

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
 Data File : BF103857.D
 Acq On : 22 Mar 2018 17:39
 Operator : JU/SJ
 Sample : J1997-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DGA-TOP-LAYER-1-A

Manual Integrations
 APPROVED

Sohil
 3/23/2018 2:46:43 PM

Quant Time: Mar 23 01:19:08 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 11:56:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141984	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	564475	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	244880	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	368426	20.00	ng	0.00
75) Chrysene-d12	14.16	240	297823	20.00	ng	0.00
86) Perylene-d12	15.70	264	225765	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	17751	1.90	ng	-0.01
7) Phenol-d6	6.58	99	80992	7.09	ng	-0.02
23) Nitrobenzene-d5	7.53	82	51344	6.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	542	0.26	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	116581	7.59	ng	0.00
78) Terphenyl-d14	13.09	244	86465	6.74	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	79968	3.968	ng	98
74) Fluoranthene	12.72	202	85856	4.135	ng	98
77) Pyrene	12.96	202	72232	3.302	ng	98
82) Chrysene	14.19	228	37029	2.061	ng	98
87) Benzo(b)fluoranthene	15.24	252	35604m	2.496	ng	

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

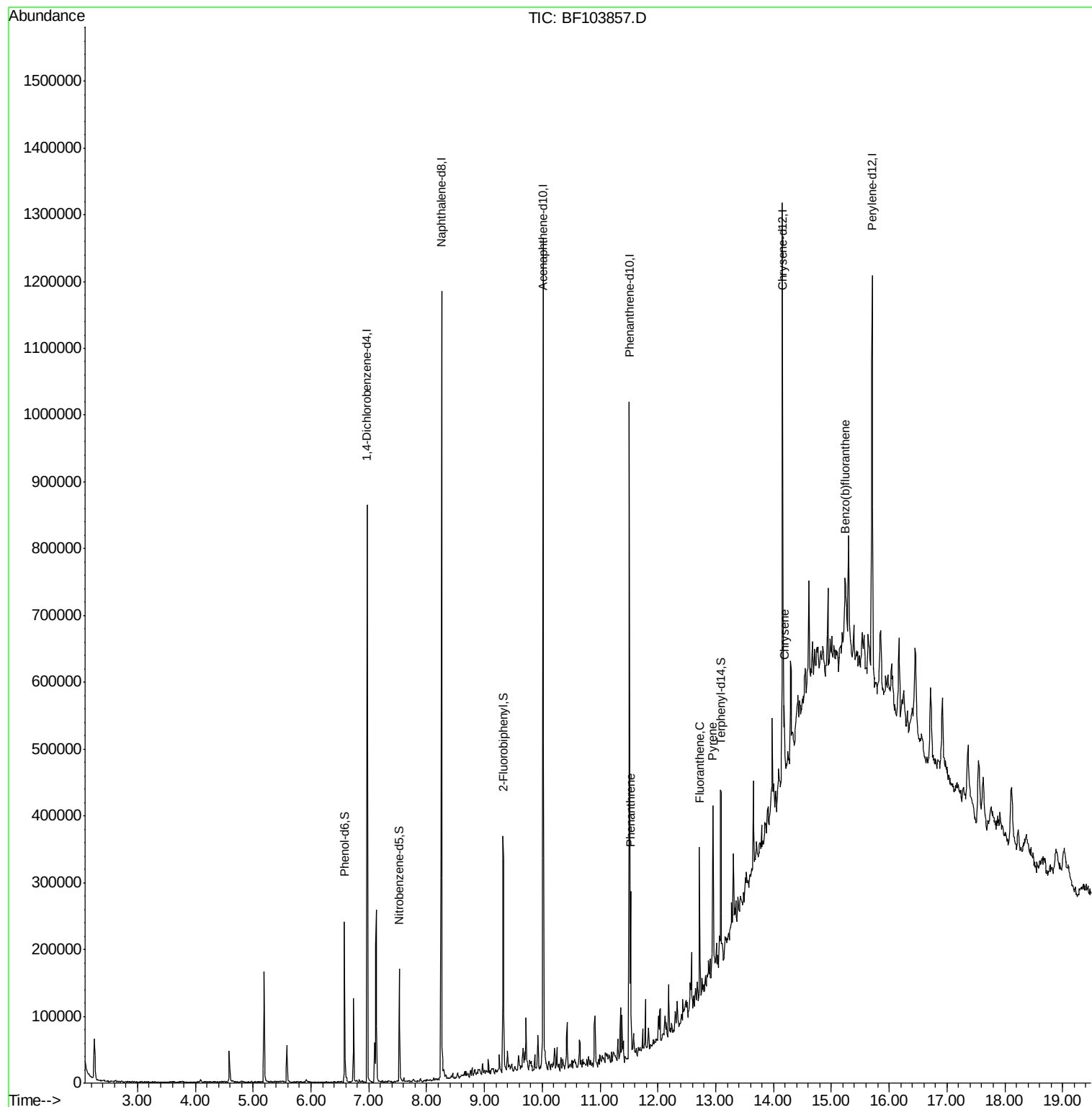
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103857.D
Acq On : 22 Mar 2018 17:39
Operator : JU/SJ
Sample : J1997-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

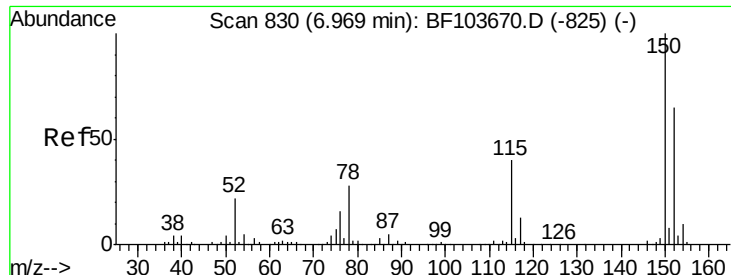
Instrument :
BNA_F
ClientSampleId :
DGA-TOP-LAYER-1-A

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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#1

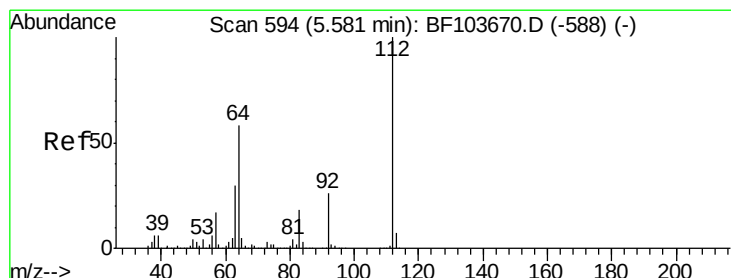
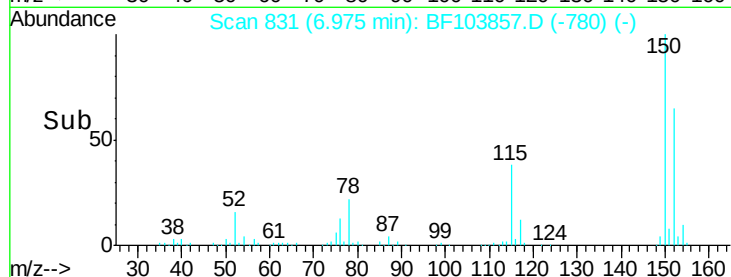
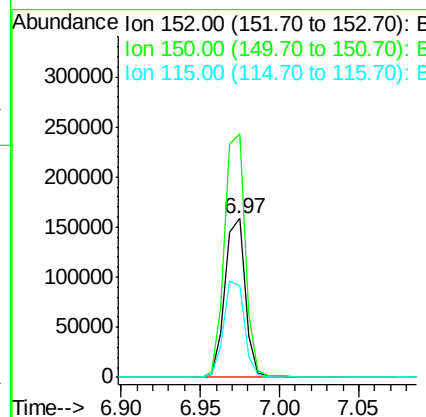
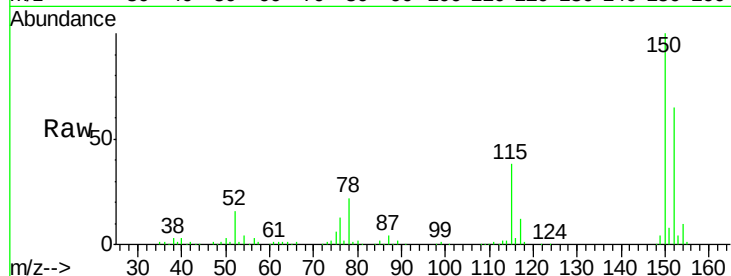
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Instrument :
BNA_F
ClientSampleId :
DGA-TOP-LAYER-1-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.6	186.8
115	57.8	50.1	75.1

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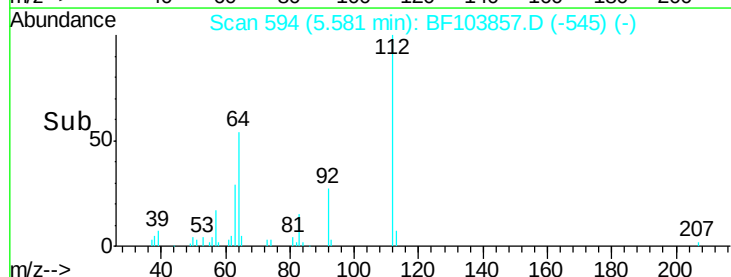
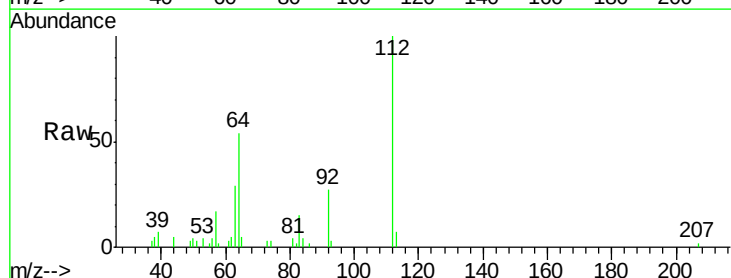
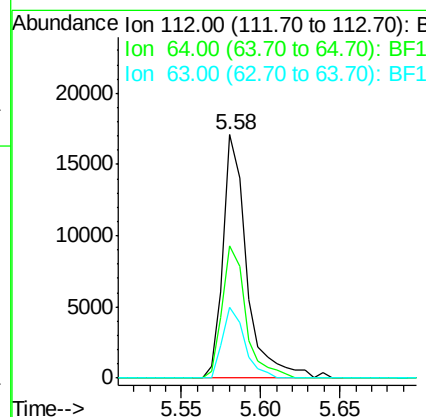
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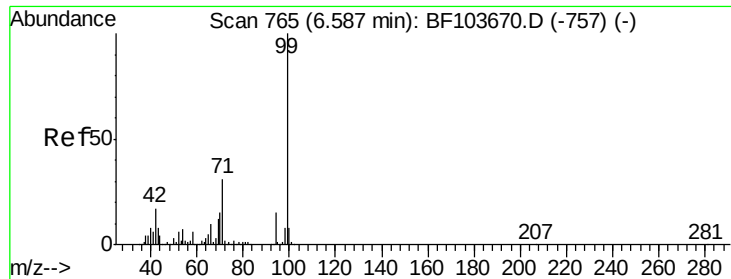


#5

2-Fluorophenol
Concen: 1.902 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 7.092 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Instrument :

BNA_F

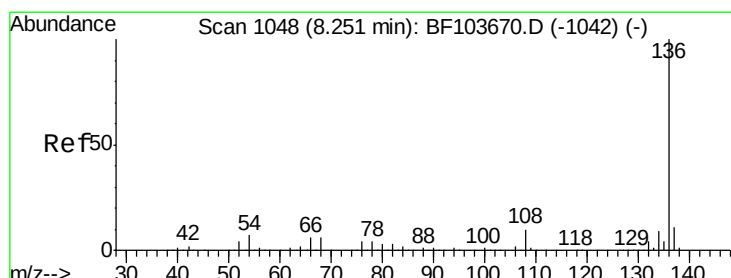
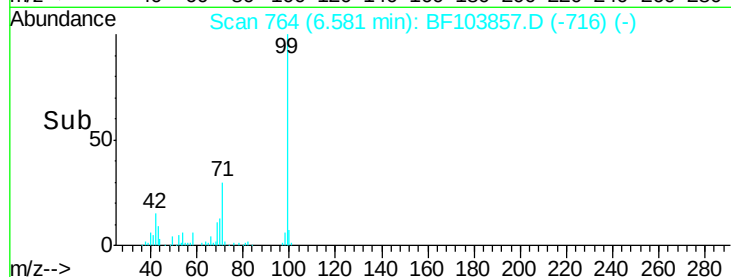
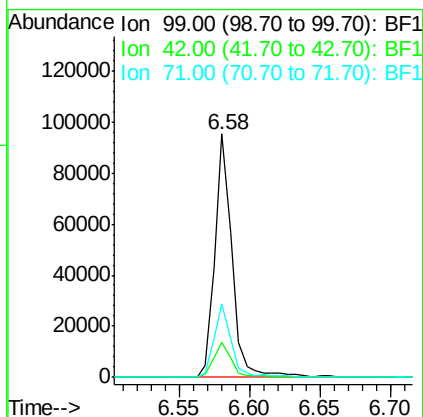
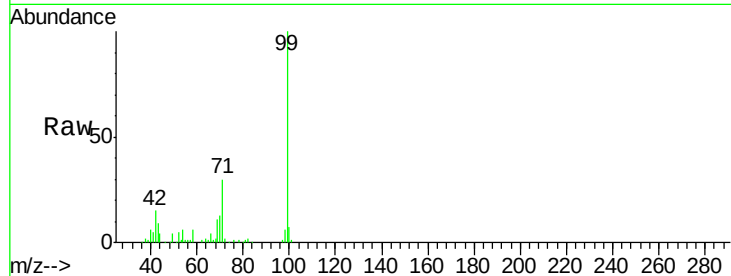
ClientSampleId :

DGA-TOP-LAYER-1-A

Tgt Ion:	99	Resp:	80992
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	30.3	25.4	38.0

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

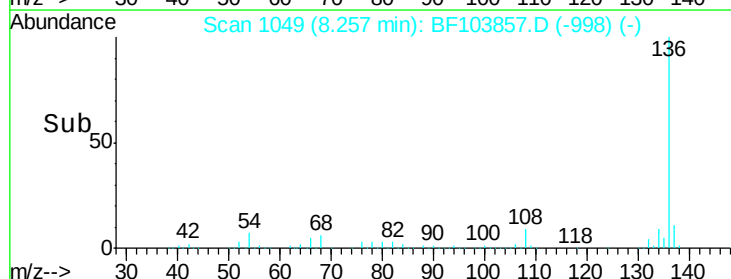
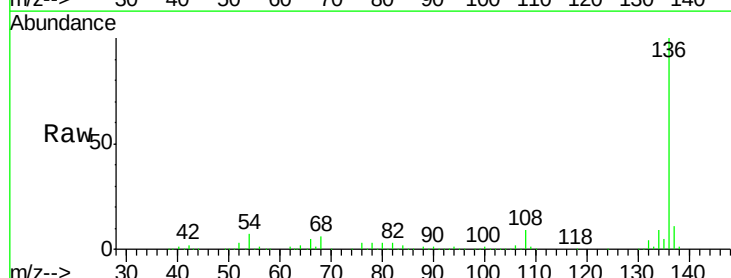
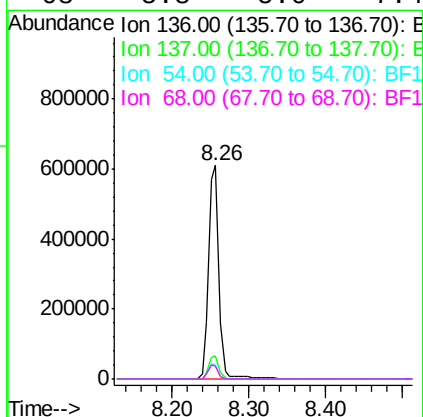
RT: 8.26 min Scan# 1049

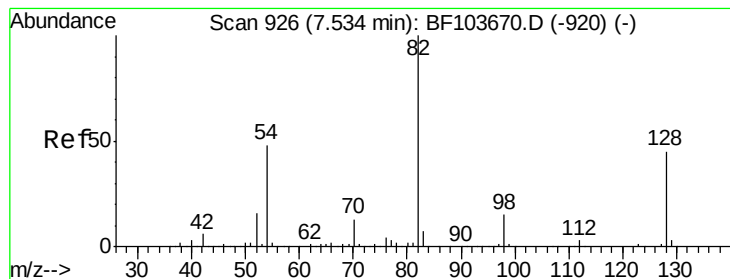
Delta R.T. -0.00 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Tgt Ion:	136	Resp:	564475
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	6.6	6.6	9.8
68	5.8	5.0	7.4





#23

Nitrobenzene-d5

Concen: 6.343 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Instrument :

BNA_F

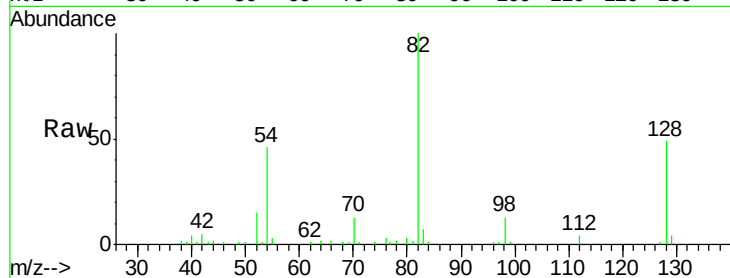
ClientSampleId :

DGA-TOP-LAYER-1-A

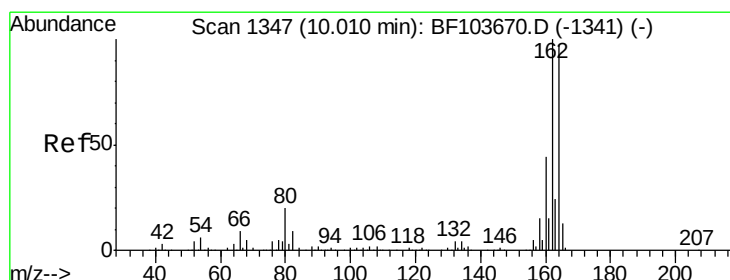
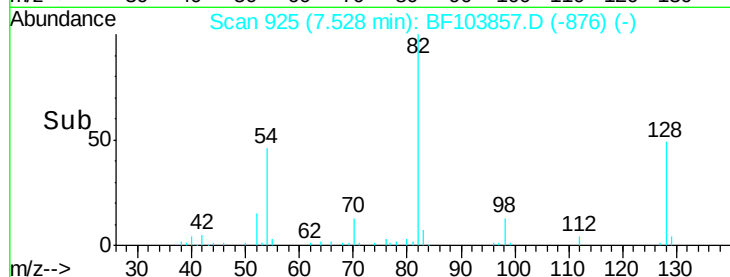
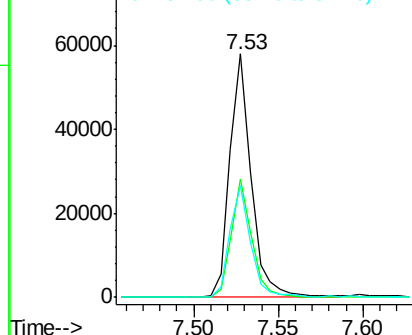
Tgt Ion:	82	Resp:	51344
Ion Ratio	Lower	Upper	
82	100		
128	48.6	36.1	54.1
54	46.0	41.4	62.2

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

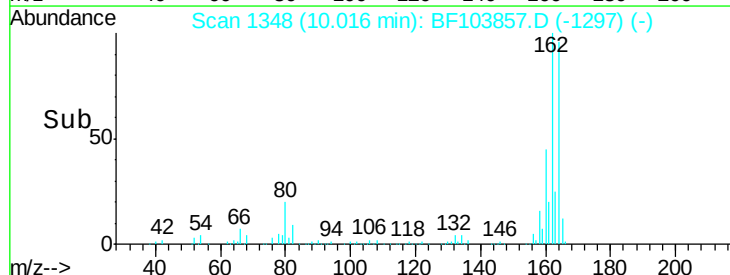
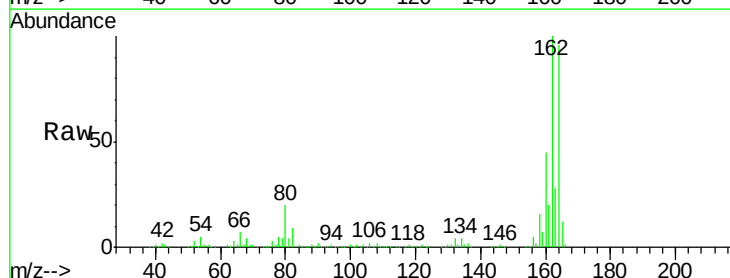
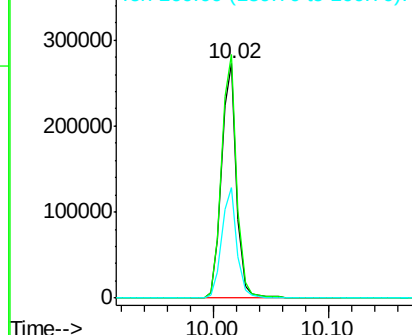
Delta R.T. -0.00 min

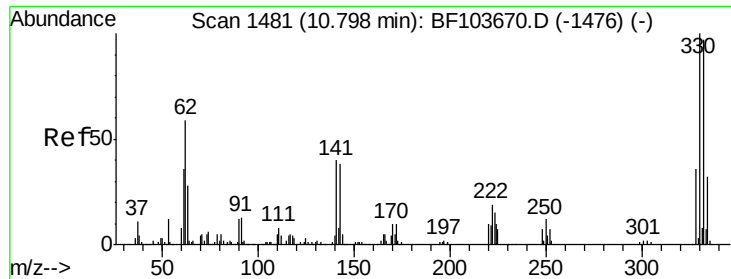
Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Tgt Ion:	164	Resp:	244880
Ion Ratio	Lower	Upper	
164	100		
162	104.0	86.1	129.1
160	47.1	38.3	57.5

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: 0.257 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Instrument :

BNA_F

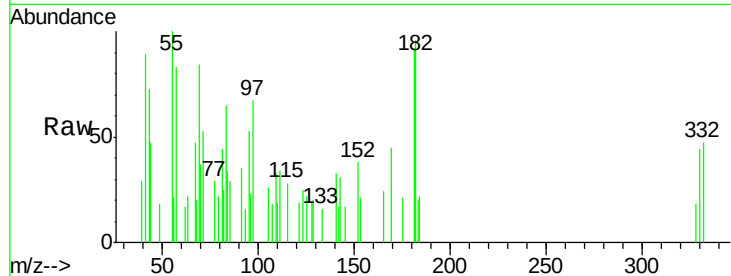
ClientSampleId :

DGA-TOP-LAYER-1-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	117.7	77.0	115.6#
141	137.3	29.9	44.9#

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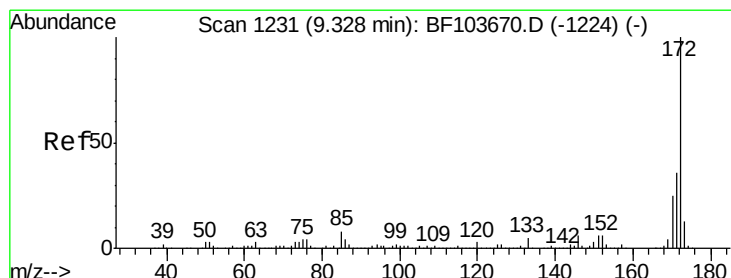
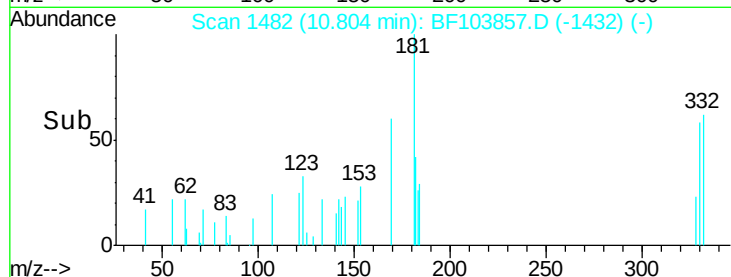
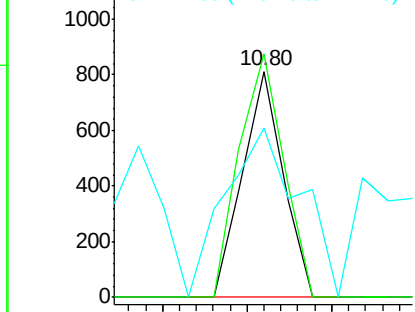


Abundance

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: 7.594 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

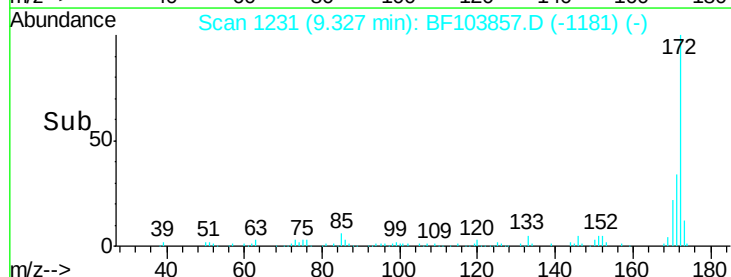
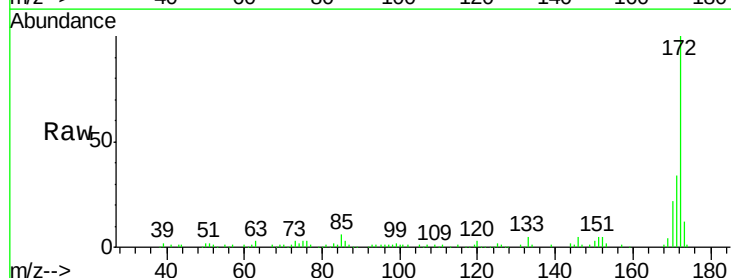
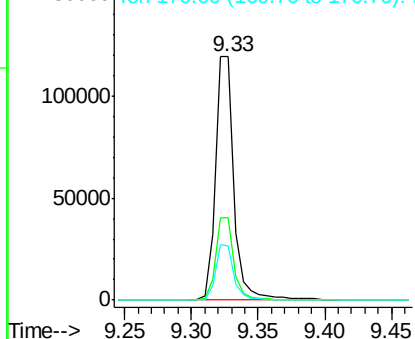
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.7	44.5
170	22.1	19.6	29.4

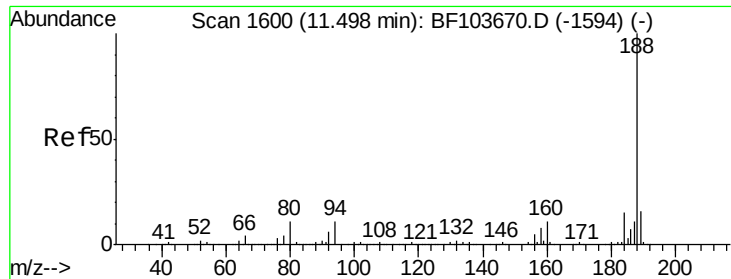
Abundance

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





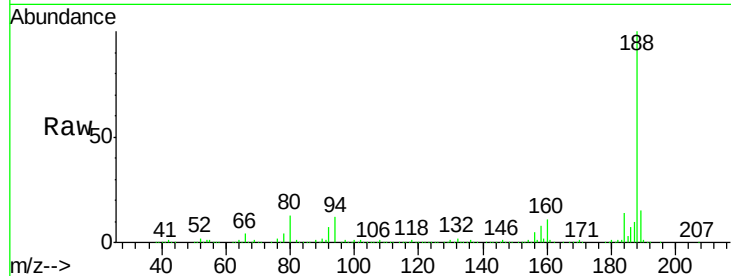
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Instrument :
BNA_F
ClientSampleId :
DGA-TOP-LAYER-1-A

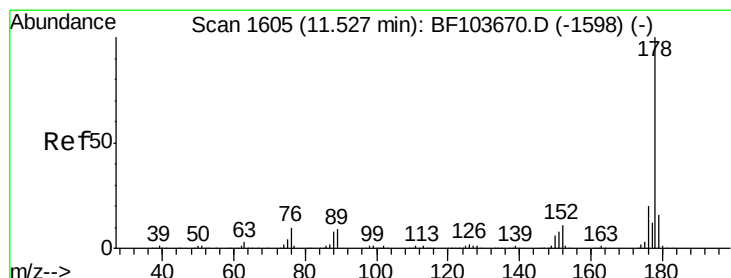
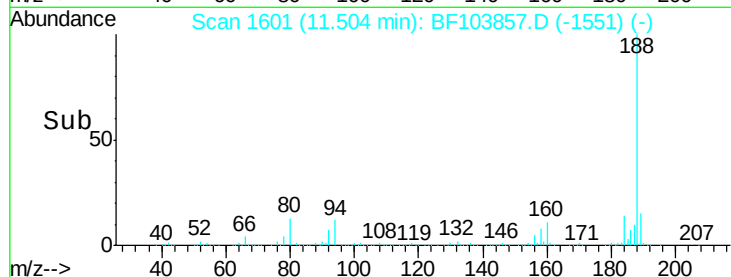
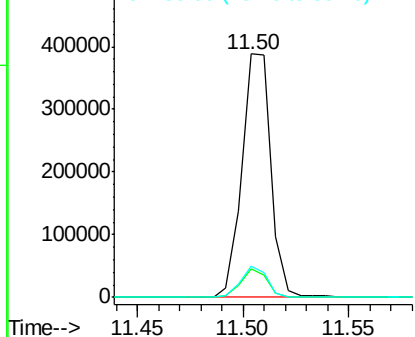
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	368426		
94	11.5	8.5	12.7	
80	12.7	9.2	13.8	

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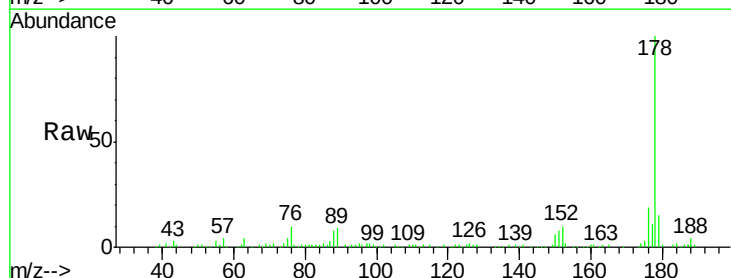


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

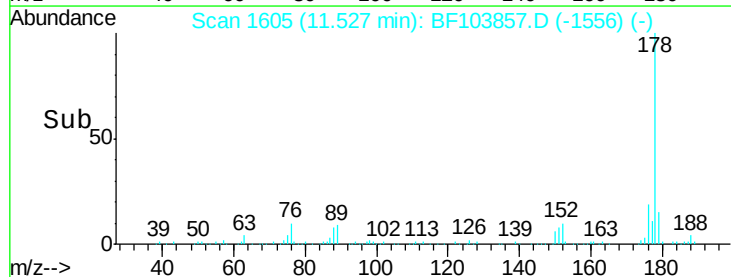
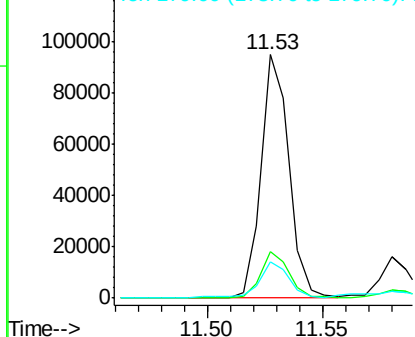


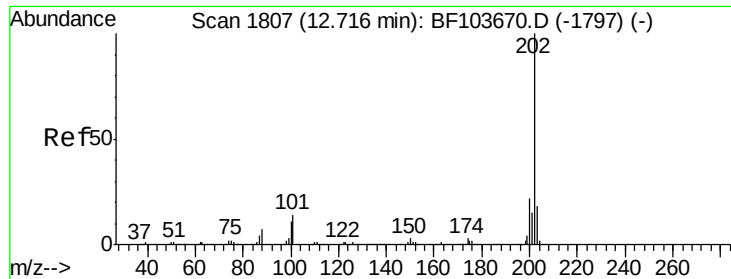
#70
Phenanthrene
Concen: 3.968 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF103857.D
Acq: 22 Mar 2018 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	79968		
176	19.0	15.8	23.8	
179	15.1	13.0	19.6	



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





#74

Fluoranthene

Concen: 4.135 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Instrument :

BNA_F

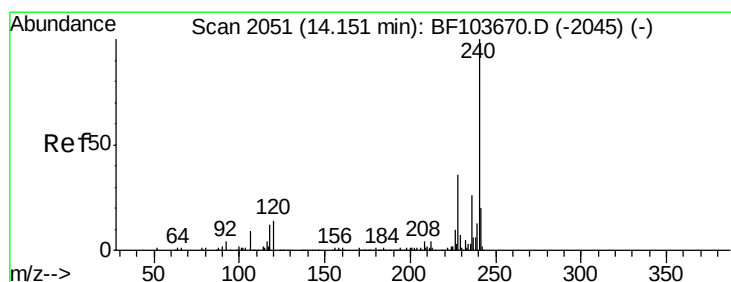
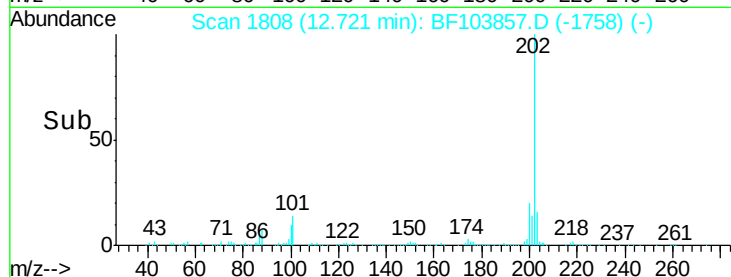
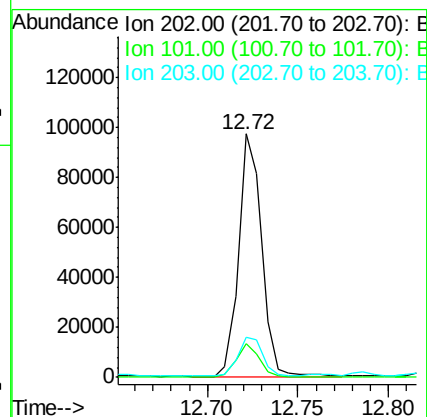
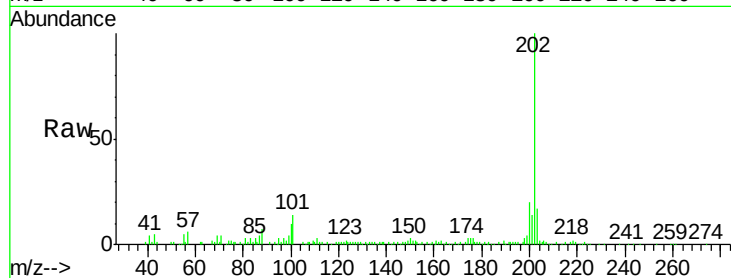
ClientSampleId :

DGA-TOP-LAYER-1-A

Tgt Ion:	202	Resp:	85856
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	34.1
203	16.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

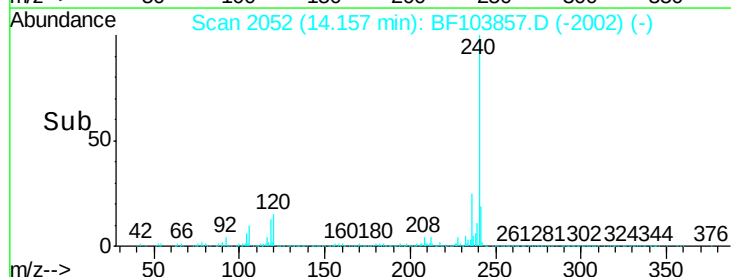
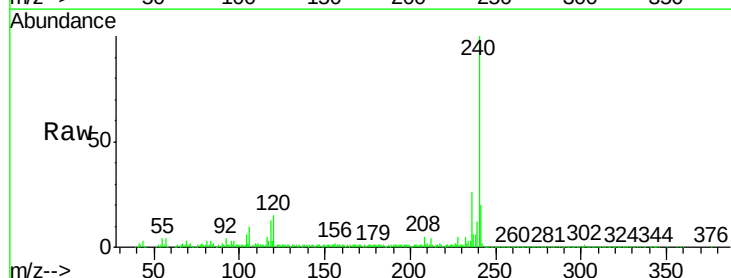
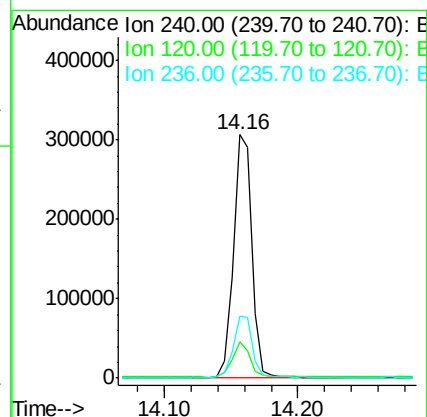
RT: 14.16 min Scan# 2052

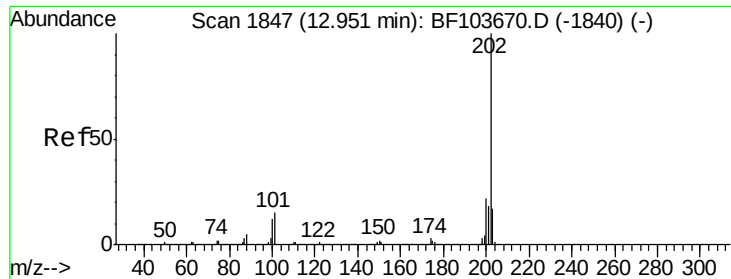
Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Tgt Ion:	240	Resp:	297823
Ion Ratio	Lower	Upper	
240	100		
120	14.9	9.5	14.3#
236	25.5	20.7	31.1





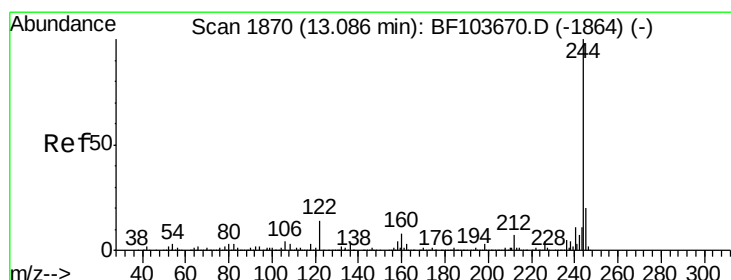
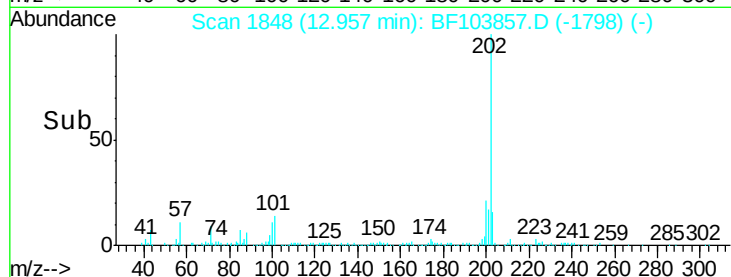
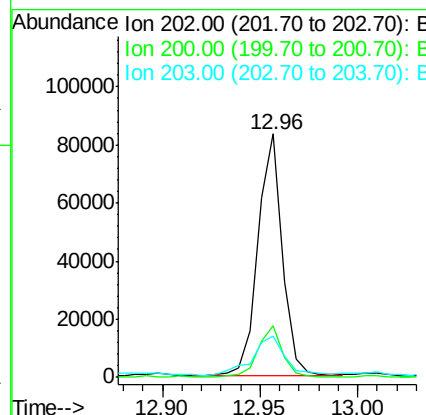
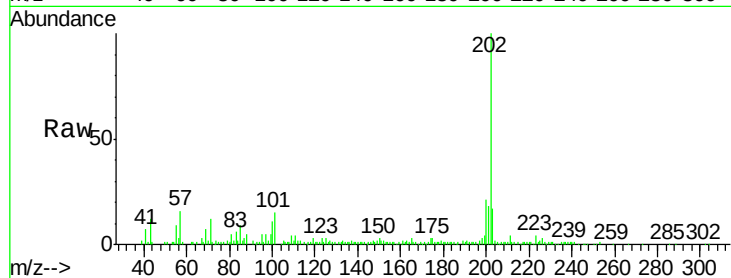
#77
 Pyrene
 Concen: 3.302 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF103857.D
 Acq: 22 Mar 2018 17:39

Instrument :
 BNA_F
 ClientSampleId :
 DGA-TOP-LAYER-1-A

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	16.8	14.3	21.5

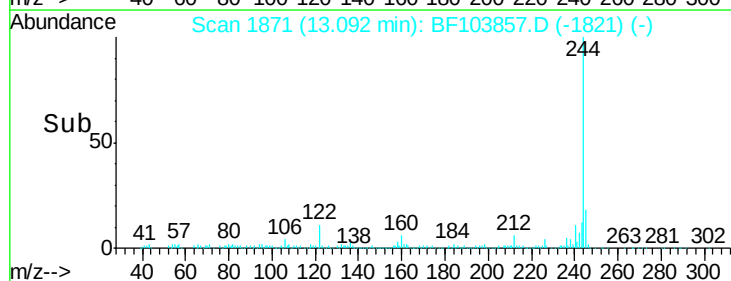
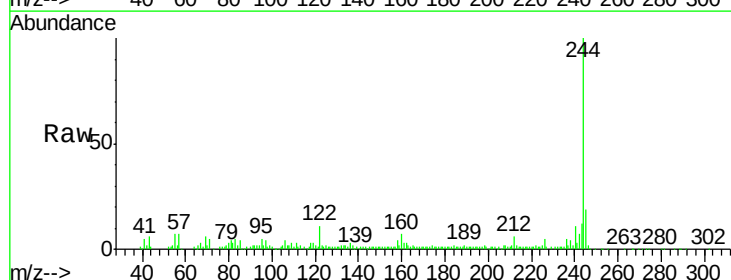
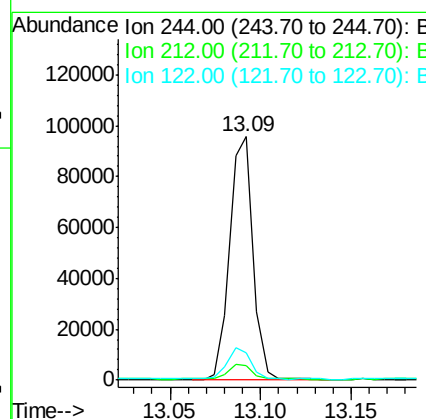
Manual Integrations
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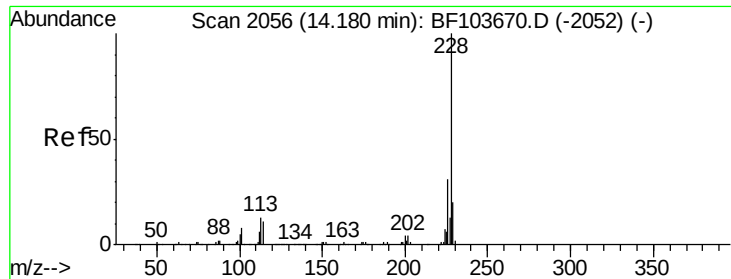
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#78
 Terphenyl-d14
 Concen: 6.739 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF103857.D
 Acq: 22 Mar 2018 17:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	11.0	11.0	16.4





#82

Chrysene

Concen: 2.061 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF103857.D

Acq: 22 Mar 2018 17:39

Instrument :

BNA_F

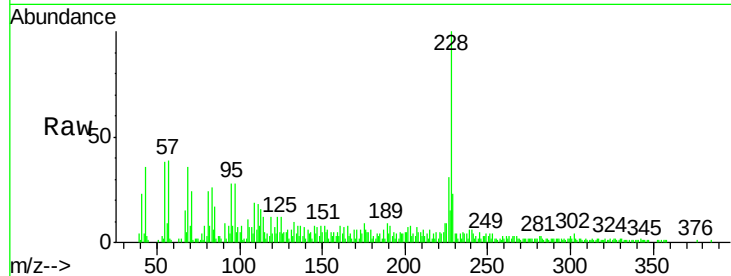
ClientSampleId :

DGA-TOP-LAYER-1-A

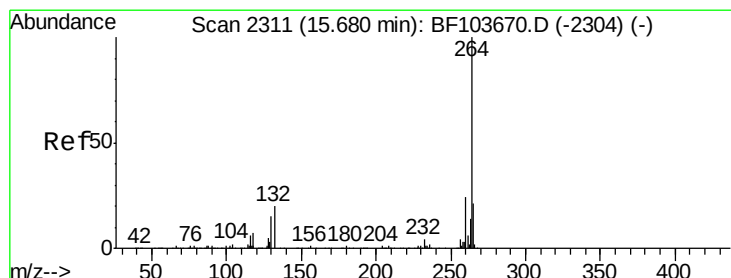
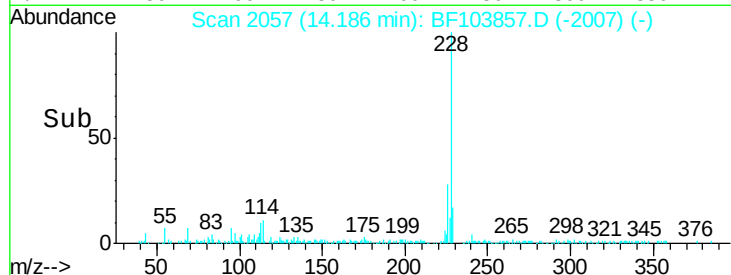
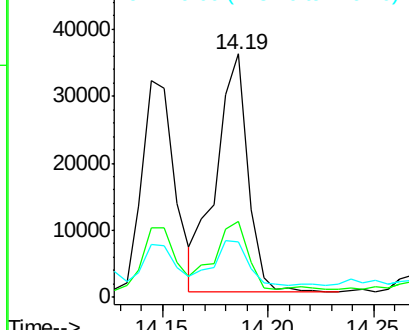
Tgt Ion:	228	Resp:	37029
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.6	16.2	24.4

Manual Integrations
APPROVED

Sohil
3/23/2018 2:46:43 PM



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



#86

Perylene-d12

Concen: 20.000 ng

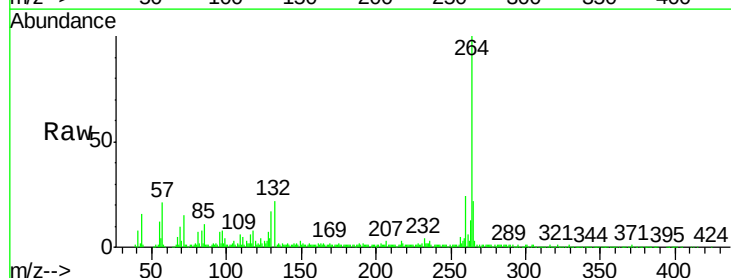
RT: 15.70 min Scan# 2315

Delta R.T. 0.01 min

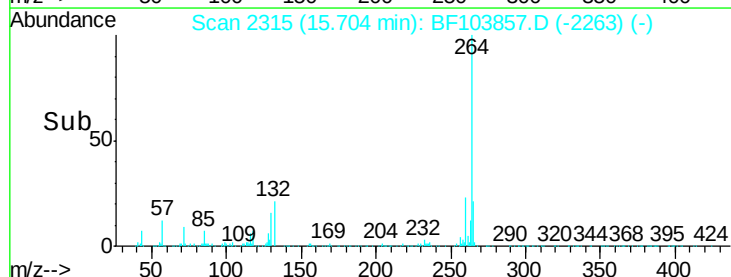
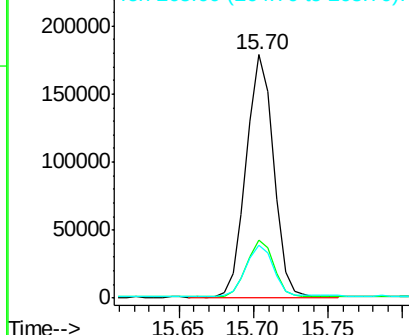
Lab File: BF103857.D

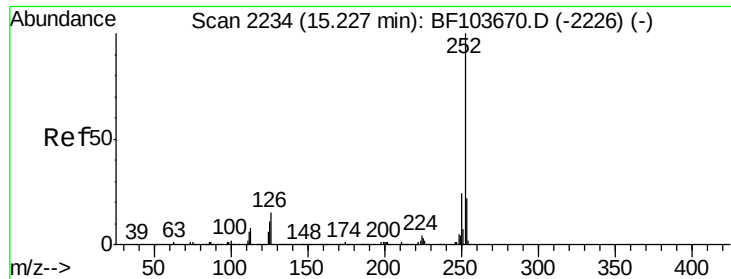
Acq: 22 Mar 2018 17:39

Tgt Ion:	264	Resp:	225765
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	21.7	17.5	26.3



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: 2.496 ng m
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF103857.D
 Acq: 22 Mar 2018 17:39

Instrument :
 BNA_F
 ClientSampleId :
 DGA-TOP-LAYER-1-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.5	17.0	25.6#
125	33.5	9.0	13.6#

Manual Integrations
 APPROVED

Sohil
 3/23/2018 2:46:43 PM

