

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109325.D
 Acq On : 26 Sep 2018 9:07
 Operator : JU/SJ
 Sample : J5044-06DL 2X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID06-COMP-092018DL

Manual Integrations
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Sohil
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Quant Time: Sep 26 11:57:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	135038	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	507665	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	214769	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	342150	20.00	ng	0.00
75) Chrysene-d12	13.84	240	295693	20.00	ng	0.00
86) Perylene-d12	15.24	264	219459	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	252663	30.82	ng	0.00
7) Phenol-d6	6.34	99	334186	31.94	ng	-0.02
23) Nitrobenzene-d5	7.26	82	203530	23.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	56432	26.65	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	348905	24.50	ng	-0.01
78) Terphenyl-d14	12.79	244	273231	22.68	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	8.01	128	70786	2.984	ng	99
37) 2-Methylnaphthalene	8.70	142	41501	2.714	ng	98
48) Acenaphthylene	9.60	152	84771	4.020	ng	98
49) Dimethylphthalate	9.46	163	90259	5.778	ng	100
54) Dibenzofuran	9.94	168	96408	5.084	ng	98
70) Phenanthrene	11.24	178	849988	49.755	ng	100
71) Anthracene	11.29	178	180221	10.401	ng	98
72) Carbazole	11.44	167	44294	2.569	ng	99
74) Fluoranthene	12.43	202	851231	46.626	ng	96
77) Pyrene	12.65	202	732998	34.589	ng	99
80) Benzo(a)anthracene	13.83	228	387308	21.746	ng	93
82) Chrysene	13.87	228	284309	16.106	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	84554	5.909	ng	# 90
87) Benzo(b)fluoranthene	14.85	252	256844m	21.299	ng	
88) Benzo(k)fluoranthene	14.87	252	86382m	7.549	ng	
89) Benzo(a)pyrene	15.19	252	175355	16.138	ng	98
90) Dibenzo(a,h)anthracene	16.60	278	21143	2.372	ng	94
91) Benzo(g,h,i)perylene	16.99	276	72834	8.313	ng	96

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

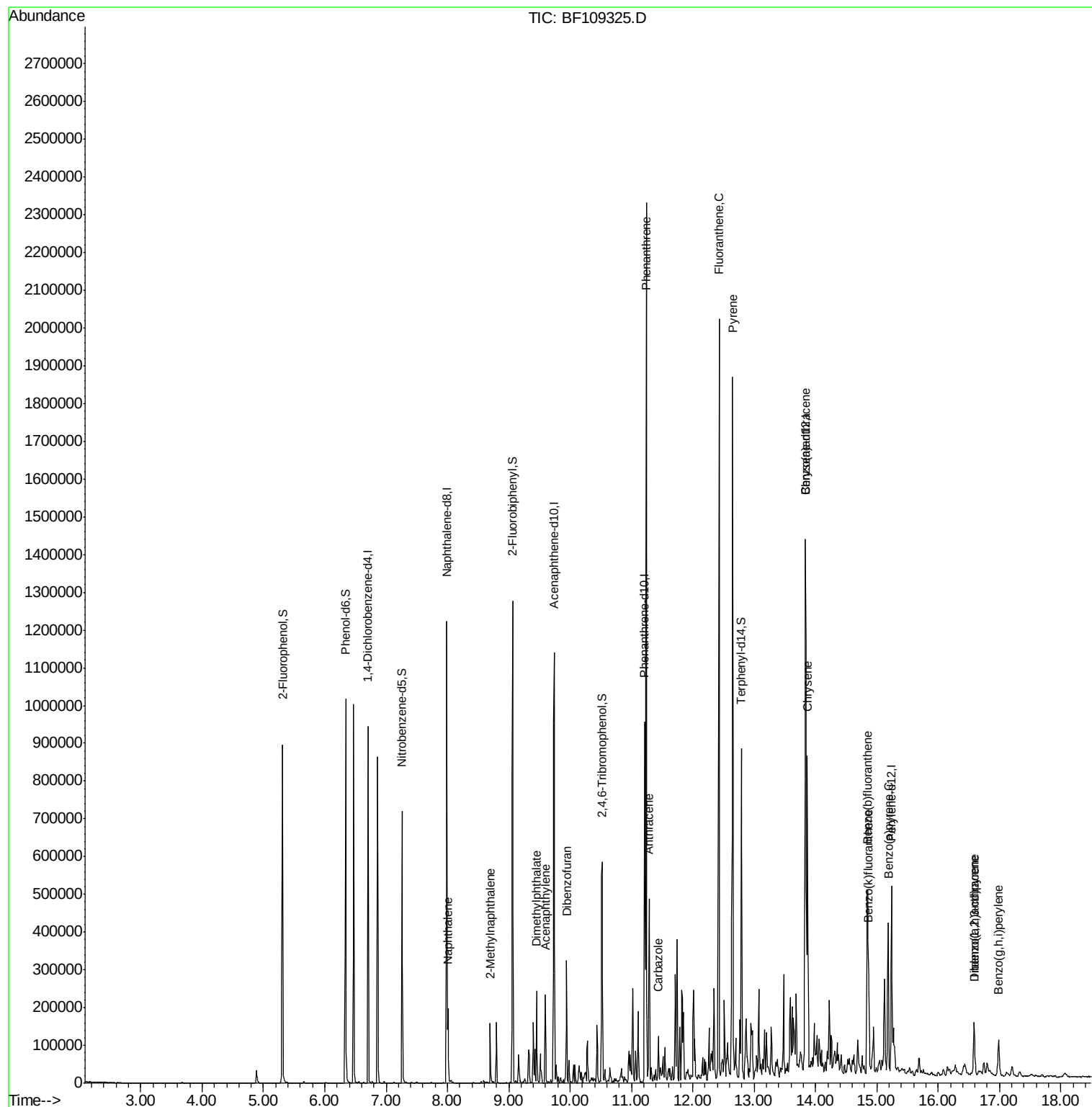
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
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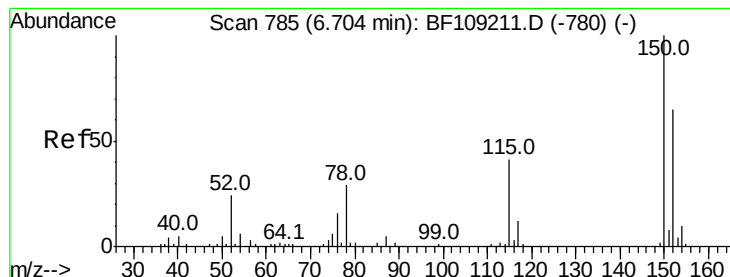
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#1

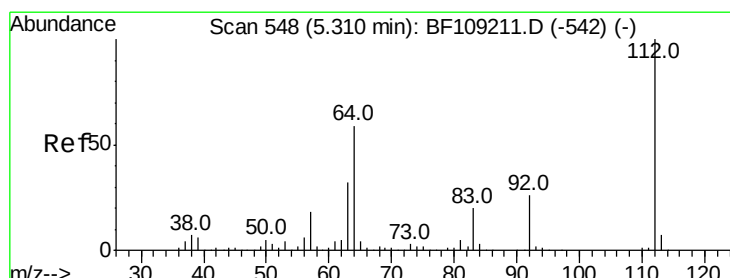
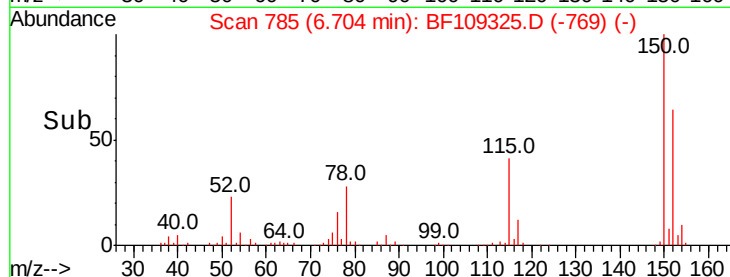
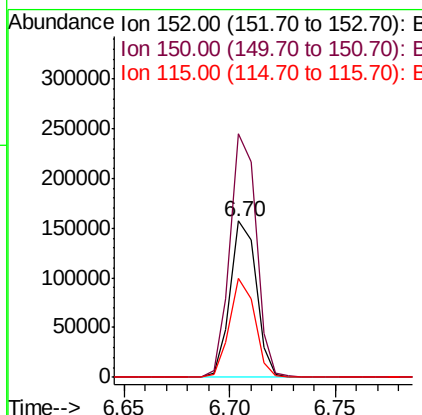
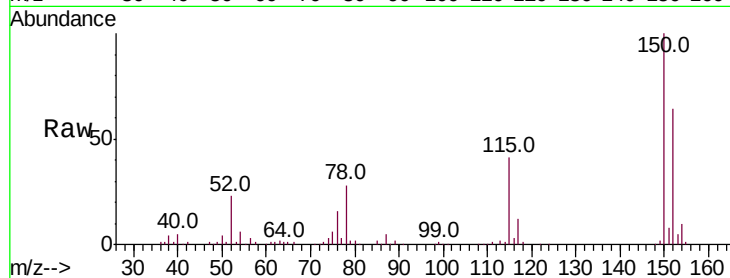
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Instrument :
BNA_F
ClientSampleId :
GRID06-COMP-092018DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	63.1	50.1	75.1

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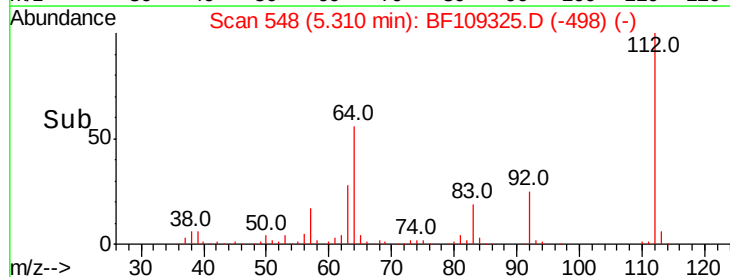
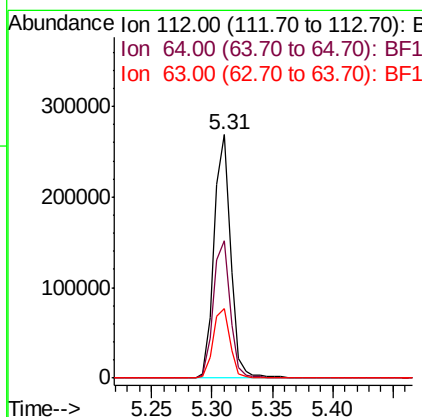
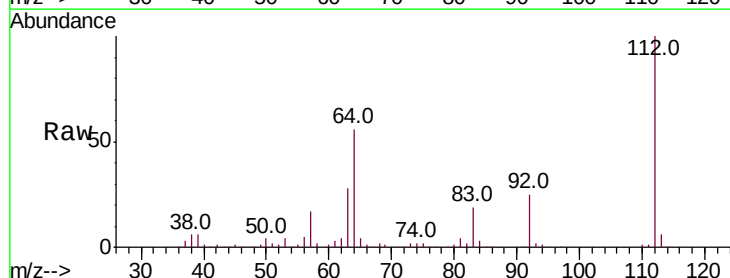
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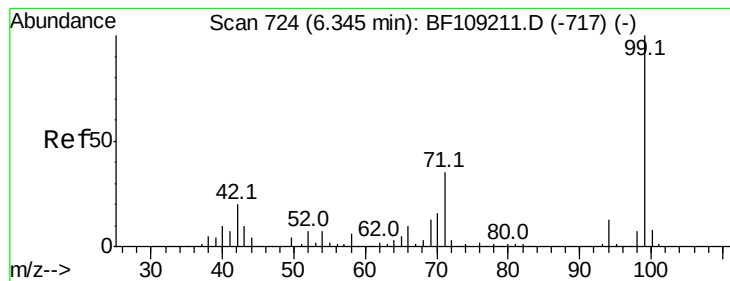


#5

2-Fluorophenol
Concen: 30.818 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 31.944 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

Instrument :

BNA_F

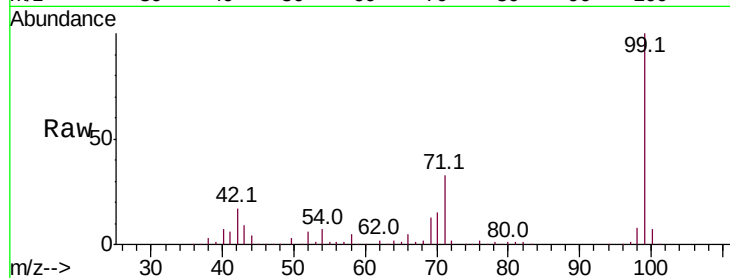
ClientSampleId :

GRID06-COMP-092018DL

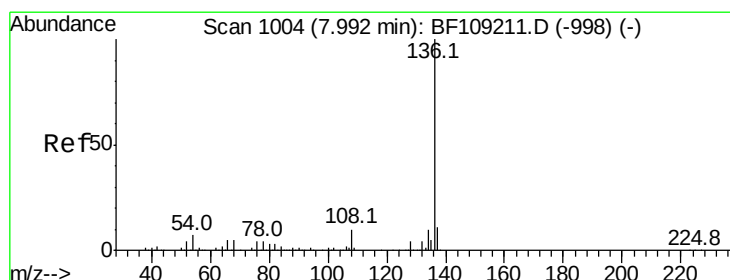
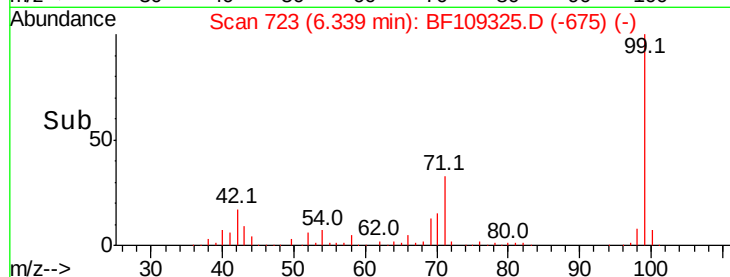
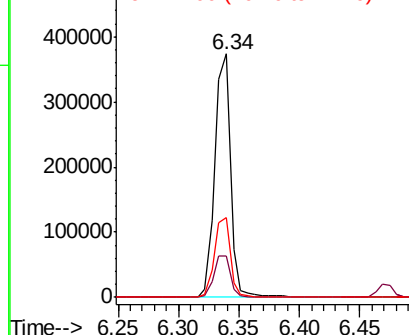
Tot Ion:	99	Resp:	334186
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.5	21.7
71	32.8	25.4	38.0

Manual Integrations
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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

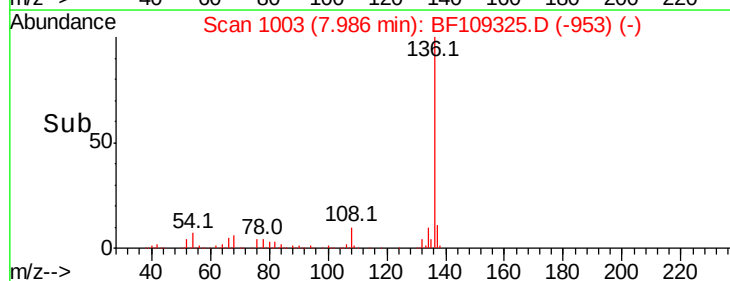
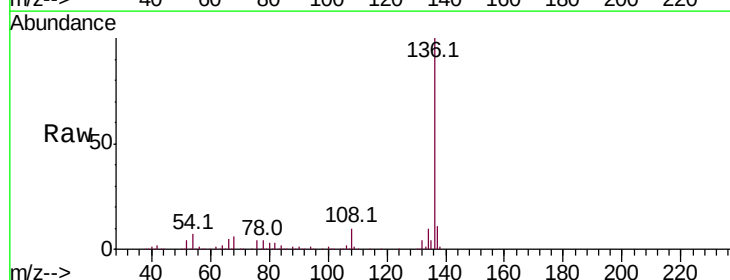
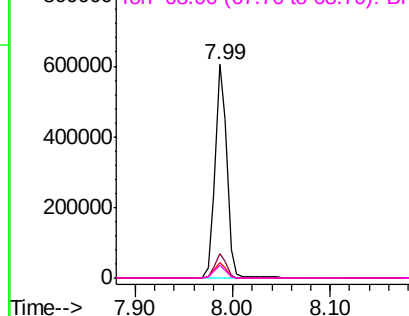
Delta R.T. -0.01 min

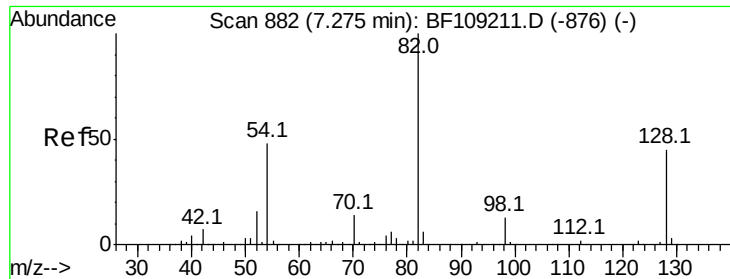
Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

Tgt Ion:	136	Resp:	507665
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.4	6.6	9.8
68	6.0	5.0	7.4

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





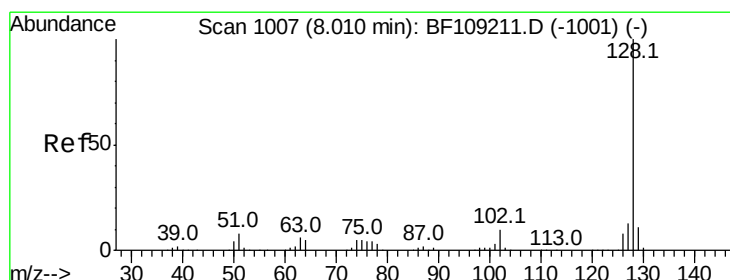
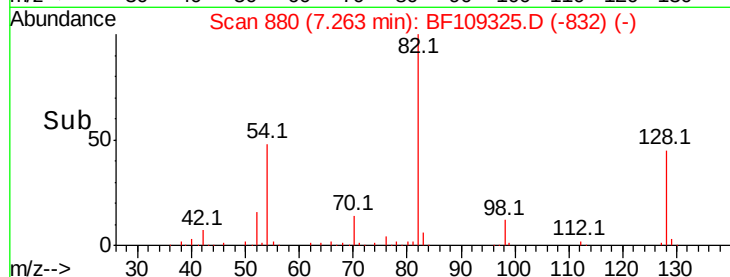
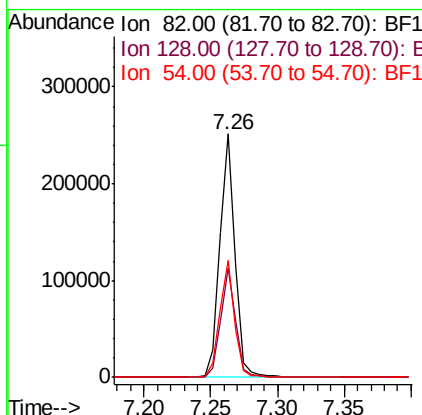
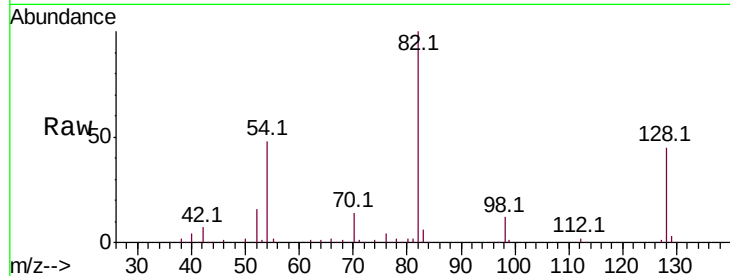
#23
 Nitrobenzene-d5
 Concen: 23.667 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109325.D
 Acq: 26 Sep 2018 9:07

Instrument :
 BNA_F
 ClientSampleId :
 GRID06-COMP-092018DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.6	36.1	54.1	
54	48.1	41.4	62.2	

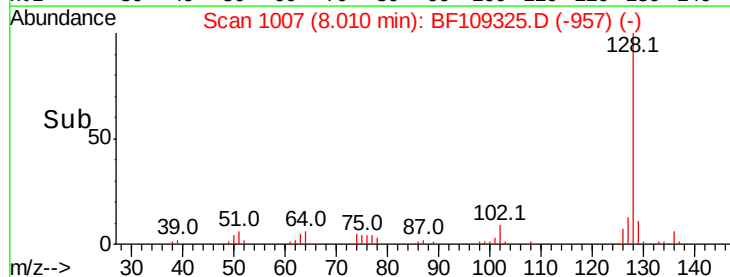
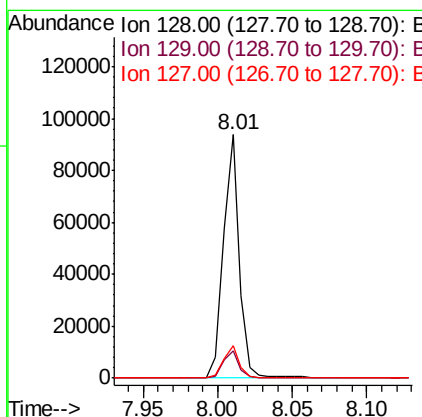
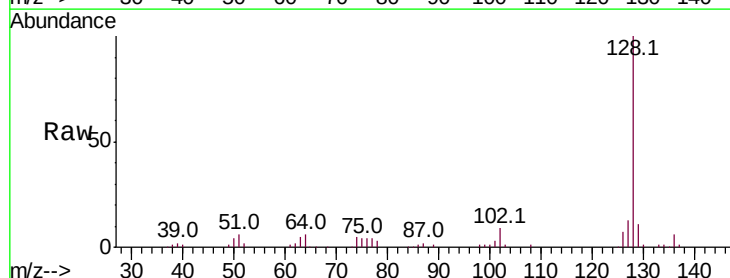
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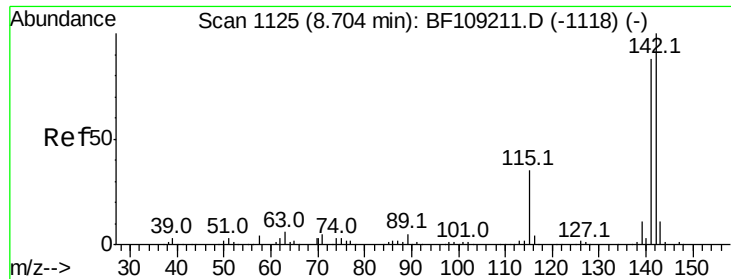
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#31
 Naphthalene
 Concen: 2.984 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF109325.D
 Acq: 26 Sep 2018 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	8.8	13.2	
127	13.1	10.9	16.3	





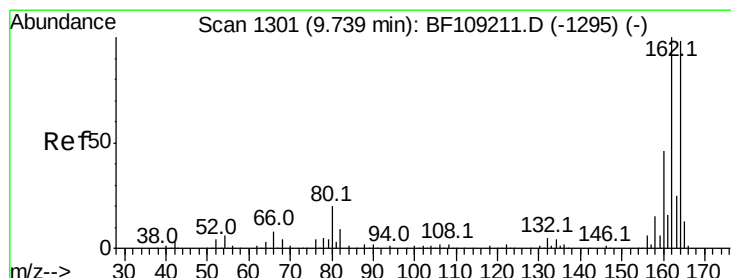
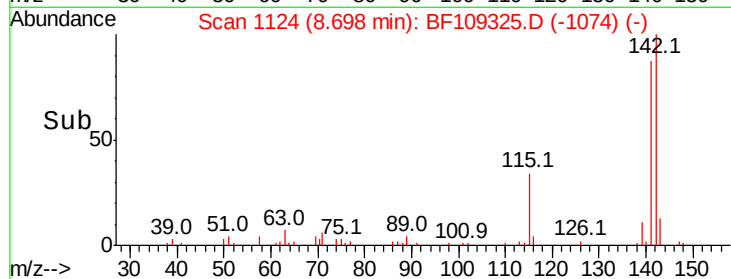
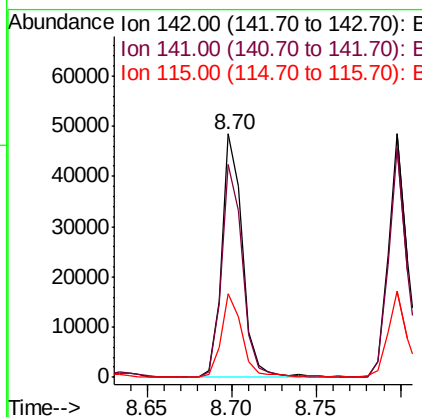
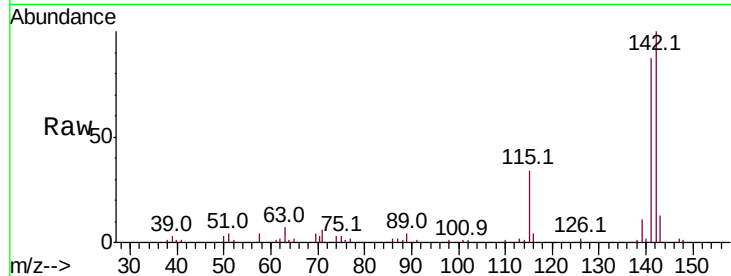
#37
2-Methylnaphthalene
Concen: 2.714 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Instrument :
BNA_F
ClientSampleId :
GRID06-COMP-092018DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	34.4	26.1	39.1

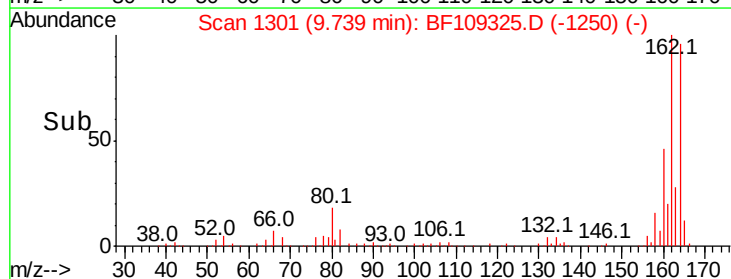
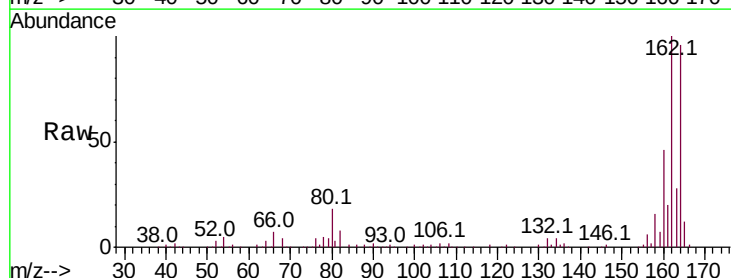
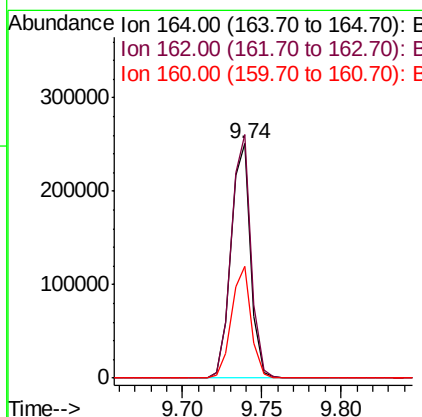
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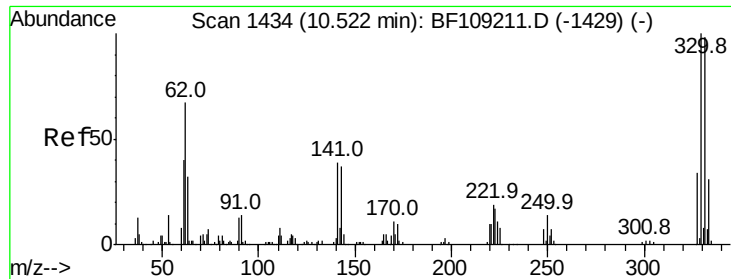
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	47.5	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 26.654 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

Instrument :

BNA_F

ClientSampleId :

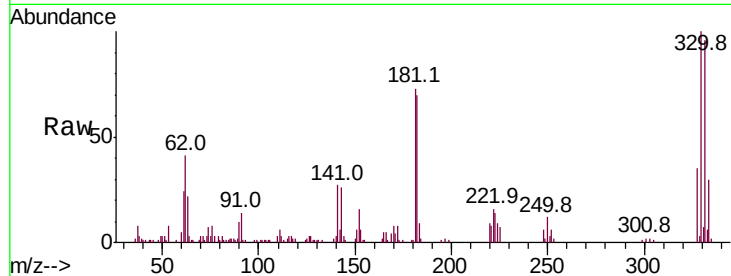
GRID06-COMP-092018DL

Tot Ion:	330	Resp:	56432
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.0	115.6
141	34.7	29.9	44.9

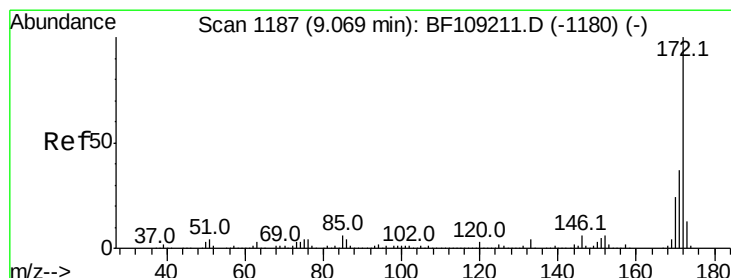
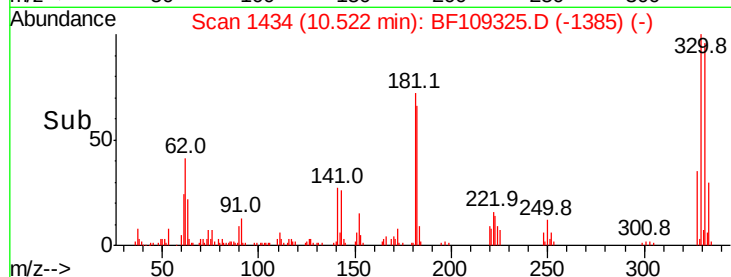
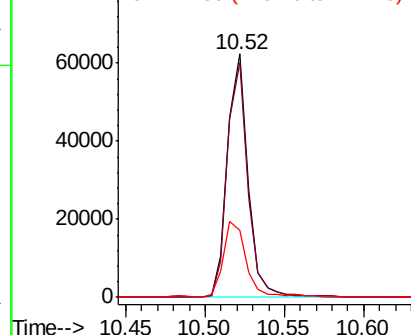
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 24.501 ng

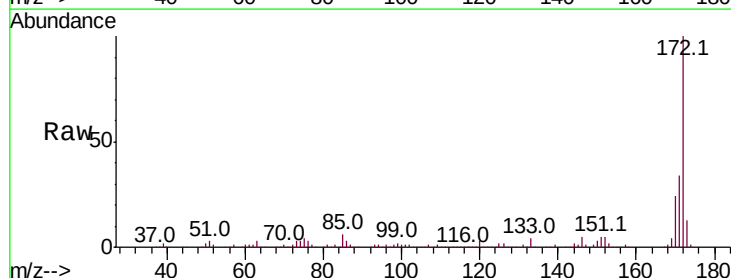
RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

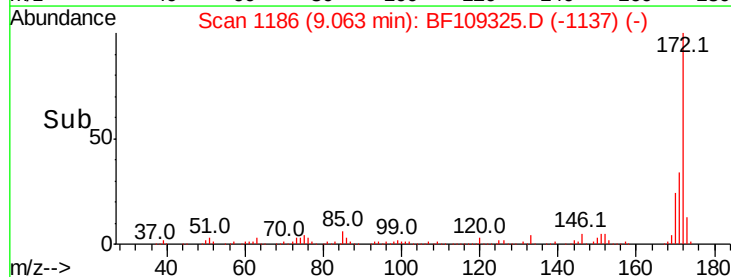
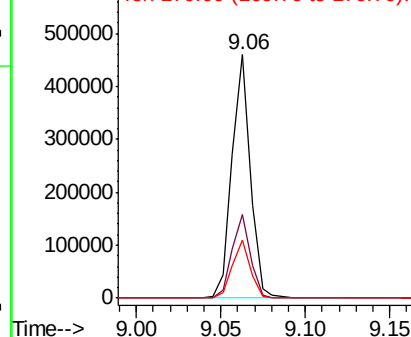
Lab File: BF109325.D

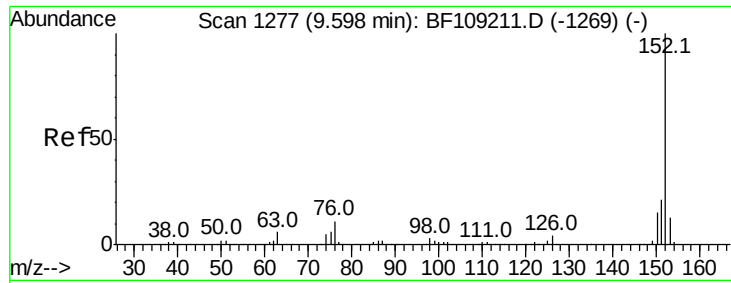
Acq: 26 Sep 2018 9:07

Tgt Ion:	172	Resp:	348905
Ion Ratio	Lower	Upper	
172	100		
171	34.2	29.7	44.5
170	23.7	19.6	29.4



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





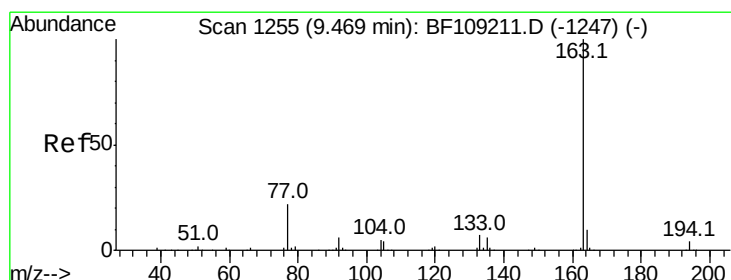
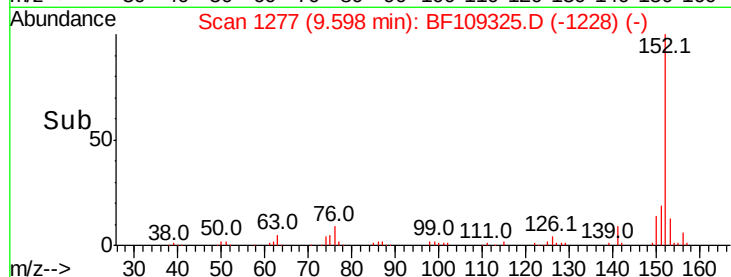
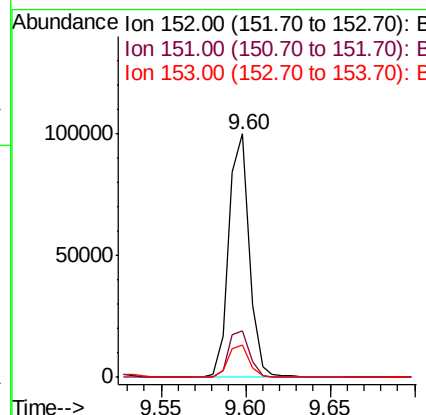
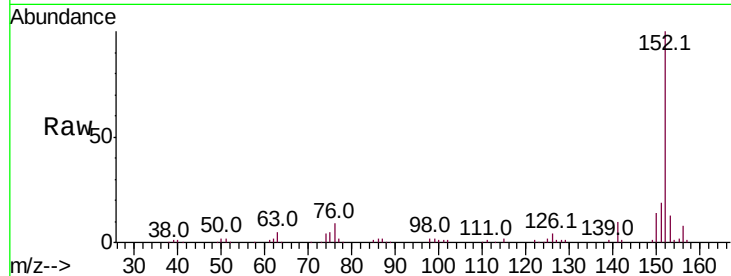
#48
 Acenaphthylene
 Concen: 4.020 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF109325.D
 Acq: 26 Sep 2018 9:07

Instrument :
 BNA_F
 ClientSampleId :
 GRID06-COMP-092018DL

Tot Ion:	152	Resp:	84771
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.3	24.5
153	13.3	10.7	16.1

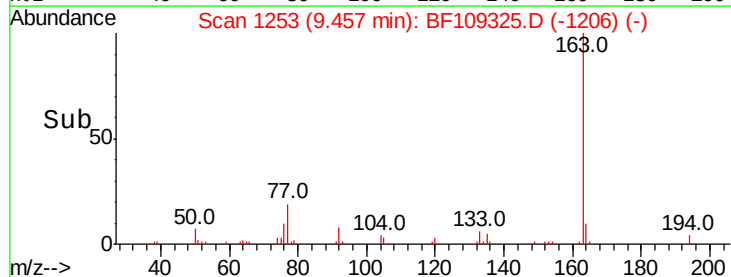
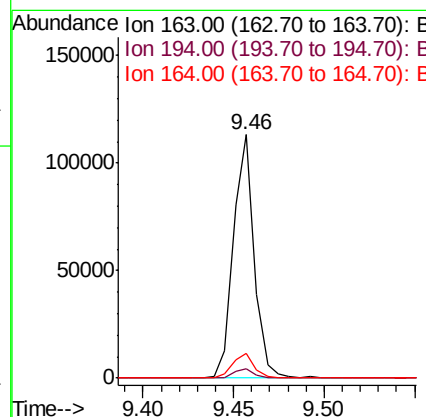
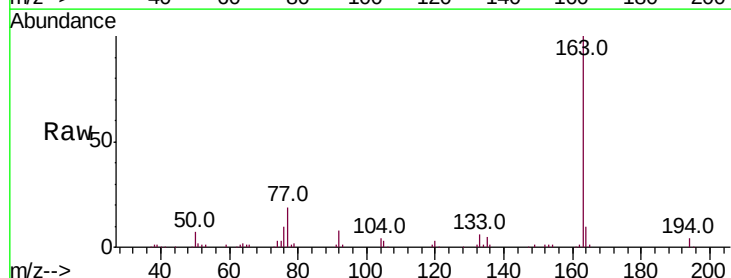
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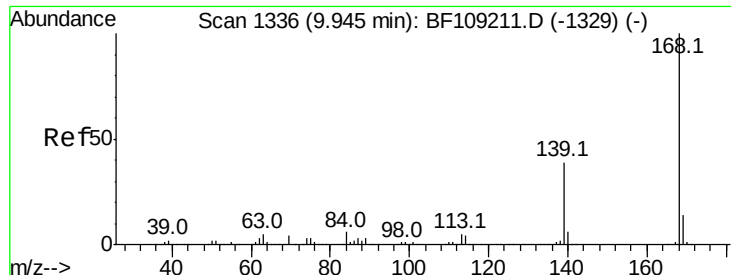
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#49
 Dimethylphthalate
 Concen: 5.778 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109325.D
 Acq: 26 Sep 2018 9:07

Tgt Ion:	163	Resp:	90259
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.2	8.2	12.2





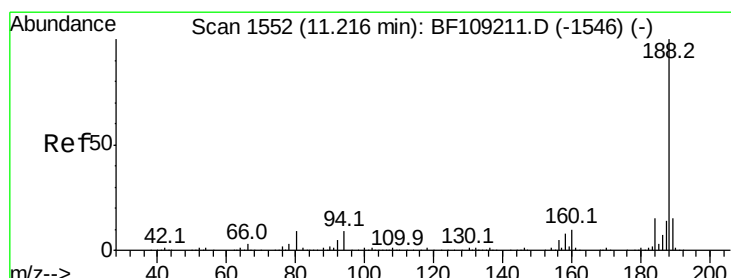
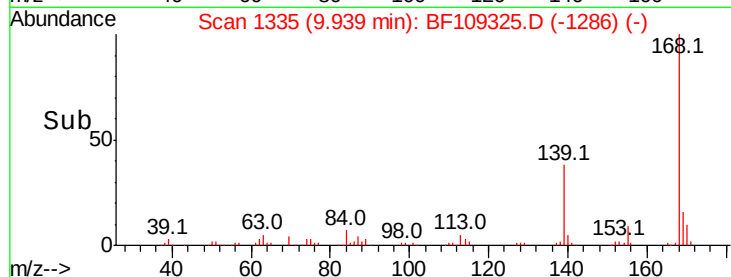
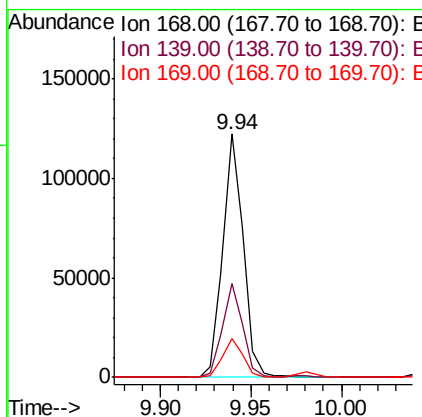
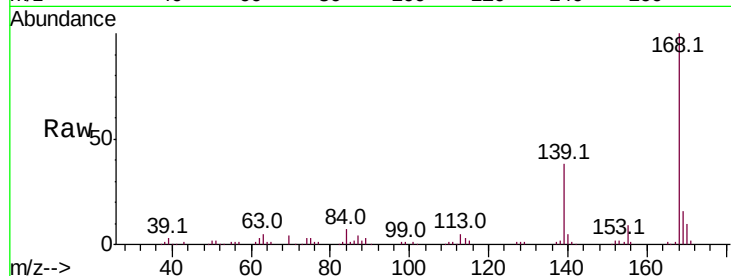
#54
 Dibenzofuran
 Concen: 5.084 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF109325.D
 Acq: 26 Sep 2018 9:07

Instrument :
 BNA_F
 ClientSampleId :
 GRID06-COMP-092018DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	38.4	30.1	45.1	
169	15.9	10.9	16.3	

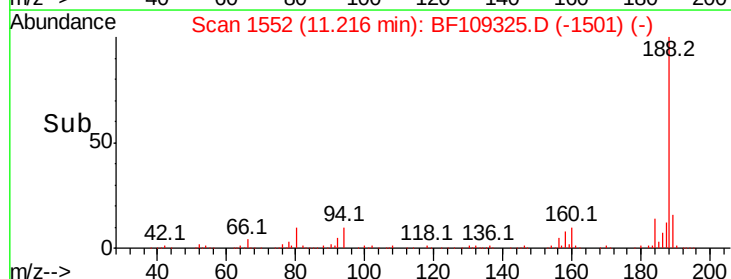
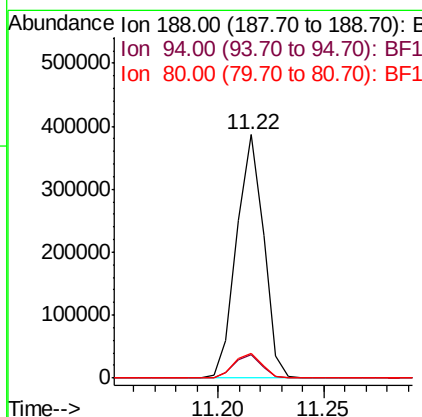
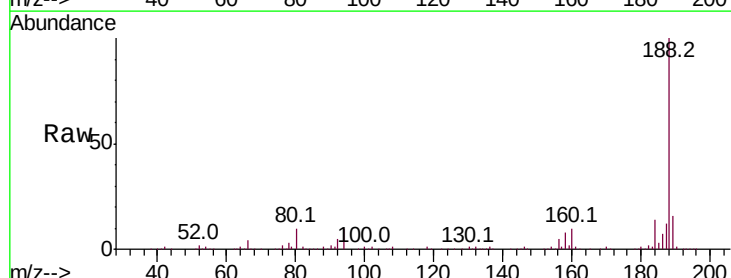
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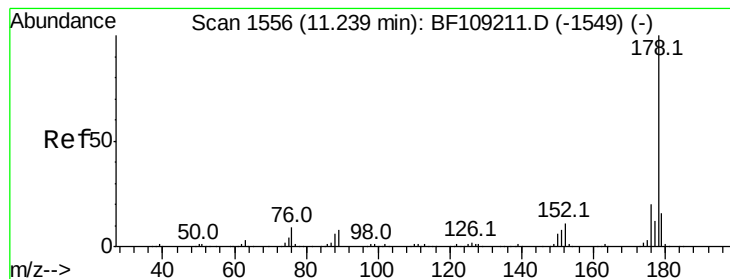
Sohil
 9/26/2018 3:43:07 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109325.D
 Acq: 26 Sep 2018 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.8	8.5	12.7	
80	10.4	9.2	13.8	





#70

Phenanthrene

Concen: 49.755 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

Instrument :

BNA_F

ClientSampleId :

GRID06-COMP-092018DL

Tot Ion:178 Resp: 849988

Ion Ratio Lower Upper

178 100

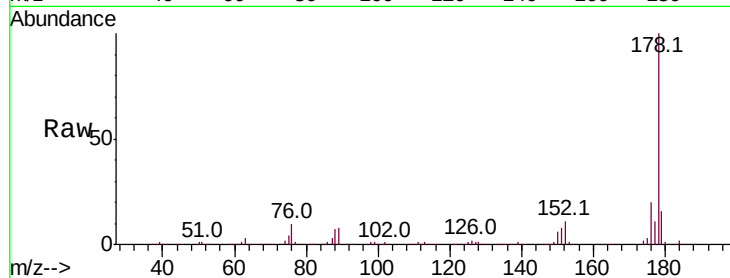
176 19.8 15.8 23.8

179 15.9 13.0 19.6

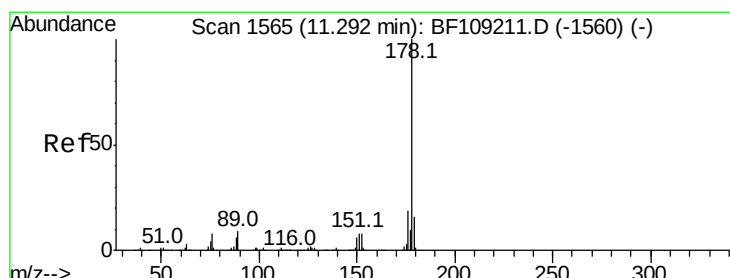
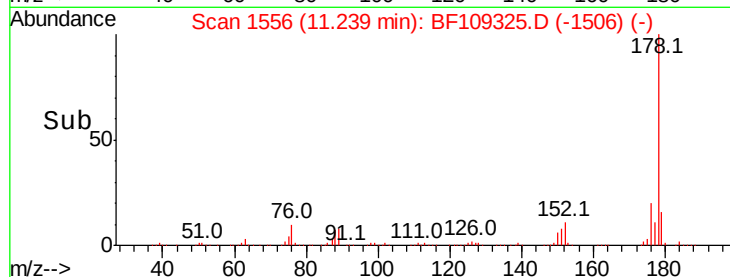
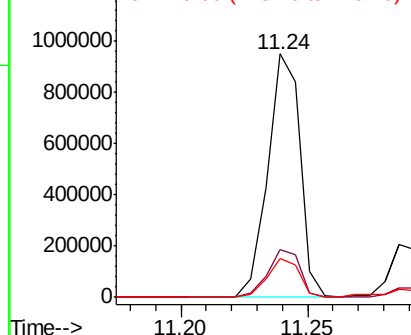
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 10.401 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

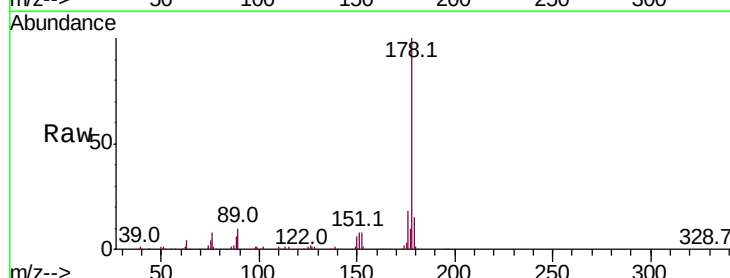
Tgt Ion:178 Resp: 180221

Ion Ratio Lower Upper

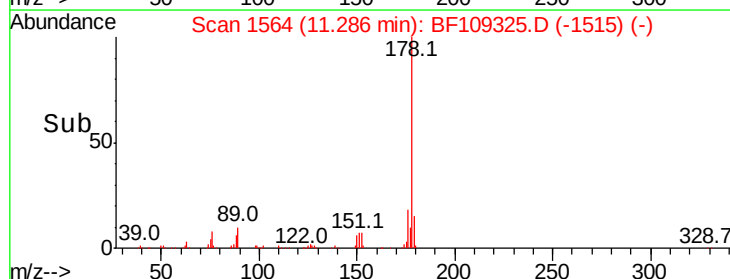
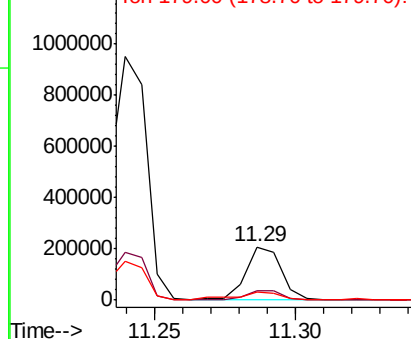
178 100

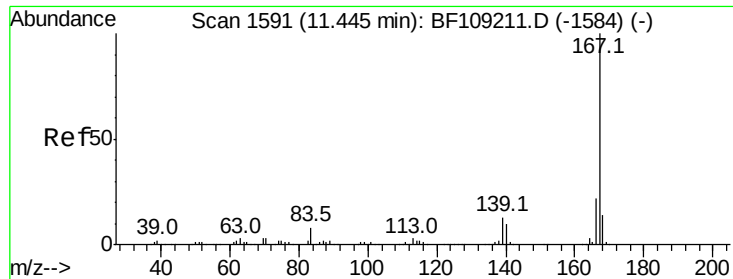
176 18.3 15.4 23.2

179 15.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.569 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

Instrument :

BNA_F

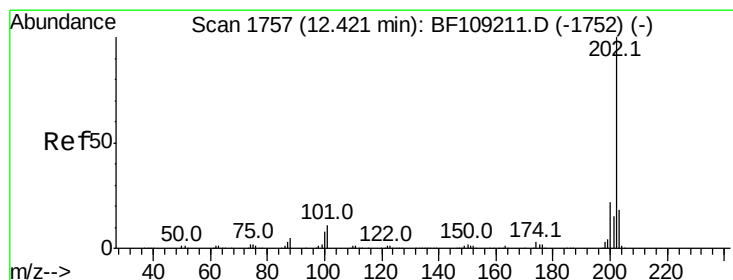
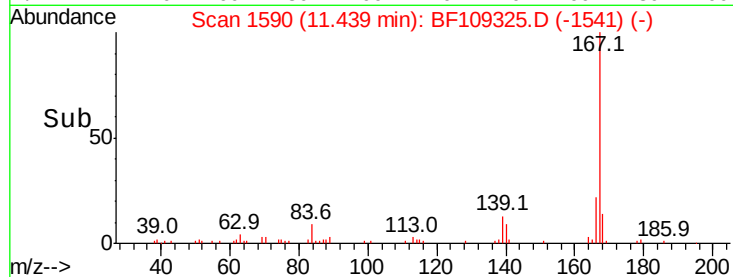
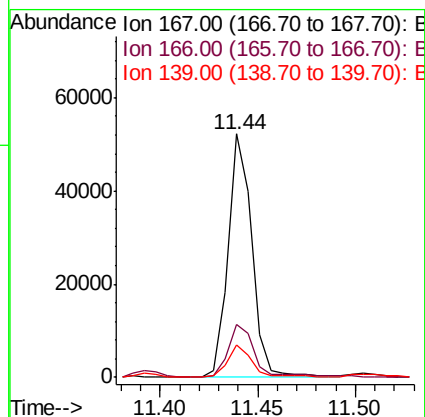
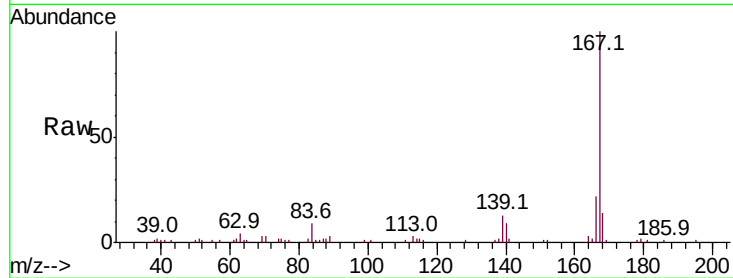
ClientSampleId :

GRID06-COMP-092018DL

Tot Ion:	167	Resp:	44294
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.6	26.4
139	13.1	10.9	16.3

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#74

Fluoranthene

Concen: 46.626 ng

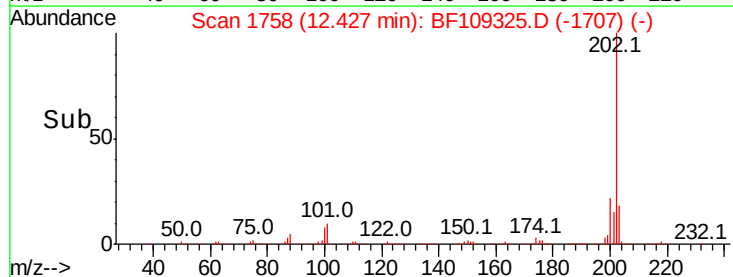
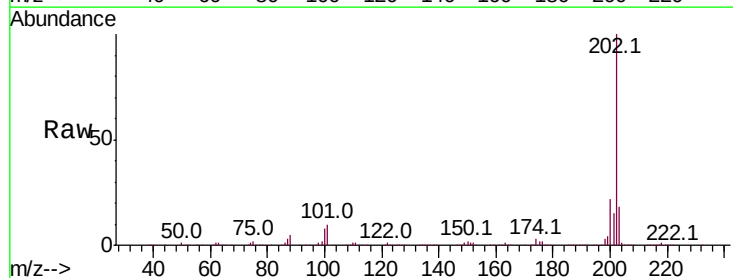
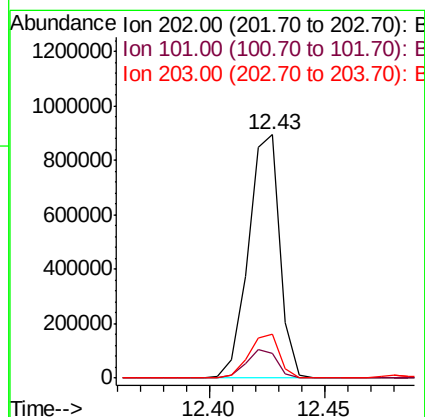
RT: 12.43 min Scan# 1758

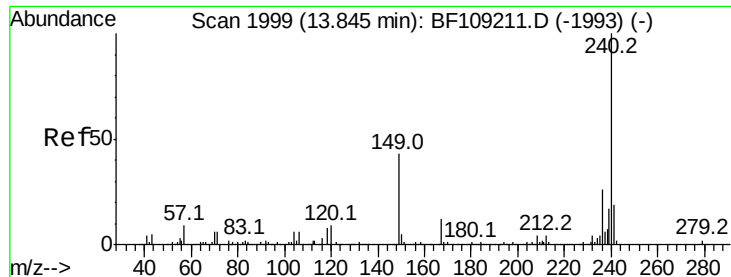
Delta R.T. 0.00 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

Tgt Ion:	202	Resp:	851231
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

Instrument :

BNA_F

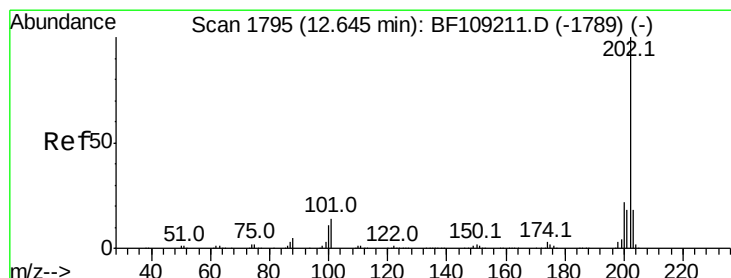
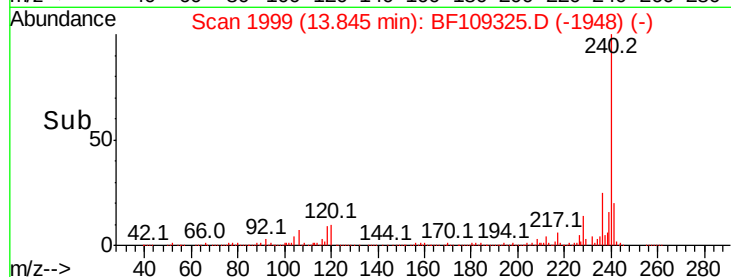
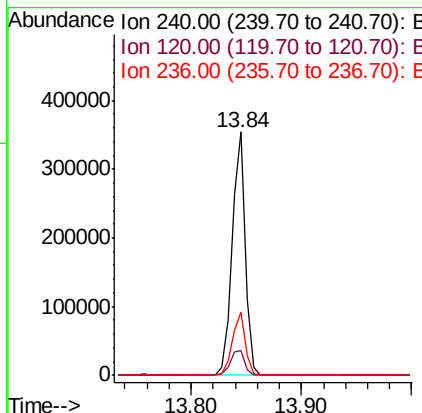
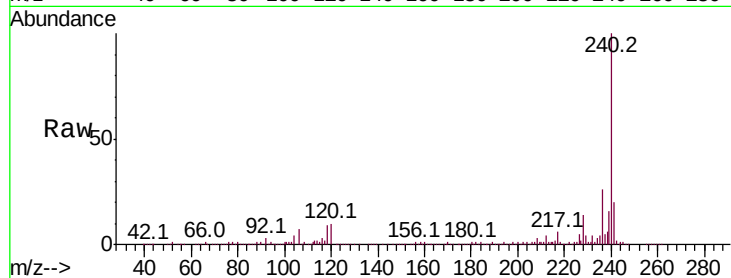
ClientSampleId :

GRID06-COMP-092018DL

Tot Ion:	240	Resp:	295693
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.5	14.3
236	25.7	20.7	31.1

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#77

Pyrene

Concen: 34.589 ng

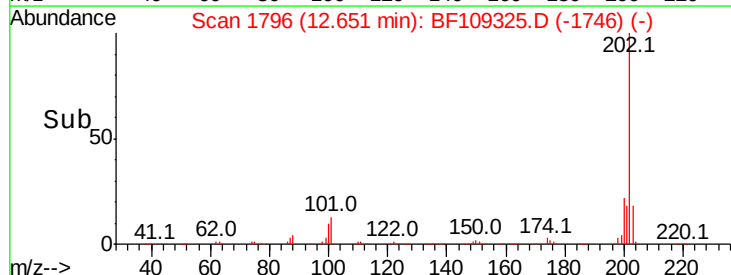
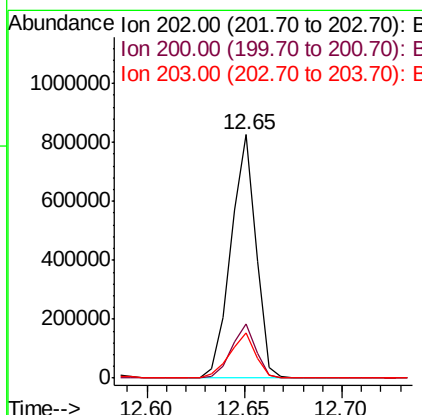
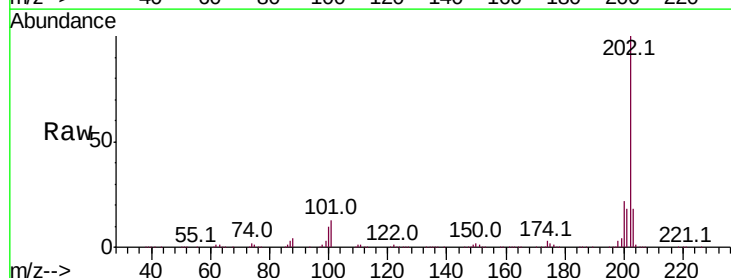
RT: 12.65 min Scan# 1796

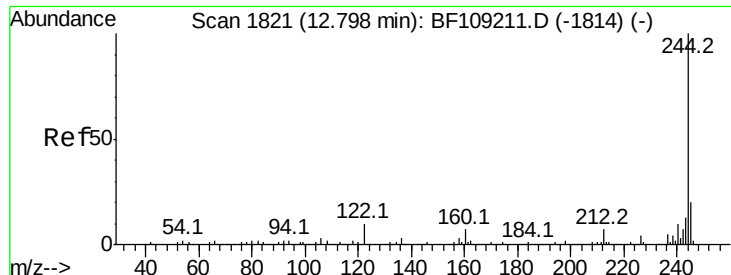
Delta R.T. -0.01 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

Tgt Ion:	202	Resp:	732998
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	18.5	14.3	21.5





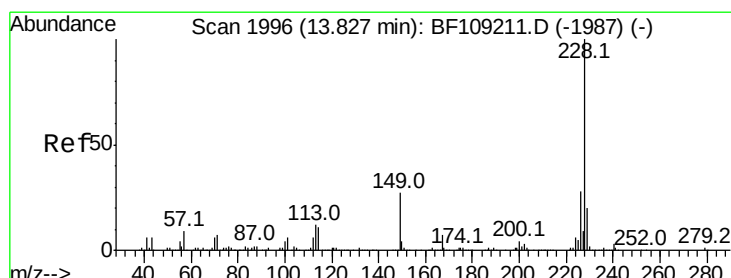
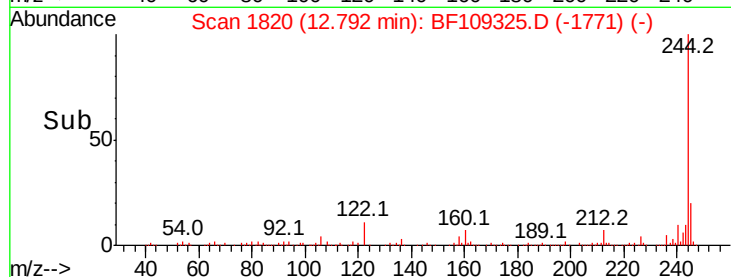
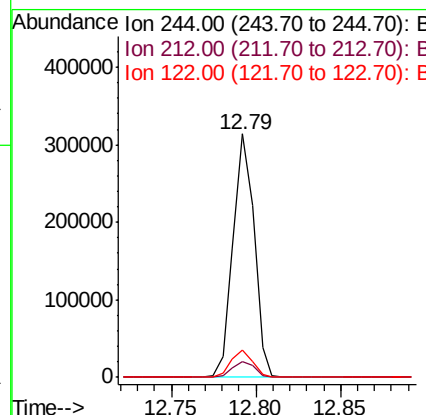
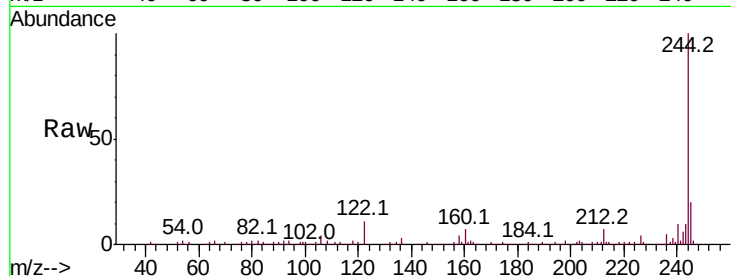
#78
 Terphenyl-d14
 Concen: 22.677 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109325.D
 Acq: 26 Sep 2018 9:07

Instrument :
 BNA_F
 ClientSampleId :
 GRID06-COMP-092018DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.2	11.0	16.4

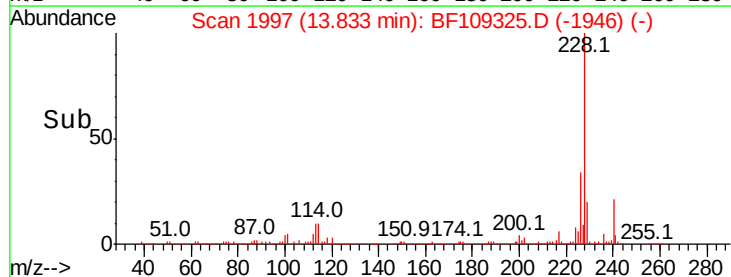
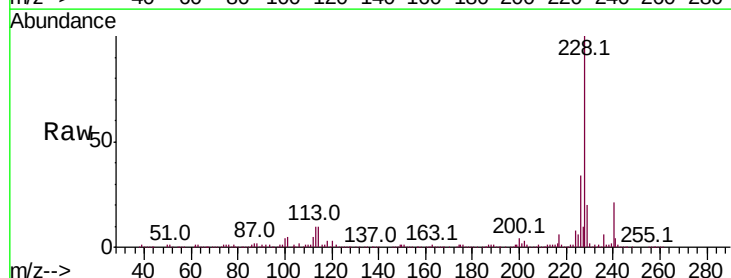
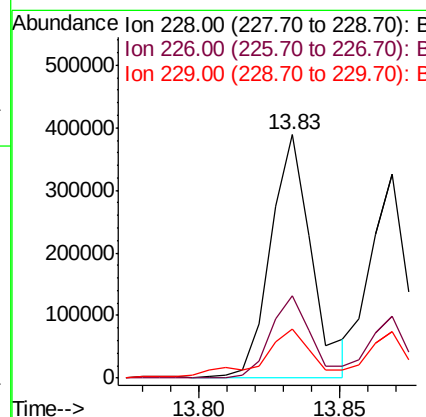
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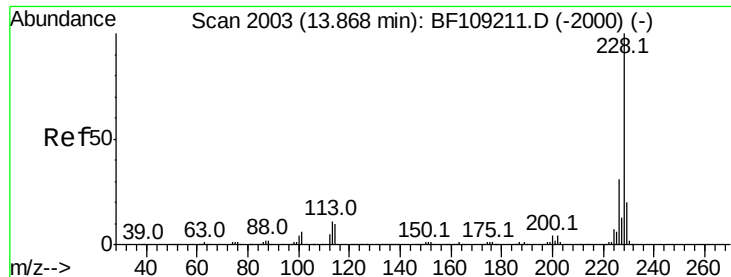
Sohil
 9/26/2018 3:43:07 PM



#80
 Benzo(a)anthracene
 Concen: 21.746 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BF109325.D
 Acq: 26 Sep 2018 9:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 16.106 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

Instrument :

BNA_F

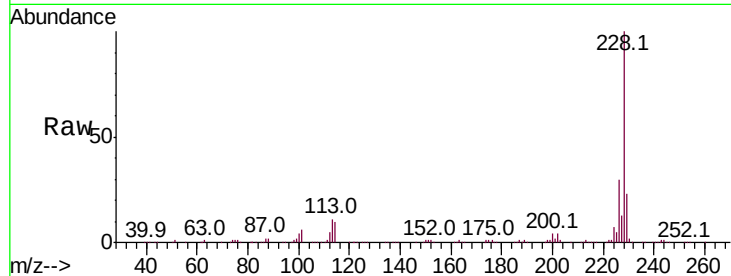
ClientSampleId :

GRID06-COMP-092018DL

Tot Ion:	228	Resp:	284309
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	22.7	16.2	24.4

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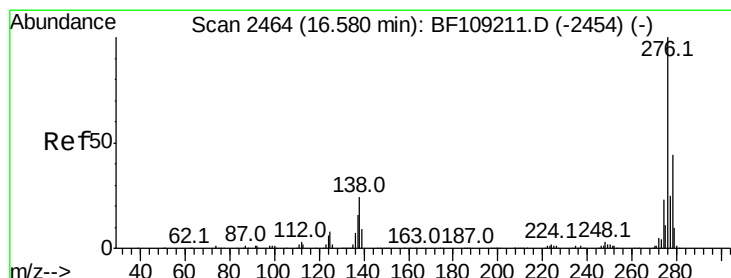
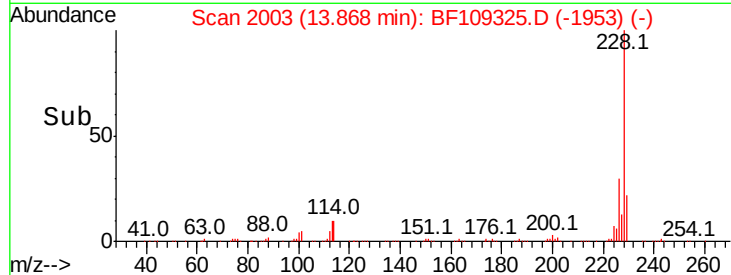
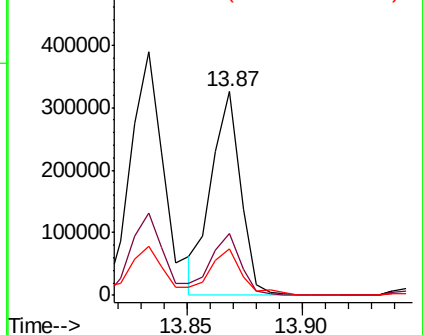


Abundance

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.909 ng

RT: 16.59 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BF109325.D

Acq: 26 Sep 2018 9:07

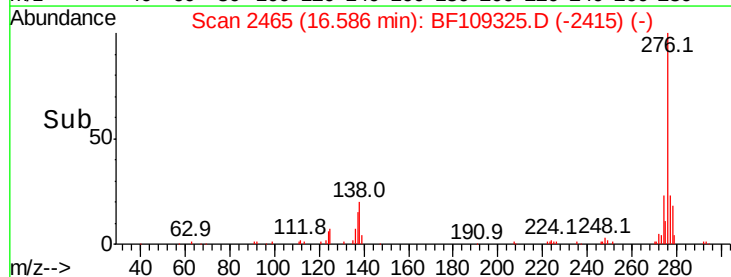
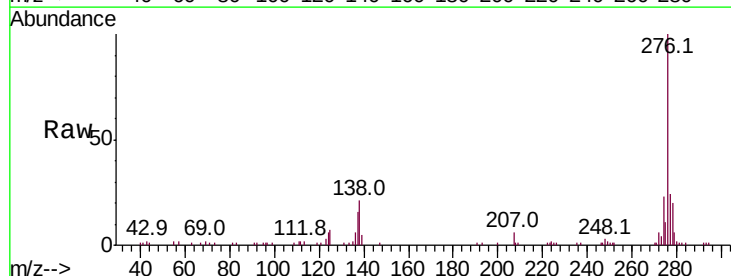
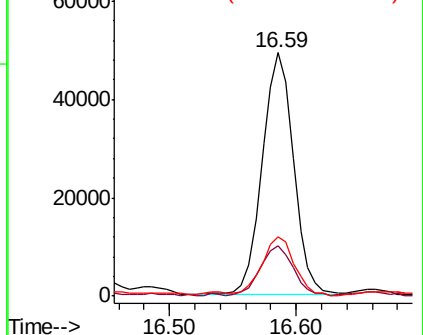
Tgt Ion:	276	Resp:	84554
Ion Ratio	Lower	Upper	
276	100		
138	22.2	25.0	37.6#
277	26.0	20.1	30.1

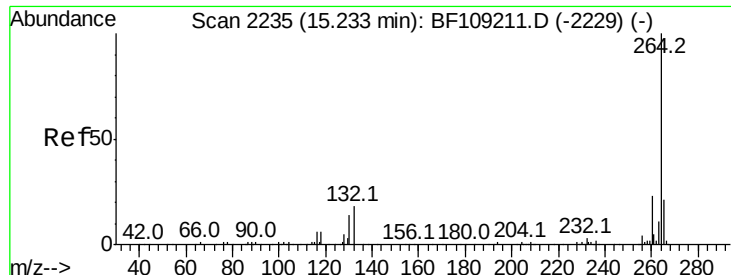
Abundance

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





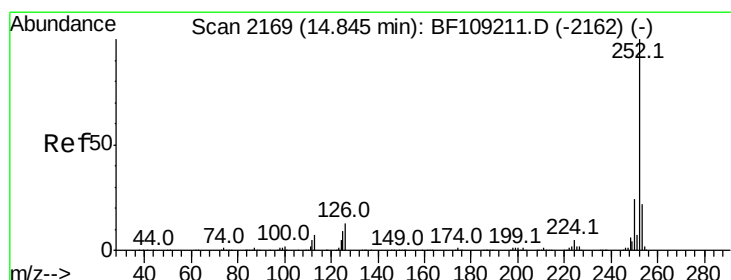
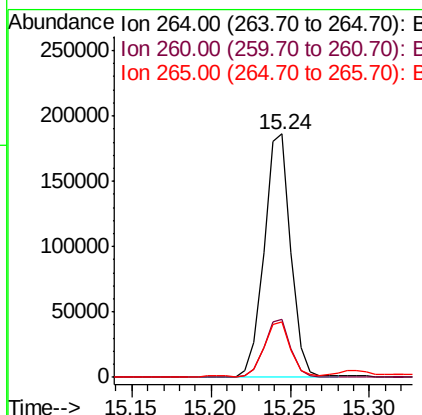
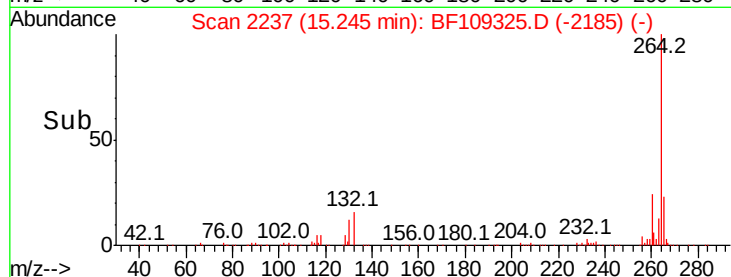
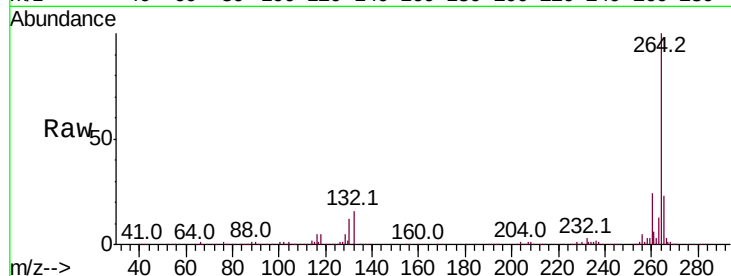
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Instrument :
BNA_F
ClientSampleId :
GRID06-COMP-092018DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.6	17.5	26.3

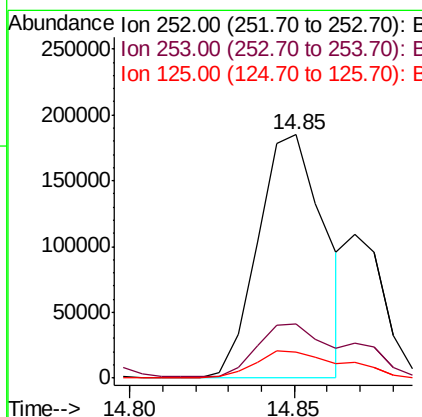
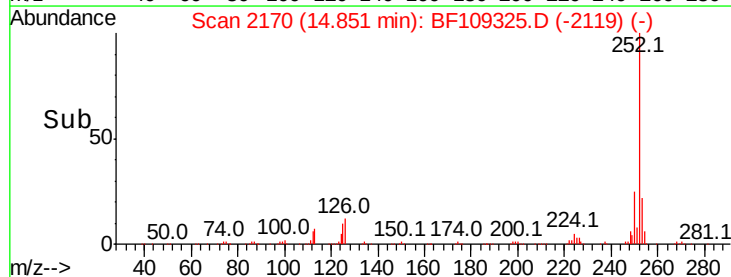
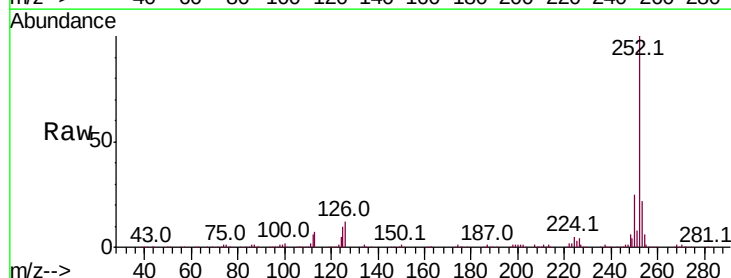
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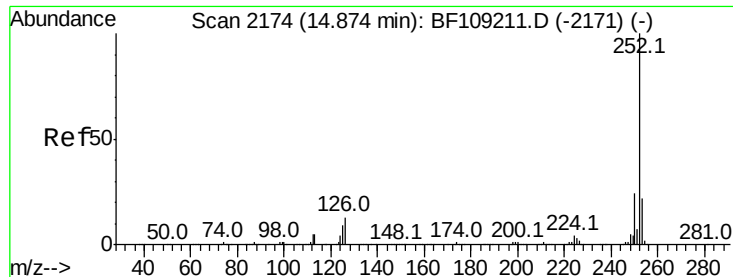
Sohil
9/26/2018 3:43:07 PM



#87
Benzo(b)fluoranthene
Concen: 21.299 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	10.5	9.0	13.6





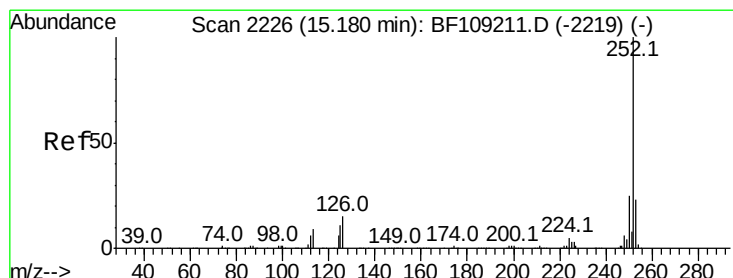
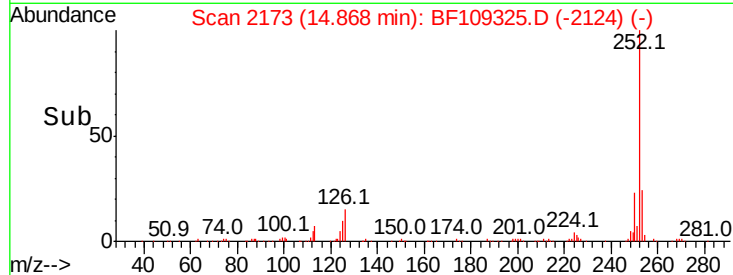
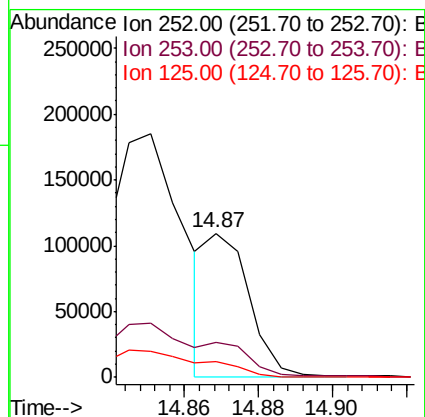
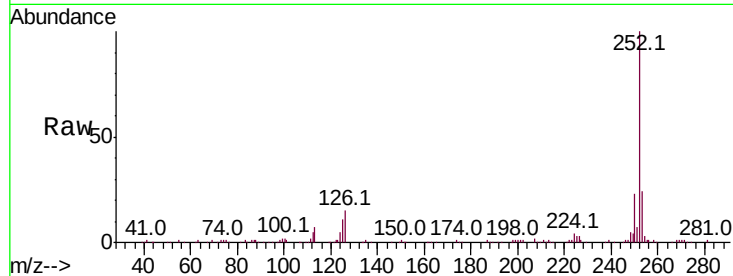
#88
Benzo(k)fluoranthene
Concen: 7.549 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Instrument :
BNA_F
ClientSampleId :
GRID06-COMP-092018DL

Tot Ion:	252	Resp:	86382
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.9	26.9
125	10.6	10.2	15.2

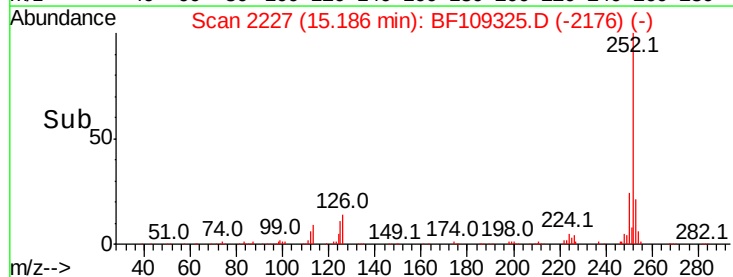
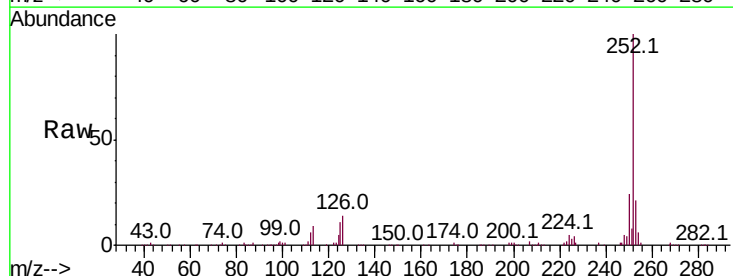
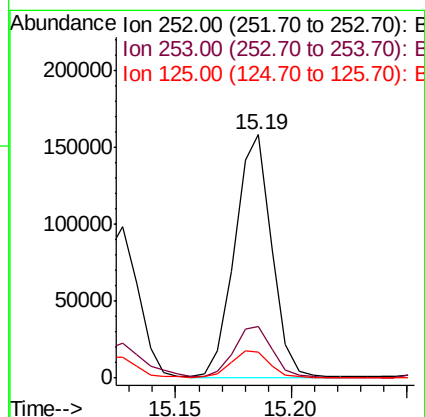
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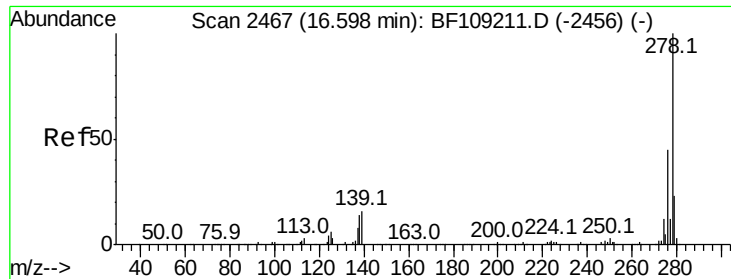
Sohil
9/26/2018 3:43:07 PM



#89
Benzo(a)pyrene
Concen: 16.138 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Tgt Ion:	252	Resp:	175355
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.1	25.7
125	10.6	9.8	14.6





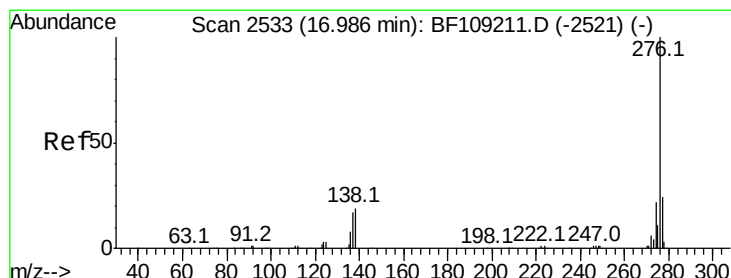
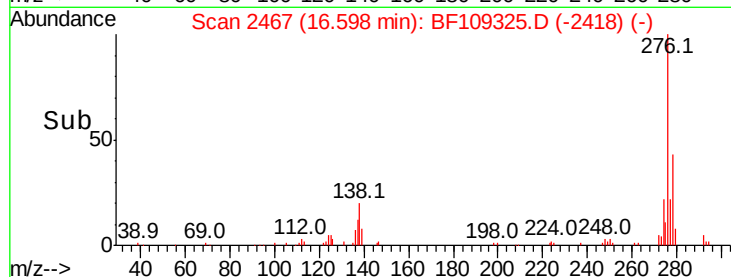
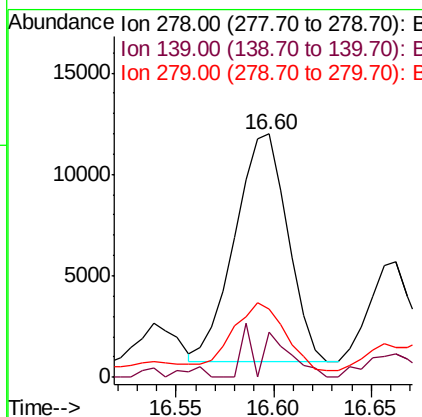
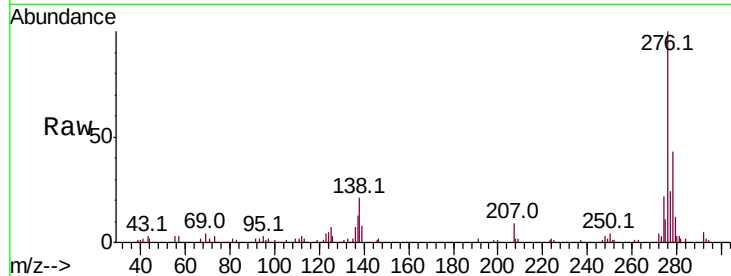
#90
Dibenzo(a,h)anthracene
Concen: 2.372 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Instrument :
BNA_F
ClientSampleId :
GRID06-COMP-092018DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.3	15.9	23.9
279	27.9	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.313 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF109325.D
Acq: 26 Sep 2018 9:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	23.9	21.8	32.8

