

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
 Data File : BF113010.D
 Acq On : 12 Mar 2019 18:38
 Operator : JU/SJ
 Sample : K1697-07 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-031119-B

Manual Integrations
 APPROVED

Sohil
 3/13/2019 11:40:37 AM

Quant Time: Mar 13 04:28:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	178206	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	612397	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	281409	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	489700	20.00	ng	0.00
76) Chrysene-d12	13.86	240	504672	20.00	ng	0.00
87) Perylene-d12	15.27	264	432245	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	177808	15.52	ng	-0.01
7) Phenol-d6	6.36	99	235472	16.36	ng	-0.01
23) Nitrobenzene-d5	7.29	82	122419	11.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	53689	17.97	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	247694	10.68	ng	0.00
79) Terphenyl-d14	12.82	244	224983	8.64	ng	0.00
Target Compounds						
58) Fluorene	10.31	166	37889	2.064	ng	94
71) Phenanthrene	11.26	178	213495	8.763	ng	98
72) Anthracene	11.32	178	76379	2.995	ng	97
75) Fluoranthene	12.44	202	300131	11.498	ng	97
78) Pyrene	12.67	202	273974	6.440	ng	99
81) Benzo(a)anthracene	13.86	228	144495	4.131	ng	96
83) Chrysene	13.89	228	135232	3.947	ng	96
88) Benzo(b)fluoranthene	14.87	252	150354m	5.378	ng	
90) Benzo(a)pyrene	15.22	252	101199	4.092	ng	99

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

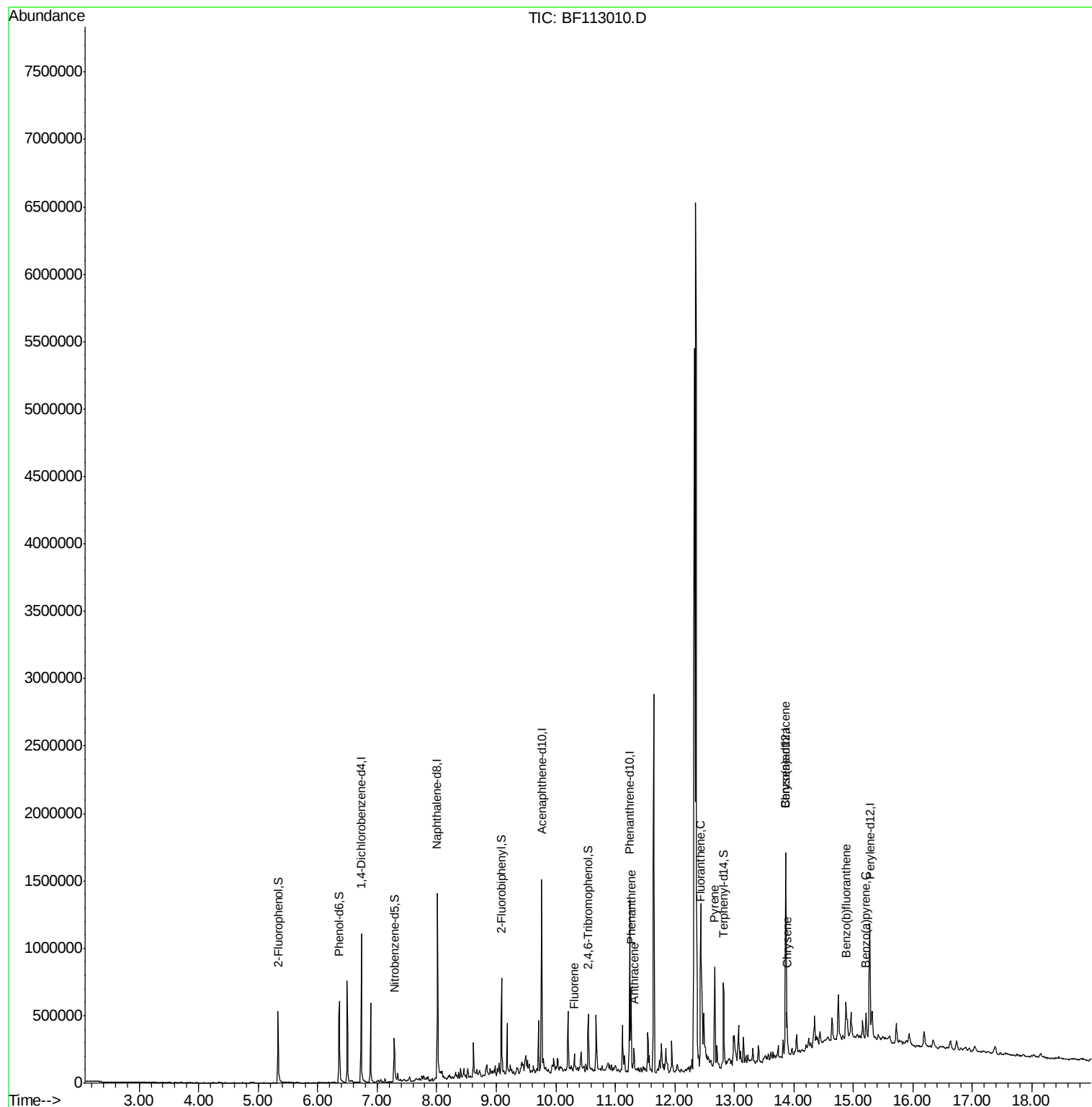
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
Data File : BF113010.D
Acq On : 12 Mar 2019 18:38
Operator : JU/SJ
Sample : K1697-07 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

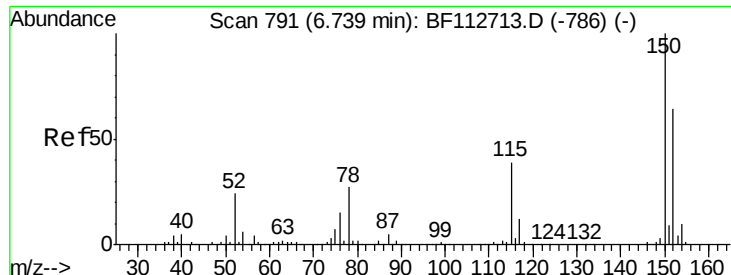
Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

Manual Integrations
APPROVED

Sohil
3/13/2019 11:40:37 AM

Quant Time: Mar 13 04:28:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
Response via : Initial Calibration





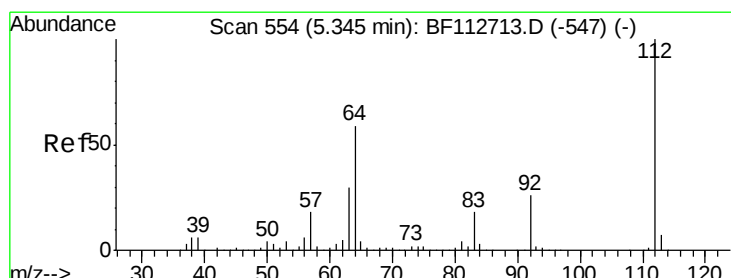
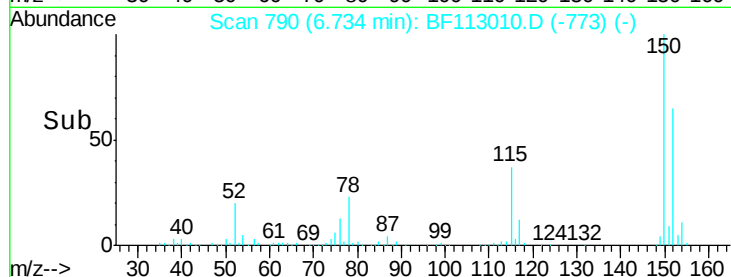
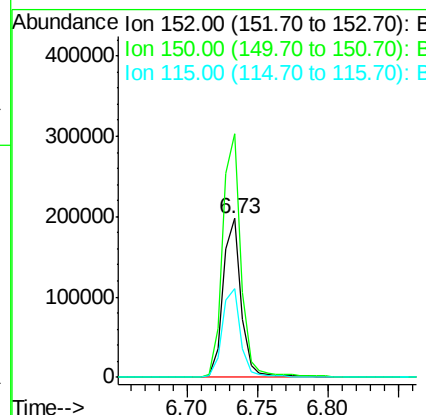
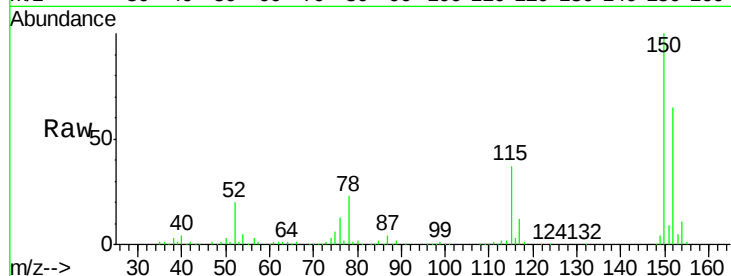
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-031119-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.2	186.2
115	56.1	48.2	72.4

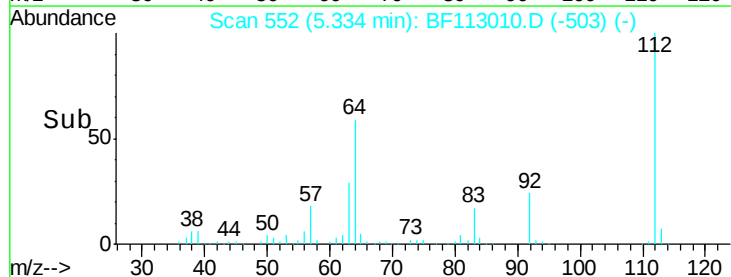
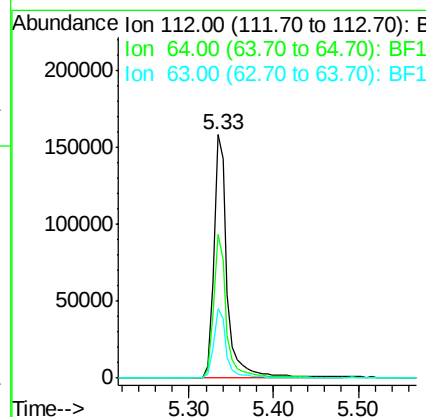
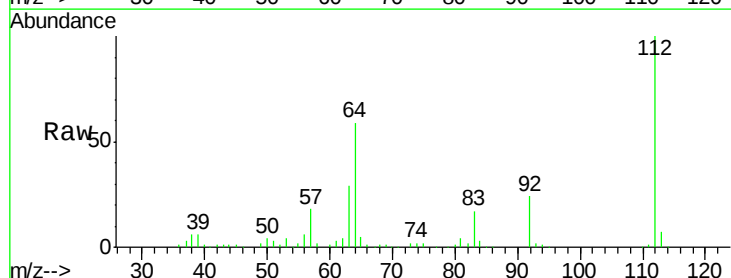
Manual Integrations
 APPROVED

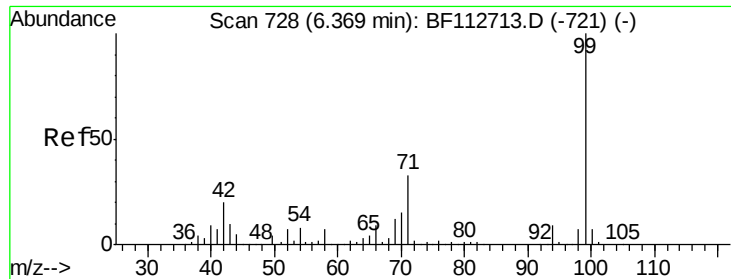
Sohil
 3/13/2019 11:40:37 AM



#5
 2-Fluorophenol
 Concen: 15.521 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.6	71.4
63	28.8	24.4	36.6





#7

Phenol-d6

Concen: 16.363 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113010.D

Acq: 12 Mar 2019 18:38

Instrument :

BNA_F

ClientSampleId :

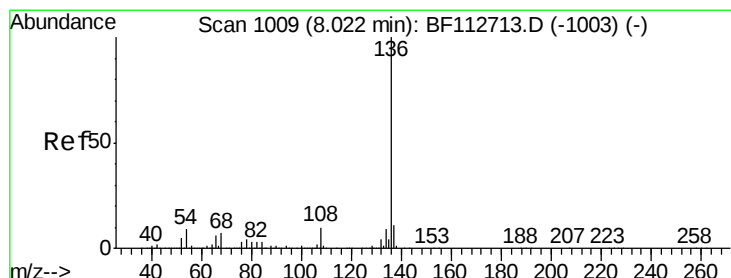
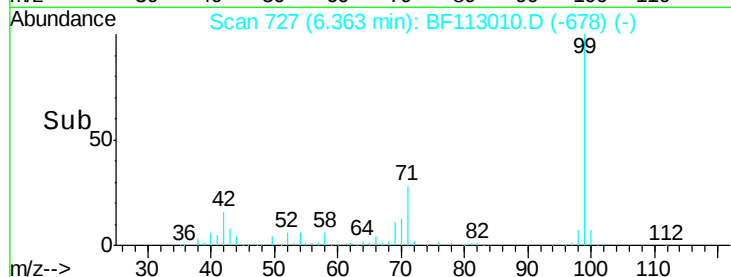
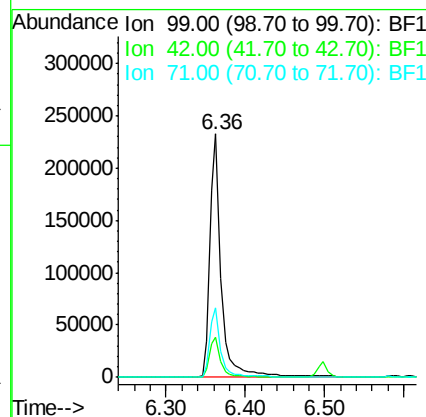
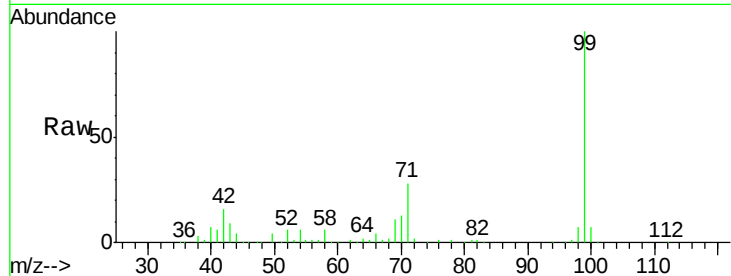
SU-04-031119-B

Tot Ion: 99 Resp: 235472

Ion	Ratio	Lower	Upper
99	100		
42	16.2	16.3	24.5#
71	28.4	26.2	39.4

Manual Integrations
APPROVED

Sohil
3/13/2019 11:40:37 AM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

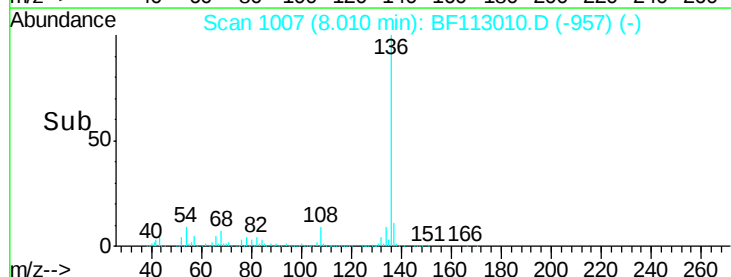
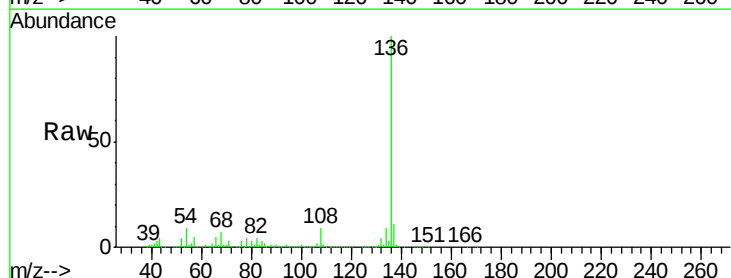
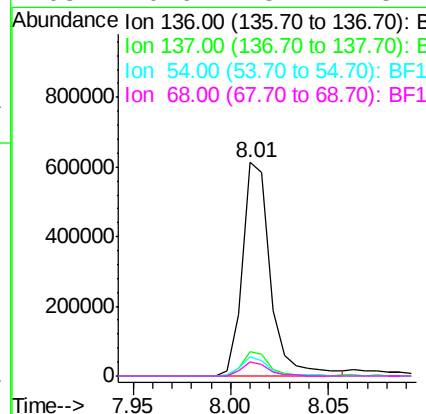
Delta R.T. -0.01 min

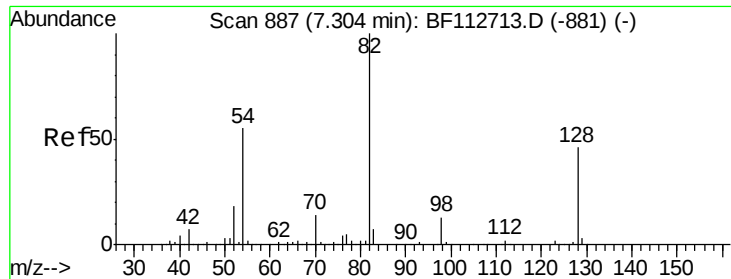
Lab File: BF113010.D

Acq: 12 Mar 2019 18:38

Tgt Ion: 136 Resp: 612397

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	7.3	10.9
68	6.6	5.4	8.2





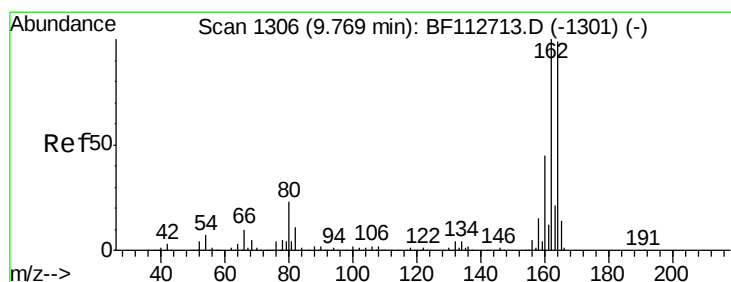
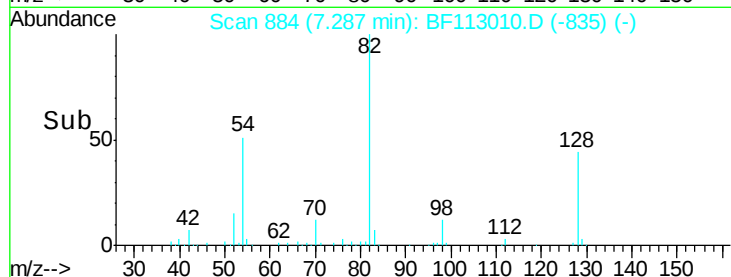
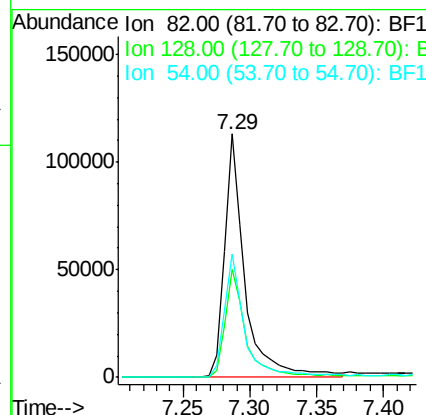
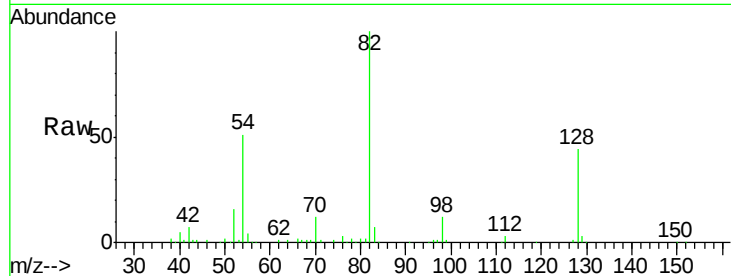
#23
Nitrobenzene-d5
Concen: 11.962 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

Tot Ion	82	Resp	122419
Ion Ratio	100	Lower	Upper
128	44.3	36.3	54.5
54	50.7	43.7	65.5

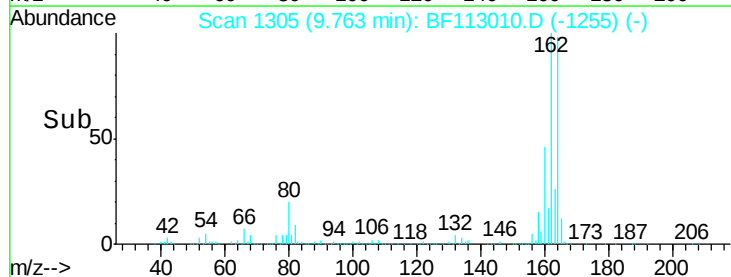
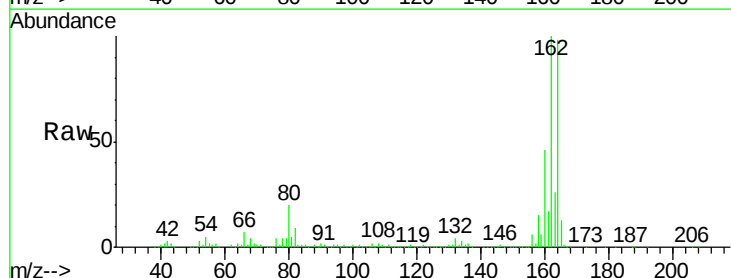
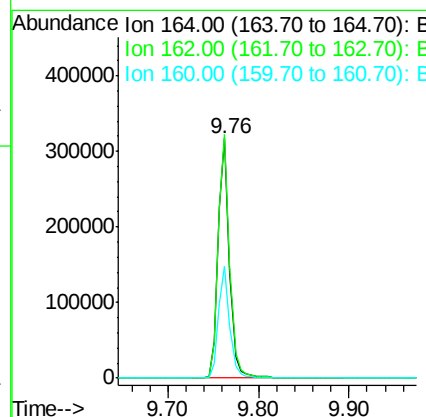
Manual Integrations
APPROVED

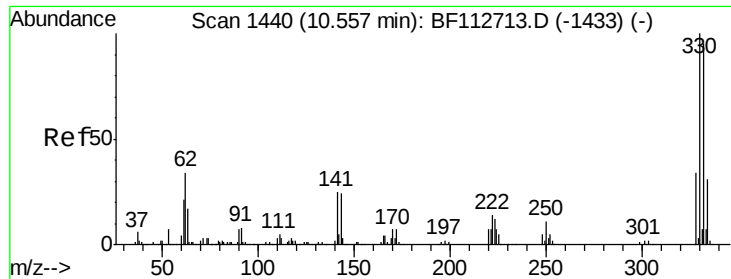
Sohil
3/13/2019 11:40:37 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion	164	Resp	281409
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	101.6	80.6	120.8
160	46.8	36.0	54.0





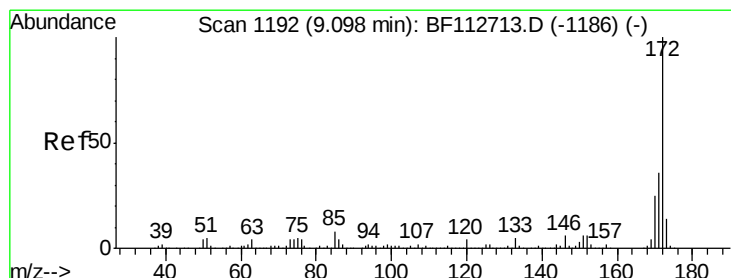
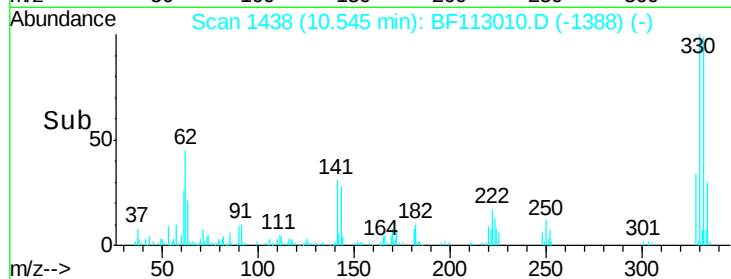
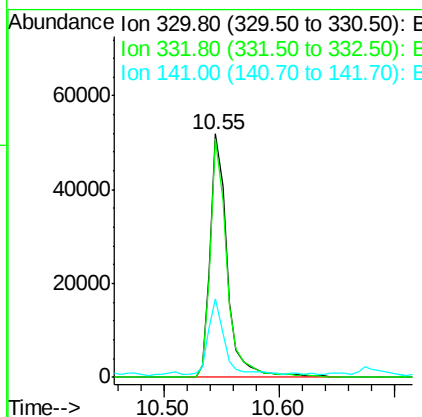
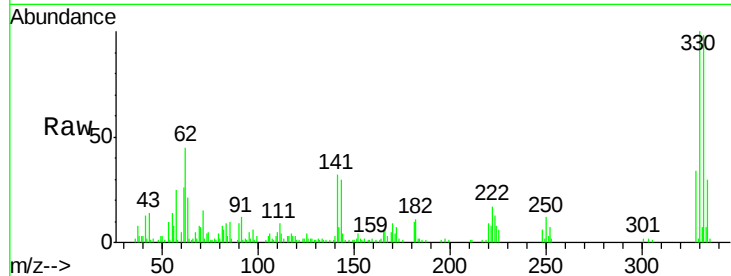
#42
 2,4,6-Tribromophenol
 Concen: 17.971 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-031119-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	53689		
332	96.1		76.2	114.4
141	30.0		27.0	40.6

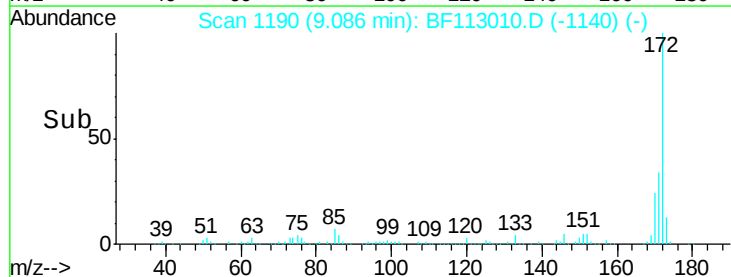
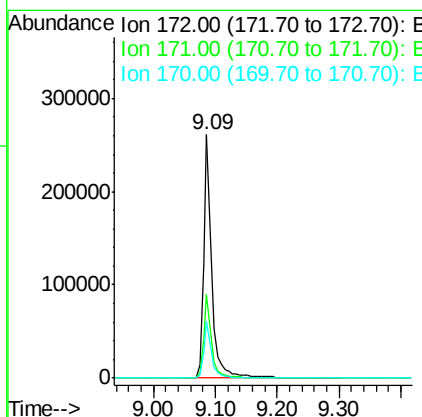
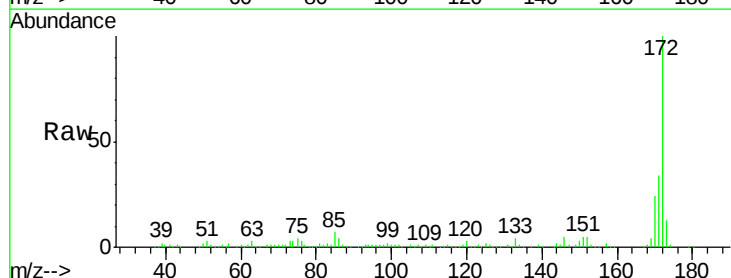
Manual Integrations
 APPROVED

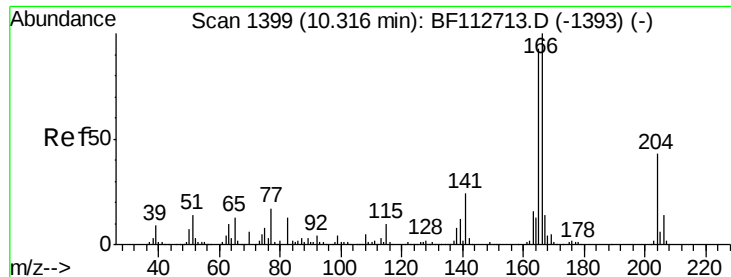
Sohil
 3/13/2019 11:40:37 AM



#45
 2-Fluorobiphenyl
 Concen: 10.677 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	247694		
171	34.2		29.0	43.4
170	23.5		20.0	30.0





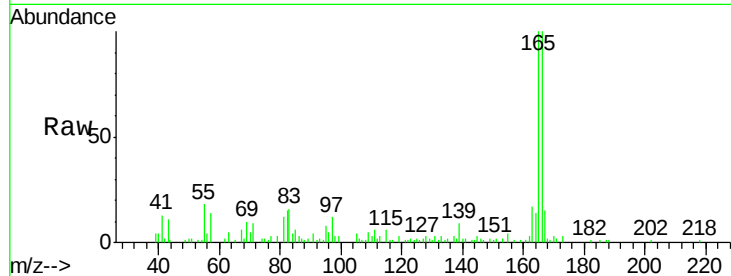
#58
 Fluorene
 Concen: 2.064 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-031119-B

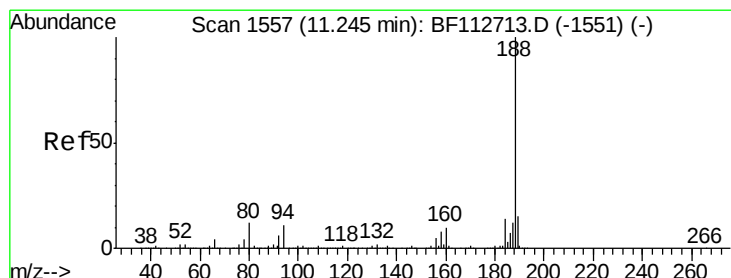
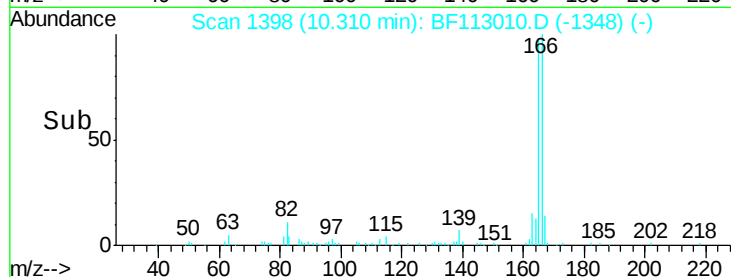
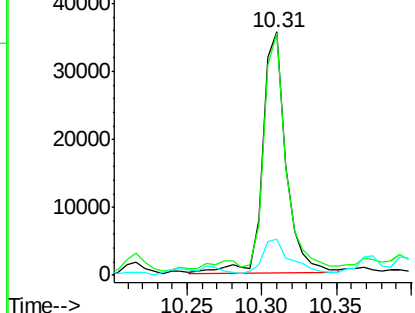
Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		37889		
165	99.8	74.7	112.1		
167	15.1	11.0	16.6		

Manual Integrations
 APPROVED

Sohil
 3/13/2019 11:40:37 AM

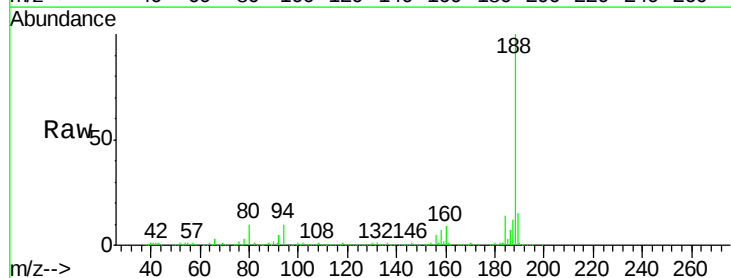


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

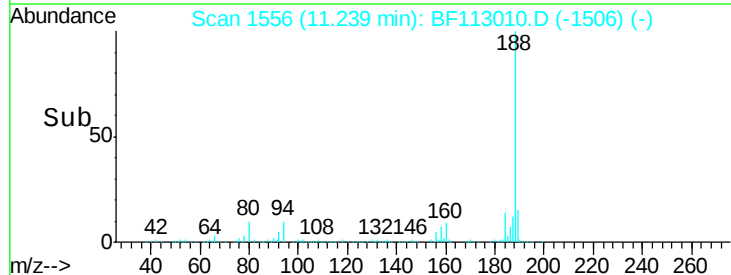
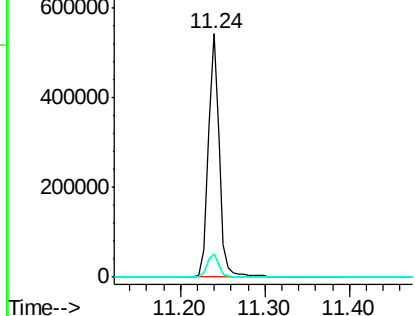


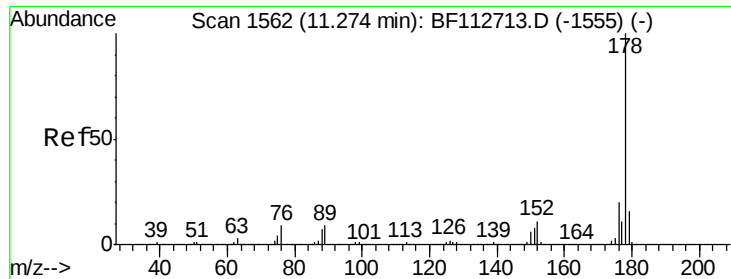
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113010.D
 Acq: 12 Mar 2019 18:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		489700		
94	9.8	9.0	13.4		
80	9.7	9.2	13.8		



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





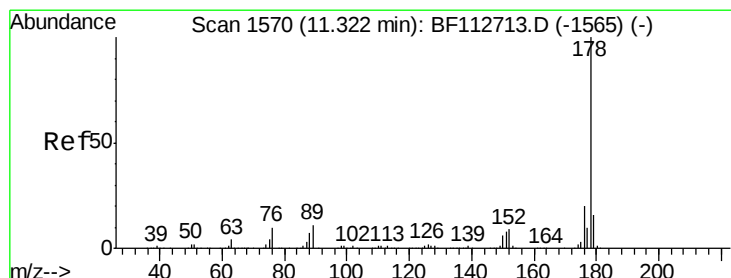
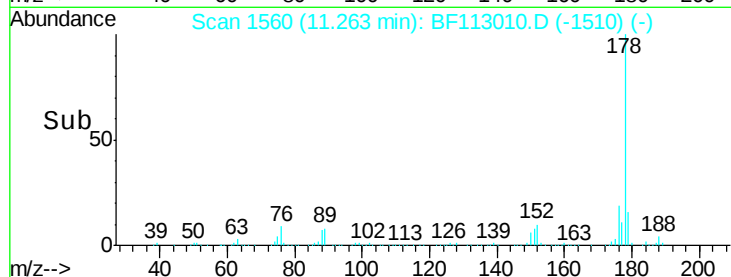
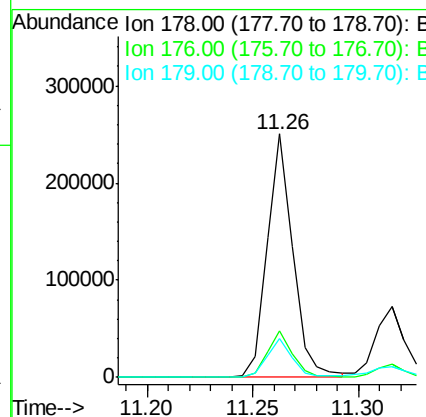
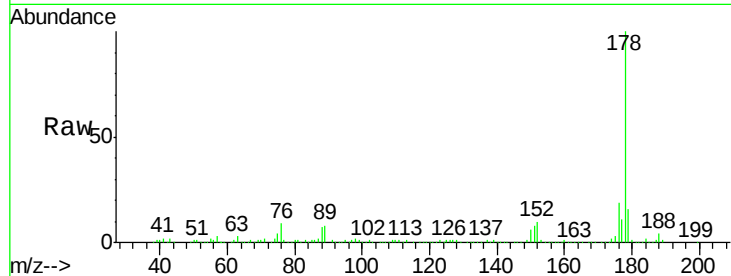
#71
Phenanthrene
Concen: 8.763 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.8	12.7	19.1

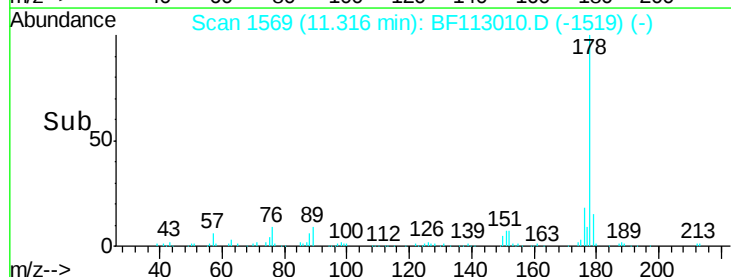
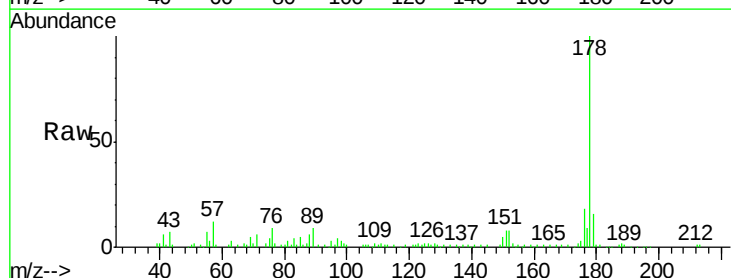
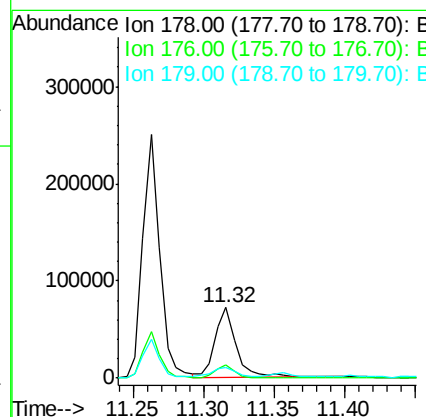
Manual Integrations
APPROVED

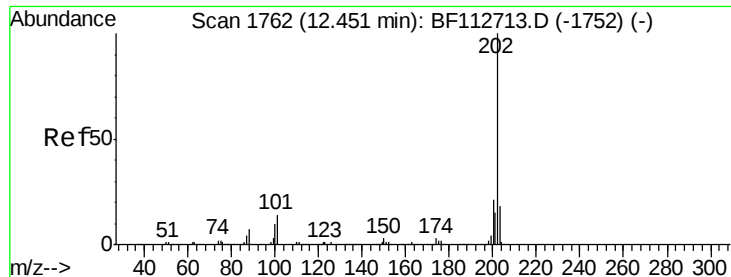
Sohil
3/13/2019 11:40:37 AM



#72
Anthracene
Concen: 2.995 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.6
179	15.6	13.0	19.6





#75

Fluoranthene

Concen: 11.498 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113010.D

Acq: 12 Mar 2019 18:38

Instrument :

BNA_F

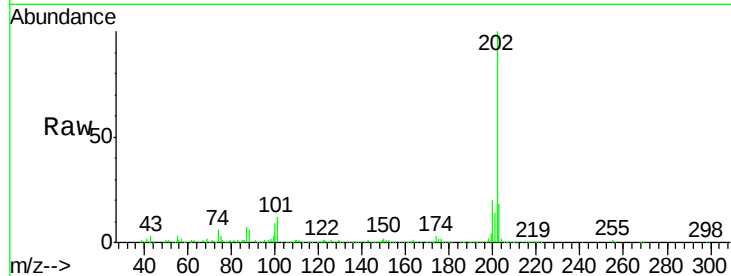
ClientSampleId :

SU-04-031119-B

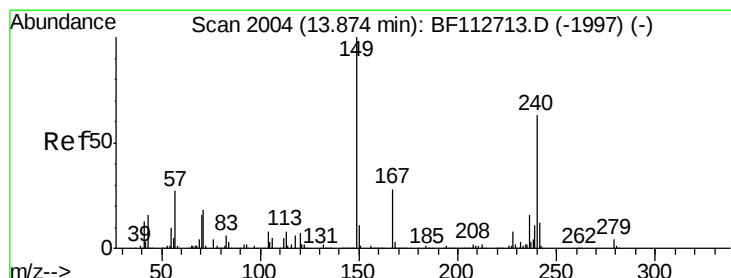
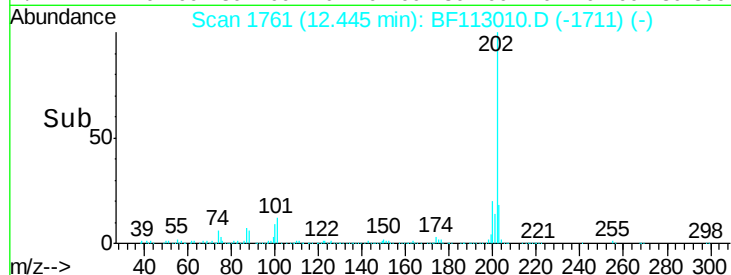
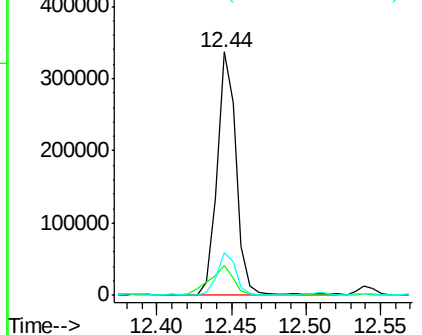
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		300131		
101	12.2	0.0	33.8		
203	17.7	0.0	38.4		

Manual Integrations
APPROVED

Sohil
3/13/2019 11:40:37 AM



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

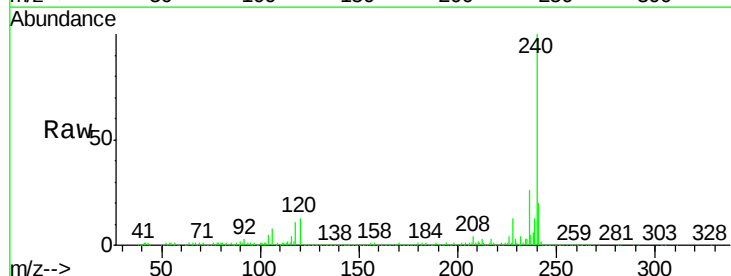
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

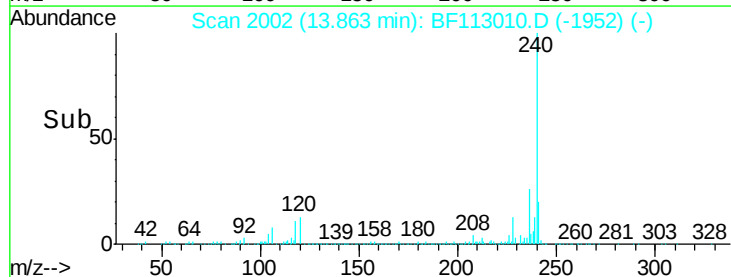
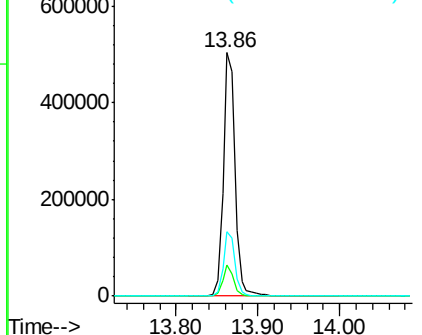
Lab File: BF113010.D

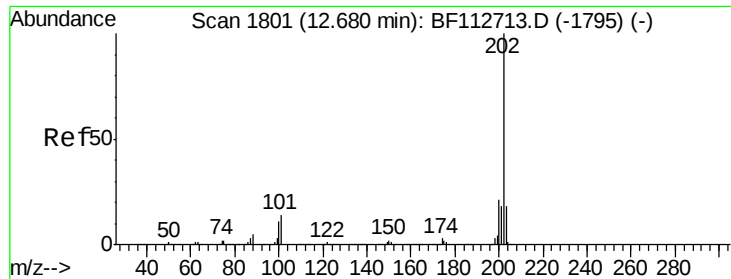
Acq: 12 Mar 2019 18:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		504672		
120	12.7	8.9	13.3		
236	26.2	20.7	31.1		



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





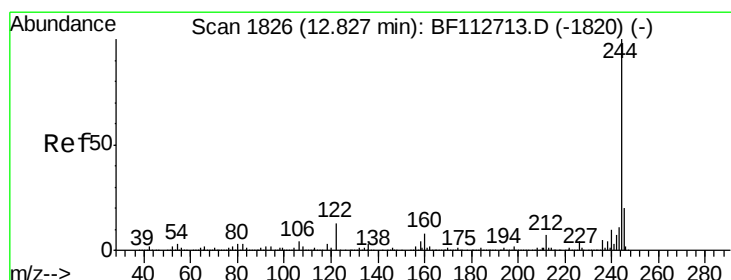
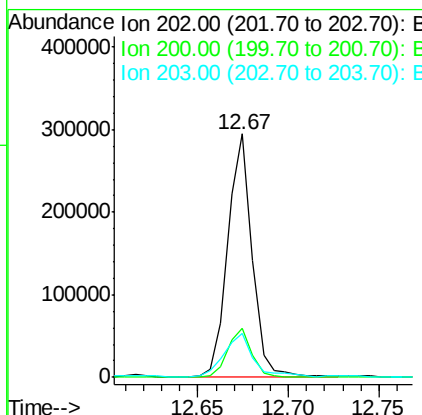
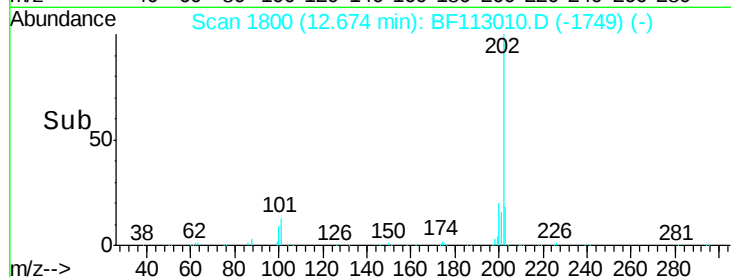
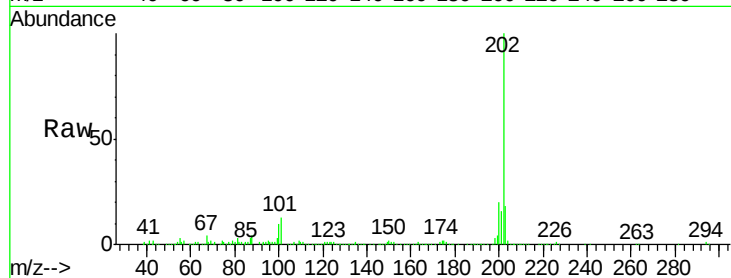
#78
Pvrene
Concen: 6.440 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	17.0	25.4
203	18.1	14.4	21.6

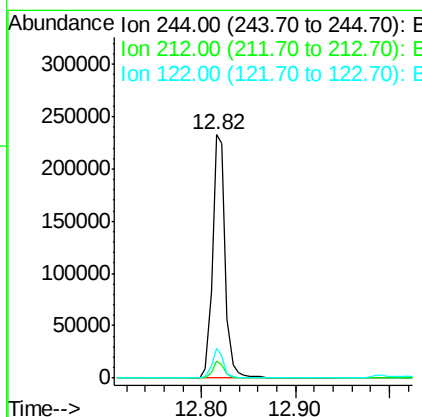
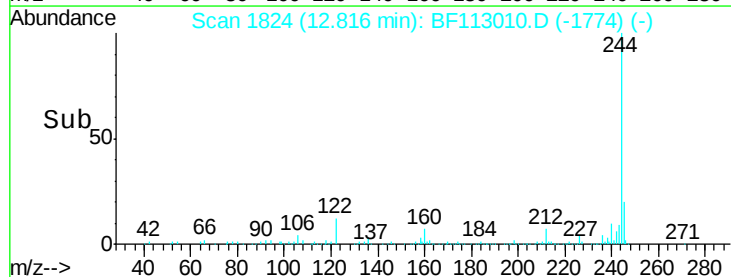
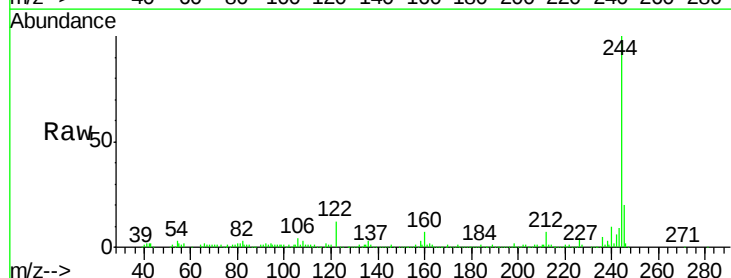
Manual Integrations
APPROVED

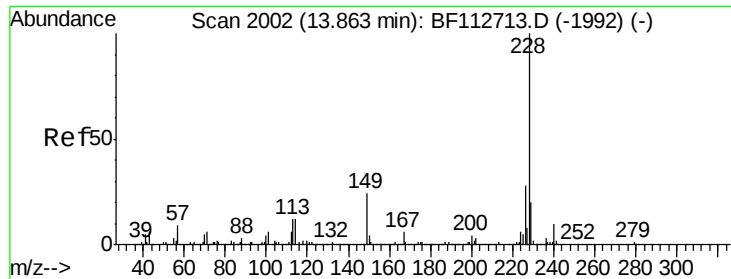
Sohil
3/13/2019 11:40:37 AM



#79
Terphenyl-d14
Concen: 8.642 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.6	8.4
122	12.5	10.5	15.7





#81

Benzo(a)anthracene

Concen: 4.131 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF113010.D

Acq: 12 Mar 2019 18:38

Instrument :

BNA_F

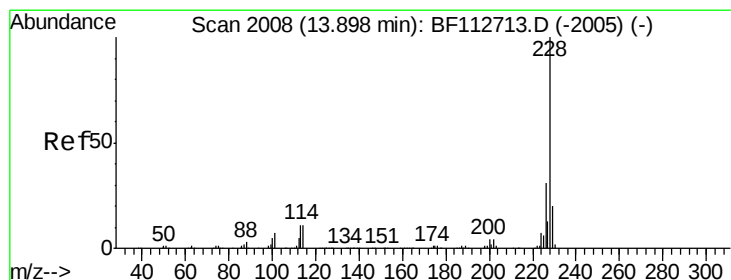
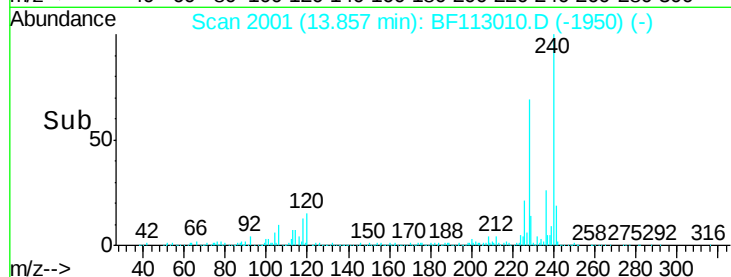
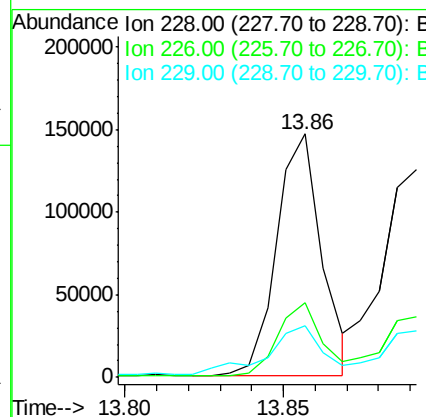
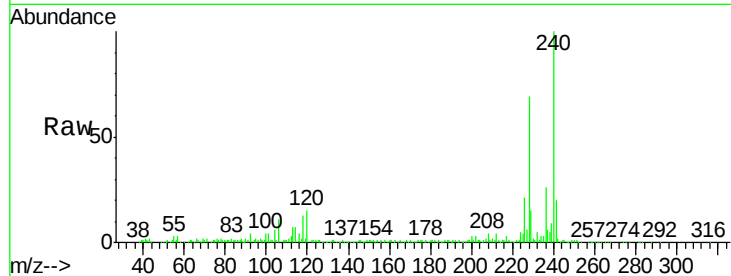
ClientSampleId :

SU-04-031119-B

Tot Ion:	228	Resp:	144495
Ion Ratio		Lower	Upper
228	100		
226	30.5	22.2	33.4
229	21.1	16.0	24.0

Manual Integrations
APPROVED

Sohil
3/13/2019 11:40:37 AM



#83

Chrysene

Concen: 3.947 ng

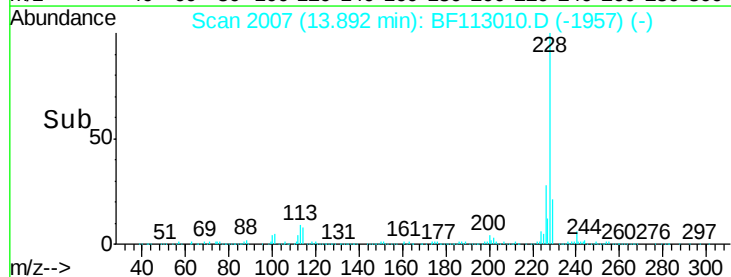
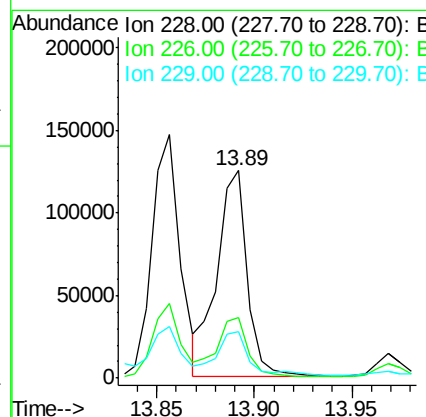
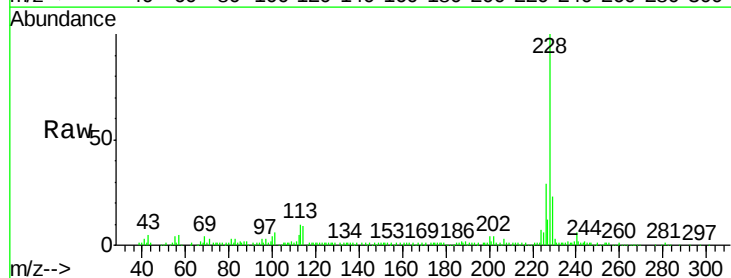
RT: 13.89 min Scan# 2007

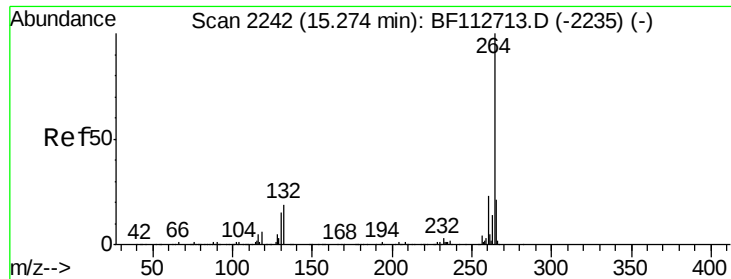
Delta R.T. -0.01 min

Lab File: BF113010.D

Acq: 12 Mar 2019 18:38

Tgt Ion:	228	Resp:	135232
Ion Ratio		Lower	Upper
228	100		
226	28.9	24.9	37.3
229	22.5	16.3	24.5





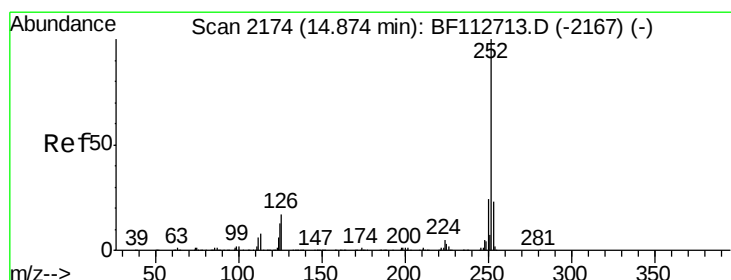
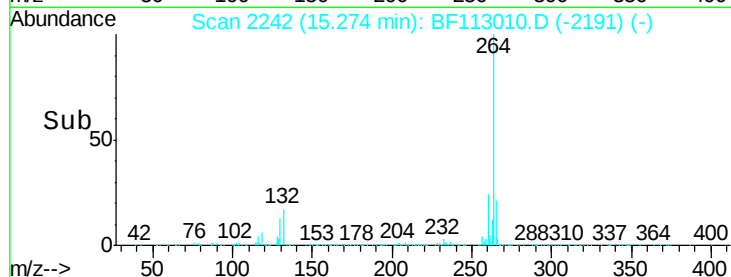
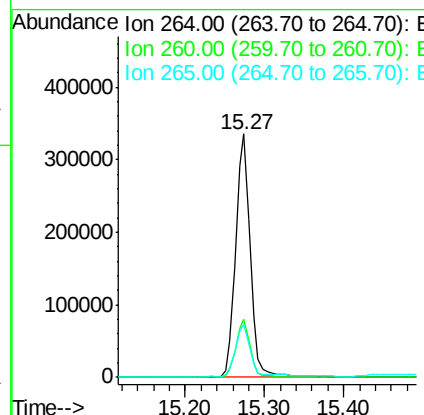
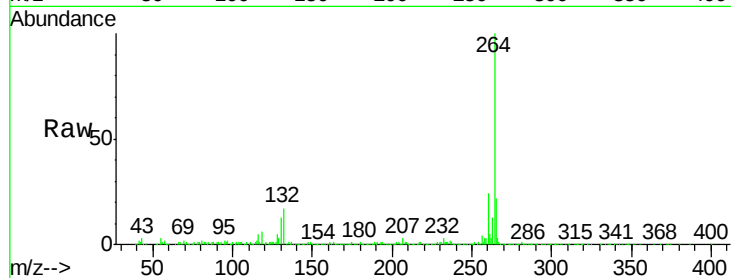
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.6	17.2	25.8

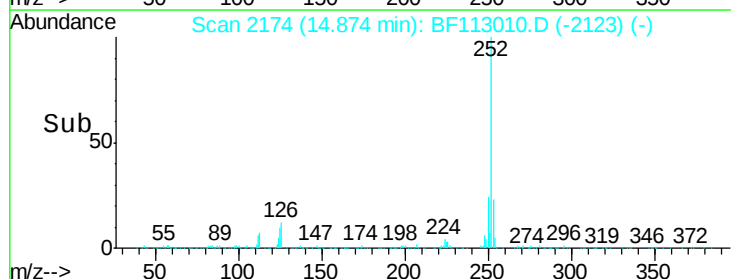
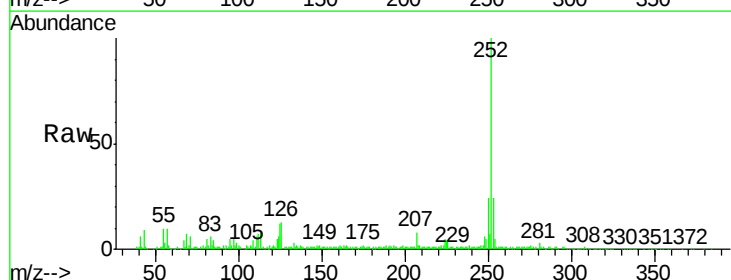
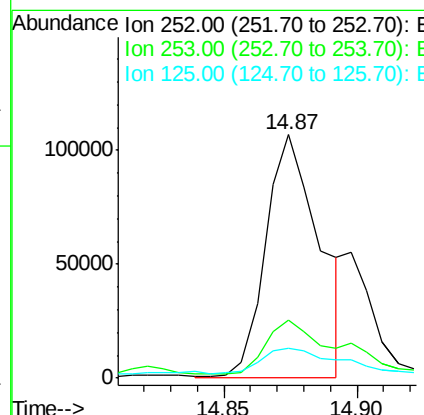
Manual Integrations
APPROVED

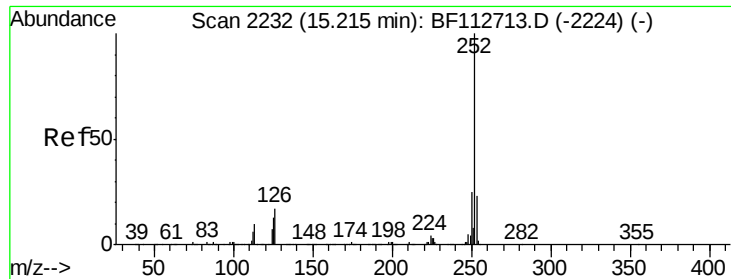
Sohil
3/13/2019 11:40:37 AM



#88
Benzo(b)fluoranthene
Concen: 5.378 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	12.2	10.2	15.2





#90
Benzo(a)pyrene
Concen: 4.092 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113010.D
Acq: 12 Mar 2019 18:38

Instrument :
BNA_F
ClientSampleId :
SU-04-031119-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.4	10.7	16.1

Manual Integrations
APPROVED

Sohil
3/13/2019 11:40:37 AM

