

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111722.D
 Acq On : 26 Dec 2018 19:14
 Operator : JU/SJ
 Sample : J6499-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:24 AM

Quant Time: Dec 27 02:39:03 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	247004	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	941016	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	482774	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	804414	20.00	ng	0.00
76) Chrysene-d12	14.06	240	541003	20.00	ng	0.00
87) Perylene-d12	15.54	264	536730	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1431706	98.80	ng	0.02
7) Phenol-d6	6.54	99	1921831	104.21	ng	0.02
23) Nitrobenzene-d5	7.46	82	1256382	77.72	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	554470	97.20	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2059031	62.17	ng	0.00
79) Terphenyl-d14	13.00	244	1681817	58.95	ng	0.00
Target Compounds						
10) Phenol	6.55	94	162342	7.802	ng	99
50) Dimethylphthalate	9.65	163	312509	8.852	ng	97
71) Phenanthrene	11.45	178	128269	3.007	ng	93
75) Fluoranthene	12.63	202	362722	8.396	ng	94
78) Pyrene	12.86	202	322568	8.443	ng	96
81) Benzo(a)anthracene	14.04	228	190807	6.180	ng	99
83) Chrysene	14.08	228	166609	5.490	ng	98
86) Indeno(1,2,3-cd)pyrene	17.02	276	62918	2.439	ng	# 85
88) Benzo(b)fluoranthene	15.10	252	214101m	6.825	ng	
90) Benzo(a)pyrene	15.47	252	140873m	4.943	ng	
92) Benzo(g,h,i)perylene	17.47	276	53242m	2.185	ng	

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

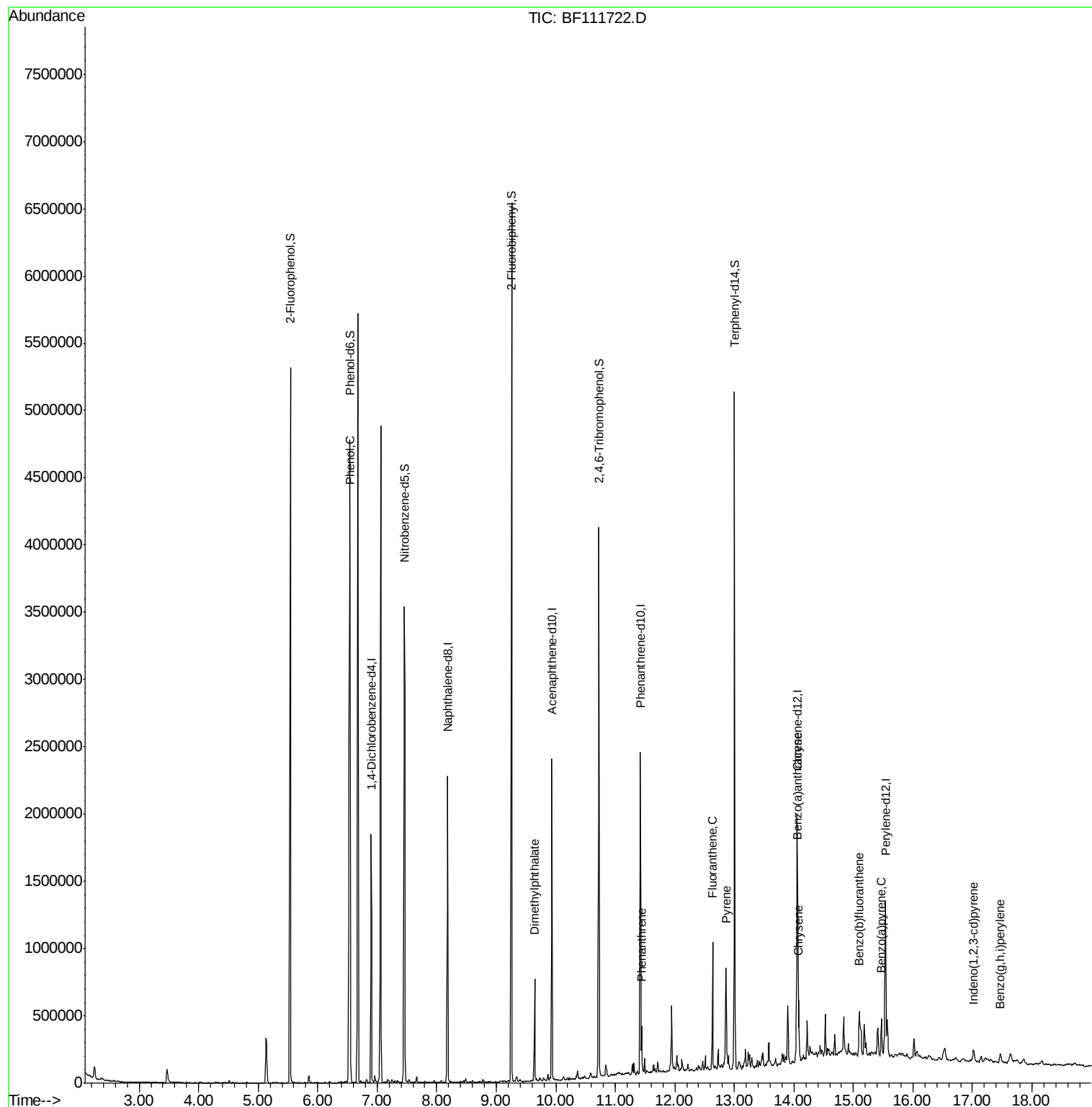
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111722.D
Acq On : 26 Dec 2018 19:14
Operator : JU/SJ
Sample : J6499-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

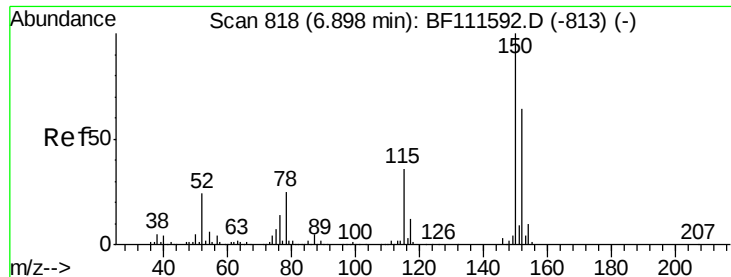
Instrument :
BNA_F
ClientSampleId :
72-11989

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:24 AM

Quant Time: Dec 27 02:39:03 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

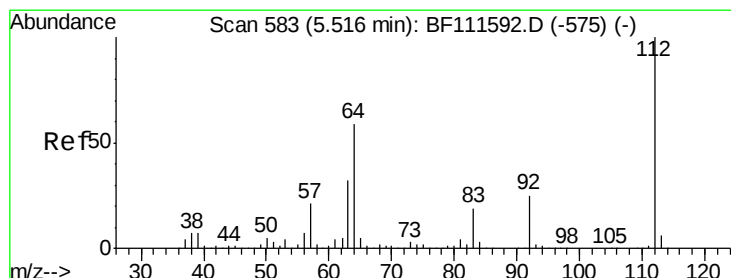
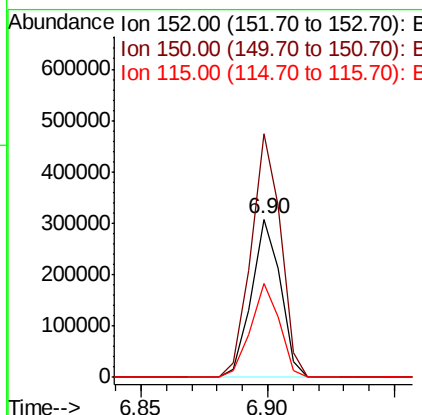
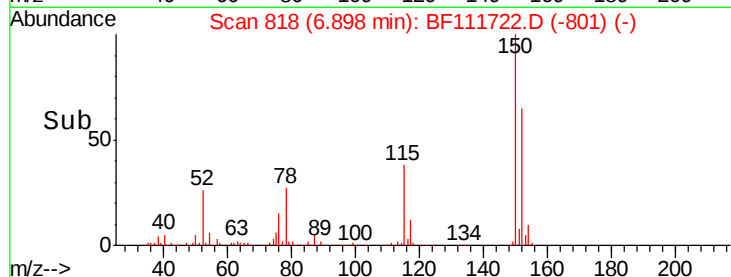
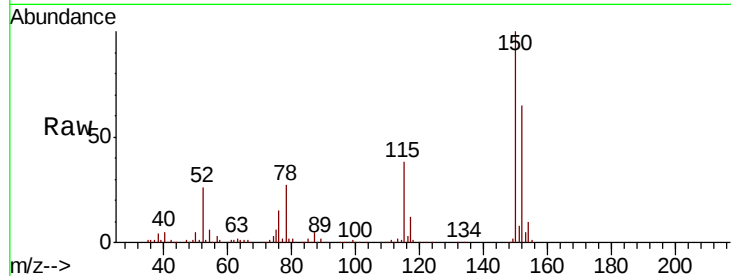
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Instrument :
BNA_F
ClientSampleId :
72-11989

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.6	189.8
115	59.1	50.7	76.1

Manual Integrations
APPROVED

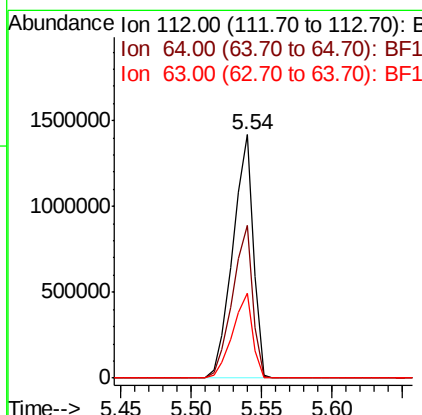
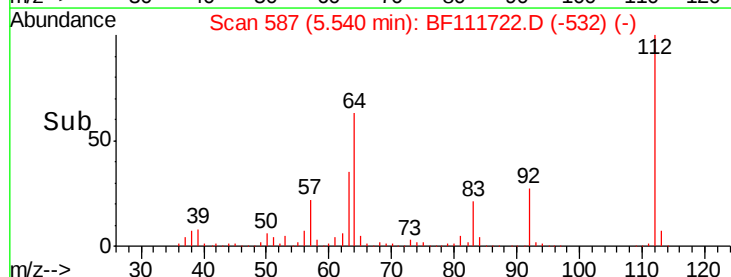
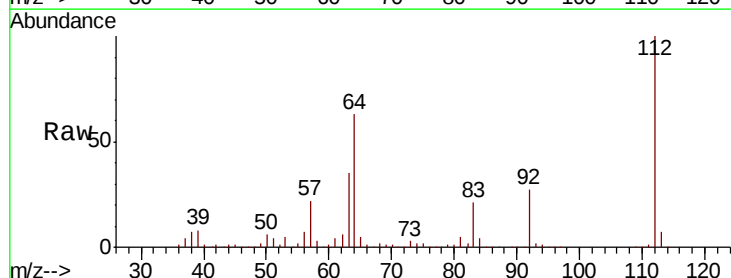
Sohil
12/27/2018 8:22:24 AM

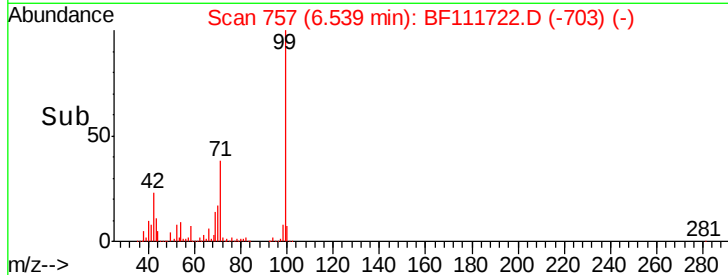
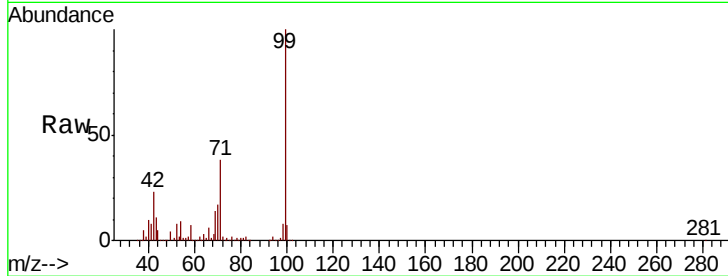
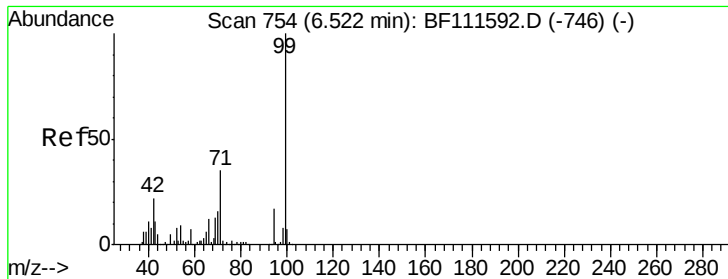


#5

2-Fluorophenol
Concen: 98.800 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	51.8	77.6
63	34.8	26.8	40.2





#7

Phenol-d6

Concen: 104.210 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111722.D

Acq: 26 Dec 2018 19:14

Tot Ion:	99	Resp:	1921831
Ion	Ratio	Lower	Upper
99	100		
42	23.2	17.4	26.0
71	37.8	26.1	39.1

Instrument :

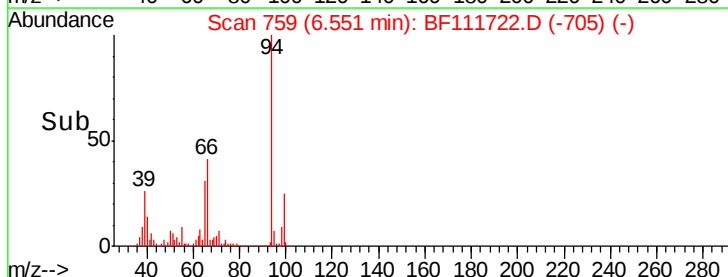
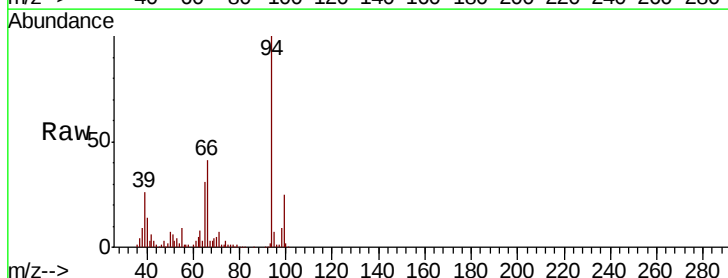
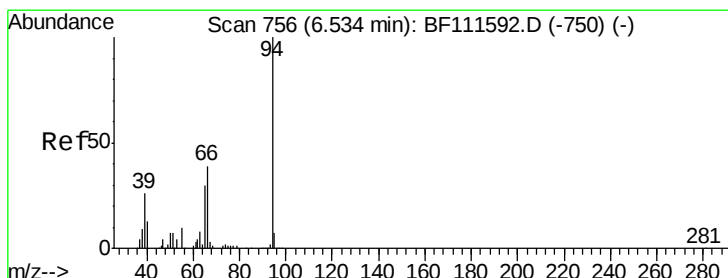
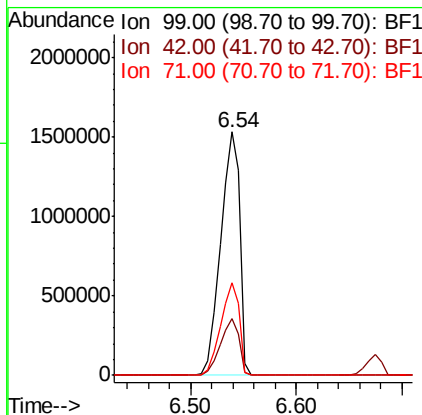
BNA_F

ClientSampleId :

72-11989

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:24 AM



#10

Phenol

Concen: 7.802 ng

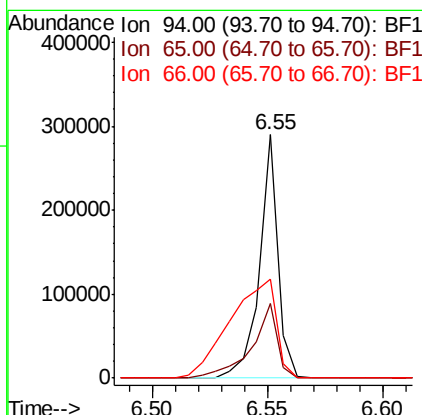
RT: 6.55 min Scan# 759

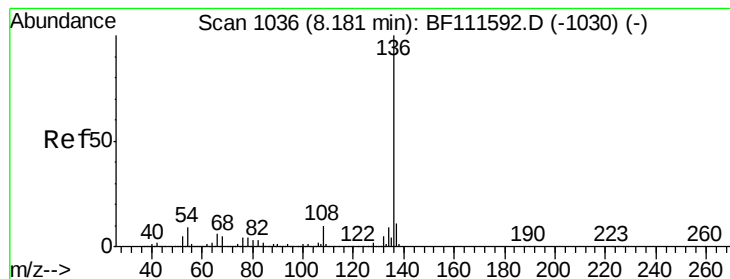
Delta R.T. 0.02 min

Lab File: BF111722.D

Acq: 26 Dec 2018 19:14

Tgt Ion:	94	Resp:	162342
Ion	Ratio	Lower	Upper
94	100		
65	30.9	11.7	51.7
66	40.6	21.0	61.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF111722.D

Acq: 26 Dec 2018 19:14

Instrument :

BNA_F

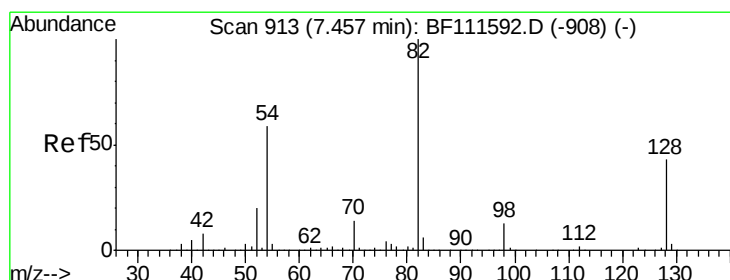
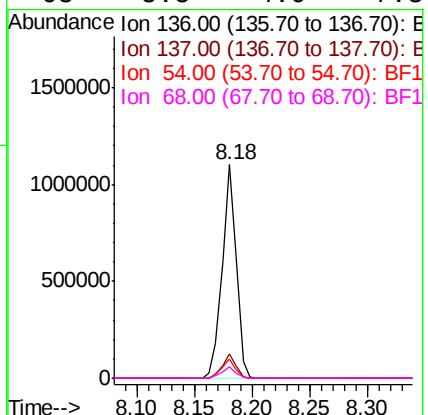
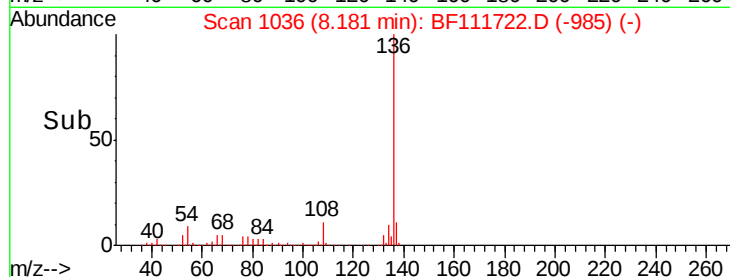
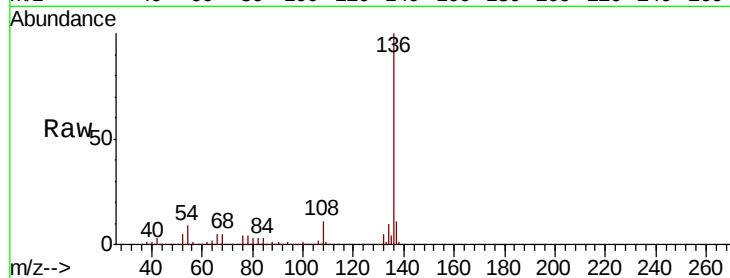
ClientSampleId :

72-11989

Tot Ion	Ratio	Resp	Lower	Upper
136	100	941016		
137	11.1	9.1	13.7	
54	8.9	7.7	11.5	
68	5.5	4.9	7.3	

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:24 AM



#23

Nitrobenzene-d5

Concen: 77.715 ng

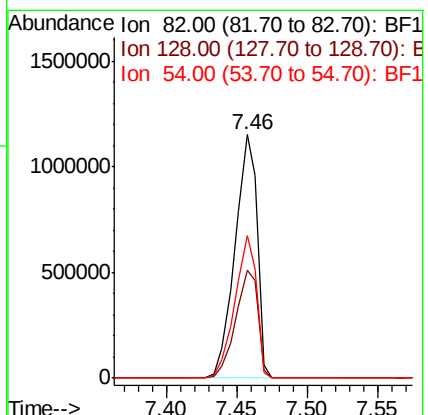
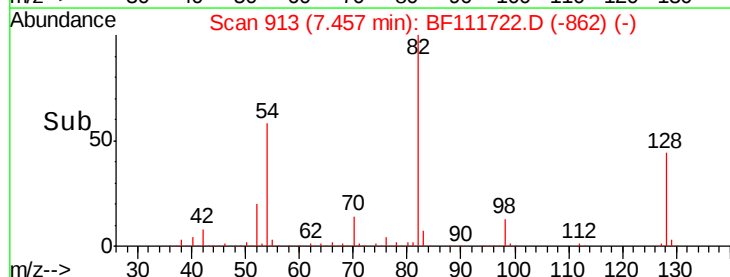
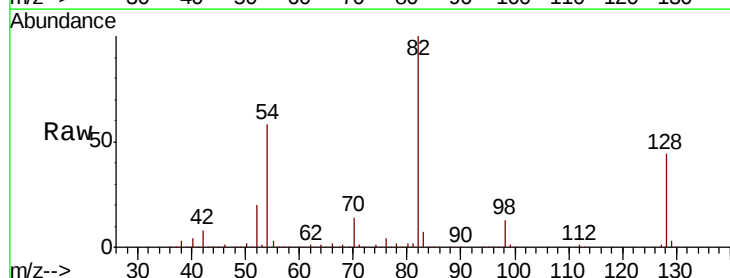
RT: 7.46 min Scan# 913

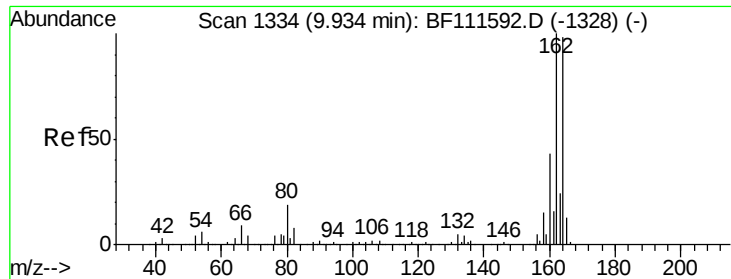
Delta R.T. -0.00 min

Lab File: BF111722.D

Acq: 26 Dec 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1256382		
128	44.4	37.4	56.2	
54	58.3	47.6	71.4	





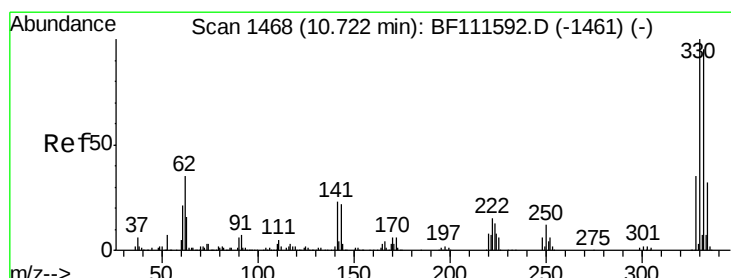
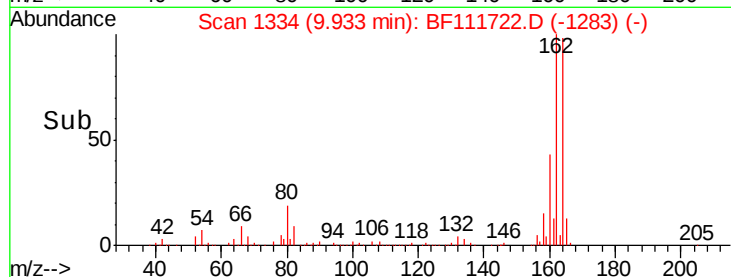
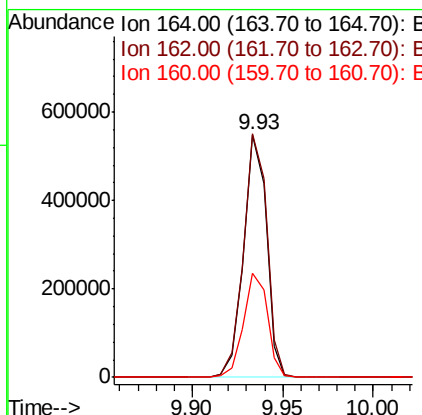
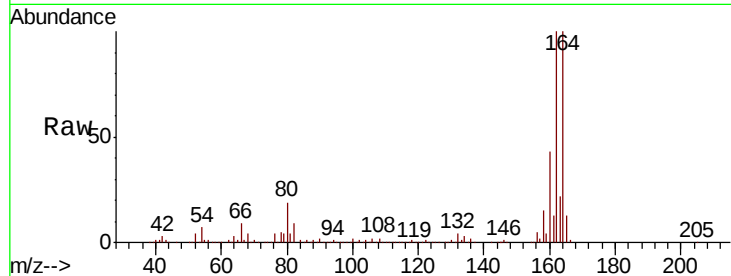
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Instrument :
BNA_F
ClientSampleId :
72-11989

Tot Ion	Ratio	Resp	Lower	Upper
164	100	482774		
162	100.4		81.4	122.0
160	43.0		35.7	53.5

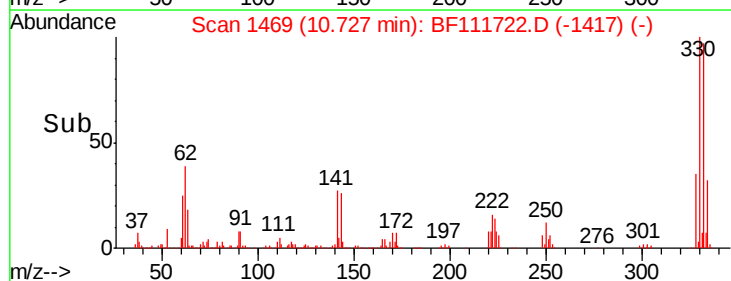
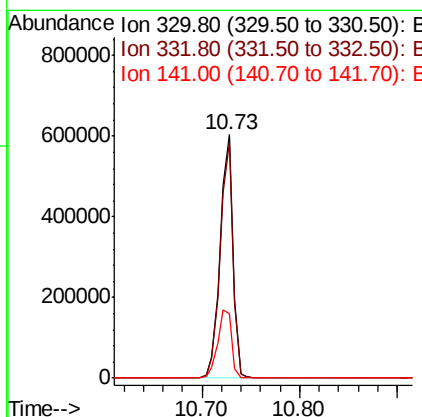
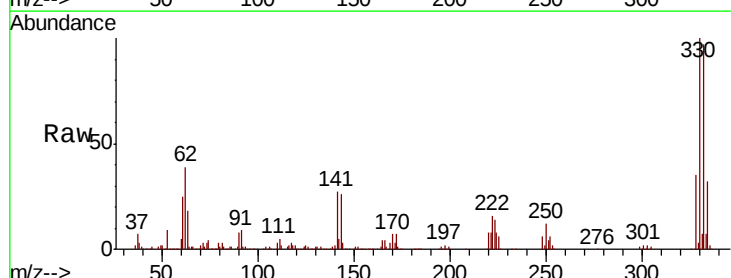
Manual Integrations
APPROVED

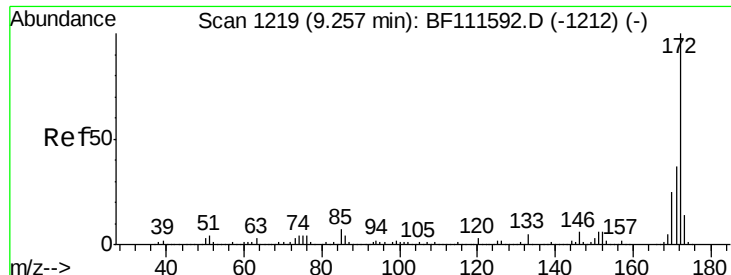
Sohil
12/27/2018 8:22:24 AM



#42
2,4,6-Tribromophenol
Concen: 97.201 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	554470		
332	96.1		76.0	114.0
141	30.5		31.0	46.6#





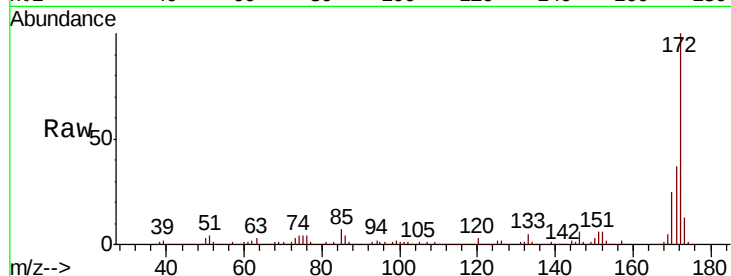
#45
2-Fluorobiphenyl
Concen: 62.166 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Instrument :
BNA_F
ClientSampleId :
72-11989

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	33.0	49.4
170	25.1	22.3	33.5

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:24 AM

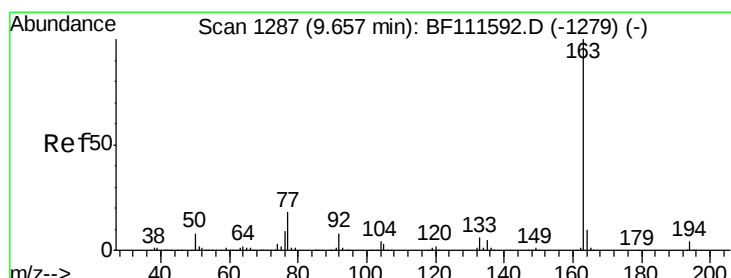
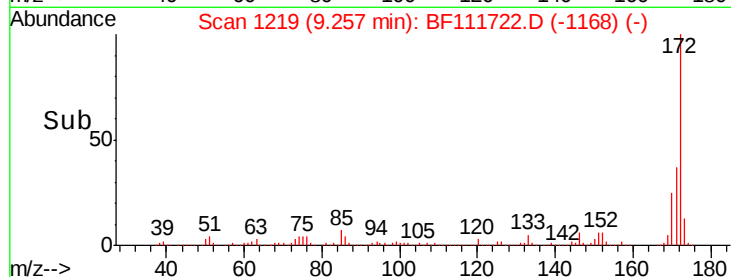
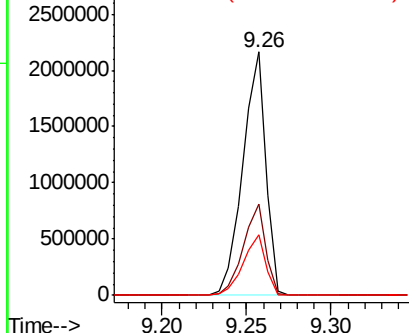


Abundance

Ion 172.00 (171.70 to 172.70): E

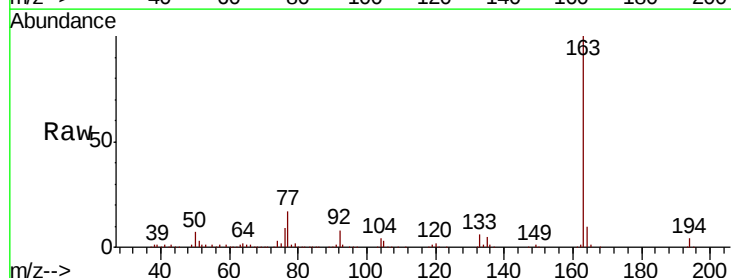
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 8.852 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	9.8	8.9	13.3

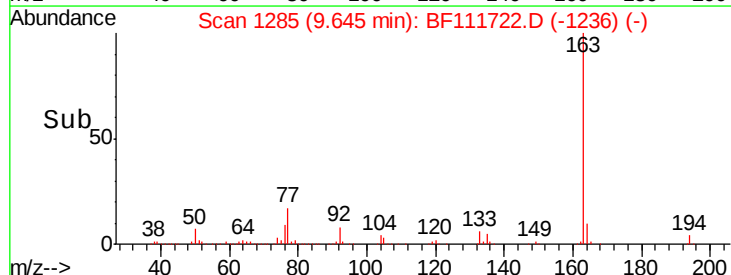
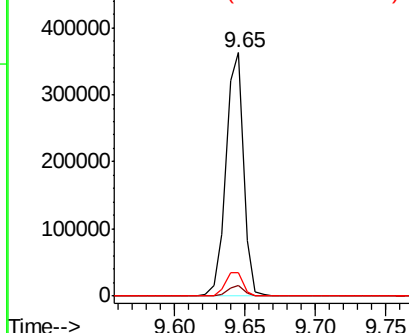


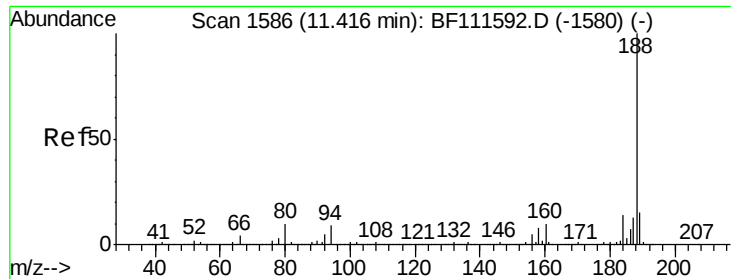
Abundance

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





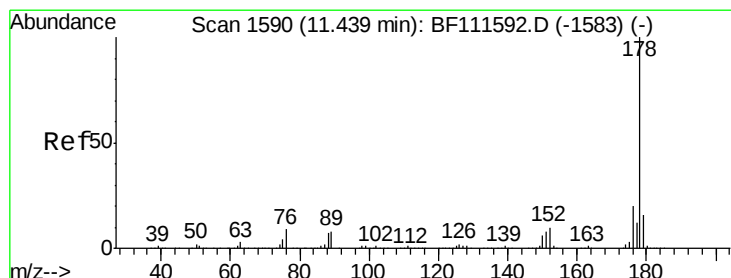
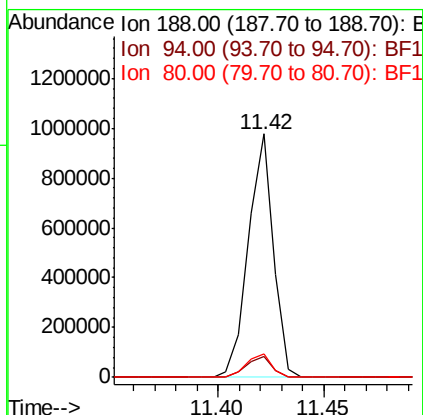
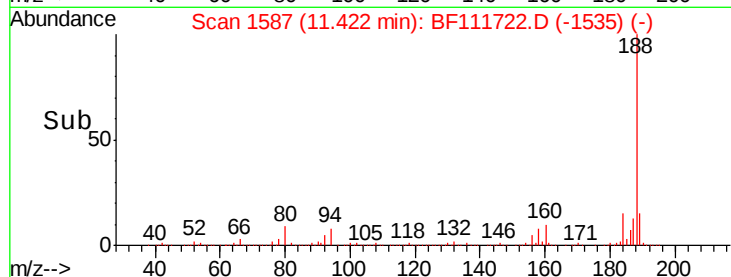
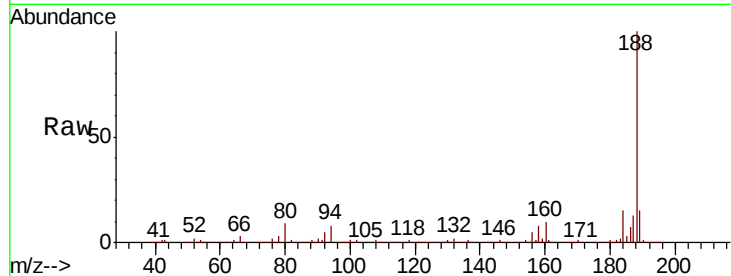
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Instrument :
BNA_F
ClientSampled :
72-11989

Tot Ion	Ratio	Resp	Lower	Upper
188	100	804414		
94	8.4		9.6	14.4#
80	9.4		9.8	14.6#

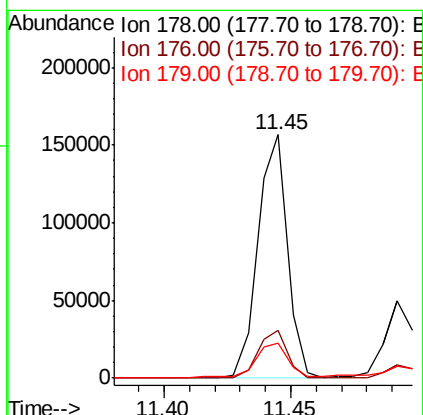
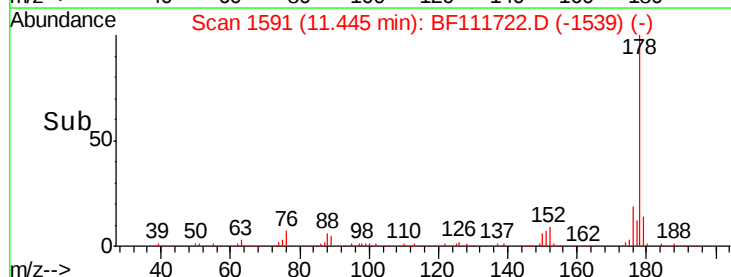
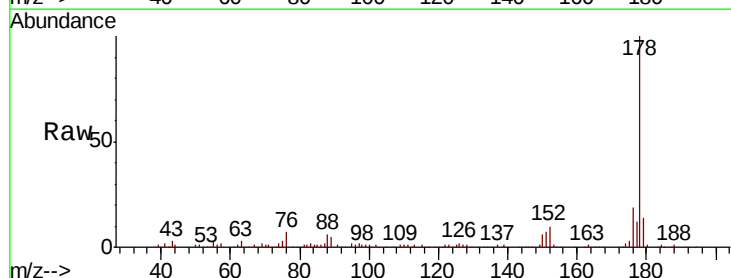
Manual Integrations
APPROVED

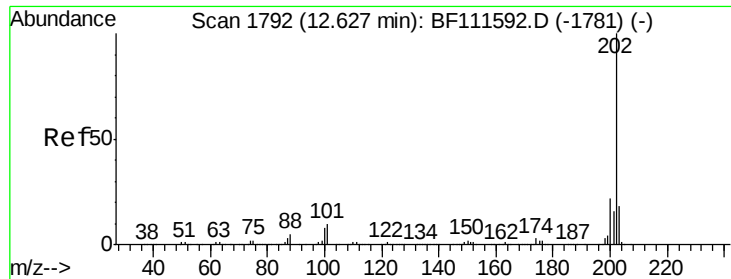
Sohil
12/27/2018 8:22:24 AM



#71
Phenanthrene
Concen: 3.007 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	128269		
176	19.4		18.1	27.1
179	14.4		14.0	21.0





#75

Fluoranthene

Concen: 8.396 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF111722.D

Acq: 26 Dec 2018 19:14

Instrument :

BNA_F

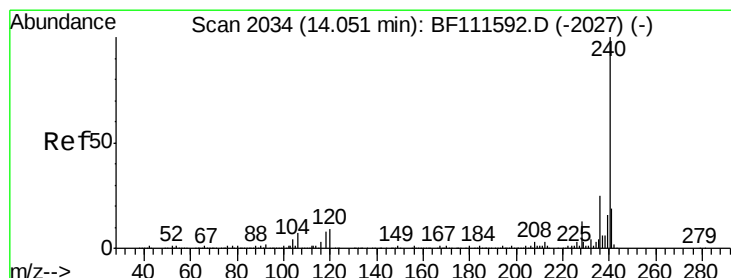
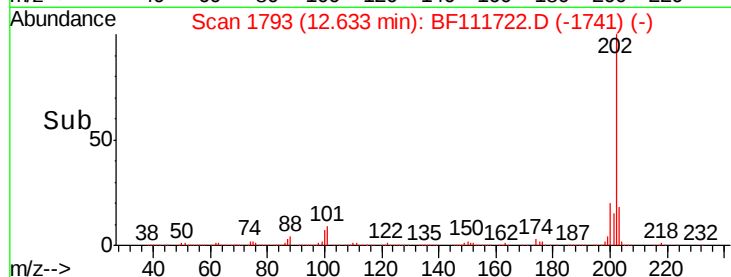
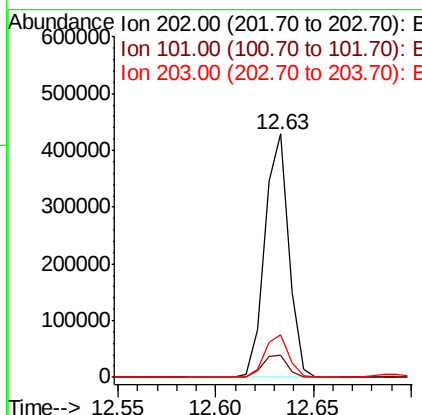
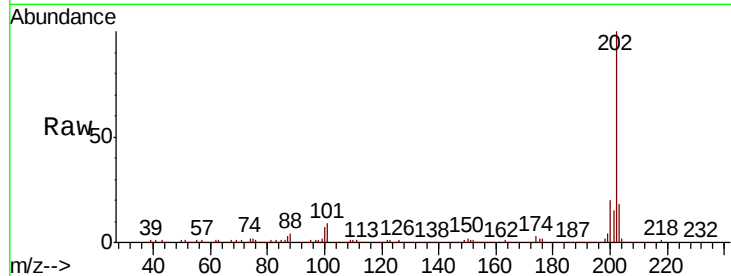
ClientSampled :

72-11989

Tot Ion	Ratio	Resp	Lower	Upper
202	100	362722		
101	9.3	0.0	33.8	
203	17.8	0.0	38.6	

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:24 AM



#76

Chrysene-d12

Concen: 20.000 ng

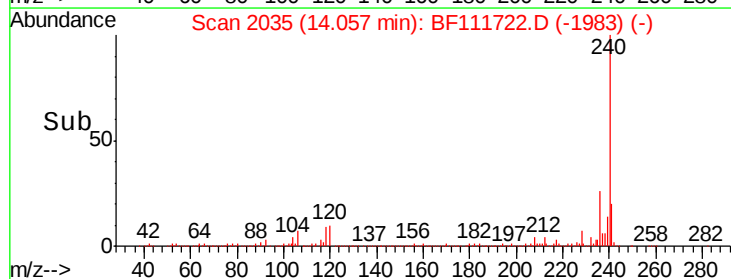
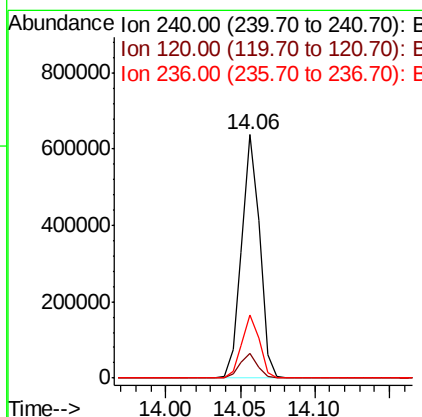
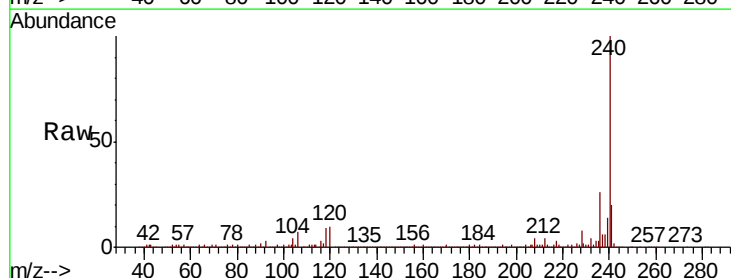
RT: 14.06 min Scan# 2035

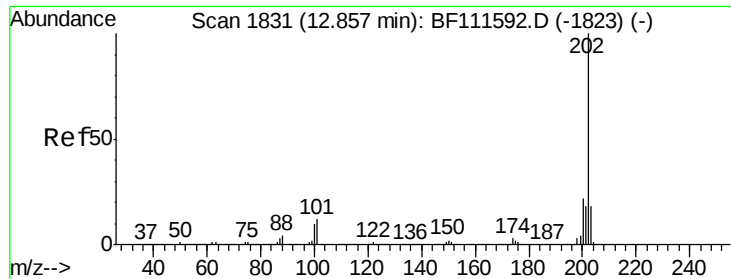
Delta R.T. 0.01 min

Lab File: BF111722.D

Acq: 26 Dec 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	541003		
120	10.4	12.2	18.2#	
236	26.0	20.2	30.2	





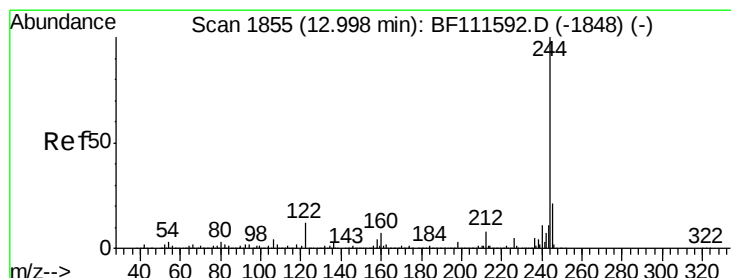
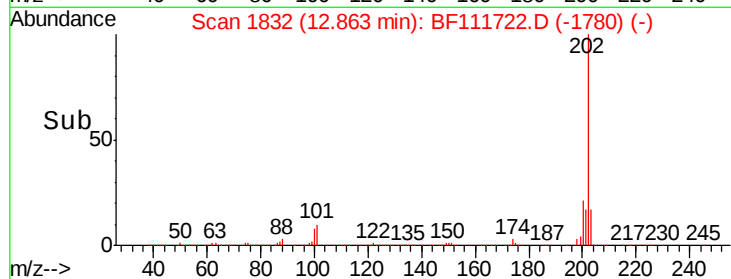
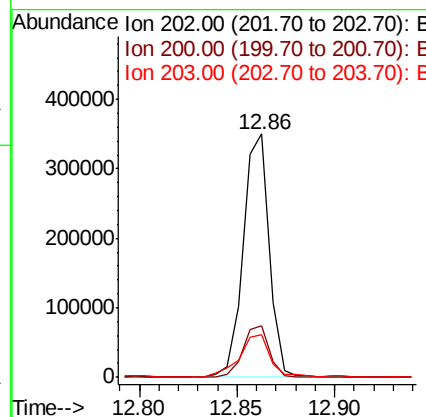
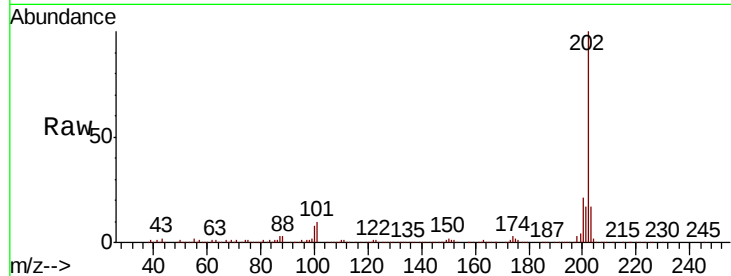
#78
Pvrene
Concen: 8.443 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Instrument :
BNA_F
ClientSampleId :
72-11989

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	19.0	28.4
203	17.5	15.2	22.8

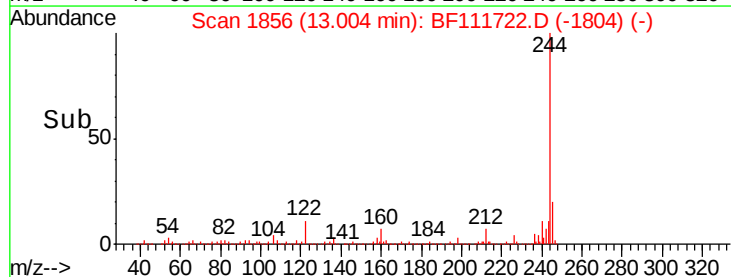
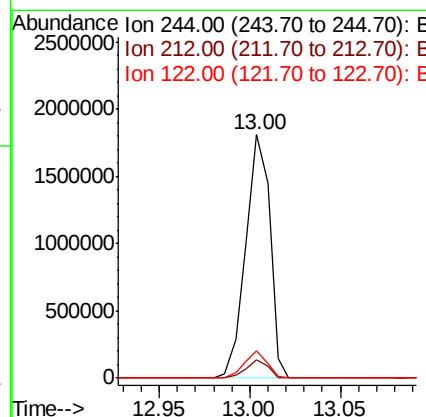
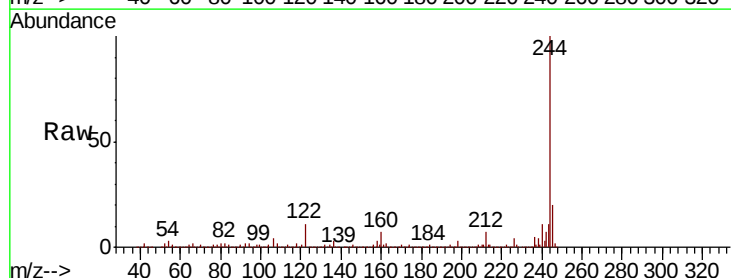
Manual Integrations
APPROVED

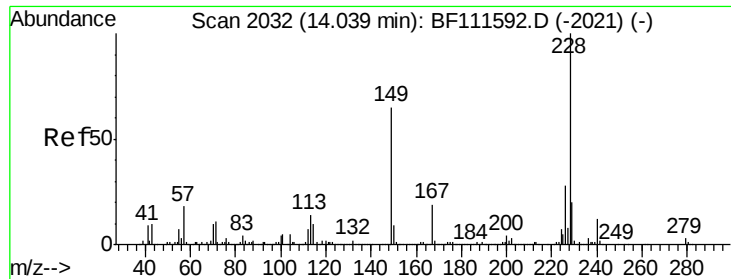
Sohil
12/27/2018 8:22:24 AM



#79
Terphenyl-d14
Concen: 58.954 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	11.0	13.1	19.7#





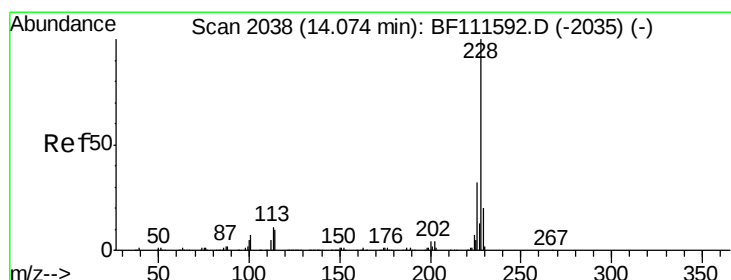
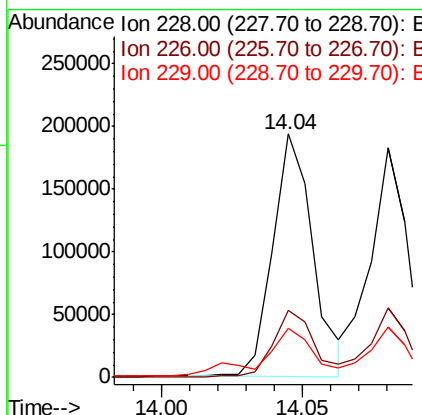
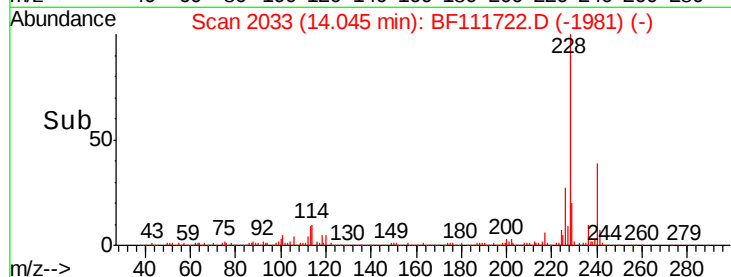
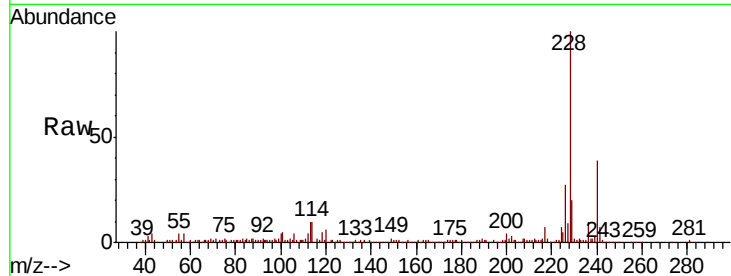
#81
 Benzo(a)anthracene
 Concen: 6.180 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF111722.D
 Acq: 26 Dec 2018 19:14

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Tot Ion:	228	Resp:	190807
Ion Ratio		Lower	Upper
228	100		
226	27.4	22.6	34.0
229	20.2	16.3	24.5

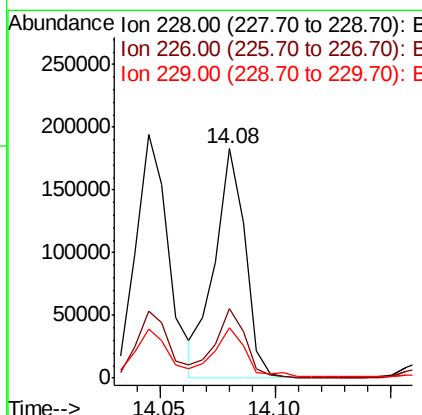
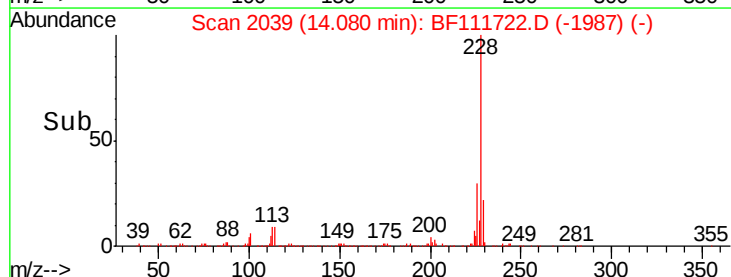
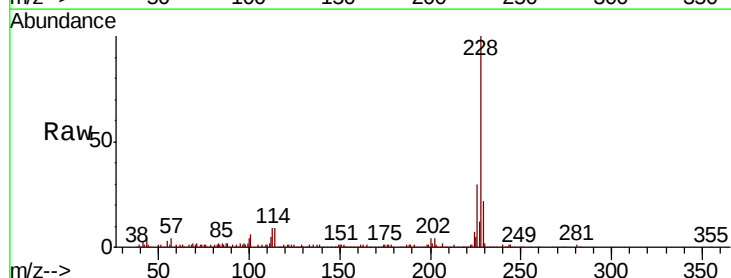
Manual Integrations
 APPROVED

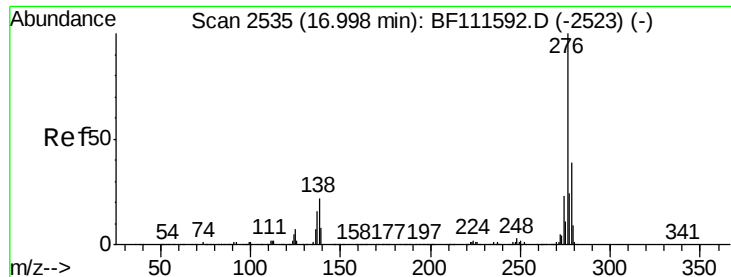
Sohil
 12/27/2018 8:22:24 AM



#83
 Chrysene
 Concen: 5.490 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF111722.D
 Acq: 26 Dec 2018 19:14

Tgt Ion:	228	Resp:	166609
Ion Ratio		Lower	Upper
228	100		
226	30.3	25.3	37.9
229	22.0	17.2	25.8





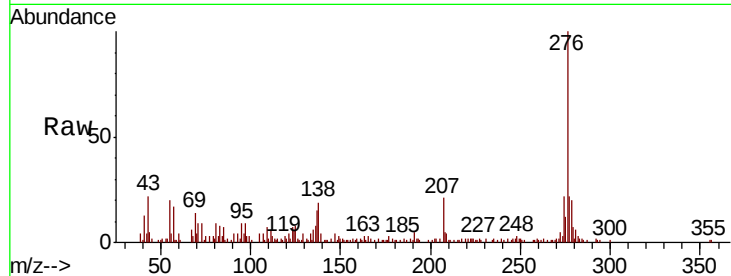
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.439 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. 0.02 min
 Lab File: BF111722.D
 Acq: 26 Dec 2018 19:14

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	27.8	41.6#
277	24.5	20.1	30.1

Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:24 AM

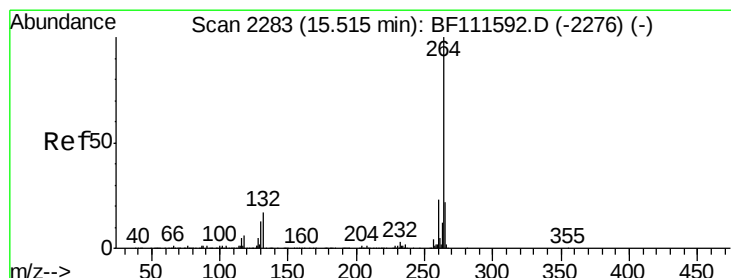
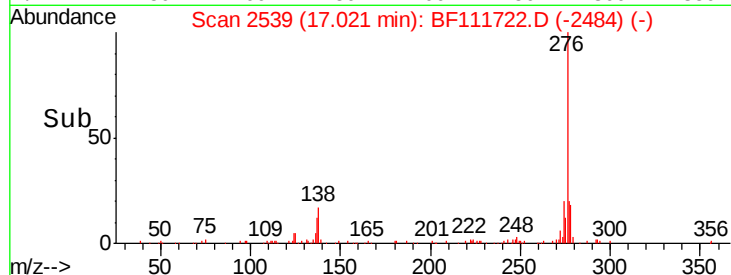
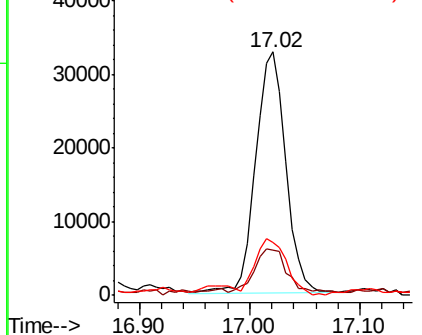


Abundance

Ion 276.00 (275.70 to 276.70): E

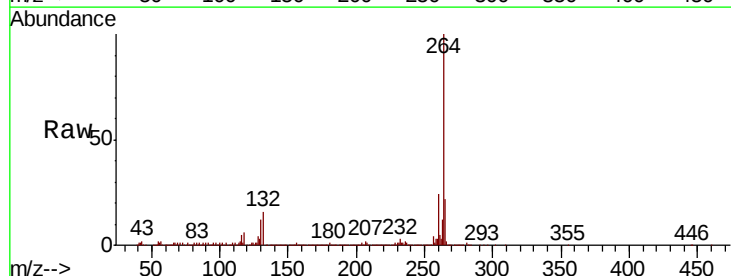
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.02 min
 Lab File: BF111722.D
 Acq: 26 Dec 2018 19:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	22.0	17.7	26.5

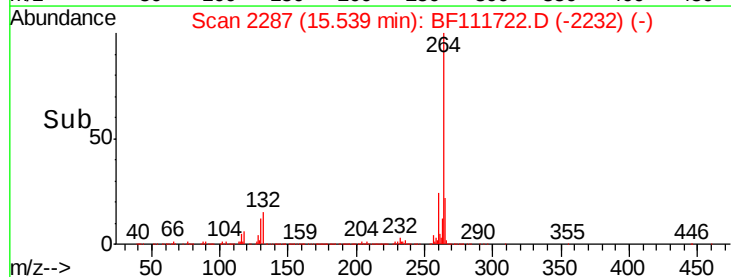
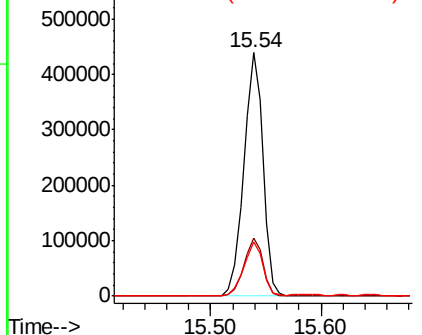


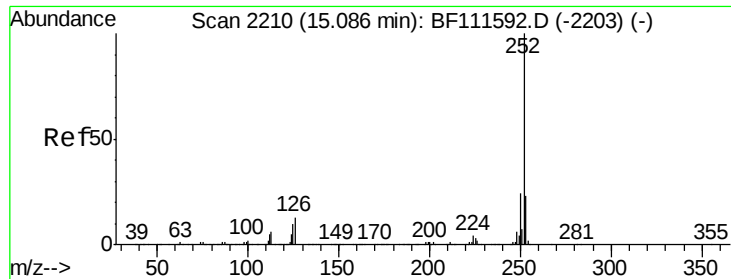
Abundance

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





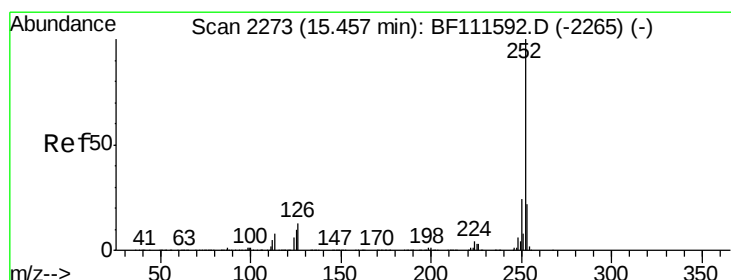
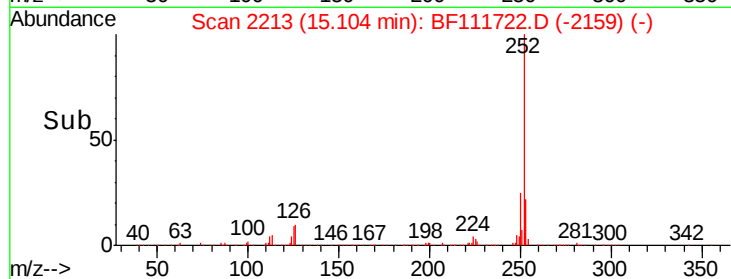
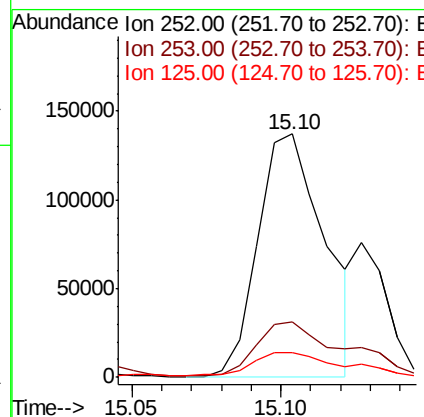
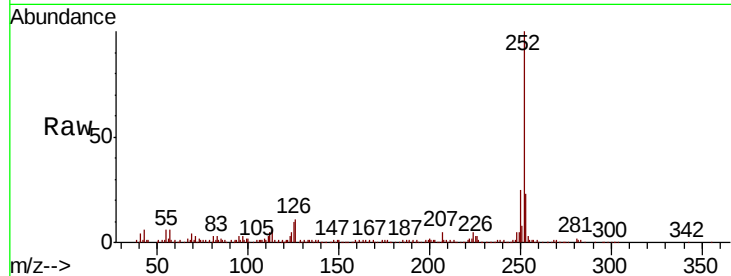
#88
Benzo(b)fluoranthene
Concen: 6.825 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Instrument :
BNA_F
ClientSampleId :
72-11989

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	10.1	10.4	15.6

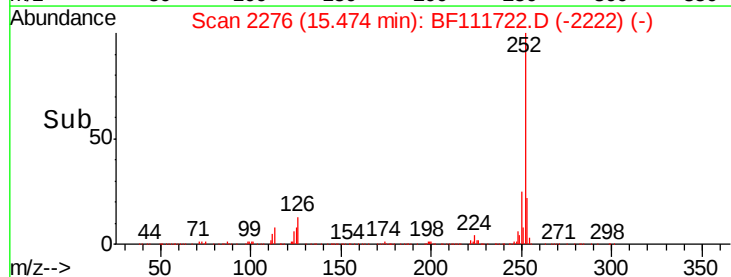
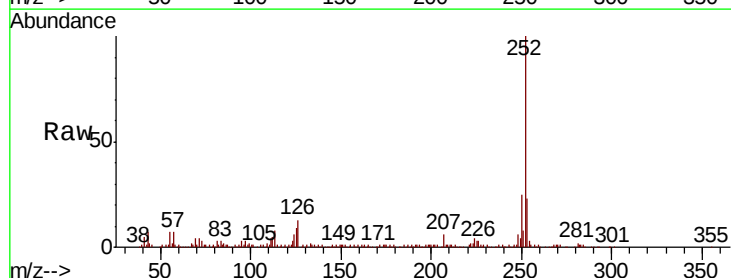
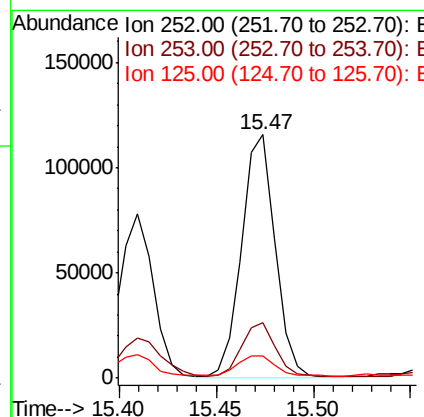
Manual Integrations
APPROVED

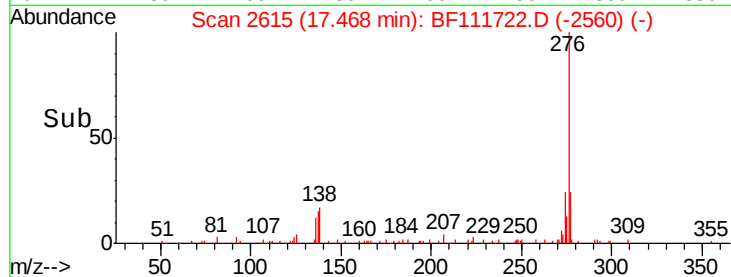
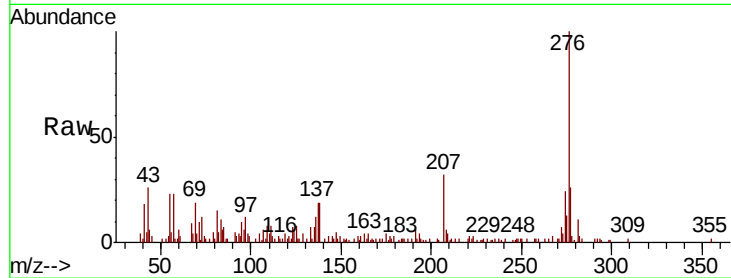
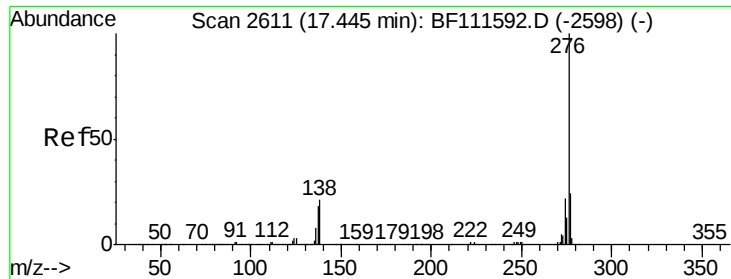
Sohil
12/27/2018 8:22:24 AM



#90
Benzo(a)pyrene
Concen: 4.943 ng m
RT: 15.47 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF111722.D
Acq: 26 Dec 2018 19:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	9.3	12.3	18.5





#92
 Benzo(a,h,i)perylene
 Concen: 2.185 ng/ml
 RT: 17.47 min Scan# 2615
 Delta R.T. 0.02 min
 Lab File: BF111722.D
 Acq: 26 Dec 2018 19:14

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	19.3	24.9	37.3

Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:24 AM

