

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110505.D
 Acq On : 6 Nov 2018 10:43
 Operator : JU/SJ
 Sample : J5813-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-A

Manual Integrations
 APPROVED

Sohil
 11/7/2018 2:54:18 PM

Quant Time: Nov 06 12:12:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	104592	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	417196	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	188587	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	290768	20.00	ng	0.00
76) Chrysene-d12	14.13	240	182277	20.00	ng	0.00
87) Perylene-d12	15.66	264	167129	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	686480	106.88	ng	0.01
7) Phenol-d6	6.59	99	873661	106.35	ng	0.00
23) Nitrobenzene-d5	7.52	82	555346	78.95	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	168310	90.10	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	929879	77.43	ng	0.00
79) Terphenyl-d14	13.07	244	557894	63.65	ng	0.00
Target Compounds						
10) Phenol	6.59	94	59301	6.753	ng	81
50) Dimethylphthalate	9.70	163	165803	11.910	ng	99
71) Phenanthrene	11.51	178	48293	3.174	ng	99
75) Fluoranthene	12.70	202	93518	6.057	ng	99
78) Pyrene	12.93	202	75097	5.747	ng	97
81) Benzo(a)anthracene	14.12	228	30456	2.818	ng	98
83) Chrysene	14.16	228	32710	3.186	ng	95
88) Benzo(b)fluoranthene	15.20	252	43278m	4.484	ng	
90) Benzo(a)pyrene	15.59	252	26296	2.961	ng	# 93

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

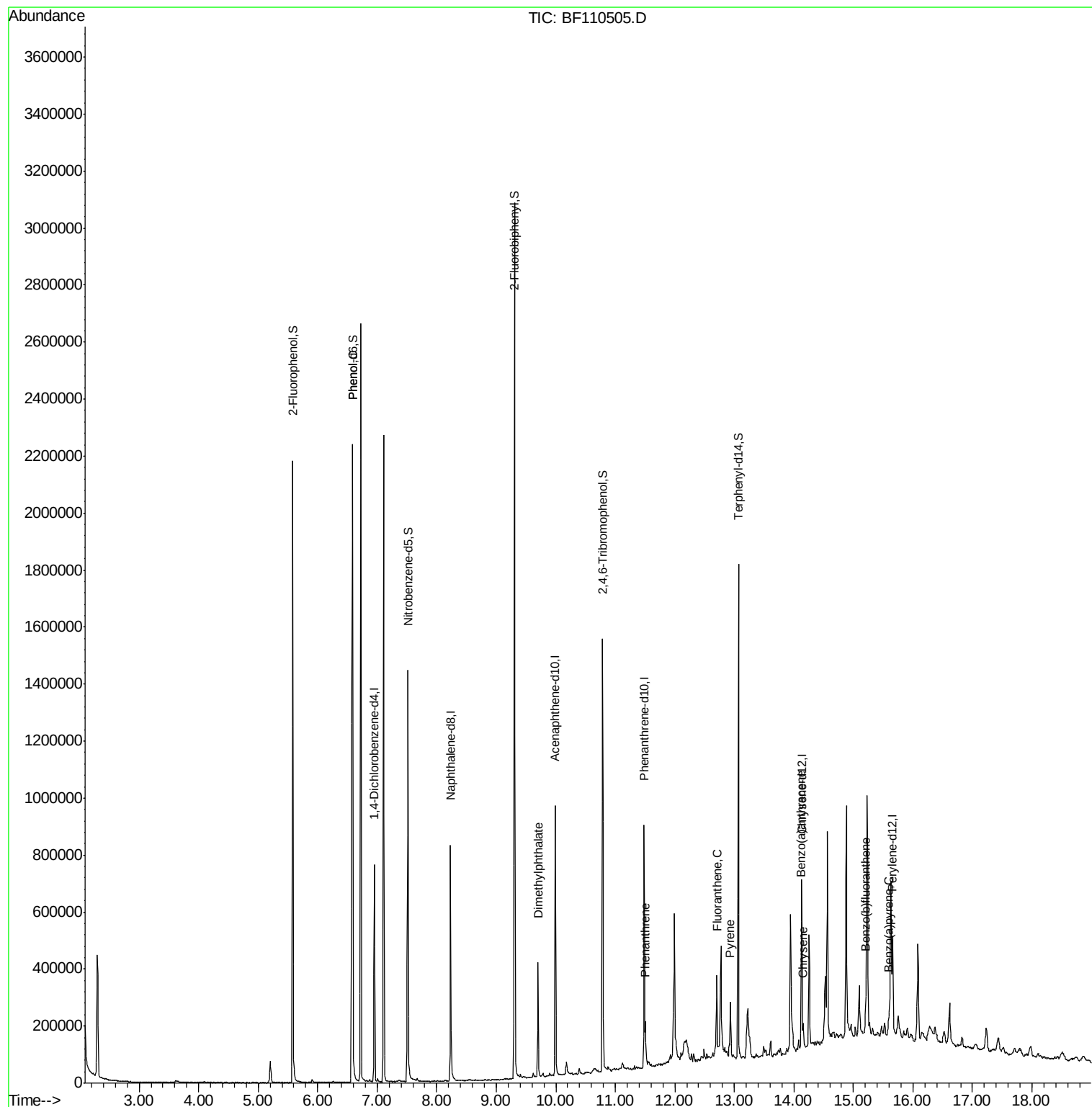
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
Data File : BF110505.D
Acq On : 6 Nov 2018 10:43
Operator : JU/SJ
Sample : J5813-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

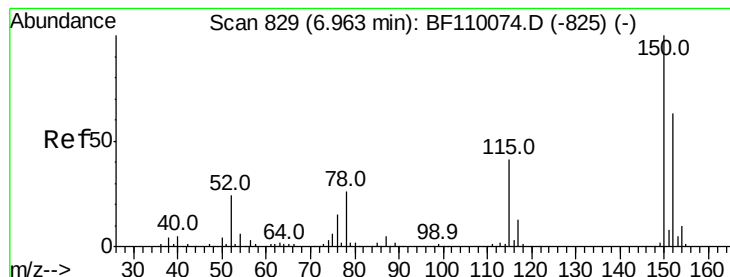
Instrument :
BNA_F
ClientSampleId :
TS-A

Quant Time: Nov 06 12:12:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:18 PM





#1

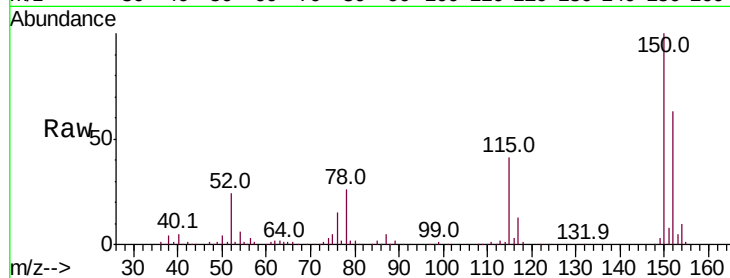
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampled :
TS-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.7	184.1
115	64.8	49.1	73.7

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:18 PM

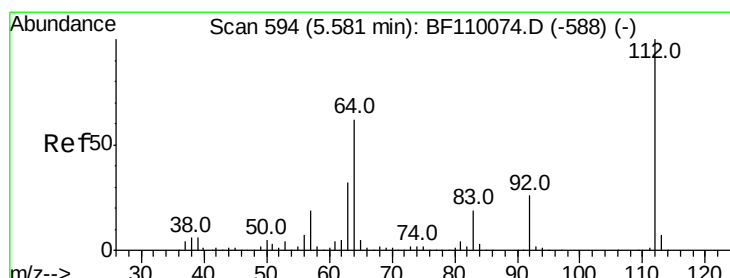
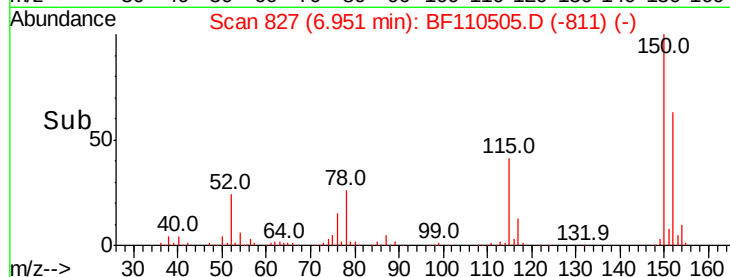
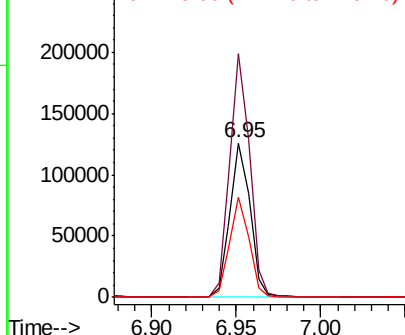


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

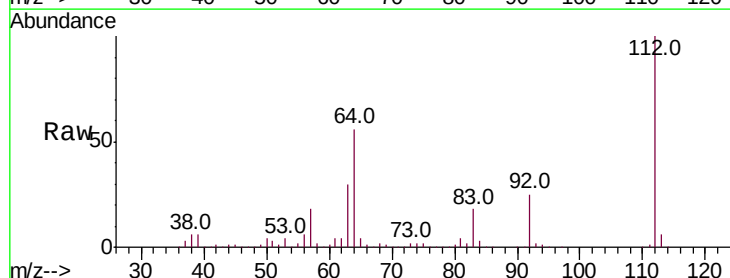
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.882 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.1	66.1
63	30.0	23.7	35.5

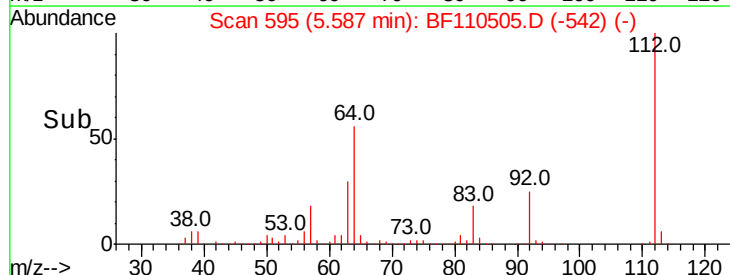
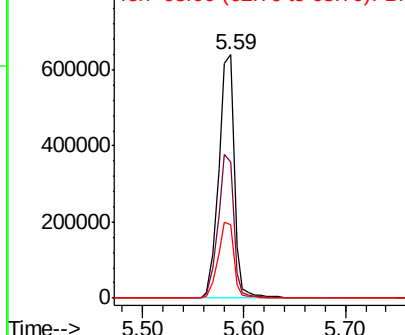


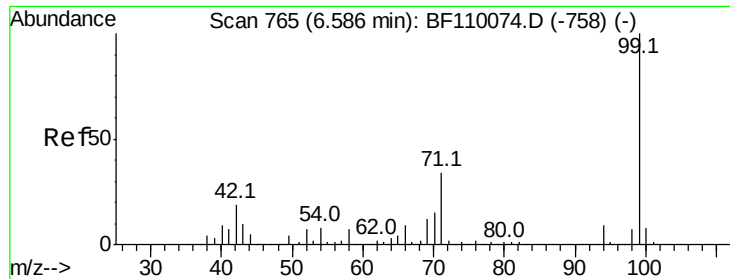
Abundance

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: 106.346 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Instrument :

BNA_F

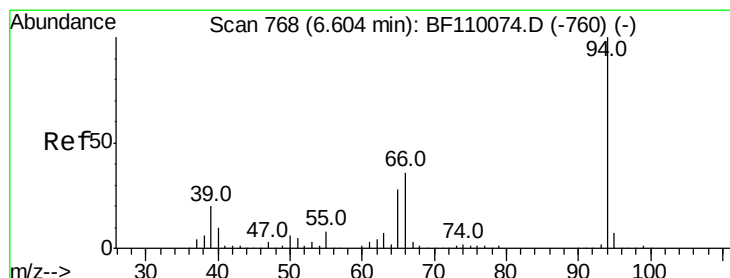
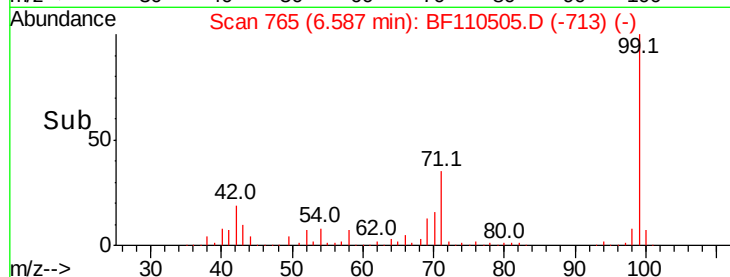
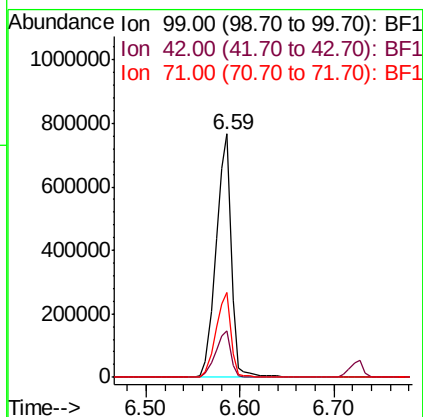
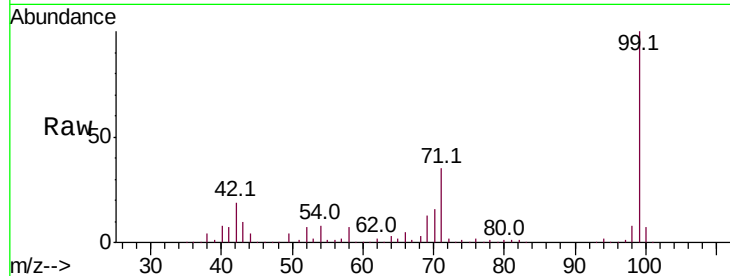
ClientSampled :

TS-A

Tot Ion:	99	Resp:	873661
Ion Ratio	Lower	Upper	
99	100		
42	19.3	15.8	23.6
71	35.1	28.0	42.0

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:18 PM



#10

Phenol

Concen: 6.753 ng

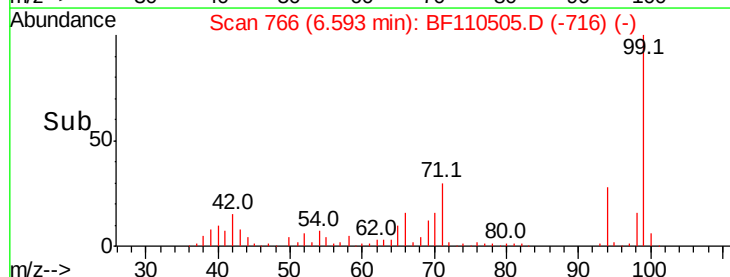
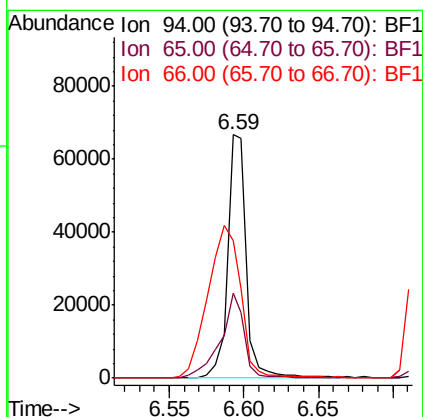
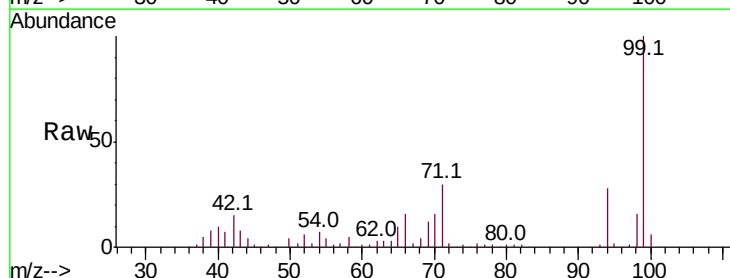
RT: 6.59 min Scan# 766

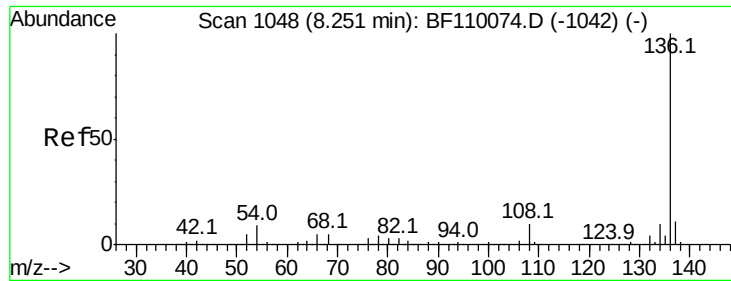
Delta R.T. -0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Tgt Ion:	94	Resp:	59301
Ion Ratio	Lower	Upper	
94	100		
65	35.0	25.3	65.3
66	56.6	54.5	94.5





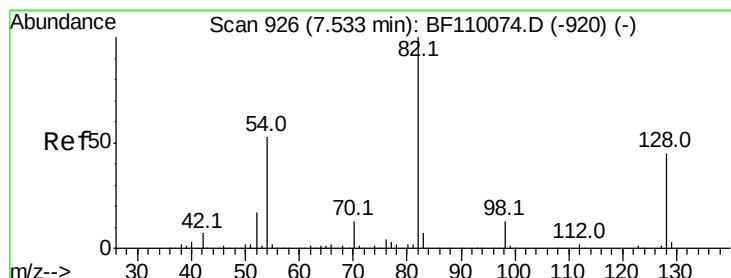
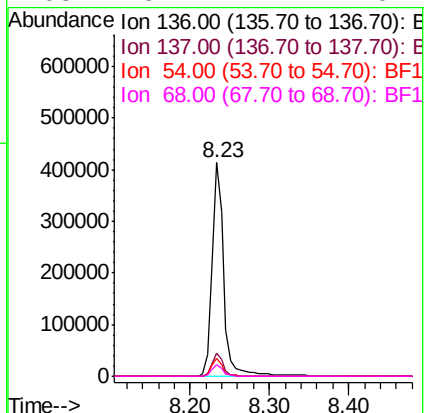
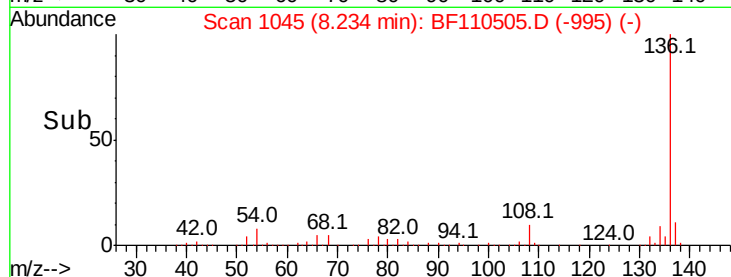
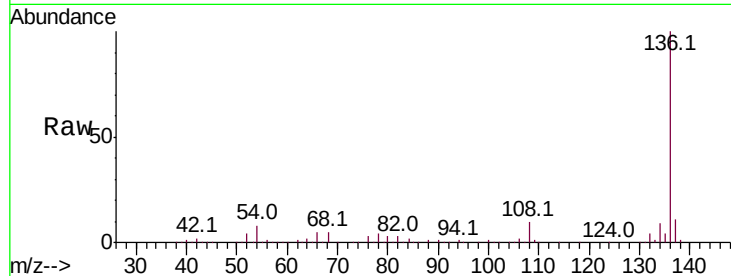
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampled :
TS-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.8	13.2	
54	8.3	5.4	8.2	
68	5.2	4.2	6.2	

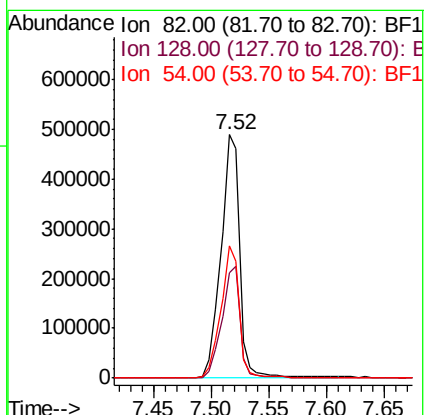
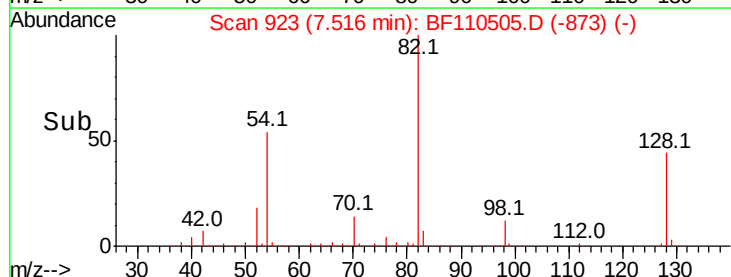
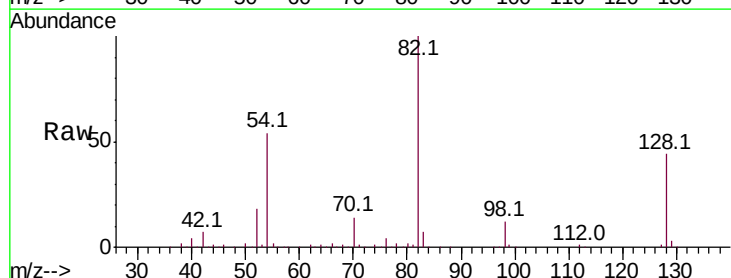
Manual Integrations
APPROVED

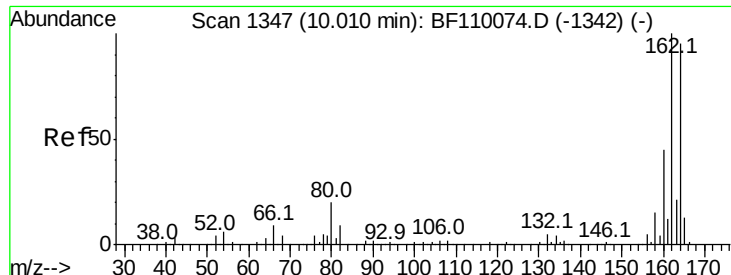
Sohil
11/7/2018 2:54:18 PM



#23
Nitrobenzene-d5
Concen: 78.954 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.5	34.2	51.2	
54	54.3	38.6	58.0	





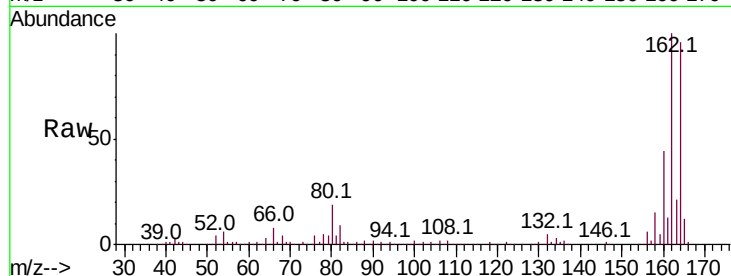
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampled :
TS-A

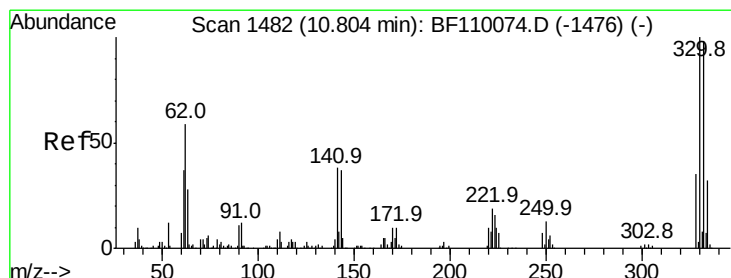
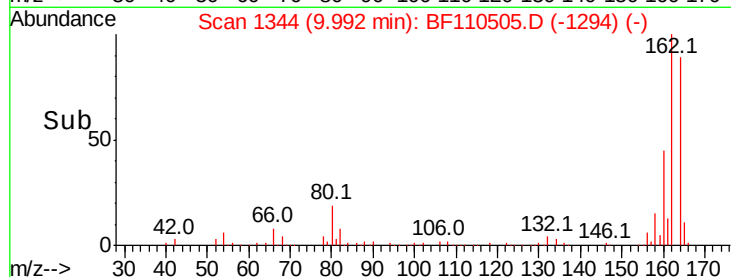
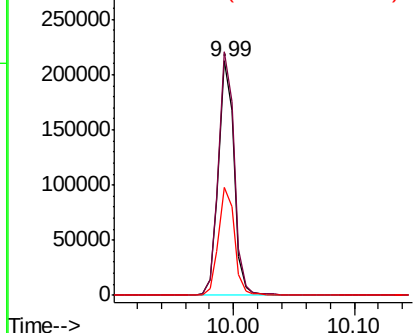
Tot Ion	Ratio	Resp	Lower	Upper
164	100	188587		
162	104.0	83.0	124.6	
160	46.2	37.0	55.6	

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:18 PM



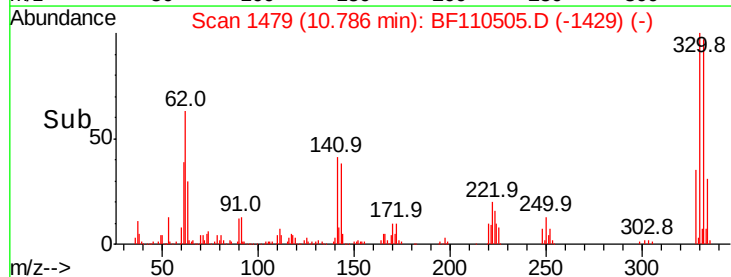
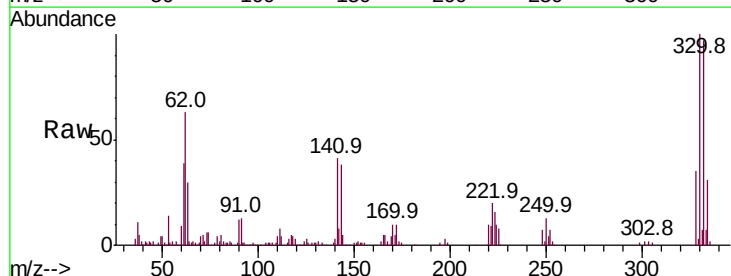
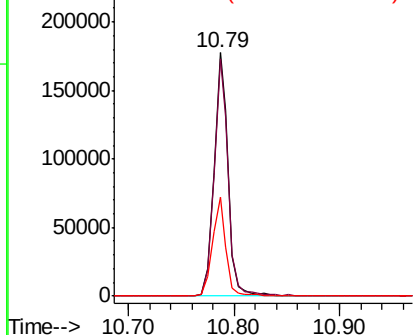
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

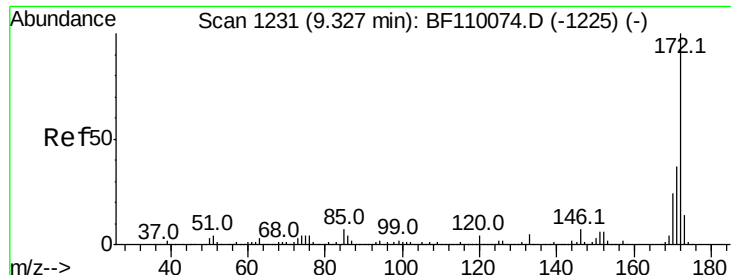


#42
2,4,6-Tribromophenol
Concen: 90.098 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	168310		
332	97.4	77.1	115.7	
141	39.0	27.0	40.4	

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





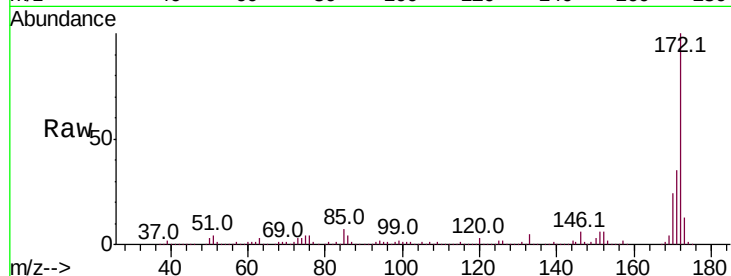
#45
2-Fluorobiphenyl
Concen: 77.426 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampled :
TS-A

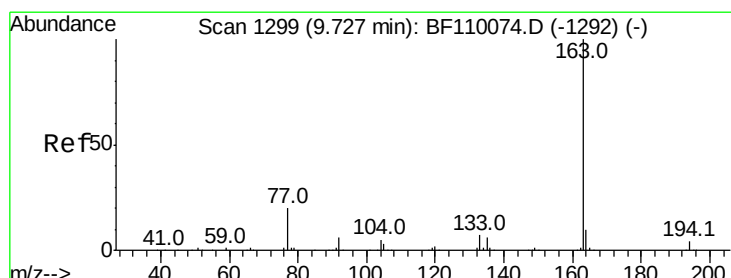
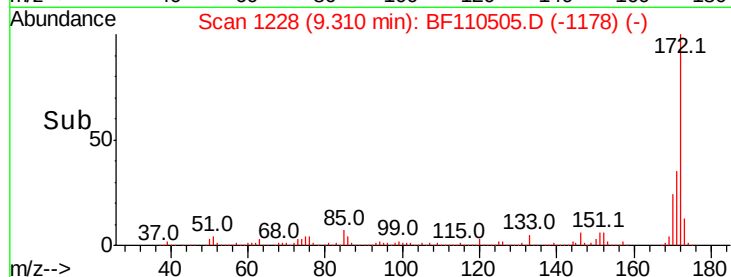
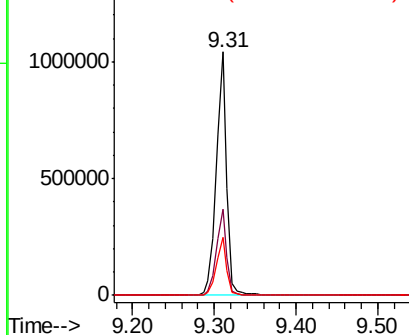
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.7	19.7	29.5

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:18 PM



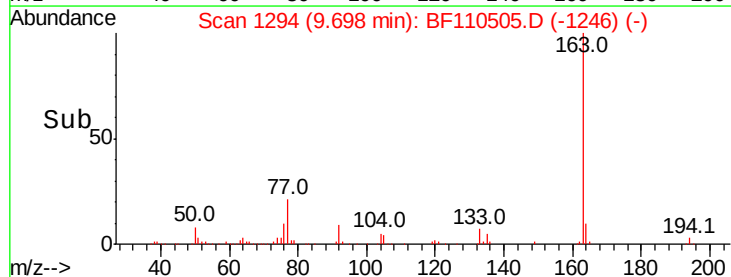
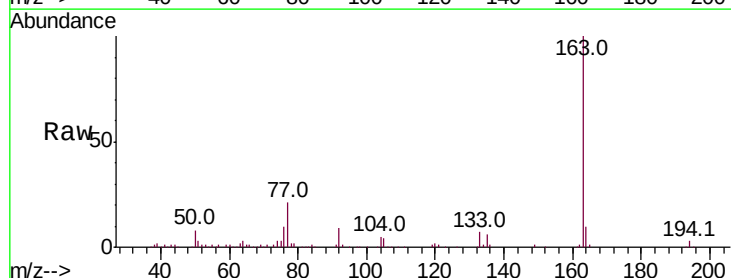
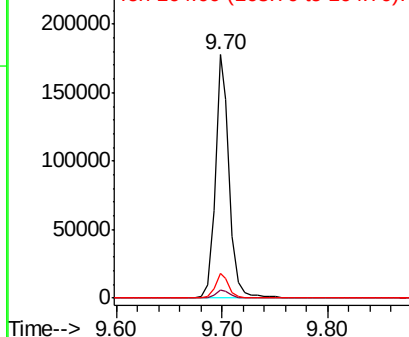
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

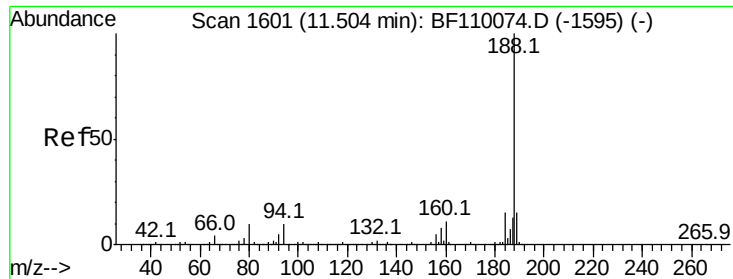


#50
Dimethylphthalate
Concen: 11.910 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.2	4.8
164	10.1	8.1	12.1

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Instrument :

BNA_F

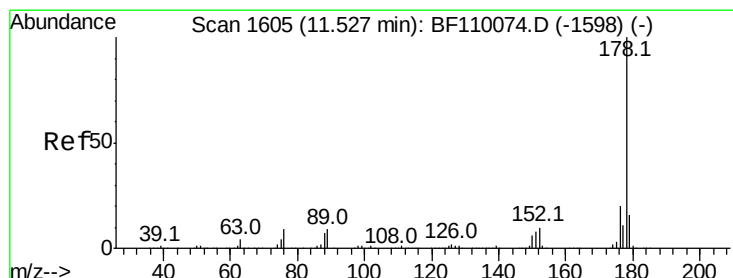
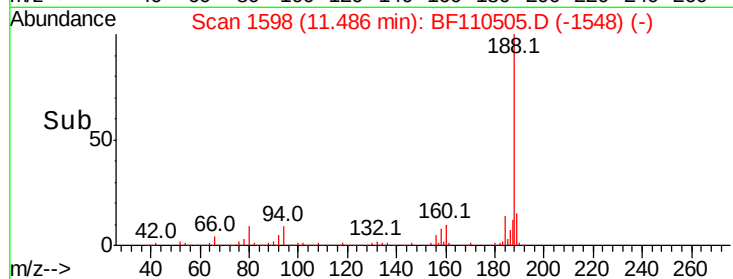
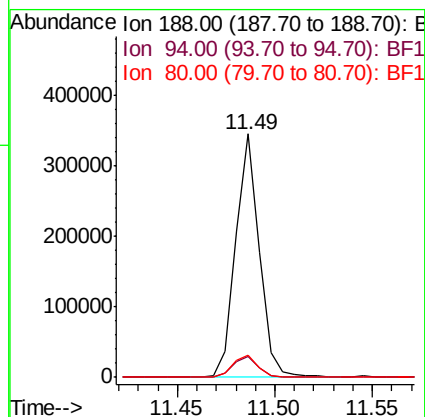
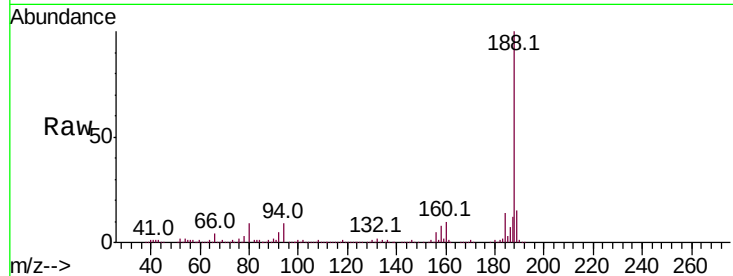
ClientSampleId :

TS-A

Tot Ion:188	Resp:	290768
Ion Ratio	Lower	Upper
188 100		
94 8.6	7.2	10.8
80 9.3	7.9	11.9

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:18 PM



#71

Phenanthrene

Concen: 3.174 ng

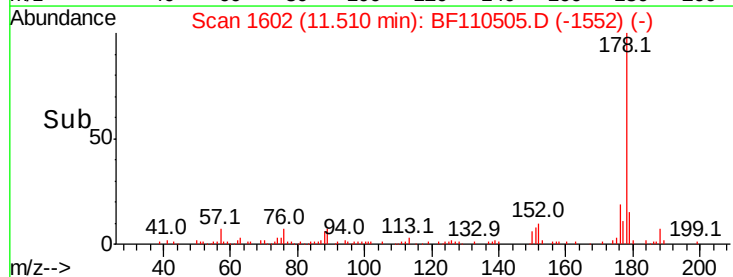
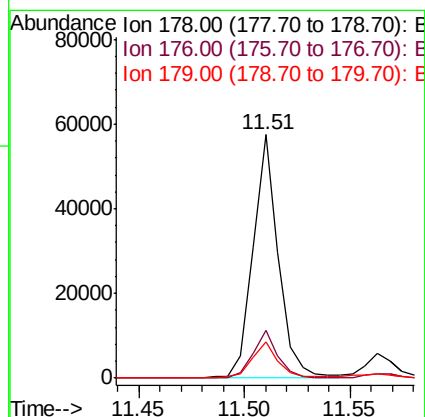
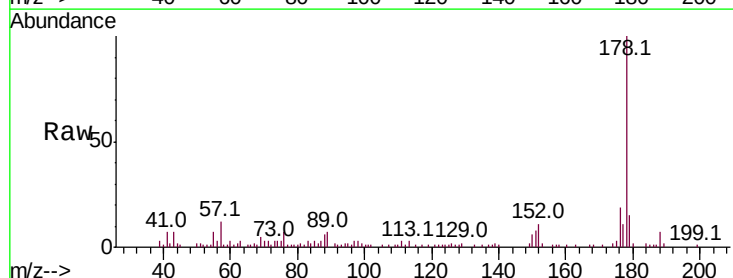
RT: 11.51 min Scan# 1602

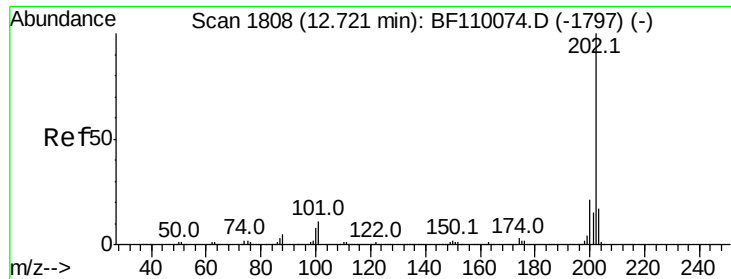
Delta R.T. -0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Tgt Ion:178	Resp:	48293
Ion Ratio	Lower	Upper
178 100		
176 19.4	15.5	23.3
179 14.7	12.5	18.7





#75

Fluoranthene

Concen: 6.057 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Instrument :

BNA_F

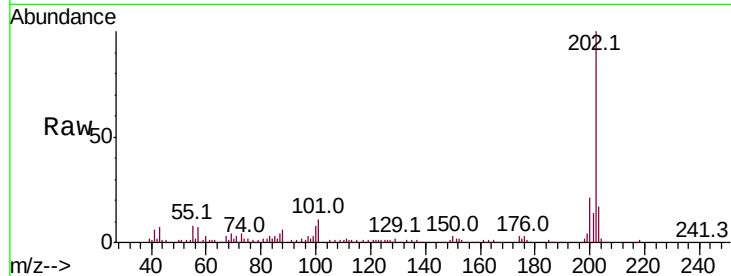
ClientSampled :

TS-A

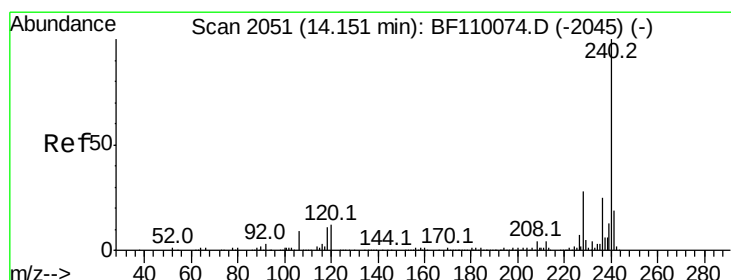
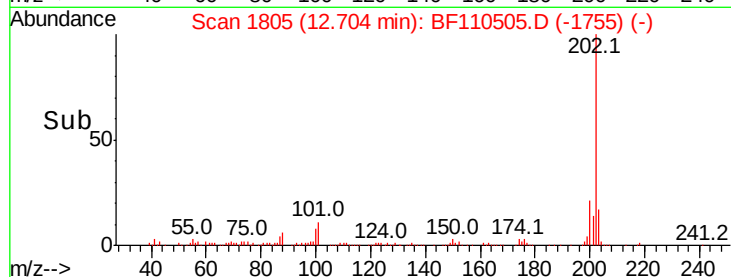
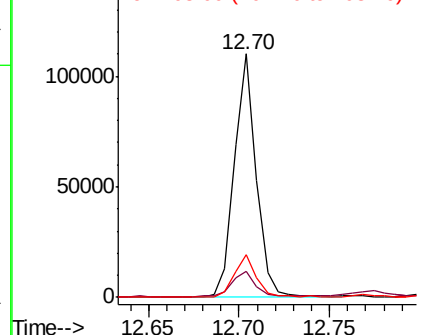
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	31.4
203	17.3	0.0	37.7

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:18 PM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

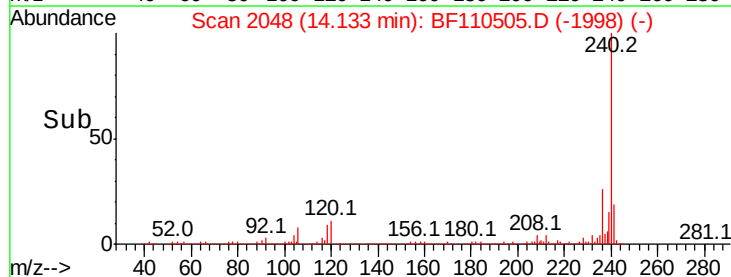
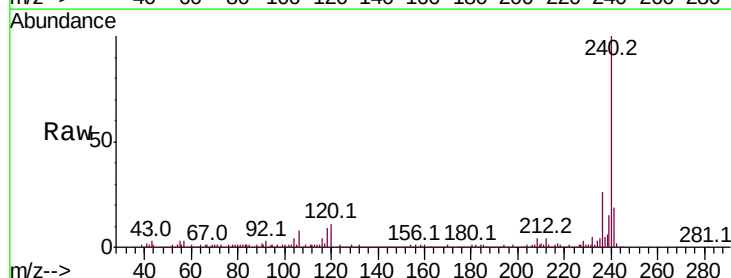
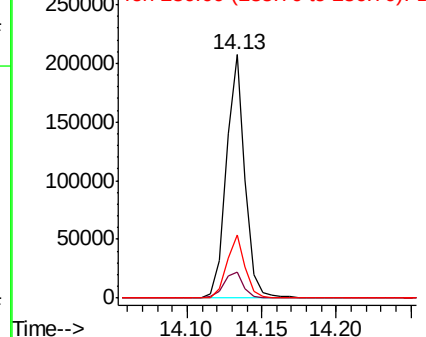
Delta R.T. -0.01 min

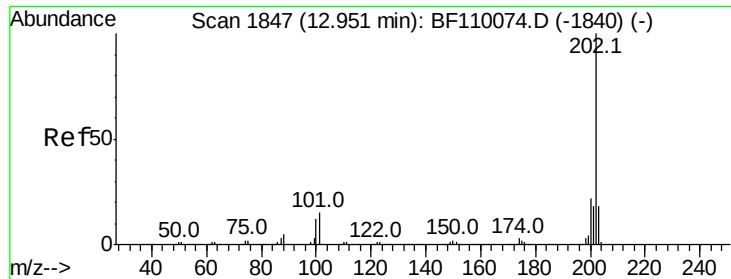
Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.7	8.3	12.5
236	26.1	21.2	31.8

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





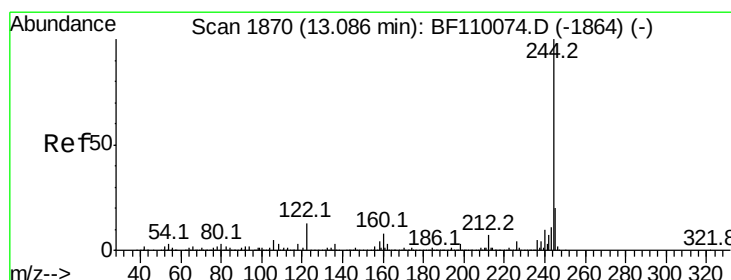
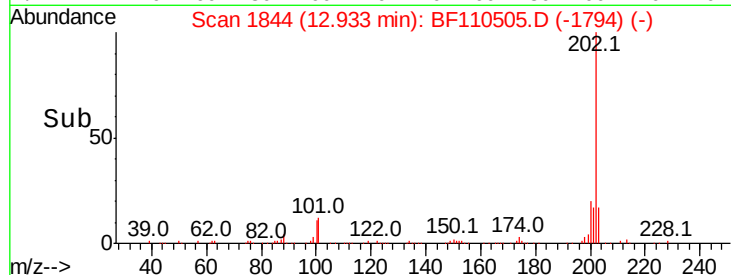
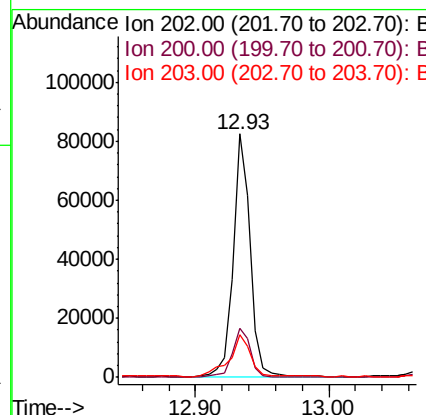
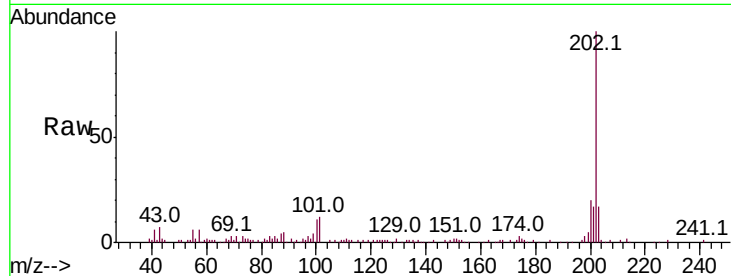
#78
Pvrene
Concen: 5.747 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampleId :
TS-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.6
203	17.3	14.2	21.4

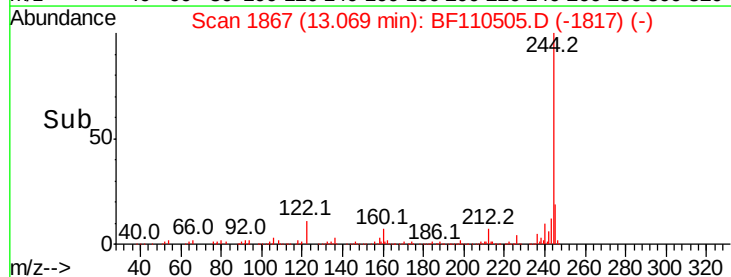
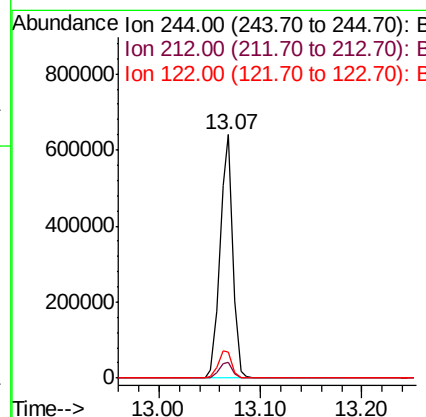
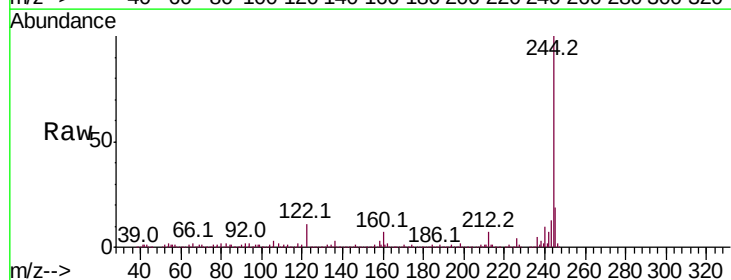
Manual Integrations
APPROVED

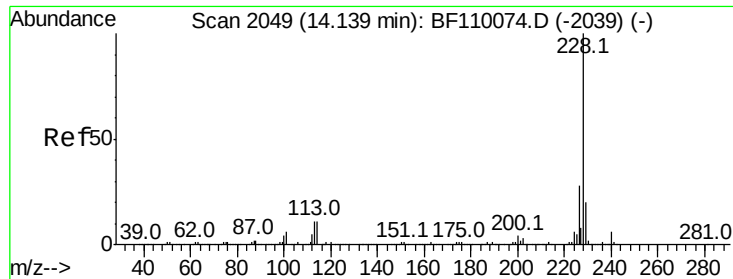
Sohil
11/7/2018 2:54:18 PM



#79
Terphenyl-d14
Concen: 63.654 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.9	8.7	13.1





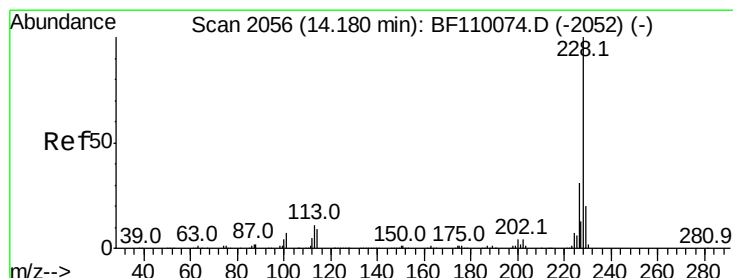
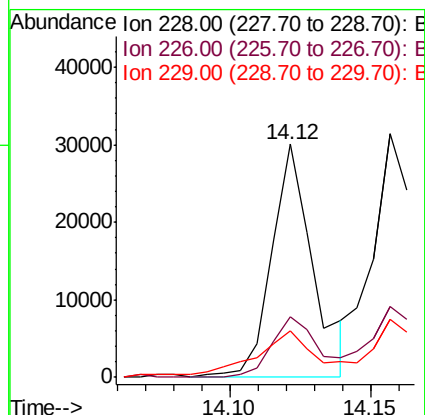
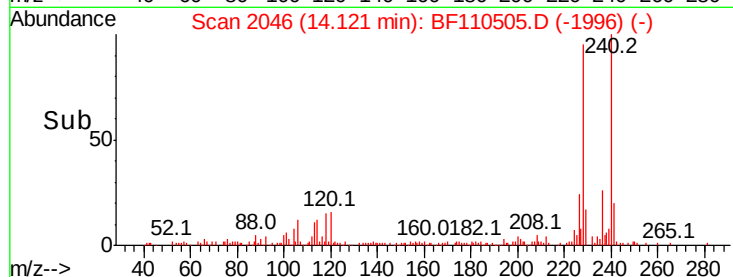
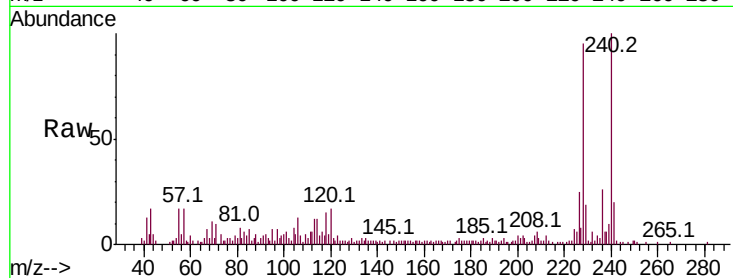
#81
Benzo(a)anthracene
Concen: 2.818 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampleId :
TS-A

Tot Ion:228	Resp:	30456
Ion Ratio	Lower	Upper
228 100		
226 26.3	22.1	33.1
229 19.9	15.6	23.4

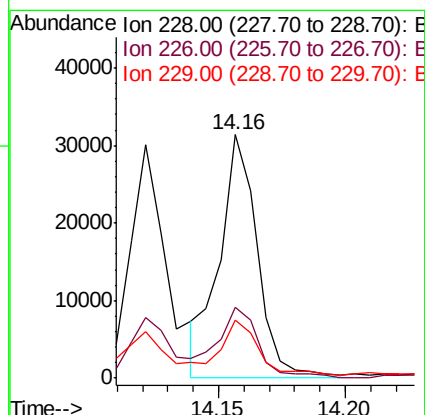
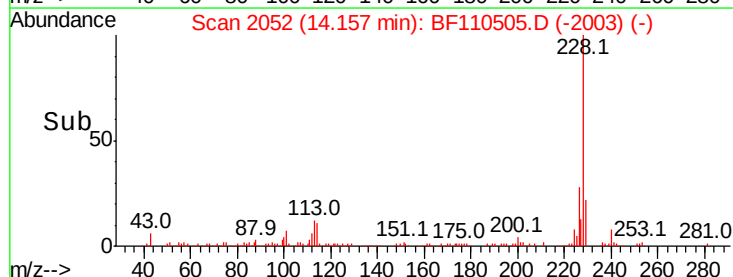
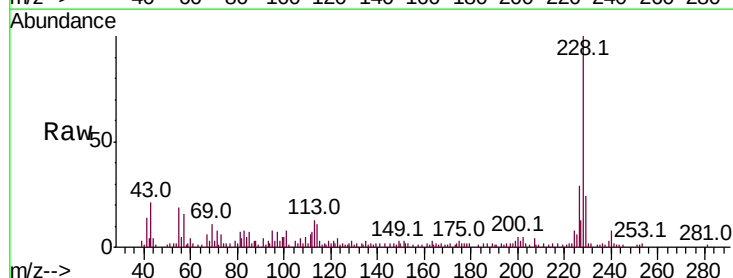
Manual Integrations
APPROVED

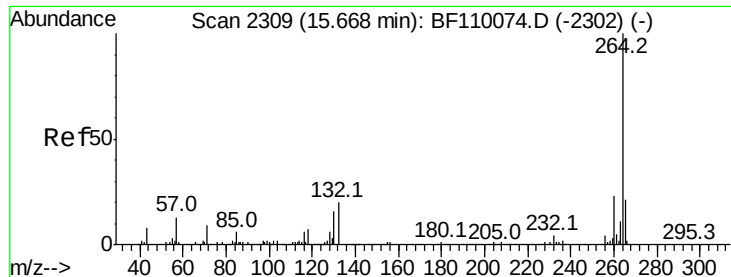
Sohil
11/7/2018 2:54:18 PM



#83
Chrysene
Concen: 3.186 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion:228	Resp:	32710
Ion Ratio	Lower	Upper
228 100		
226 29.3	24.7	37.1
229 23.9	15.9	23.9





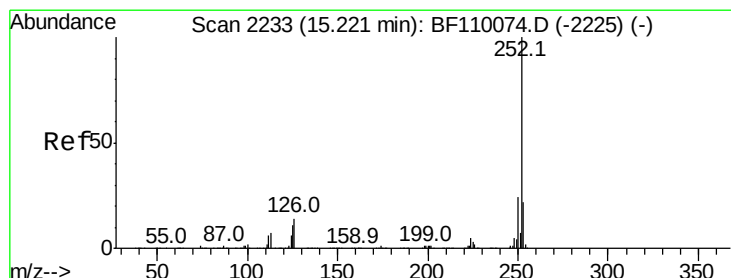
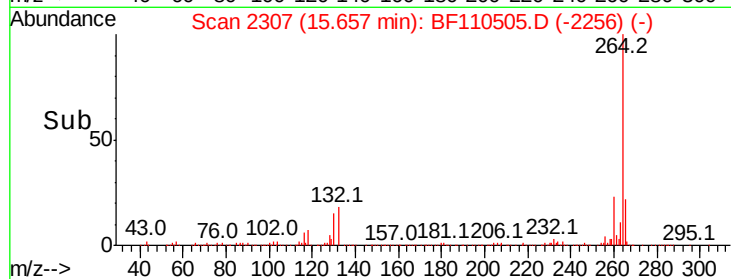
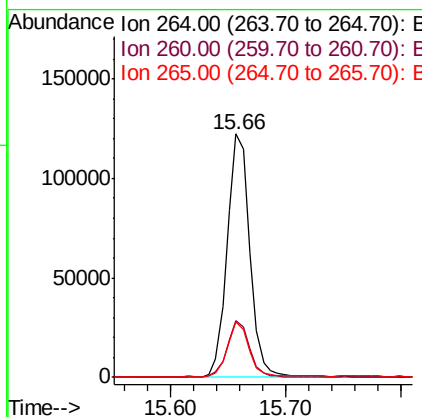
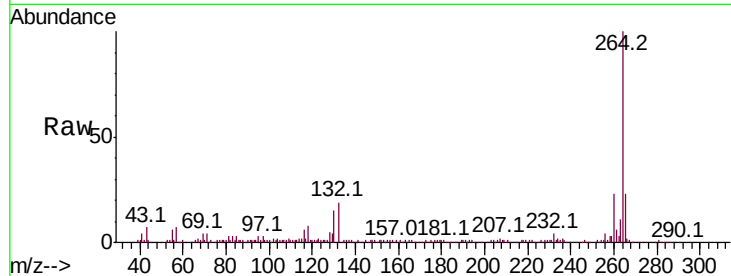
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampleId :
TS-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.6	16.7	25.1

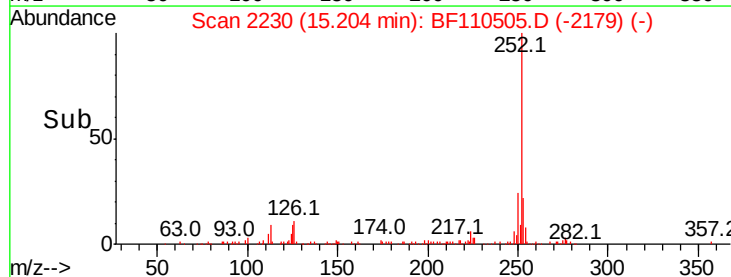
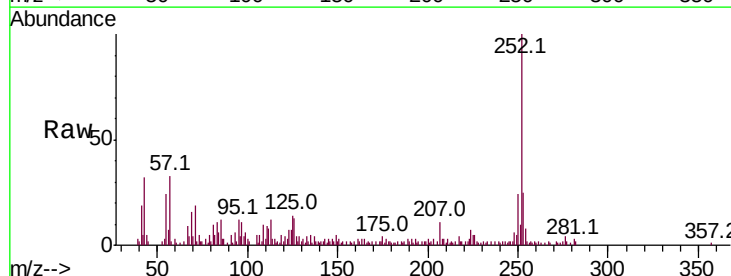
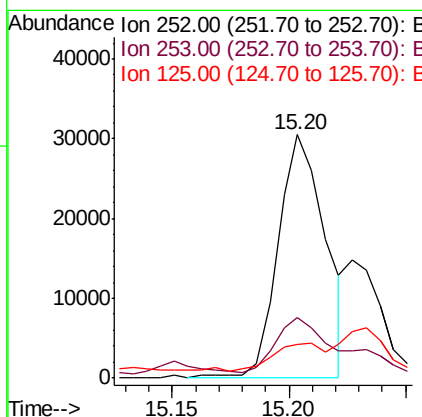
Manual Integrations
APPROVED

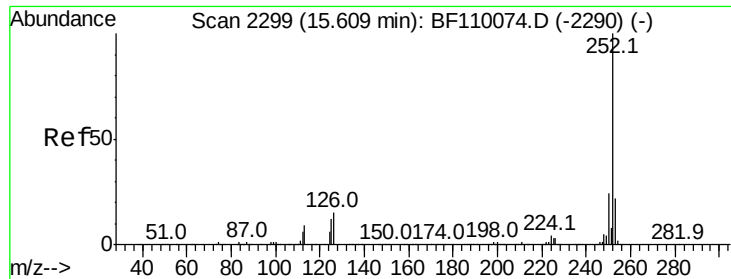
Sohil
11/7/2018 2:54:18 PM



#88
Benzo(b)fluoranthene
Concen: 4.484 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	13.9	8.2	12.4#





#90
Benzo(a)pyrene
Concen: 2.961 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampleId :
TS-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	18.5	9.0	13.6

Manual Integrations
APPROVED

Sohil
11/7/2018 2:54:18 PM

