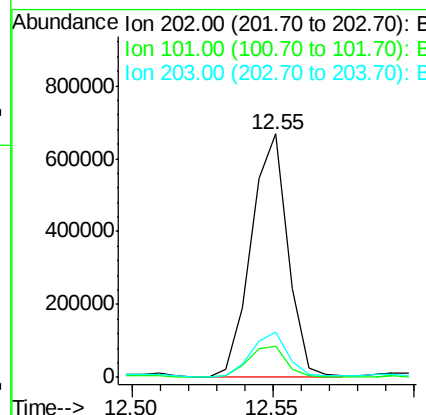
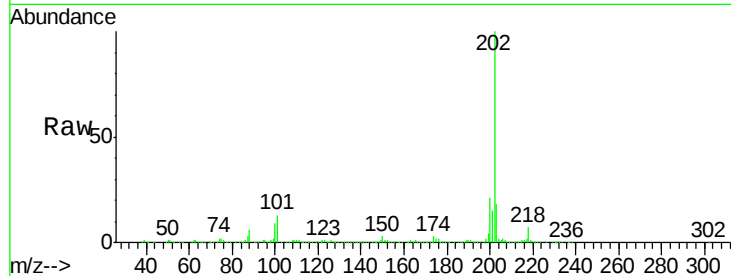
ClientSampleId :

20180243-COMPOSITE-E

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		594788		
101	12.7	0.0	34.1		
203	18.3	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

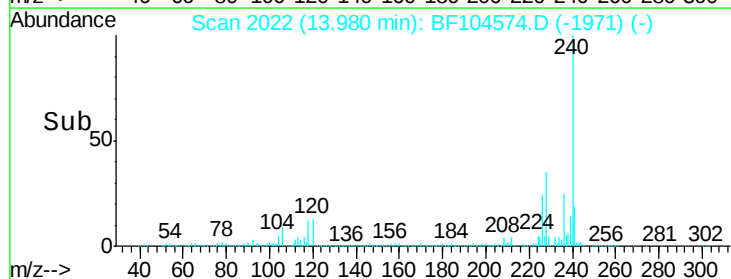
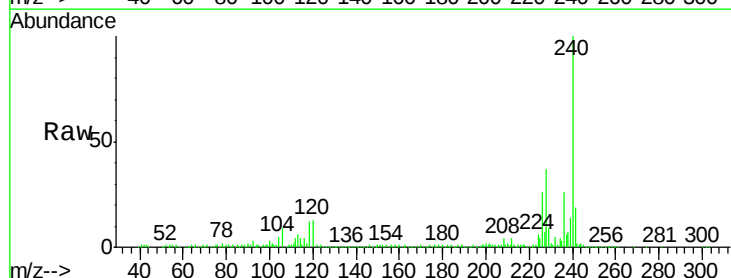
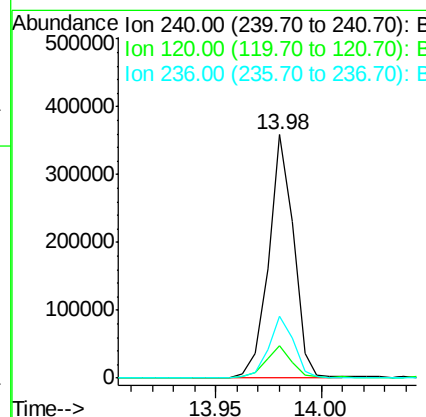
RT: 13.98 min Scan# 2022

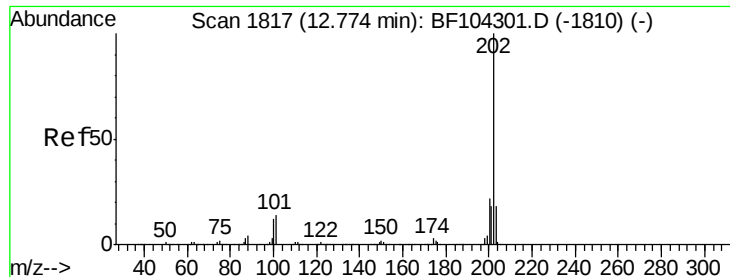
Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		293077		
120	13.5	9.5	14.3		
236	25.6	20.7	31.1		





#77

Pvrene

Concen: 41.012 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

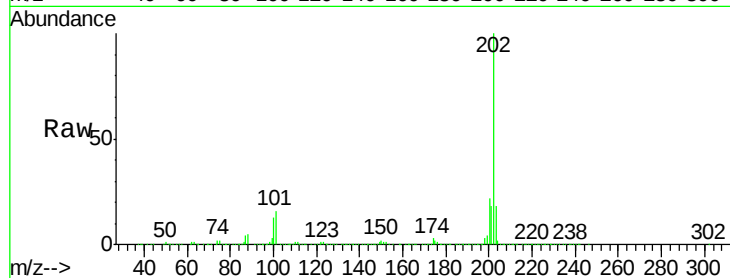
ClientSampleId :

20180243-COMPOSITE-E

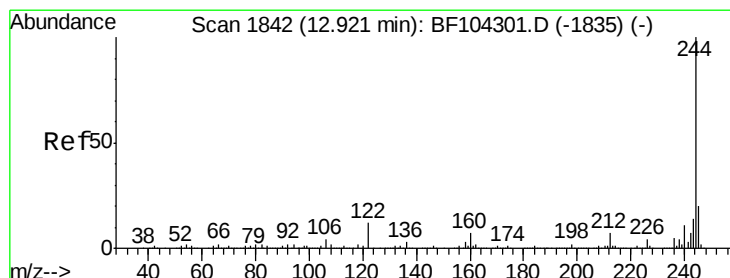
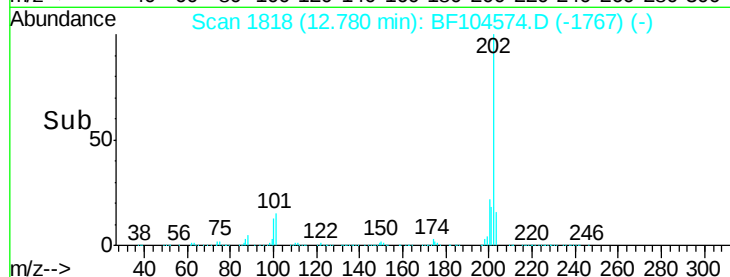
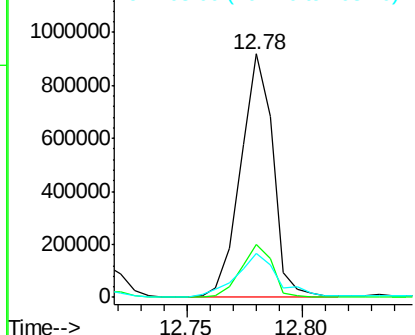
Tot Ion:	202	Resp:	890942
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.8	14.3	21.5

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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: 53.008 ng

RT: 12.92 min Scan# 1842

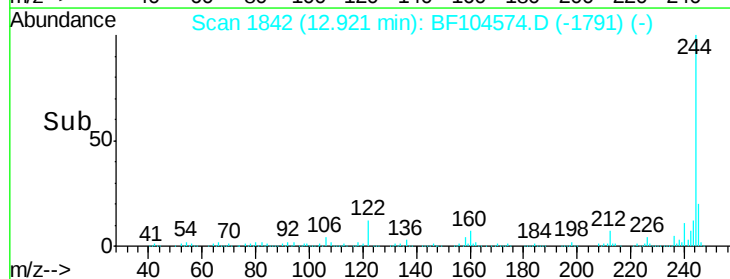
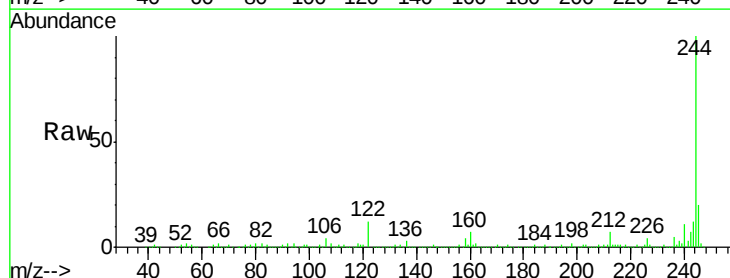
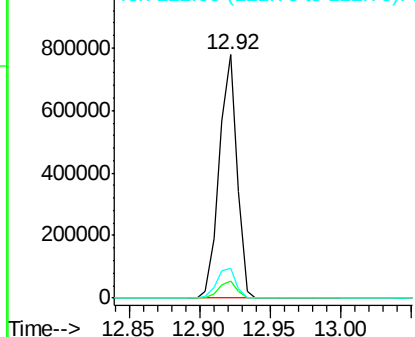
Delta R.T. 0.00 min

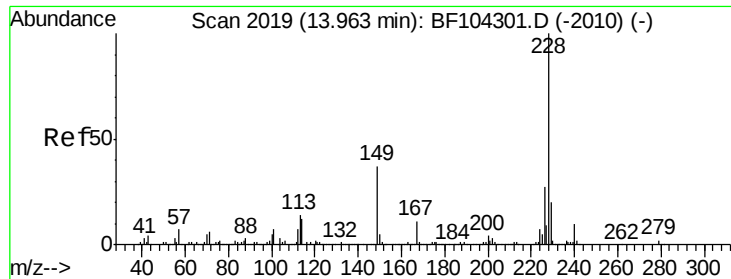
Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tgt Ion:	244	Resp:	681430
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.0	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





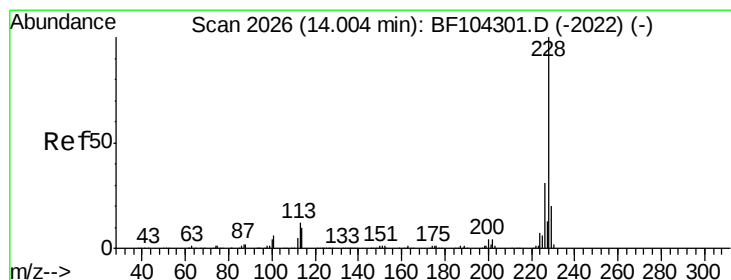
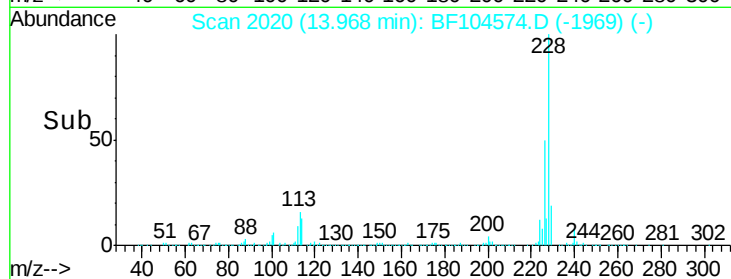
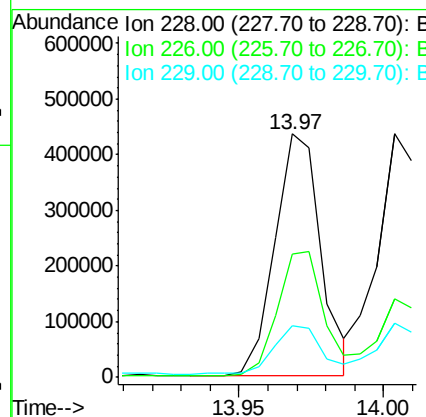
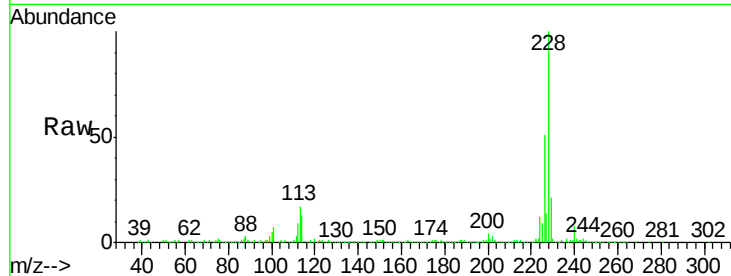
#80
Benzo(a)anthracene
Concen: 27.649 ng m
RT: 13.97 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :
20180243-COMPOSITE-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	50.9	22.6	33.8#
229	21.4	15.8	23.6

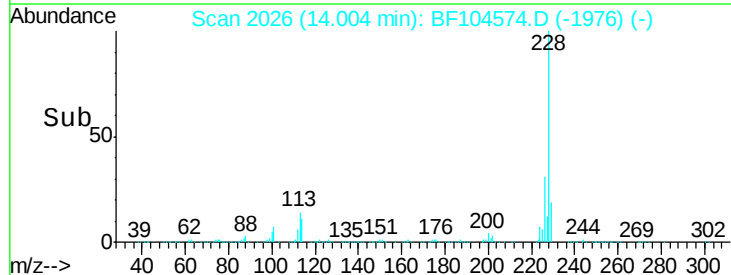
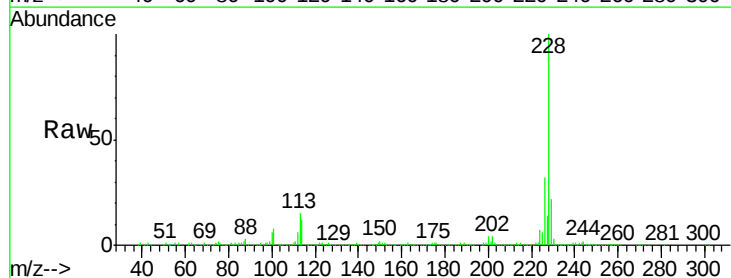
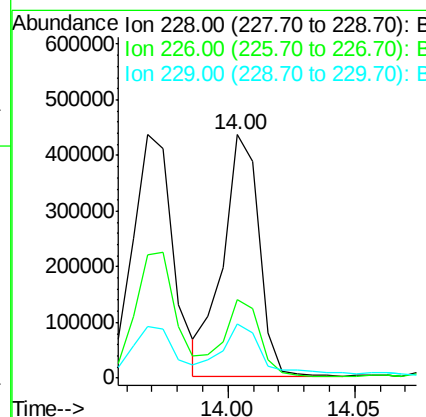
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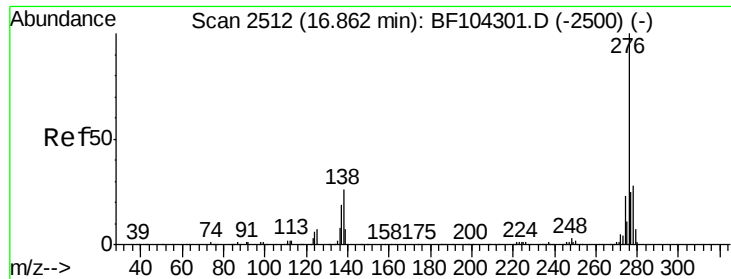
Sohil
4/18/2018 3:01:00 PM



#82
Chrysene
Concen: 24.019 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	22.4	16.2	24.4





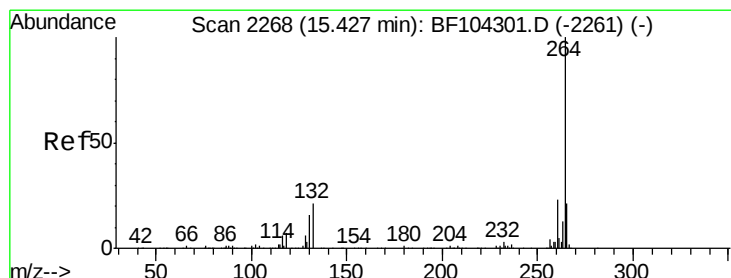
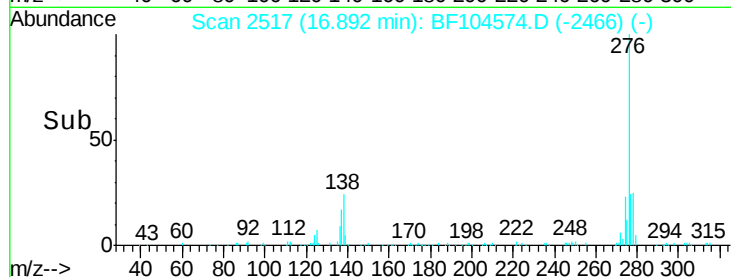
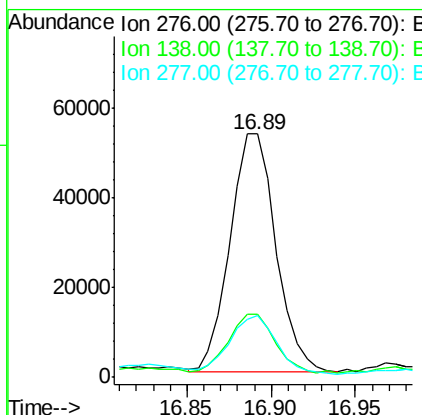
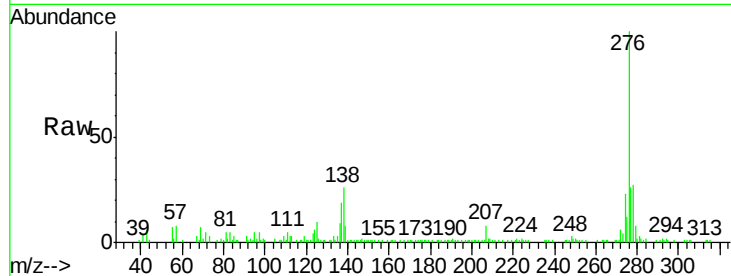
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.581 ng/ml
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :
20180243-COMPOSITE-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.6	25.0	37.6#
277	5.5	20.1	30.1#

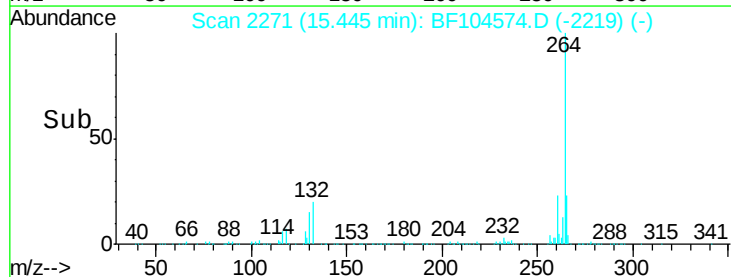
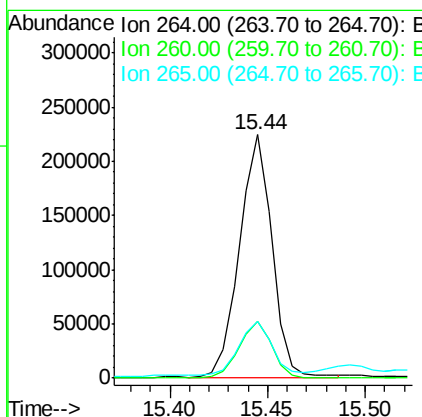
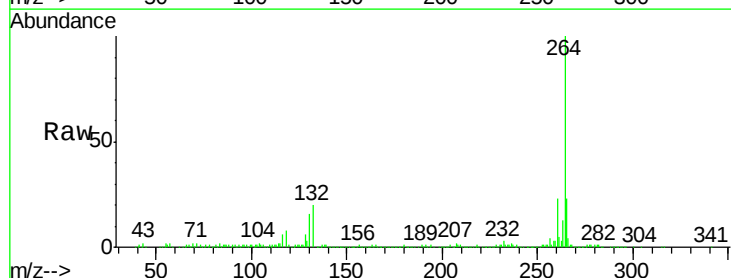
Manual Integrations
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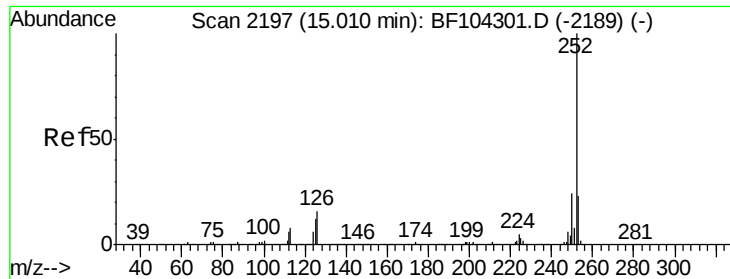
Sohil
4/18/2018 3:01:00 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 19.095 ng m

RT: 15.02 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Instrument :

BNA_F

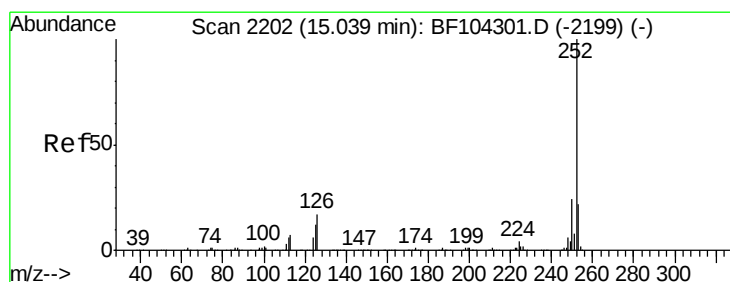
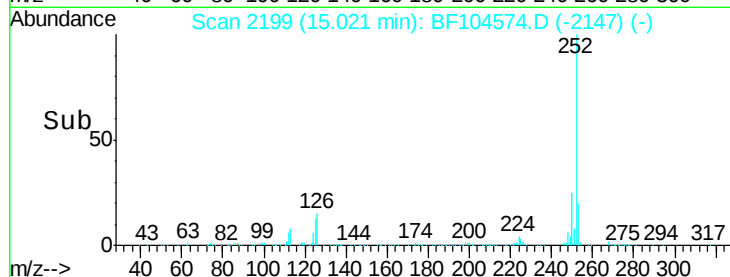
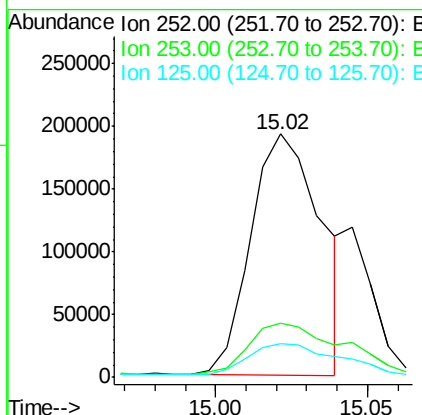
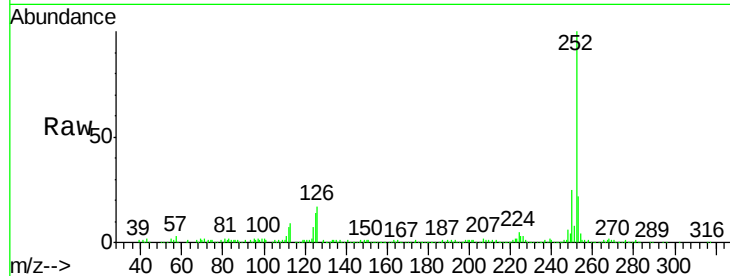
ClientSampleId :

20180243-COMPOSITE-E

Tot Ion:	252	Resp:	309618
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	13.9	9.0	13.6

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Sohil
4/18/2018 3:01:00 PM



#88

Benzo(k)fluoranthene

Concen: 5.236 ng m

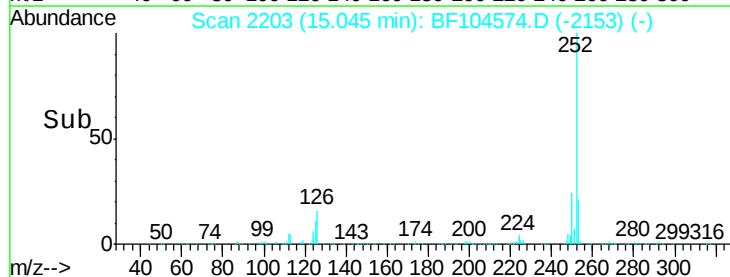
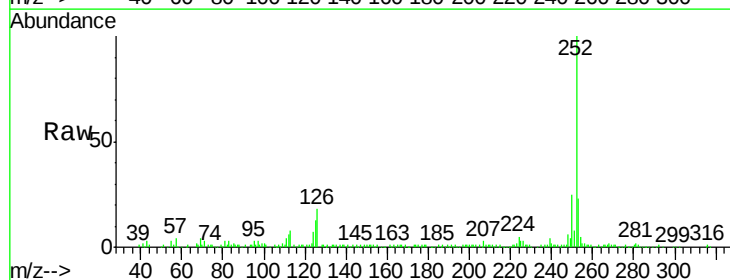
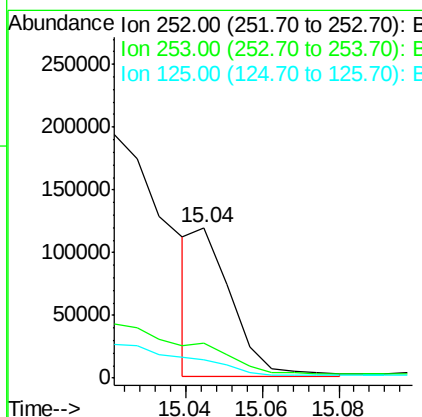
RT: 15.04 min Scan# 2203

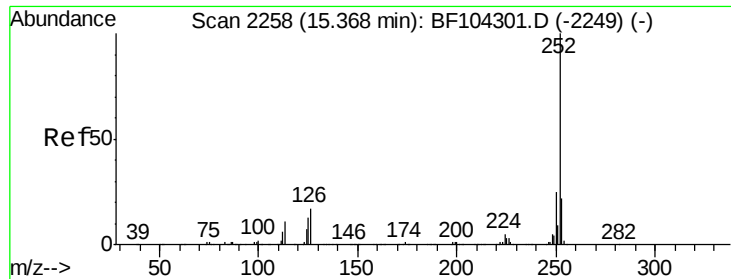
Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tgt Ion:	252	Resp:	80153
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.9	26.9
125	12.5	10.2	15.2





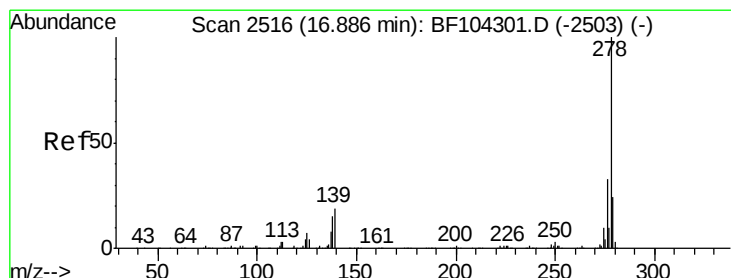
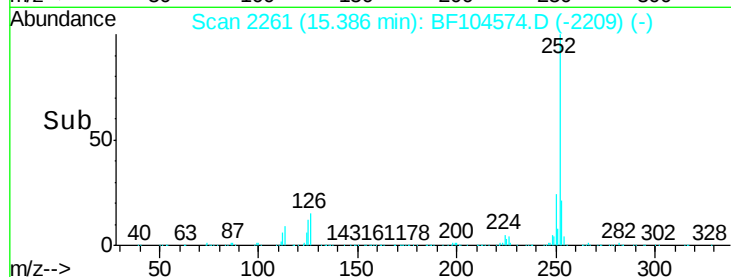
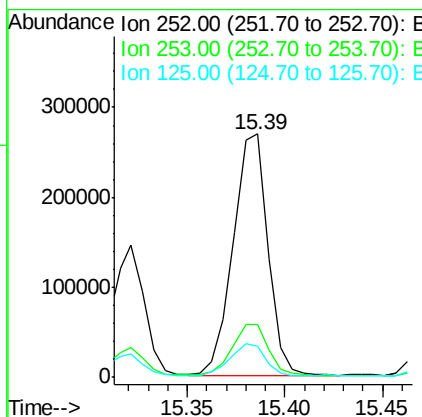
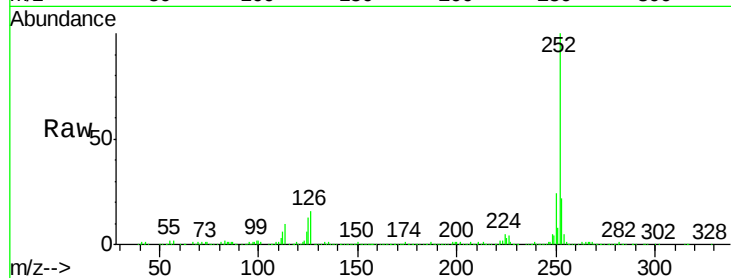
#89
Benzo(a)pyrene
Concen: 22.870 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Instrument :
BNA_F
ClientSampleId :
20180243-COMPOSITE-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	13.0	9.8	14.6

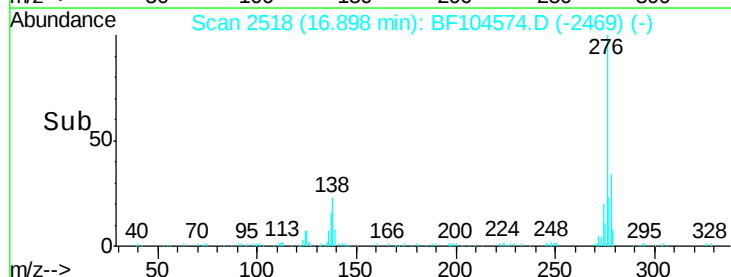
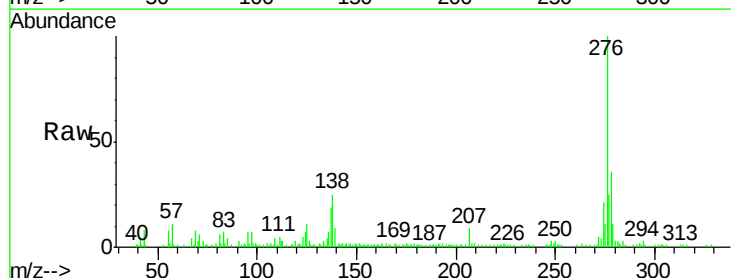
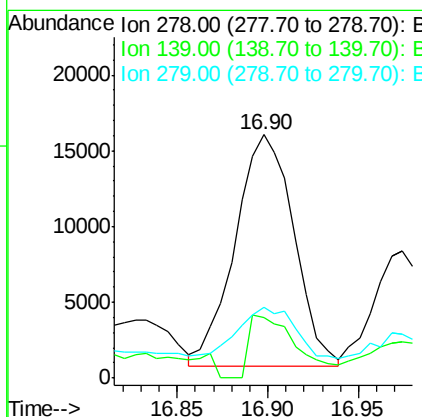
Manual Integrations
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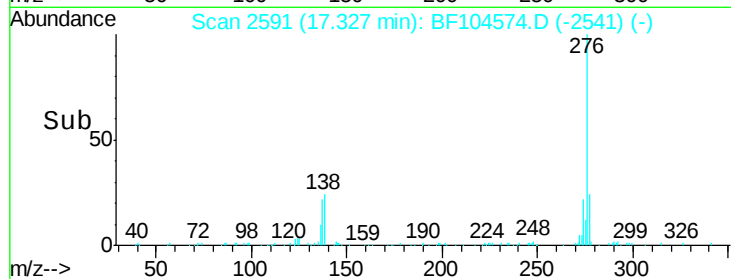
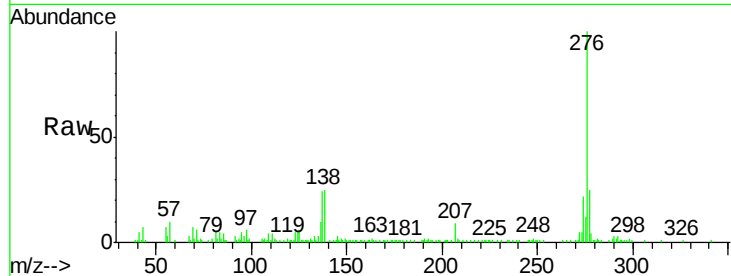
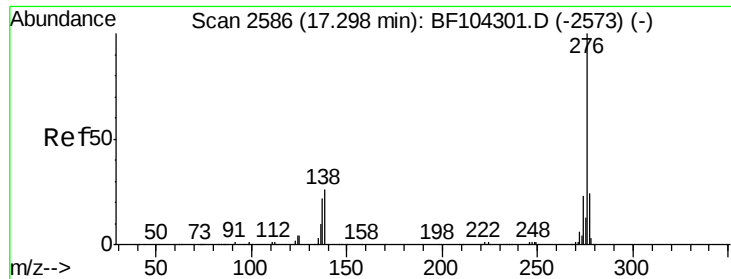
Sohil
4/18/2018 3:01:00 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.889 ng m
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF104574.D
Acq: 17 Apr 2018 21:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.1	15.9	23.9#
279	29.1	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 8.561 ng

RT: 17.33 min Scan# 2591

Delta R.T. -0.01 min

Lab File: BF104574.D

Acq: 17 Apr 2018 21:03

Tot Ion:	276	Resp:	98832
Ion Ratio	Lower	Upper	
276	100		
277	24.7	17.9	26.9
138	25.5	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

20180243-COMPOSITE-E

Manual Integrations
APPROVED

Sohil
4/18/2018 3:01:00 PM

