

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104566.D
 Acq On : 17 Apr 2018 17:31
 Operator : JU/SJ
 Sample : J2395-01RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:00:38 PM

Quant Time: Apr 17 18:19:51 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	131805	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	534251	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	230206	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	386351	20.00	ng	0.00
75) Chrysene-d12	13.97	240	314031	20.00	ng	0.00
86) Perylene-d12	15.44	264	275983	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	41582	4.82	ng	0.00
7) Phenol-d6	6.43	99	413465	39.04	ng	-0.01
23) Nitrobenzene-d5	7.37	82	609878	74.54	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	477	0.20	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1037859	71.22	ng	0.00
78) Terphenyl-d14	12.92	244	915673	66.48	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	169332	9.328	ng	98
70) Phenanthrene	11.36	178	93813	4.360	ng	97
74) Fluoranthene	12.54	202	113971	5.070	ng	98
77) Pyrene	12.77	202	106139	4.560	ng	98
80) Benzo(a)anthracene	13.96	228	49179	2.621	ng	97
82) Chrysene	14.00	228	48775	2.531	ng	97
87) Benzo(b)fluoranthene	15.02	252	56887m	3.264	ng	
89) Benzo(a)pyrene	15.37	252	37888	2.429	ng	# 86

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

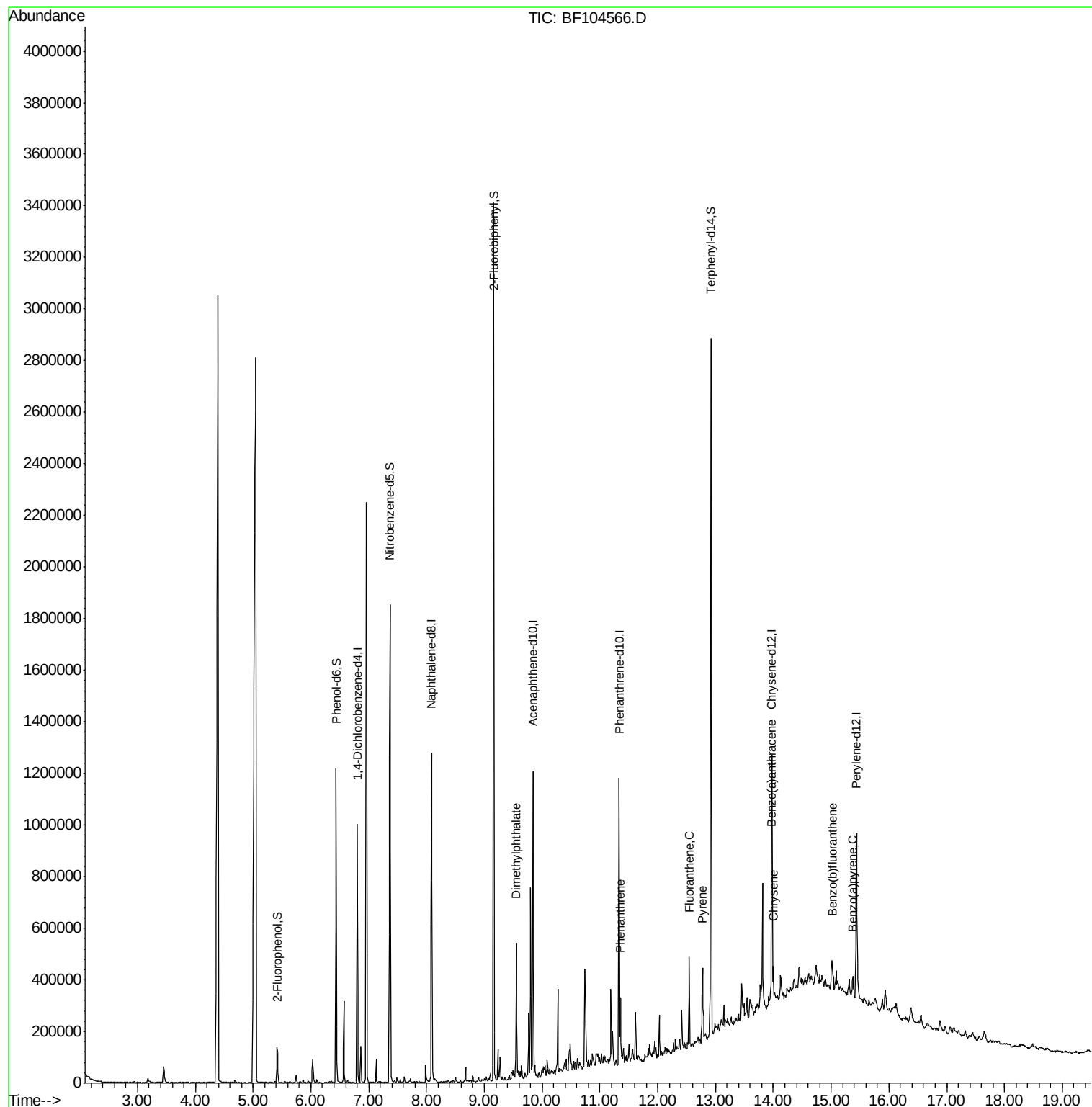
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104566.D
Acq On : 17 Apr 2018 17:31
Operator : JU/SJ
Sample : J2395-01RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

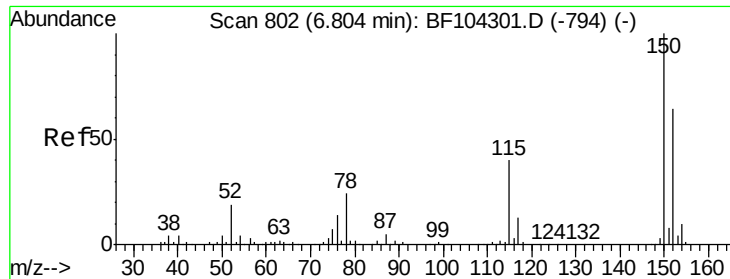
Instrument :
BNA_F
ClientSampleId :
2-1-2-DENSE-GRADE-AGG-RCARE

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:38 PM

Quant Time: Apr 17 18:19:51 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





#1

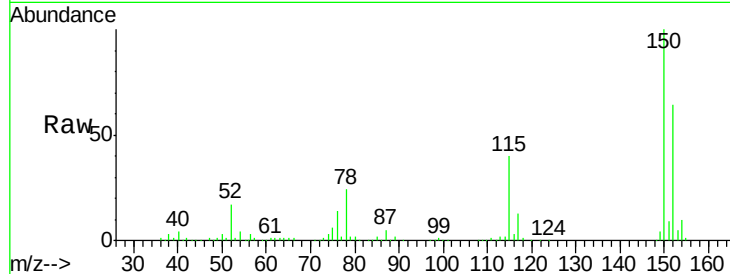
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

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

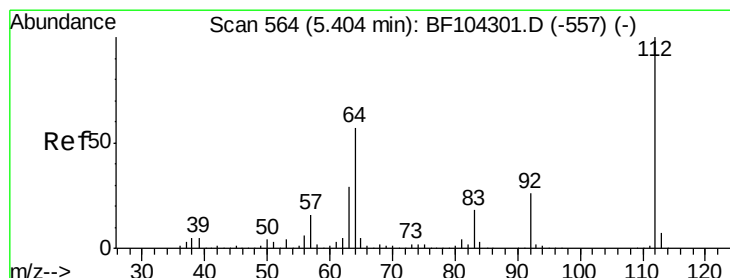
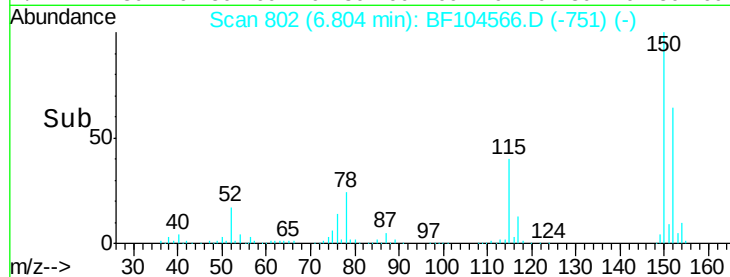
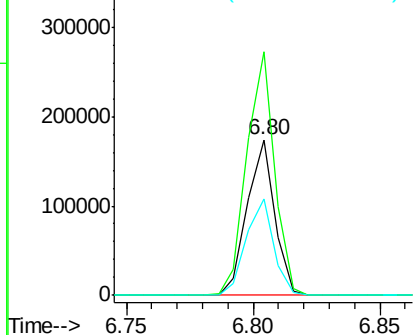
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	61.9	50.1	75.1

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:38 PM



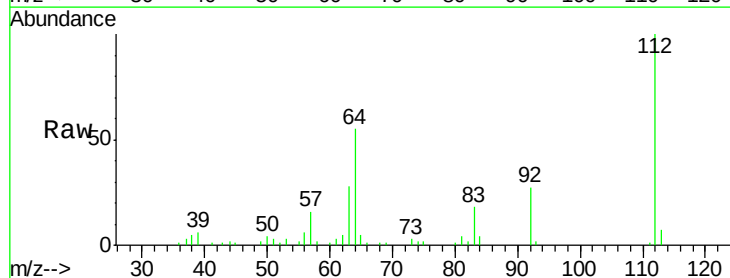
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



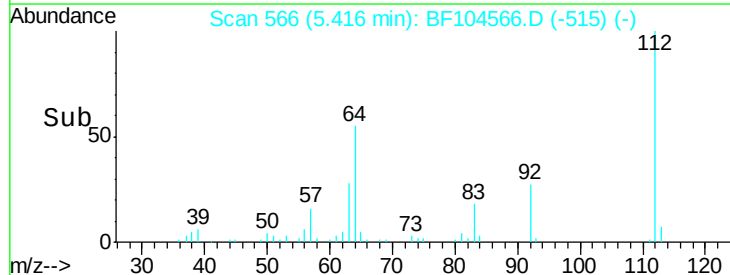
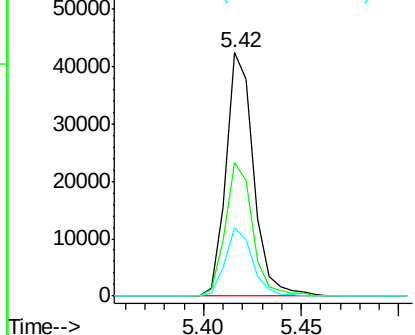
#5

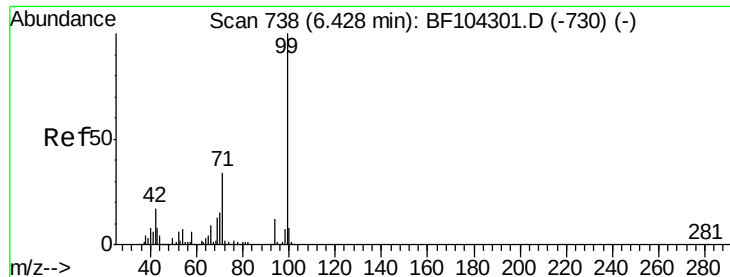
2-Fluorophenol
Concen: 4.824 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	28.0	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: 39.039 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

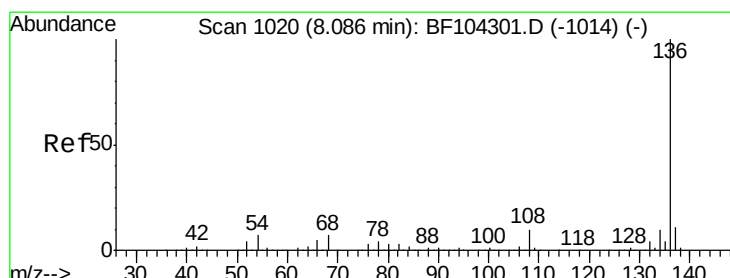
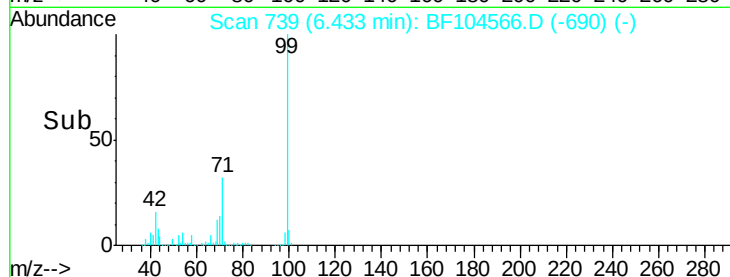
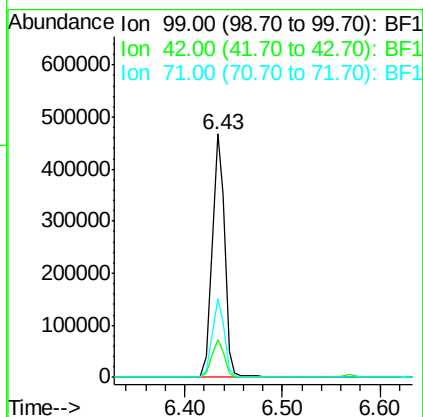
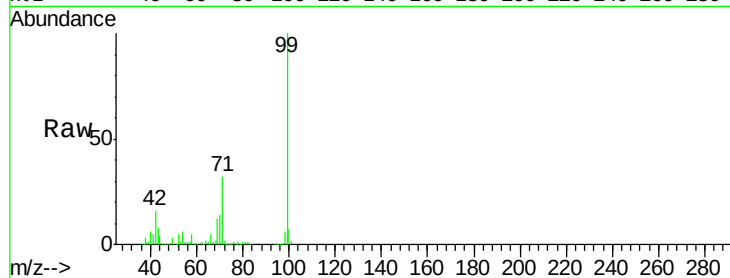
ClientSampleId :

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

Tot Ion:	99	Resp:	413465
Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	32.0	25.4	38.0

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:38 PM



#21

Naphthalene-d8

Concen: 20.000 ng

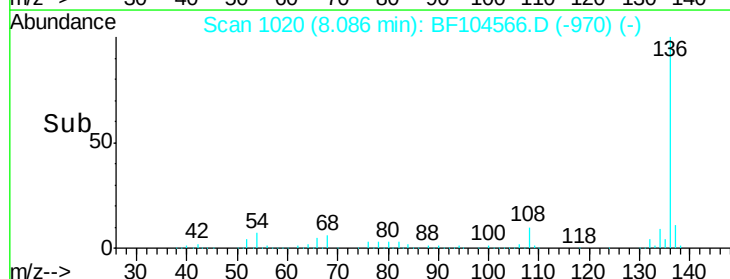
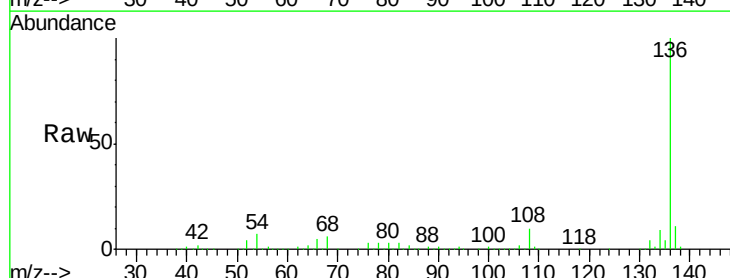
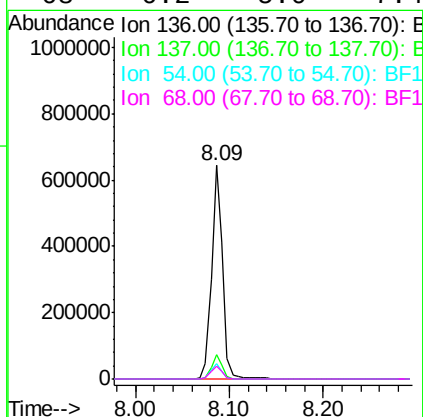
RT: 8.09 min Scan# 1020

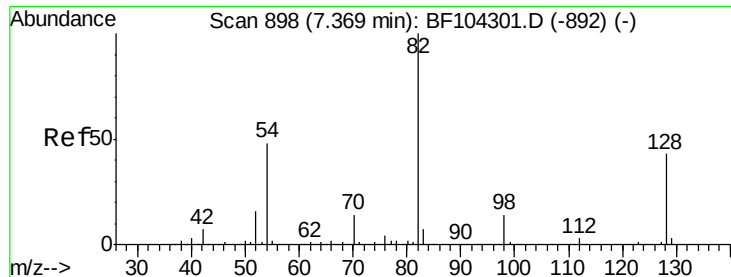
Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Tgt Ion:	136	Resp:	534251
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.2	6.6	9.8
68	6.2	5.0	7.4





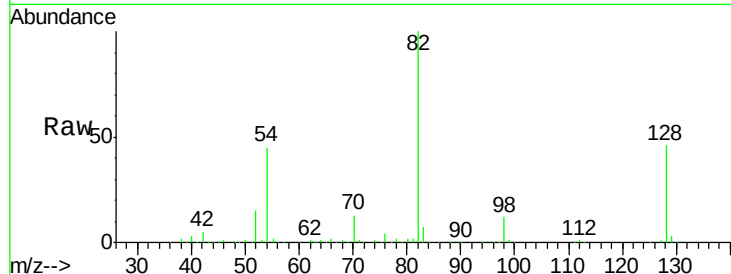
#23
 Nitrobenzene-d5
 Concen: 74.541 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104566.D
 Acq: 17 Apr 2018 17:31

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

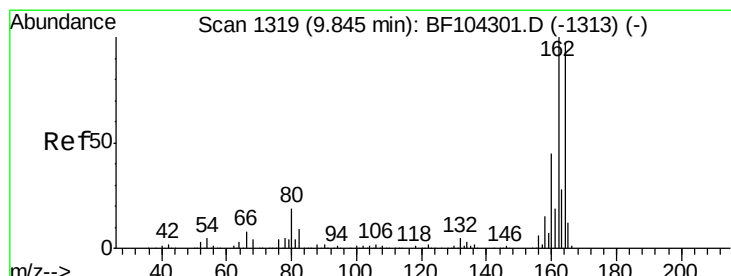
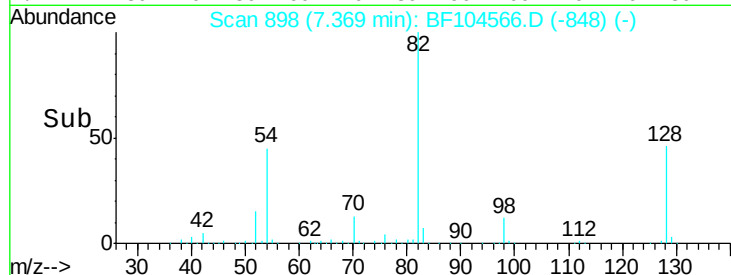
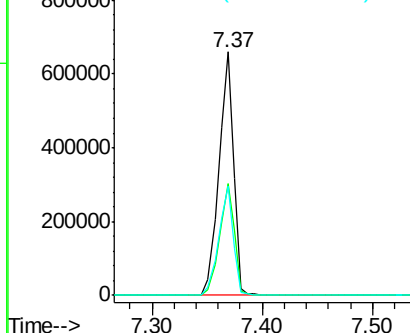
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	44.7	41.4	62.2

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:00:38 PM



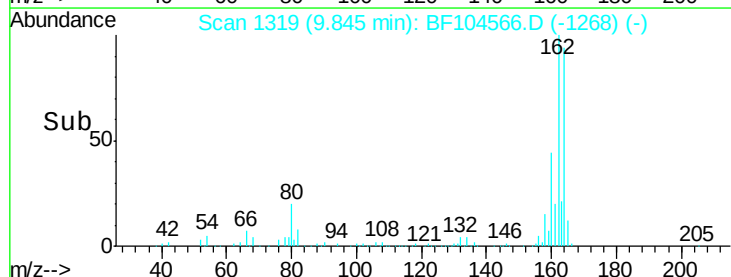
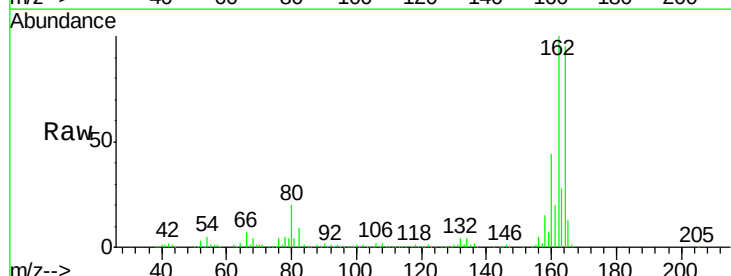
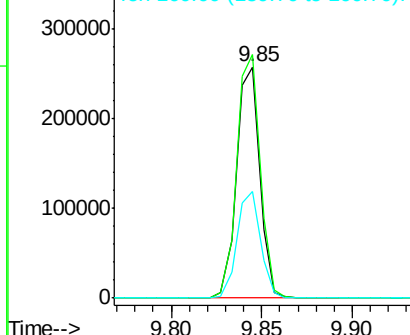
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

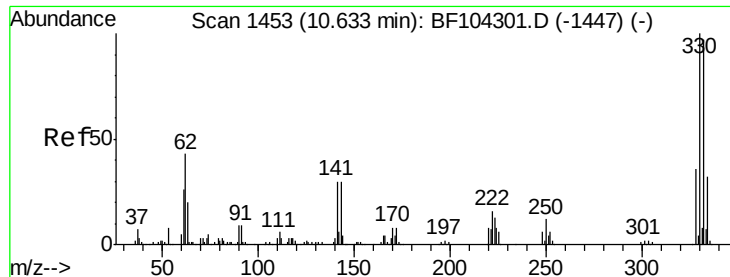


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104566.D
 Acq: 17 Apr 2018 17:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	46.3	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 0.200 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

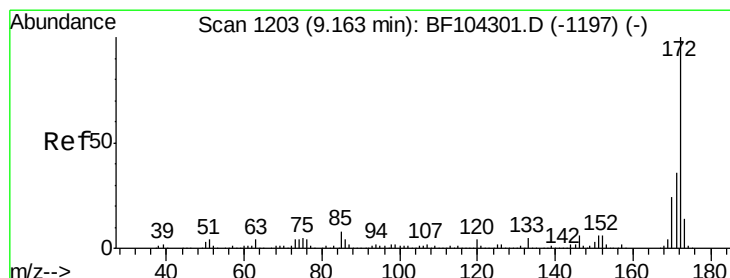
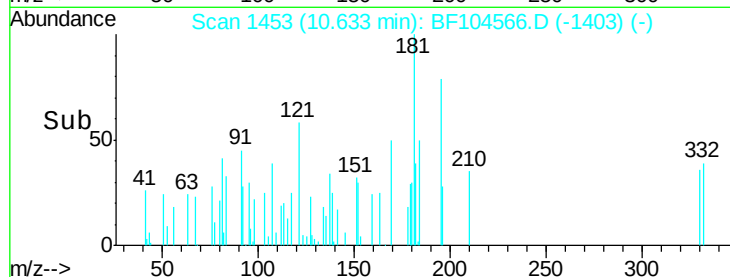
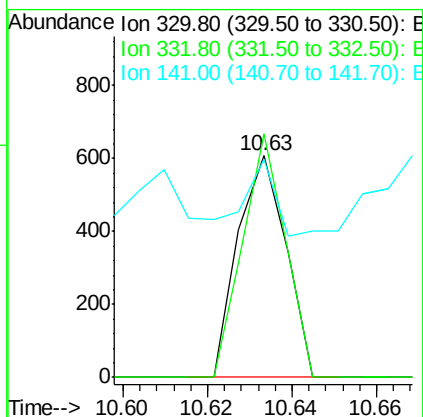
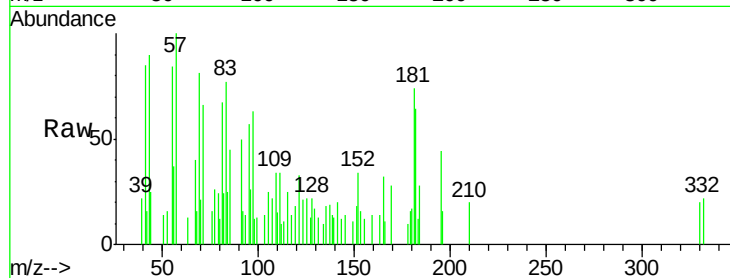
ClientSampleId :

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

Tot Ion:	330	Resp:	477
Ion Ratio	Lower	Upper	
330	100		
332	97.9	77.0	115.6
141	0.0	29.9	44.9#

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:38 PM



#44

2-Fluorobiphenyl

Concen: 71.221 ng

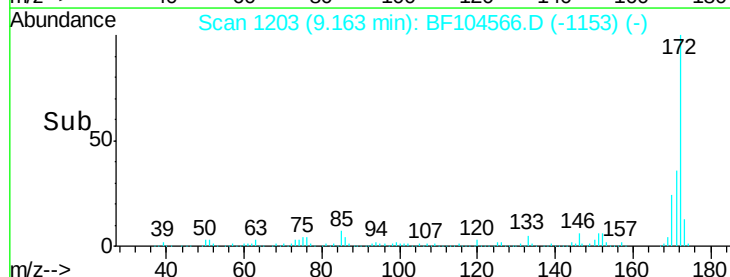
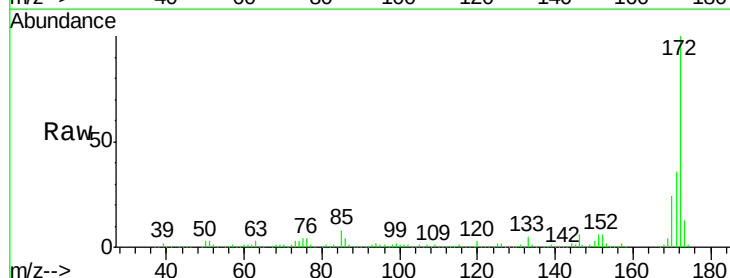
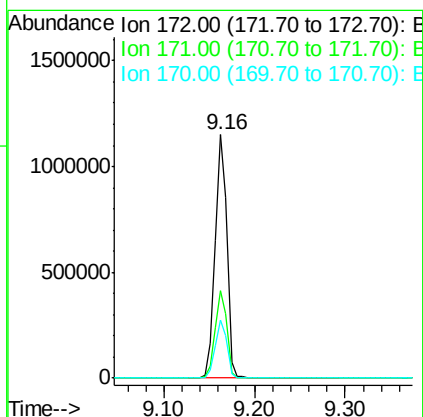
RT: 9.16 min Scan# 1203

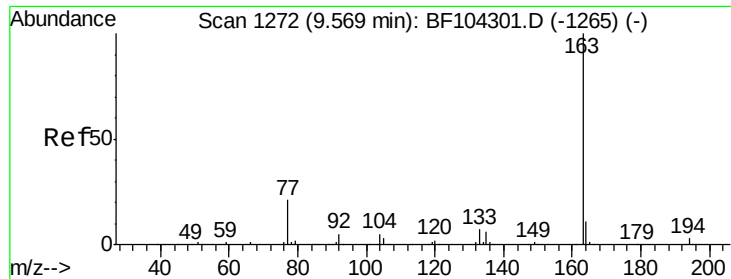
Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Tgt Ion:	172	Resp:	1037859
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.7	44.5
170	23.8	19.6	29.4





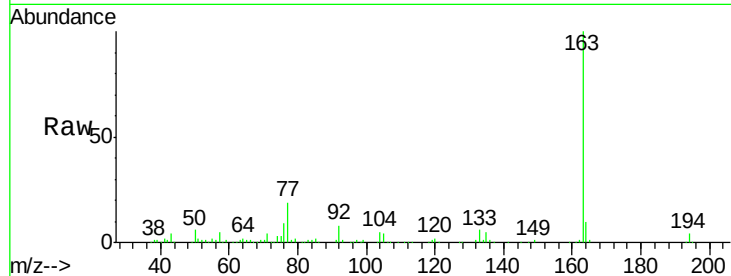
#49
Dimethylphthalate
Concen: 9.328 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		169332		
194	3.6		2.7	4.1	
164	9.5		8.2	12.2	

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:38 PM

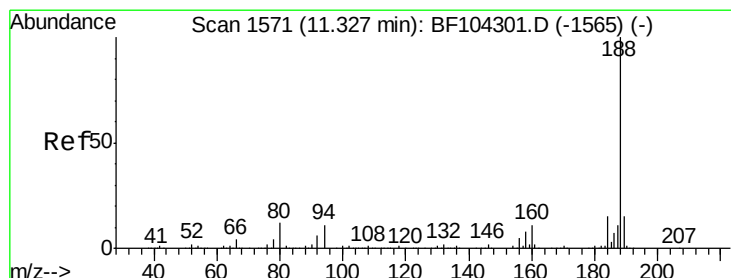
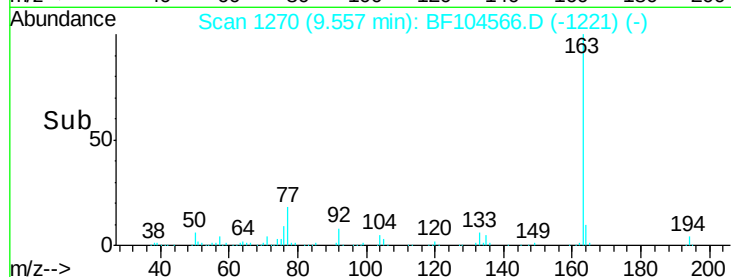
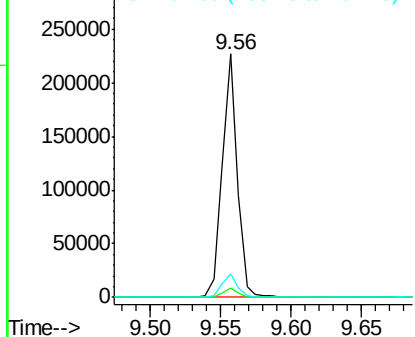


Abundance

Ion 163.00 (162.70 to 163.70): E

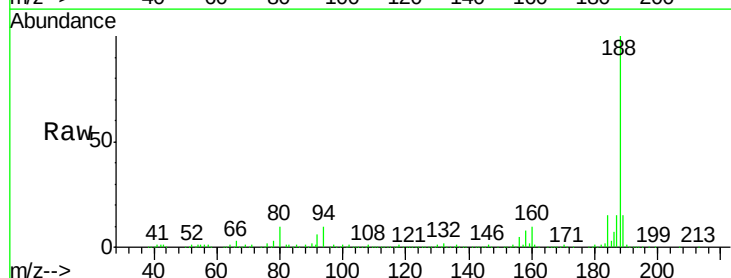
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		386351		
94	10.0		8.5	12.7	
80	10.4		9.2	13.8	

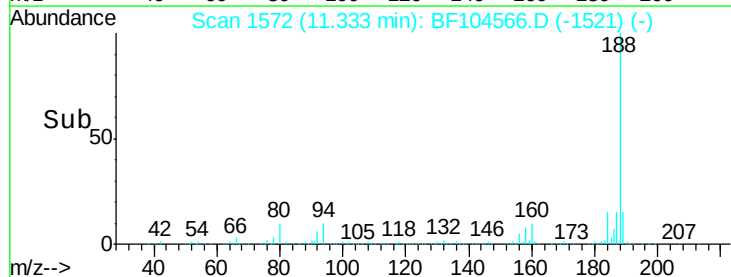
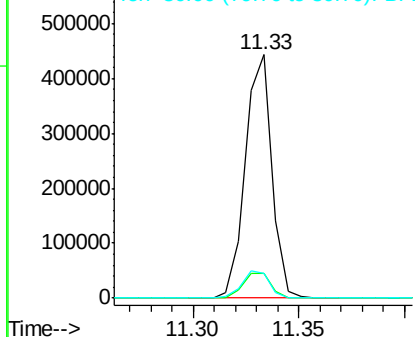


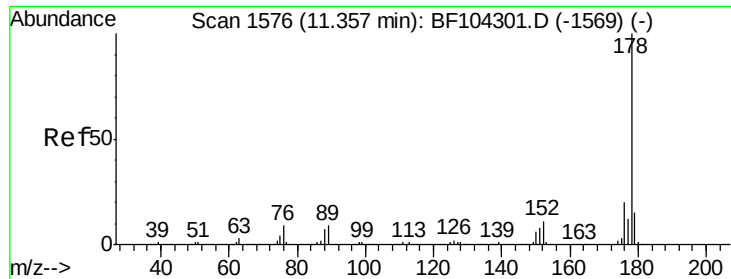
Abundance

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: 4.360 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

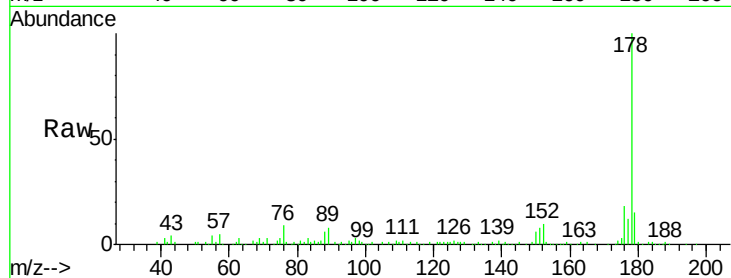
ClientSampleId :

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

Tot Ion:178	Resp:	93813
Ion Ratio	Lower	Upper
178 100		
176 18.2	15.8	23.8
179 15.4	13.0	19.6

Manual Integrations
APPROVED

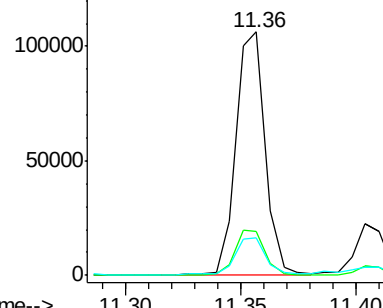
Sohil
4/18/2018 3:00:38 PM



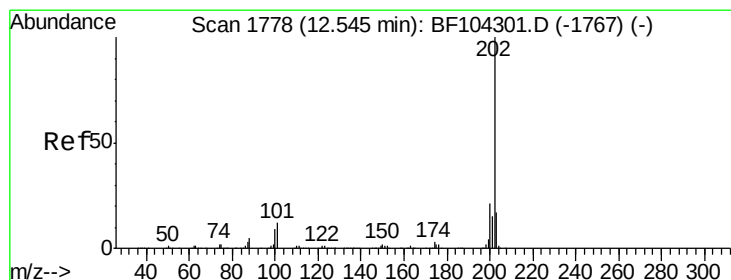
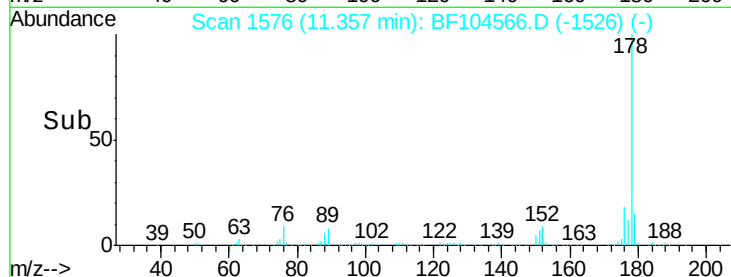
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 5.070 ng

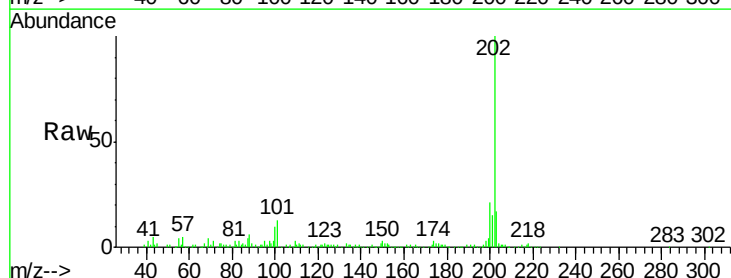
RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

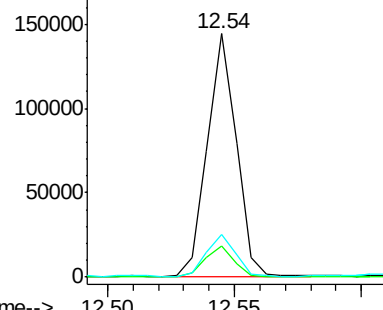
Tgt Ion:202	Resp:	113971
Ion Ratio	Lower	Upper
202 100		
101 12.6	0.0	34.1
203 17.4	0.0	38.1



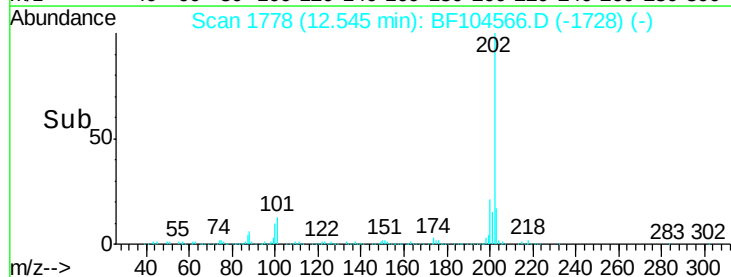
Abundance Ion 202.00 (201.70 to 202.70): E

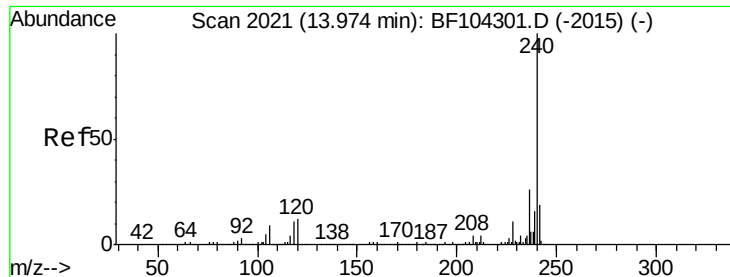
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

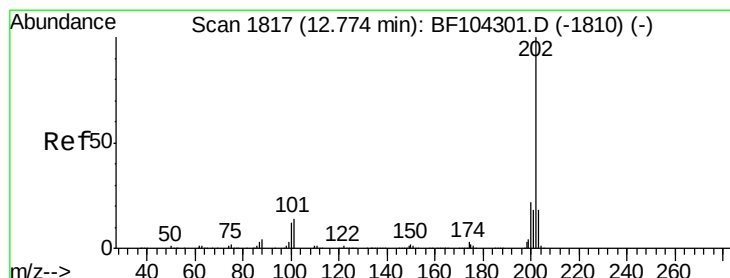
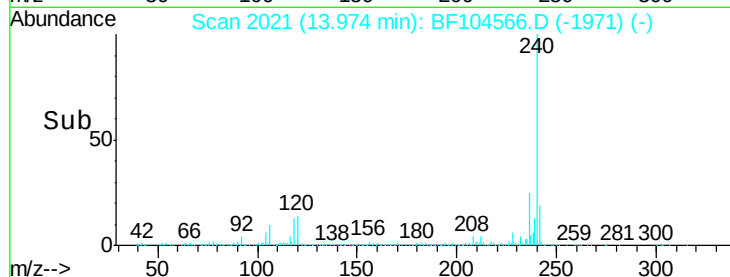
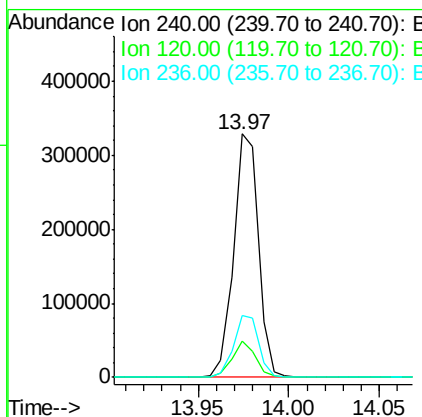
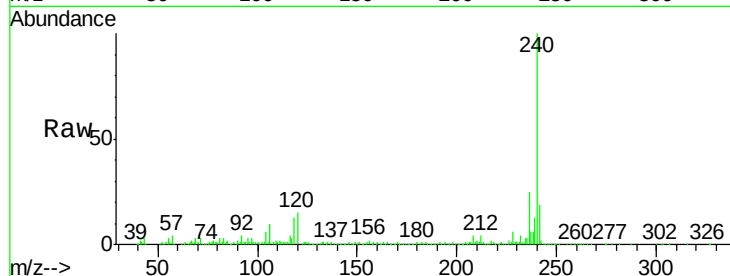
ClientSampleId :

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

Tot Ion:	240	Resp:	314031
Ion Ratio	Lower	Upper	
240	100		
120	14.7	9.5	14.3#
236	25.3	20.7	31.1

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:38 PM



#77

Pyrene

Concen: 4.560 ng

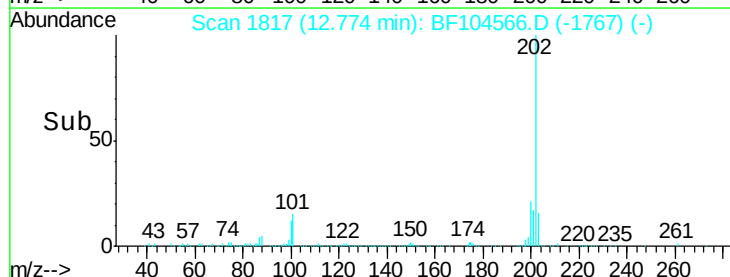
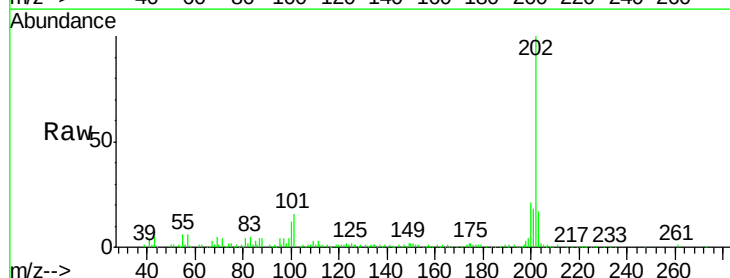
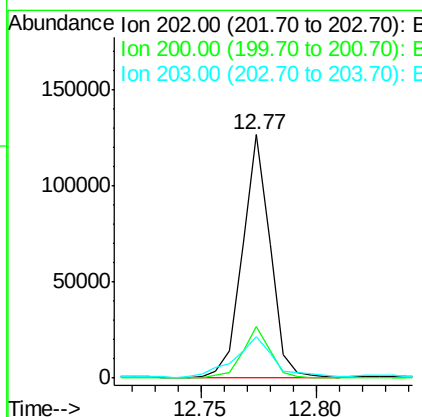
RT: 12.77 min Scan# 1817

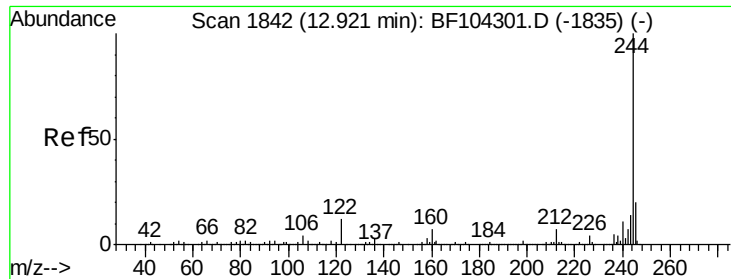
Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Tgt Ion:	202	Resp:	106139
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.1	14.3	21.5





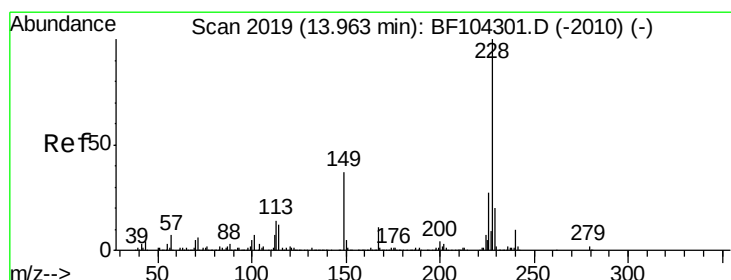
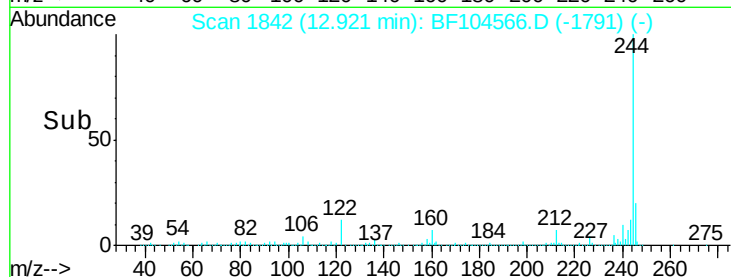
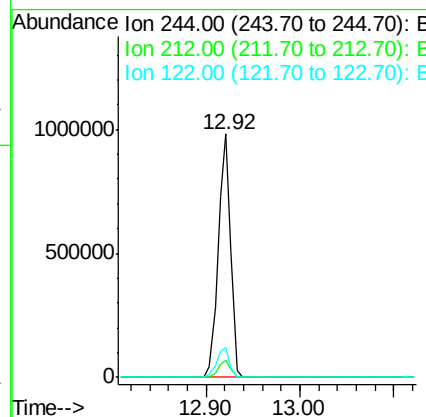
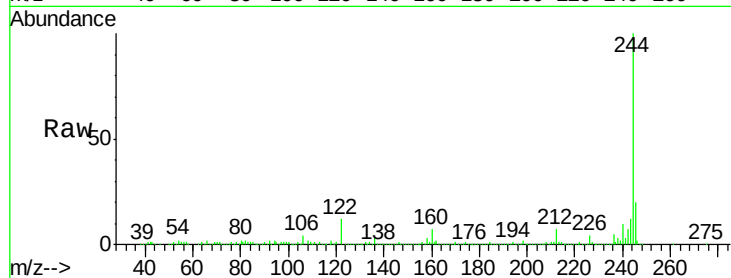
#78
 Terphenyl-d14
 Concen: 66.477 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF104566.D
 Acq: 17 Apr 2018 17:31

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.4	11.0	16.4

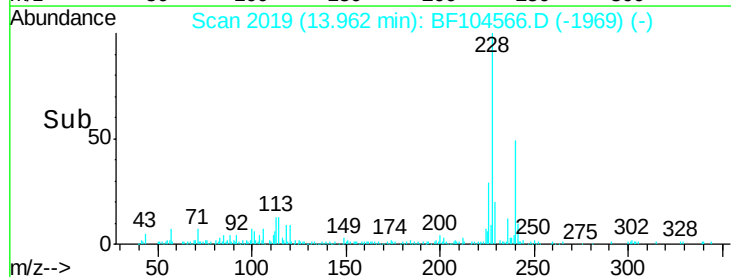
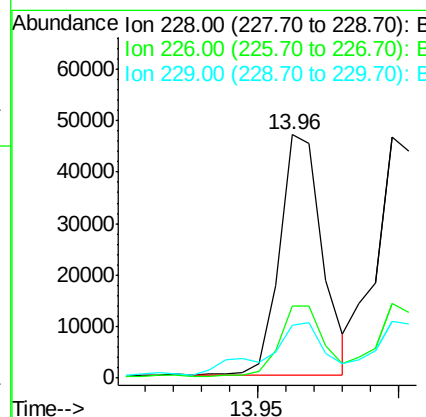
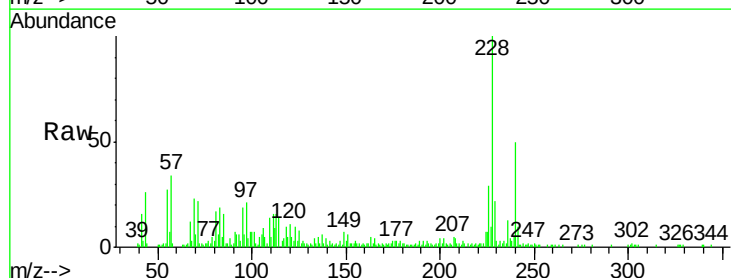
Manual Integrations
 APPROVED

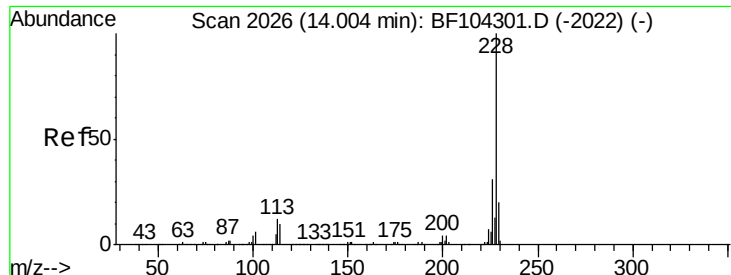
Sohil
 4/18/2018 3:00:38 PM



#80
 Benzo(a)anthracene
 Concen: 2.621 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104566.D
 Acq: 17 Apr 2018 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.7	15.8	23.6





#82

Chrysene

Concen: 2.531 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

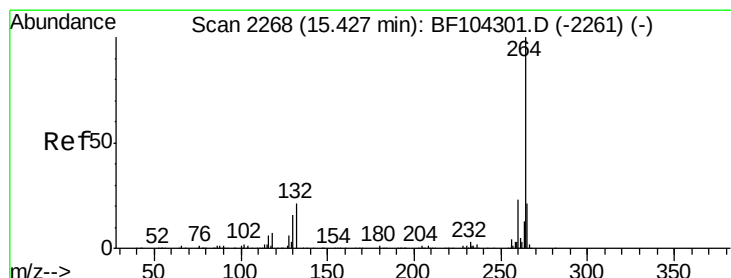
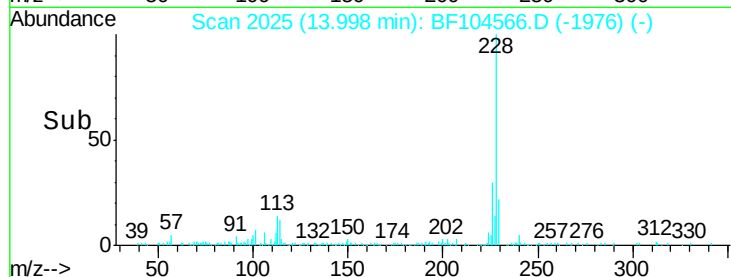
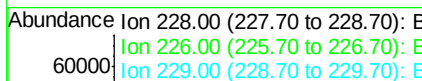
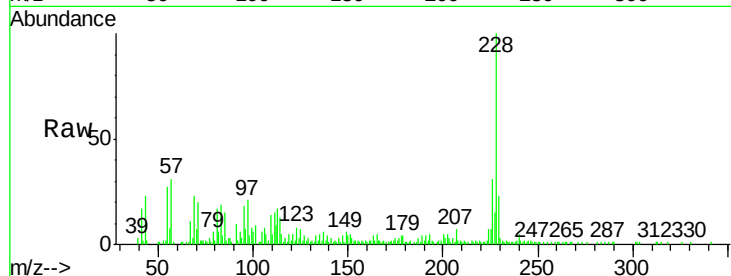
ClientSampleId :

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

Tot Ion:	228	Resp:	48775
Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	23.4	16.2	24.4

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:38 PM



#86

Perylene-d12

Concen: 20.000 ng

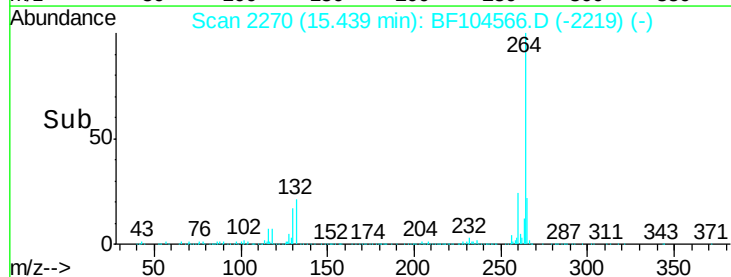
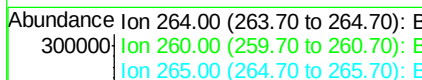
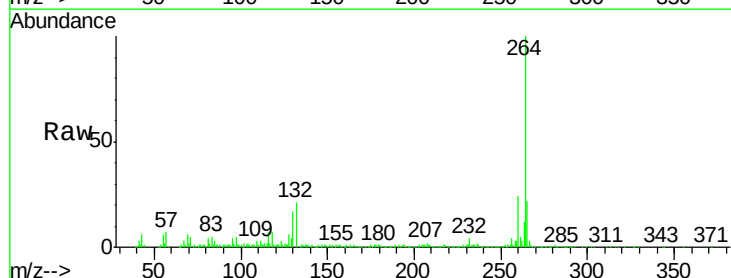
RT: 15.44 min Scan# 2270

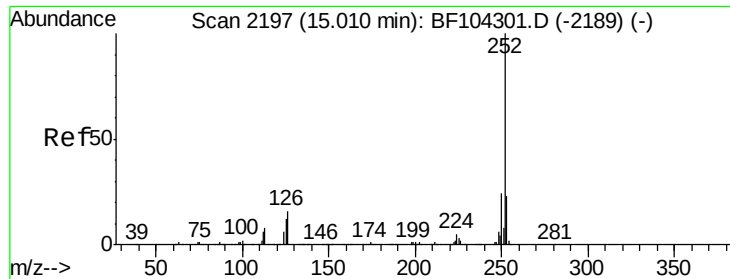
Delta R.T. -0.00 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Tgt Ion:	264	Resp:	275983
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.5	26.3





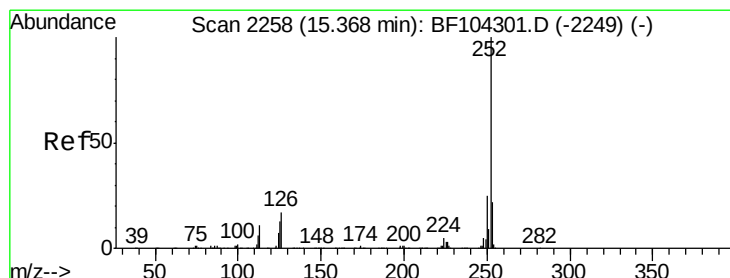
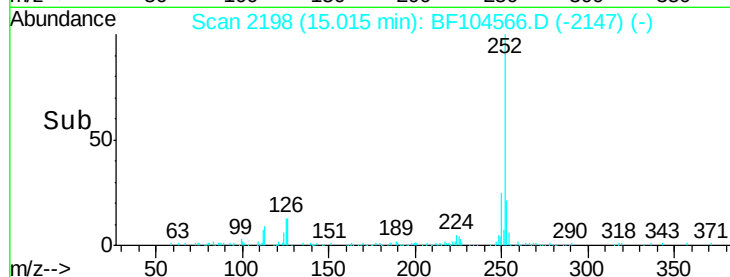
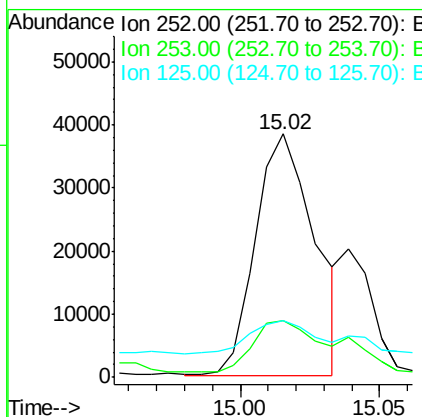
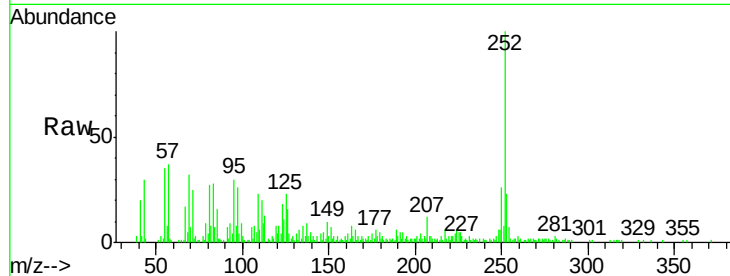
#87
Benzo(b)fluoranthene
Concen: 3.264 ng/mL
RT: 15.02 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	23.3	9.0	13.6

Manual Integrations
APPROVED

Sohil
4/18/2018 3:00:38 PM



#89
Benzo(a)pyrene
Concen: 2.429 ng/mL
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	24.1	9.8	14.6

