

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111535.D
 Acq On : 17 Dec 2018 13:16
 Operator : JU/SJ
 Sample : J6386-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0006-01

Manual Integrations
 APPROVED

Sohil
 12/18/2018 12:47:45 PM

Quant Time: Dec 18 04:38:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	165557	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	630044	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	259999	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	496871	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	460736	20.00	ng	0.00
87) Perylene-d12	15.39	264	406919	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1083596	108.92	ng	0.00
7) Phenol-d6	6.44	99	1335793	100.94	ng	0.00
23) Nitrobenzene-d5	7.35	82	831568	78.60	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	196122	84.21	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	1272316	75.59	ng	-0.01
79) Terphenyl-d14	12.89	244	1156498	58.94	ng	0.00
Target Compounds						
10) Phenol	6.45	94	103372	7.012	ng	93
20) 3+4-Methylphenols	7.20	107	31550	2.629	ng	# 59
30) 1,2,4-Trichlorobenzene	8.01	180	24896	2.745	ng	94
49) Acenaphthylene	9.68	152	56672	2.280	ng	94
50) Dimethylphthalate	9.54	163	127528	6.811	ng	98
71) Phenanthrene	11.33	178	183443	7.165	ng	# 93
75) Fluoranthene	12.52	202	118866	4.746	ng	100
78) Pyrene	12.74	202	210191	6.471	ng	95
81) Benzo(a)anthracene	13.94	228	74662m	2.980	ng	
83) Chrysene	13.97	228	76081	2.883	ng	99
88) Benzo(b)fluoranthene	14.97	252	69246m	2.919	ng	
90) Benzo(a)pyrene	15.33	252	71315	3.334	ng	# 91
92) Benzo(a,h,i)perylene	17.23	276	33200	2.004	ng	# 92

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

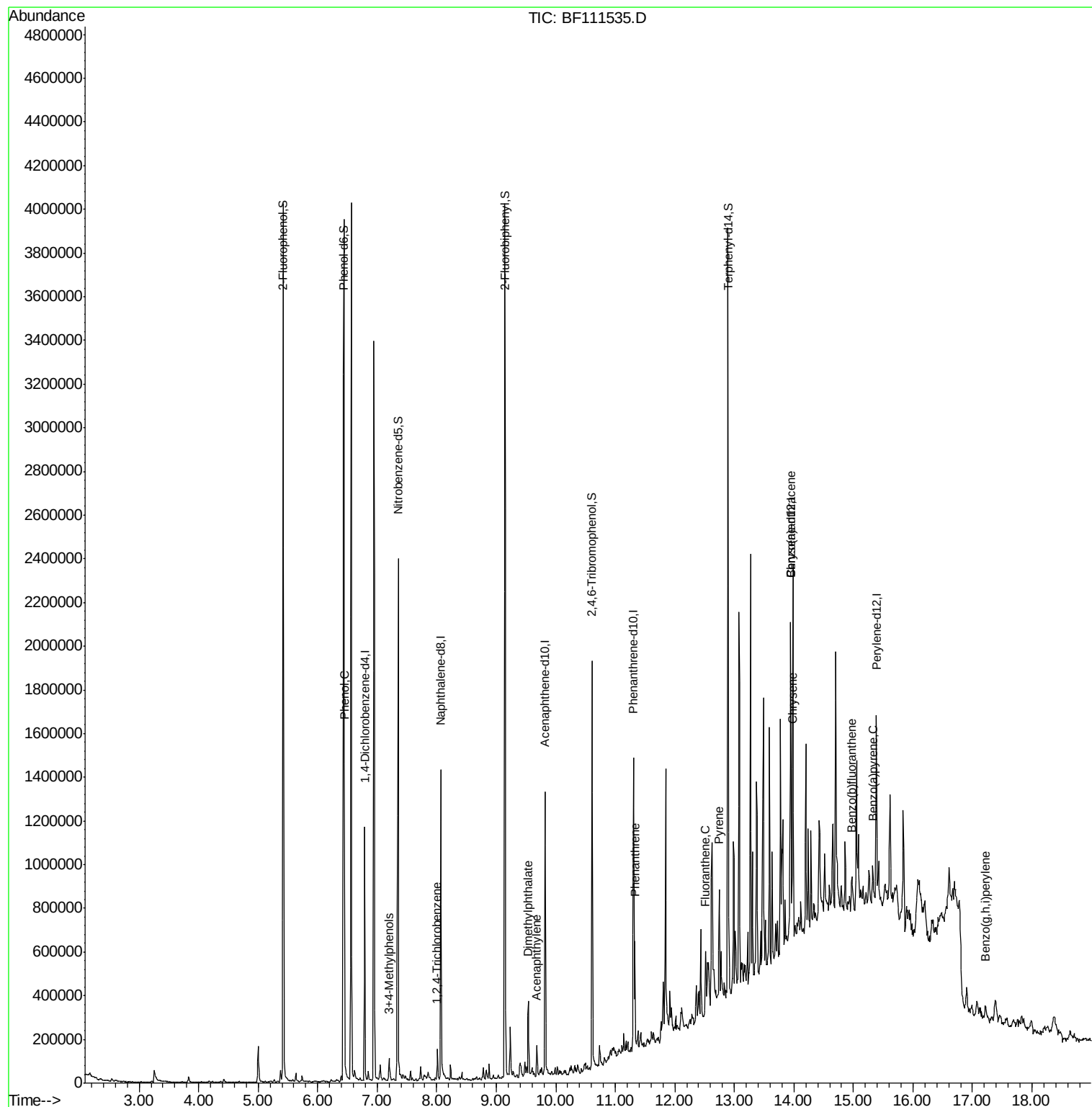
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111535.D
Acq On : 17 Dec 2018 13:16
Operator : JU/SJ
Sample : J6386-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

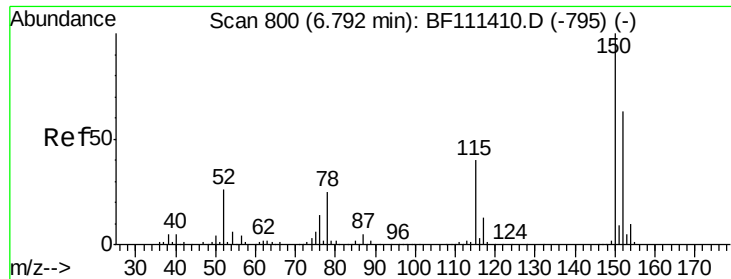
Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

Manual Integrations
APPROVED

Sohil
12/18/2018 12:47:45 PM

Quant Time: Dec 18 04:38:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration





#1

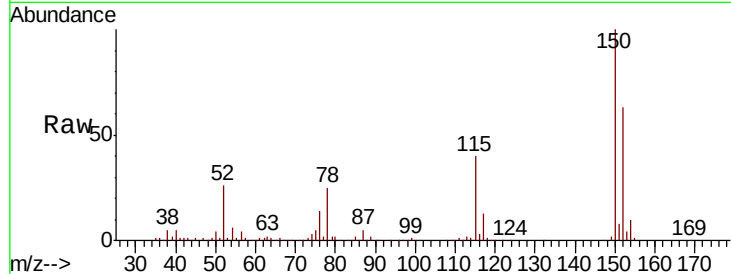
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.6	189.8
115	62.7	50.7	76.1

Manual Integrations
APPROVED

Sohil
12/18/2018 12:47:45 PM

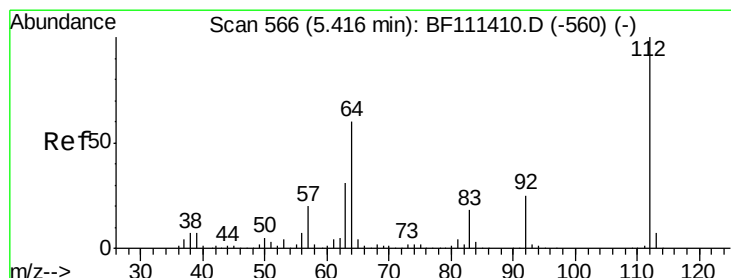
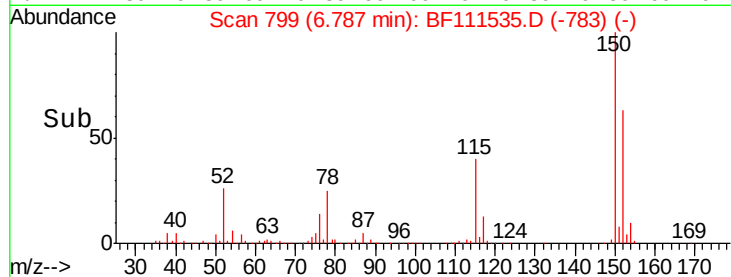
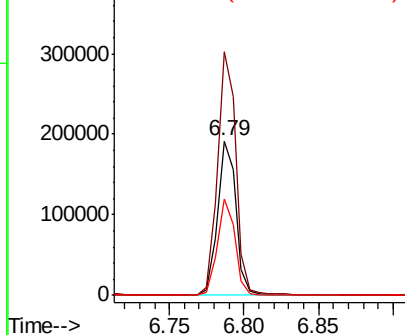


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

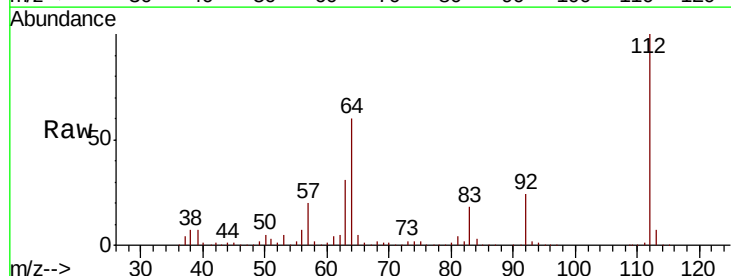
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.915 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	51.8	77.6
63	31.3	26.8	40.2

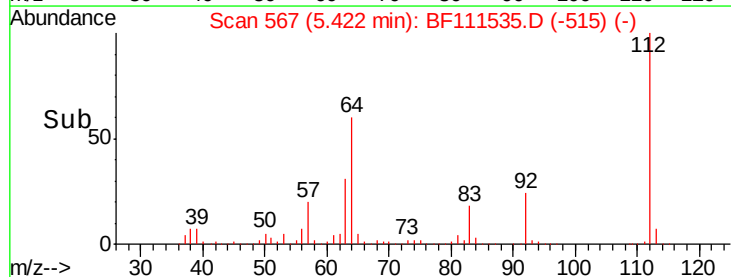
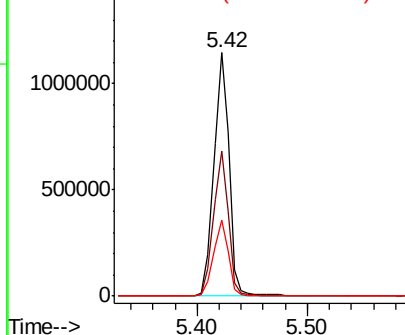


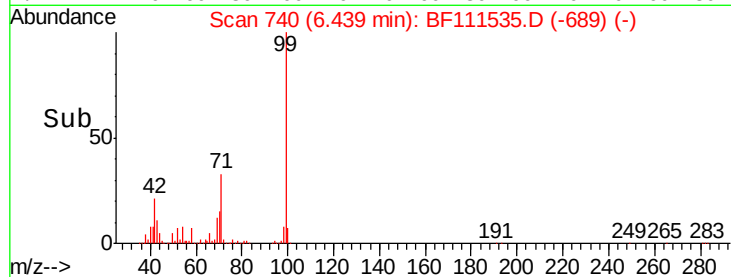
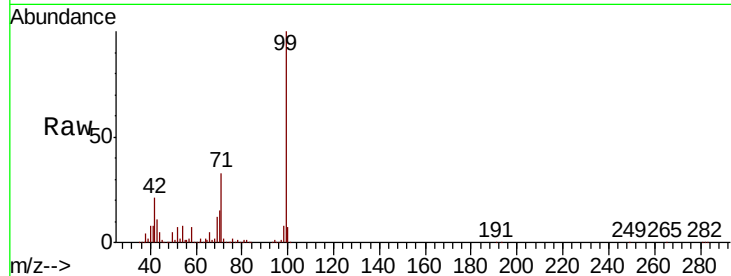
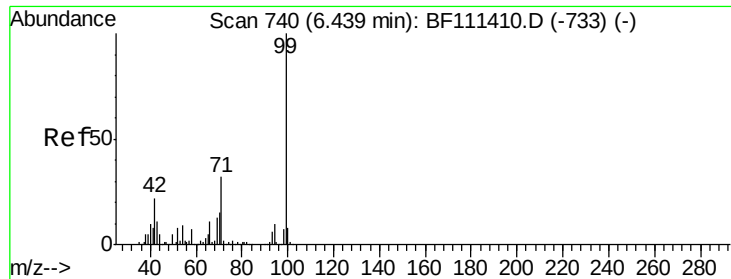
Abundance

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: 100.937 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

Tot Ion: 99 Resp: 1335793

Ion Ratio Lower Upper

99 100

42 21.3 17.4 26.0

71 32.6 26.1 39.1

Instrument :

BNA_F

ClientSampleId :

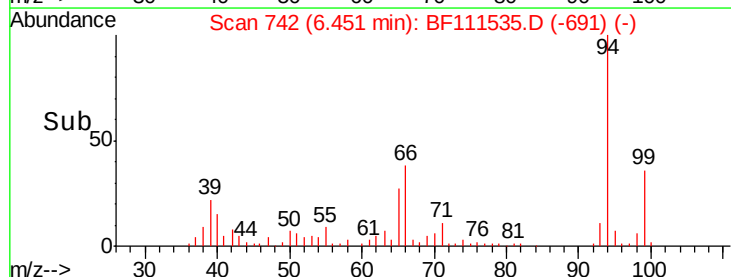
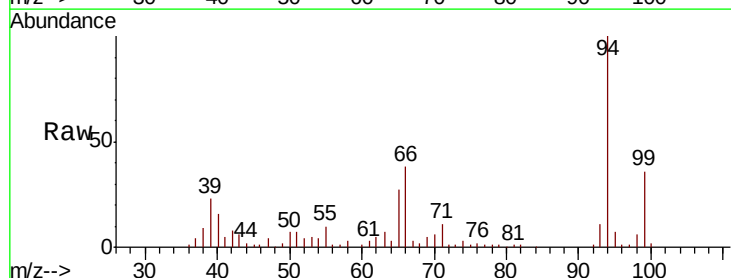
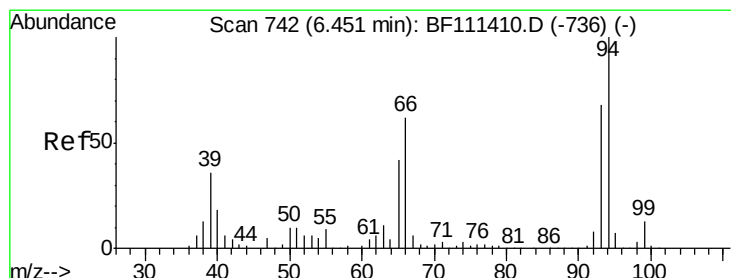
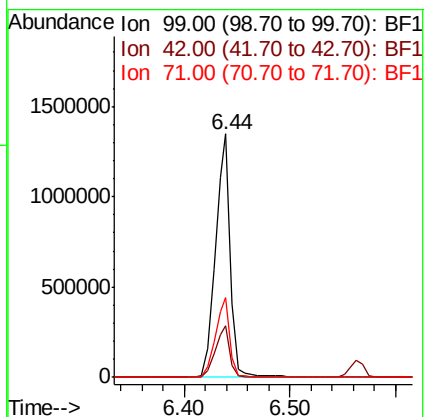
P001-SS006-0006-01

Manual Integrations

APPROVED

Sohil

12/18/2018 12:47:45 PM



#10

Phenol

Concen: 7.012 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

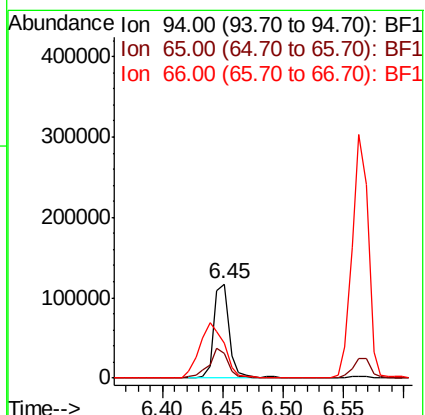
Tgt Ion: 94 Resp: 103372

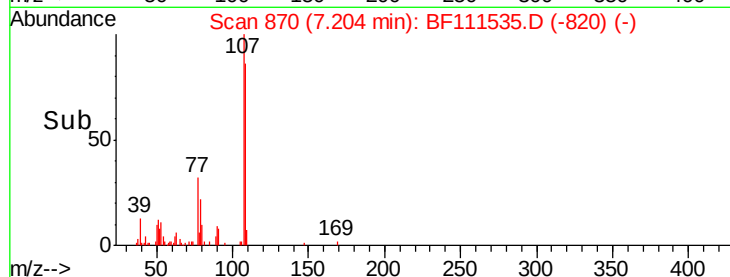
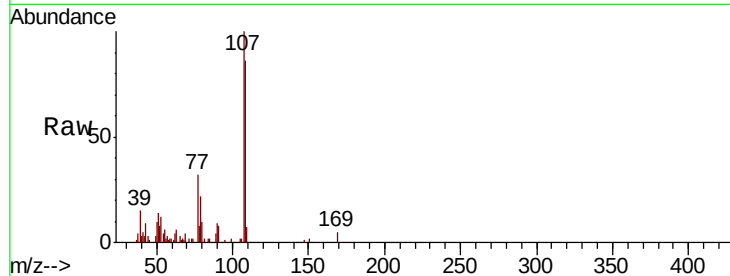
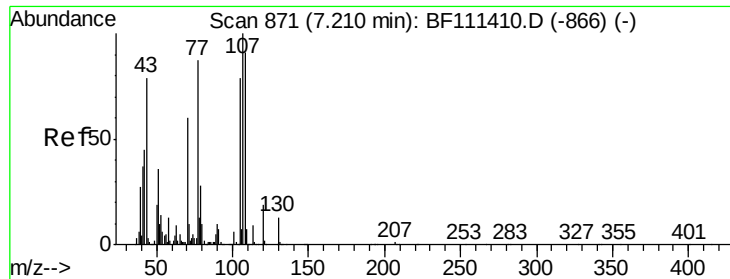
Ion Ratio Lower Upper

94 100

65 26.9 11.7 51.7

66 37.8 21.0 61.0





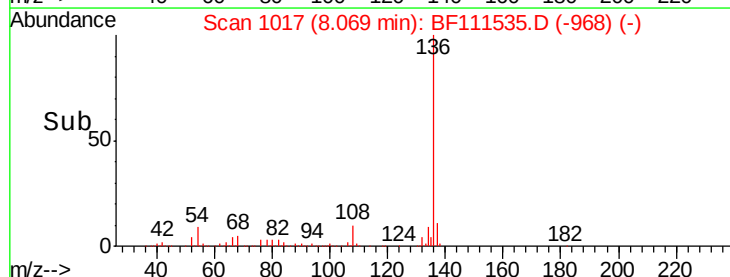
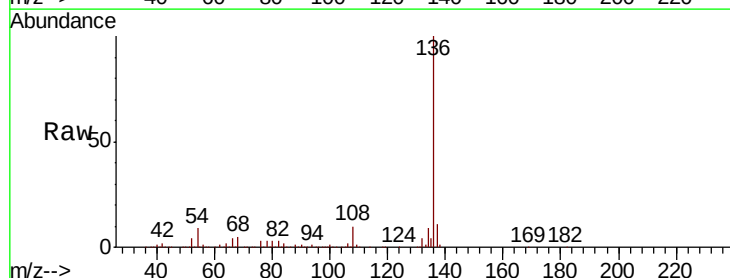
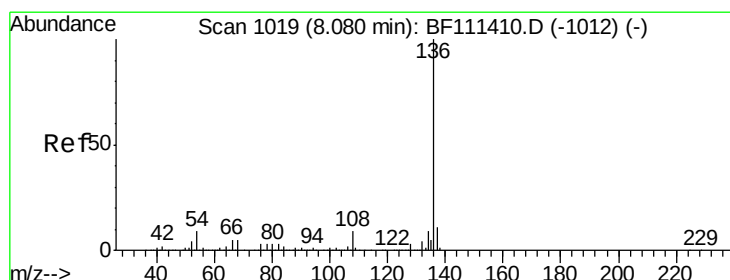
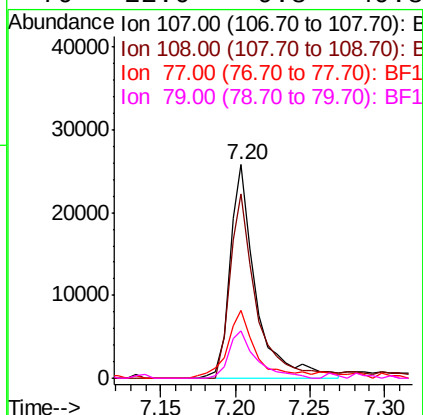
#20
3+4-Methylphenols
Concen: 2.629 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	86.3	72.1	112.1	
77	31.9	94.1	134.1	#
79	22.0	9.8	49.8	

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

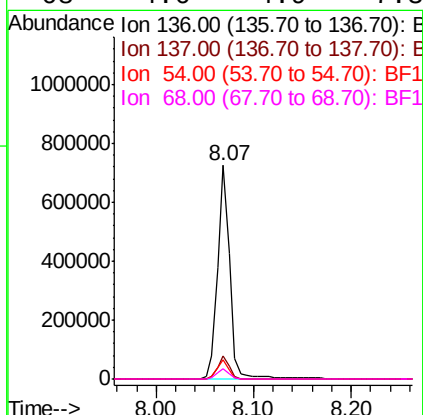
Manual Integrations
APPROVED

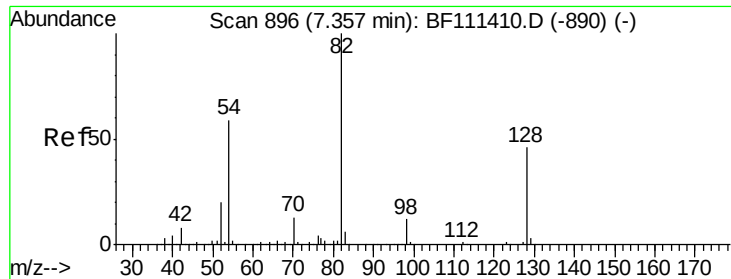
Sohil
12/18/2018 12:47:45 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.1	13.7	
54	9.1	7.7	11.5	
68	4.6	4.9	7.3	#





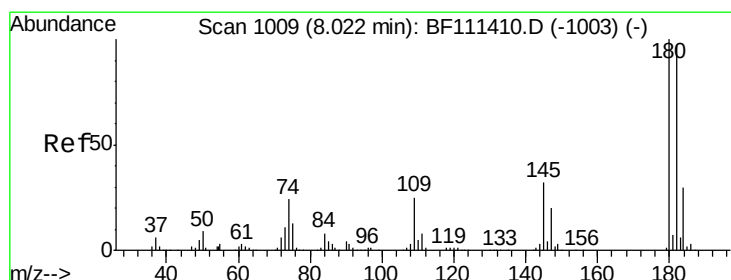
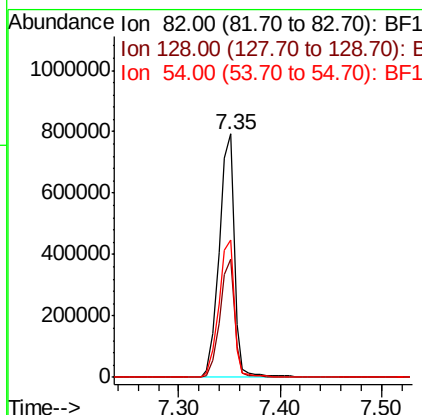
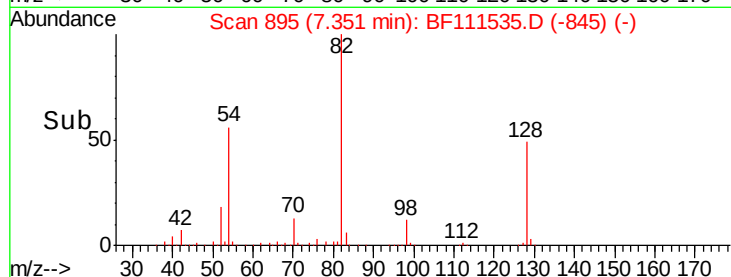
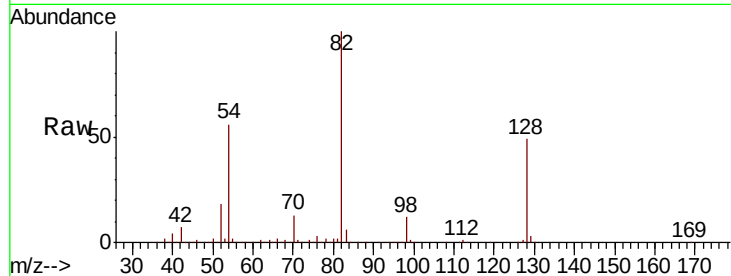
#23
Nitrobenzene-d5
Concen: 78.596 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.4	56.2
54	56.2	47.6	71.4

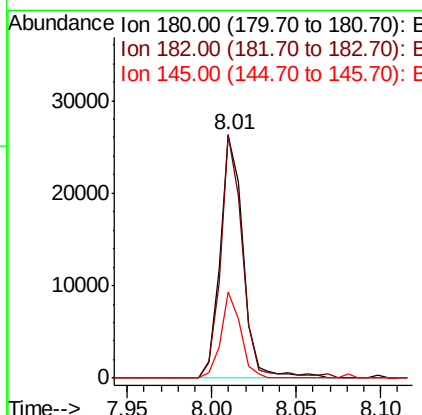
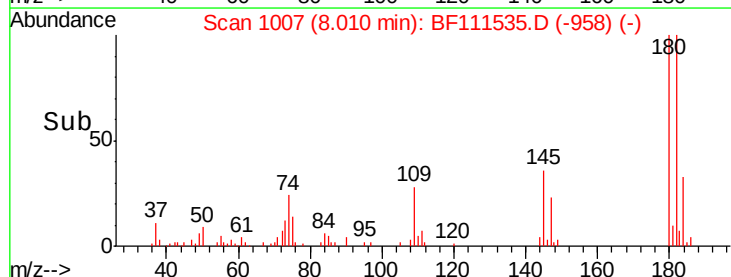
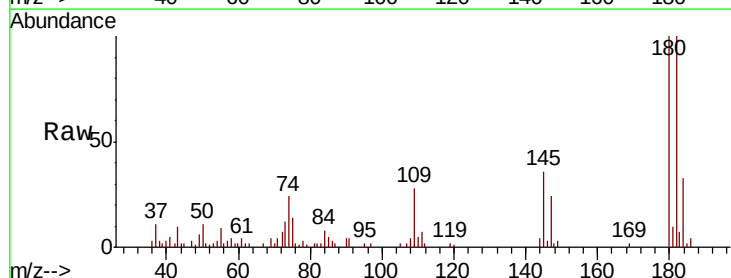
Manual Integrations
APPROVED

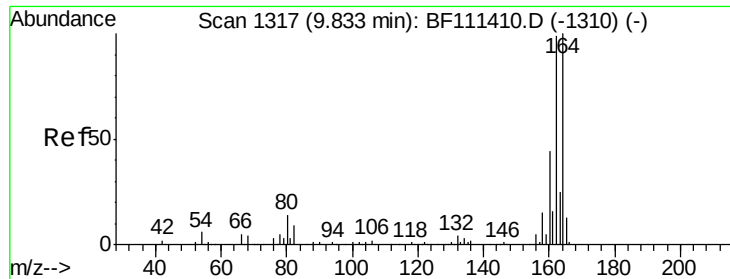
Sohil
12/18/2018 12:47:45 PM



#30
1,2,4-Trichlorobenzene
Concen: 2.745 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.5	75.6	113.4
145	35.8	26.7	40.1





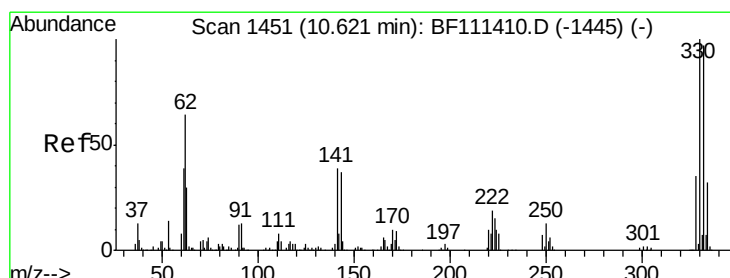
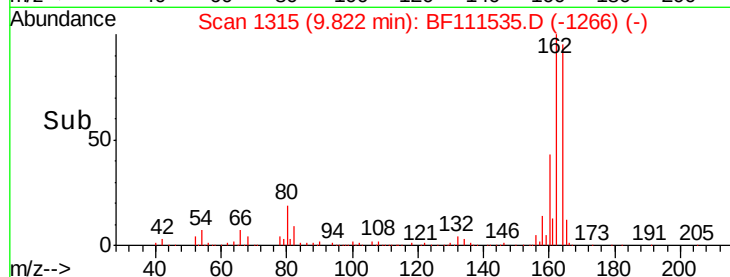
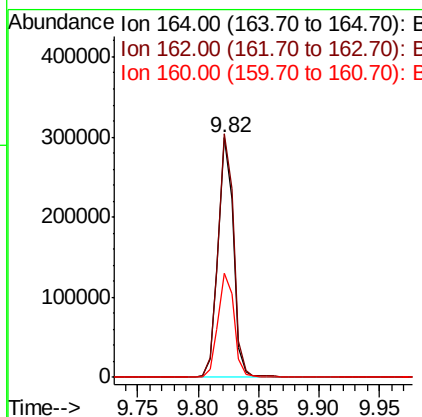
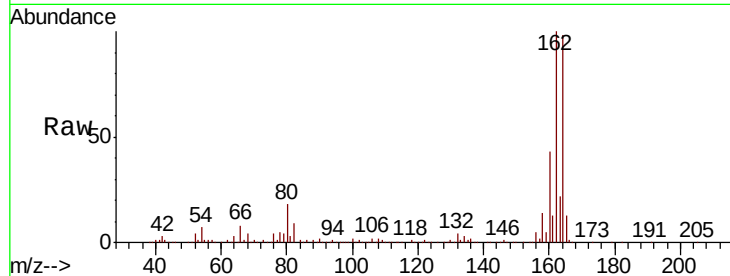
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	81.4	122.0	
160	43.7	35.7	53.5	

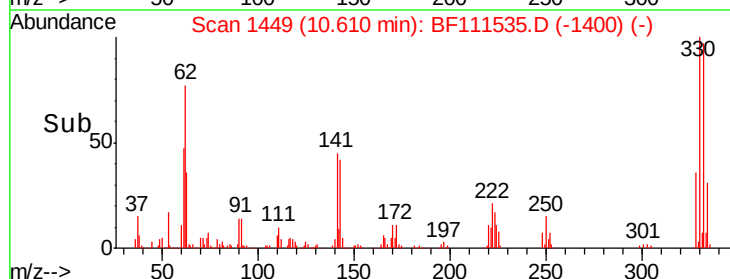
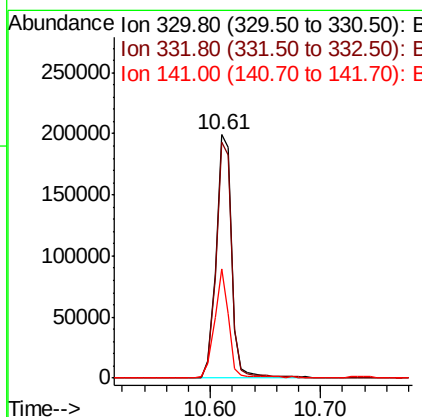
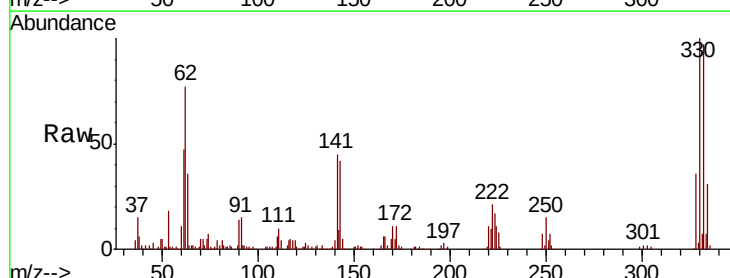
Manual Integrations
APPROVED

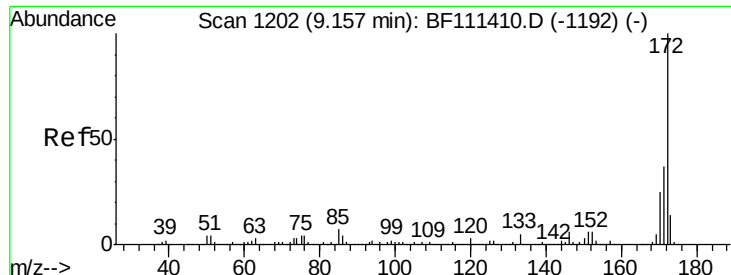
Sohil
12/18/2018 12:47:45 PM



#42
2,4,6-Tribromophenol
Concen: 84.207 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	76.0	114.0	
141	38.9	31.0	46.6	





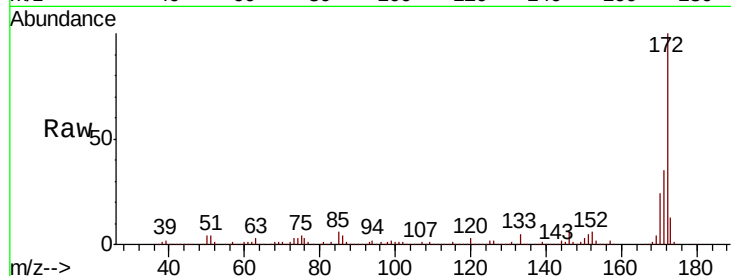
#45
2-Fluorobiphenyl
Concen: 75.588 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	33.0	49.4
170	23.6	22.3	33.5

Manual Integrations
APPROVED

Sohil
12/18/2018 12:47:45 PM

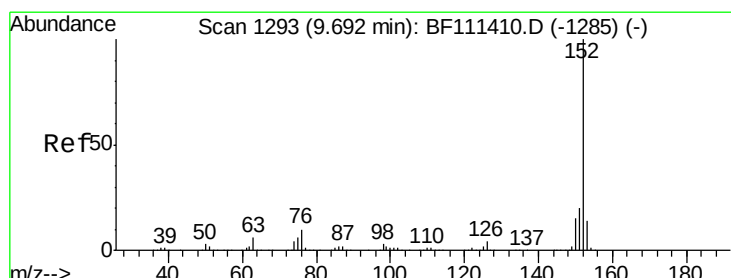
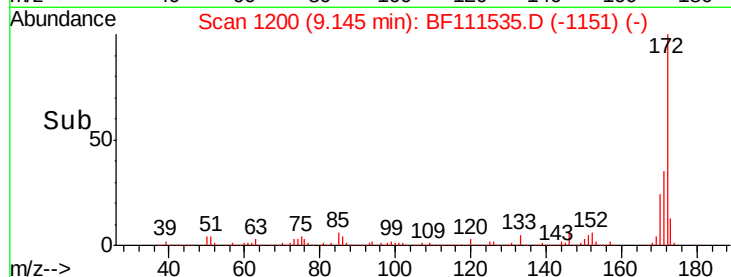
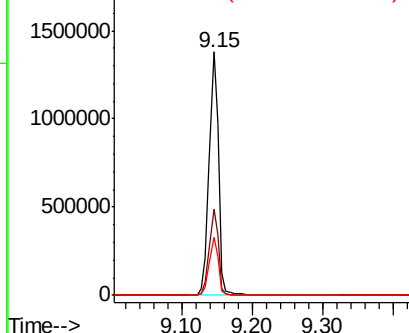


Abundance

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



#49
Acenaphthylene
Concen: 2.280 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

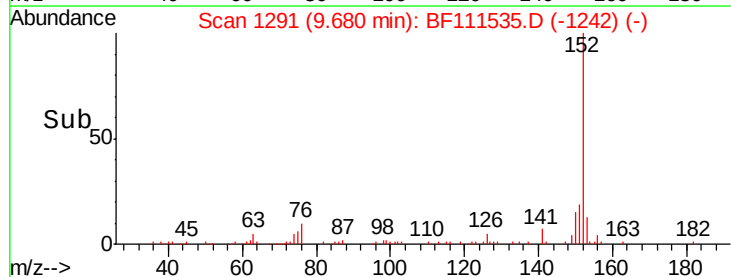
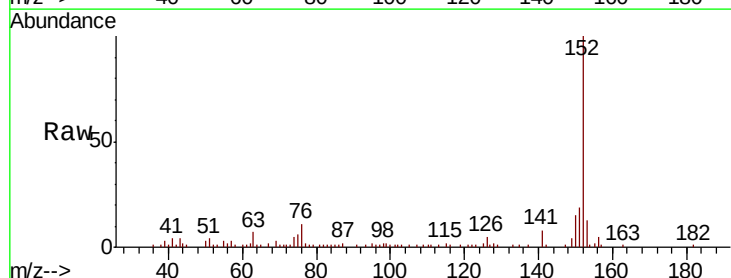
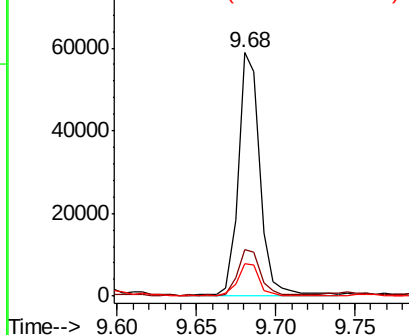
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	18.0	27.0
153	13.3	12.3	18.5

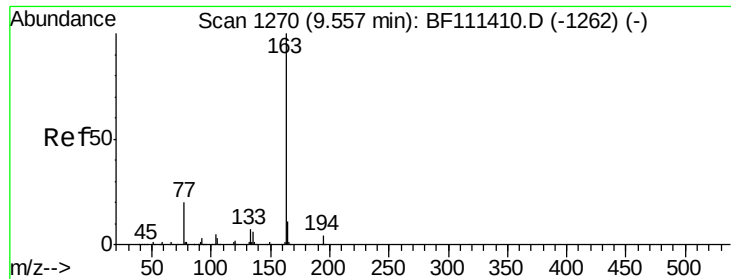
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





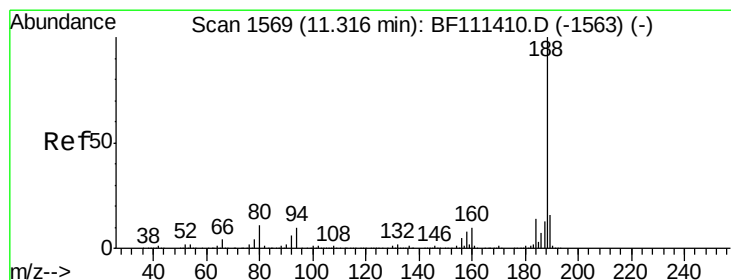
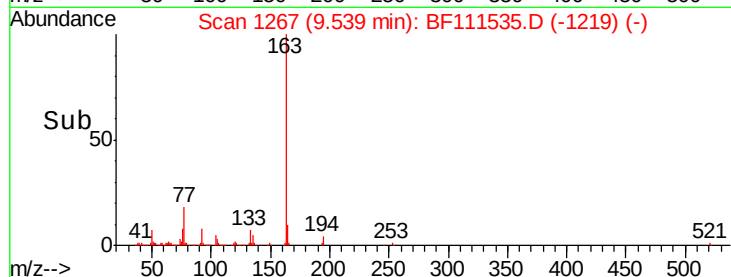
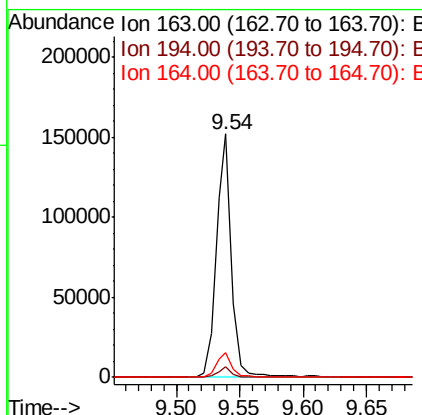
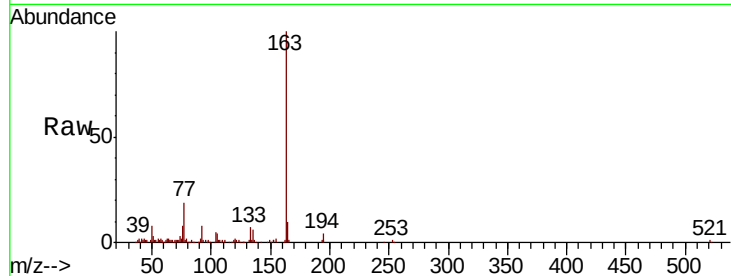
#50
Dimethylphthalate
Concen: 6.811 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.4	3.0	4.6	
164	10.4	8.9	13.3	

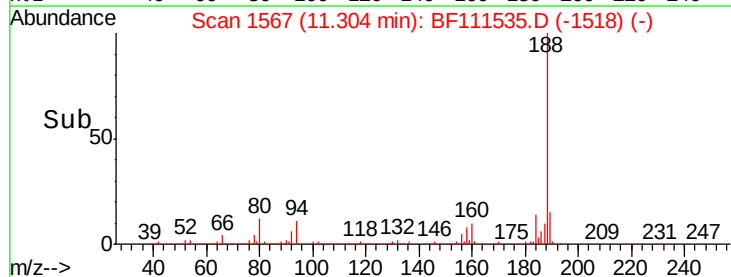
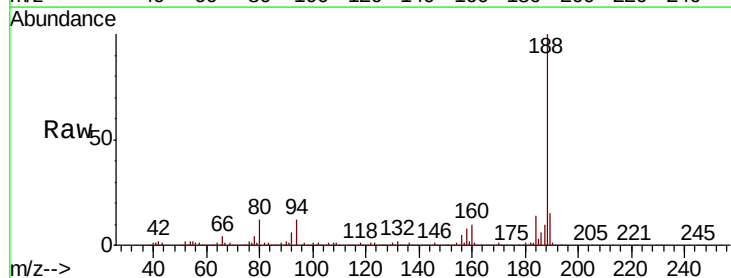
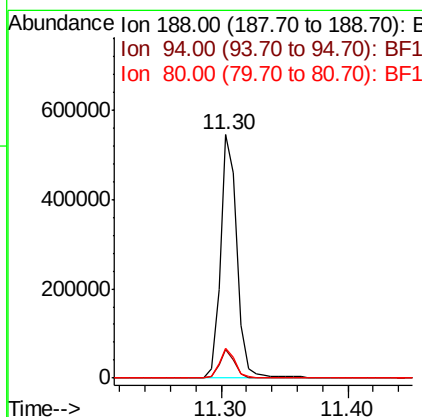
Manual Integrations
APPROVED

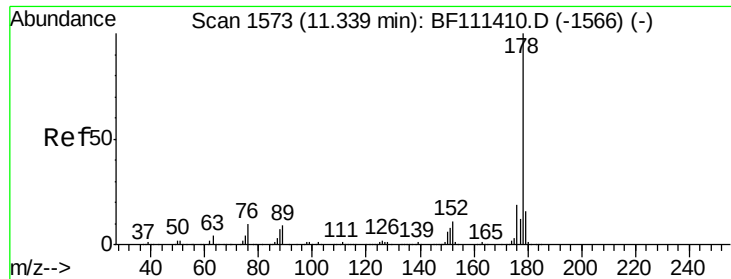
Sohil
12/18/2018 12:47:45 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.5	9.6	14.4	
80	12.1	9.8	14.6	





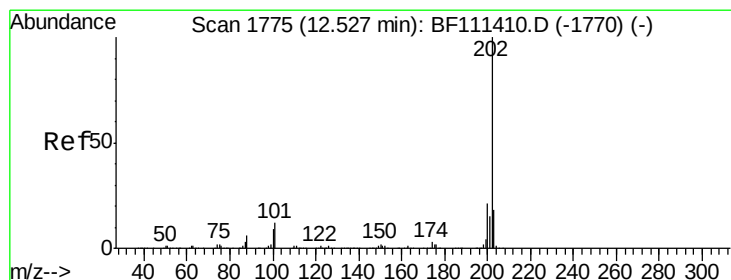
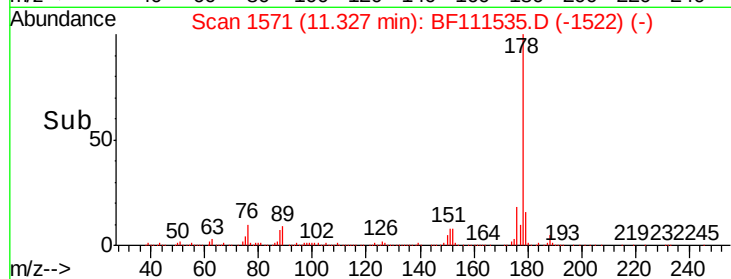
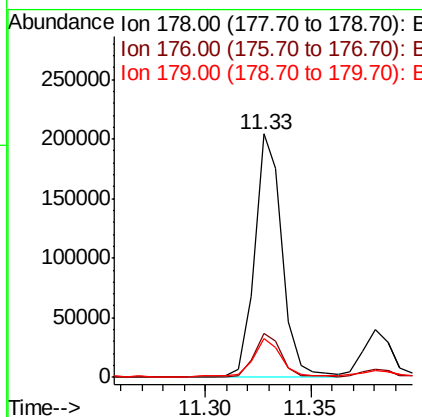
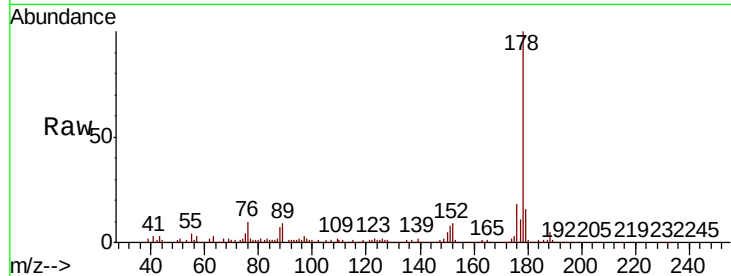
#71
Phenanthrene
Concen: 7.165 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	18.1	27.1#
179	16.1	14.0	21.0

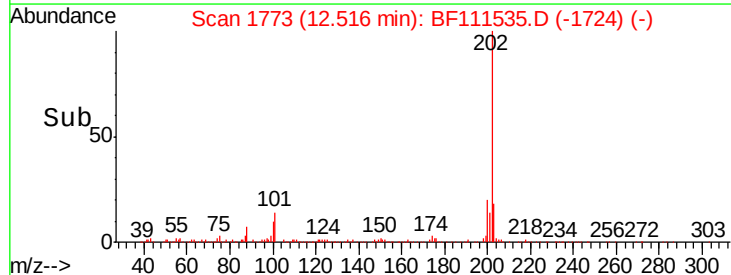
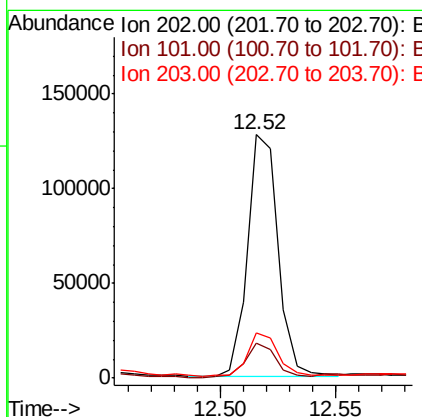
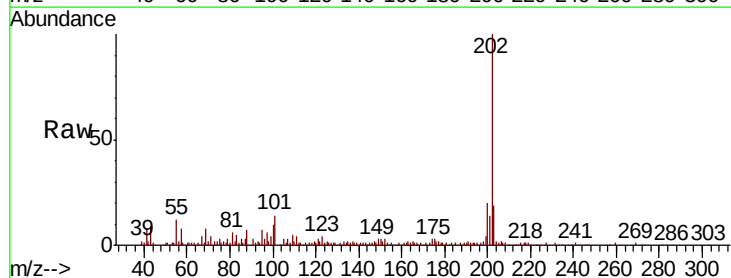
Manual Integrations
APPROVED

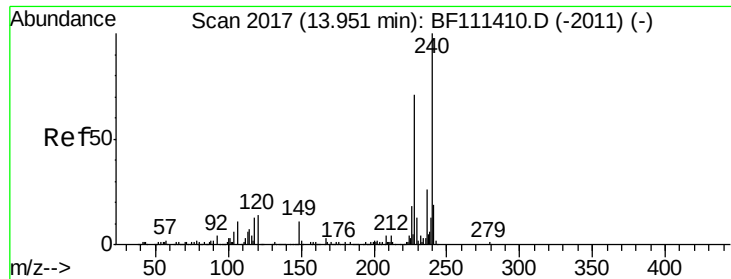
Sohil
12/18/2018 12:47:45 PM



#75
Fluoranthene
Concen: 4.746 ng
RT: 12.52 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.8
203	18.7	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

Instrument :

BNA_F

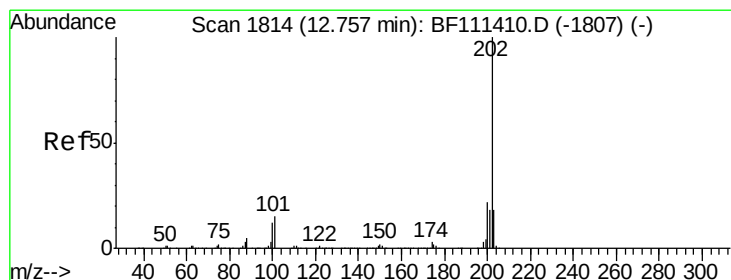
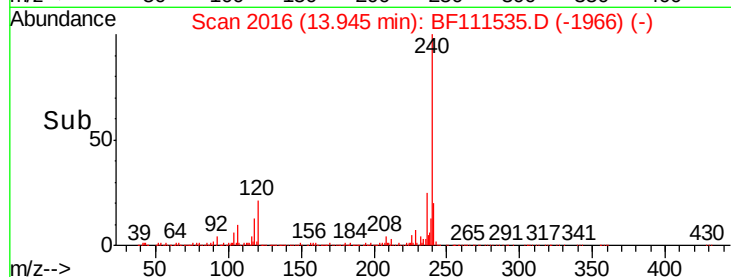
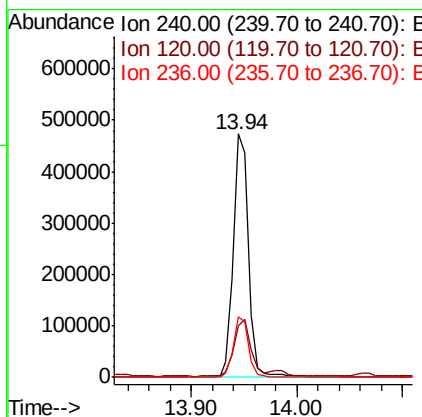
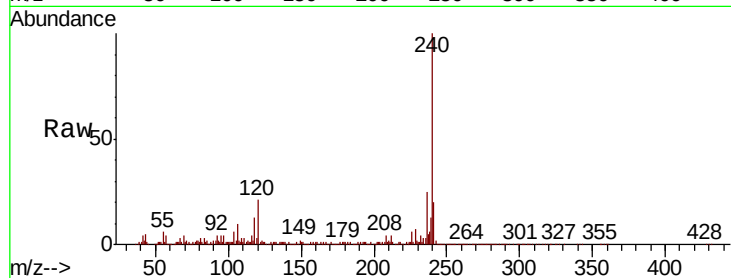
ClientSampleId :

P001-SS006-0006-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	21.4	12.2	18.2#
236	24.9	20.2	30.2

Manual Integrations
APPROVED

Sohil
12/18/2018 12:47:45 PM



#78

Pyrene

Concen: 6.471 ng

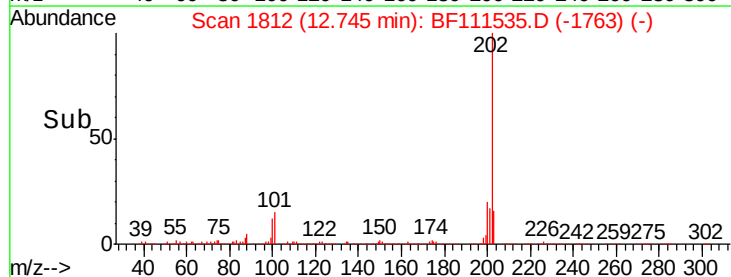
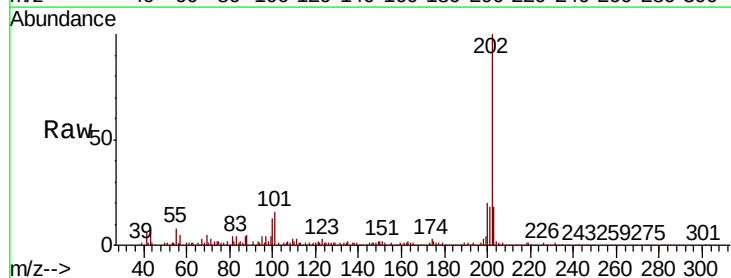
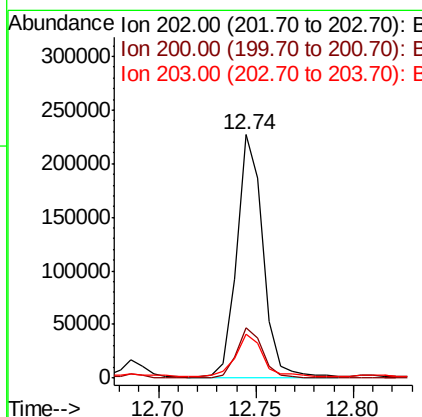
RT: 12.74 min Scan# 1812

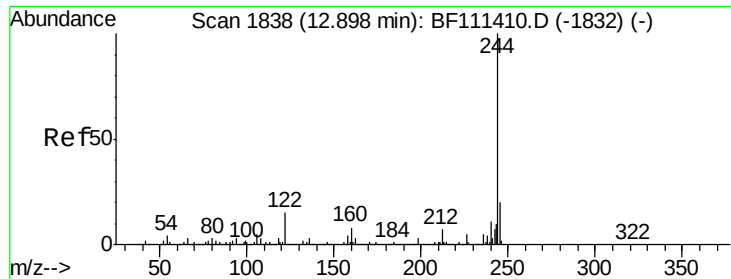
Delta R.T. -0.01 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	19.0	28.4
203	18.0	15.2	22.8





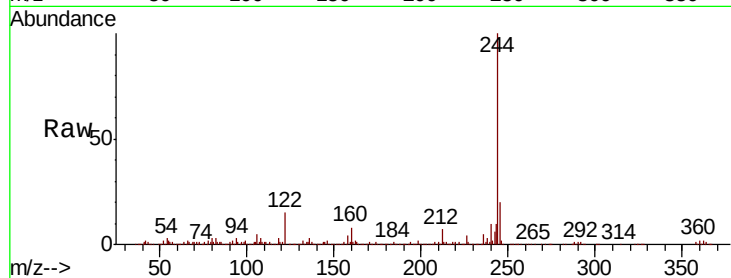
#79
 Terphenyl-d14
 Concen: 58.943 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0006-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	15.1	13.1	19.7

Manual Integrations
 APPROVED

Sohil
 12/18/2018 12:47:45 PM

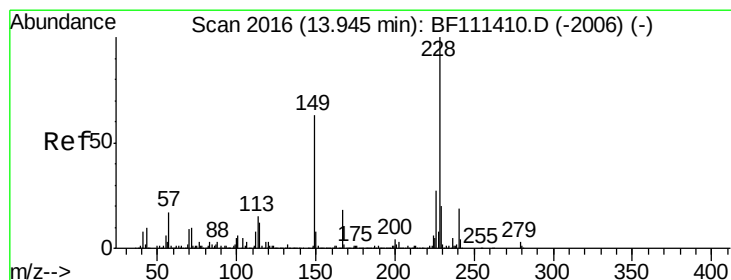
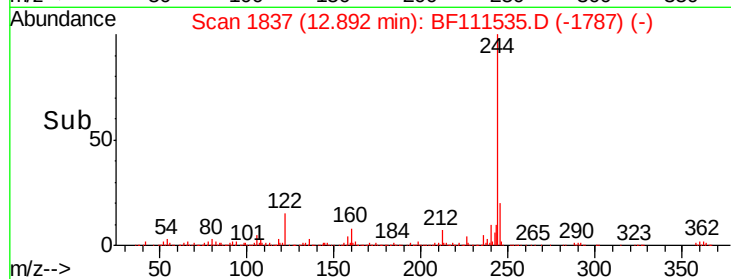
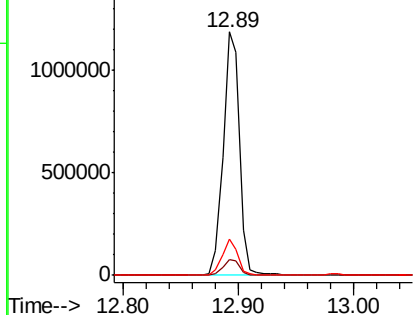


Abundance

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



#81
 Benzo(a)anthracene
 Concen: 2.980 ng m
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

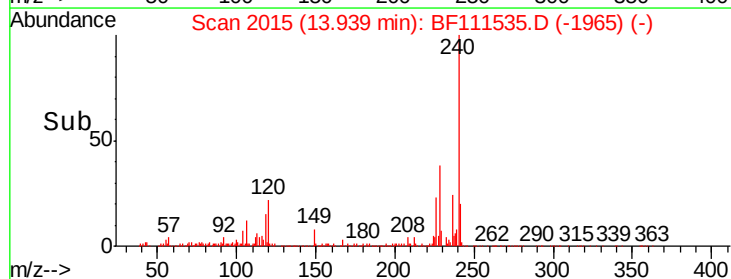
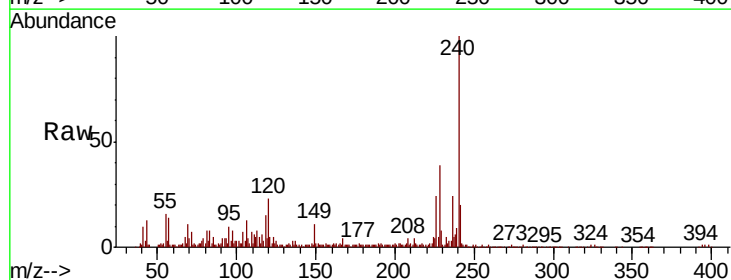
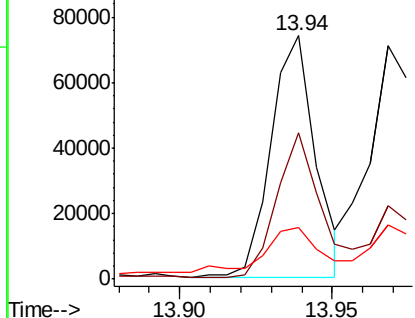
Tgt Ion	Ratio	Lower	Upper
228	100		
226	60.1	22.6	34.0#
229	21.1	16.3	24.5

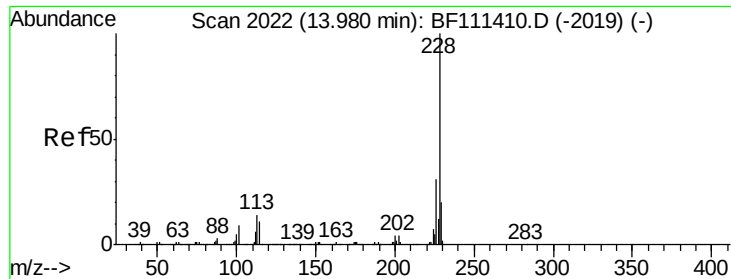
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





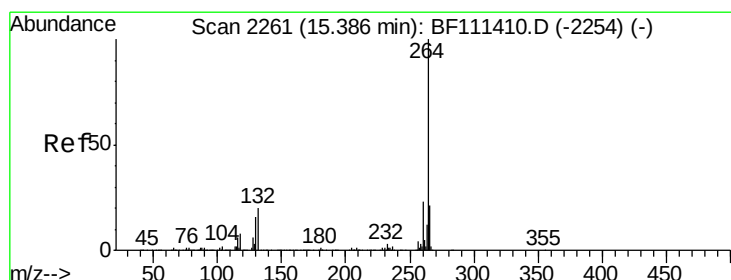
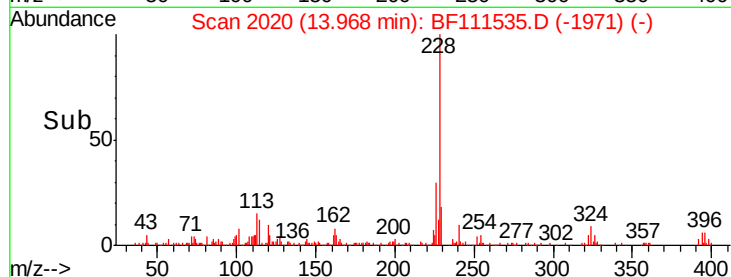
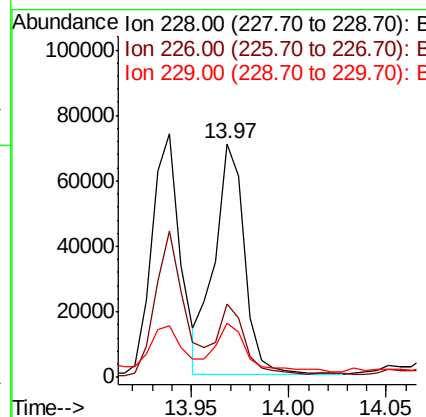
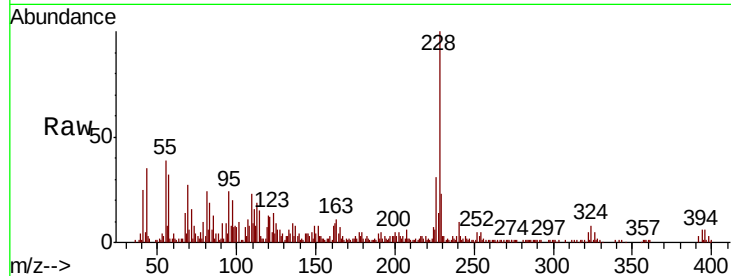
#83
Chrysene
Concen: 2.883 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.3	37.9
229	23.0	17.2	25.8

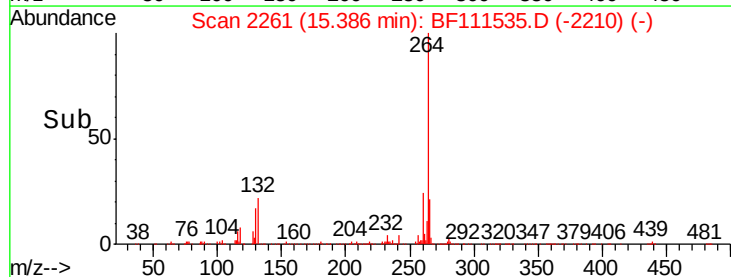
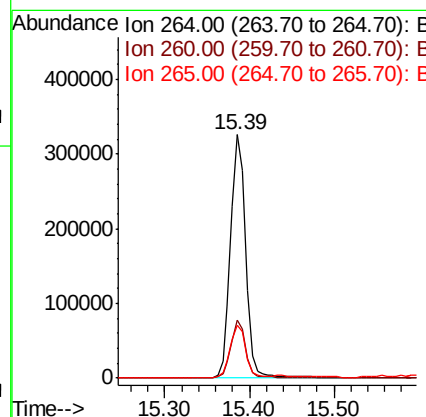
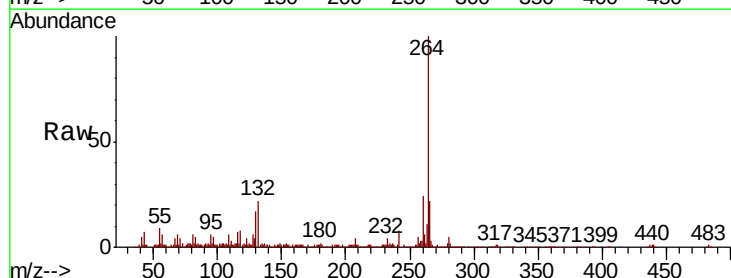
Manual Integrations
APPROVED

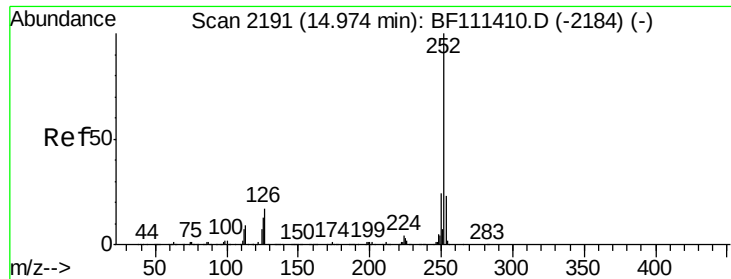
Sohil
12/18/2018 12:47:45 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	21.7	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 2.919 ng/mL

RT: 14.97 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

Instrument :

BNA_F

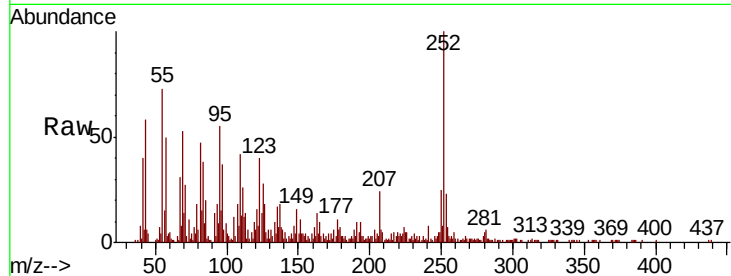
ClientSampleId :

P001-SS006-0006-01

Tot Ion:	252	Resp:	69246
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	28.0	10.4	15.6

Manual Integrations
APPROVED

Sohil
12/18/2018 12:47:45 PM

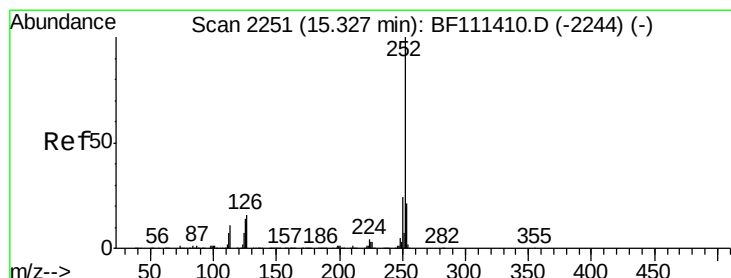
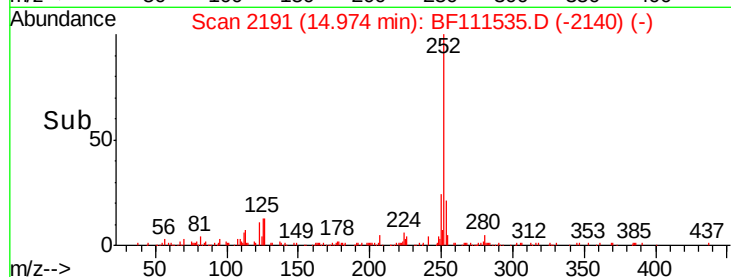
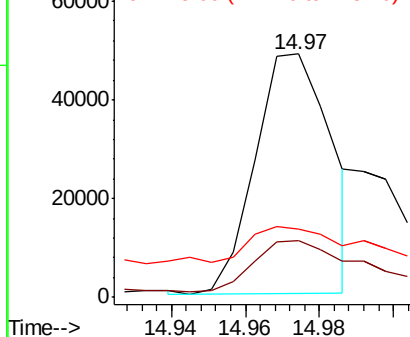


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 3.334 ng/mL

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

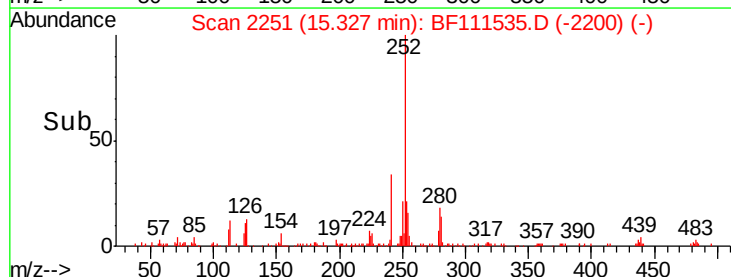
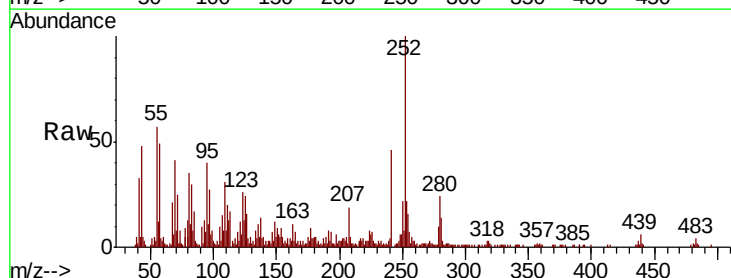
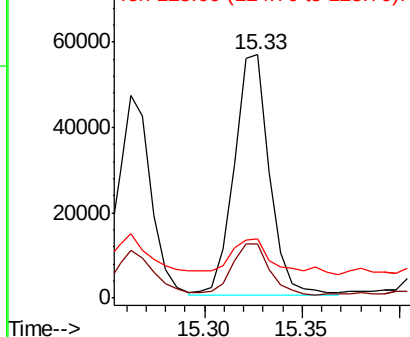
Tgt Ion:	252	Resp:	71315
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.8
125	24.3	12.3	18.5

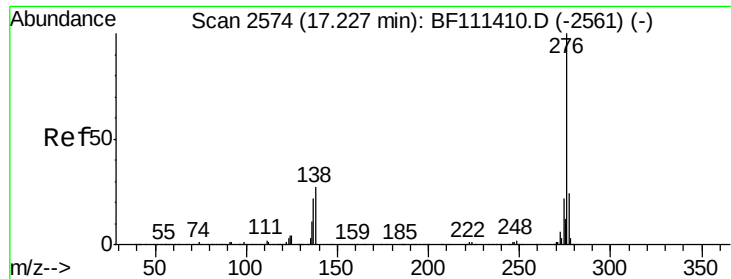
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 2.004 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0006-01

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	31.2	19.2	28.8	#
138	32.3	24.9	37.3	

Manual Integrations
 APPROVED

Sohil
 12/18/2018 12:47:45 PM

