

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\
 Data File : BF109674.D
 Acq On : 9 Oct 2018 3:33
 Operator : JU/SJ
 Sample : J5263-02RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318RE

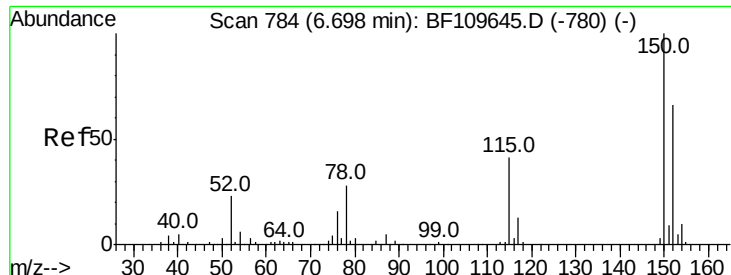
Manual Integrations
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 10/9/2018 2:57:54 PM

Quant Time: Oct 09 05:33:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	98787	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	407081	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	165800	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	284246	20.00	ng	0.00
75) Chrysene-d12	13.83	240	233417	20.00	ng	0.00
86) Perylene-d12	15.23	264	206999	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	163865	29.44	ng	0.00
7) Phenol-d6	6.35	99	366343	49.27	ng	-0.01
23) Nitrobenzene-d5	7.26	82	239537	32.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	136539	75.58	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	475934	39.53	ng	0.00
78) Terphenyl-d14	12.78	244	483712	40.12	ng	0.00
Target Compounds						
10) Phenol	6.36	94	17154	2.012	ng	Qvalue # 80
31) Naphthalene	8.00	128	53790	2.857	ng	98
49) Dimethylphthalate	9.45	163	74816	6.153	ng	99
51) Acenaphthene	9.76	154	23384	2.438	ng	98
54) Dibenzofuran	9.93	168	32441	2.257	ng	95
57) Fluorene	10.27	166	38578	3.594	ng	96
70) Phenanthrene	11.23	178	435495	30.615	ng	100
71) Anthracene	11.28	178	119578	8.132	ng	99
72) Carbazole	11.44	167	52636	3.691	ng	98
74) Fluoranthene	12.41	202	568999	38.290	ng	99
77) Pyrene	12.63	202	486839	28.467	ng	99
80) Benzo(a)anthracene	13.82	228	272354	21.144	ng	97
82) Chrysene	13.85	228	234819	17.356	ng	97
85) Indeno(1,2,3-cd)pyrene	16.57	276	95877	9.900	ng	94
87) Benzo(b)fluoranthene	14.83	252	253325m	22.145	ng	
88) Benzo(k)fluoranthene	14.86	252	89003m	7.744	ng	
89) Benzo(a)pyrene	15.17	252	180940	17.430	ng	100
90) Dibenzo(a,h)anthracene	16.57	278	25023m	2.935	ng	
91) Benzo(a,h,i)perylene	16.97	276	84110	9.880	ng	99

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



#1

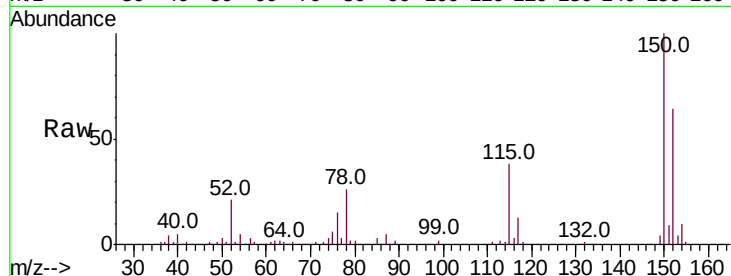
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.7	184.1
115	59.5	49.1	73.7

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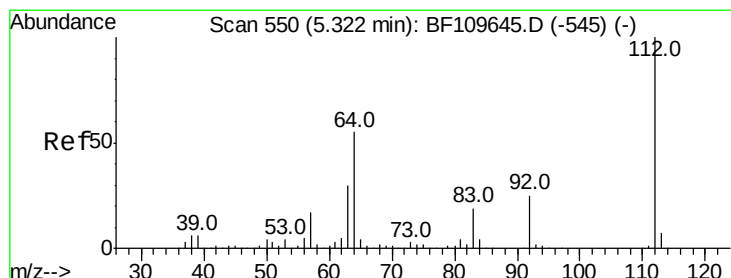
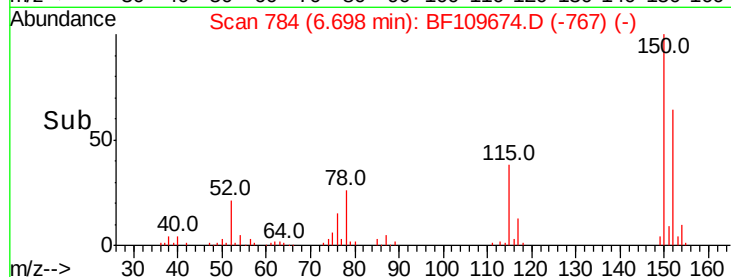
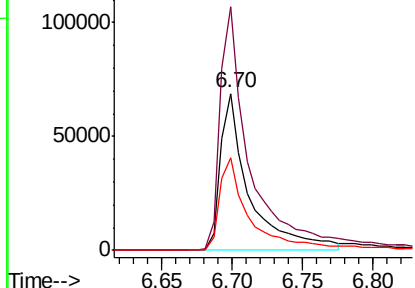


Abundance

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



#5

2-Fluorophenol
Concen: 29.444 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

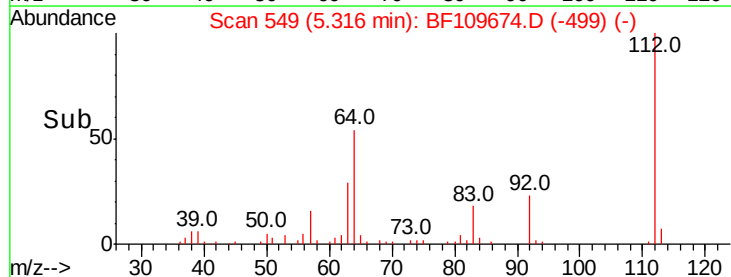
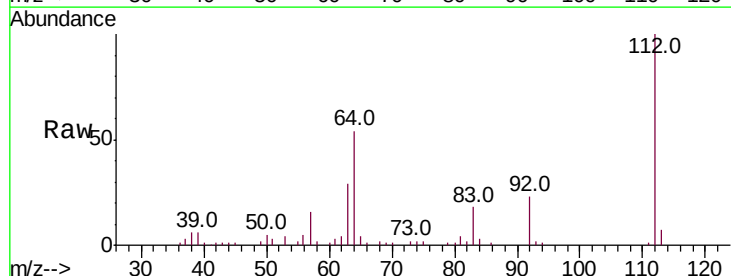
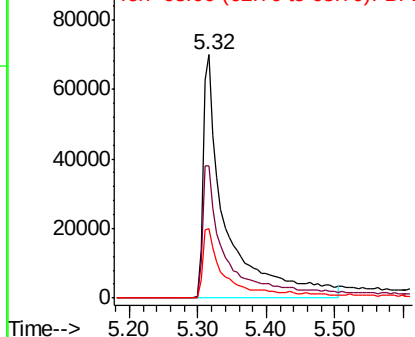
Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	44.1	66.1
63	28.5	23.7	35.5

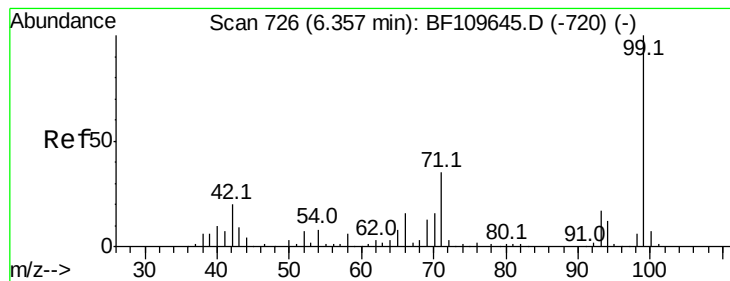
Abundance

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





#7

Phenol-d6

Concen: 49.275 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109674.D

Acq: 9 Oct 2018 3:33

Instrument :

BNA_F

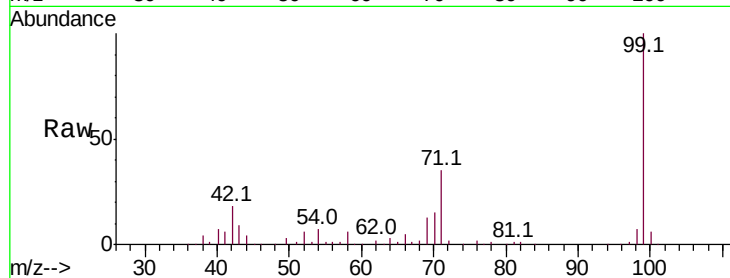
ClientSampleId :

GRID11-COMP-100318RE

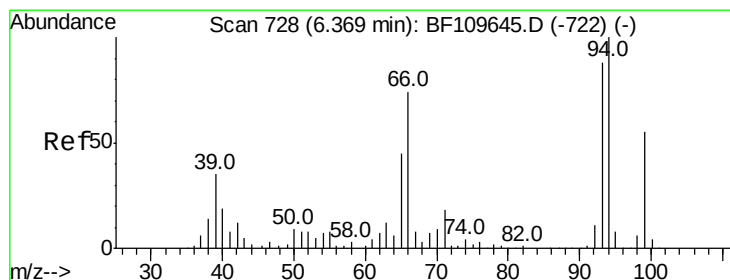
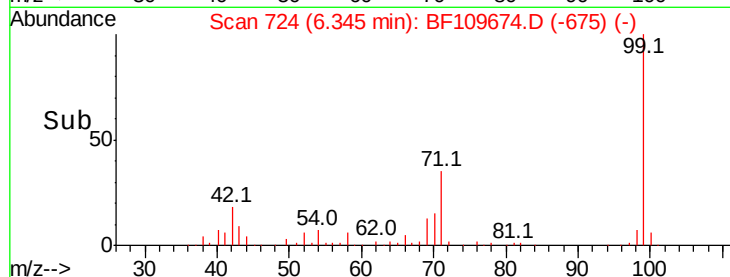
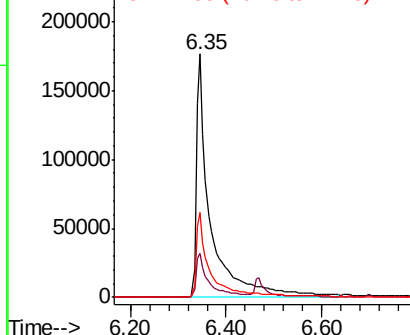
Tot Ion:	99	Resp:	366343
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.8	23.6
71	34.9	28.0	42.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.012 ng

RT: 6.36 min Scan# 726

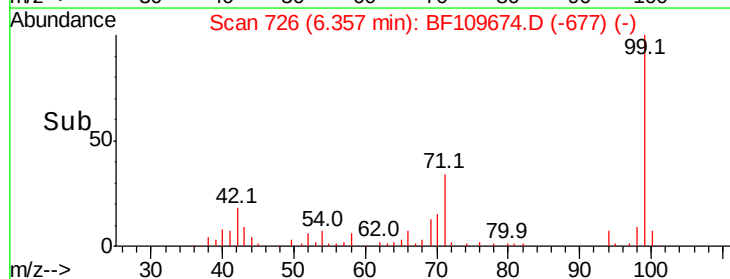
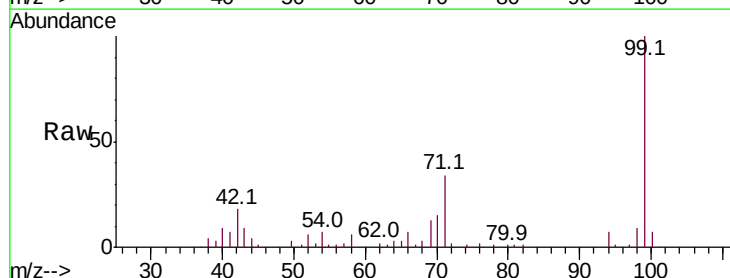
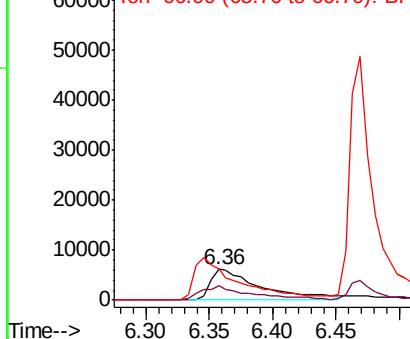
Delta R.T. -0.01 min

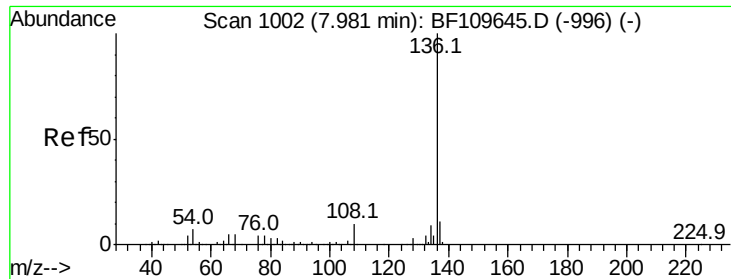
Lab File: BF109674.D

Acq: 9 Oct 2018 3:33

Tgt Ion:	94	Resp:	17154
Ion	Ratio	Lower	Upper
94	100		
65	45.6	25.3	65.3
66	101.8	54.5	94.5#

Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





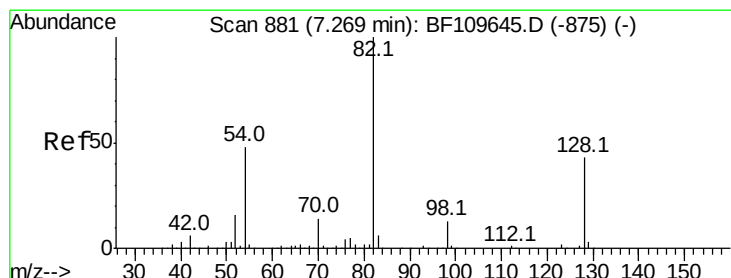
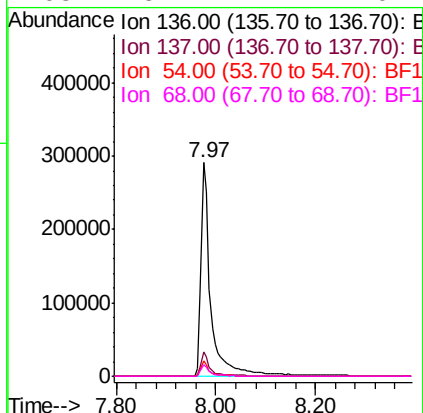
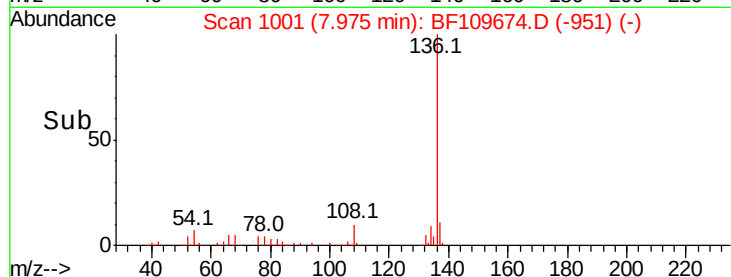
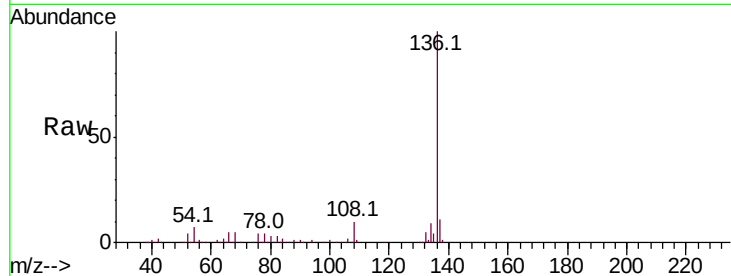
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318RE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	407081		
137	11.4	8.8	13.2	
54	7.0	5.4	8.2	
68	5.2	4.2	6.2	

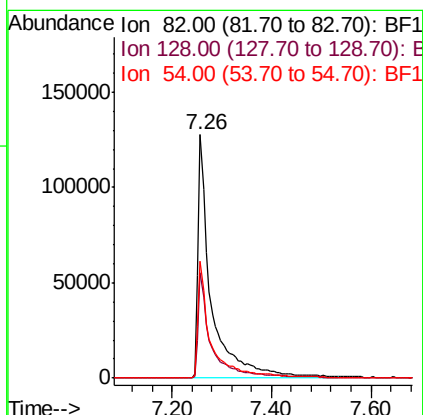
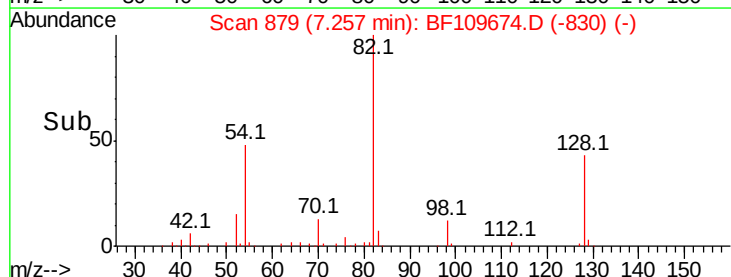
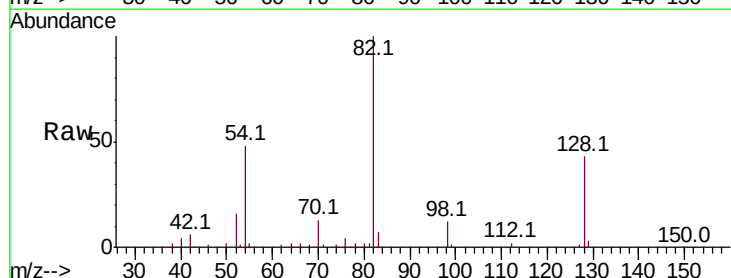
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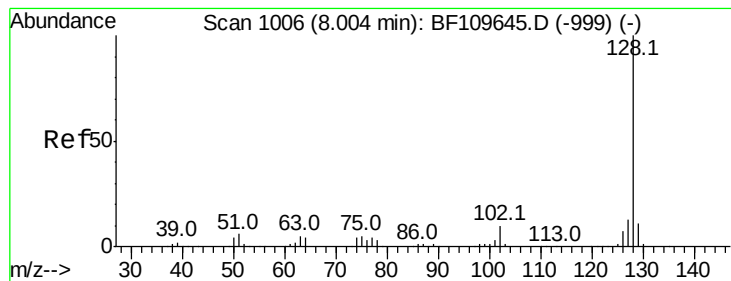
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#23
Nitrobenzene-d5
Concen: 32.436 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	239537		
128	43.1	34.2	51.2	
54	47.9	38.6	58.0	





#31

Naphthalene

Concen: 2.857 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF109674.D

Acq: 9 Oct 2018 3:33

Instrument :

BNA_F

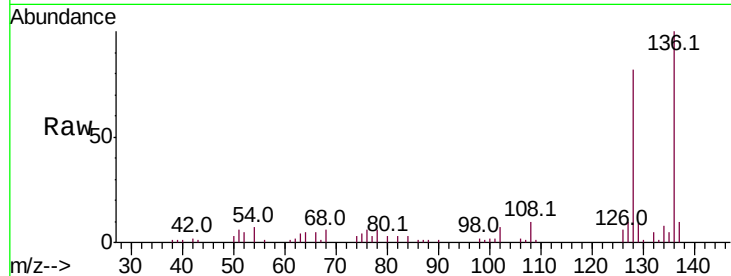
ClientSampleId :

GRID11-COMP-100318RE

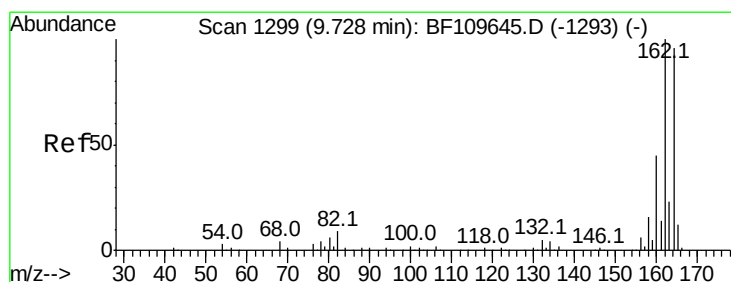
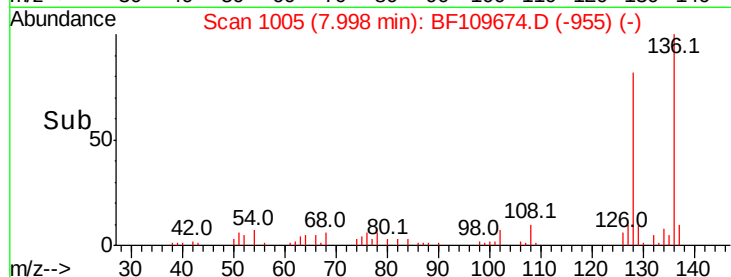
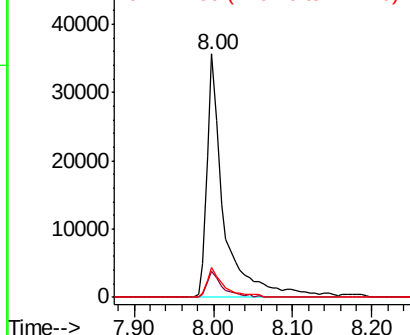
Tot Ion:	128	Resp:	53790
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	12.1	10.8	16.2

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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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

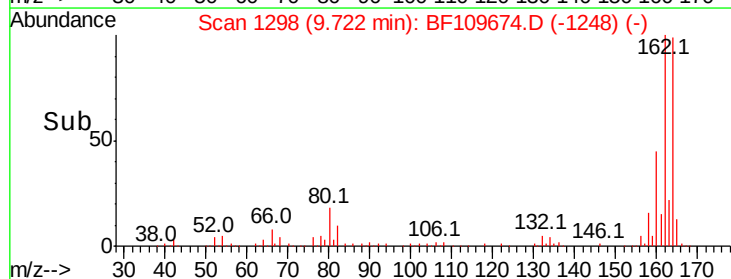
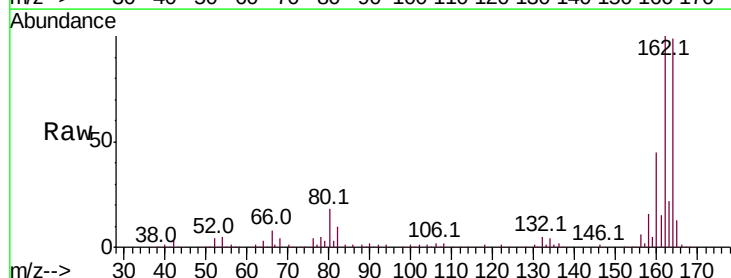
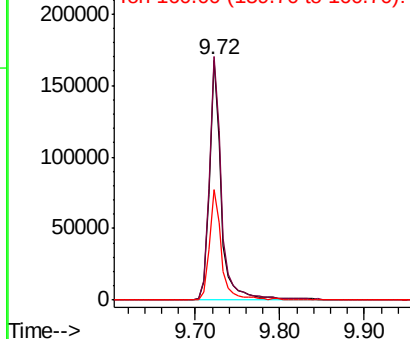
Delta R.T. -0.01 min

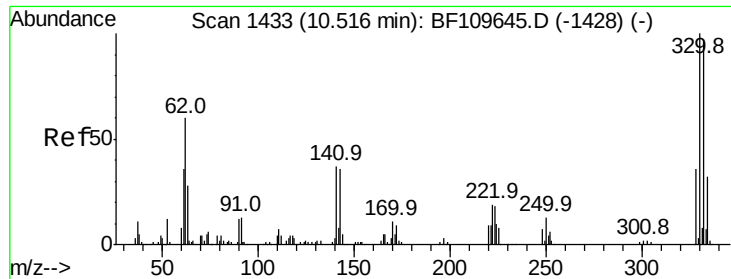
Lab File: BF109674.D

Acq: 9 Oct 2018 3:33

Tgt Ion:	164	Resp:	165800
Ion Ratio	Lower	Upper	
164	100		
162	101.3	83.0	124.6
160	45.8	37.0	55.6

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





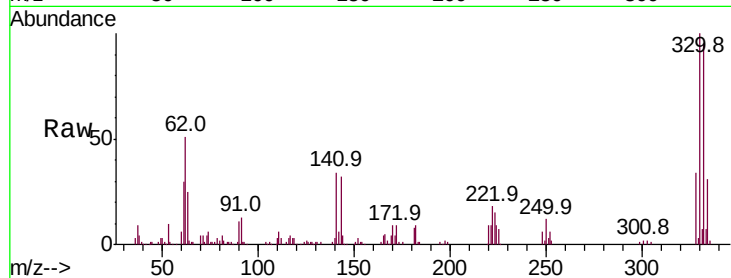
#41
 2,4,6-Tribromophenol
 Concen: 75.579 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109674.D
 Acq: 9 Oct 2018 3:33

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	35.8	27.0	40.4

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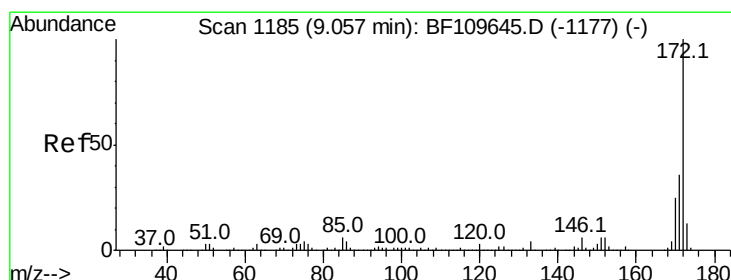
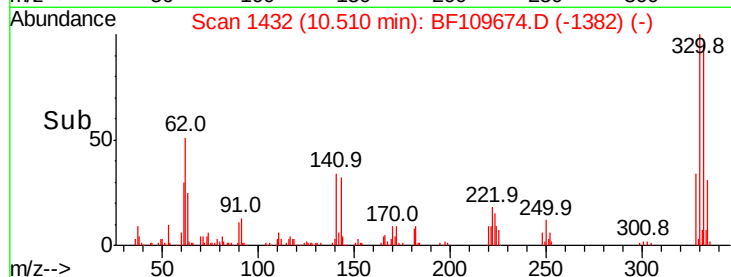
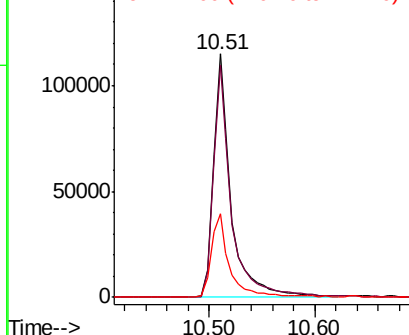


Abundance

Ion 329.80 (329.50 to 330.50): E

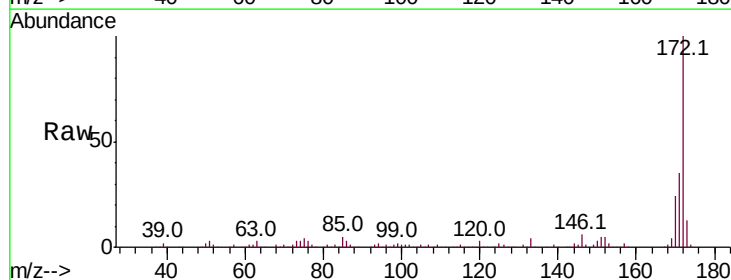
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 39.534 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109674.D
 Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.6	19.7	29.5

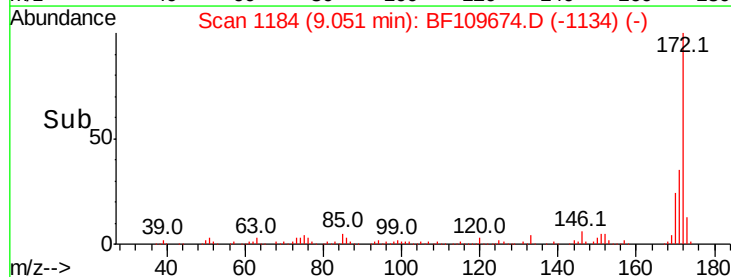
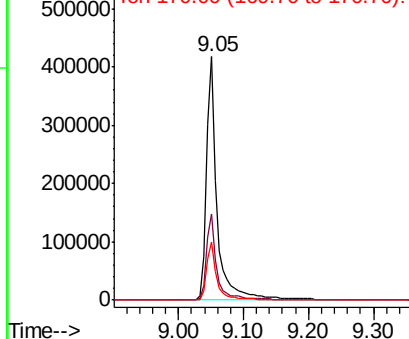


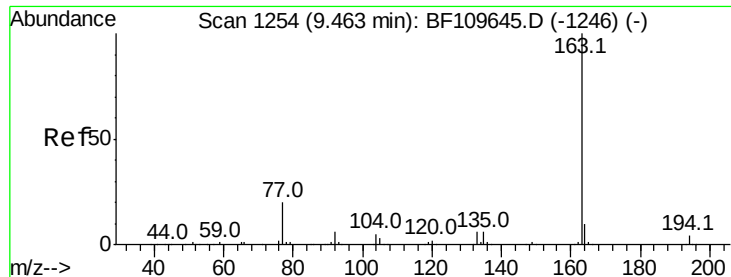
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





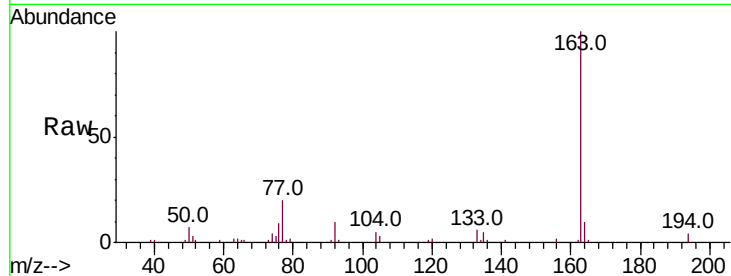
#49
Dimethylphthalate
Concen: 6.153 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	9.7	8.1	12.1

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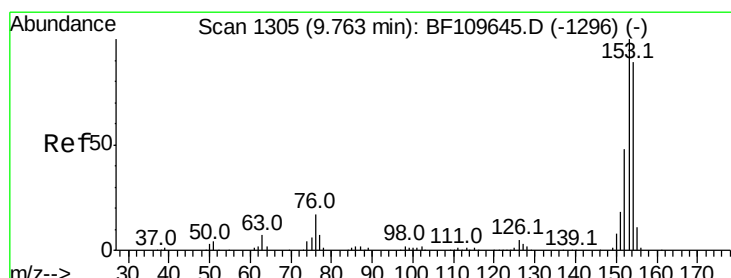
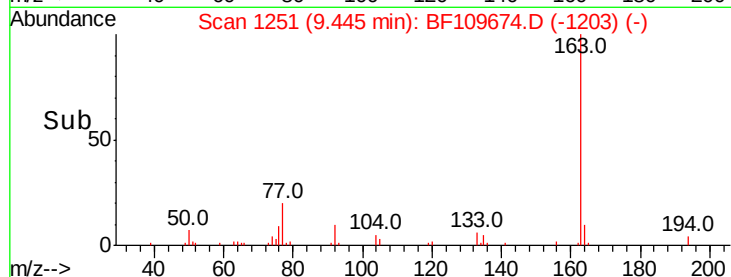
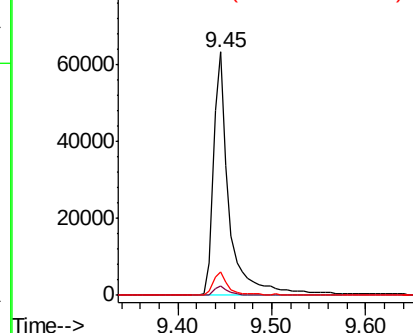


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 2.438 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

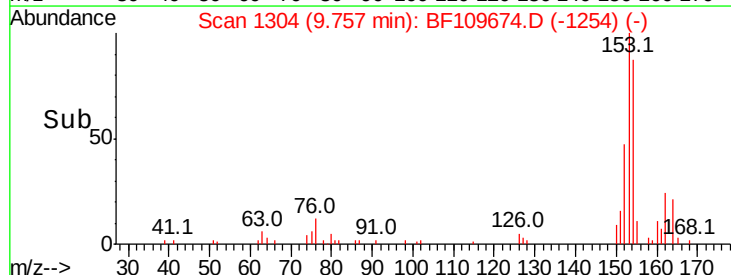
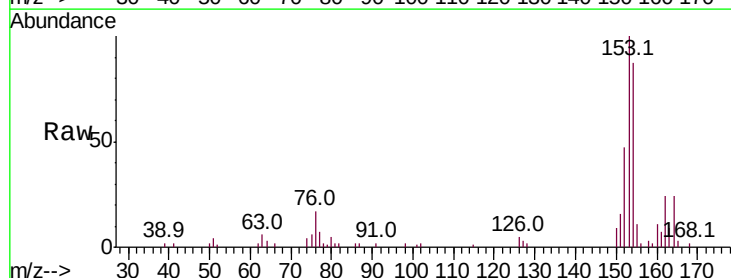
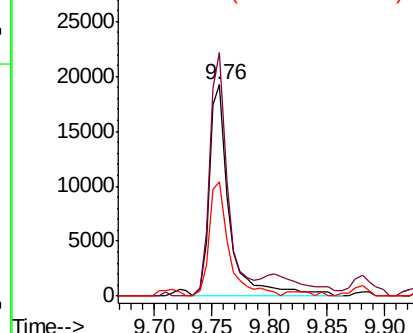
Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.3	90.1	135.1
152	54.2	43.4	65.2

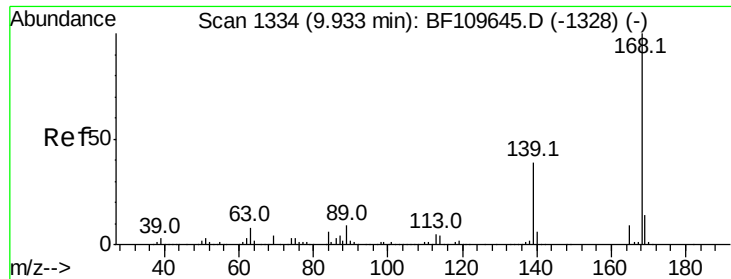
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





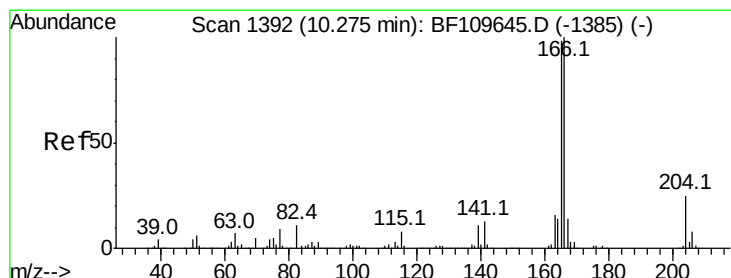
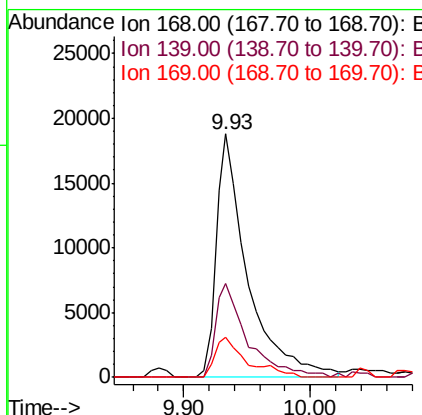
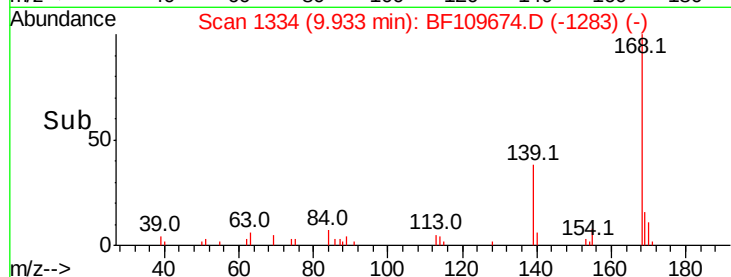
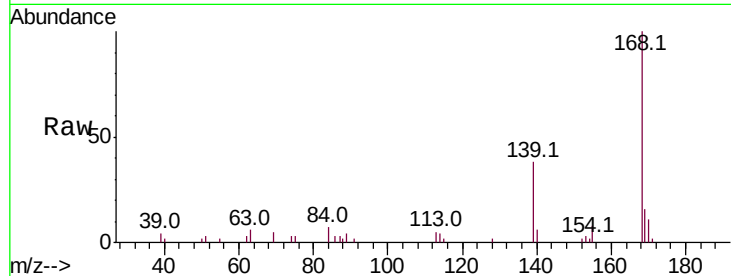
#54
Dibenzofuran
Concen: 2.257 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318RE

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	33.0	49.6
169	16.3	11.3	16.9

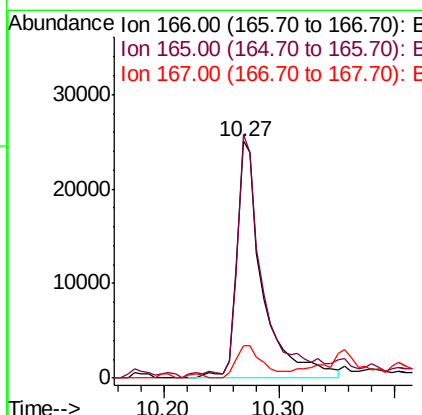
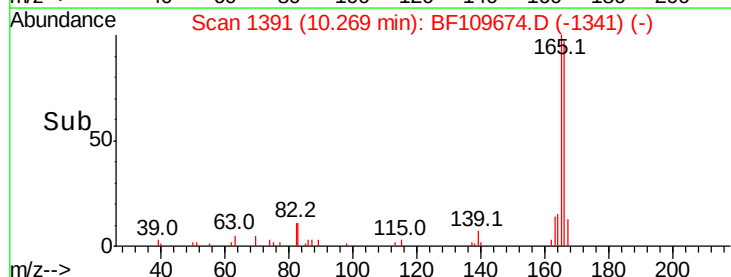
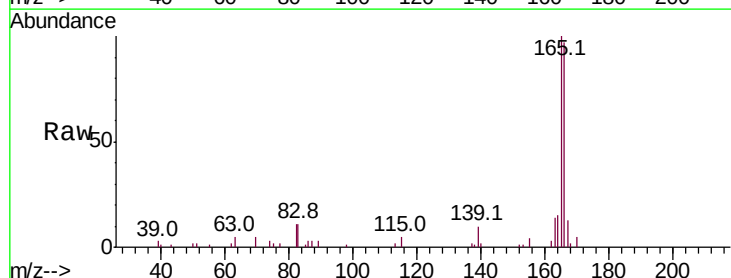
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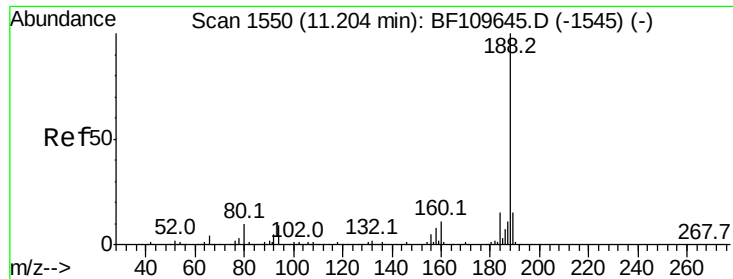
Sohil
10/9/2018 2:57:54 PM



#57
Fluorene
Concen: 3.594 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.7	78.6	117.8
167	13.7	10.8	16.2





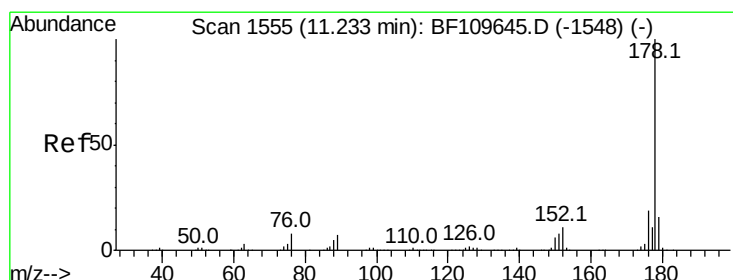
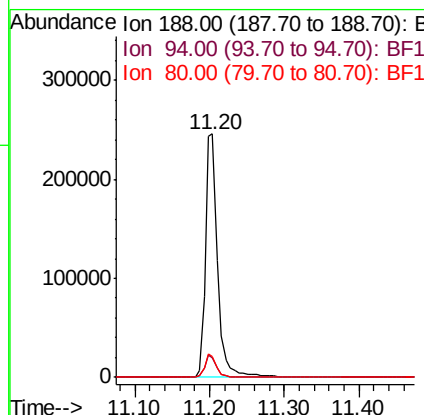
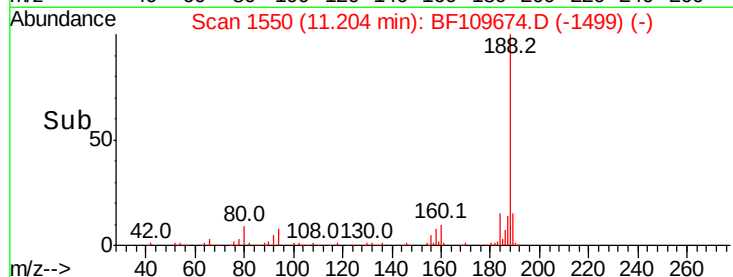
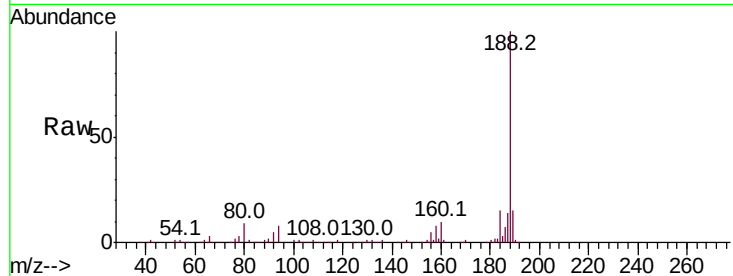
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318RE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	284246		
94	8.2		7.2	10.8
80	8.7		7.9	11.9

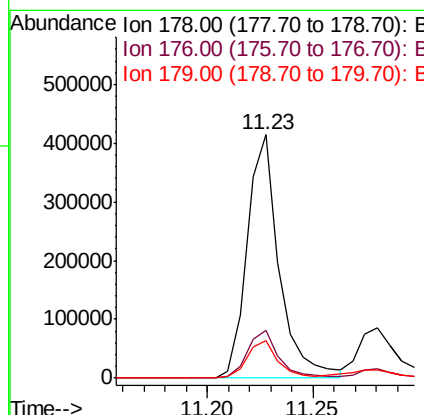
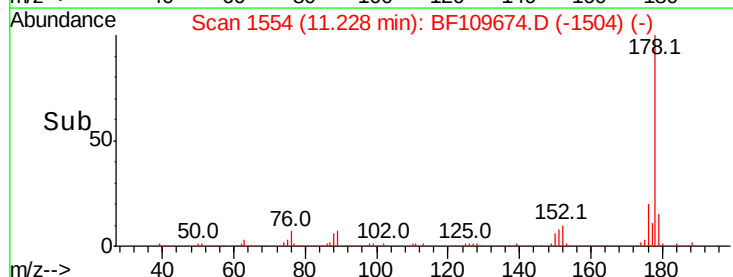
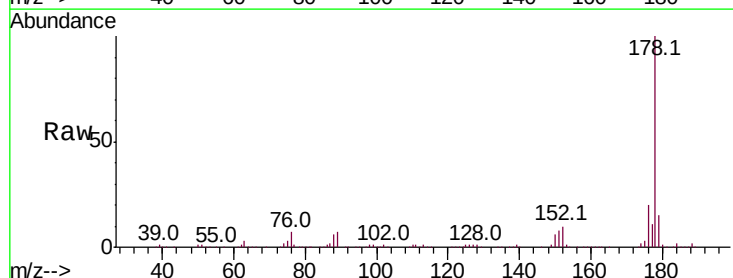
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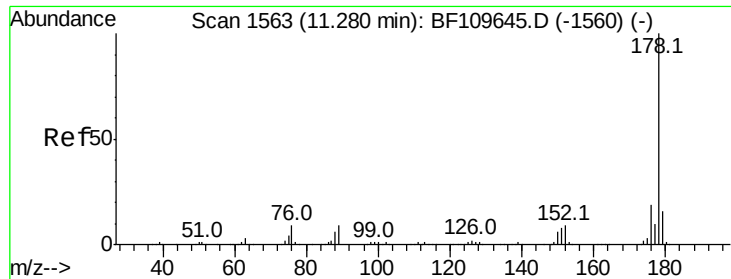
Sohil
10/9/2018 2:57:54 PM



#70
Phenanthrene
Concen: 30.615 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	435495		
176	19.6		15.5	23.3
179	15.4		12.5	18.7





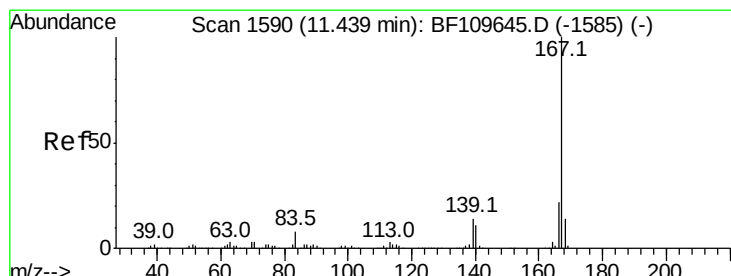
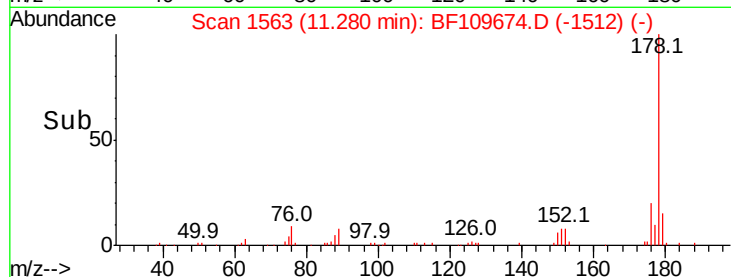
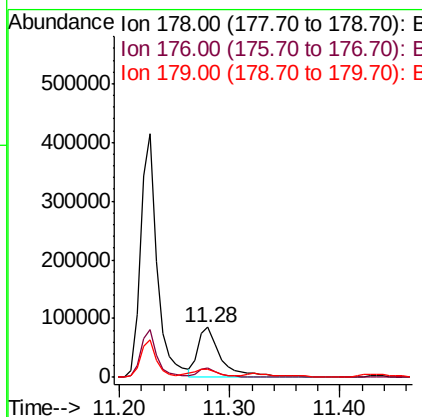
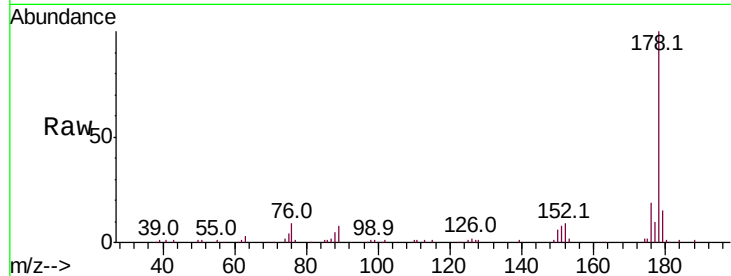
#71
 Anthracene
 Concen: 8.132 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: BF109674.D
 Acq: 9 Oct 2018 3:33

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.3	12.6	18.8

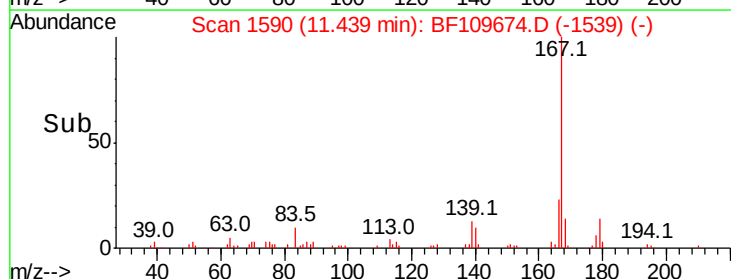
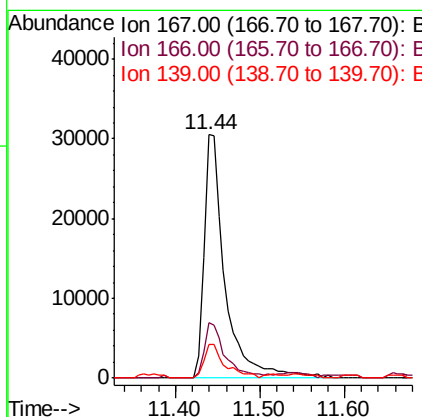
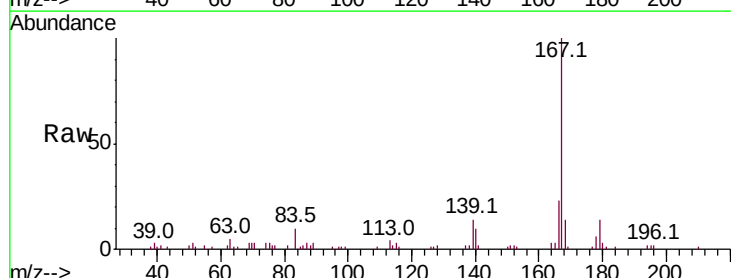
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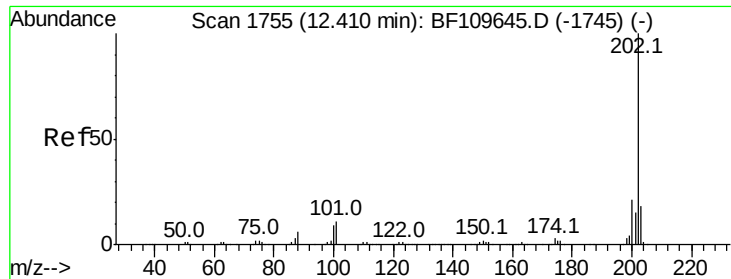
Sohil
 10/9/2018 2:57:54 PM



#72
 Carbazole
 Concen: 3.691 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: BF109674.D
 Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.4	26.0
139	13.8	10.9	16.3





#74

Fluoranthene

Concen: 38.290 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF109674.D

Acq: 9 Oct 2018 3:33

Instrument :

BNA_F

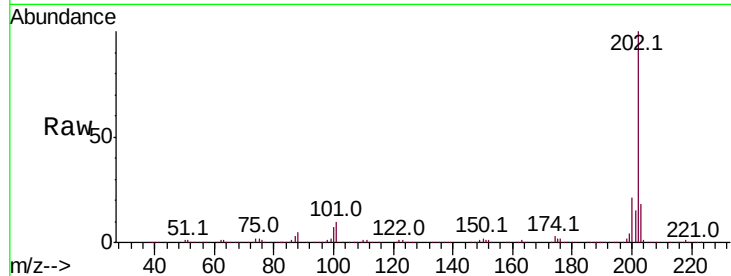
ClientSampleId :

GRID11-COMP-100318RE

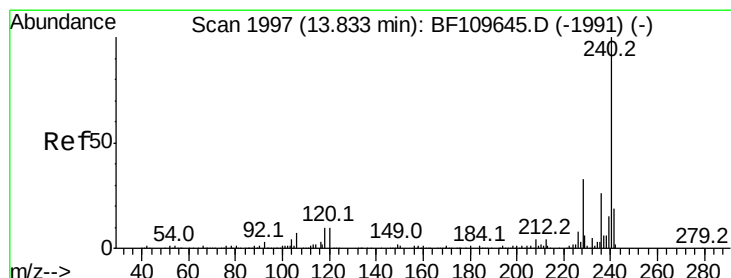
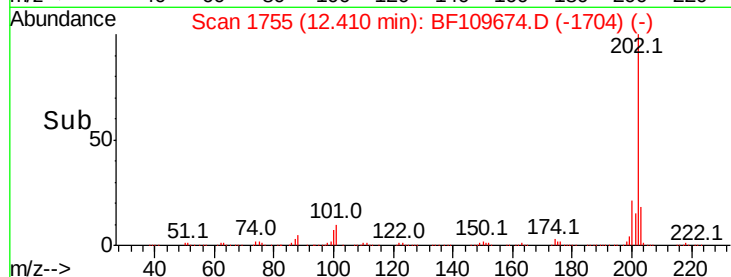
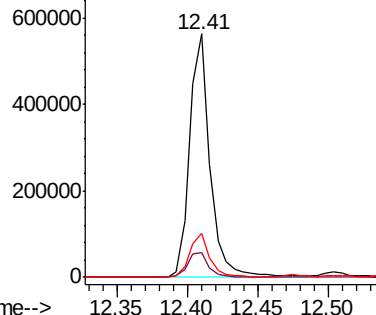
Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.2	0.0	31.4	
203	17.8	0.0	37.7	

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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

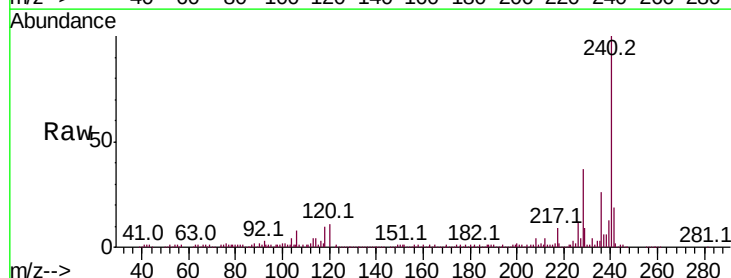
RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

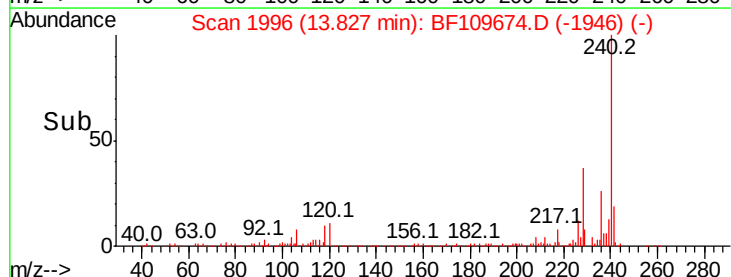
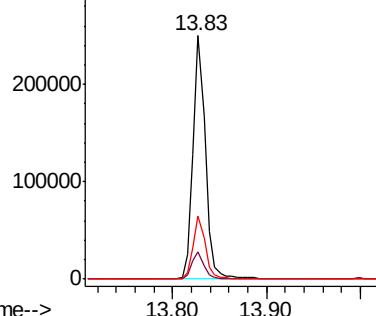
Lab File: BF109674.D

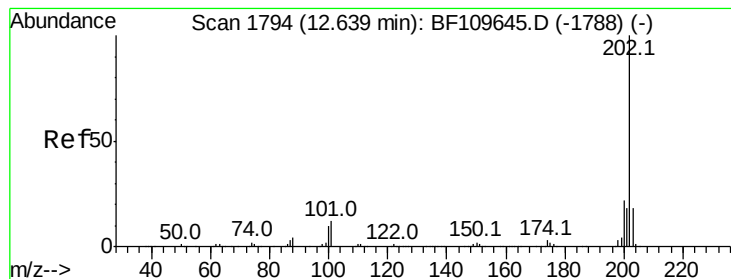
Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.0	8.3	12.5	
236	26.2	21.2	31.8	



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





#77

Pvrene

Concen: 28.467 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109674.D

Acq: 9 Oct 2018 3:33

Instrument :

BNA_F

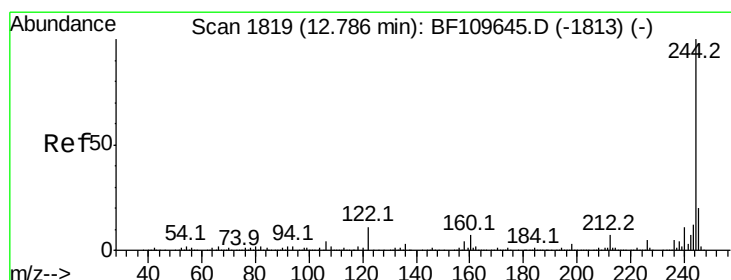
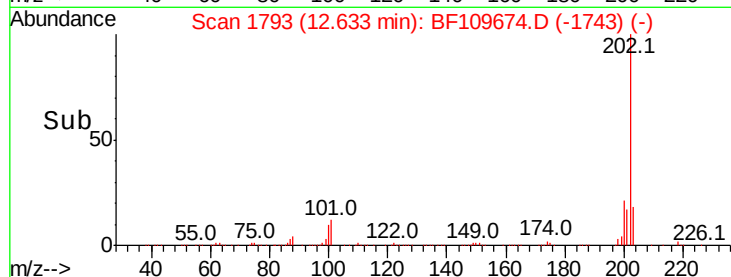
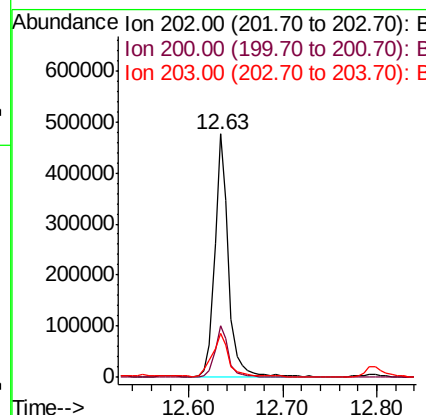
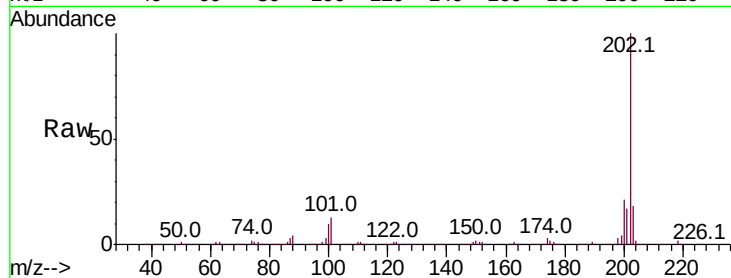
ClientSampleId :

GRID11-COMP-100318RE

Tot Ion:	202	Resp:	486839
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.8	26.6
203	18.1	14.2	21.4

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#78

Terphenyl-d14

Concen: 40.117 ng

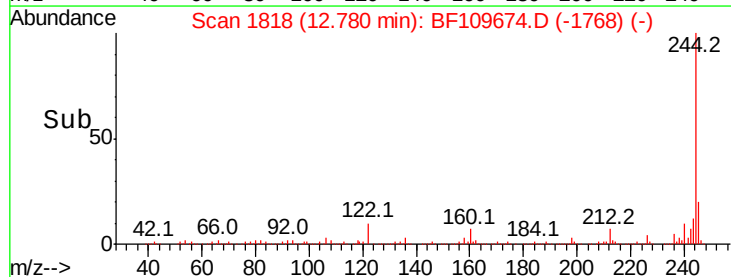
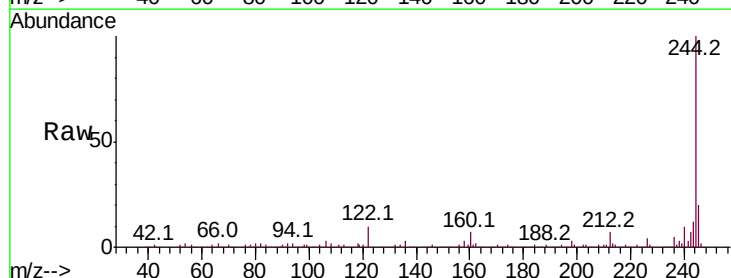
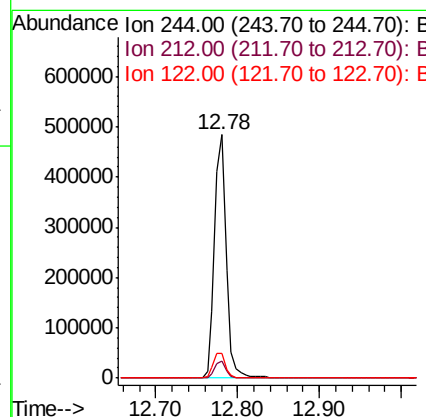
RT: 12.78 min Scan# 1818

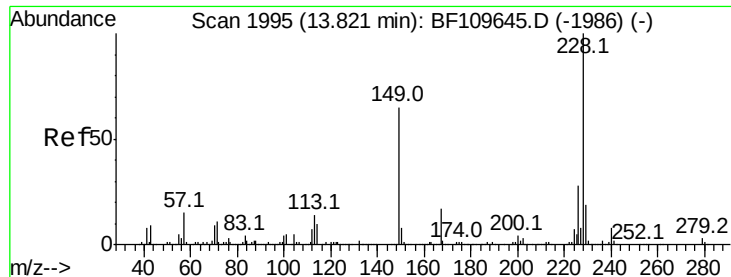
Delta R.T. -0.01 min

Lab File: BF109674.D

Acq: 9 Oct 2018 3:33

Tgt Ion:	244	Resp:	483712
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.8
122	10.2	8.7	13.1





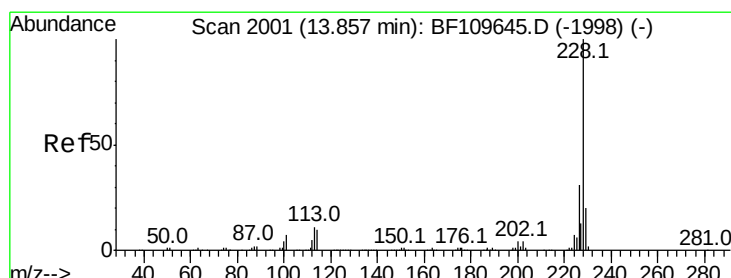
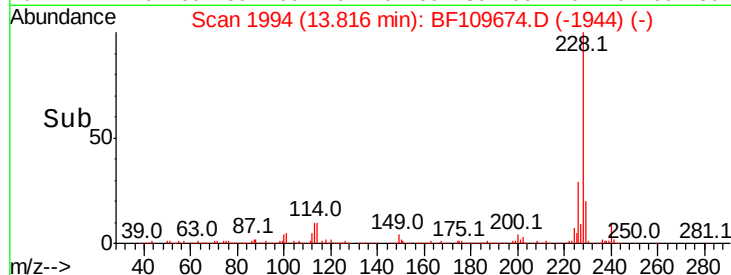
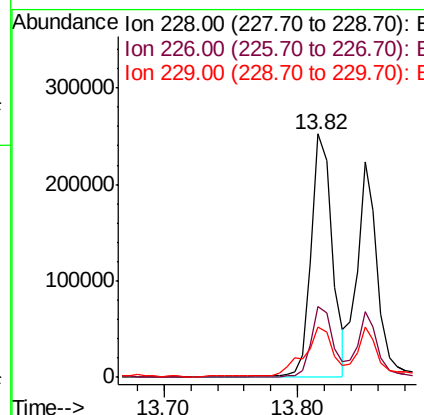
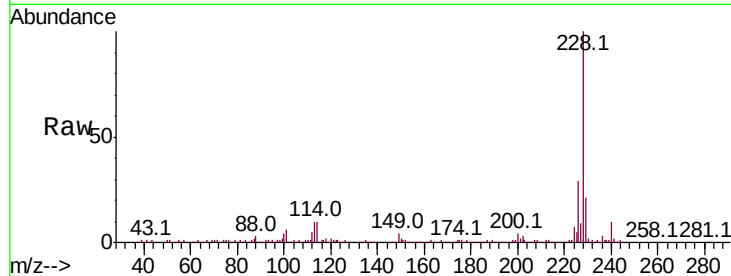
#80
Benzo(a)anthracene
Concen: 21.144 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.1	33.1
229	20.8	15.6	23.4

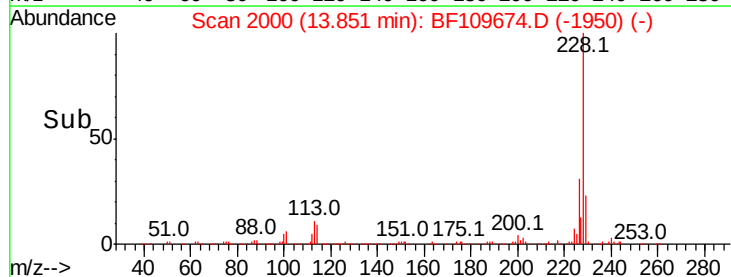
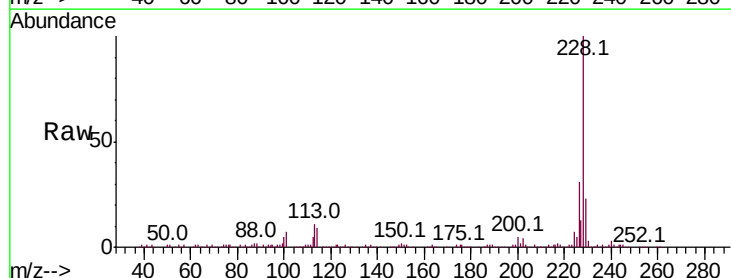
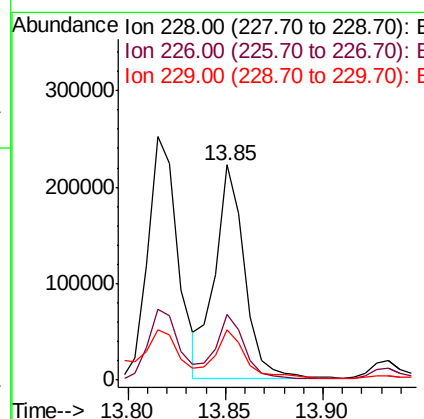
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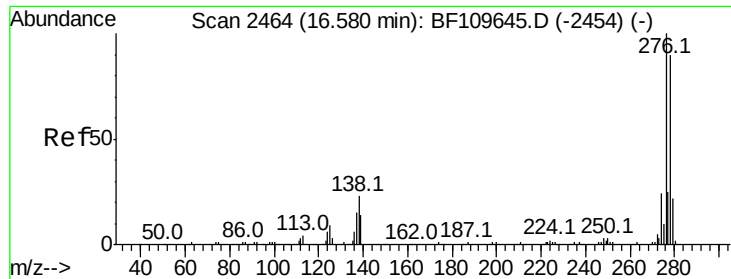
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#82
Chrysene
Concen: 17.356 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	23.2	15.9	23.9





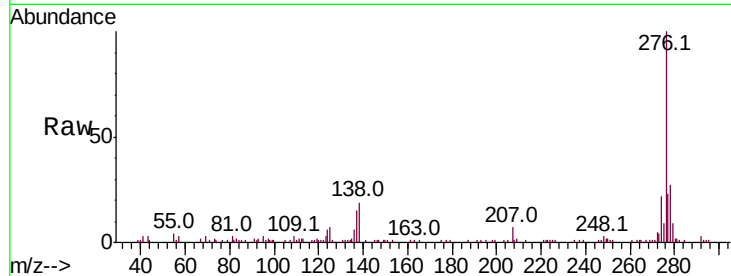
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.900 ng
RT: 16.57 min Scan# 2463
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318RE

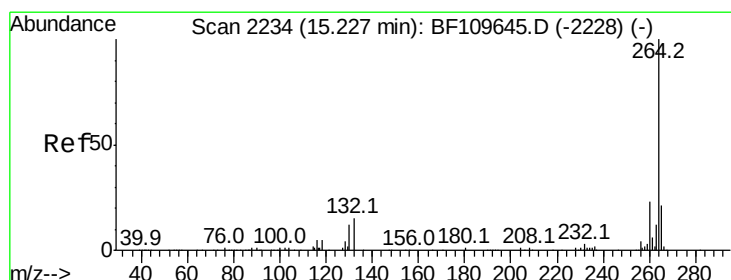
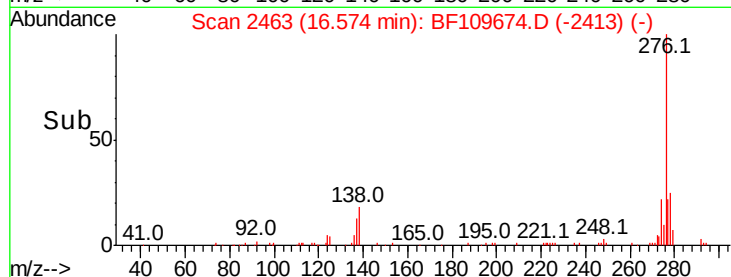
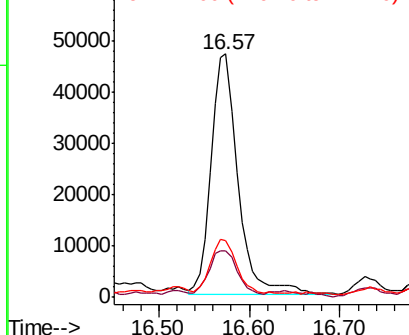
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.5	27.7
277	22.0	20.0	30.0

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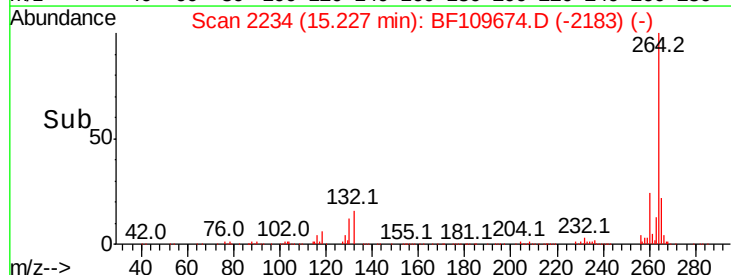
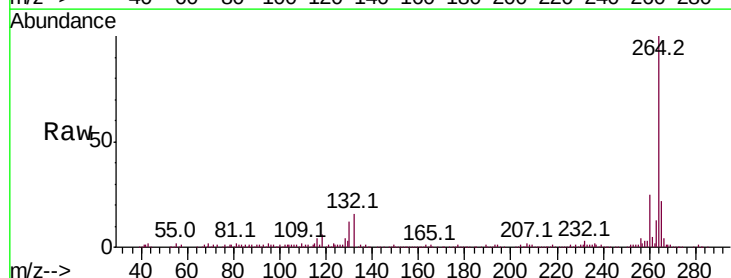
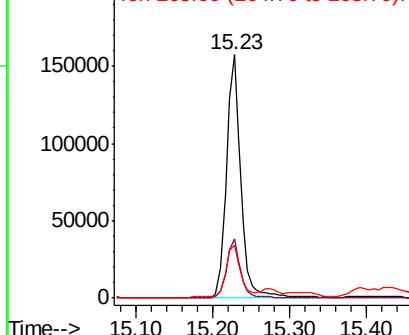
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

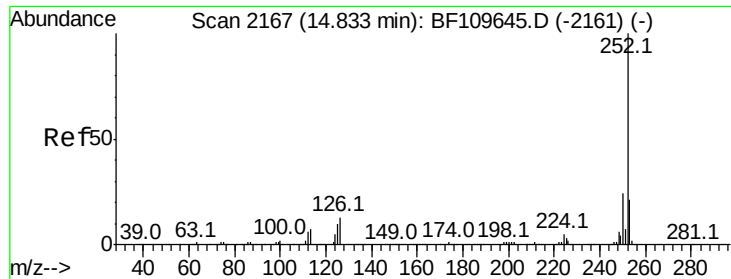


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	22.0	16.7	25.1

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





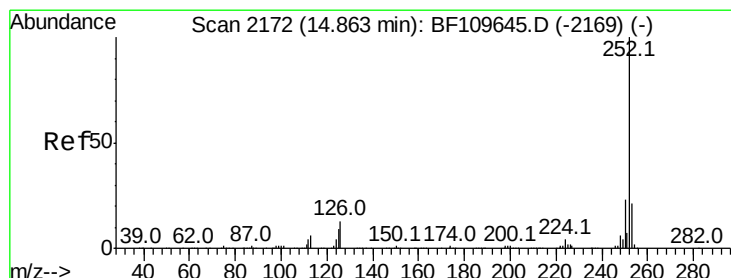
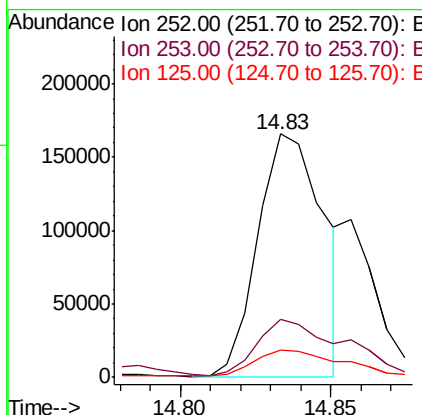
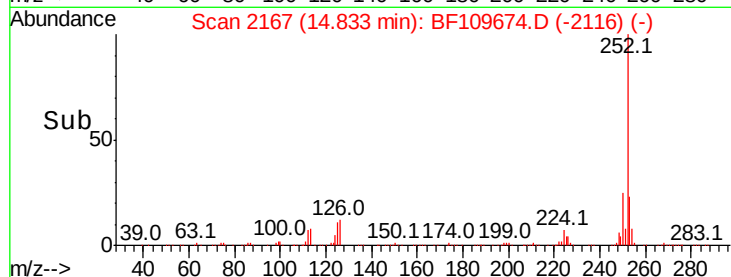
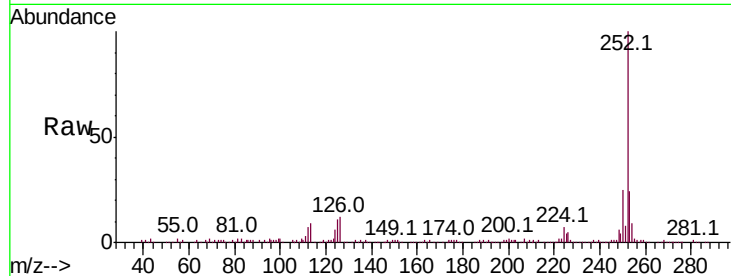
#87
Benzo(b)fluoranthene
Concen: 22.145 ng m
RT: 14.83 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	11.2	8.2	12.4

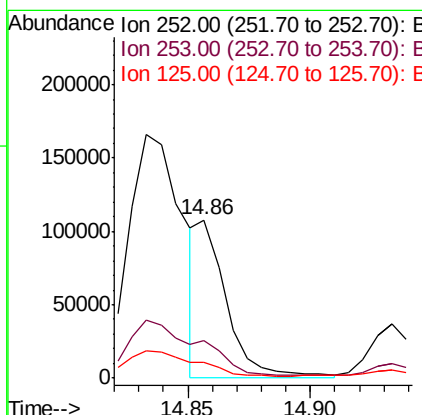
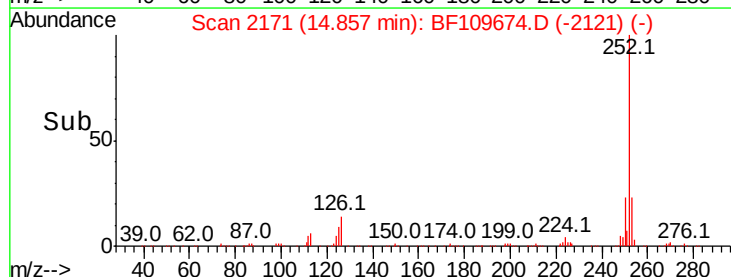
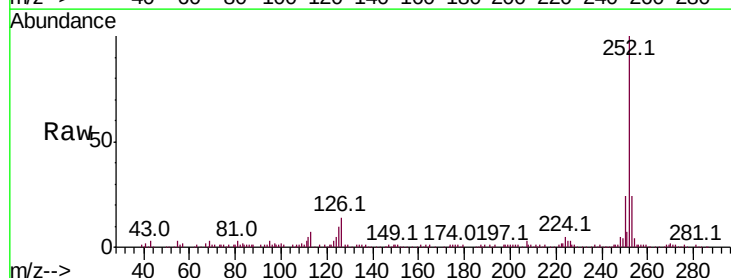
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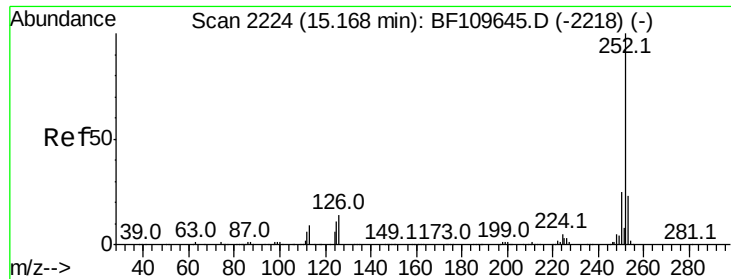
Sohil
10/9/2018 2:57:54 PM



#88
Benzo(k)fluoranthene
Concen: 7.744 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	10.2	7.4	11.0





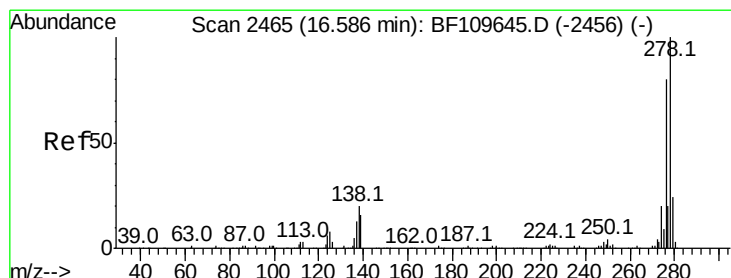
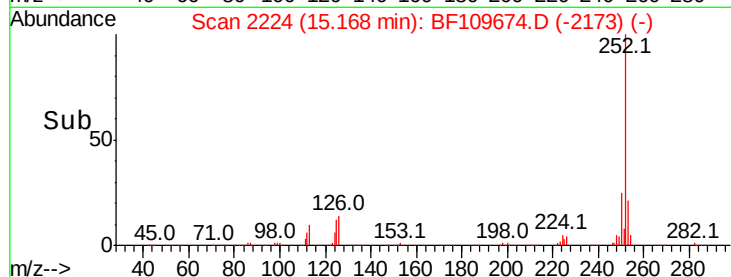
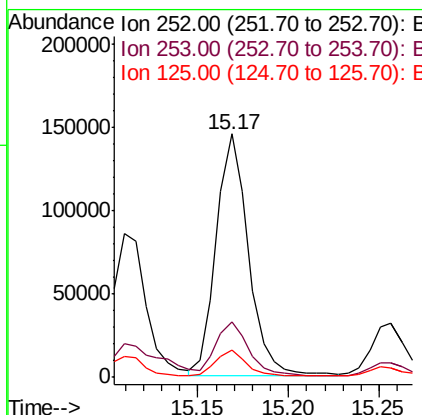
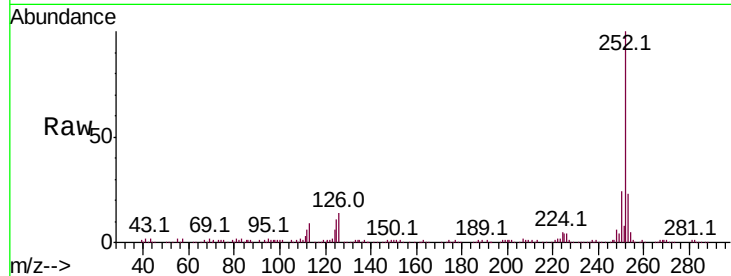
#89
Benzo(a)pyrene
Concen: 17.430 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	11.3	9.0	13.6

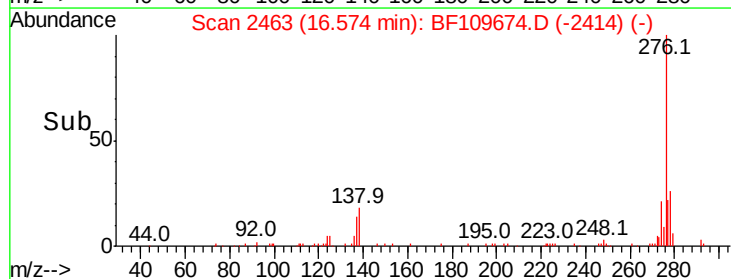
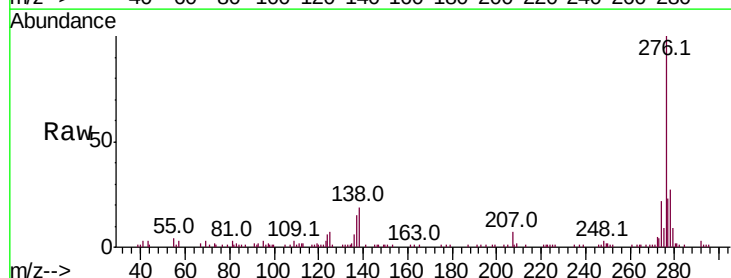
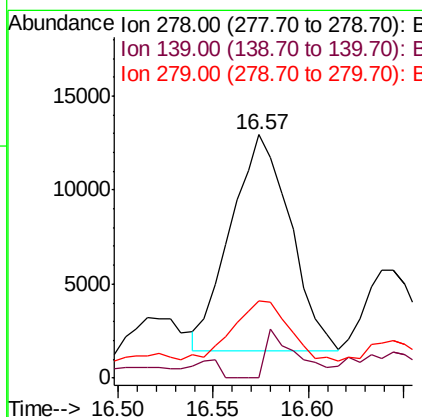
Manual Integrations
APPROVED

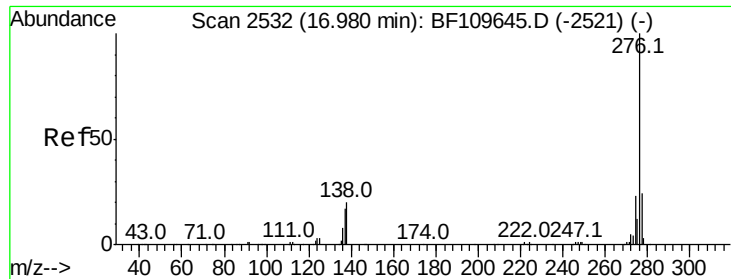
Sohil
10/9/2018 2:57:54 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.935 ng m
RT: 16.57 min Scan# 2463
Delta R.T. -0.01 min
Lab File: BF109674.D
Acq: 9 Oct 2018 3:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	31.7	19.0	28.4#





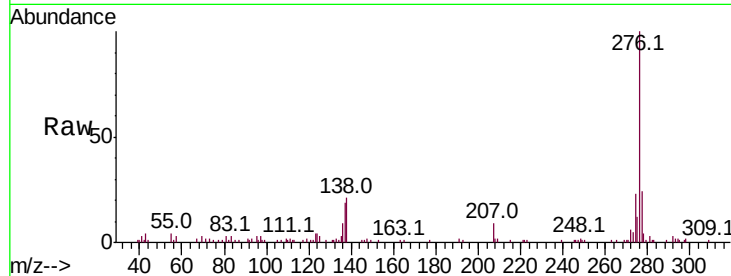
#91
 Benzo(a,h,i)perylene
 Concen: 9.880 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.01 min
 Lab File: BF109674.D
 Acq: 9 Oct 2018 3:33

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318RE

Tot Ion:	276	Resp:	84110
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.8	28.2
138	20.5	16.0	24.0

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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

