

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112958.D
 Acq On : 11 Mar 2019 16:53
 Operator : JU/SJ
 Sample : K1785-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SD3-0.0-0.5

Manual Integrations
 APPROVED

Sohil
 3/12/2019 4:28:35 PM

Quant Time: Mar 12 04:57:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	134215	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	513722	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	271973	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	639858	20.00	ng	0.00
76) Chrysene-d12	13.86	240	571893	20.00	ng	-0.01
87) Perylene-d12	15.27	264	494722	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	946317	109.68	ng	-0.01
7) Phenol-d6	6.36	99	1265688	116.78	ng	0.00
23) Nitrobenzene-d5	7.29	82	746432	86.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	431263	149.36	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1134735	64.96	ng	-0.01
79) Terphenyl-d14	12.82	244	1423820	48.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	40431	3.197	ng	98
50) Dimethylphthalate	9.48	163	100520	5.012	ng	100
71) Phenanthrene	11.26	178	277760	8.725	ng	98
72) Anthracene	11.31	178	102740	3.083	ng	98
75) Fluoranthene	12.45	202	882411	25.871	ng	97
78) Pyrene	12.67	202	791022	16.407	ng	99
81) Benzo(a)anthracene	13.85	228	465566	11.746	ng	97
83) Chrysene	13.89	228	402018	10.355	ng	96
86) Indeno(1,2,3-cd)pyrene	16.62	276	185383m	5.601	ng	
88) Benzo(b)fluoranthene	14.87	252	431654m	13.489	ng	
89) Benzo(k)fluoranthene	14.89	252	156879m	5.412	ng	
90) Benzo(a)pyrene	15.21	252	308242	10.890	ng	97
91) Dibenzo(a,h)anthracene	16.63	278	53340	2.208	ng	94
92) Benzo(a,h,i)perylene	17.03	276	161987	6.679	ng	96

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

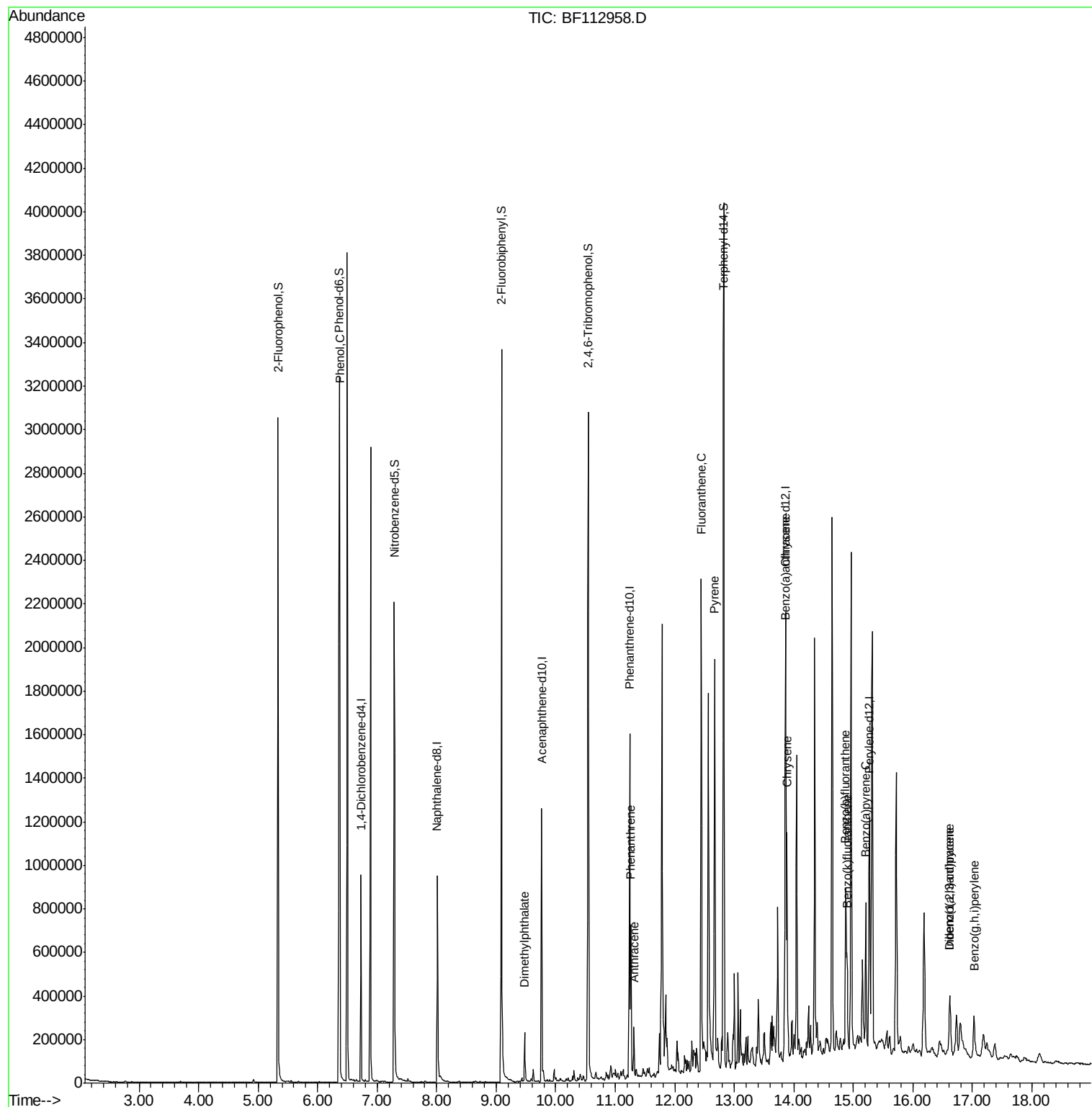
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112958.D
Acq On : 11 Mar 2019 16:53
Operator : JU/SJ
Sample : K1785-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

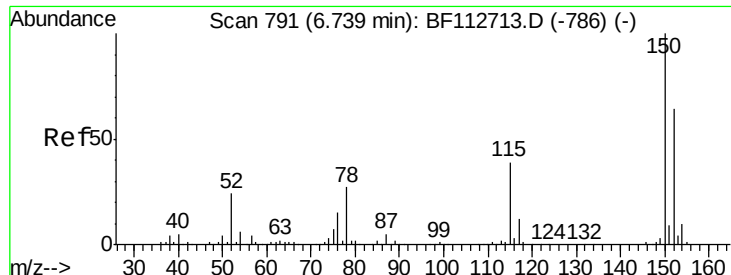
Instrument :
BNA_F
ClientSampleId :
SD3-0.0-0.5

Manual Integrations
APPROVED

Sohil
3/12/2019 4:28:35 PM

Quant Time: Mar 12 04:57:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration





#1

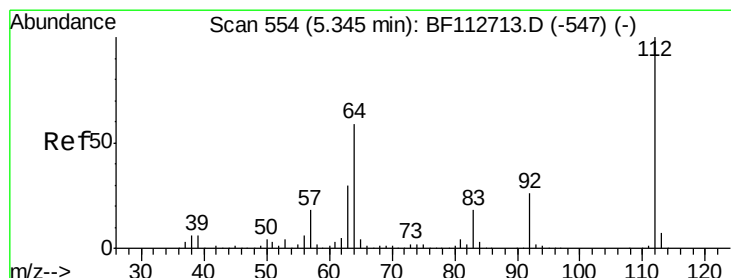
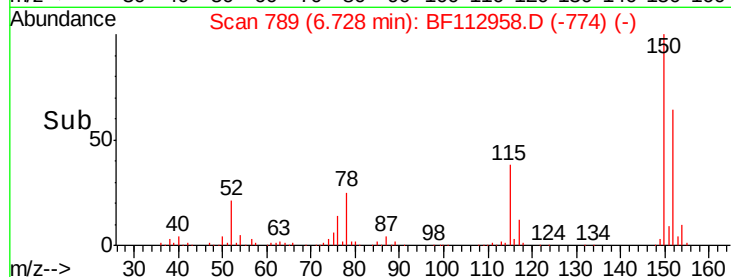
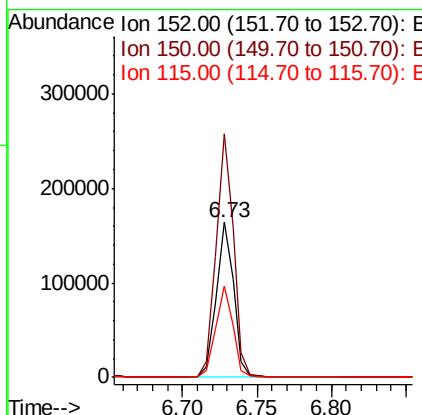
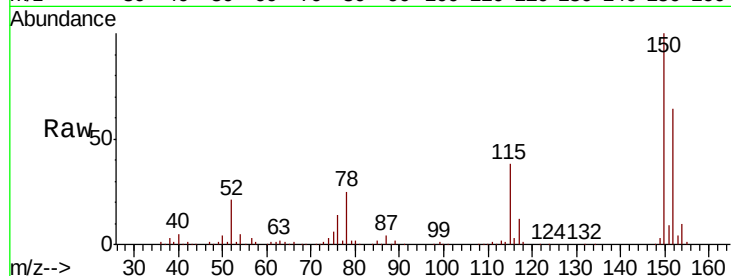
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SD3-0.0-0.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.2	186.2
115	59.0	48.2	72.4

Manual Integrations
APPROVED

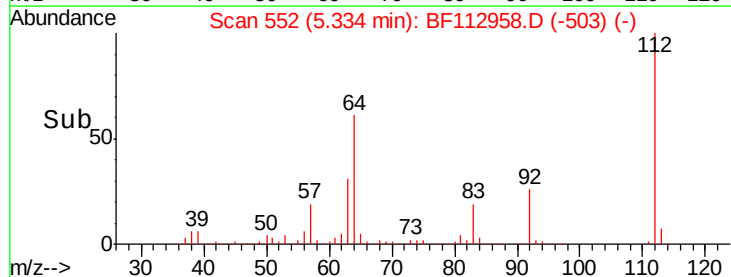
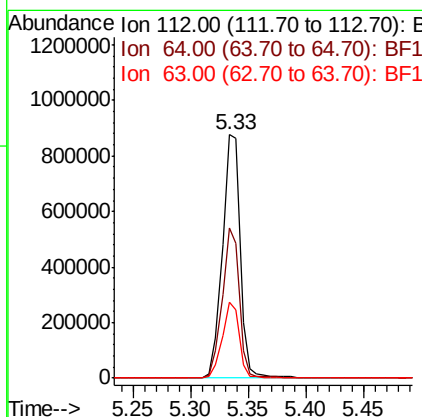
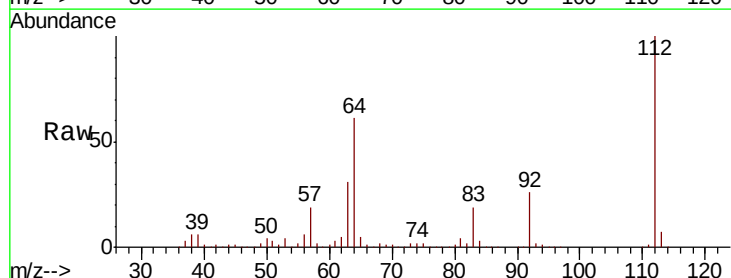
Sohil
3/12/2019 4:28:35 PM

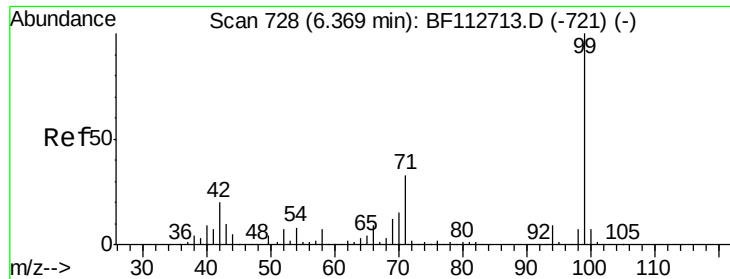


#5

2-Fluorophenol
Concen: 109.678 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	47.6	71.4
63	30.9	24.4	36.6





#7

Phenol-d6

Concen: 116.778 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112958.D

Acq: 11 Mar 2019 16:53

Instrument :

BNA_F

ClientSampleId :

SD3-0.0-0.5

Tot Ion: 99 Resp: 1265688

Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

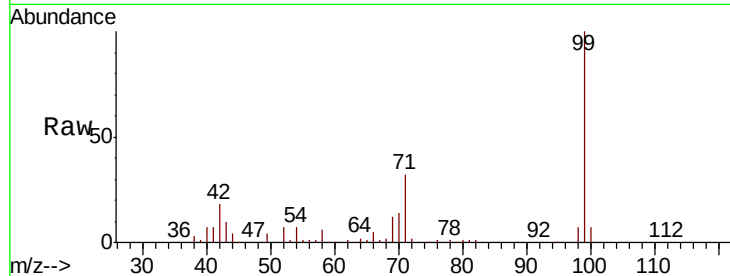
71 32.0 26.2 39.4

Manual Integrations

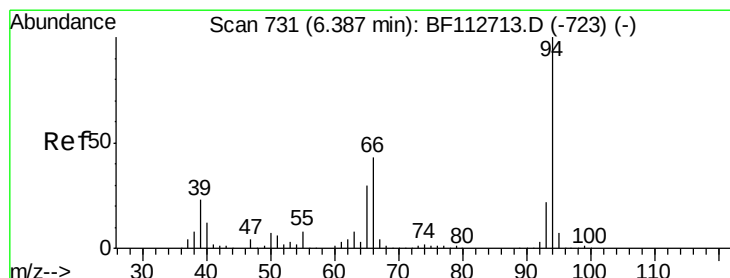
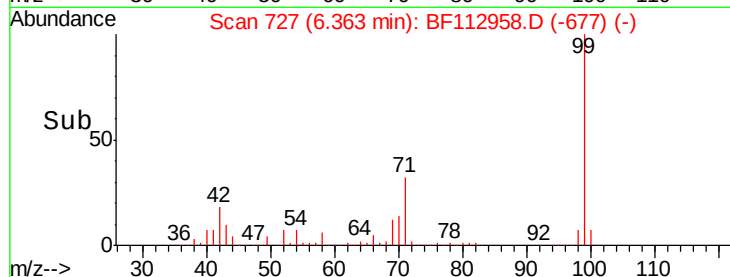
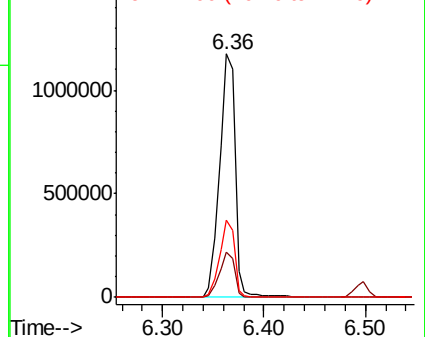
APPROVED

Sohil

3/12/2019 4:28:35 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.197 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112958.D

Acq: 11 Mar 2019 16:53

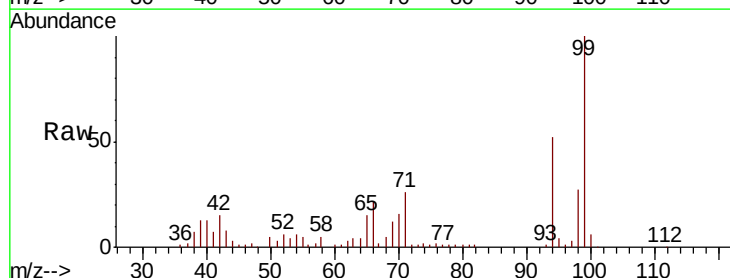
Tgt Ion: 94 Resp: 40431

Ion Ratio Lower Upper

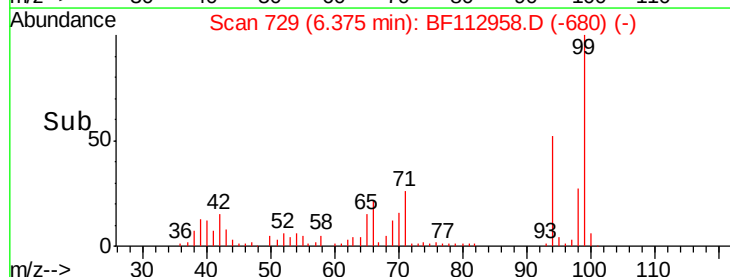
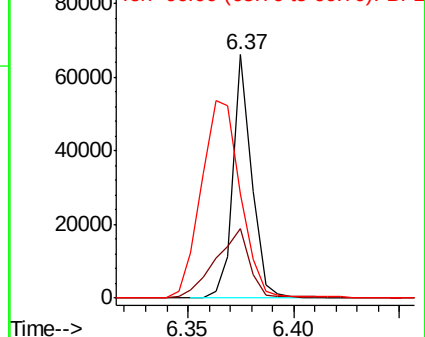
94 100

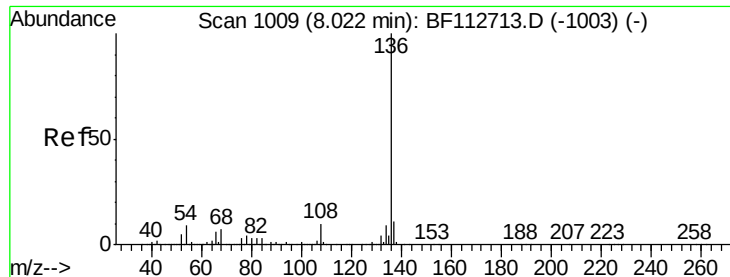
65 28.4 10.5 50.5

66 42.7 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





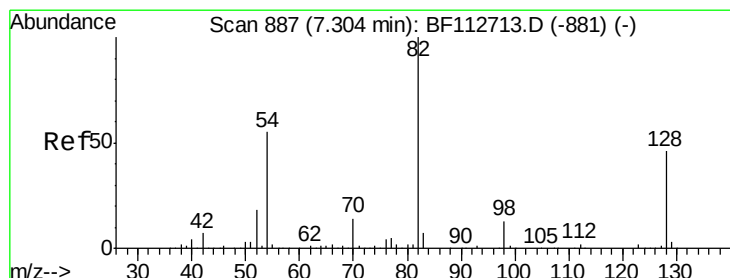
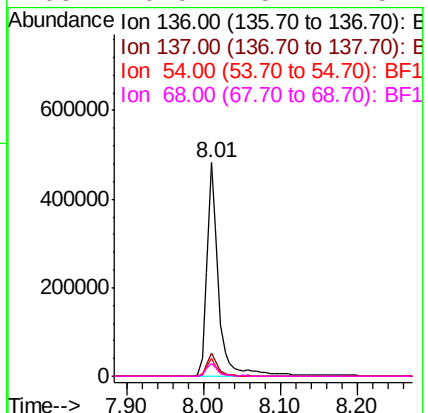
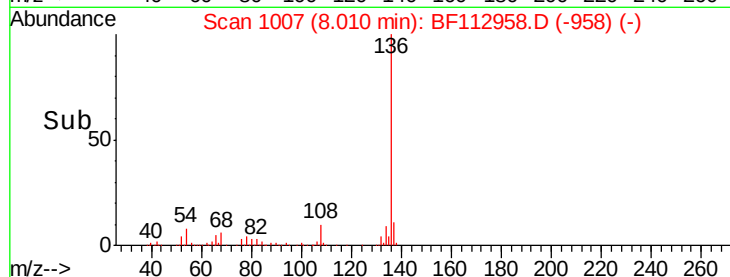
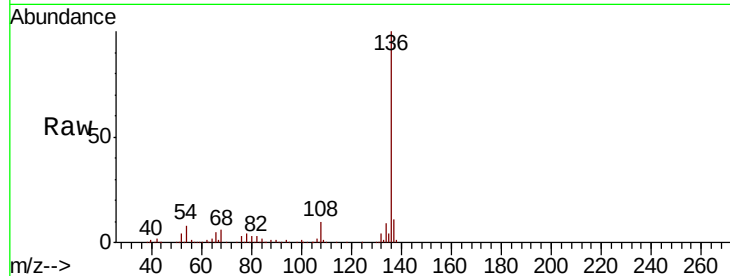
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SD3-0.0-0.5

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	8.3	7.3	10.9	
68	6.0	5.4	8.2	

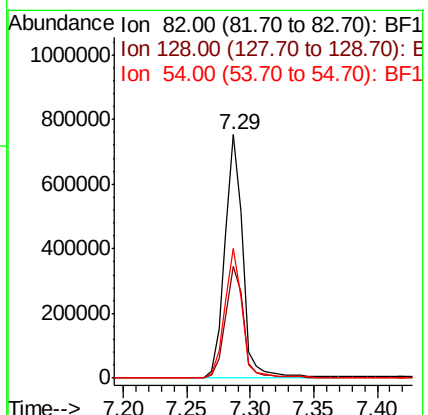
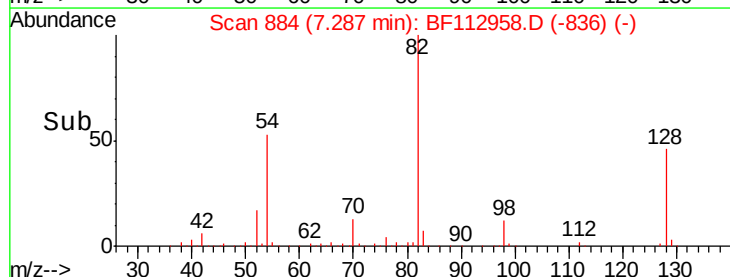
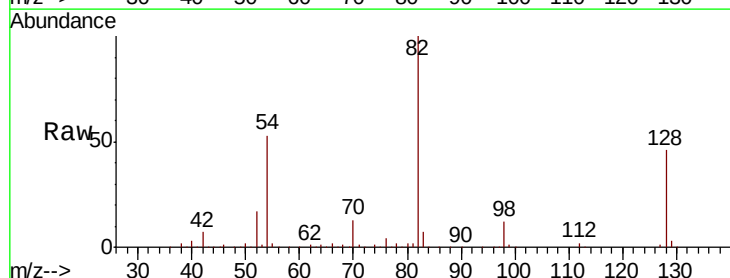
Manual Integrations
APPROVED

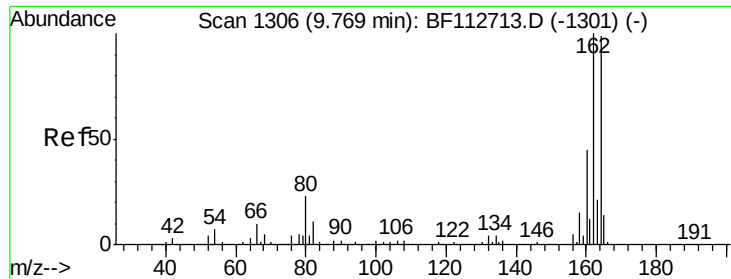
Sohil
3/12/2019 4:28:35 PM



#23
Nitrobenzene-d5
Concen: 86.944 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	36.3	54.5	
54	53.2	43.7	65.5	





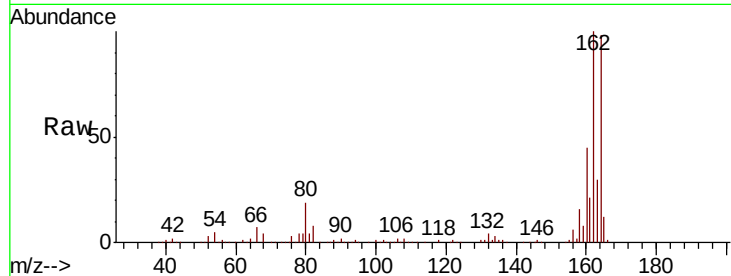
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SD3-0.0-0.5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	271973		
162	102.1	80.6	120.8	
160	46.2	36.0	54.0	

Manual Integrations
APPROVED

Sohil
3/12/2019 4:28:35 PM

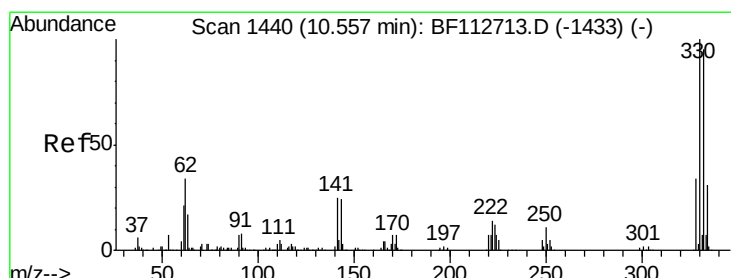
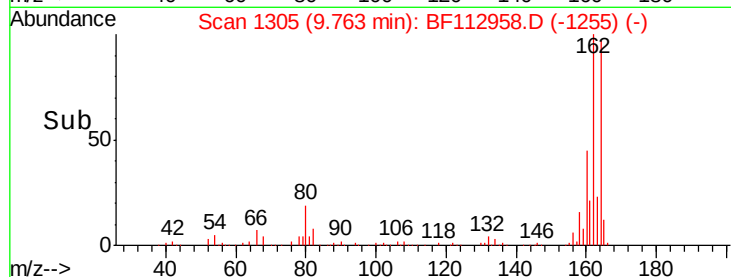
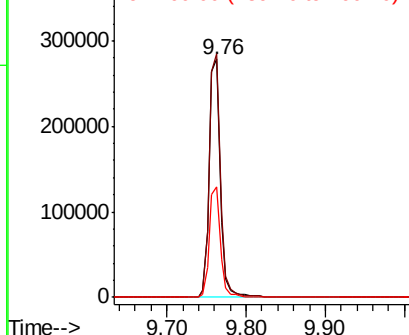


Abundance

Ion 164.00 (163.70 to 164.70): E

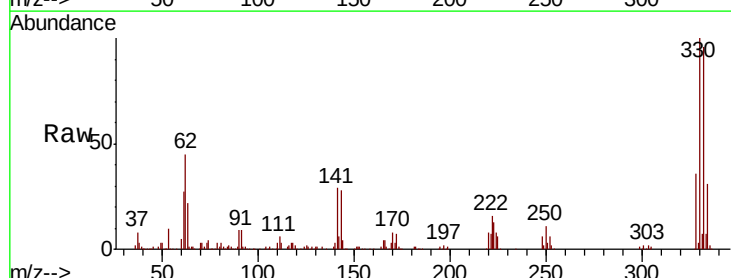
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 149.364 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	431263		
332	95.7	76.2	114.4	
141	28.2	27.0	40.6	

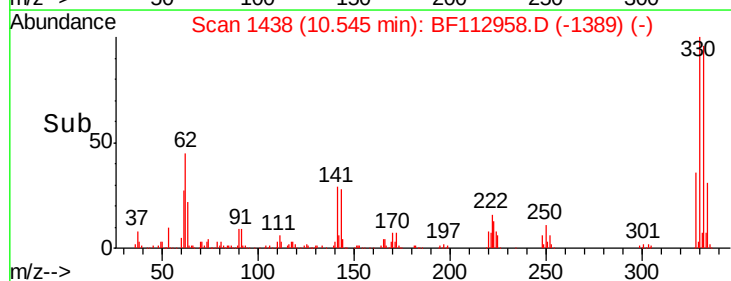
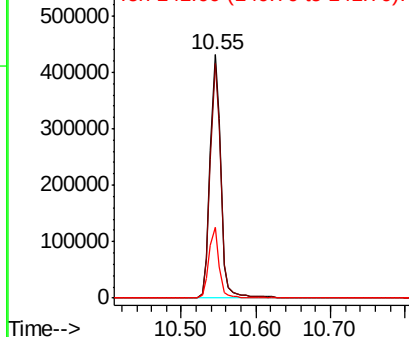


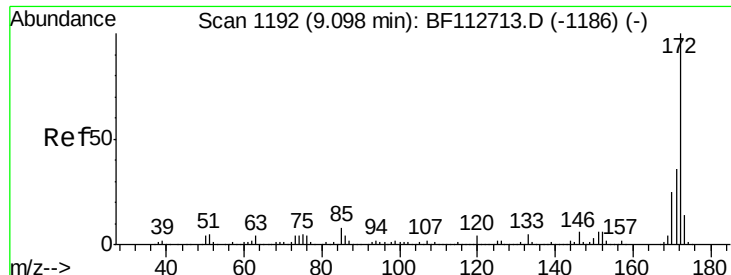
Abundance

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





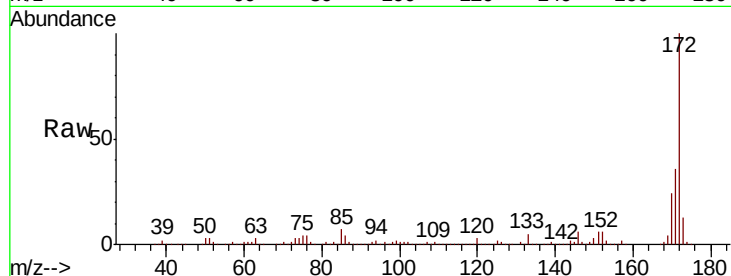
#45
2-Fluorobiphenyl
Concen: 64.961 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SD3-0.0-0.5

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.4
170	24.3	20.0	30.0

Manual Integrations
APPROVED

Sohil
3/12/2019 4:28:35 PM

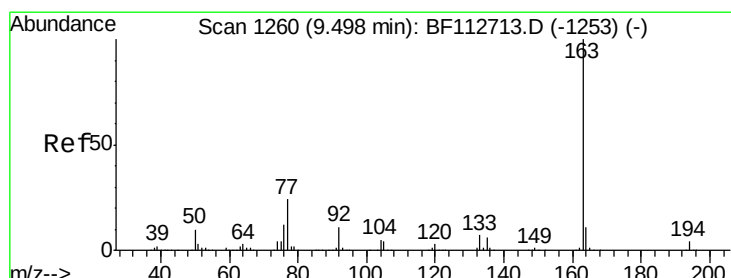
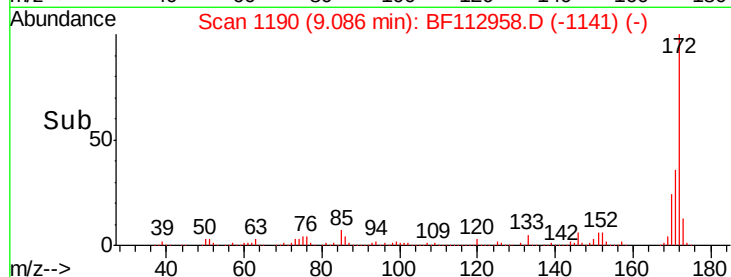
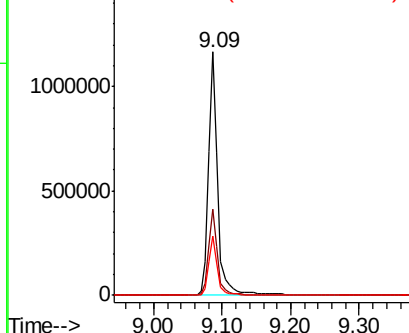


Abundance

Ion 172.00 (171.70 to 172.70): E

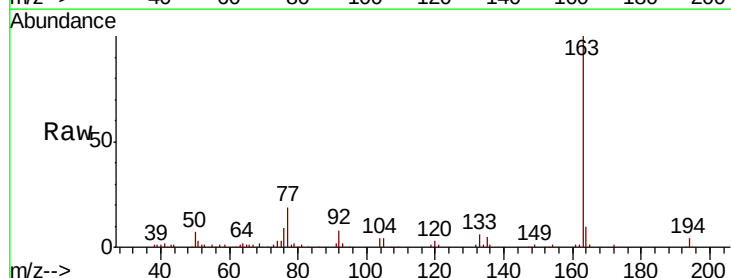
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.012 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.5	8.4	12.6

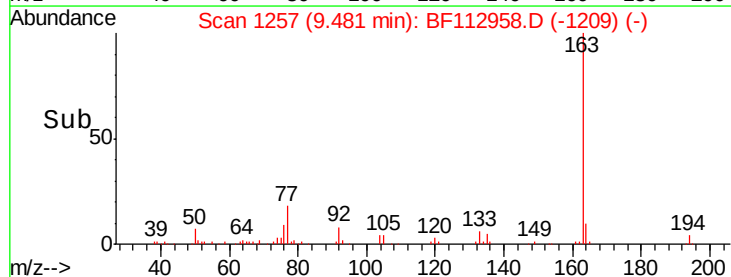
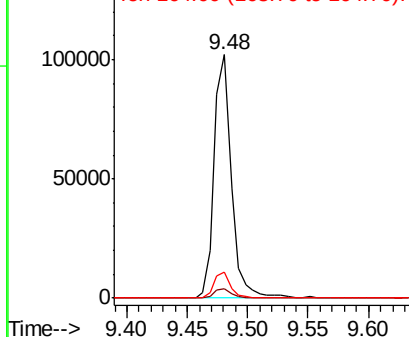


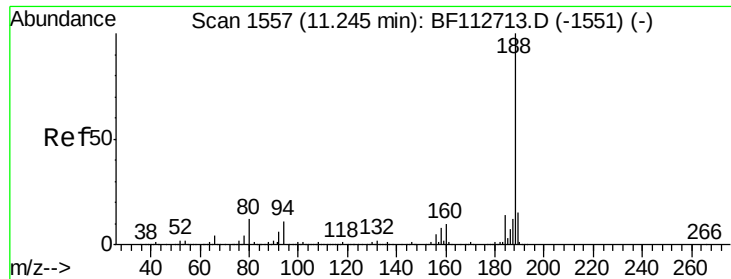
Abundance

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





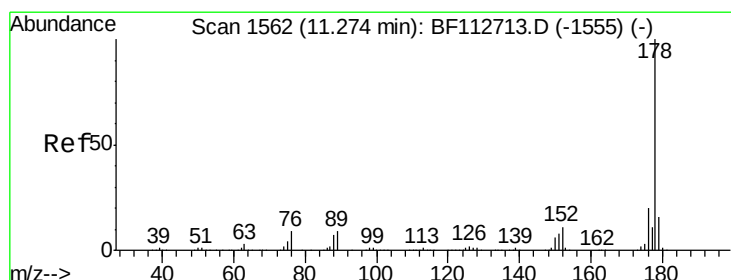
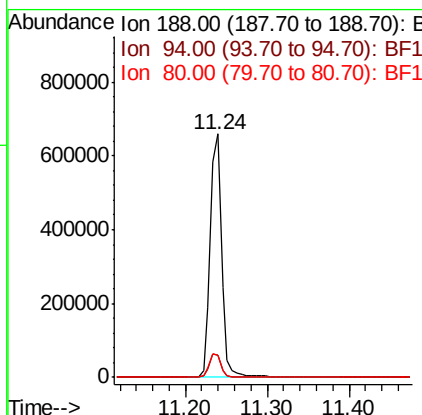
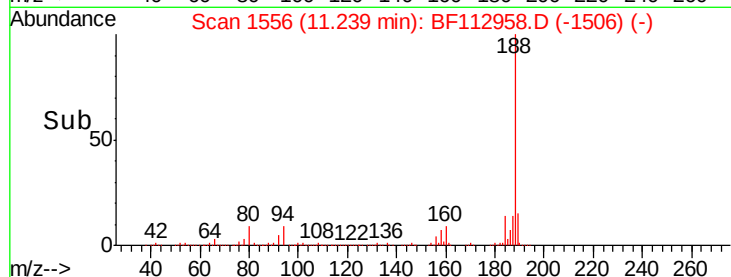
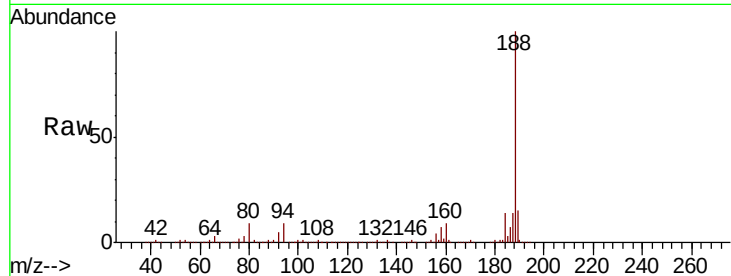
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SD3-0.0-0.5

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.1	9.0	13.4
80	9.2	9.2	13.8

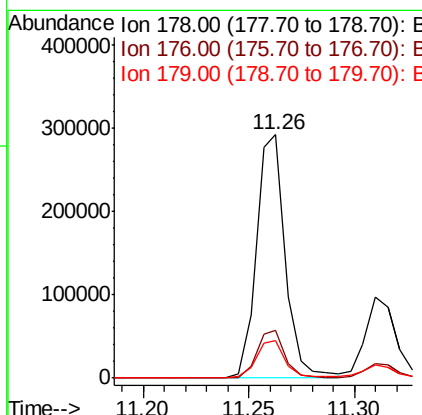
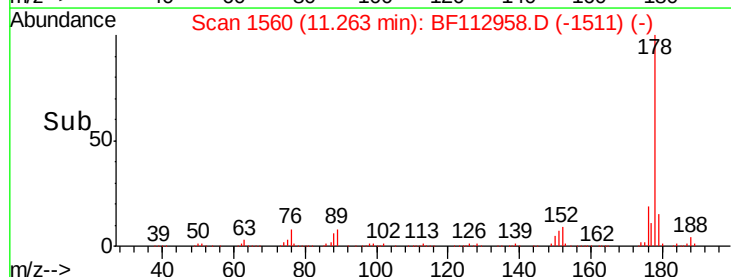
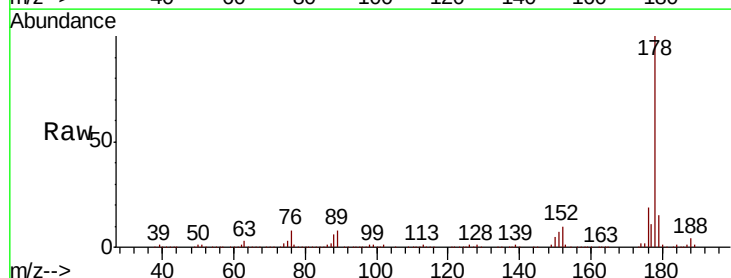
Manual Integrations
APPROVED

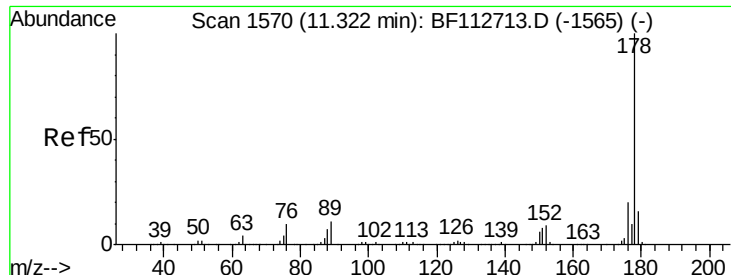
Sohil
3/12/2019 4:28:35 PM



#71
Phenanthrene
Concen: 8.725 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.3	24.5
179	15.2	12.7	19.1





#72

Anthracene

Concen: 3.083 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF112958.D

Acq: 11 Mar 2019 16:53

Instrument :

BNA_F

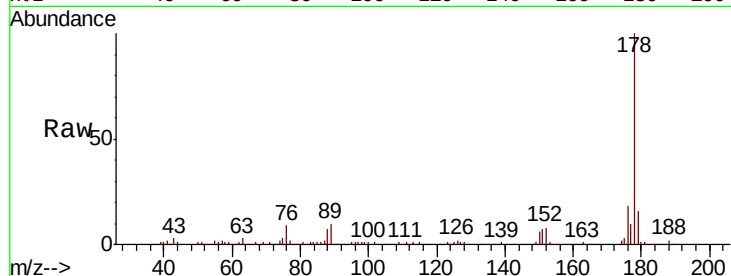
ClientSampleId :

SD3-0.0-0.5

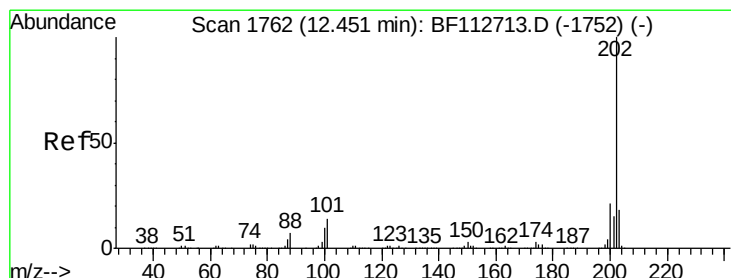
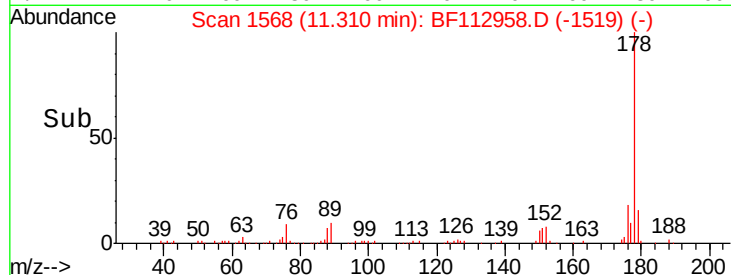
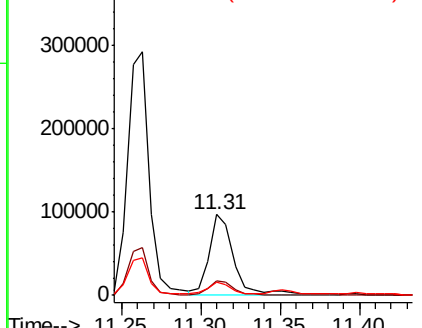
Tot Ion:	178	Resp:	102740
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.8	23.6
179	16.1	13.0	19.6

Manual Integrations
APPROVED

Sohil
3/12/2019 4:28:35 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 25.871 ng

RT: 12.45 min Scan# 1761

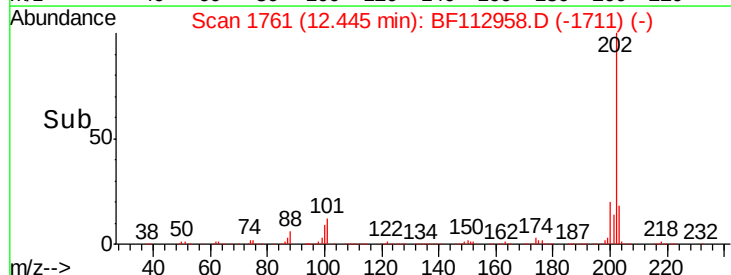
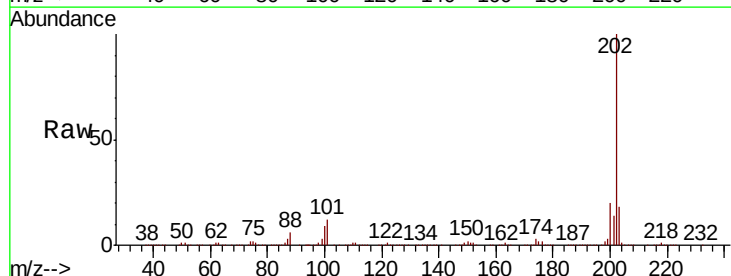
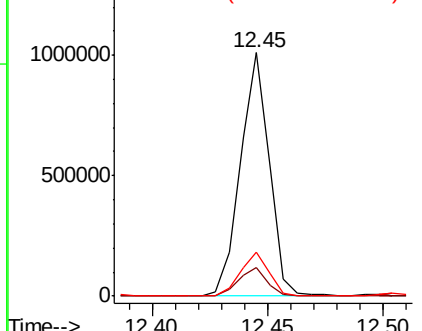
Delta R.T. -0.01 min

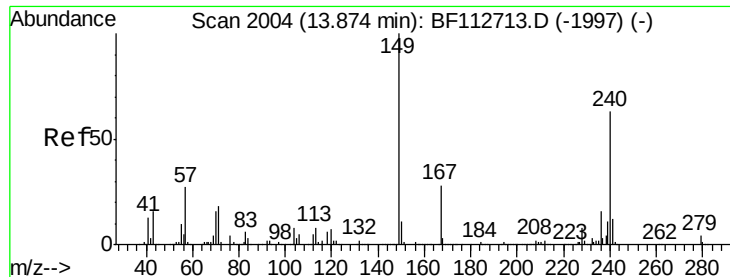
Lab File: BF112958.D

Acq: 11 Mar 2019 16:53

Tgt Ion:	202	Resp:	882411
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	33.8
203	17.9	0.0	38.4

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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112958.D

Acq: 11 Mar 2019 16:53

Instrument :

BNA_F

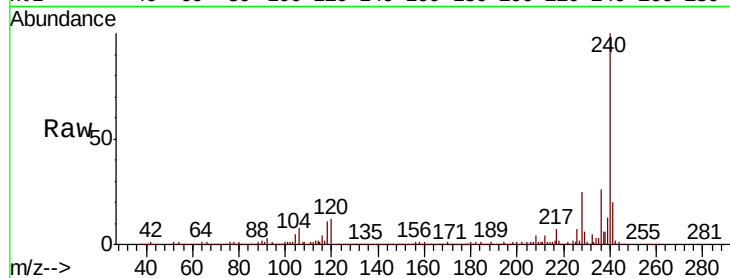
ClientSampleId :

SD3-0.0-0.5

Tot Ion:	240	Resp:	571893
Ion Ratio		Lower	Upper
240	100		
120	12.4	8.9	13.3
236	26.2	20.7	31.1

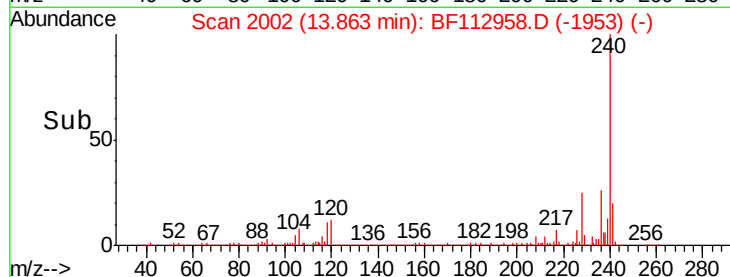
Manual Integrations
APPROVED

Sohil
3/12/2019 4:28:35 PM

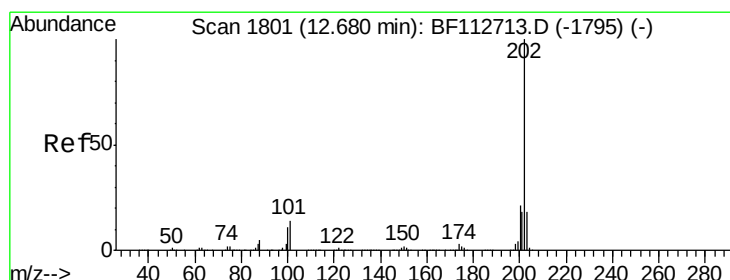


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

13.86



Time-->



#78

Pyrene

Concen: 16.407 ng

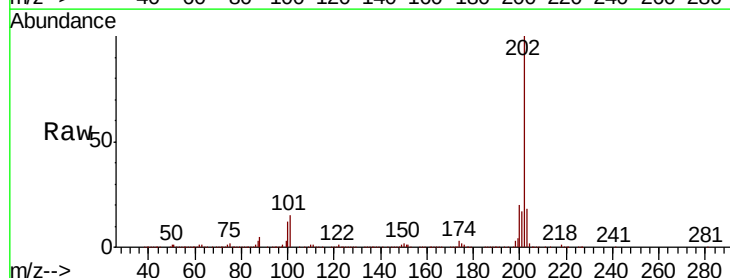
RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF112958.D

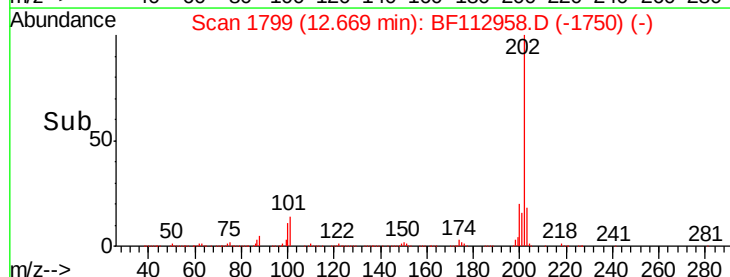
Acq: 11 Mar 2019 16:53

Tgt Ion:	202	Resp:	791022
Ion Ratio		Lower	Upper
202	100		
200	20.4	17.0	25.4
203	18.4	14.4	21.6

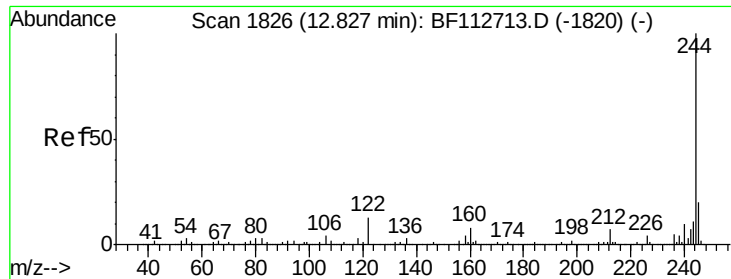


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.67



Time-->



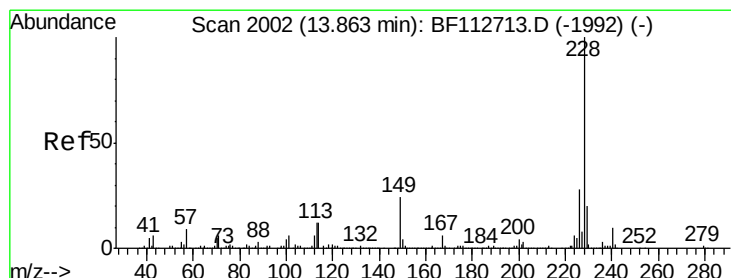
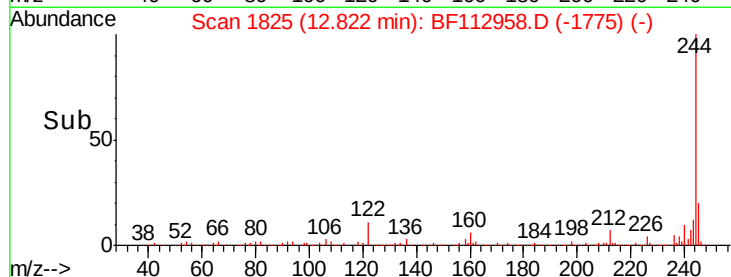
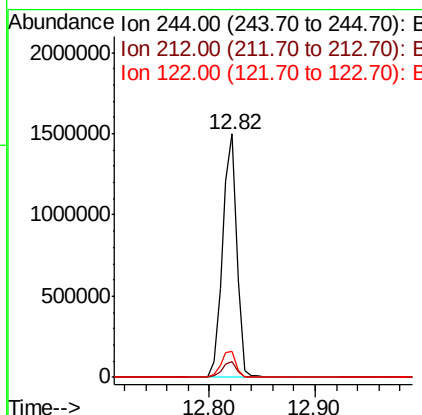
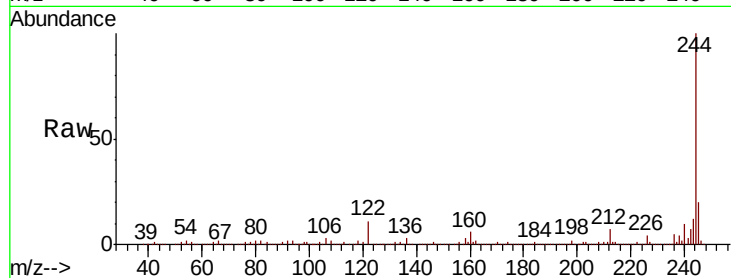
#79
 Terphenyl-d14
 Concen: 48.262 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112958.D
 Acq: 11 Mar 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SD3-0.0-0.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	10.6	10.5	15.7

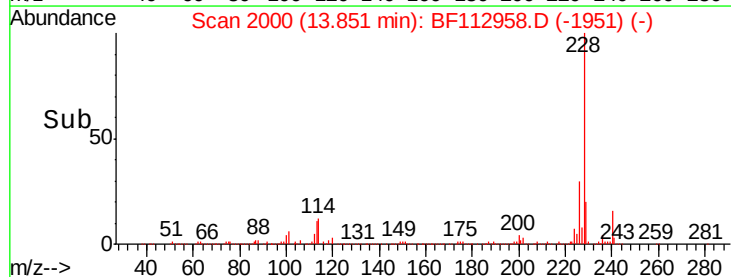
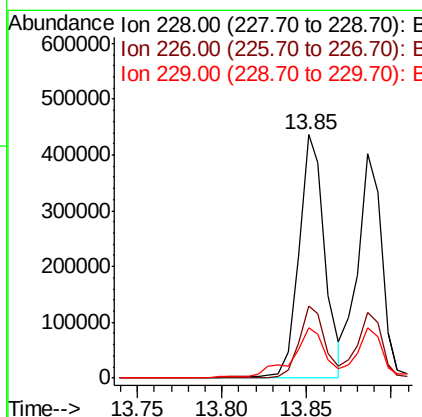
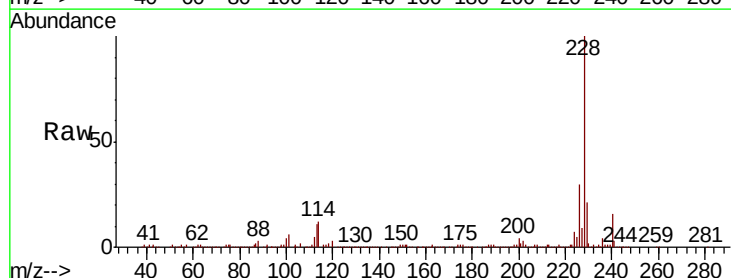
Manual Integrations
 APPROVED

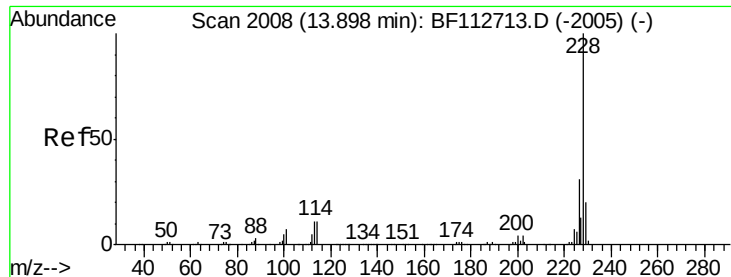
Sohil
 3/12/2019 4:28:35 PM



#81
 Benzo(a)anthracene
 Concen: 11.746 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF112958.D
 Acq: 11 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.2	33.4
229	20.9	16.0	24.0





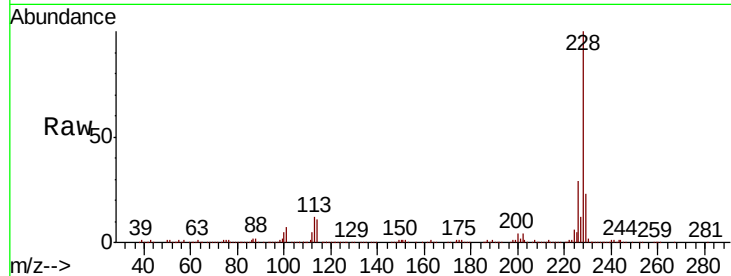
#83
Chrysene
Concen: 10.355 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Instrument :
BNA_F
ClientSampled :
SD3-0.0-0.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	22.7	16.3	24.5

Manual Integrations
APPROVED

Sohil
3/12/2019 4:28:35 PM

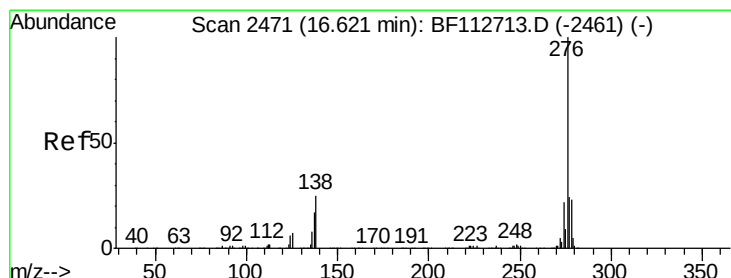
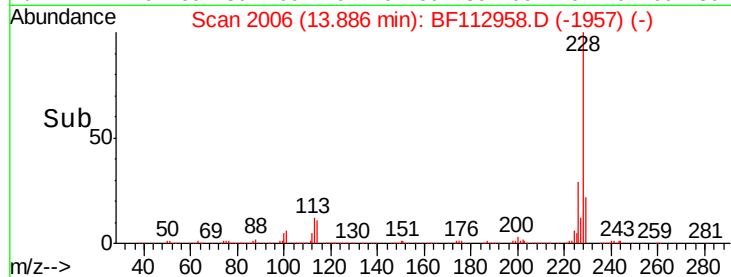
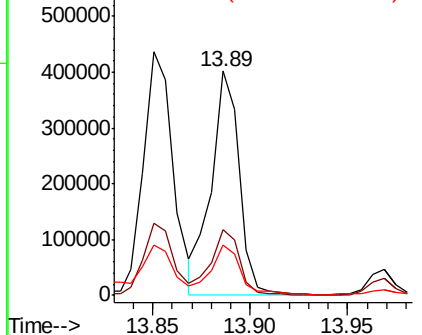


Abundance

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



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.601 ng m
RT: 16.62 min Scan# 2471
Delta R.T. 0.00 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

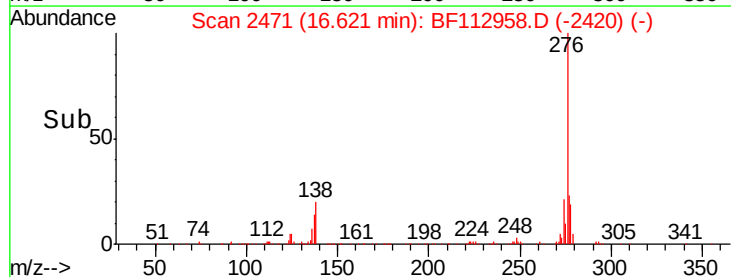
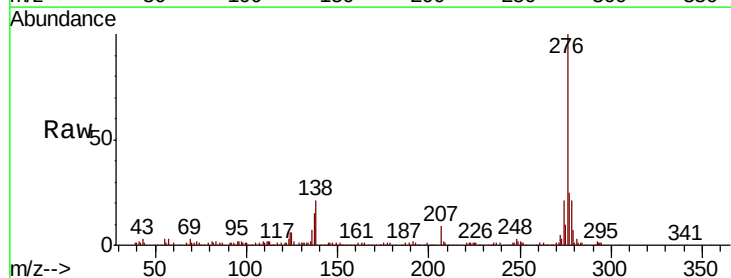
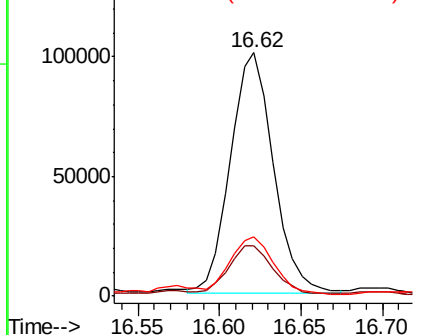
Tgt Ion	Ratio	Lower	Upper
276	100		
138	1.1	23.2	34.8#
277	1.2	19.9	29.9#

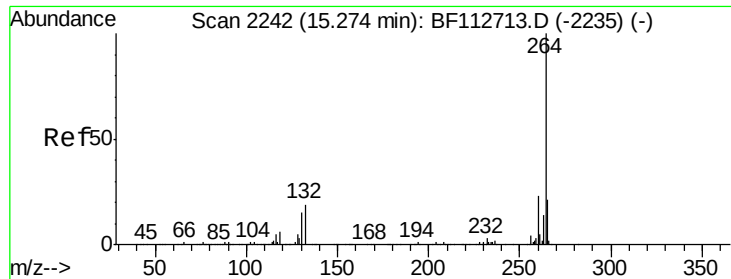
Abundance

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





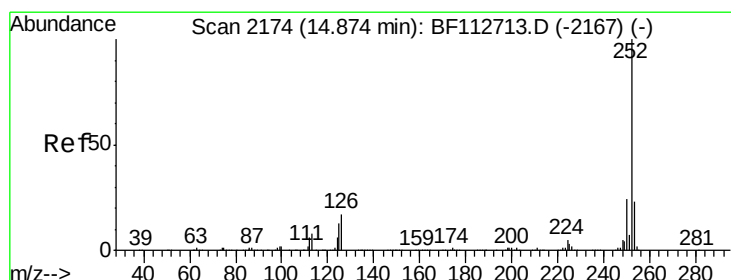
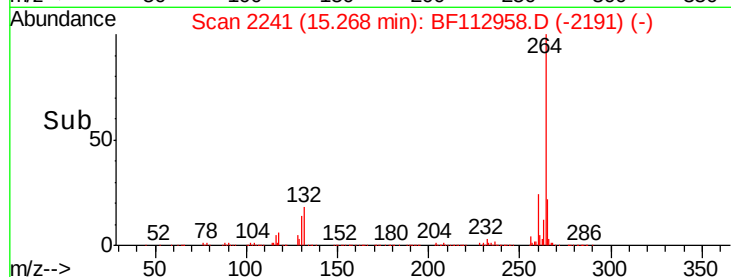
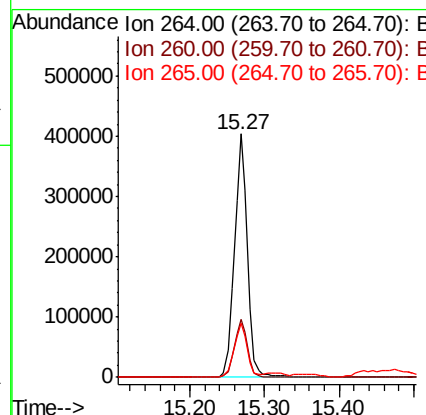
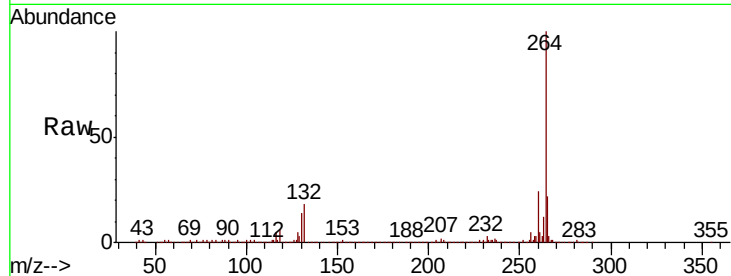
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Instrument :
BNA_F
ClientSampled :
SD3-0.0-0.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.2	17.2	25.8

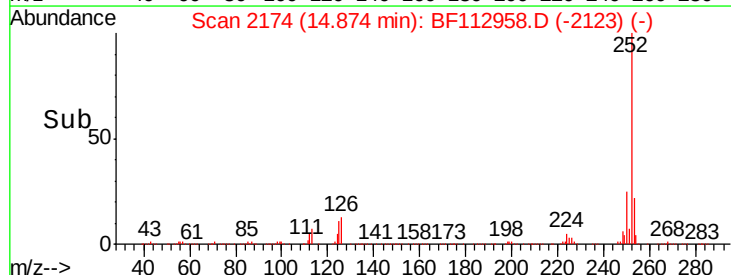
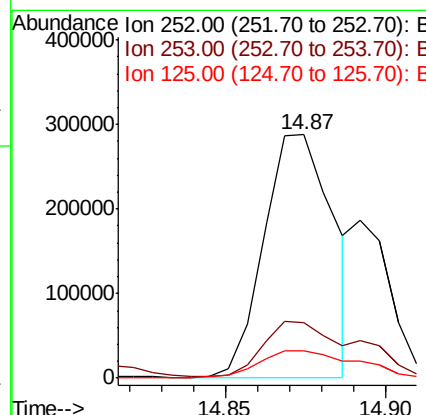
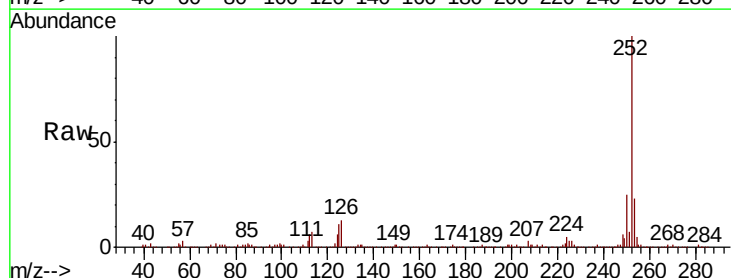
Manual Integrations
APPROVED

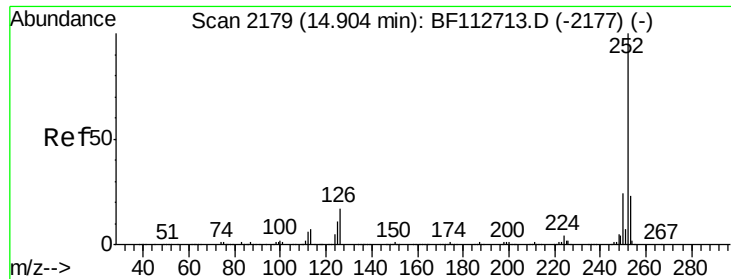
Sohil
3/12/2019 4:28:35 PM



#88
Benzo(b)fluoranthene
Concen: 13.489 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.5	10.2	15.2





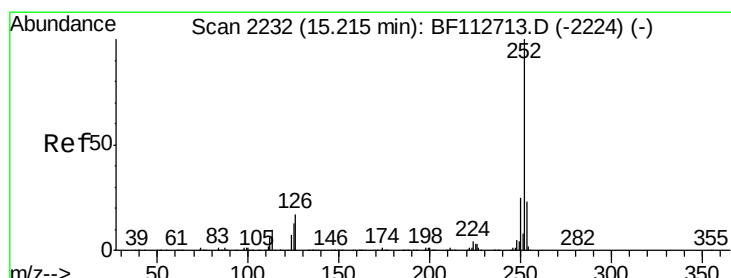
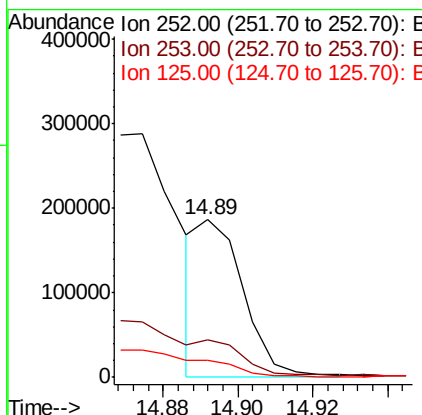
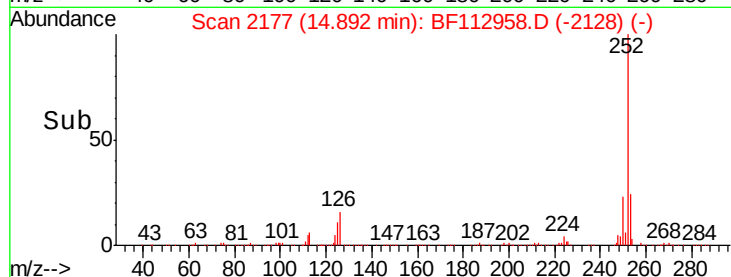
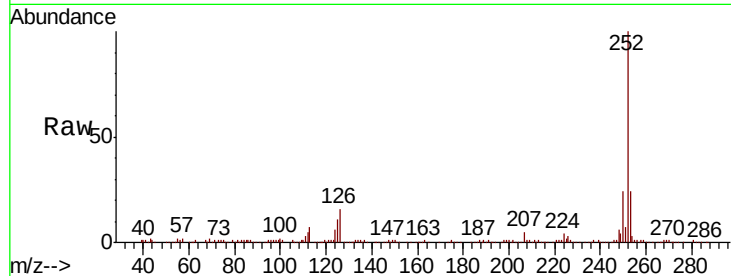
#89
Benzo(k)fluoranthene
Concen: 5.412 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SD3-0.0-0.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	10.9	9.8	14.6

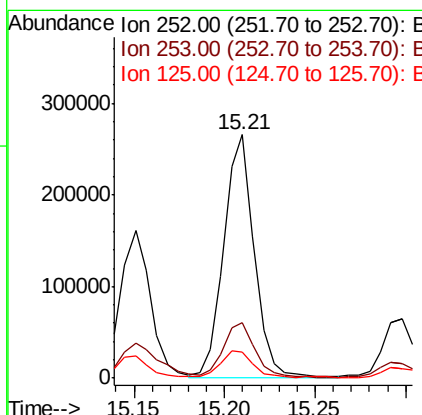
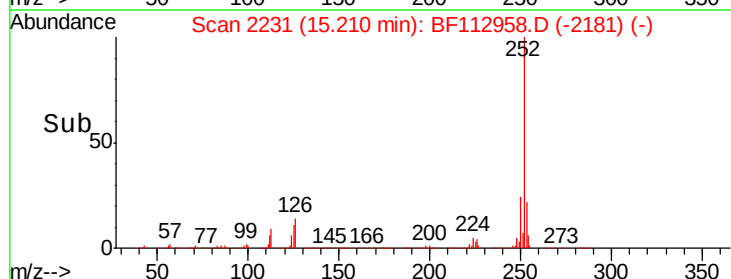
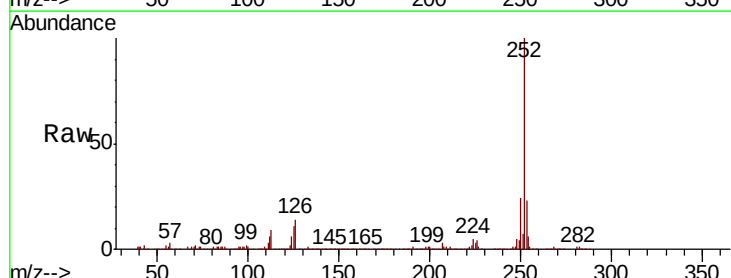
Manual Integrations
APPROVED

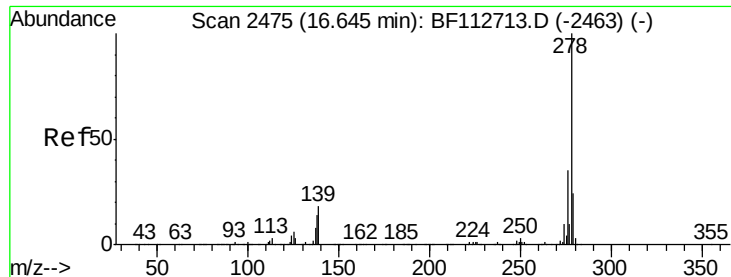
Sohil
3/12/2019 4:28:35 PM



#90
Benzo(a)pyrene
Concen: 10.890 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112958.D
Acq: 11 Mar 2019 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	10.8	10.7	16.1





#91

Dibenzo(a,h)anthracene

Concen: 2.208 ng

RT: 16.63 min Scan# 2472

Delta R.T. -0.02 min

Lab File: BF112958.D

Acq: 11 Mar 2019 16:53

Instrument :

BNA_F

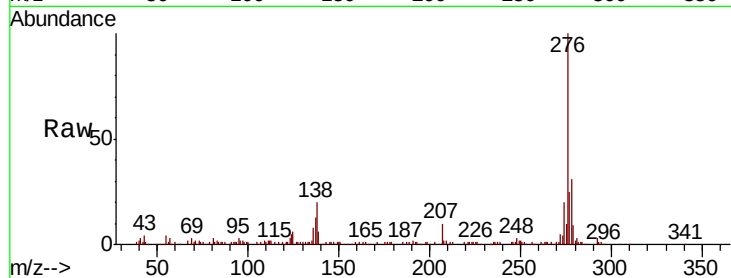
ClientSampleId :

SD3-0.0-0.5

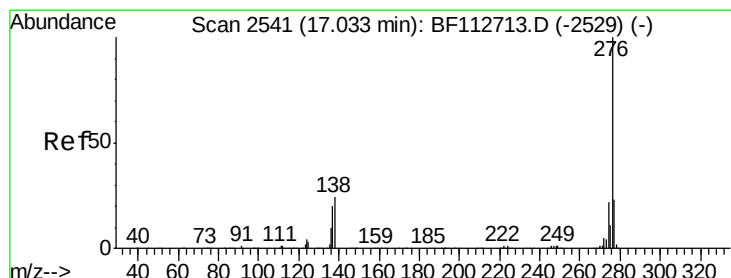
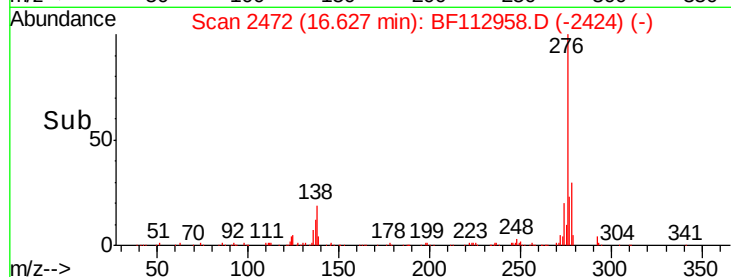
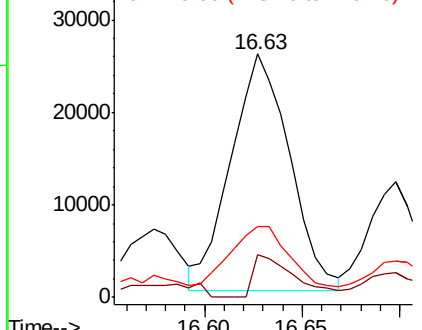
Tot Ion:	278	Resp:	53340
Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.3	21.5
279	28.9	19.4	29.0

Manual Integrations
APPROVED

Sohil
3/12/2019 4:28:35 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 6.679 ng

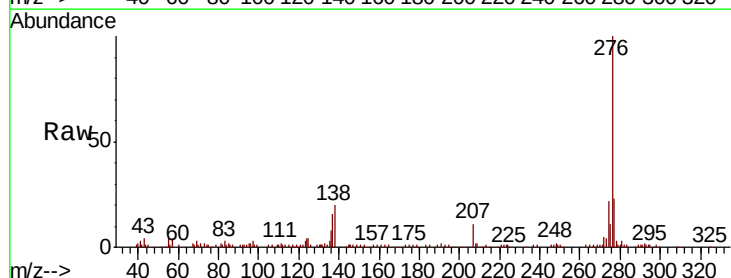
RT: 17.03 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF112958.D

Acq: 11 Mar 2019 16:53

Tgt Ion:	276	Resp:	161987
Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	27.8
138	20.3	19.4	29.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

