

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101666.D
 Acq On : 22 Dec 2017 21:02
 Operator : SJ/JU
 Sample : I7022-06 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 160

Manual Integrations
 APPROVED

Sohil
 12/26/2017 1:37:30 PM

Quant Time: Dec 22 23:56:25 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	143103	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	574022	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	248738	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	434882	20.00	ng	0.00
75) Chrysene-d12	13.96	240	315270	20.00	ng	0.00
86) Perylene-d12	15.43	264	293427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	108277	11.27	ng	0.01
7) Phenol-d6	6.44	99	136524	11.42	ng	0.00
23) Nitrobenzene-d5	7.36	82	85083	8.25	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	25627	10.69	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	140197	8.74	ng	0.00
78) Terphenyl-d14	12.89	244	110138	8.42	ng	-0.01
Target Compounds						
70) Phenanthrene	11.34	178	55590	2.299	ng	Qvalue 97
74) Fluoranthene	12.53	202	122071	4.809	ng	96
77) Pyrene	12.76	202	121030	5.115	ng	96
80) Benzo(a)anthracene	13.95	228	62394	2.997	ng	97
82) Chrysene	13.99	228	54081	2.751	ng	95
83) Bis(2-ethylhexyl)phthalate	13.92	149	27942	2.061	ng	97
87) Benzo(b)fluoranthene	15.00	252	62126m	3.474	ng	
89) Benzo(a)pyrene	15.37	252	46554	2.824	ng	# 95

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

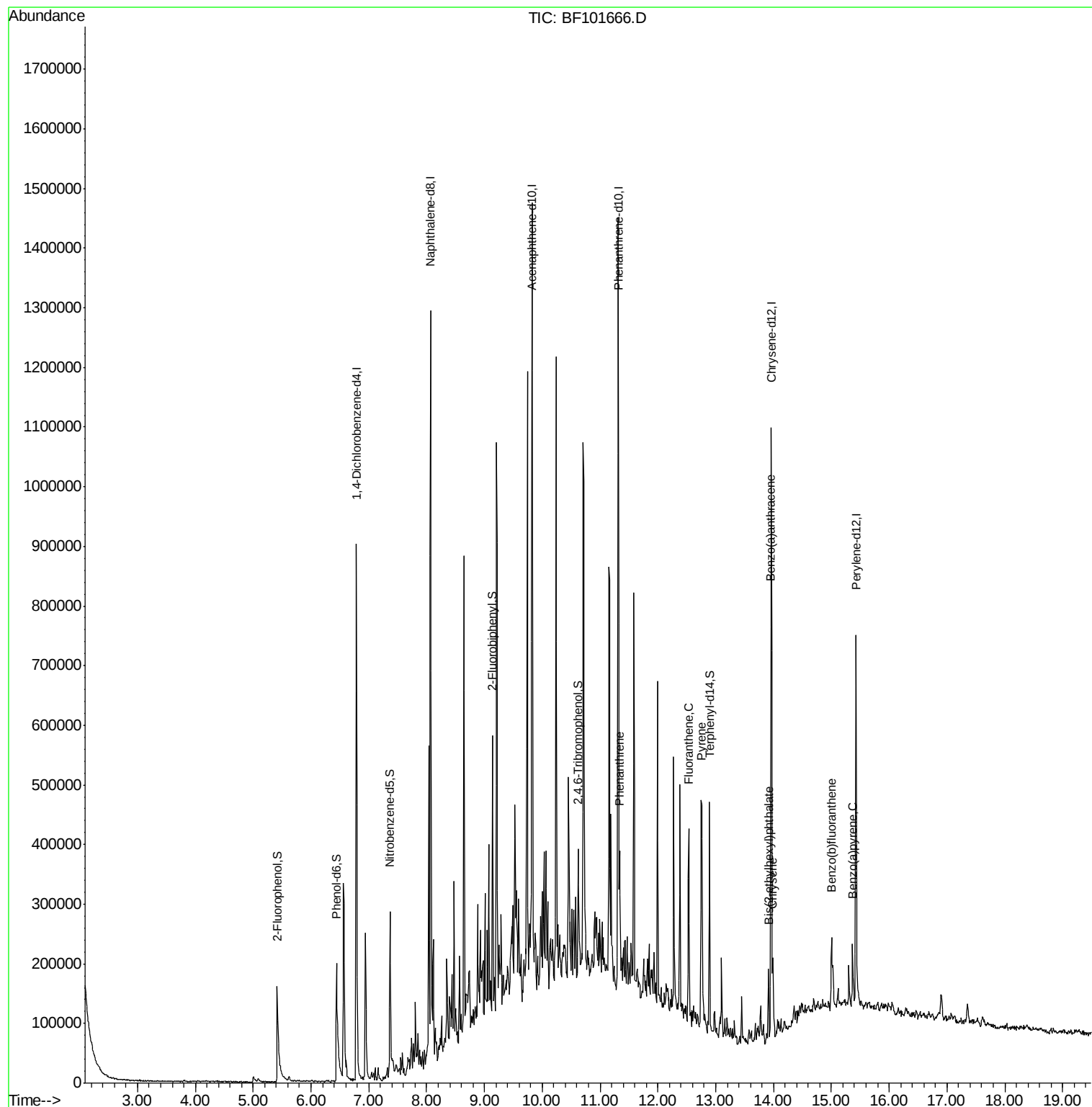
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101666.D
Acq On : 22 Dec 2017 21:02
Operator : SJ/JU
Sample : I7022-06 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

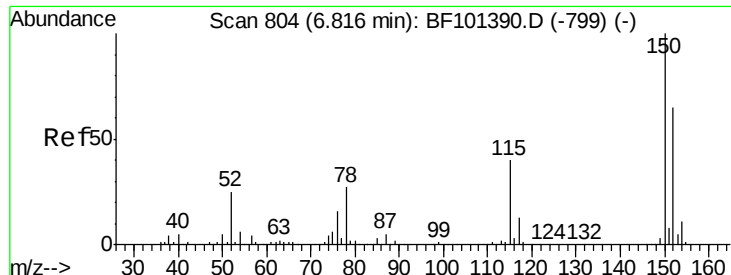
Instrument :
BNA_F
ClientSampled :
160

Manual Integrations
APPROVED

Sohil
12/26/2017 1:37:30 PM

Quant Time: Dec 22 23:56:25 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 16:07:58 2017
Response via : Initial Calibration





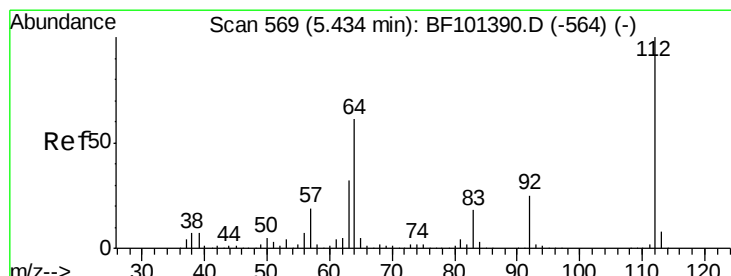
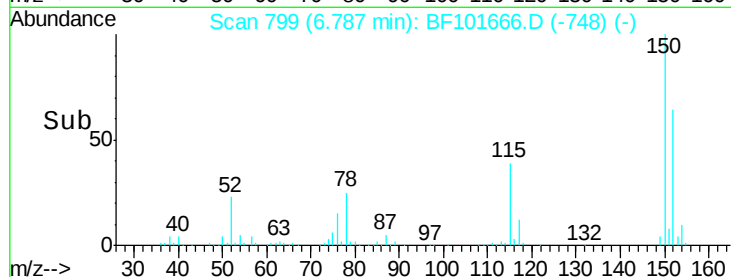
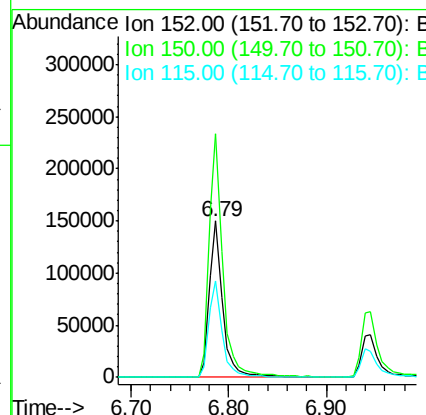
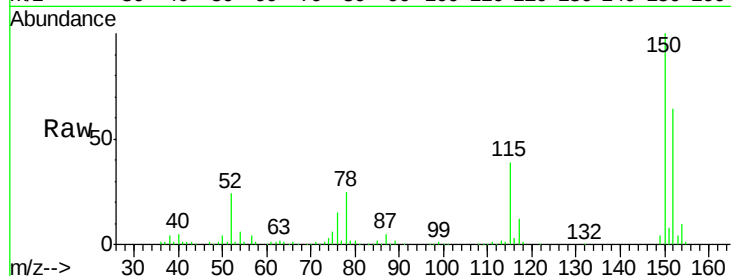
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF101666.D
 Acq: 22 Dec 2017 21:02

Instrument :
 BNA_F
 ClientSampleId :
 160

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	61.5	50.1	75.1

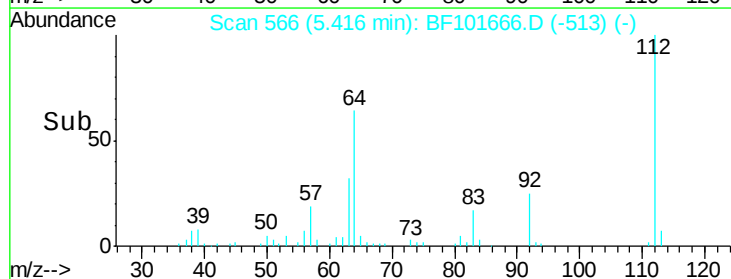
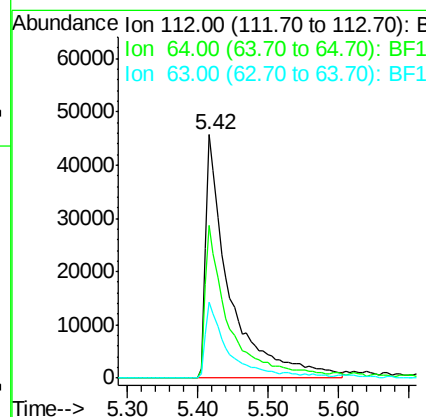
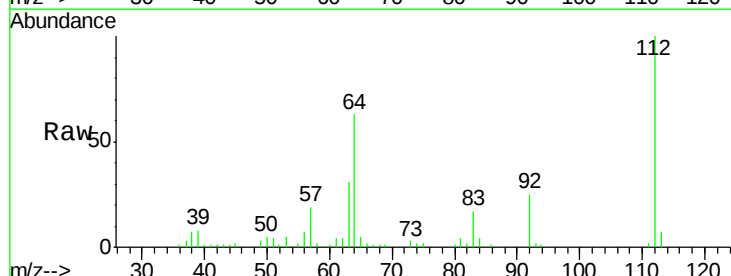
Manual Integrations
 APPROVED

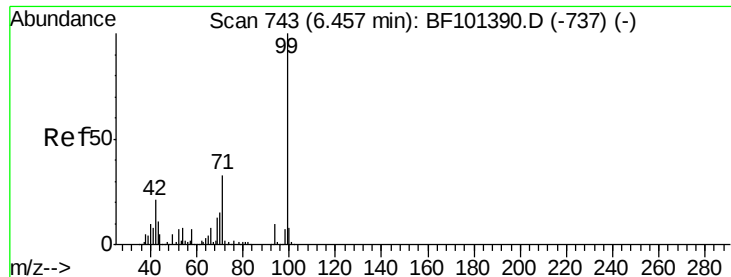
Sohil
 12/26/2017 1:37:30 PM



#5
 2-Fluorophenol
 Concen: 11.271 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF101666.D
 Acq: 22 Dec 2017 21:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 11.419 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101666.D

Acq: 22 Dec 2017 21:02

Instrument :

BNA_F

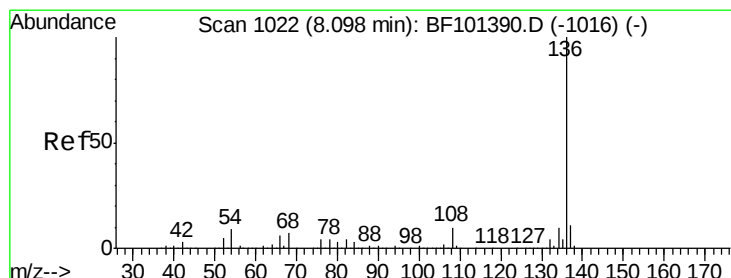
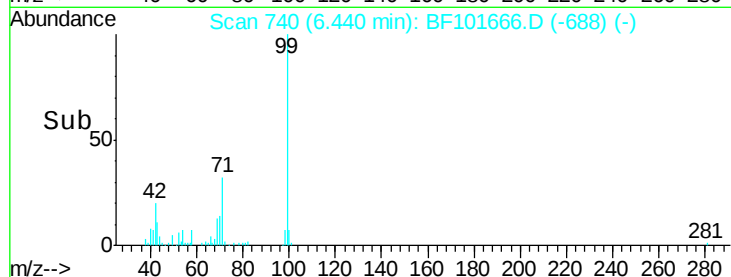
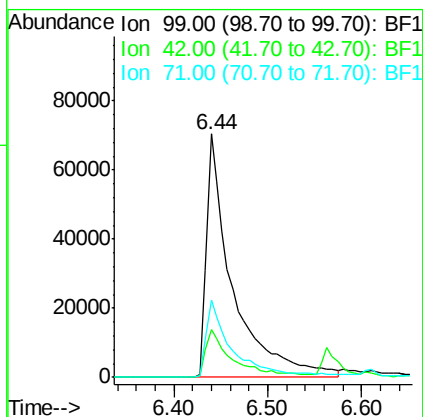
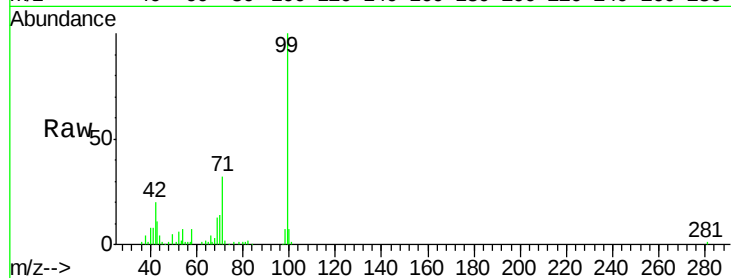
ClientSampled :

160

Tgt Ion:	99	Resp:	136524
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	31.9	25.4	38.0

Manual Integrations
APPROVED

Sohil
12/26/2017 1:37:30 PM



#21

Naphthalene-d8

Concen: 20.000 ng

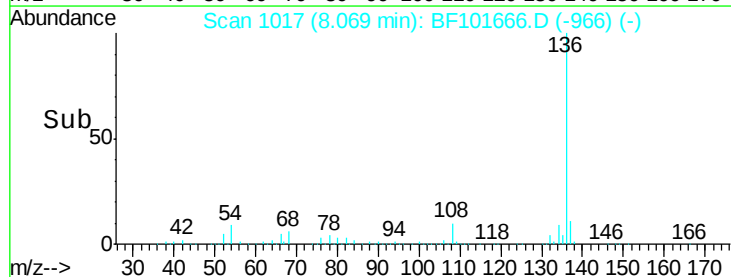
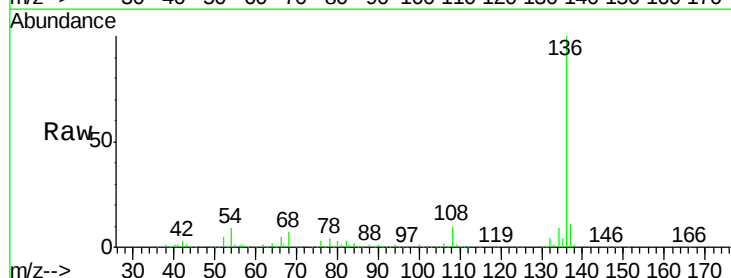
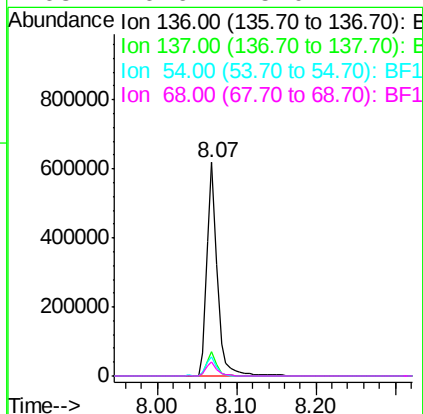
RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF101666.D

Acq: 22 Dec 2017 21:02

Tgt Ion:	136	Resp:	574022
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.0	6.6	9.8
68	6.6	5.0	7.4





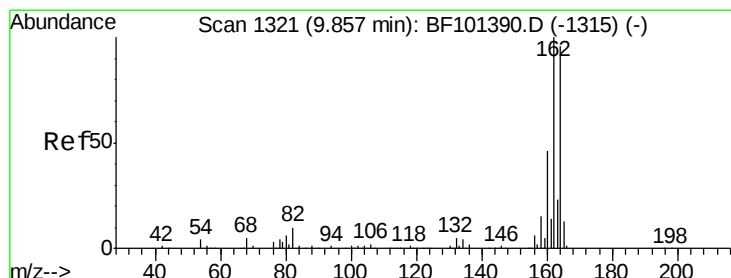
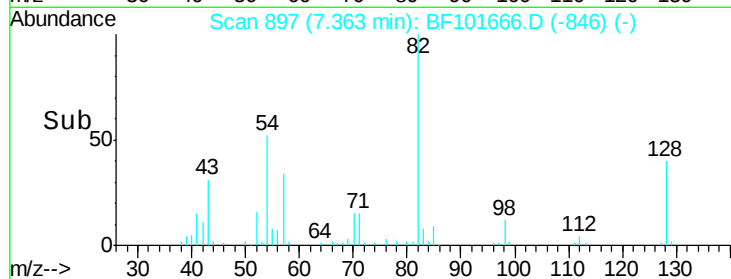
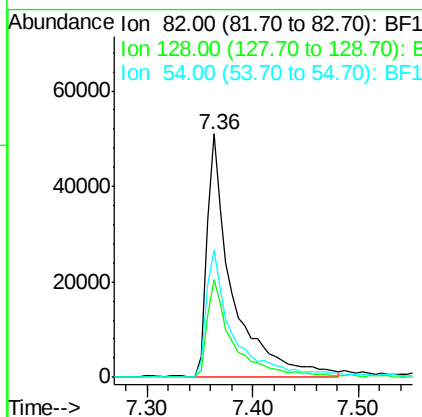
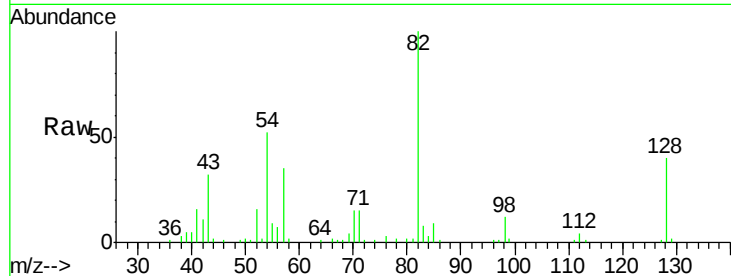
#23
Nitrobenzene-d5
Concen: 8.251 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF101666.D
Acq: 22 Dec 2017 21:02

Instrument :
BNA_F
ClientSampled :
160

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.3	36.1	54.1
54	52.1	41.4	62.2

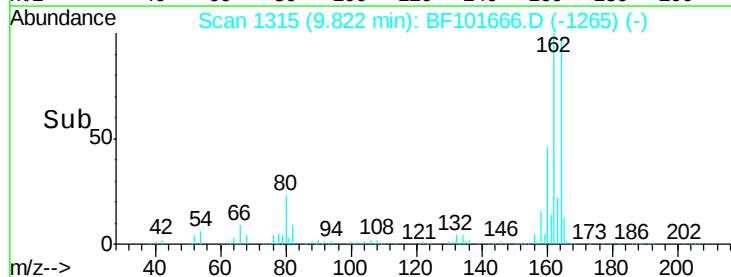
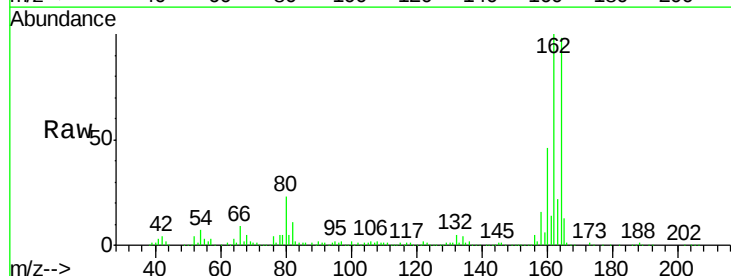
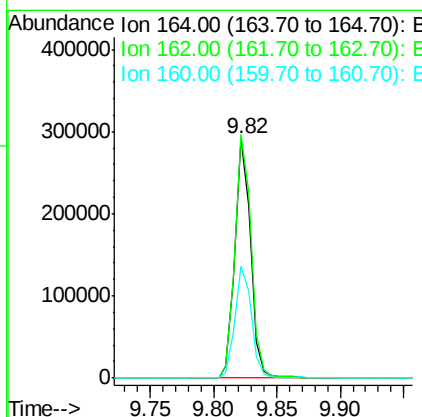
Manual Integrations
APPROVED

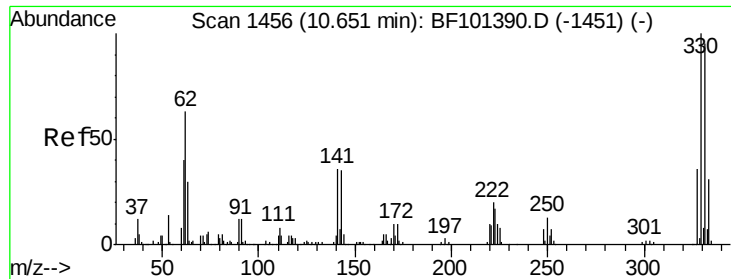
Sohil
12/26/2017 1:37:30 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101666.D
Acq: 22 Dec 2017 21:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	46.9	38.3	57.5





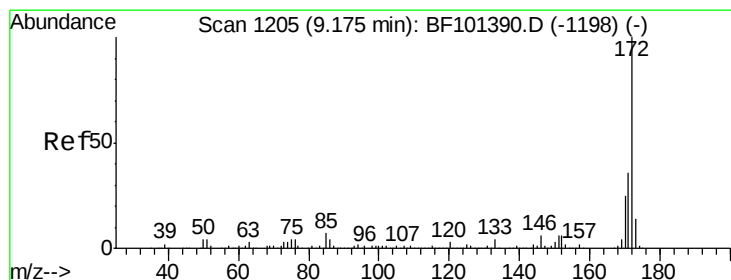
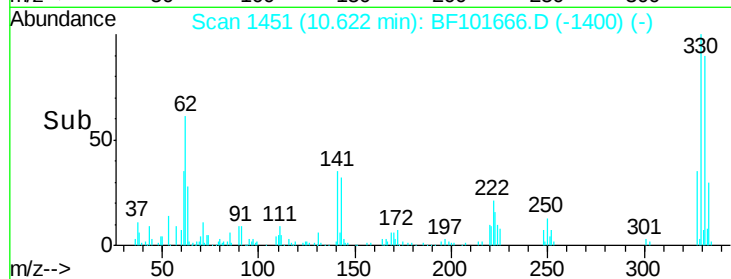
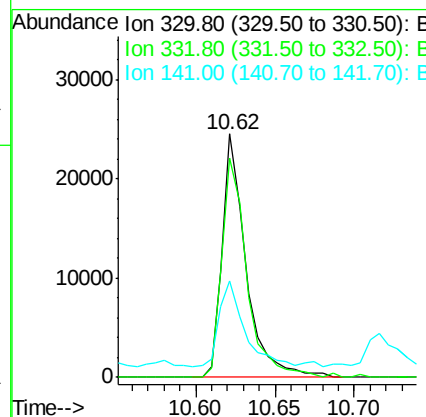
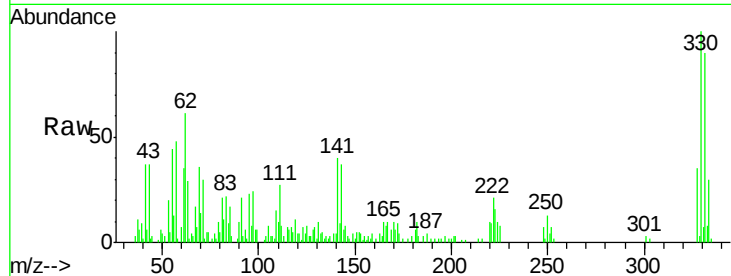
#41
 2,4,6-Tribromophenol
 Concen: 10.692 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101666.D
 Acq: 22 Dec 2017 21:02

Instrument :
 BNA_F
 ClientSampled :
 160

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	37.5	29.9	44.9

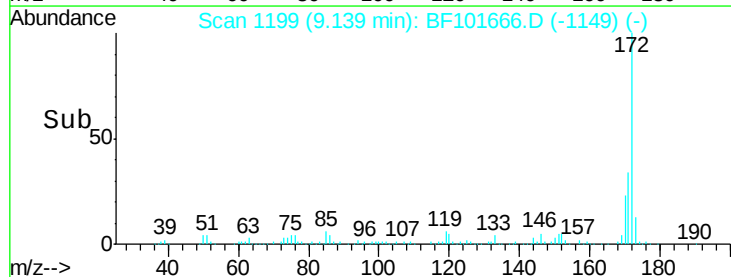
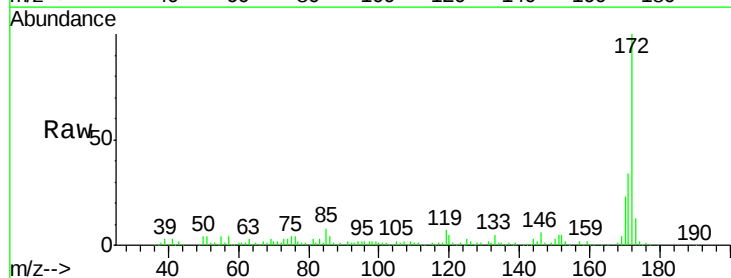
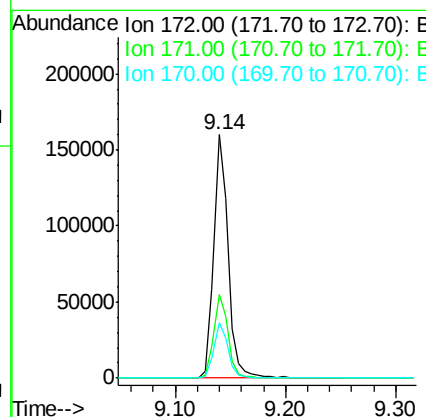
Manual Integrations
 APPROVED

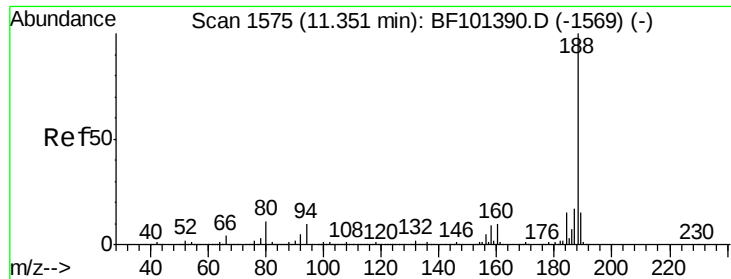
Sohil
 12/26/2017 1:37:30 PM



#44
 2-Fluorobiphenyl
 Concen: 8.743 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101666.D
 Acq: 22 Dec 2017 21:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	22.6	19.6	29.4





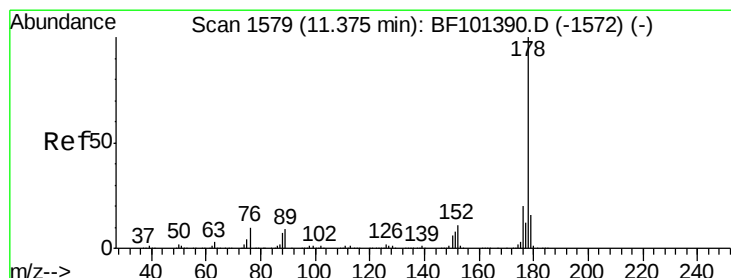
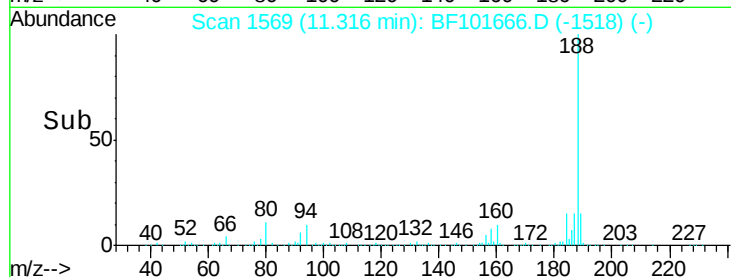
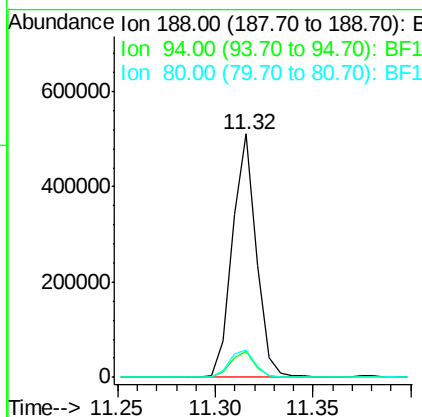
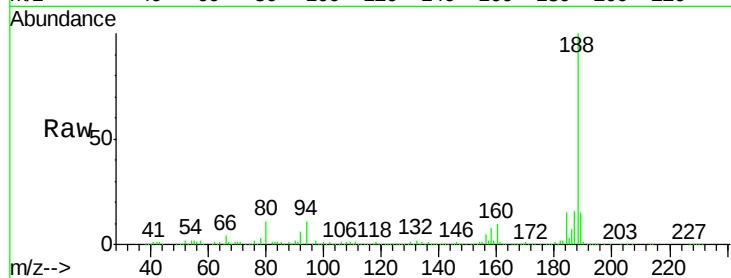
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101666.D
Acq: 22 Dec 2017 21:02

Instrument :
BNA_F
ClientSampleId :
160

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	434882		
94	10.6		8.5	12.7
80	11.5		9.2	13.8

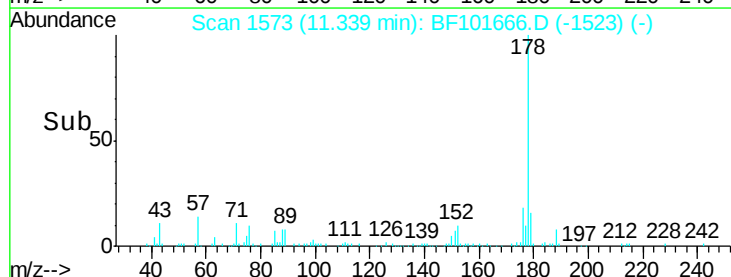
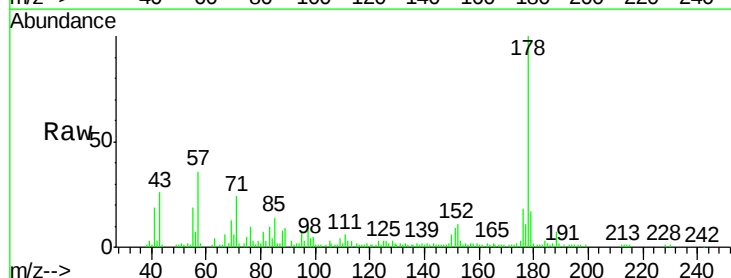
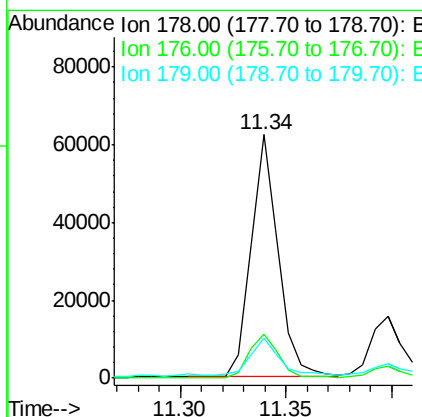
Manual Integrations
APPROVED

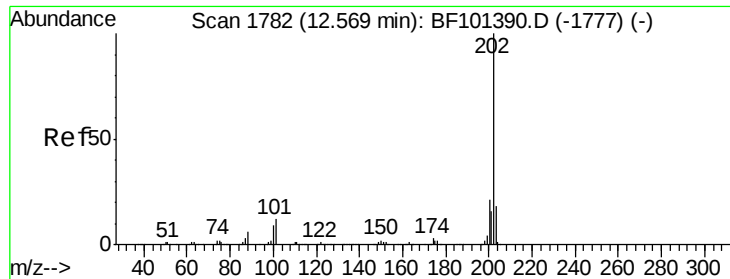
Sohil
12/26/2017 1:37:30 PM



#70
Phenanthrene
Concen: 2.299 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101666.D
Acq: 22 Dec 2017 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	55590		
176	17.9		15.8	23.8
179	16.7		13.0	19.6





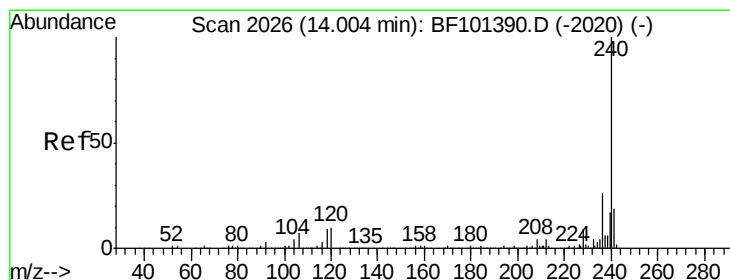
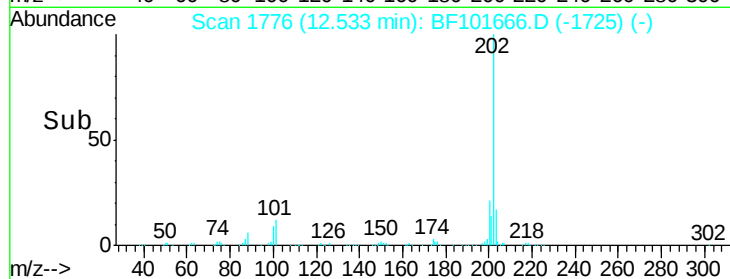
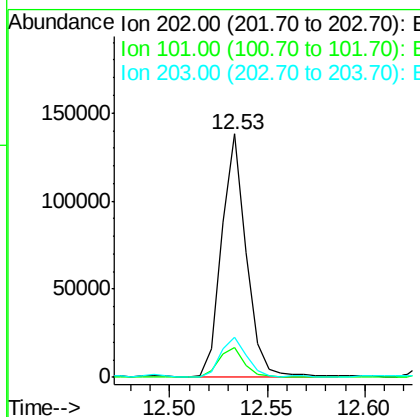
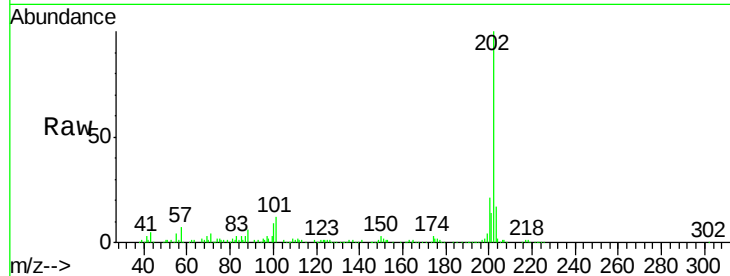
#74
 Fluoranthene
 Concen: 4.809 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: BF101666.D
 Acq: 22 Dec 2017 21:02

Instrument :
 BNA_F
 ClientSampleId :
 160

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.1	0.0	34.1
203	16.5	0.0	38.1

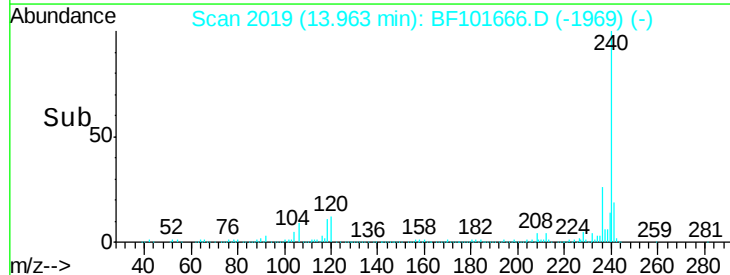
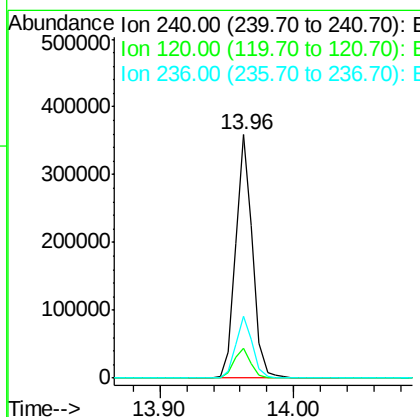
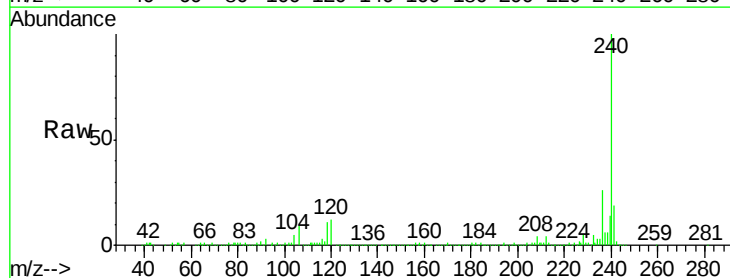
Manual Integrations
 APPROVED

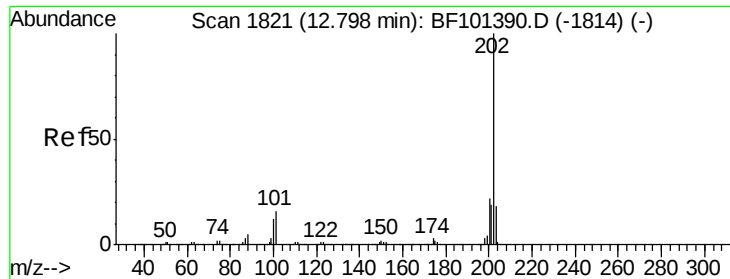
Sohil
 12/26/2017 1:37:30 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF101666.D
 Acq: 22 Dec 2017 21:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.1	9.5	14.3
236	25.6	20.7	31.1





#77

Pyrene

Concen: 5.115 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF101666.D

Acq: 22 Dec 2017 21:02

Instrument :

BNA_F

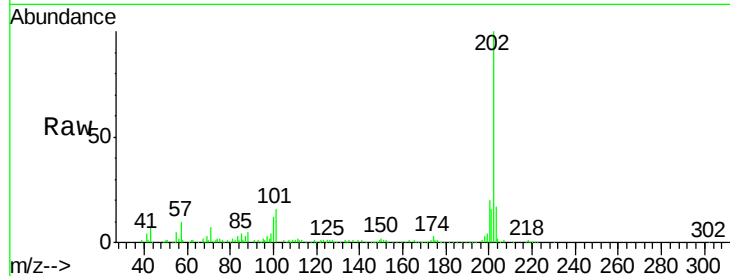
ClientSampleId :

160

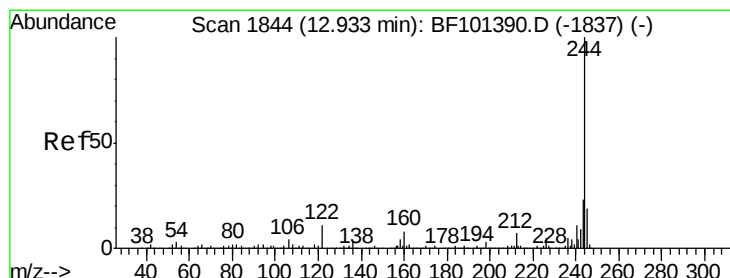
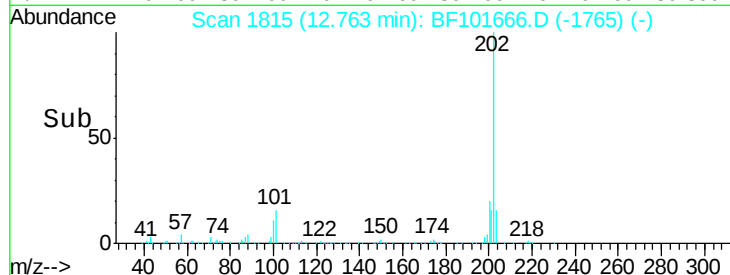
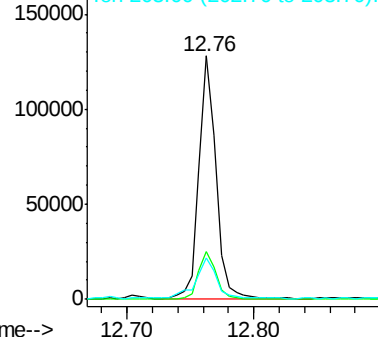
Tgt Ion:	202	Resp:	121030
Ion Ratio		Lower	Upper
202	100		
200	19.6	17.4	26.2
203	16.8	14.3	21.5

Manual Integrations
APPROVED

Sohil
12/26/2017 1:37:30 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 8.422 ng

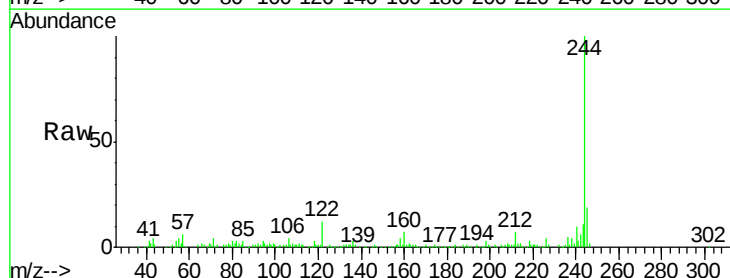
RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

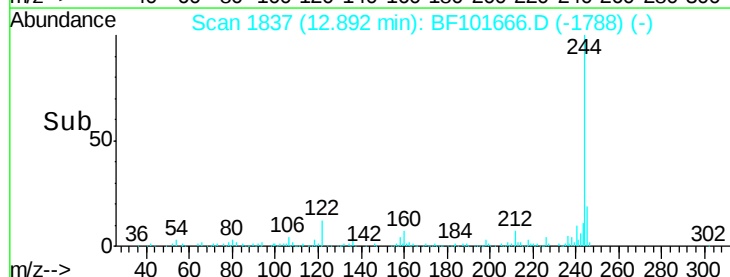
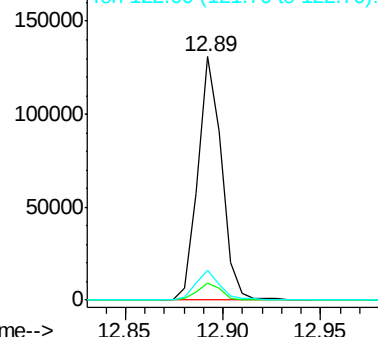
Lab File: BF101666.D

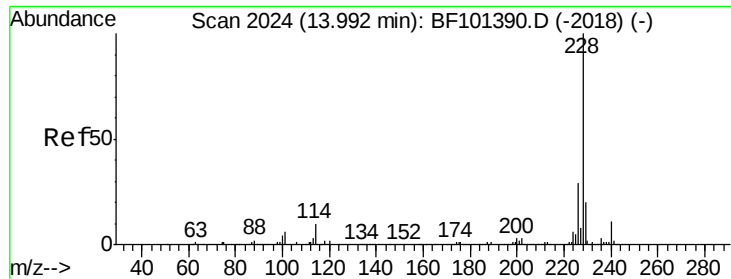
Acq: 22 Dec 2017 21:02

Tgt Ion:	244	Resp:	110138
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.3	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





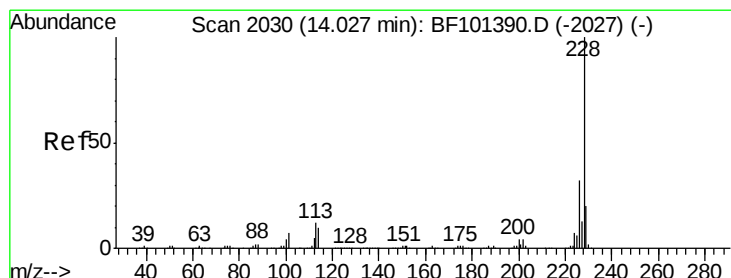
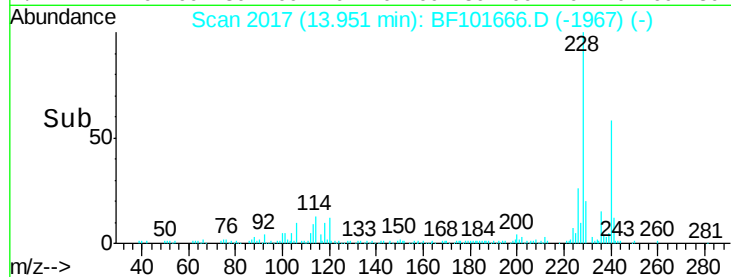
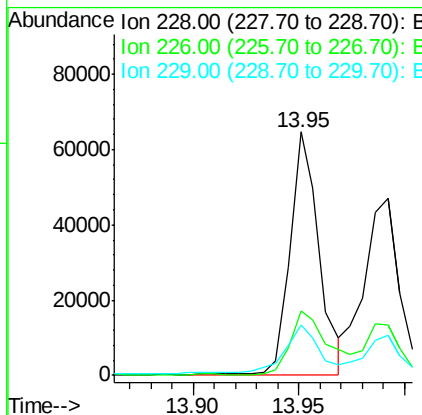
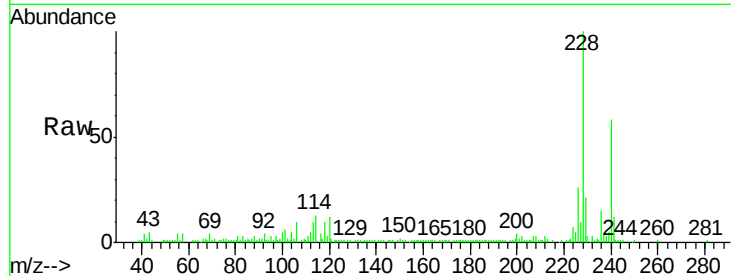
#80
Benzo(a)anthracene
Concen: 2.997 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF101666.D
Acq: 22 Dec 2017 21:02

Instrument :
BNA_F
ClientSampleId :
160

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.6	33.8
229	20.7	15.8	23.6

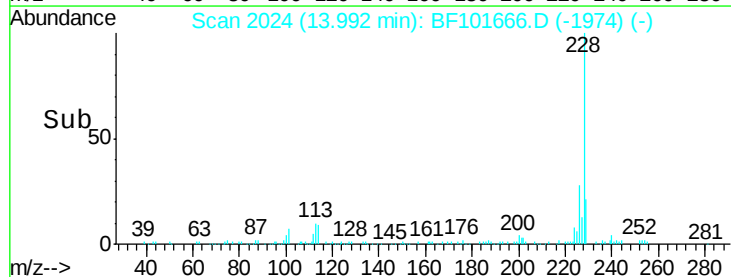
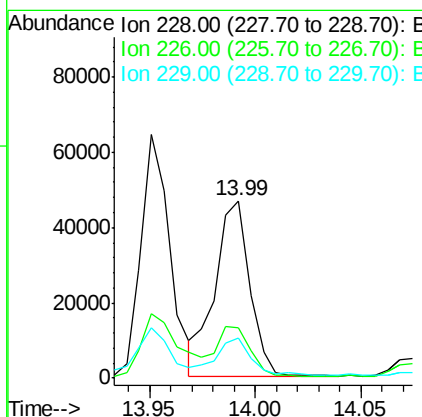
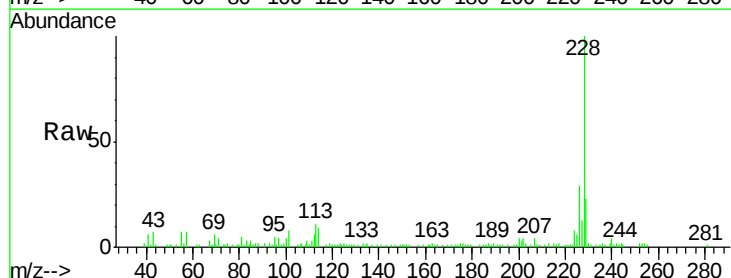
Manual Integrations
APPROVED

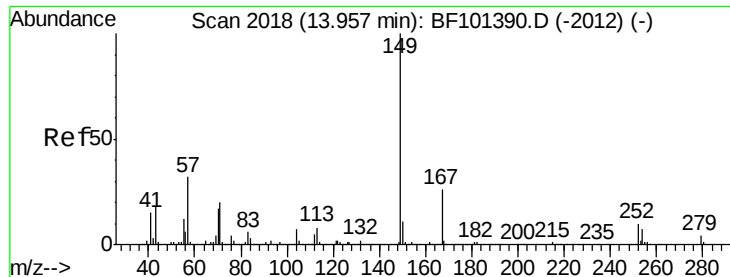
Sohil
12/26/2017 1:37:30 PM



#82
Chrysene
Concen: 2.751 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101666.D
Acq: 22 Dec 2017 21:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.0	37.6
229	22.5	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.061 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF101666.D

Acq: 22 Dec 2017 21:02

Instrument :

BNA_F

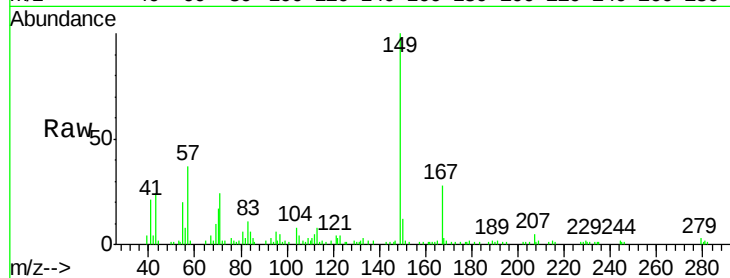
ClientSampleId :

160

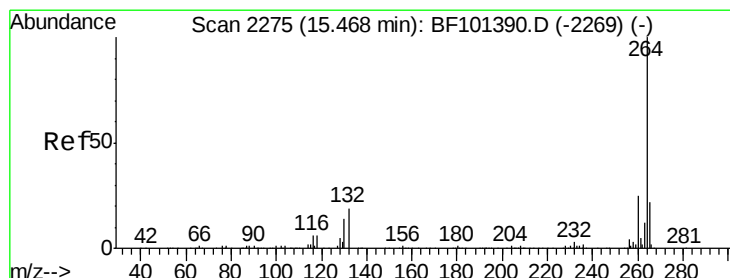
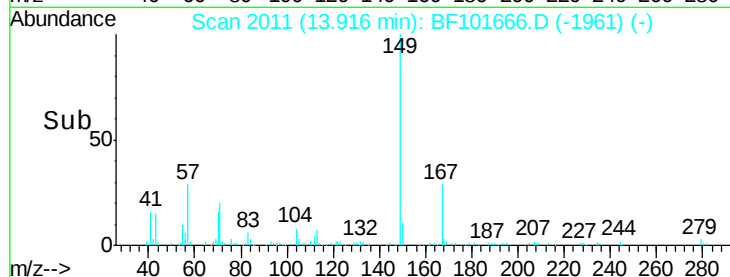
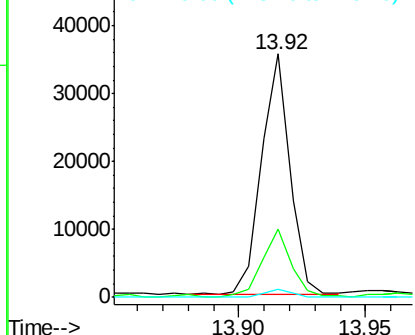
Tgt Ion:	149	Resp:	27942
Ion Ratio	Lower	Upper	
149	100		
167	28.2	21.3	31.9
279	3.2	3.0	4.4

Manual Integrations
APPROVED

Sohil
12/26/2017 1:37:30 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

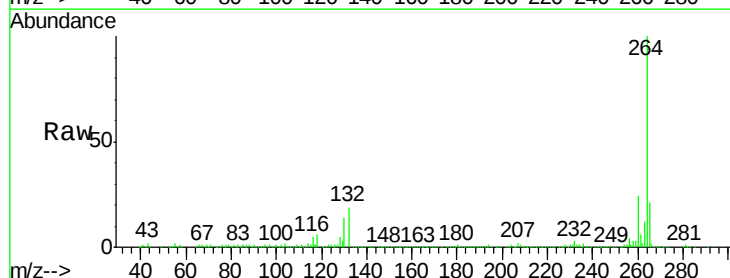
RT: 15.43 min Scan# 2268

Delta R.T. 0.00 min

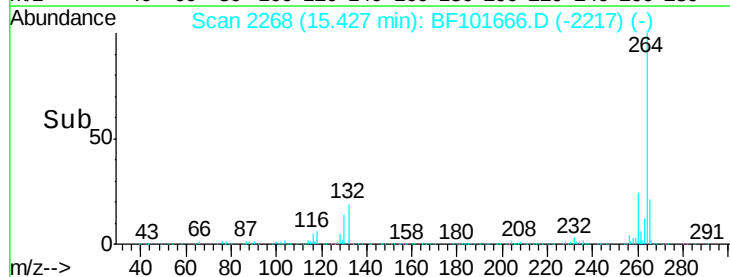
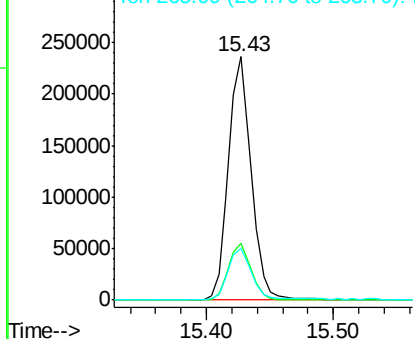
Lab File: BF101666.D

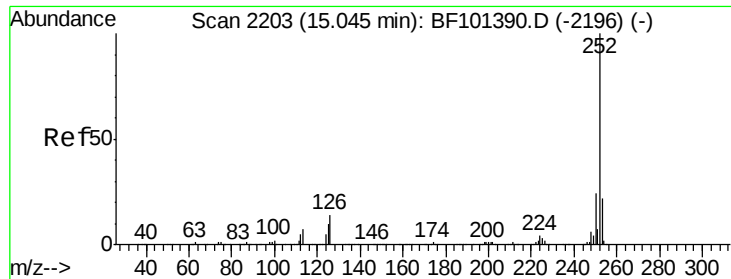
Acq: 22 Dec 2017 21:02

Tgt Ion:	264	Resp:	293427
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	21.4	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





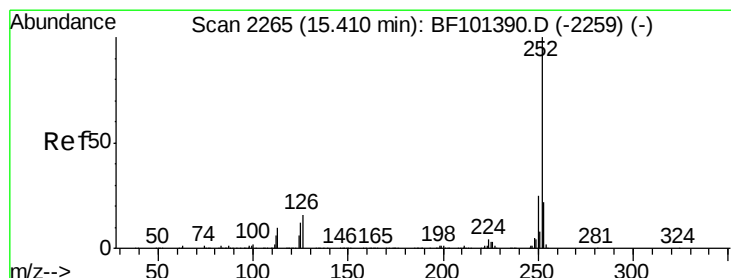
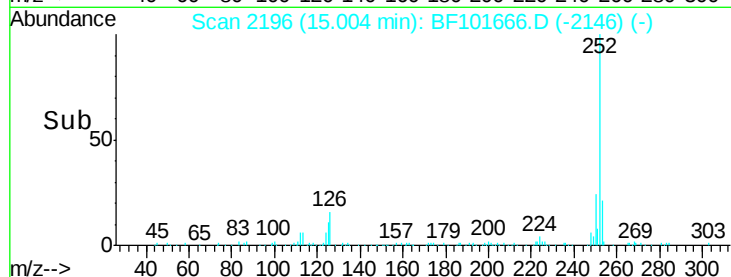
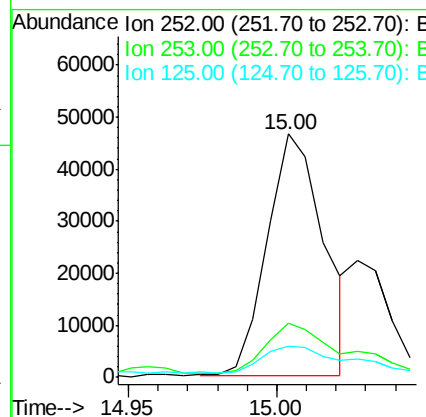
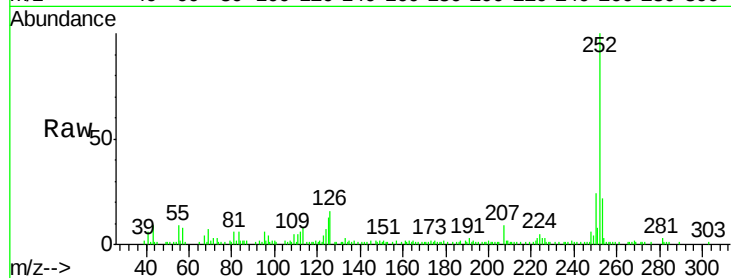
#87
Benzo(b)fluoranthene
Concen: 3.474 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF101666.D
Acq: 22 Dec 2017 21:02

Instrument :
BNA_F
ClientSampleId :
160

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	12.7	9.0	13.6

Manual Integrations
APPROVED

Sohil
12/26/2017 1:37:30 PM



#89
Benzo(a)pyrene
Concen: 2.824 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF101666.D
Acq: 22 Dec 2017 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	14.7	9.8	14.6#

