

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111727.D
 Acq On : 26 Dec 2018 21:30
 Operator : JU/SJ
 Sample : J6386-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS008-0006-01

Manual Integrations
 APPROVED

Sohil
 12/27/2018 1:58:24 PM

Quant Time: Dec 27 11:52:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	210464	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	728212	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	302864	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	489425	20.00	ng	0.00
76) Chrysene-d12	14.06	240	463841	20.00	ng	0.01
87) Perylene-d12	15.54	264	331613	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1187269	96.16	ng	0.02
7) Phenol-d6	6.54	99	1504947	95.77	ng	0.02
23) Nitrobenzene-d5	7.46	82	965380	77.17	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	313969	87.74	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1422136	68.44	ng	0.00
79) Terphenyl-d14	13.00	244	1137296	46.50	ng	0.00
Target Compounds						
10) Phenol	6.55	94	123651	6.974	ng	96
20) 3+4-Methylphenols	7.30	107	33369	2.411	ng	# 58
32) Benzoic acid	7.92	122	71266	10.282	ng	97
49) Acenaphthylene	9.80	152	92662	3.133	ng	97
50) Dimethylphthalate	9.65	163	118828	5.365	ng	98
71) Phenanthrene	11.45	178	294060	11.329	ng	94
72) Anthracene	11.50	178	58367m	2.240	ng	
75) Fluoranthene	12.63	202	208873	7.947	ng	93
78) Pyrene	12.86	202	359853	10.986	ng	96
81) Benzo(a)anthracene	14.05	228	128873m	4.868	ng	
83) Chrysene	14.09	228	126027	4.844	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	36335	2.160	ng	# 99
88) Benzo(b)fluoranthene	15.11	252	101449m	5.235	ng	
90) Benzo(a)pyrene	15.48	252	91069	5.172	ng	95
92) Benzo(a,h,i)perylene	17.48	276	58278	3.871	ng	# 88

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

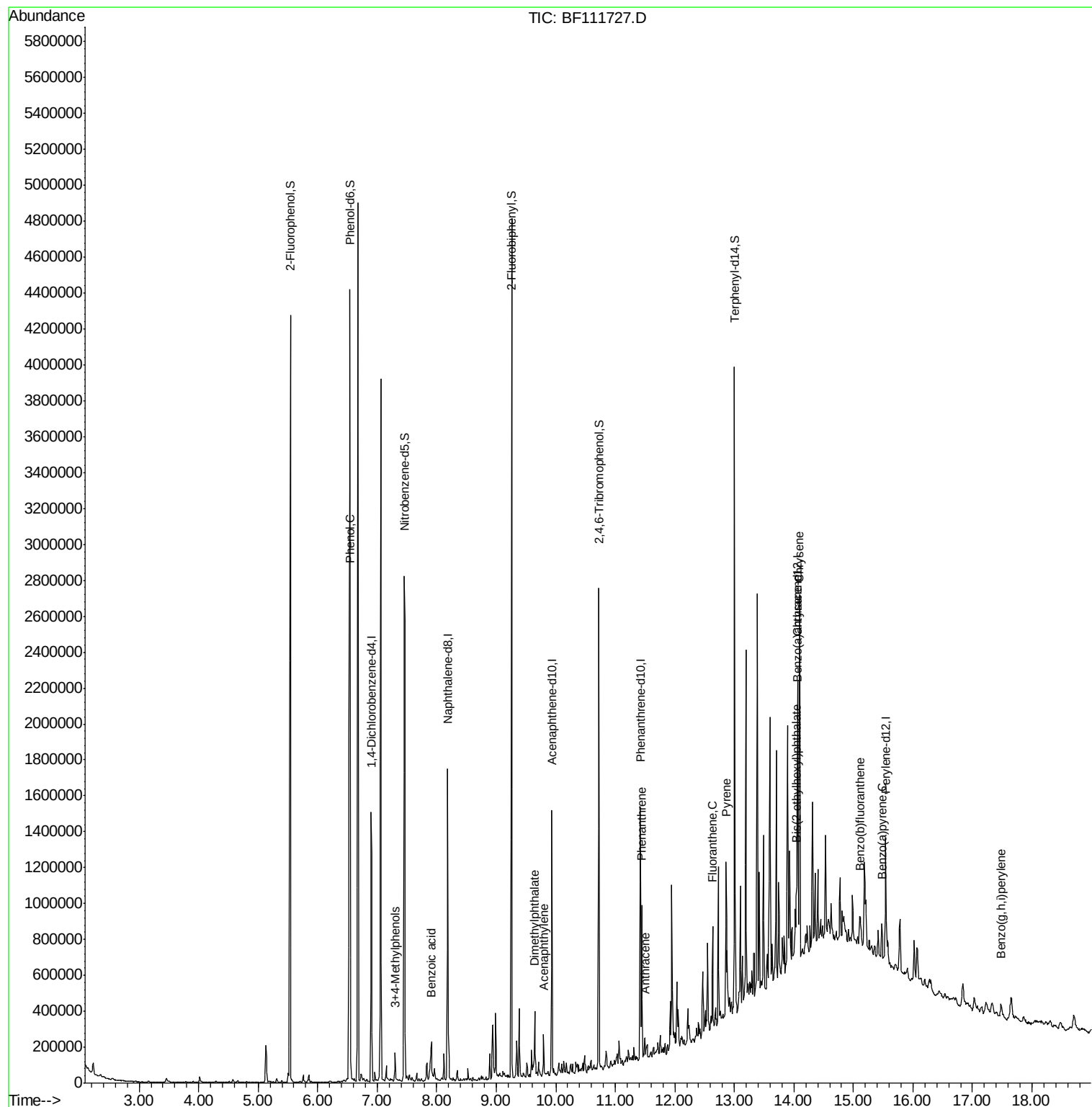
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111727.D
Acq On : 26 Dec 2018 21:30
Operator : JU/SJ
Sample : J6386-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

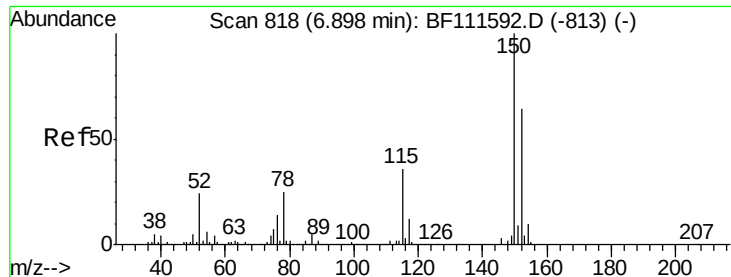
Instrument :
BNA_F
ClientSampleId :
P001-SS008-0006-01

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 PM

Quant Time: Dec 27 11:52:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration





#1

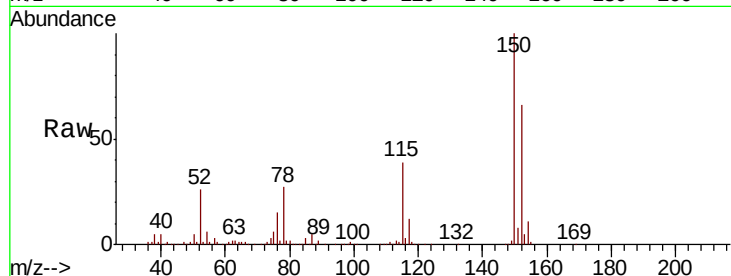
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.6	189.8
115	59.3	50.7	76.1

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 PM

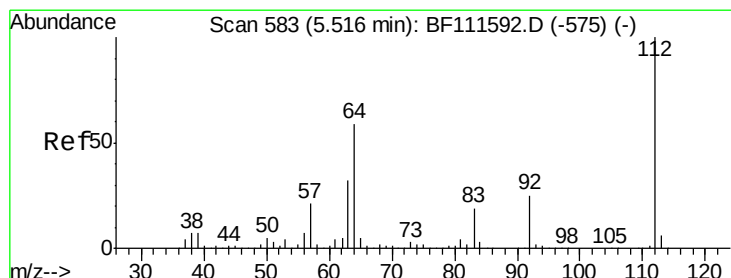
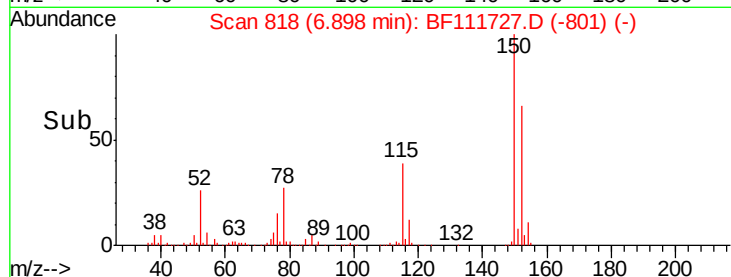
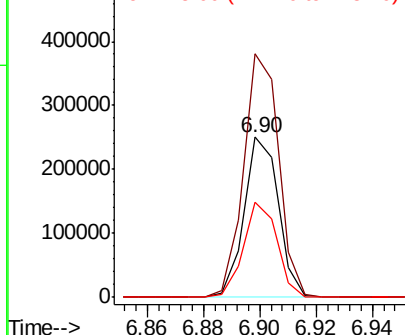


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

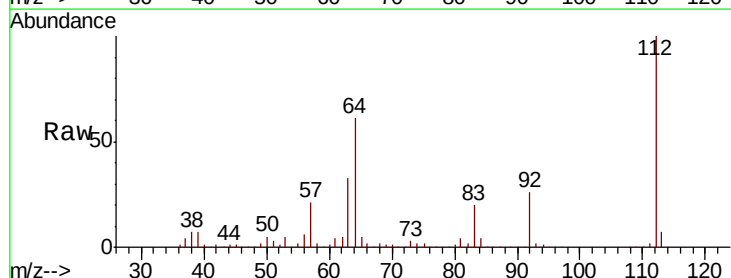
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.156 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	51.8	77.6
63	33.5	26.8	40.2

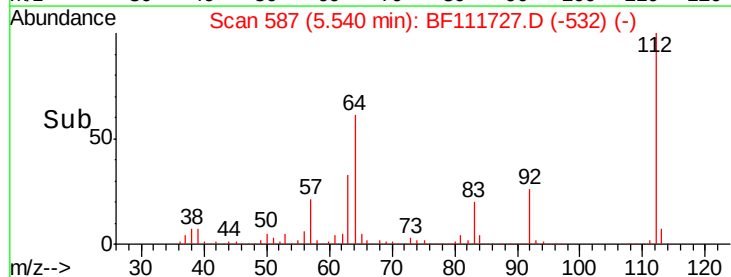
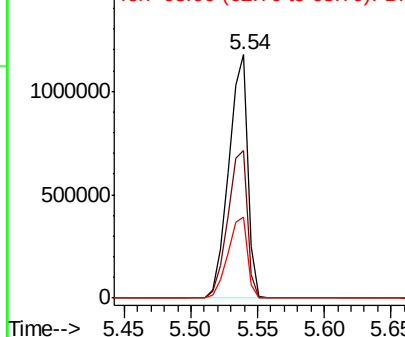


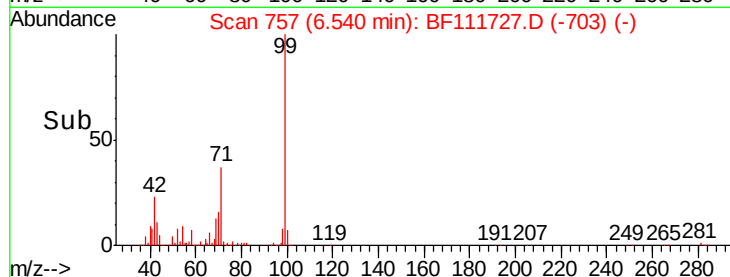
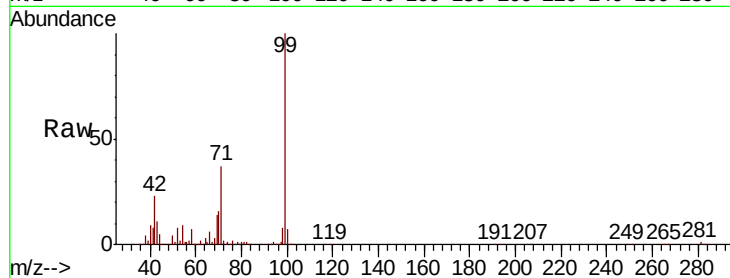
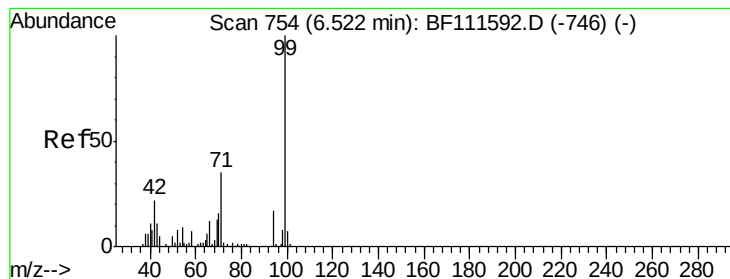
Abundance

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: 95.772 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111727.D

Acq: 26 Dec 2018 21:30

Tot Ion:	99	Resp:	1504947
Ion	Ratio	Lower	Upper
99	100		
42	23.0	17.4	26.0
71	37.4	26.1	39.1

Instrument :

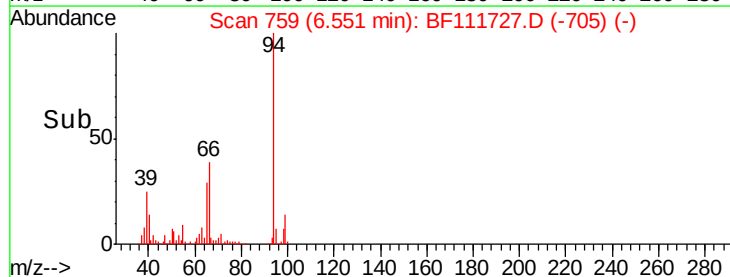
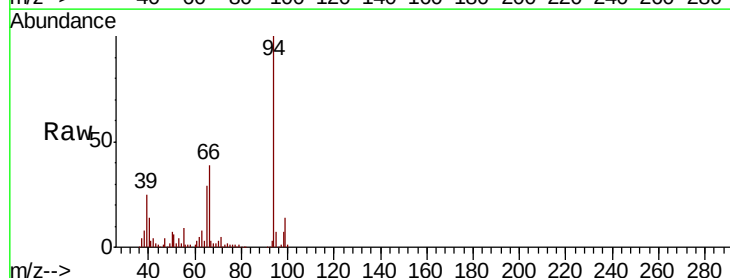
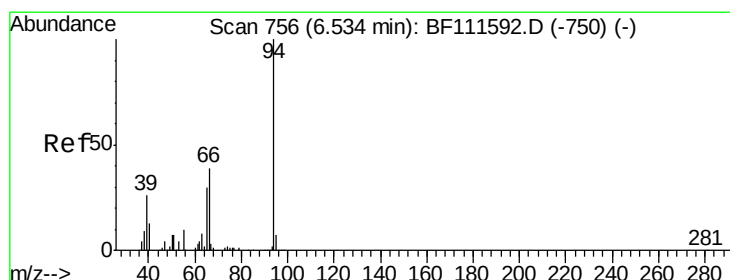
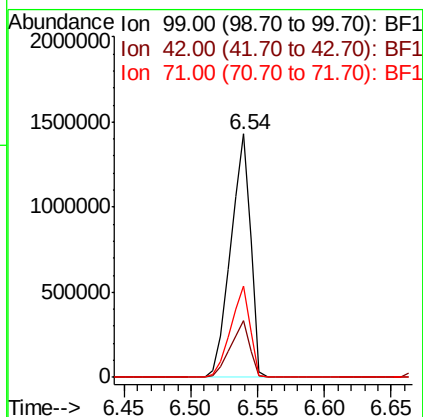
BNA_F

ClientSampleId :

P001-SS008-0006-01

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 PM



#10

Phenol

Concen: 6.974 ng

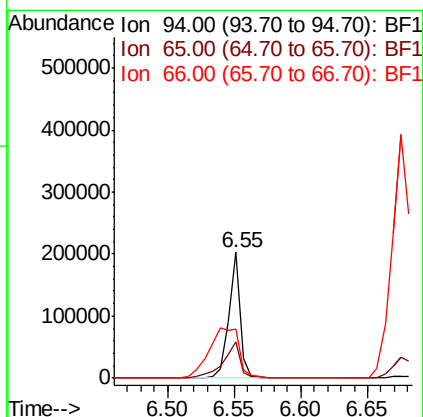
RT: 6.55 min Scan# 759

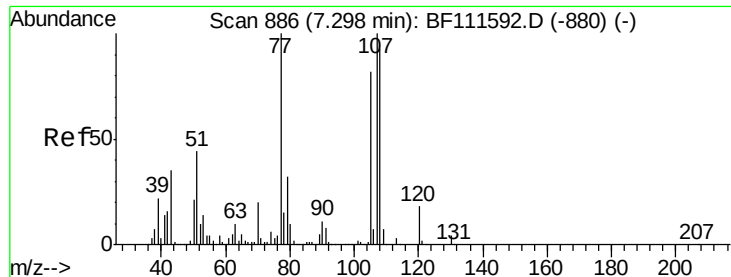
Delta R.T. 0.02 min

Lab File: BF111727.D

Acq: 26 Dec 2018 21:30

Tgt Ion:	94	Resp:	123651
Ion	Ratio	Lower	Upper
94	100		
65	28.8	11.7	51.7
66	39.1	21.0	61.0





#20

3+4-Methylphenols

Concen: 2.411 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF111727.D

Acq: 26 Dec 2018 21:30

Instrument :

BNA_F

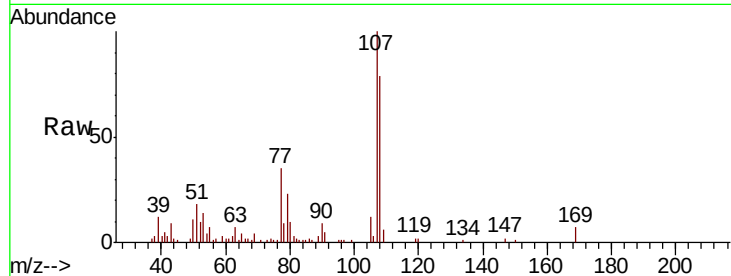
ClientSampleId :

P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
107	100		
108	78.9	72.1	112.1
77	35.2	94.1	134.1#
79	22.7	9.8	49.8

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 PM



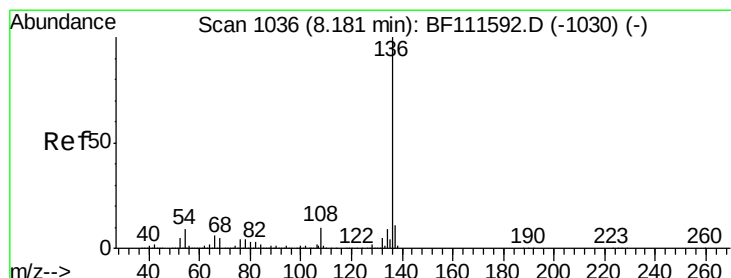
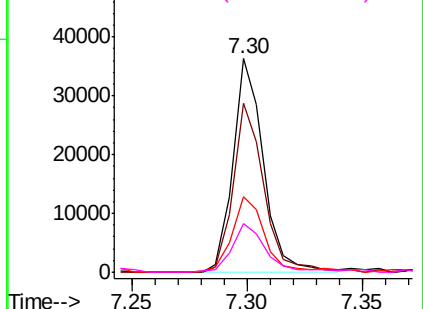
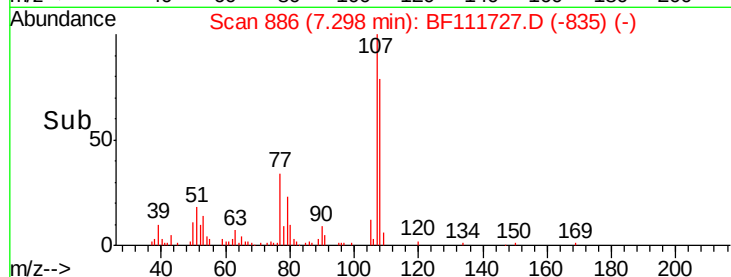
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

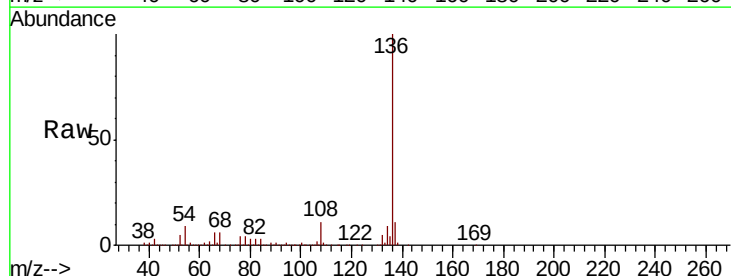
RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF111727.D

Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.4	7.7	11.5
68	5.8	4.9	7.3



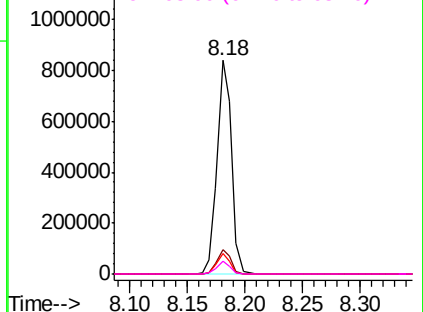
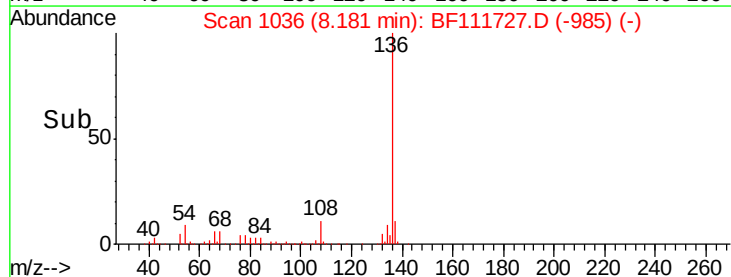
Abundance

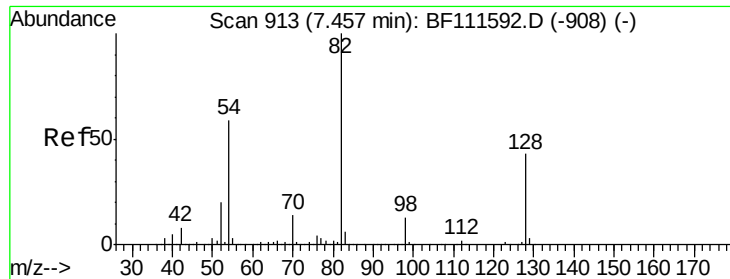
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





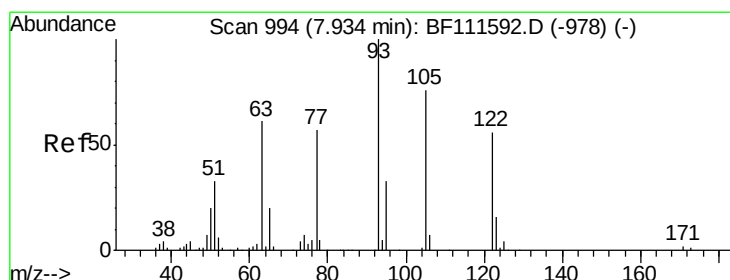
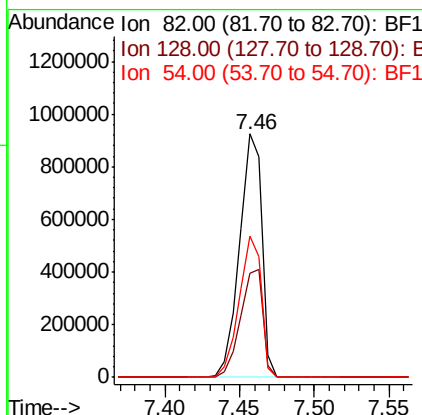
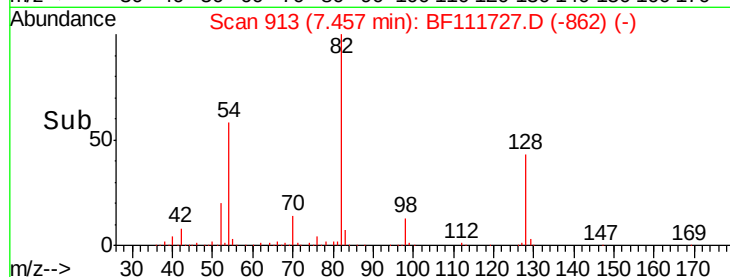
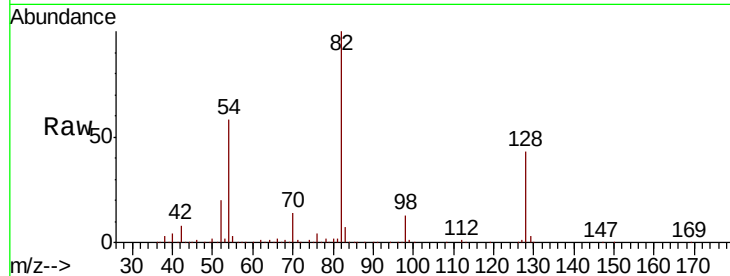
#23
 Nitrobenzene-d5
 Concen: 77.165 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF111727.D
 Acq: 26 Dec 2018 21:30

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	37.4	56.2
54	57.8	47.6	71.4

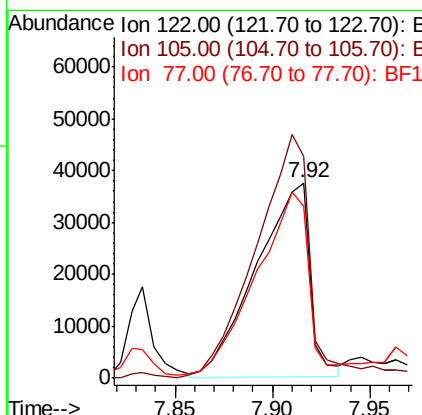
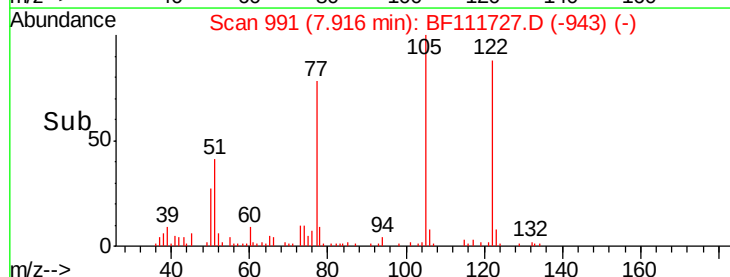
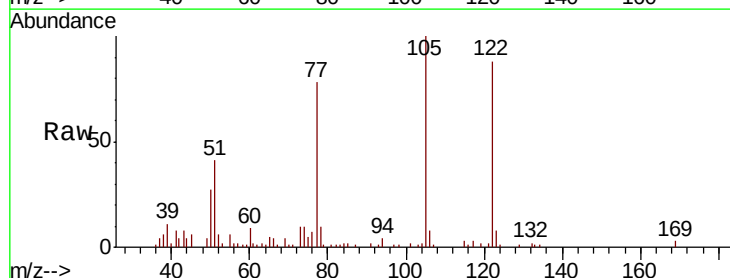
Manual Integrations
 APPROVED

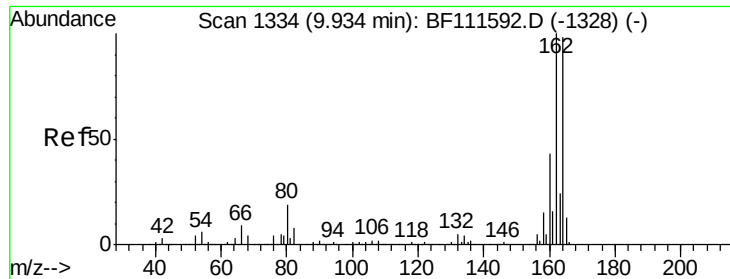
Sohil
 12/27/2018 1:58:24 PM



#32
 Benzoic acid
 Concen: 10.282 ng
 RT: 7.92 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: BF111727.D
 Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
122	100		
105	113.5	97.0	137.0
77	88.2	65.7	105.7





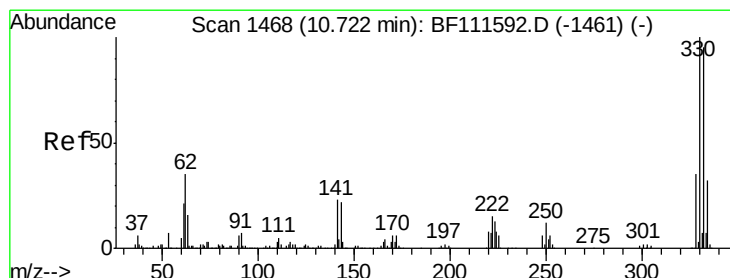
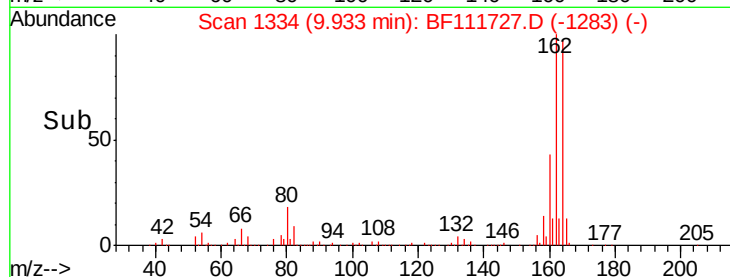
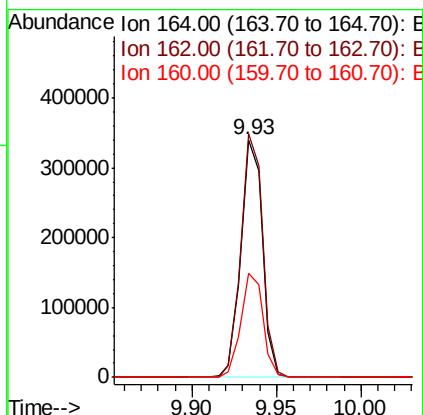
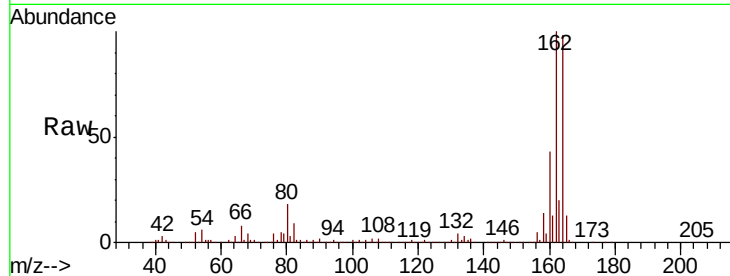
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.4	122.0
160	43.8	35.7	53.5

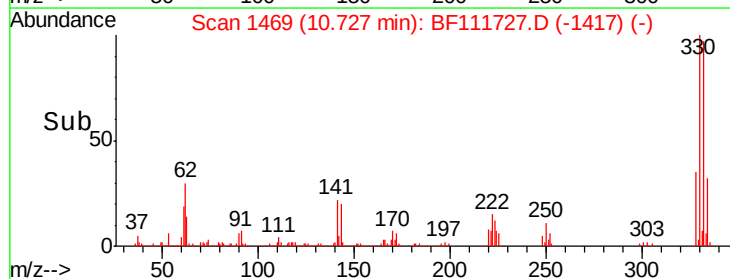
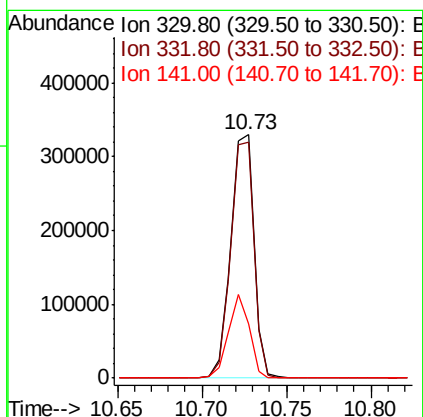
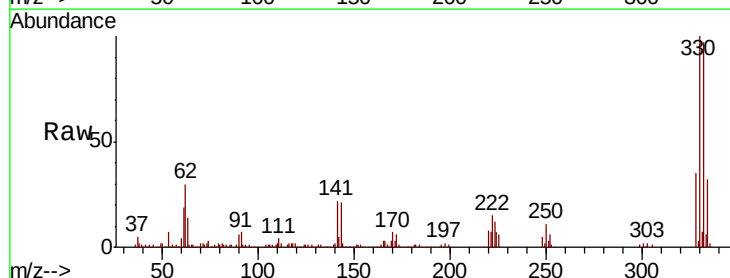
Manual Integrations
APPROVED

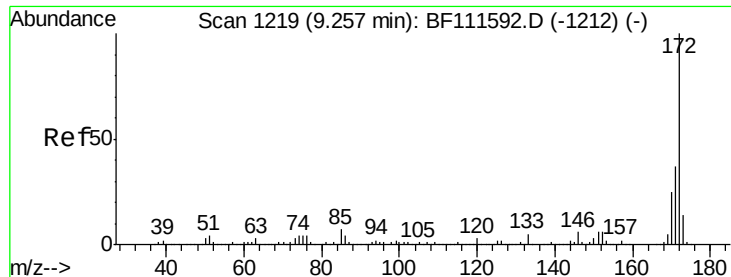
Sohil
12/27/2018 1:58:24 PM



#42
2,4,6-Tribromophenol
Concen: 87.736 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.0	114.0
141	30.5	31.0	46.6#





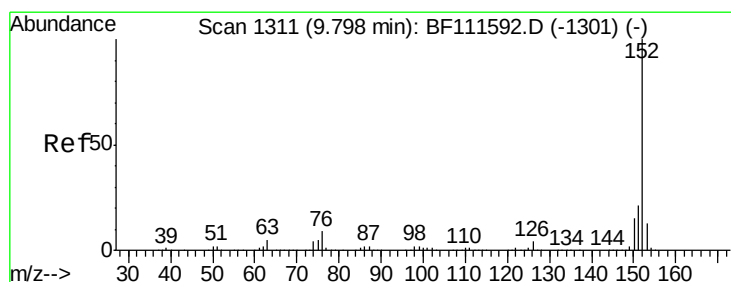
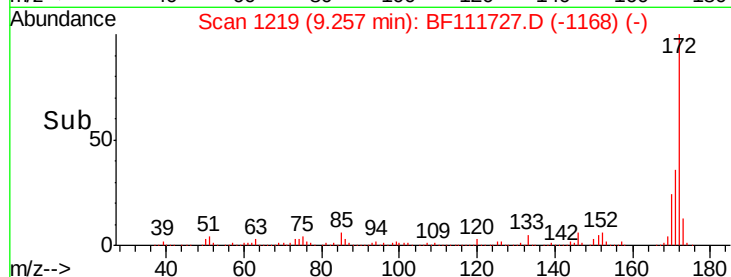
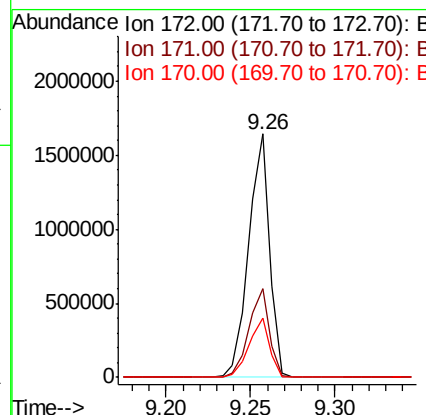
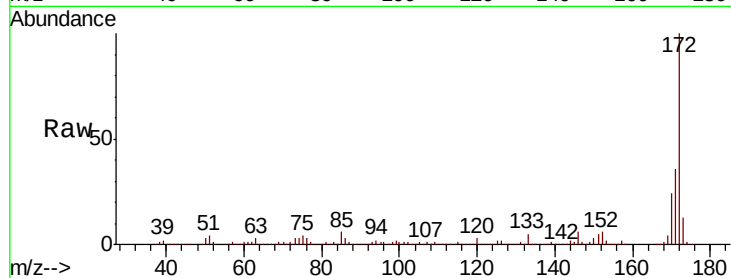
#45
2-Fluorobiphenyl
Concen: 68.442 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	33.0	49.4
170	24.3	22.3	33.5

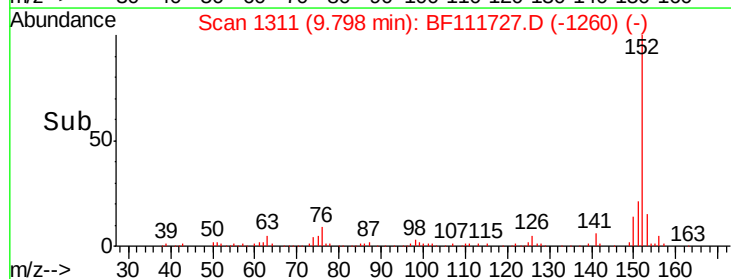
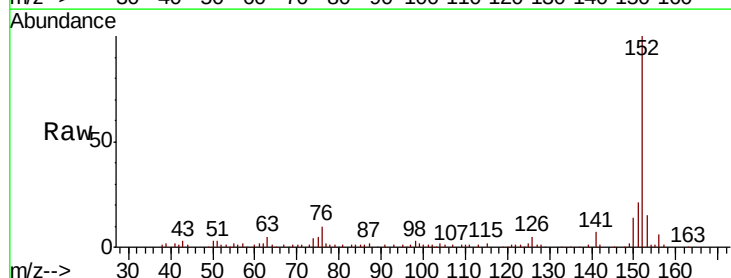
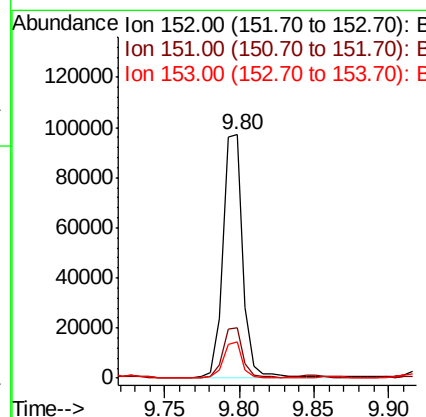
Manual Integrations
APPROVED

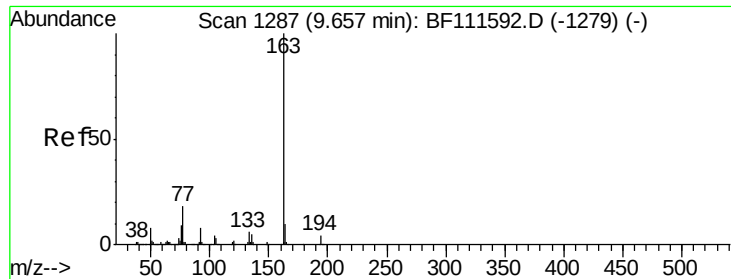
Sohil
12/27/2018 1:58:24 PM



#49
Acenaphthylene
Concen: 3.133 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	18.0	27.0
153	14.8	12.3	18.5





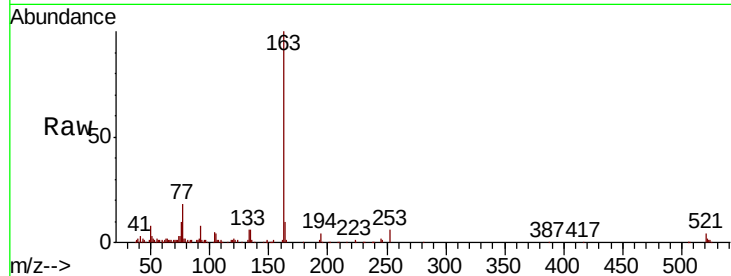
#50
Dimethylphthalate
Concen: 5.365 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.6
164	10.5	8.9	13.3

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 PM

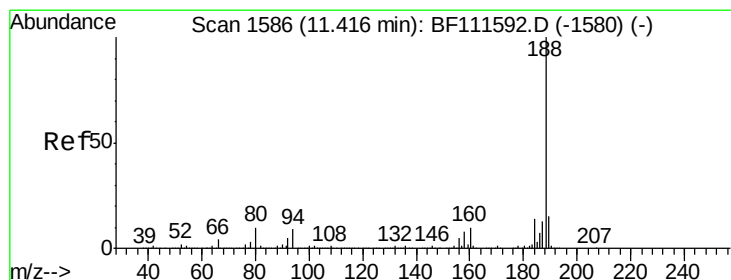
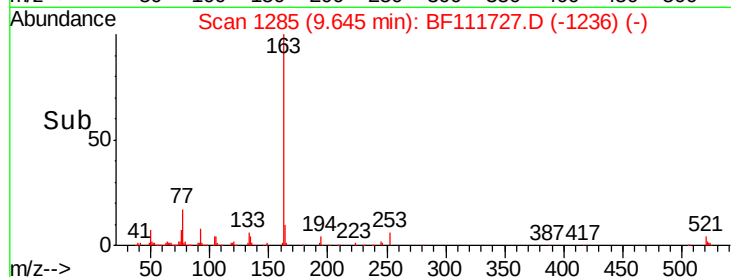
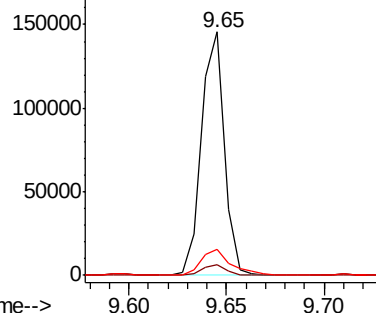


Abundance

Ion 163.00 (162.70 to 163.70): E

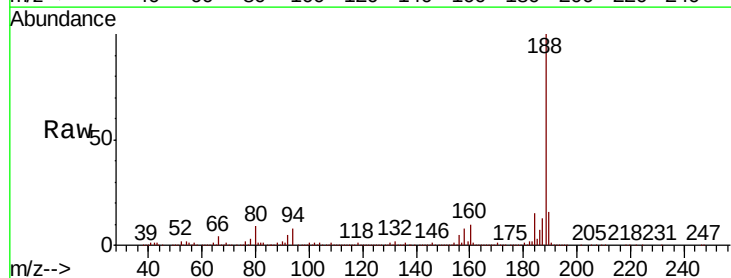
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	9.6	14.4#
80	8.8	9.8	14.6#

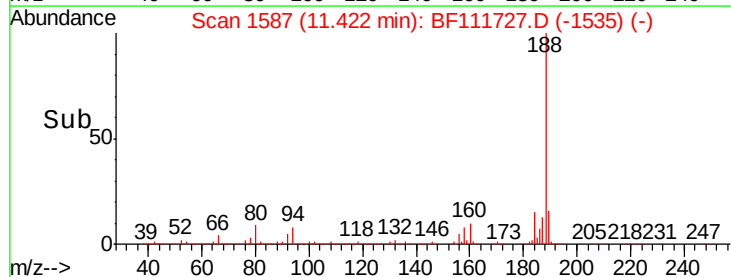
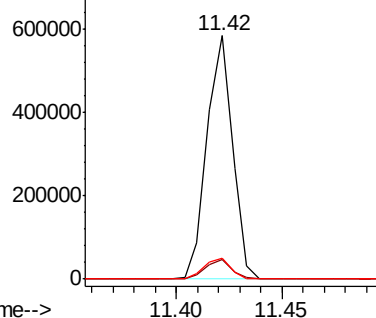


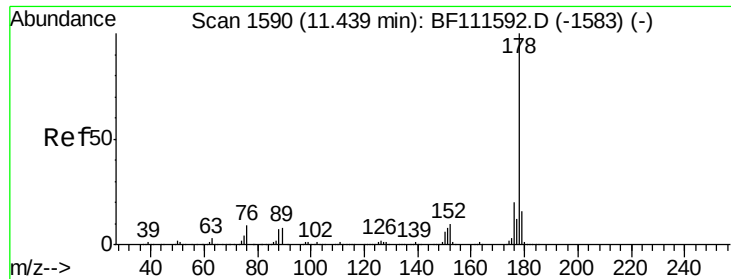
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





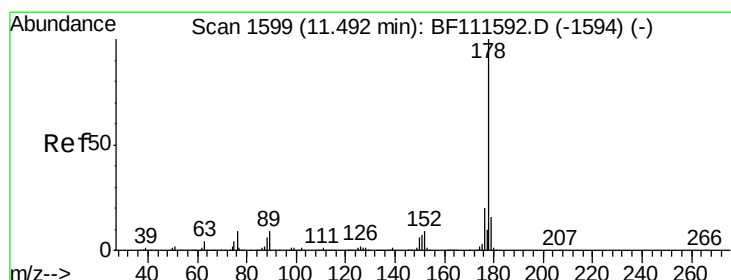
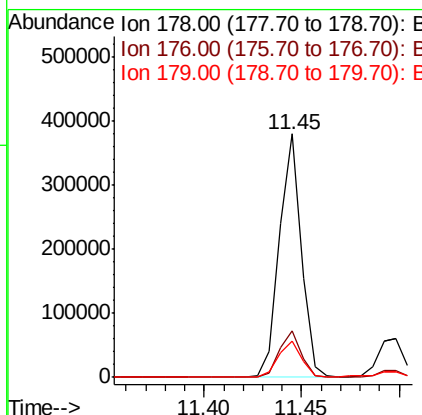
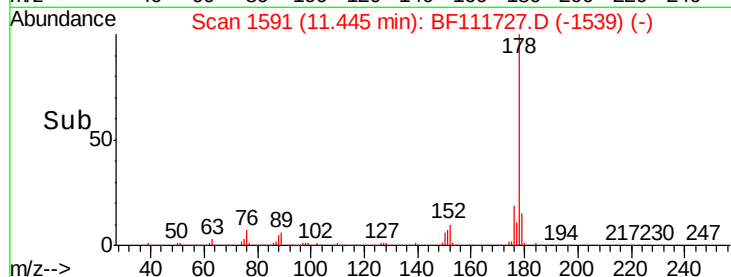
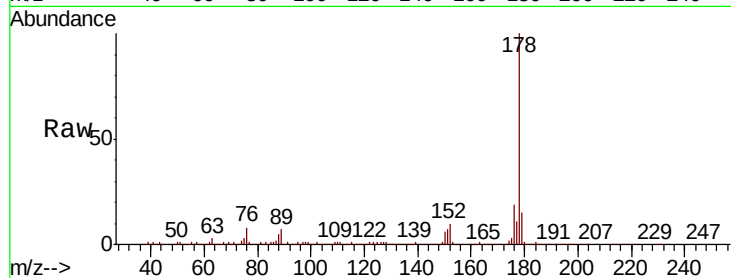
#71
Phenanthrene
Concen: 11.329 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	18.1	27.1
179	15.0	14.0	21.0

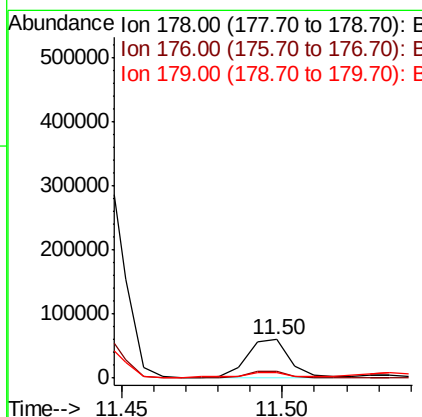
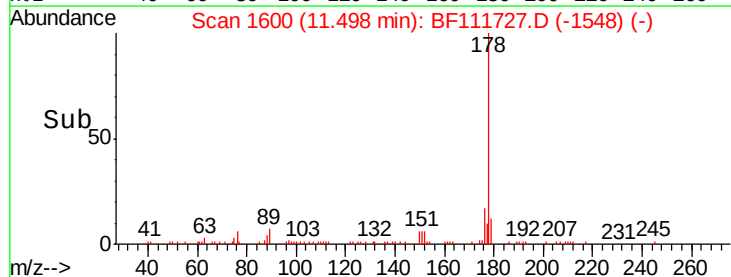
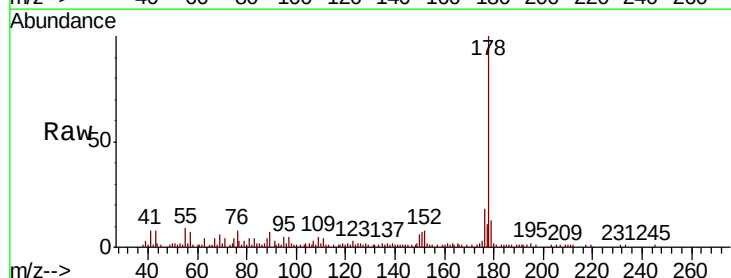
Manual Integrations
APPROVED

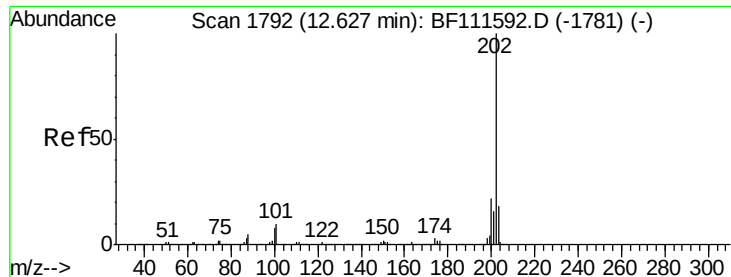
Sohil
12/27/2018 1:58:24 PM



#72
Anthracene
Concen: 2.240 ng m
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	17.2	25.8
179	13.3	13.8	20.8#





#75

Fluoranthene

Concen: 7.947 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF111727.D

Acq: 26 Dec 2018 21:30

Instrument :

BNA_F

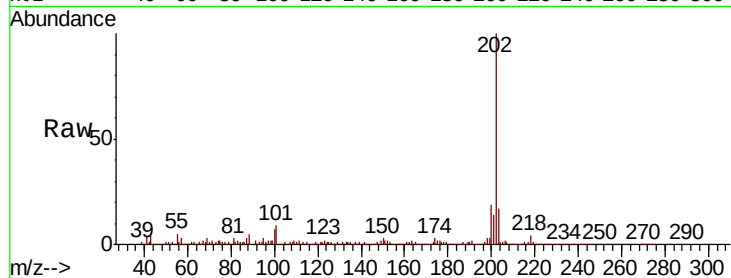
ClientSampleId :

P001-SS008-0006-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		208873		
101	9.4	0.0	33.8		
203	16.9	0.0	38.6		

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 PM

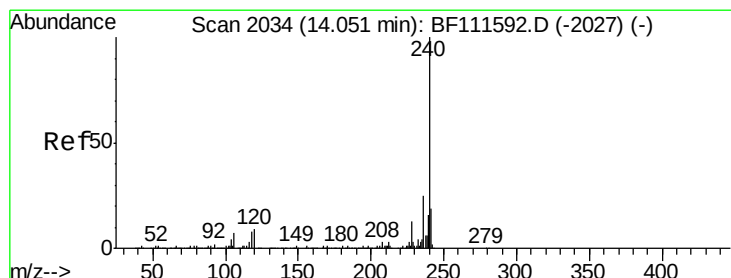
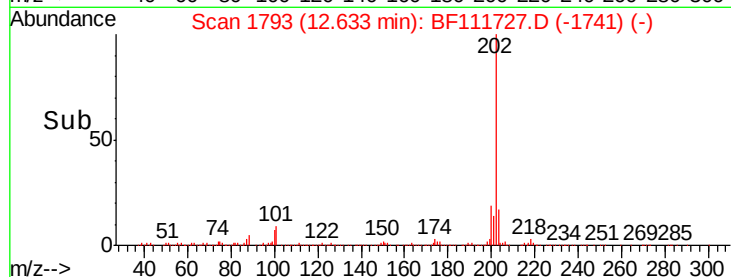
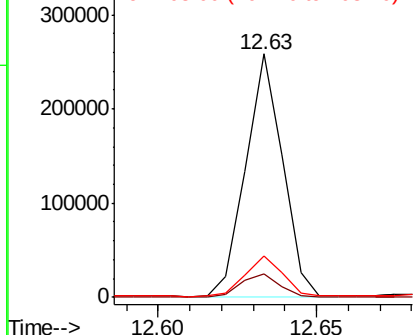


Abundance

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

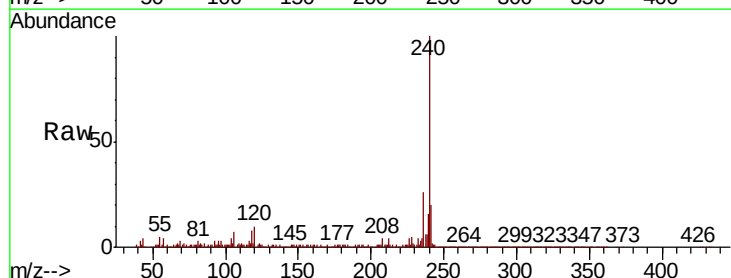
RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF111727.D

Acq: 26 Dec 2018 21:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		463841		
120	10.1	12.2	18.2#		
236	26.3	20.2	30.2		

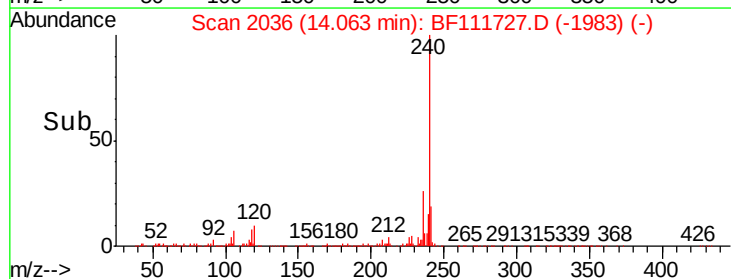
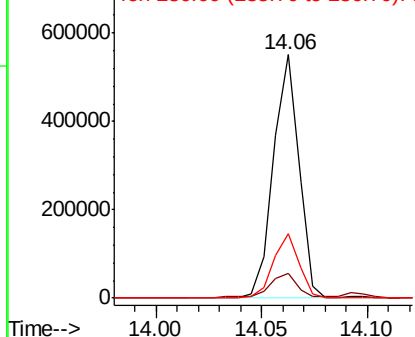


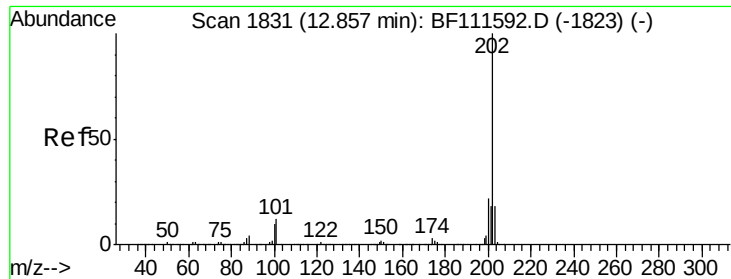
Abundance

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





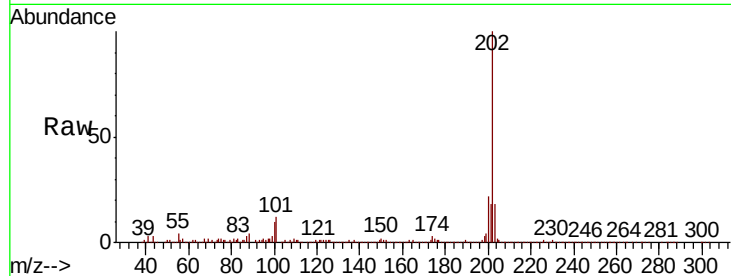
#78
Pvrene
Concen: 10.986 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0006-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	19.0	28.4
203	17.9	15.2	22.8

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 PM

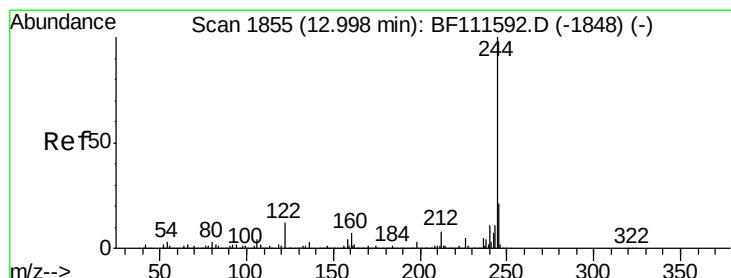
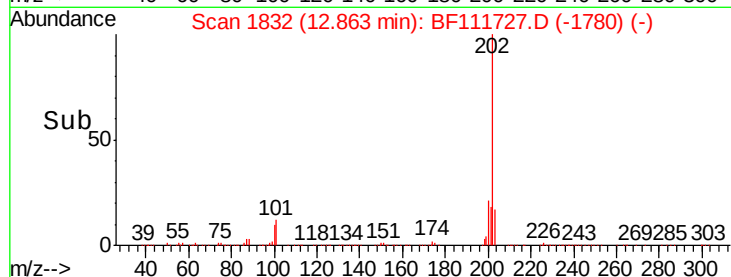
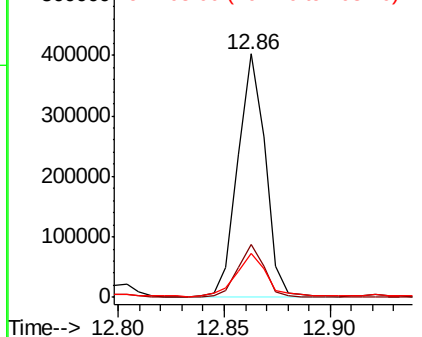


Abundance

Ion 202.00 (201.70 to 202.70): E

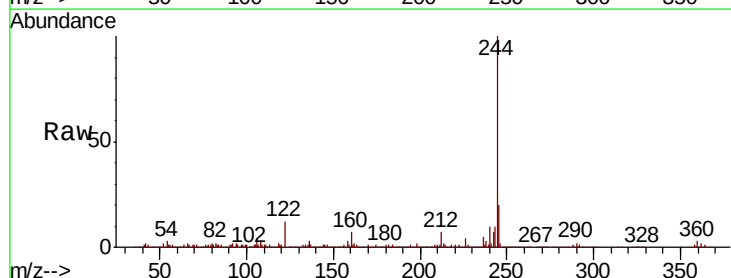
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 46.498 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.5	13.1	19.7#

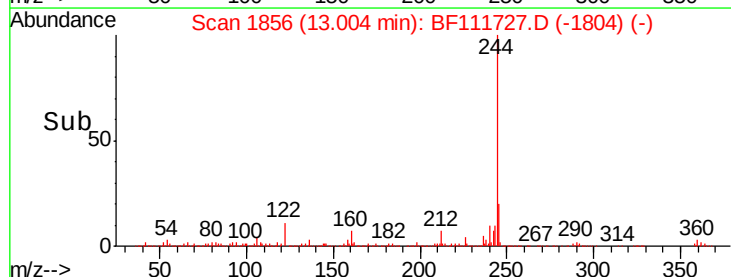
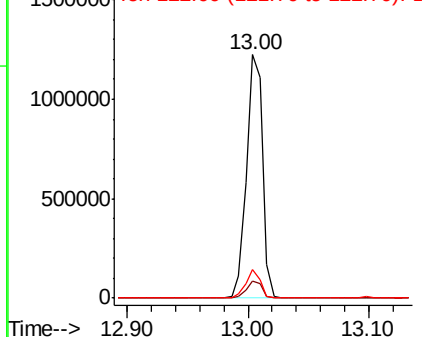


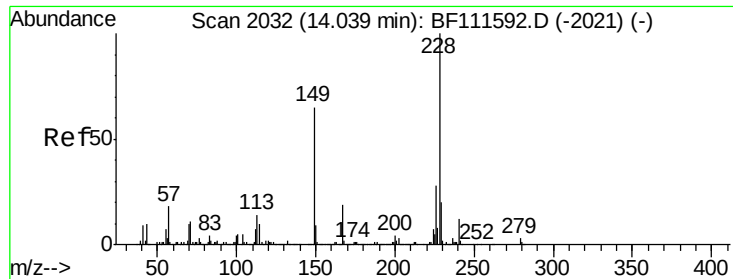
Abundance

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





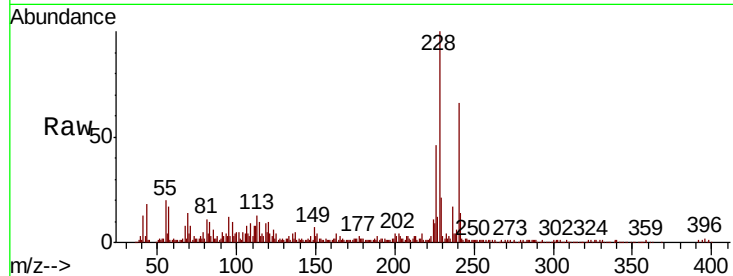
#81
Benzo(a)anthracene
Concen: 4.868 ng m
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	46.3	22.6	34.0#
229	21.5	16.3	24.5

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 PM

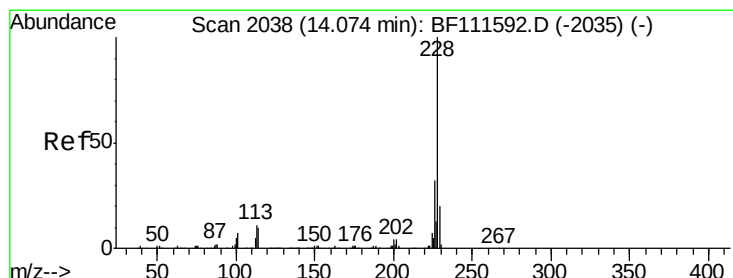
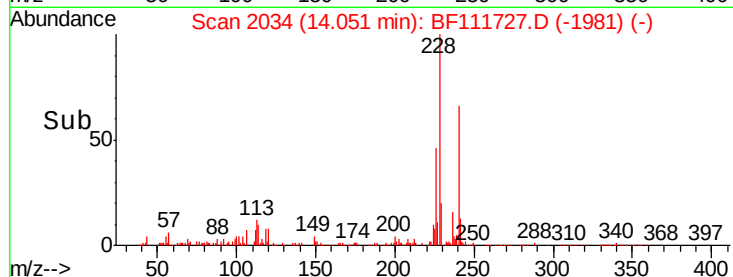
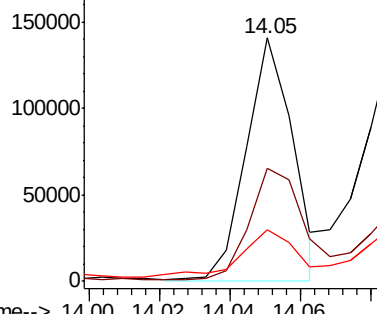


Abundance

Ion 228.00 (227.70 to 228.70): E

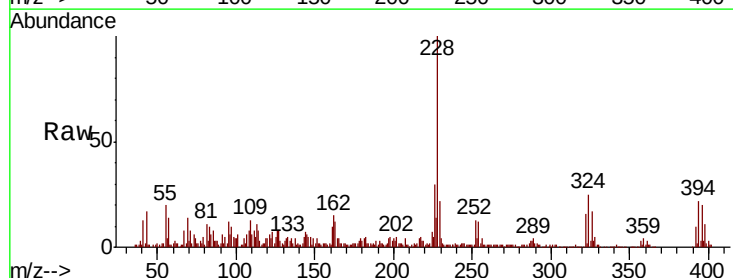
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 4.844 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.3	37.9
229	22.0	17.2	25.8

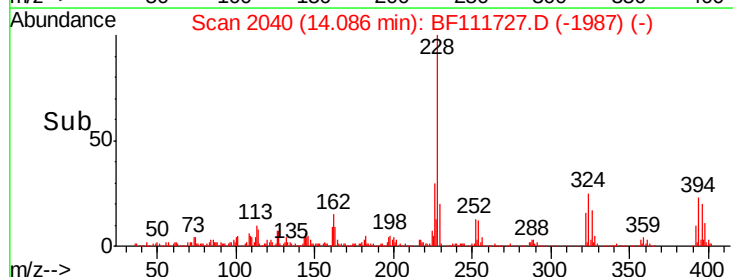
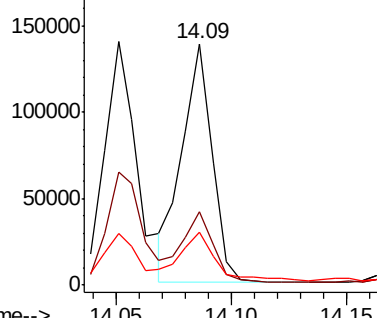


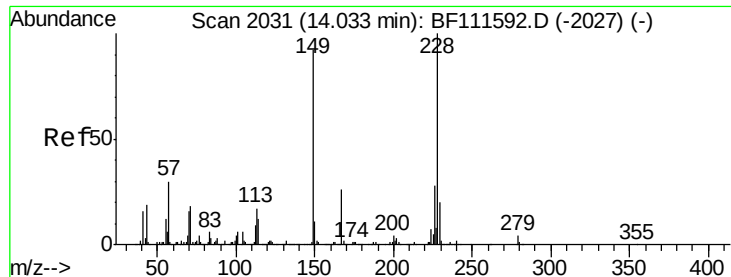
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.160 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF111727.D

Acq: 26 Dec 2018 21:30

Instrument :

BNA_F

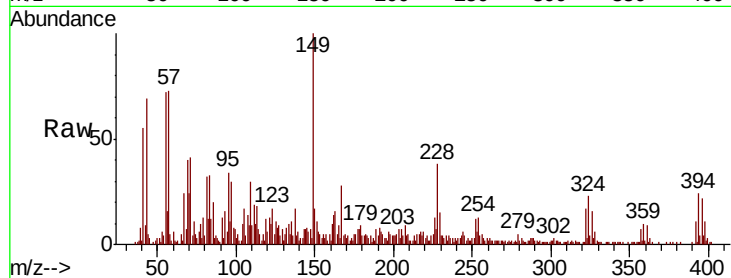
ClientSampleId :

P001-SS008-0006-01

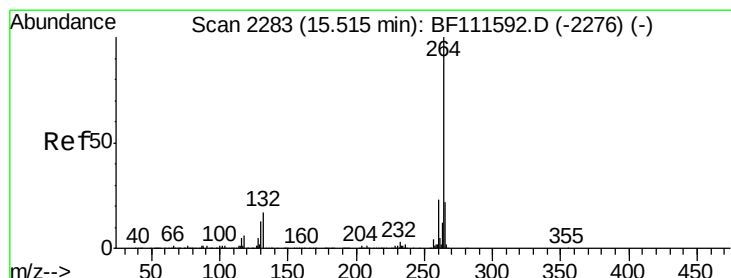
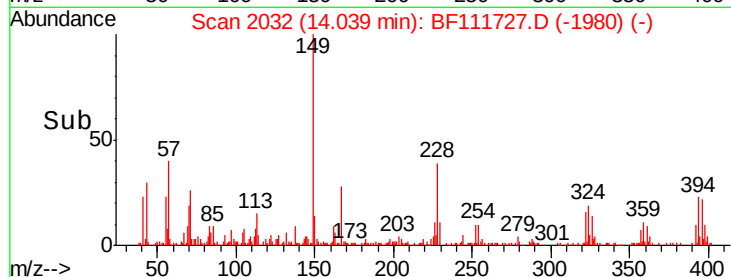
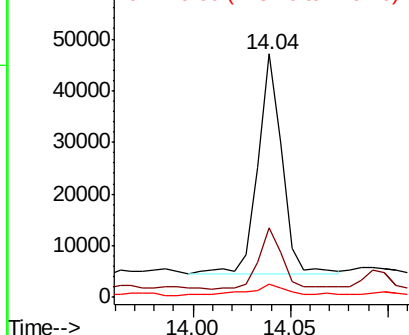
Tot Ion:	149	Resp:	36335
Ion Ratio	Lower	Upper	
149	100		
167	28.4	22.5	33.7
279	5.3	2.6	4.0#

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

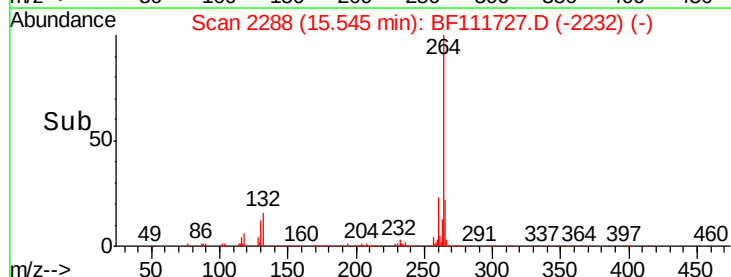
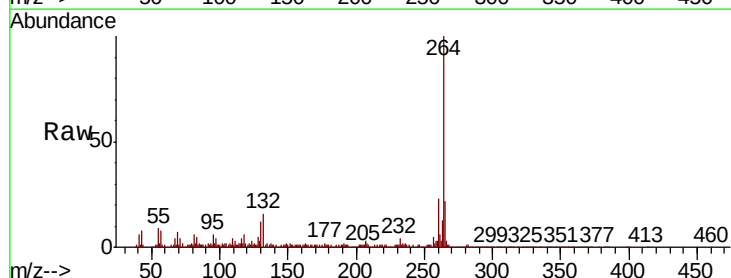
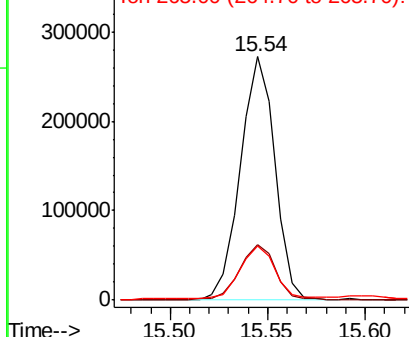
Delta R.T. 0.03 min

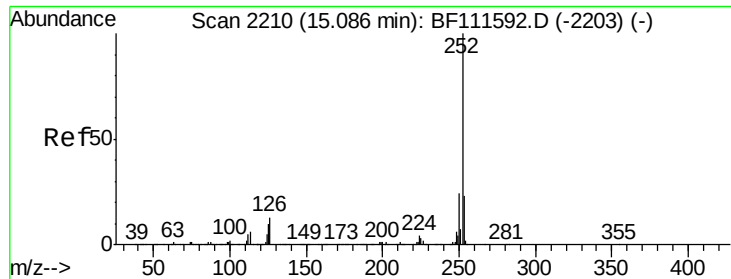
Lab File: BF111727.D

Acq: 26 Dec 2018 21:30

Tgt Ion:	264	Resp:	331613
Ion Ratio	Lower	Upper	
264	100		
260	22.9	18.3	27.5
265	22.3	17.7	26.5

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





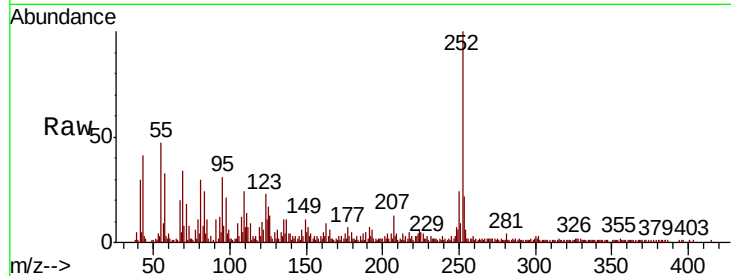
#88
Benzo(b)fluoranthene
Concen: 5.235 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Instrument :
BNA_F
ClientSampleId :
P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	16.9	10.4	15.6

Manual Integrations
APPROVED

Sohil
12/27/2018 1:58:24 PM

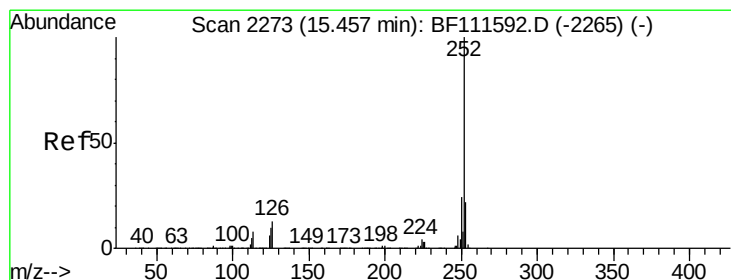
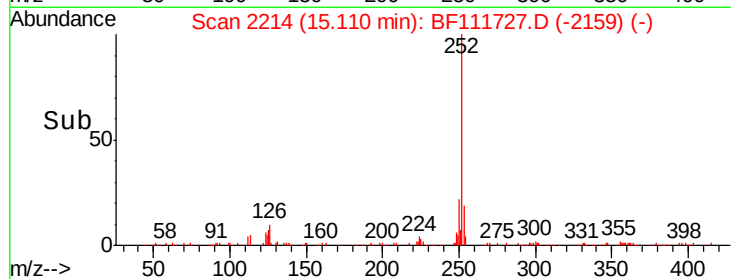
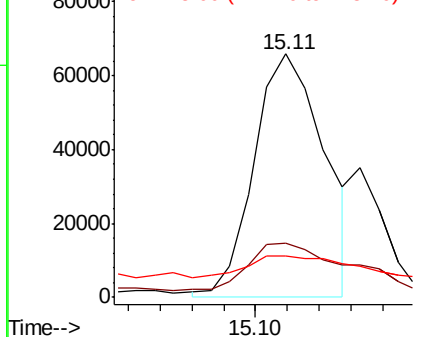


Abundance

Ion 252.00 (251.70 to 252.70): E

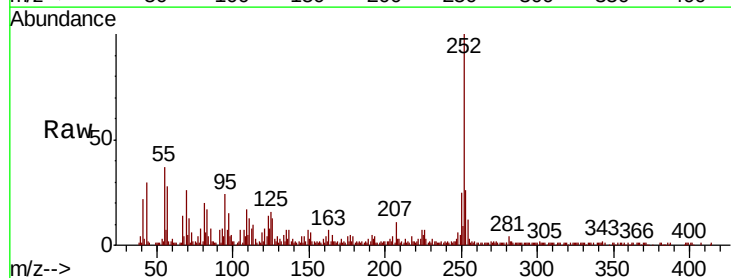
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 5.172 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF111727.D
Acq: 26 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.8	26.8
125	16.3	12.3	18.5

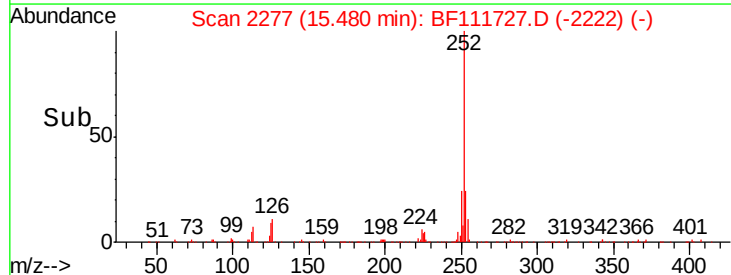
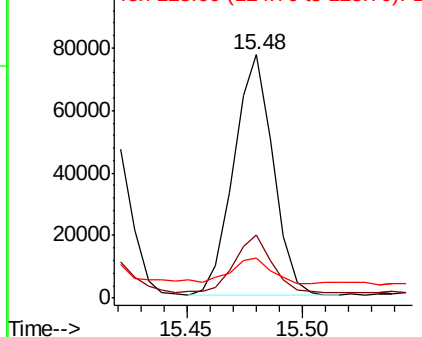


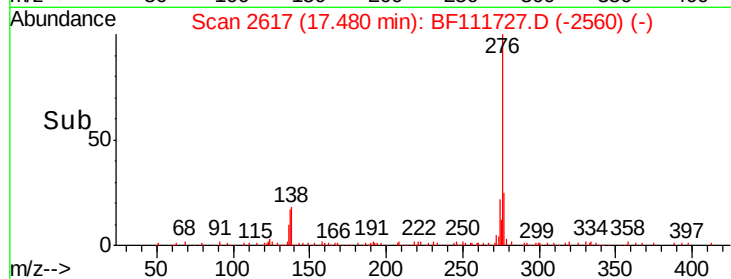
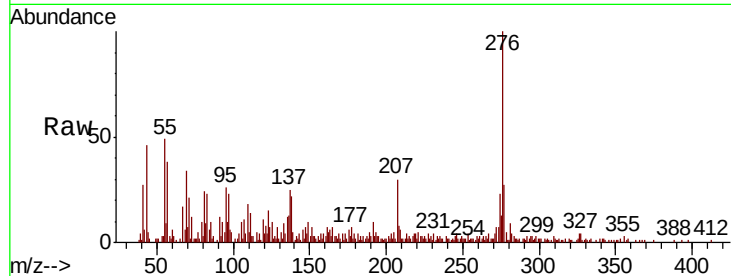
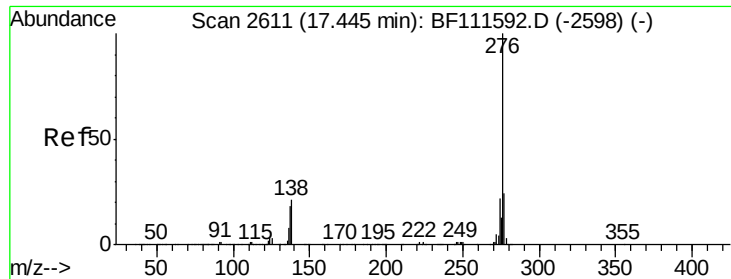
Abundance

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: 3.871 ng
 RT: 17.48 min Scan# 2617
 Delta R.T. 0.04 min
 Lab File: BF111727.D
 Acq: 26 Dec 2018 21:30

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS008-0006-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.2	28.8
138	21.9	24.9	37.3

Manual Integrations
 APPROVED

Sohil
 12/27/2018 1:58:24 PM

