

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021618\
 Data File : BF103045.D
 Acq On : 16 Feb 2018 12:05
 Operator : SJ/JU
 Sample : J1540-03 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-SW@3

Manual Integrations
 APPROVED

Sohil
 2/19/2018 11:11:23 AM

Quant Time: Feb 16 14:41:11 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	197741	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	825703	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	363097	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	546629	20.00	ng	0.00
75) Chrysene-d12	14.05	240	298454	20.00	ng	0.00
86) Perylene-d12	15.56	264	304637	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	588251	45.18	ng	0.00
7) Phenol-d6	6.50	99	718946	45.86	ng	0.00
23) Nitrobenzene-d5	7.43	82	446003	37.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	131641	45.04	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	713222	32.59	ng	-0.01
78) Terphenyl-d14	12.99	244	453037	35.94	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	66212	2.339	ng	100
70) Phenanthrene	11.43	178	228964	7.521	ng	99
74) Fluoranthene	12.62	202	391576	12.784	ng	100
77) Pyrene	12.85	202	377147	16.115	ng	99
80) Benzo(a)anthracene	14.04	228	181581	9.674	ng	95
82) Chrysene	14.08	228	194650	10.287	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	179745	11.454	ng	95
87) Benzo(b)fluoranthene	15.11	252	276619m	14.006	ng	
88) Benzo(k)fluoranthene	15.13	252	104707m	5.548	ng	
89) Benzo(a)pyrene	15.49	252	187744	10.560	ng	# 82
90) Dibenzo(a,h)anthracene	17.07	278	42991	2.979	ng	# 68
91) Benzo(g,h,i)perylene	17.53	276	203562	14.413	ng	96

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

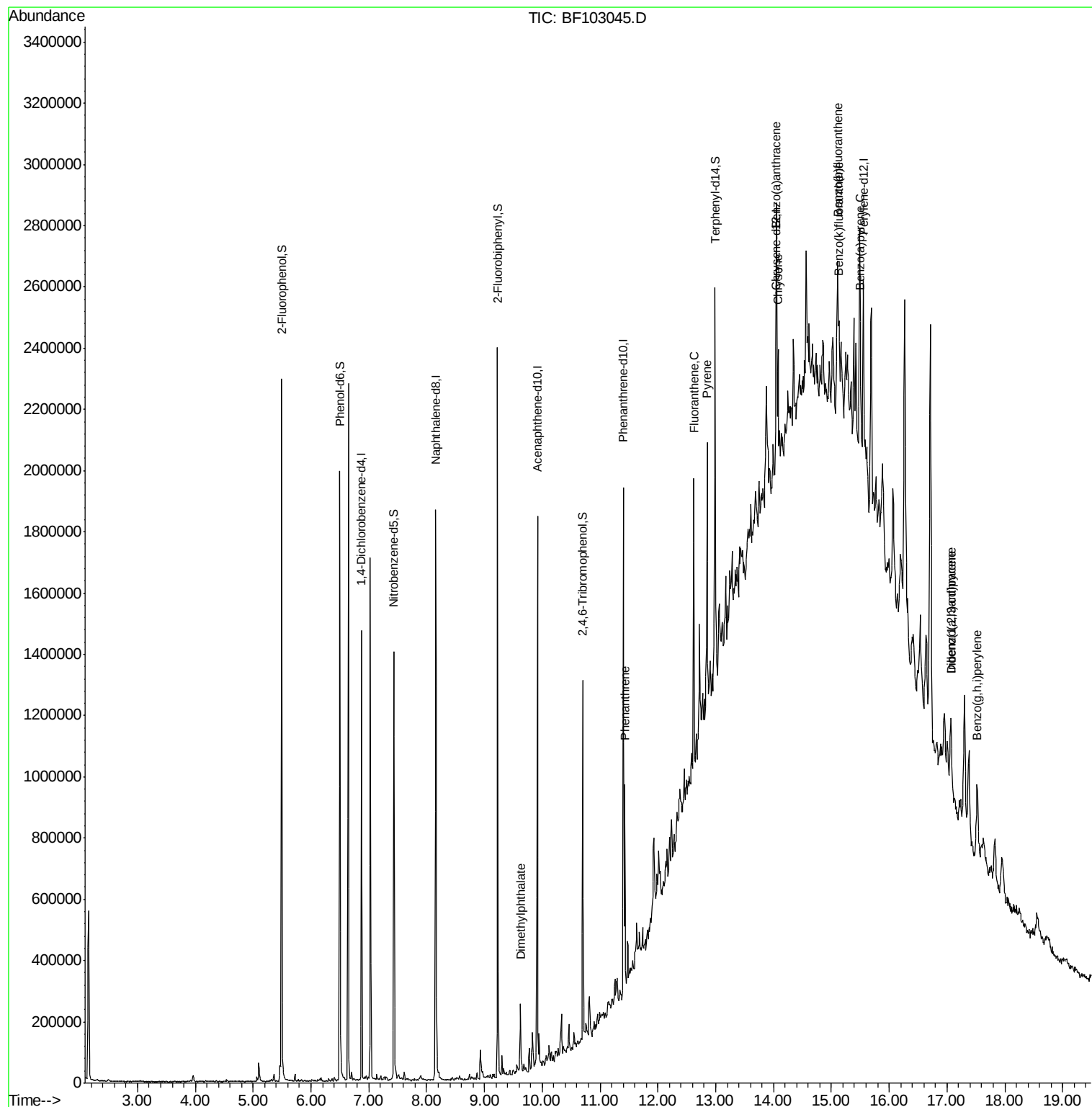
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021618\
Data File : BF103045.D
Acq On : 16 Feb 2018 12:05
Operator : SJ/JU
Sample : J1540-03 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

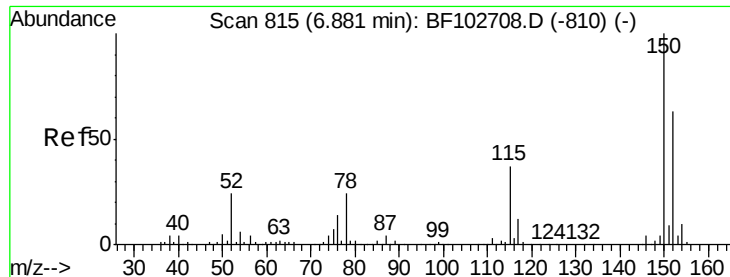
Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-SW@3

Manual Integrations
APPROVED

Sohil
2/19/2018 11:11:23 AM

Quant Time: Feb 16 14:41:11 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 16 14:34:49 2018
Response via : Initial Calibration





#1

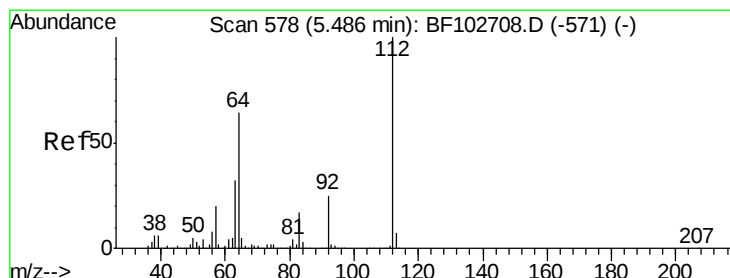
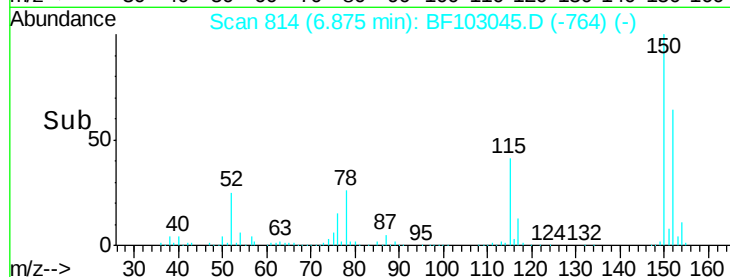
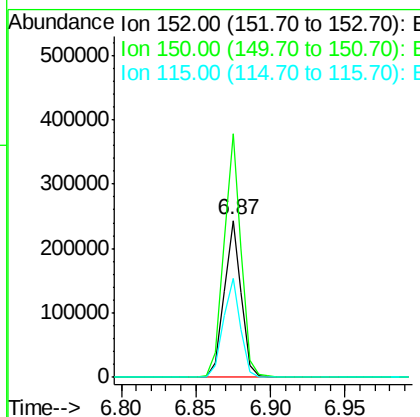
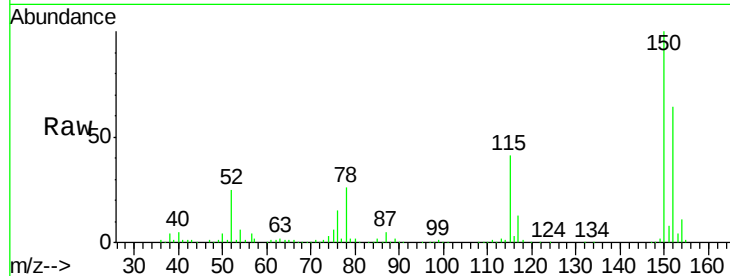
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-SW@3

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	63.5	50.1	75.1

Manual Integrations
APPROVED

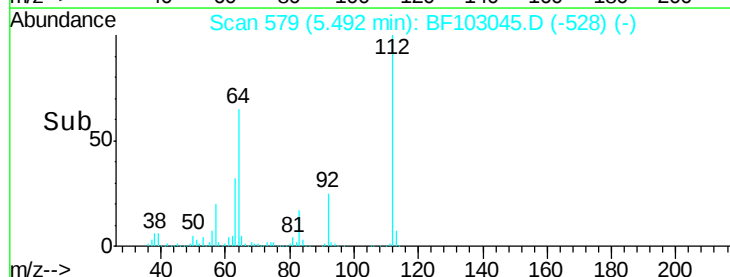
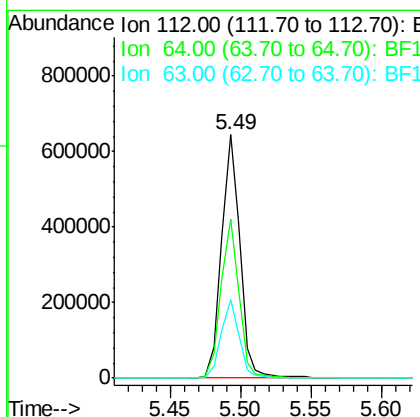
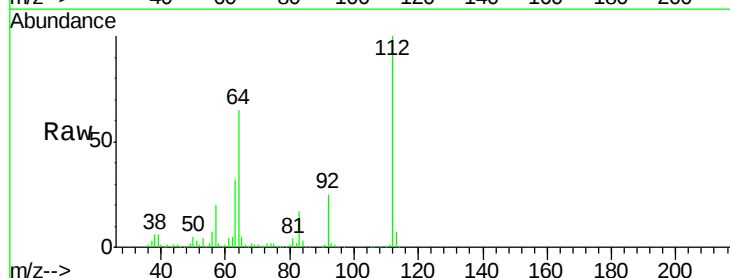
Sohil
2/19/2018 11:11:23 AM



#5

2-Fluorophenol
Concen: 45.178 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	32.5	23.7	35.5





#7

Phenol-d6

Concen: 45.858 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103045.D

Acq: 16 Feb 2018 12:05

Instrument :

BNA_F

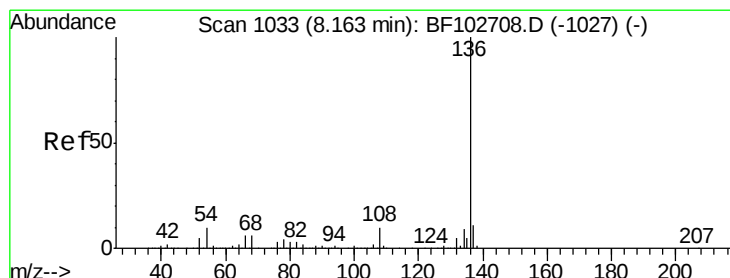
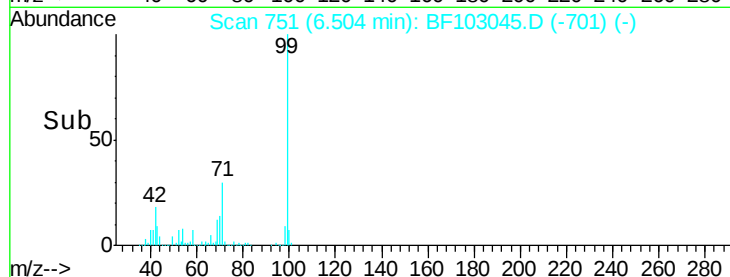
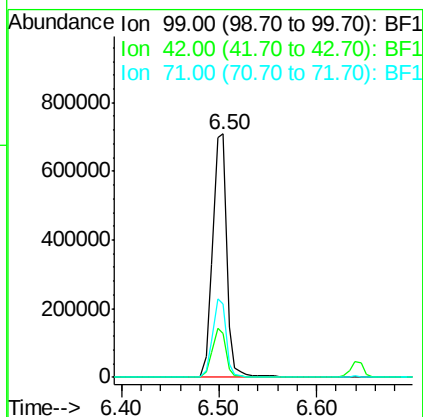
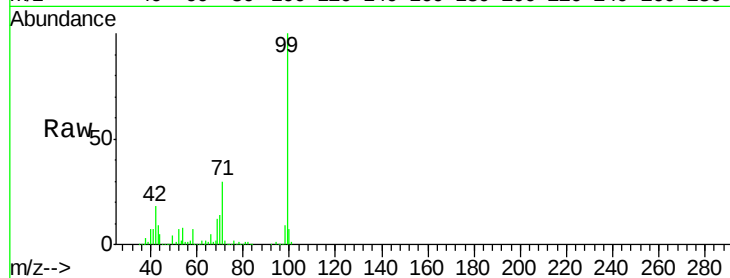
ClientSampleId :

CB-3-LINE-SW@3

Tgt Ion:	99	Resp:	718946
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.5	21.7
71	30.2	25.4	38.0

Manual Integrations
APPROVED

Sohil
2/19/2018 11:11:23 AM



#21

Naphthalene-d8

Concen: 20.000 ng

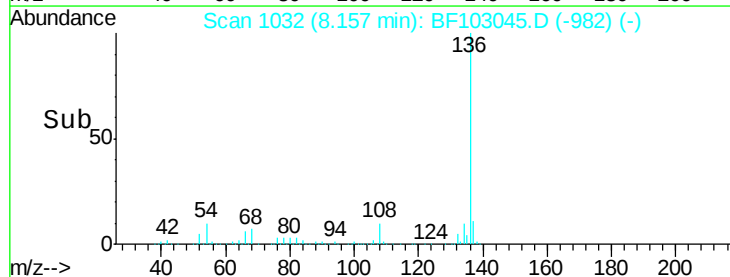
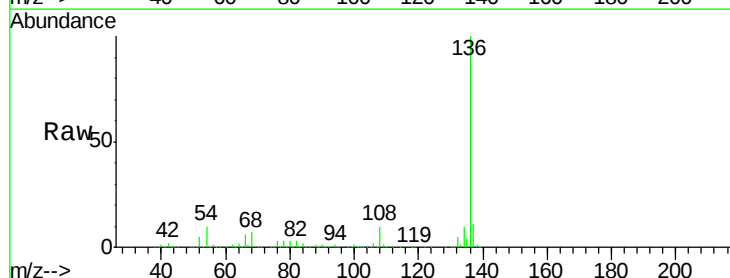
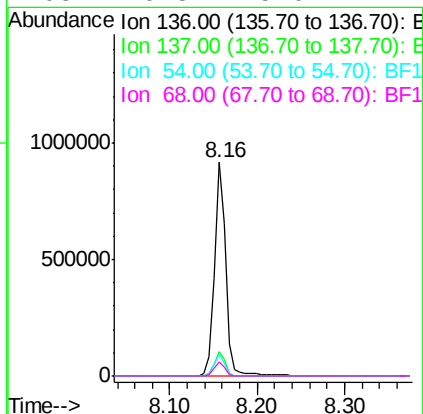
RT: 8.16 min Scan# 1032

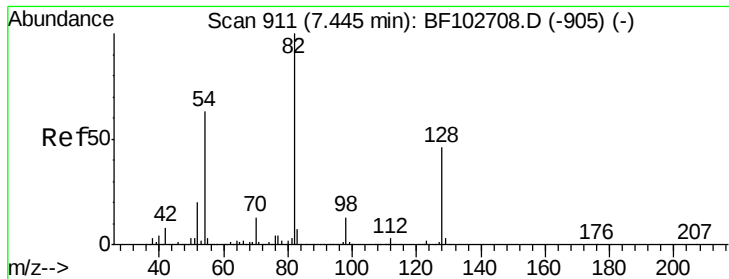
Delta R.T. -0.01 min

Lab File: BF103045.D

Acq: 16 Feb 2018 12:05

Tgt Ion:	136	Resp:	825703
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	10.0	6.6	9.8#
68	6.8	5.0	7.4





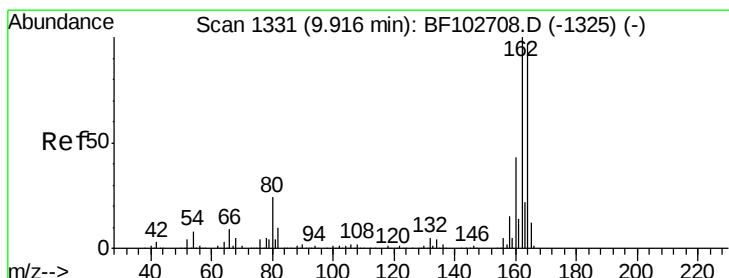
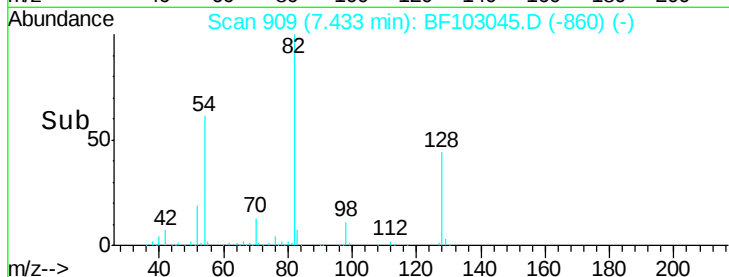
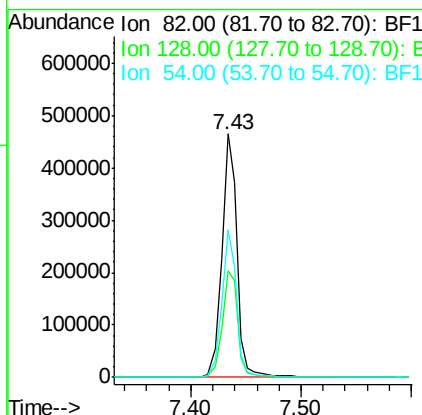
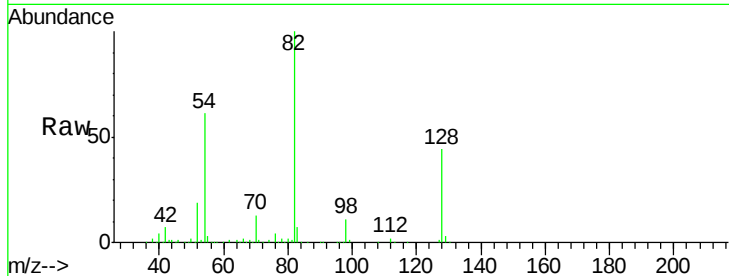
#23
 Nitrobenzene-d5
 Concen: 37.470 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103045.D
 Acq: 16 Feb 2018 12:05

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-SW@3

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	60.8	41.4	62.2

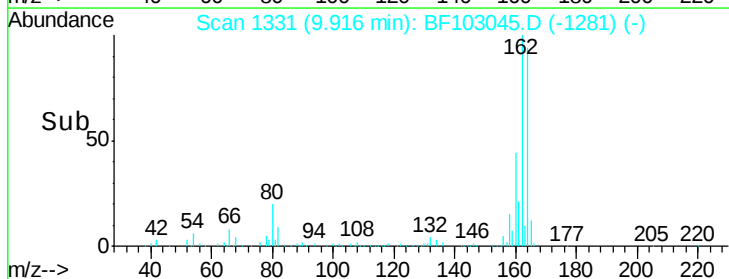
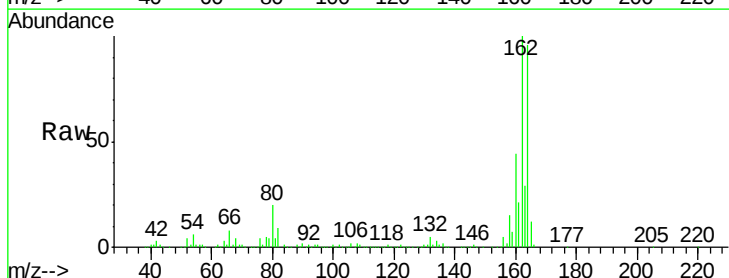
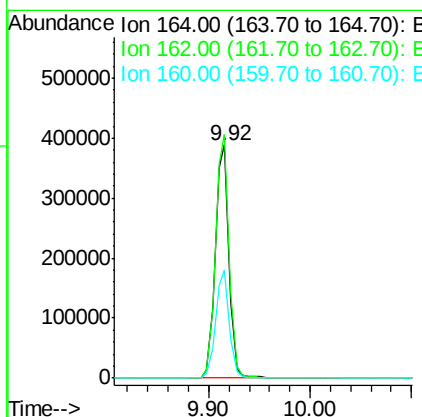
Manual Integrations
 APPROVED

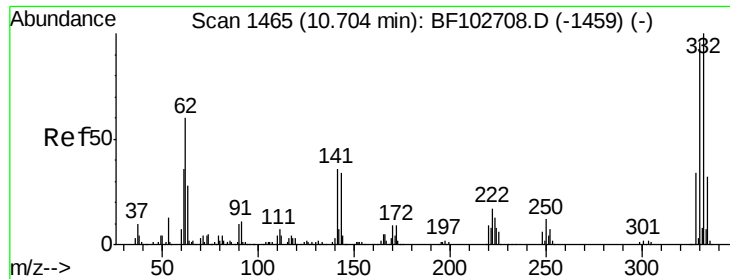
Sohil
 2/19/2018 11:11:23 AM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103045.D
 Acq: 16 Feb 2018 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	46.4	38.3	57.5





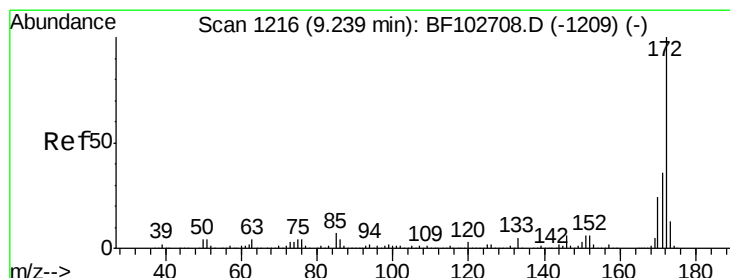
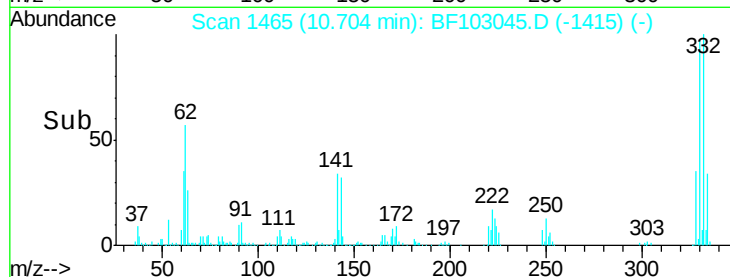
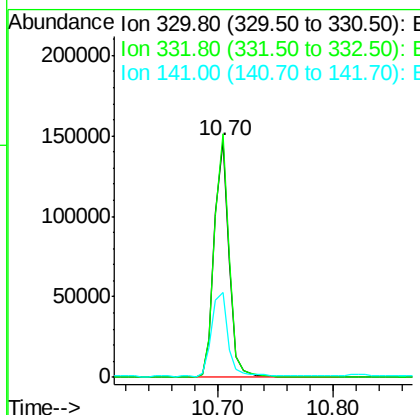
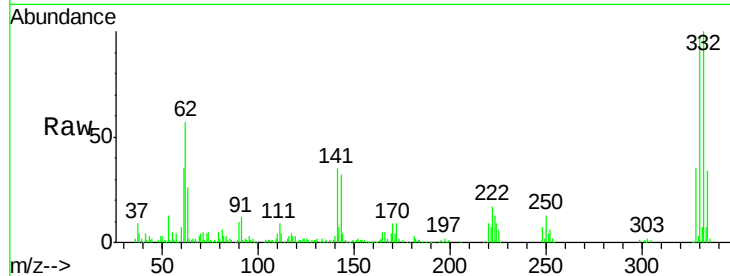
#41
 2,4,6-Tribromophenol
 Concen: 45.044 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103045.D
 Acq: 16 Feb 2018 12:05

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-SW@3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	131641		
332	101.3	77.0	115.6	
141	39.1	29.9	44.9	

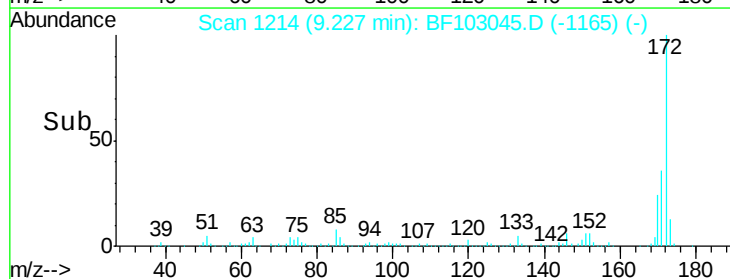
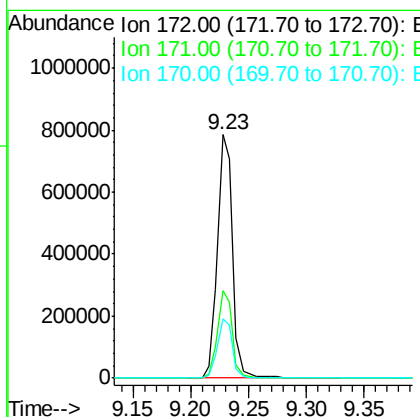
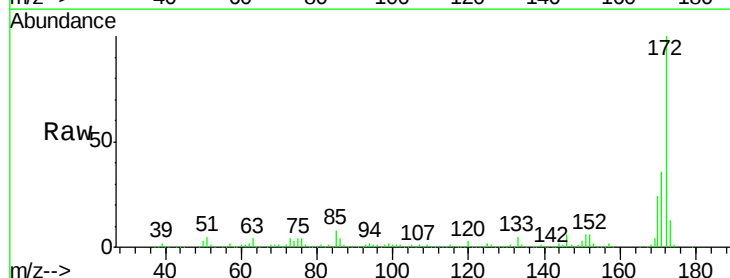
Manual Integrations
 APPROVED

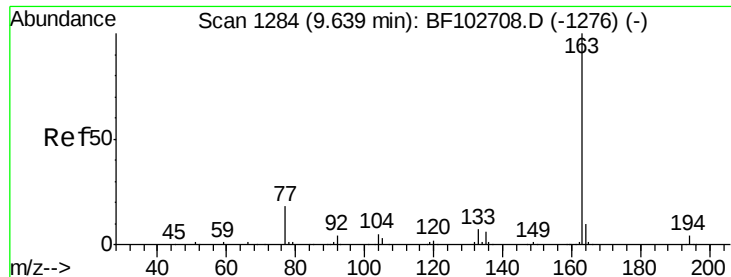
Sohil
 2/19/2018 11:11:23 AM



#44
 2-Fluorobiphenyl
 Concen: 32.594 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103045.D
 Acq: 16 Feb 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	713222		
171	35.8	29.7	44.5	
170	24.4	19.6	29.4	





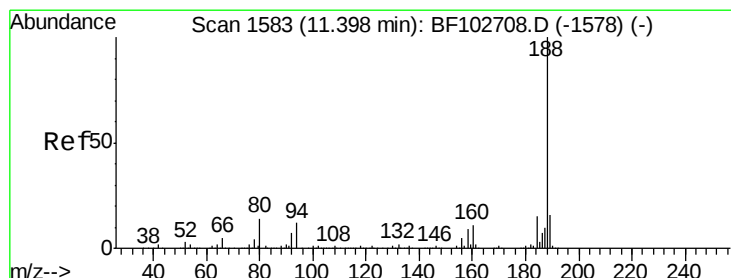
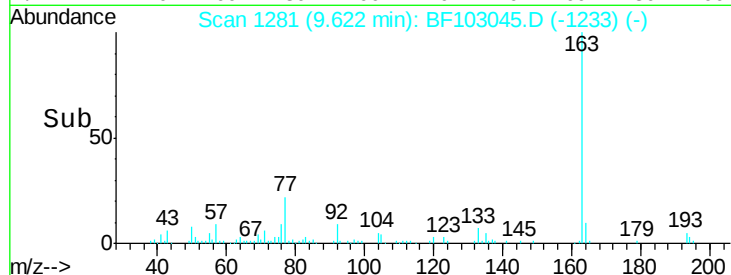
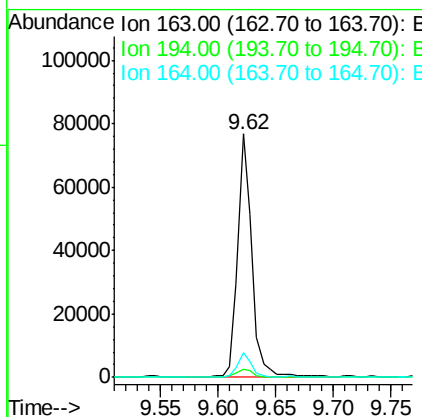
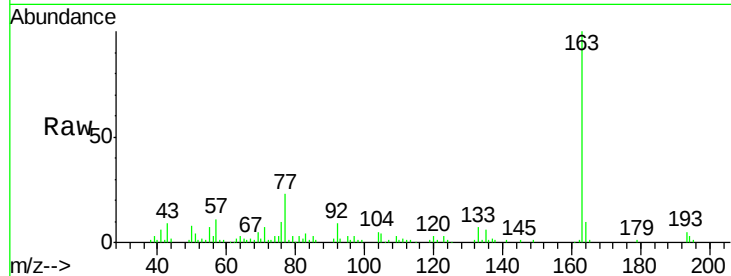
#49
Dimethylphthalate
Concen: 2.339 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-SW@3

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	66212		
194	3.4		2.7	4.1
164	10.0		8.2	12.2

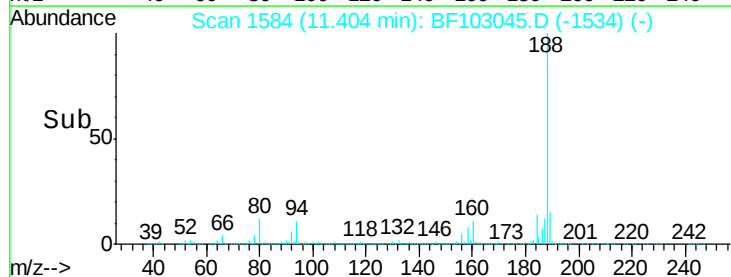
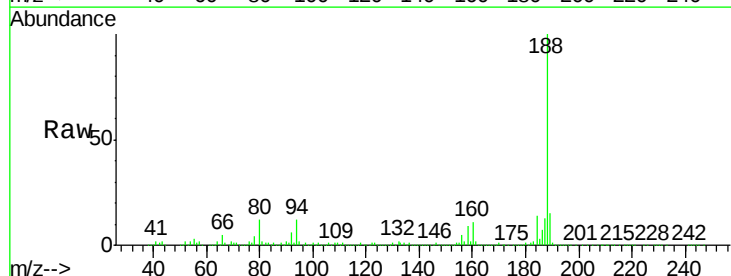
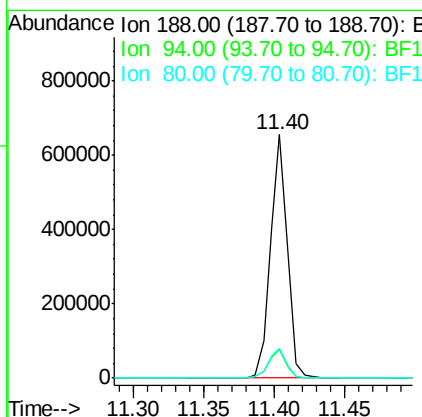
Manual Integrations
APPROVED

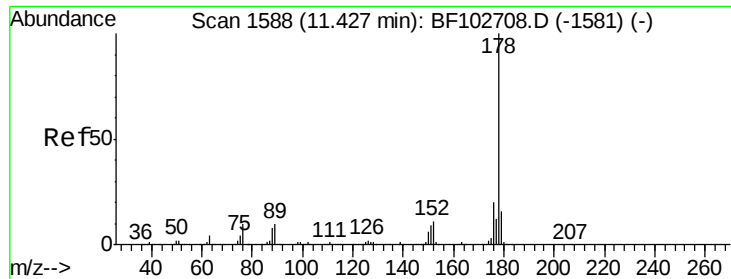
Sohil
2/19/2018 11:11:23 AM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	546629		
94	11.5		8.5	12.7
80	12.3		9.2	13.8





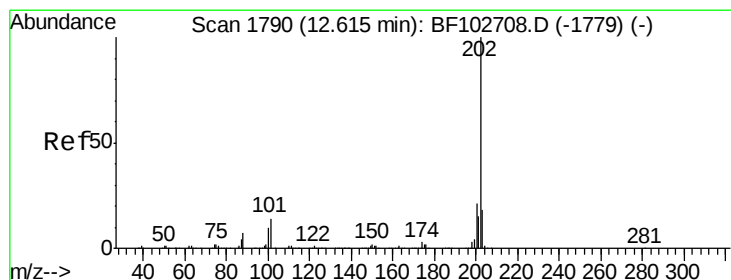
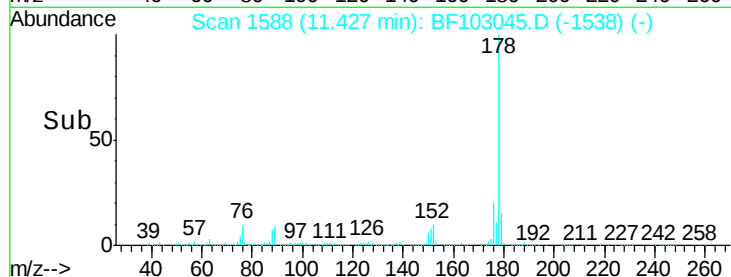
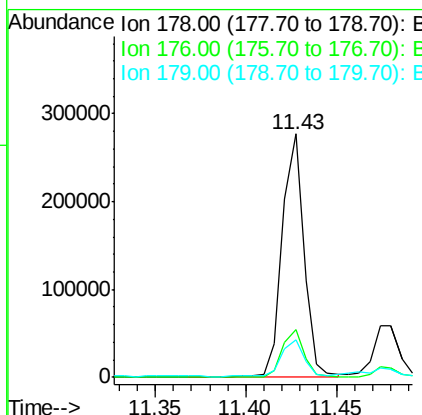
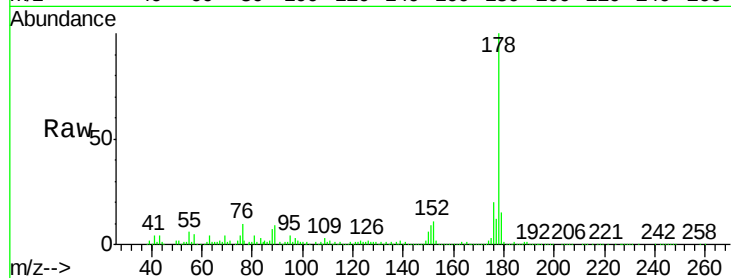
#70
Phenanthrene
Concen: 7.521 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-SW@3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.4	13.0	19.6

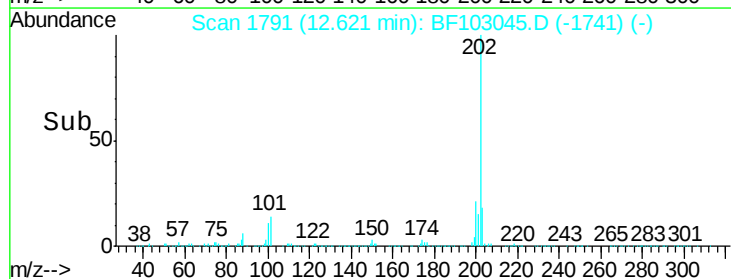
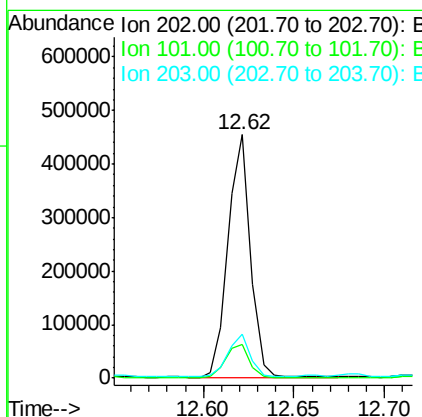
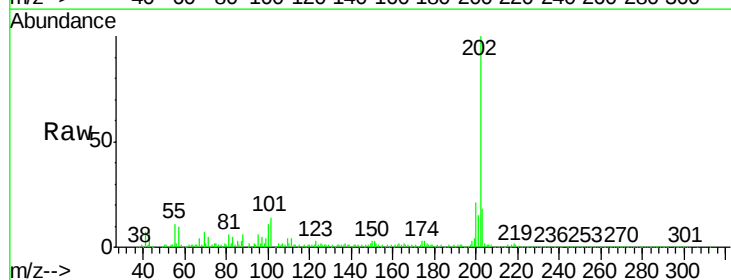
Manual Integrations
APPROVED

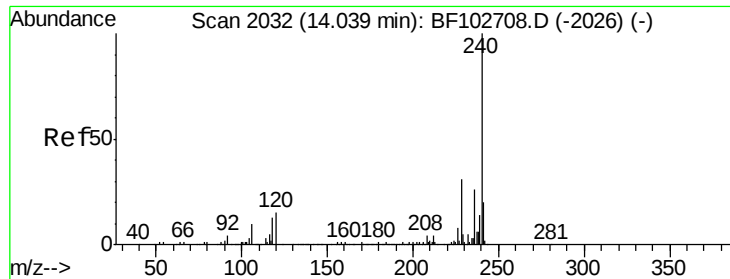
Sohil
2/19/2018 11:11:23 AM



#74
Fluoranthene
Concen: 12.784 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103045.D

Acq: 16 Feb 2018 12:05

Instrument :

BNA_F

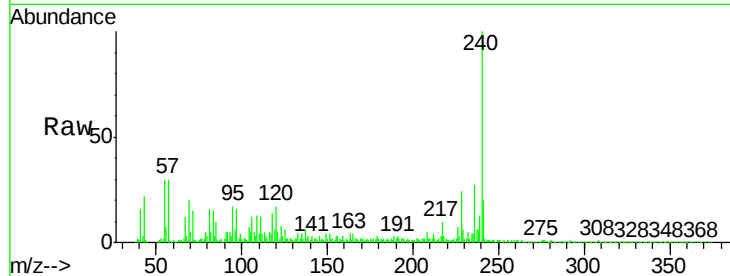
ClientSampleId :

CB-3-LINE-SW@3

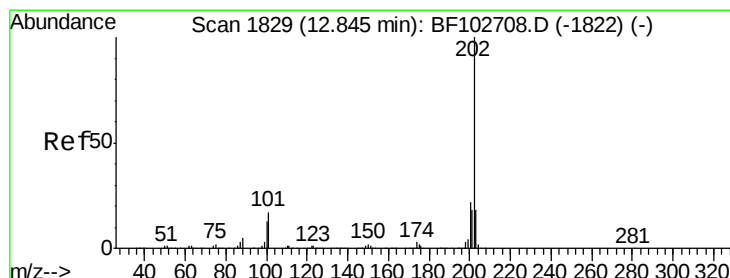
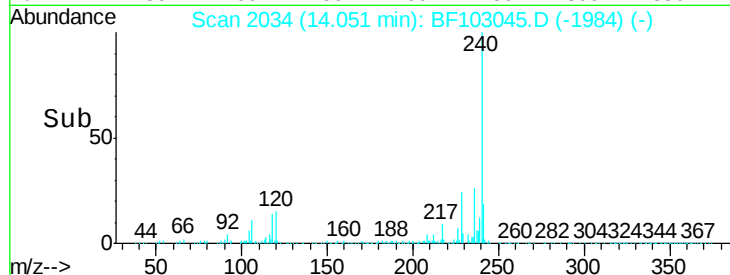
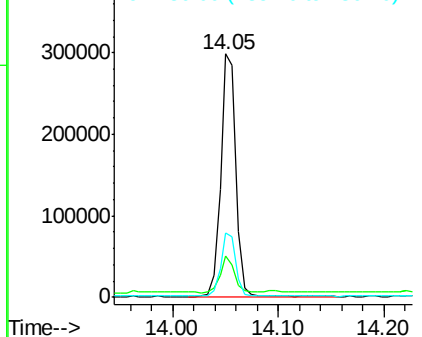
Tgt Ion:	240	Resp:	298454
Ion Ratio	Lower	Upper	
240	100		
120	17.1	9.5	14.3#
236	26.7	20.7	31.1

Manual Integrations
APPROVED

Sohil
2/19/2018 11:11:23 AM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.115 ng

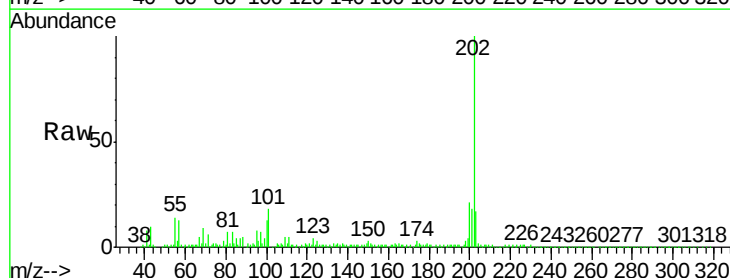
RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

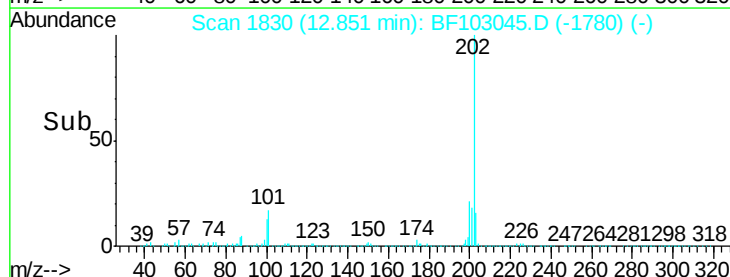
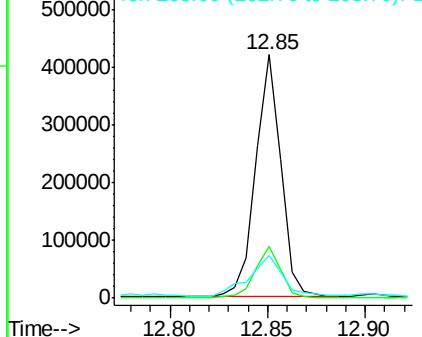
Lab File: BF103045.D

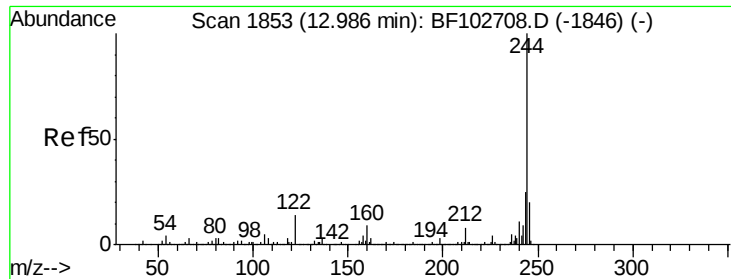
Acq: 16 Feb 2018 12:05

Tgt Ion:	202	Resp:	377147
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.5	14.3	21.5



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: 35.942 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103045.D

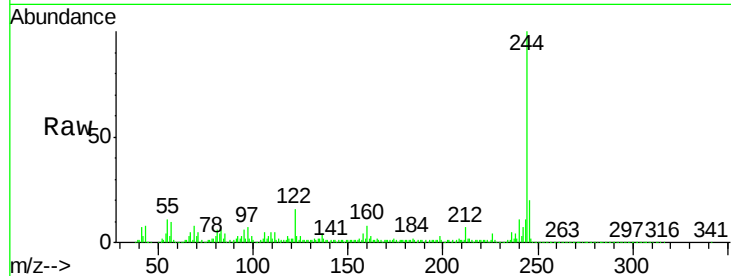
Acq: 16 Feb 2018 12:05

Instrument :

BNA_F

ClientSampleId :

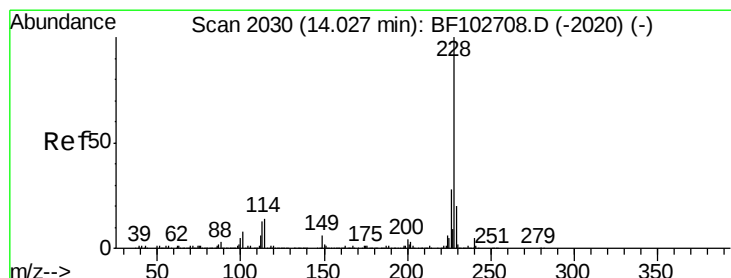
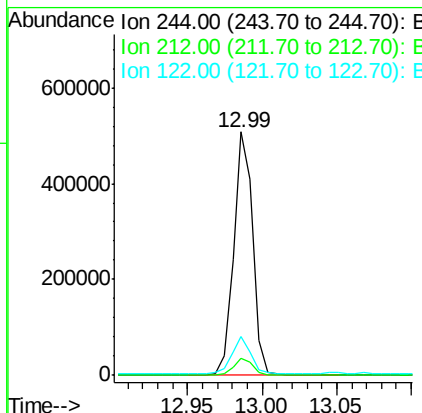
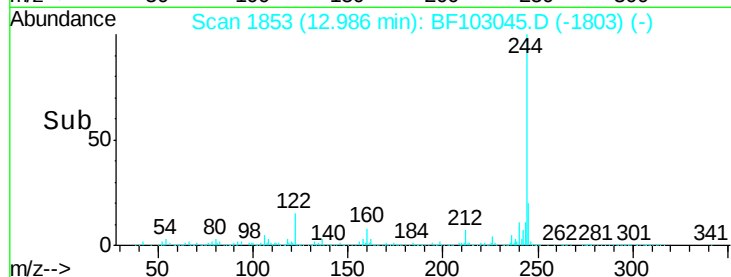
CB-3-LINE-SW@3



Tgt Ion:	244	Resp:	453037
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	15.7	11.0	16.4

Manual Integrations
APPROVED

Sohil
2/19/2018 11:11:23 AM



#80

Benzo(a)anthracene

Concen: 9.674 ng

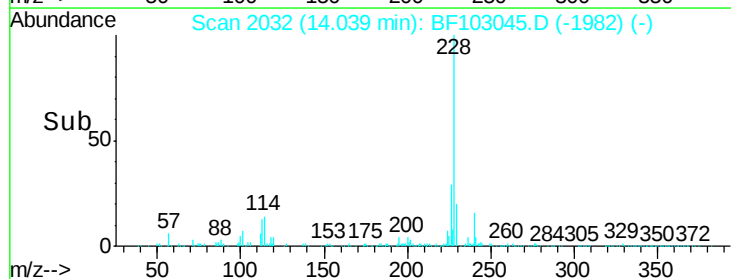
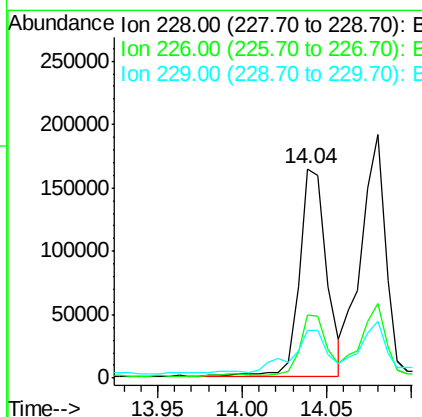
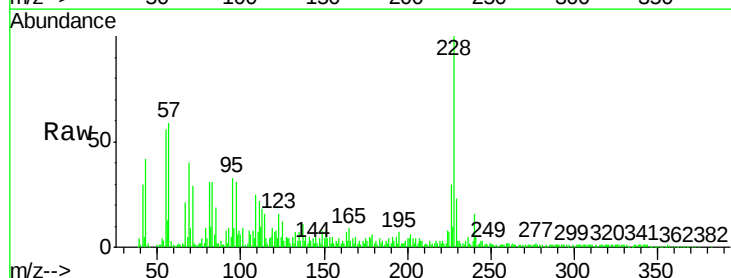
RT: 14.04 min Scan# 2032

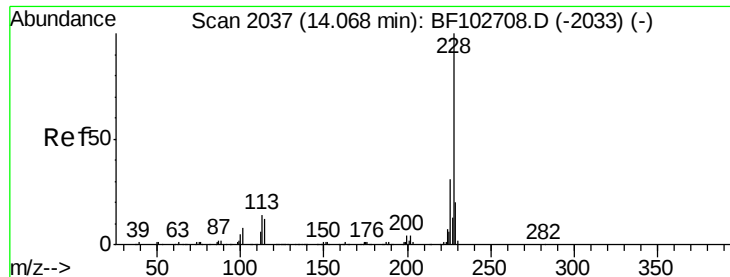
Delta R.T. -0.01 min

Lab File: BF103045.D

Acq: 16 Feb 2018 12:05

Tgt Ion:	228	Resp:	181581
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.6	33.8
229	22.9	15.8	23.6





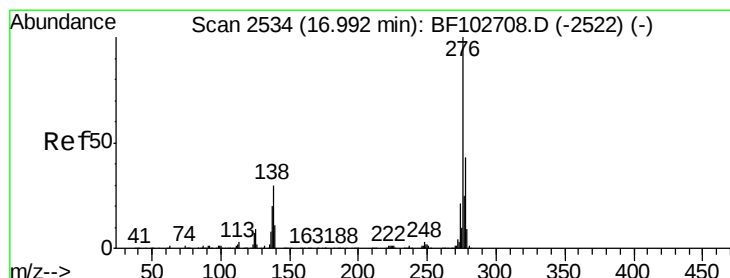
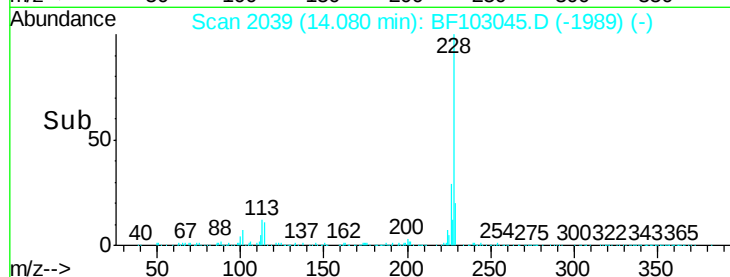
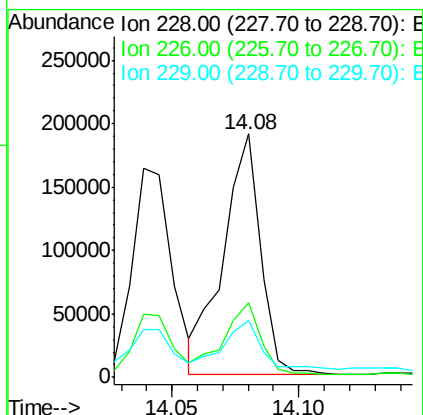
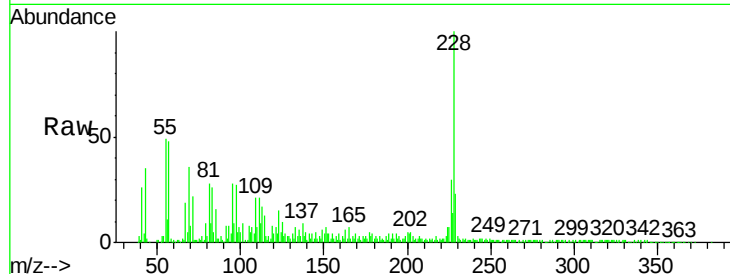
#82
Chrysene
Concen: 10.287 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-SW@3

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	194650		
226	30.4	25.0	37.6	
229	23.1	16.2	24.4	

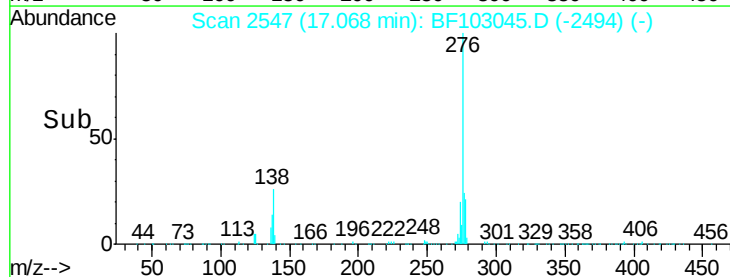
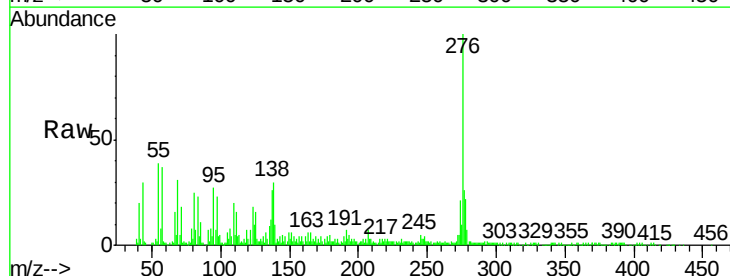
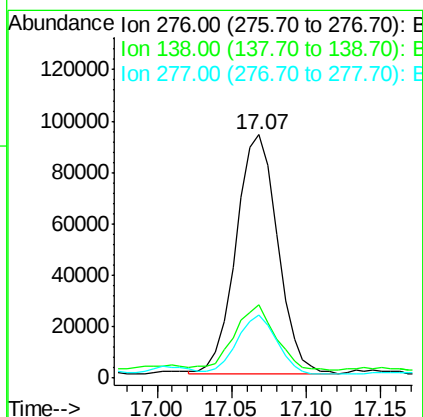
Manual Integrations
APPROVED

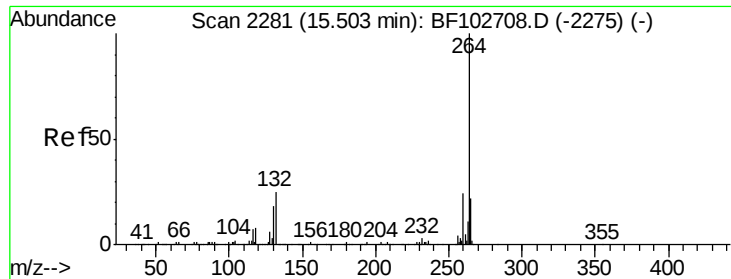
Sohil
2/19/2018 11:11:23 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.454 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.01 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	179745		
138	27.2	25.0	37.6	
277	23.9	20.1	30.1	





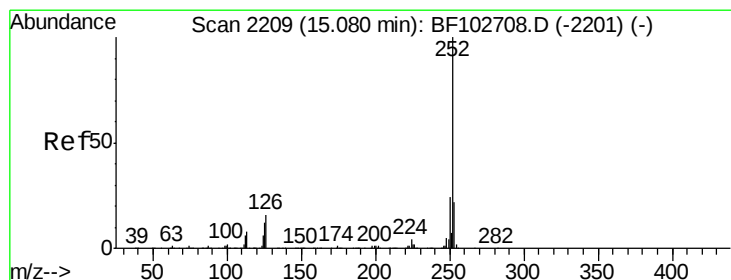
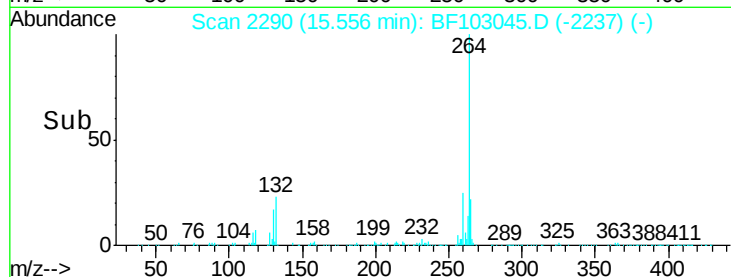
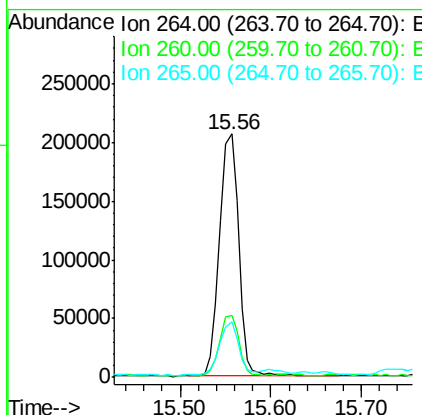
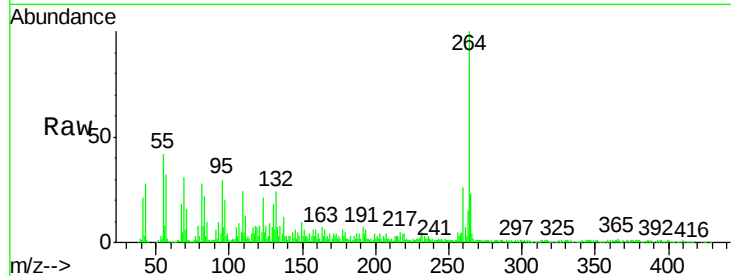
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-SW@3

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	304637		
260	25.6	19.2	28.8	
265	22.8	17.5	26.3	

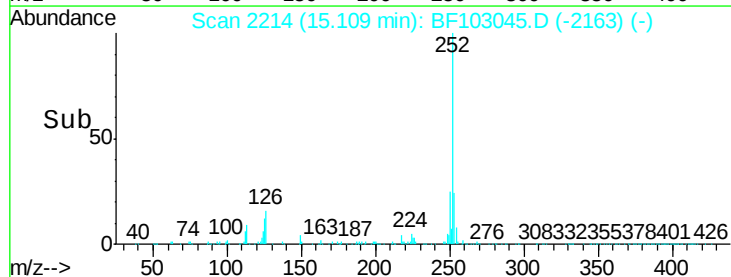
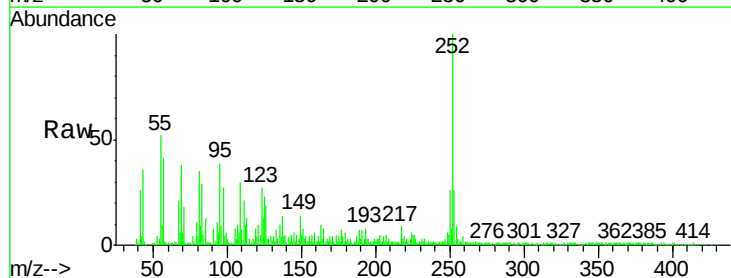
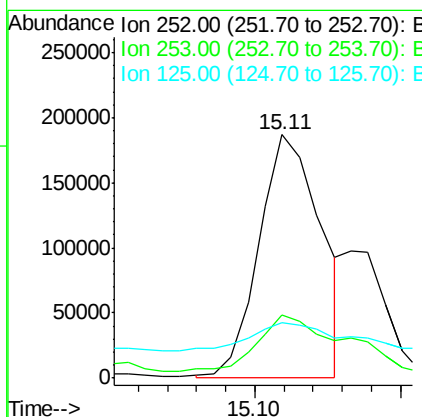
Manual Integrations
APPROVED

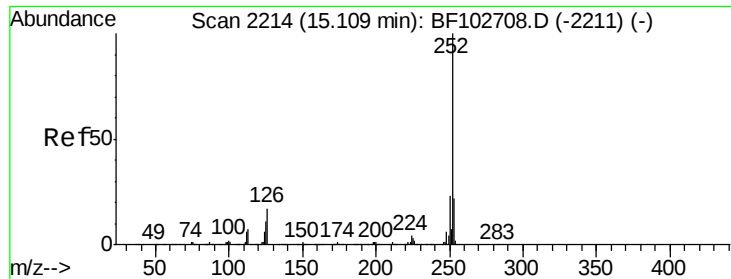
Sohil
2/19/2018 11:11:23 AM



#87
Benzo(b)fluoranthene
Concen: 14.006 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	276619		
253	25.9	17.0	25.6#	
125	22.9	9.0	13.6#	





#88

Benzo(k)fluoranthene

Concen: 5.548 ng m

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF103045.D

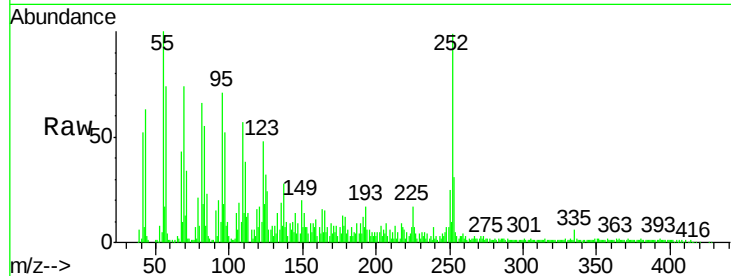
Acq: 16 Feb 2018 12:05

Instrument :

BNA_F

ClientSampleId :

CB-3-LINE-SW@3



Tgt Ion: 252 Resp: 104707

Ion Ratio Lower Upper

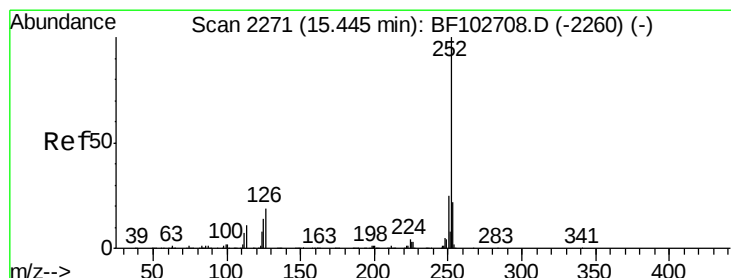
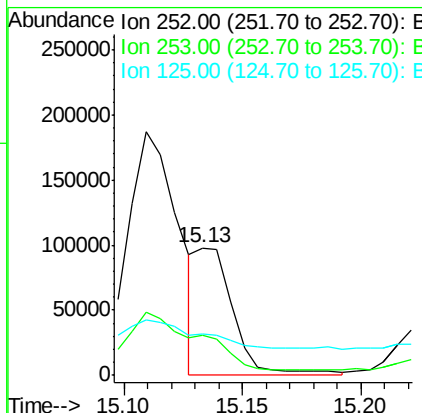
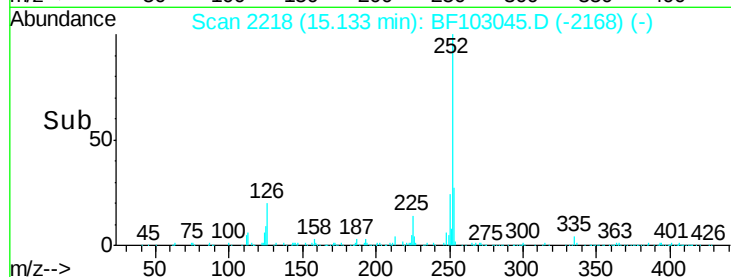
252 100

253 31.2 17.9 26.9#

125 32.8 10.2 15.2#

Manual Integrations
APPROVED

Sohil
2/19/2018 11:11:23 AM



#89

Benzo(a)pyrene

Concen: 10.560 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BF103045.D

Acq: 16 Feb 2018 12:05

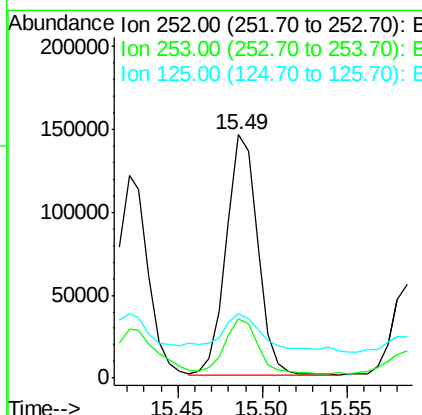
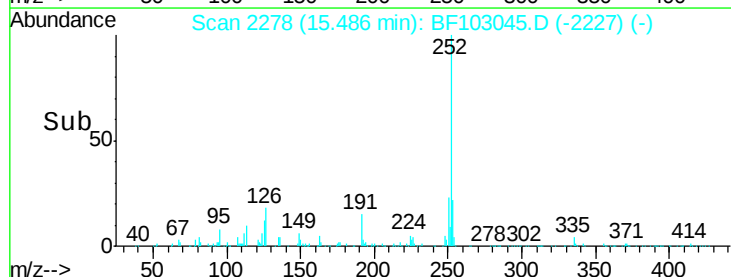
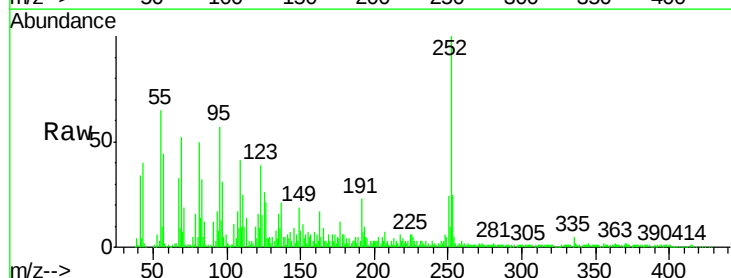
Tgt Ion: 252 Resp: 187744

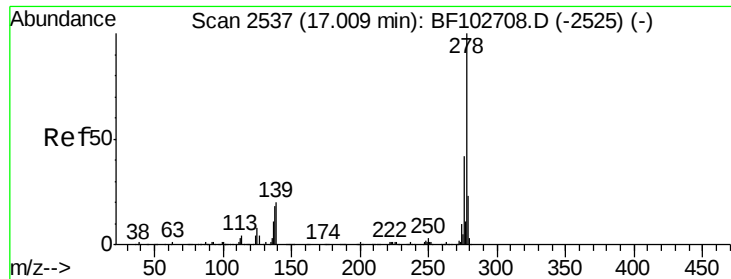
Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

125 26.4 9.8 14.6#





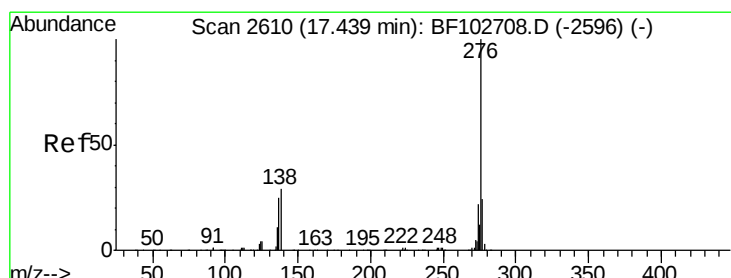
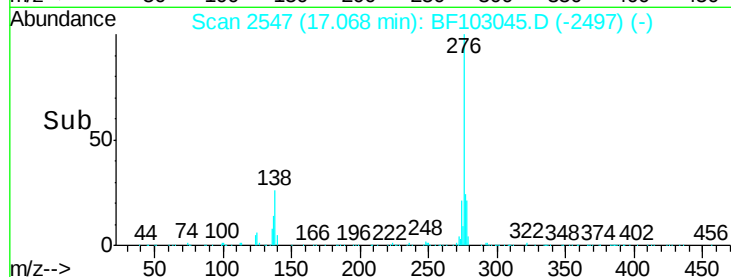
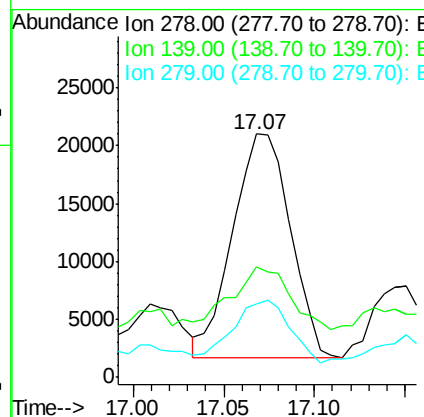
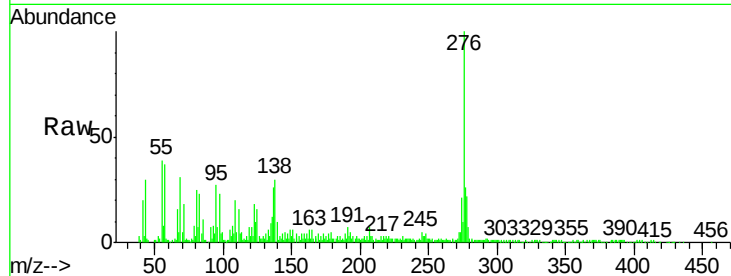
#90
Dibenzo(a,h)anthracene
Concen: 2.979 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-SW@3

Tgt Ion	Ratio	Lower	Upper
278	100		
139	45.4	15.9	23.9#
279	30.0	19.0	28.4#

Manual Integrations
APPROVED

Sohil
2/19/2018 11:11:23 AM



#91
Benzo(g,h,i)perylene
Concen: 14.413 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.01 min
Lab File: BF103045.D
Acq: 16 Feb 2018 12:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	28.9	21.8	32.8

