

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040319\
 Data File : BF113551.D
 Acq On : 3 Apr 2019 18:48
 Operator : JU/SJ
 Sample : K2184-01 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-002-B

Manual Integrations
 APPROVED

Sohil
 4/5/2019 3:48:34 AM

Quant Time: Apr 05 03:22:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	130785	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	467621	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	197510	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	365636	20.00	ng	0.00
76) Chrysene-d12	13.84	240	323855	20.00	ng	0.00
87) Perylene-d12	15.26	264	239125	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	186889	24.37	ng	0.00
7) Phenol-d6	6.33	99	365363	38.65	ng	-0.01
23) Nitrobenzene-d5	7.25	82	210005	26.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	25000	10.54	ng	0.00
45) 2-Fluorobiphenyl	9.04	172	408395	33.29	ng	-0.01
79) Terphenyl-d14	12.79	244	410060	25.78	ng	0.00
Target Compounds						
31) Naphthalene	7.99	128	66018	2.914	ng	99
37) 2-Methylnaphthalene	8.68	142	35406	2.376	ng	98
50) Dimethylphthalate	9.44	163	32445	2.228	ng	99
58) Fluorene	10.27	166	32949	2.472	ng	# 98
71) Phenanthrene	11.23	178	225679	12.421	ng	98
72) Anthracene	11.28	178	52714	2.852	ng	98
75) Fluoranthene	12.42	202	278673	14.314	ng	98
78) Pyrene	12.64	202	258015	10.471	ng	98
81) Benzo(a)anthracene	13.83	228	117146	6.271	ng	95
83) Chrysene	13.86	228	112624m	5.947	ng	
86) Indeno(1,2,3-cd)pyrene	16.63	276	39277	2.246	ng	98
88) Benzo(b)fluoranthene	14.86	252	108826m	7.435	ng	
89) Benzo(k)fluoranthene	14.88	252	31762m	2.418	ng	
90) Benzo(a)pyrene	15.20	252	71766	5.518	ng	# 83
92) Benzo(a,h,i)perylene	17.04	276	42626	3.433	ng	# 85

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

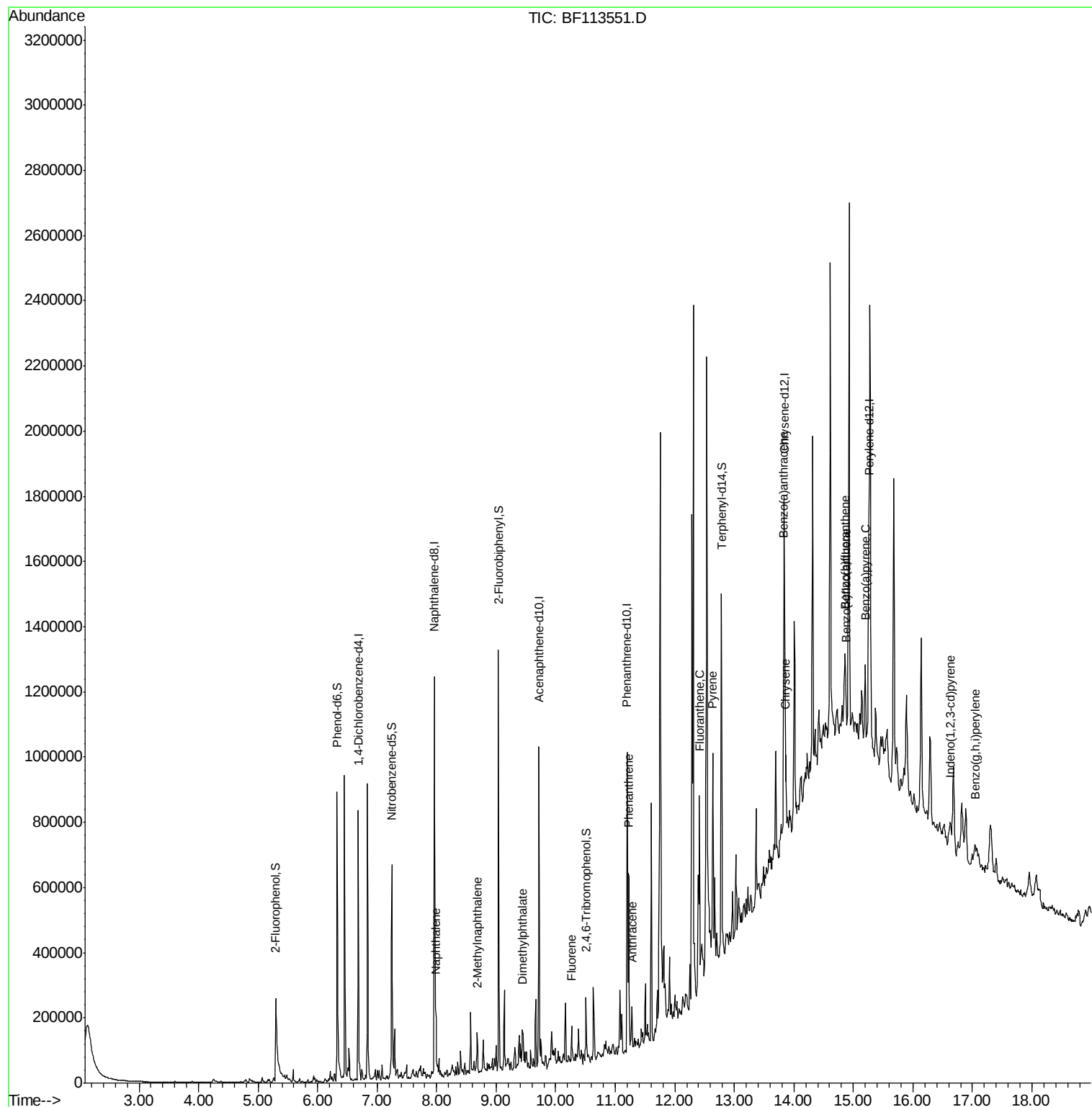
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040319\
Data File : BF113551.D
Acq On : 3 Apr 2019 18:48
Operator : JU/SJ
Sample : K2184-01 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

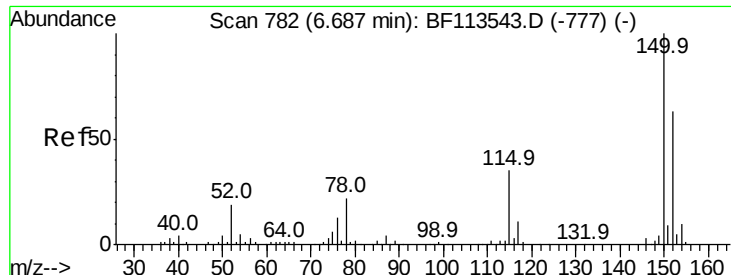
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-002-B

Manual Integrations
APPROVED

Sohil
4/5/2019 3:48:34 AM

Quant Time: Apr 05 03:22:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 04 04:05:31 2019
Response via : Initial Calibration





#1

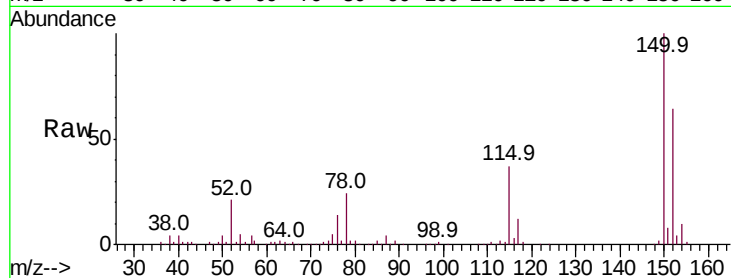
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-002-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.7	187.1
115	57.6	46.0	69.0

Manual Integrations
APPROVED

Sohil
4/5/2019 3:48:34 AM



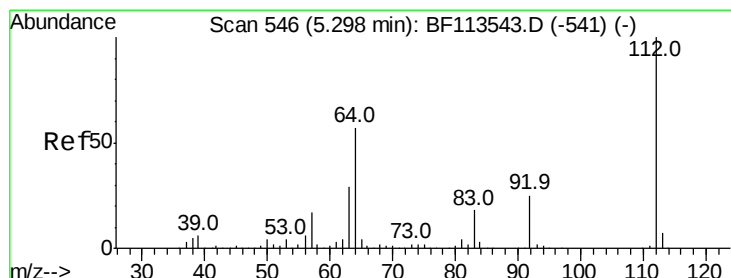
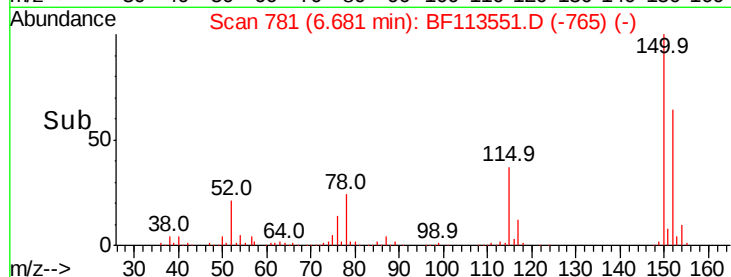
Abundance

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

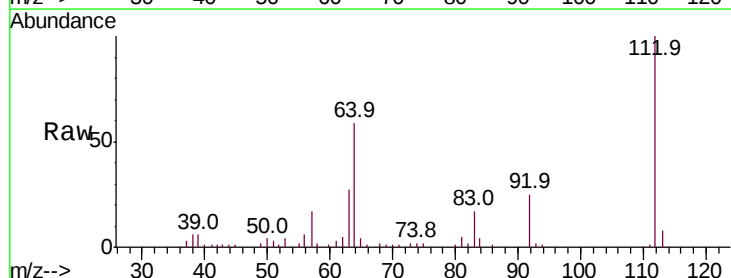
Time-->



#5

2-Fluorophenol
Concen: 24.367 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	49.2	73.8
63	27.4	24.9	37.3



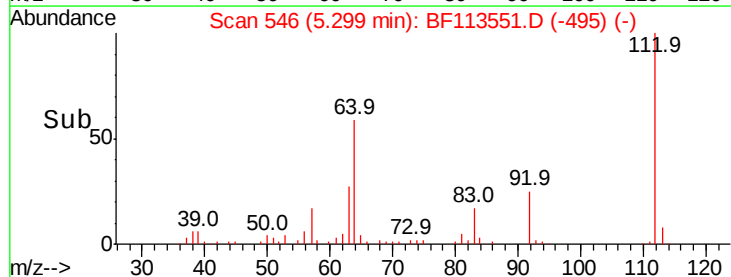
Abundance

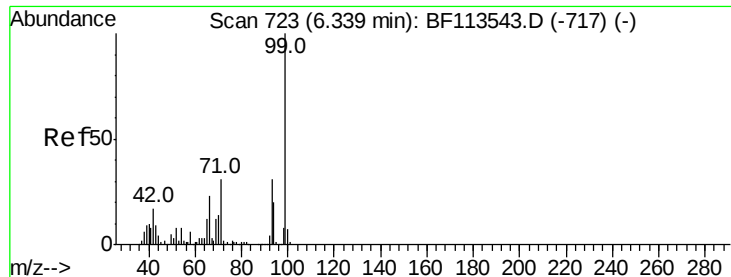
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 38.651 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113551.D

Acq: 3 Apr 2019 18:48

Instrument :

BNA_F

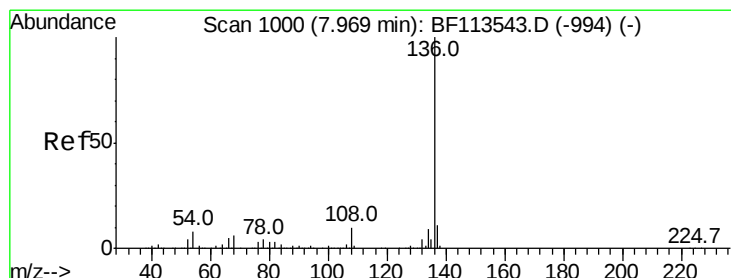
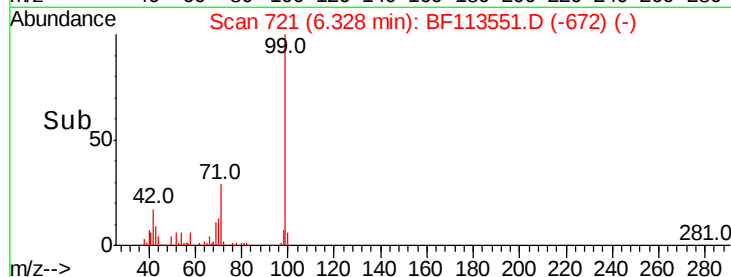
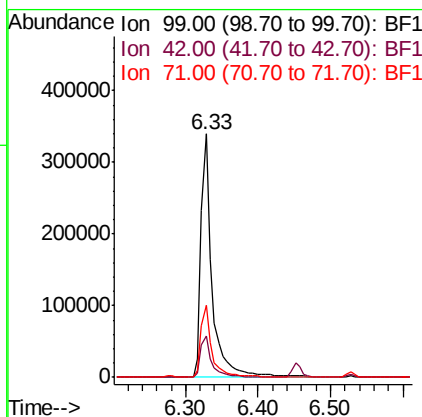
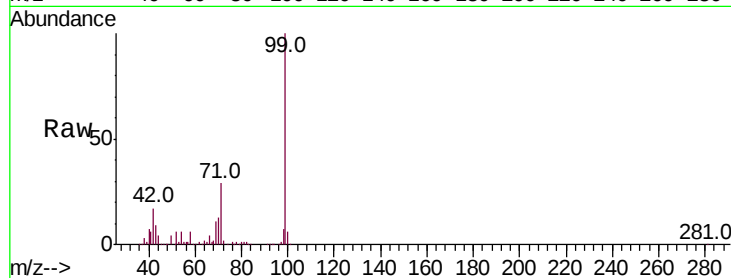
ClientSampleId :

FK-0D015-03-002-B

Tot Ion:	99	Resp:	365363
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.8	22.2
71	29.4	24.9	37.3

Manual Integrations
APPROVED

Sohil
4/5/2019 3:48:34 AM



#21

Naphthalene-d8

Concen: 20.000 ng

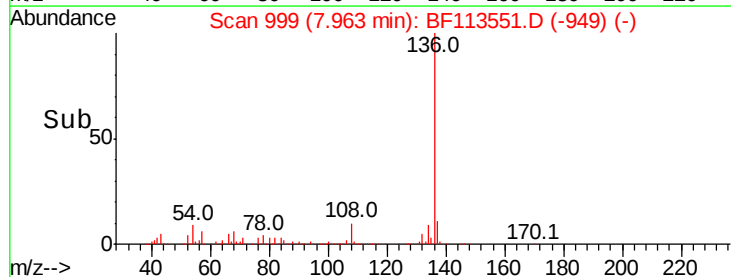
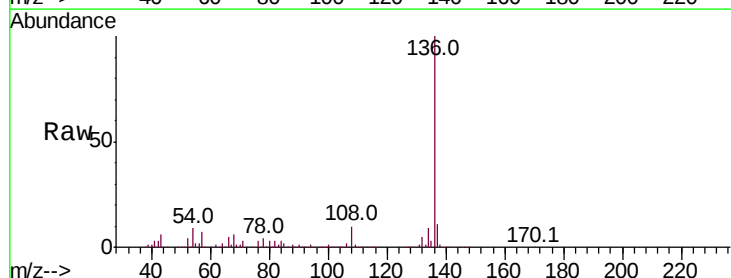
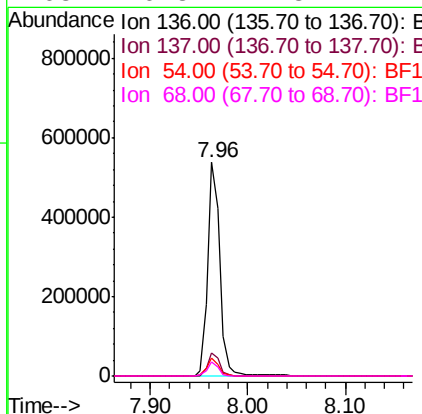
RT: 7.96 min Scan# 999

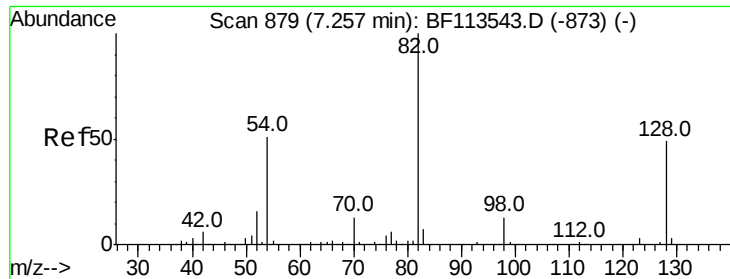
Delta R.T. -0.01 min

Lab File: BF113551.D

Acq: 3 Apr 2019 18:48

Tgt Ion:	136	Resp:	467621
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.6	7.0	10.6
68	6.3	4.8	7.2





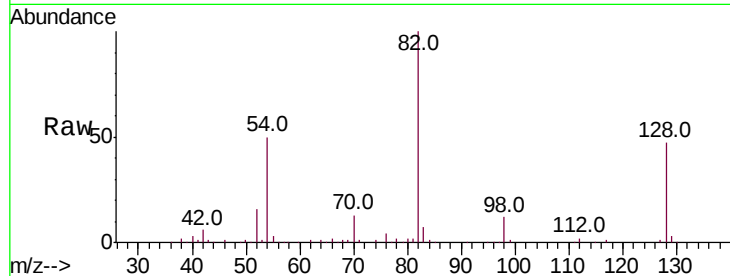
#23
 Nitrobenzene-d5
 Concen: 26.306 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF113551.D
 Acq: 3 Apr 2019 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-002-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.5	54.7
54	50.3	42.2	63.2

Manual Integrations
 APPROVED

Sohil
 4/5/2019 3:48:34 AM

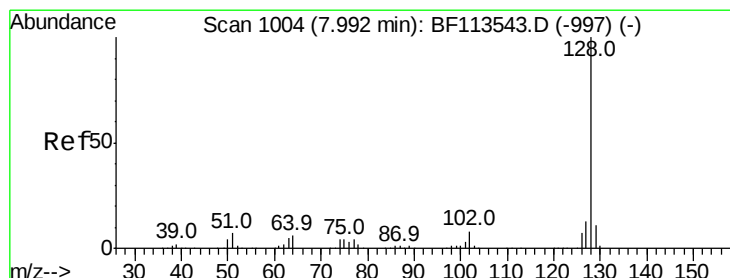
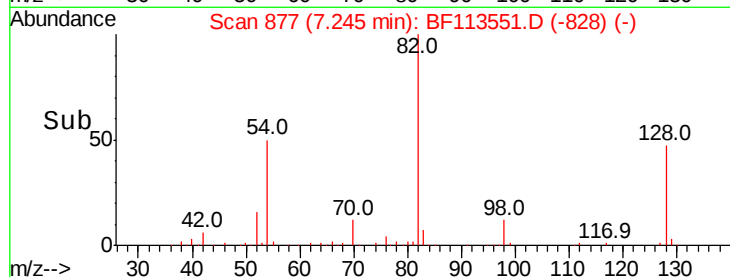
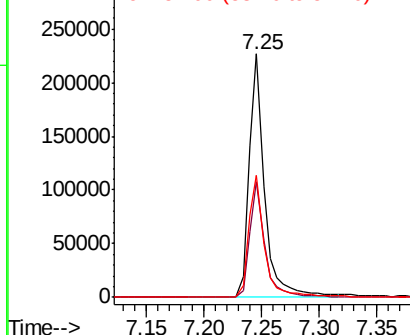


Abundance

Ion 82.00 (81.70 to 82.70): BF1

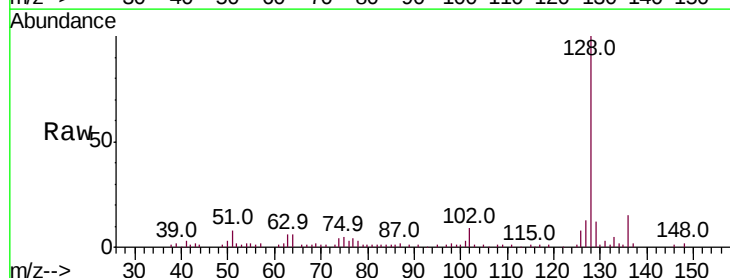
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#31
 Naphthalene
 Concen: 2.914 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF113551.D
 Acq: 3 Apr 2019 18:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	12.7	10.9	16.3

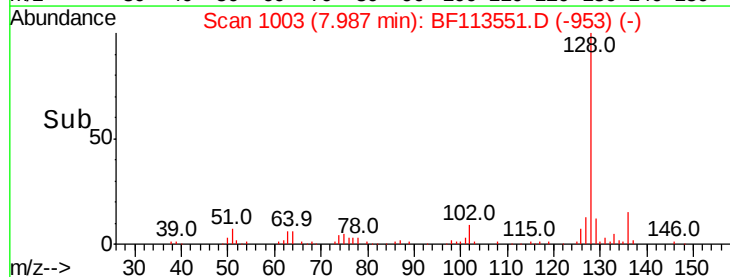
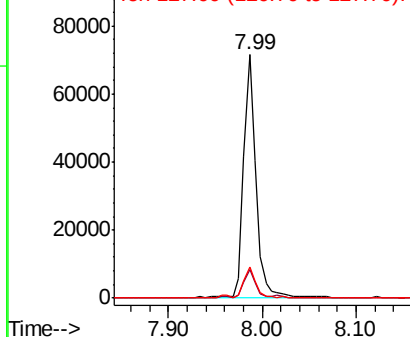


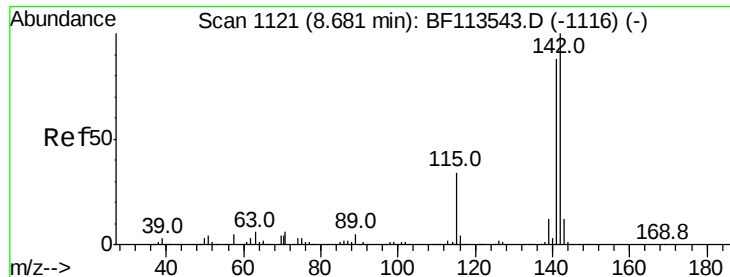
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





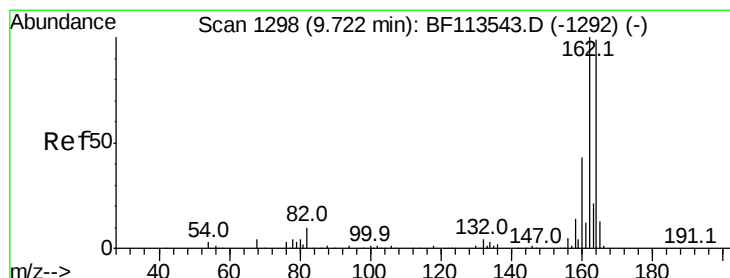
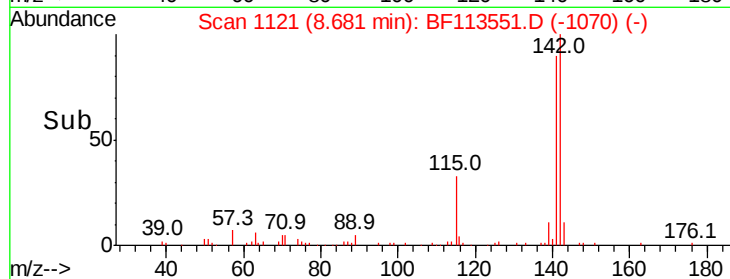
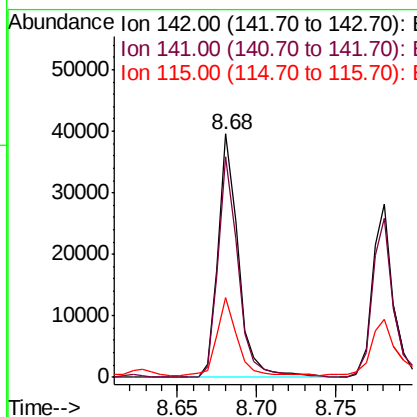
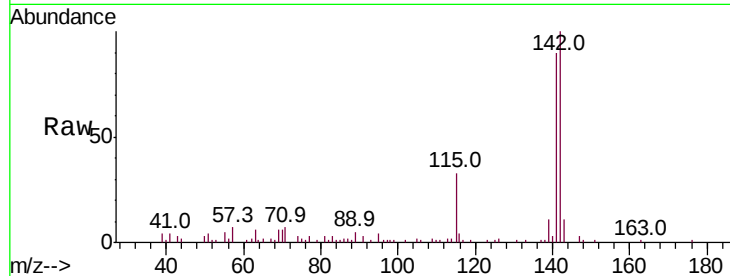
#37
 2-Methylnaphthalene
 Concen: 2.376 ng
 RT: 8.68 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: BF113551.D
 Acq: 3 Apr 2019 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-002-B

Tot Ion:	142	Resp:	35406
Ion Ratio	Lower	Upper	
142	100		
141	90.5	71.0	106.6
115	32.7	26.6	39.8

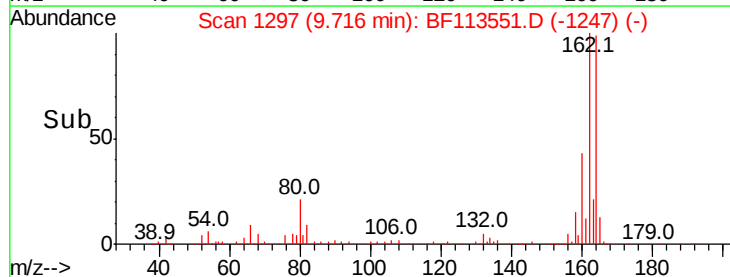
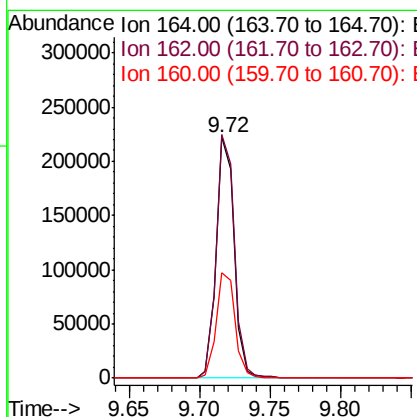
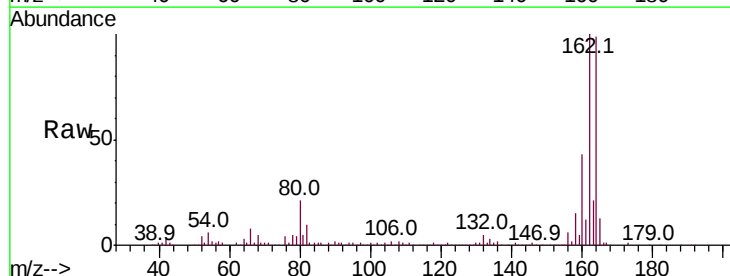
Manual Integrations
 APPROVED

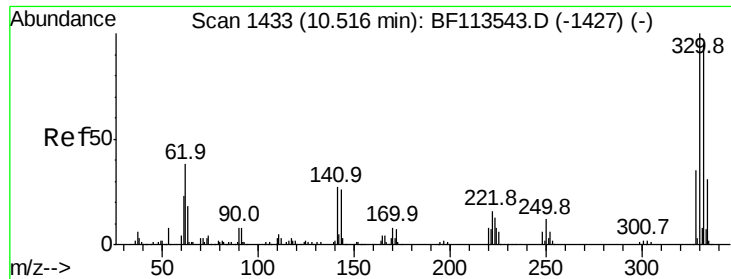
Sohil
 4/5/2019 3:48:34 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF113551.D
 Acq: 3 Apr 2019 18:48

Tgt Ion:	164	Resp:	197510
Ion Ratio	Lower	Upper	
164	100		
162	101.0	81.8	122.6
160	43.7	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 10.537 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF113551.D

Acq: 3 Apr 2019 18:48

Instrument :

BNA_F

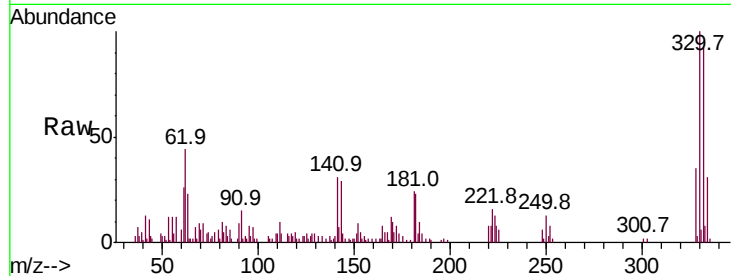
ClientSampleId :

FK-0D015-03-002-B

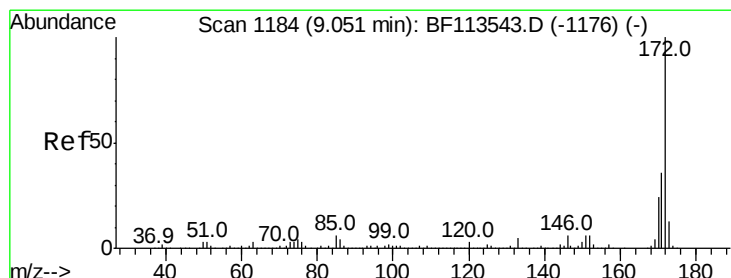
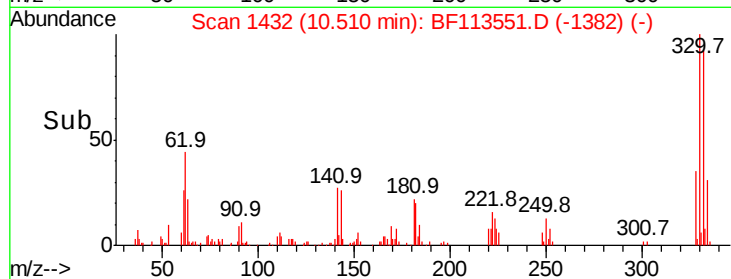
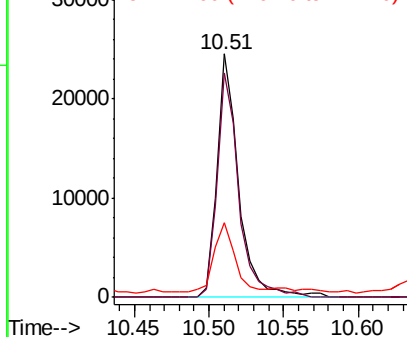
Tot Ion:	330	Resp:	25000
Ion Ratio	Lower	Upper	
330	100		
332	93.0	77.8	116.6
141	27.6	22.7	34.1

Manual Integrations
APPROVED

Sohil
4/5/2019 3:48:34 AM



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: 33.288 ng

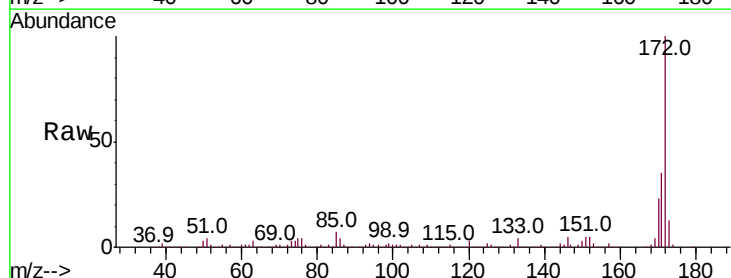
RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

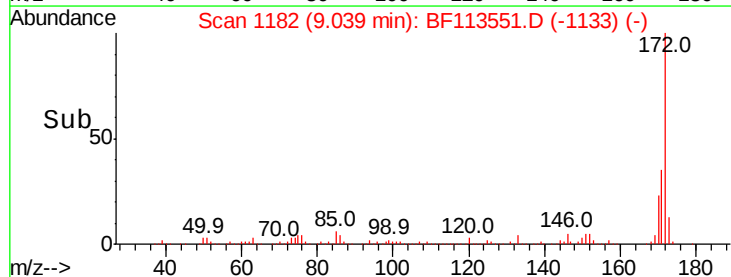
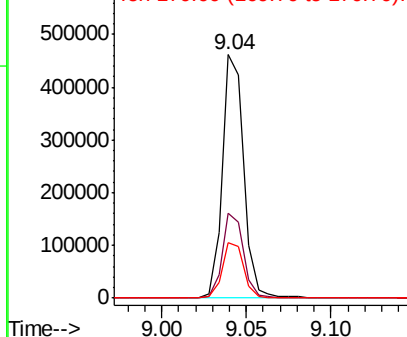
Lab File: BF113551.D

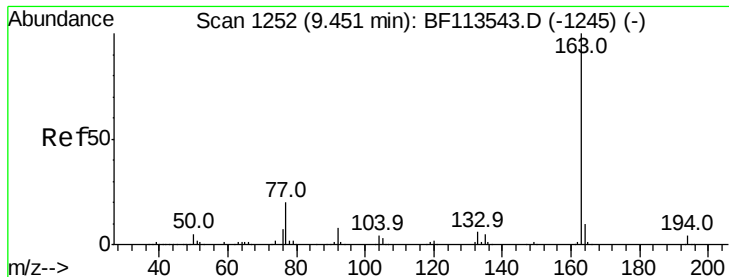
Acq: 3 Apr 2019 18:48

Tgt Ion:	172	Resp:	408395
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.0	43.6
170	22.9	19.5	29.3



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: 2.228 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF113551.D

Acq: 3 Apr 2019 18:48

Instrument :

BNA_F

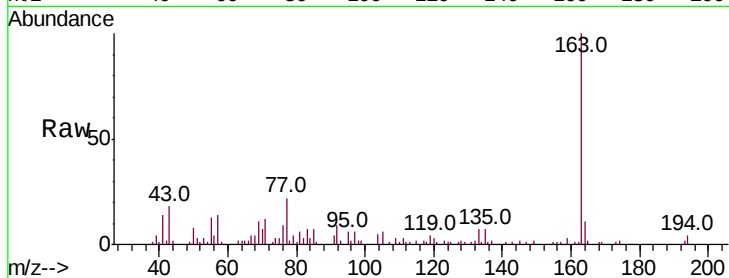
ClientSampleId :

FK-0D015-03-002-B

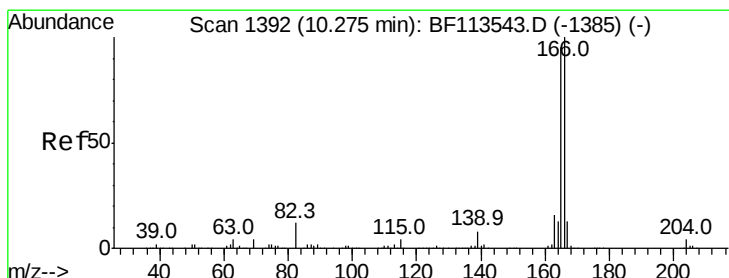
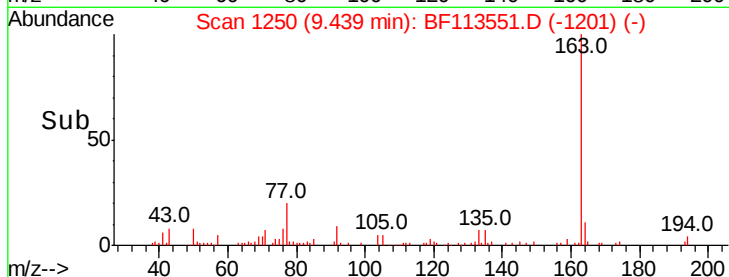
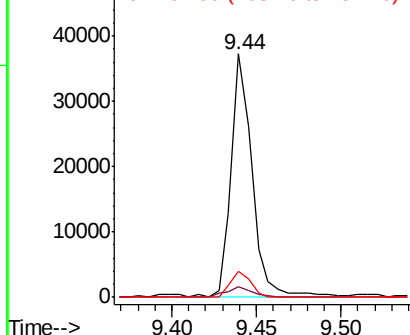
Tot Ion:	163	Resp:	32445
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.6
164	10.6	8.1	12.1

Manual Integrations
APPROVED

Sohil
4/5/2019 3:48:34 AM



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



#58

Fluorene

Concen: 2.472 ng

RT: 10.27 min Scan# 1391

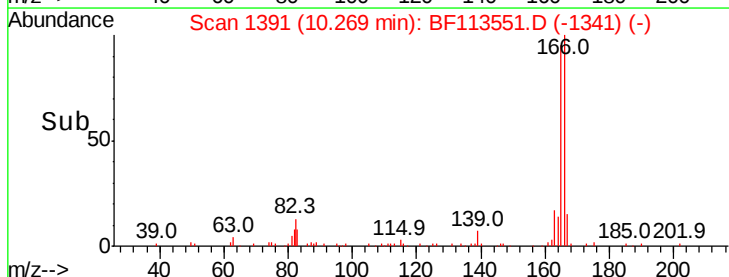
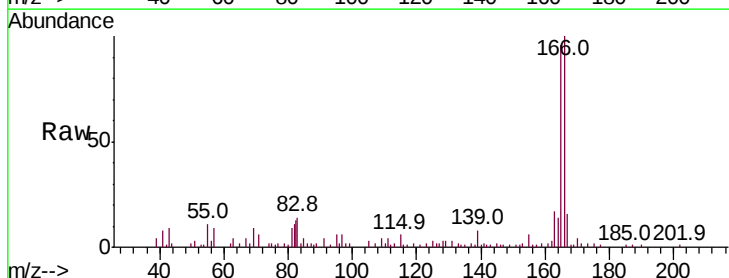
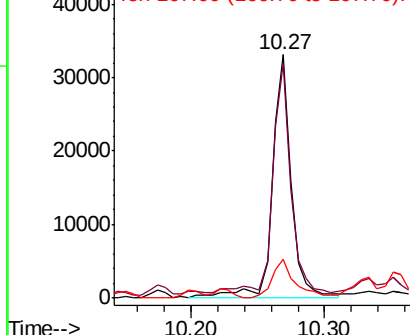
Delta R.T. -0.01 min

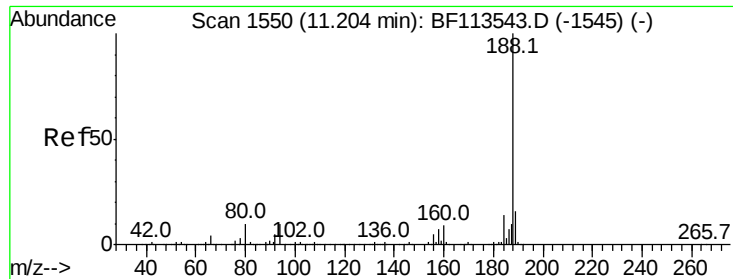
Lab File: BF113551.D

Acq: 3 Apr 2019 18:48

Tgt Ion:	166	Resp:	32949
Ion Ratio	Lower	Upper	
166	100		
165	96.3	76.2	114.2
167	16.1	10.7	16.1#

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





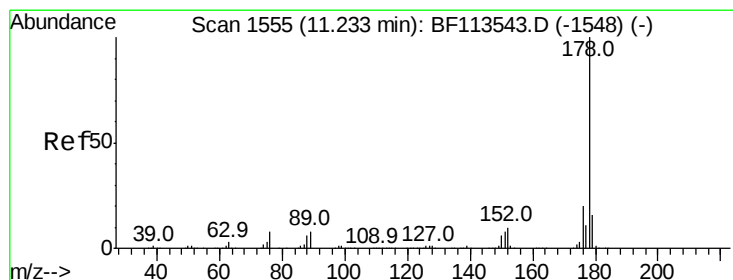
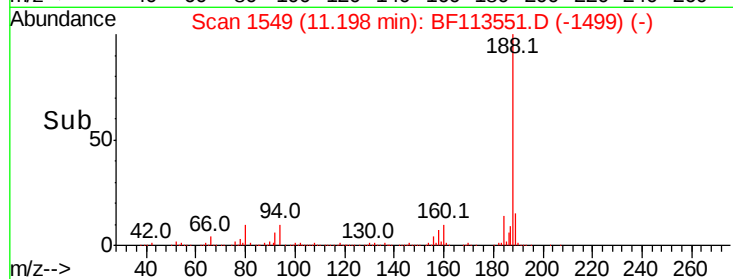
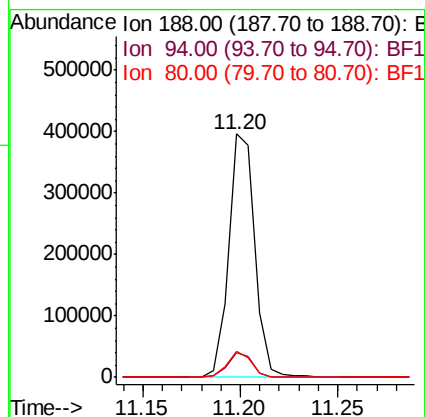
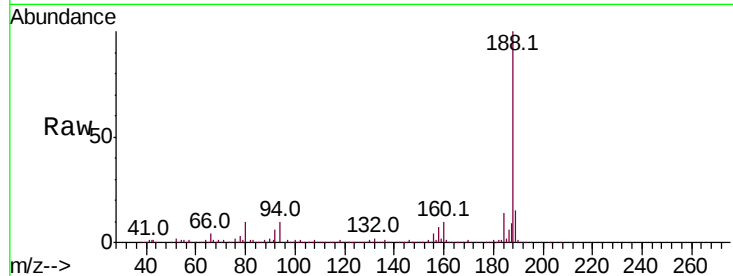
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-002-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	365636		
94	10.0		7.0	10.6
80	10.5		7.7	11.5

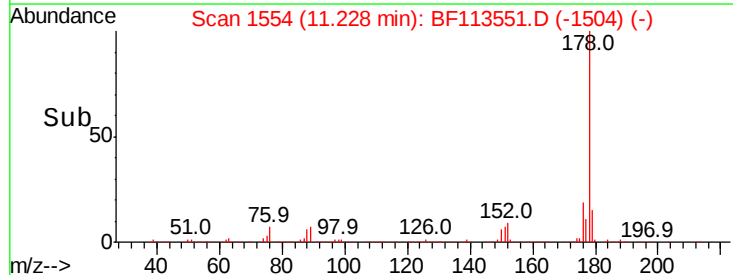
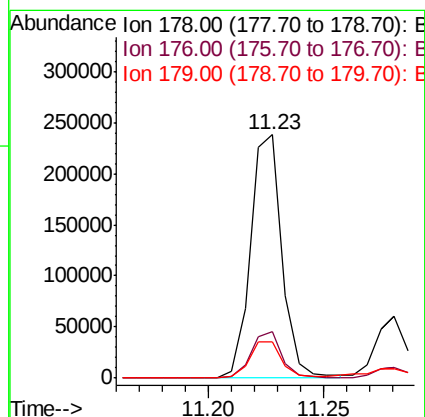
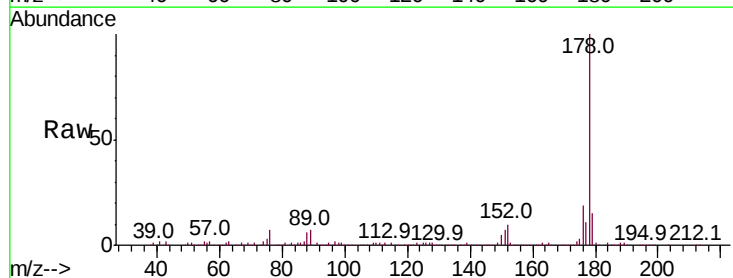
Manual Integrations
APPROVED

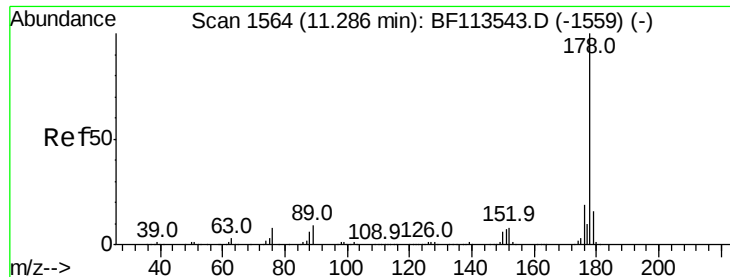
Sohil
4/5/2019 3:48:34 AM



#71
Phenanthrene
Concen: 12.421 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	225679		
176	18.9		16.2	24.2
179	15.1		12.7	19.1





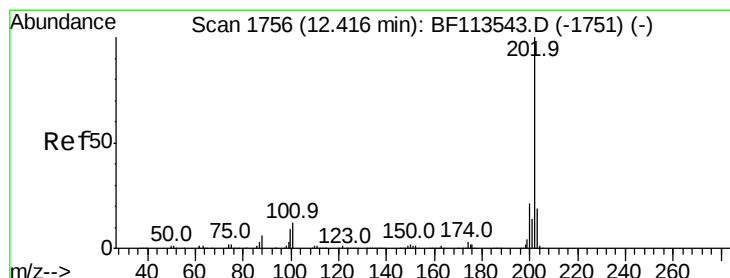
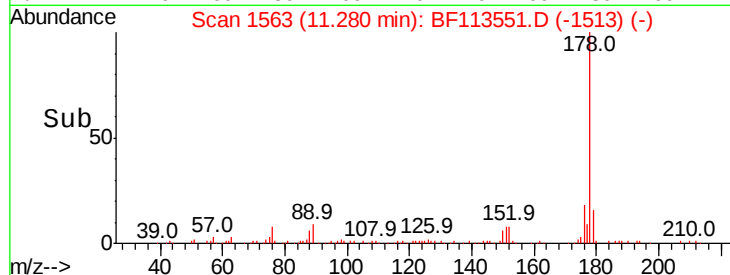
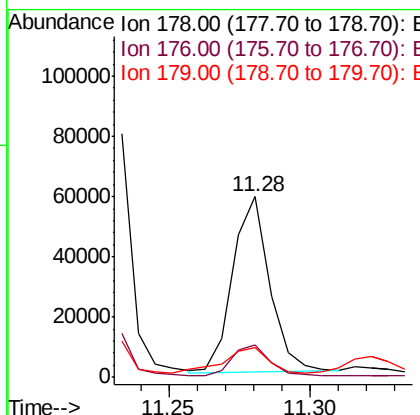
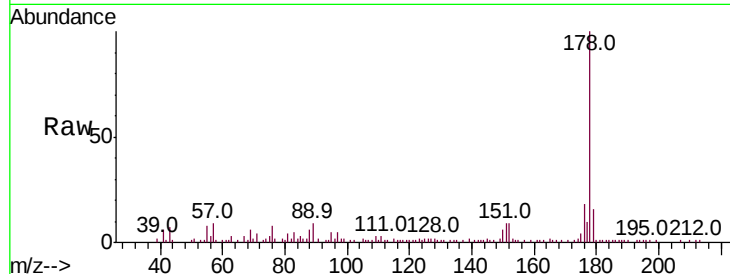
#72
 Anthracene
 Concen: 2.852 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF113551.D
 Acq: 3 Apr 2019 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-002-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.3	12.8	19.2

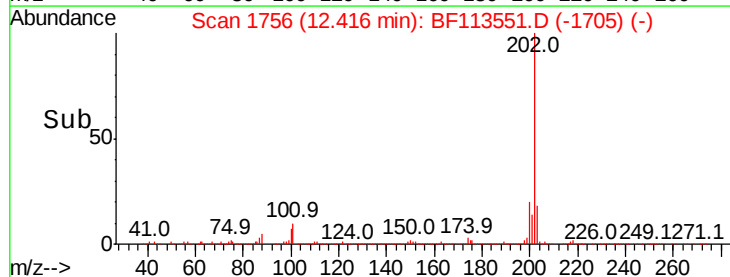
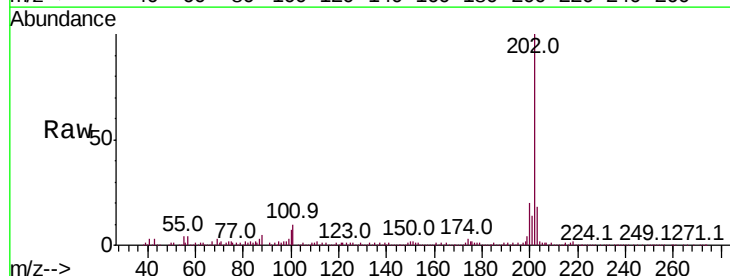
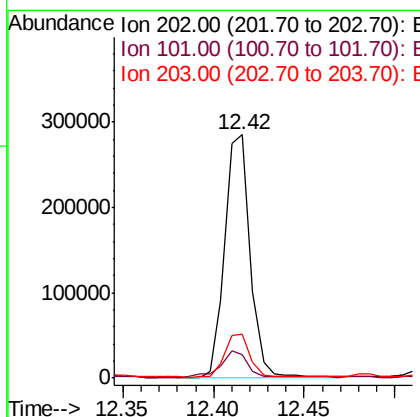
Manual Integrations
 APPROVED

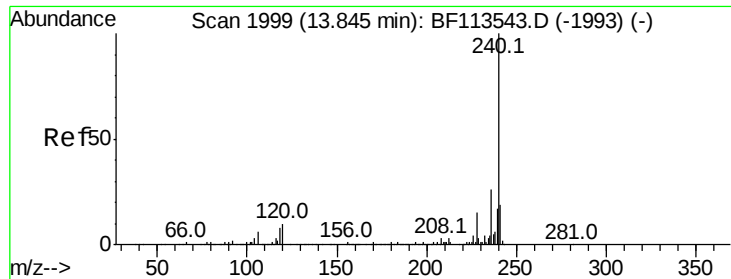
Sohil
 4/5/2019 3:48:34 AM



#75
 Fluoranthene
 Concen: 14.314 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: BF113551.D
 Acq: 3 Apr 2019 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.4
203	17.9	0.0	38.0





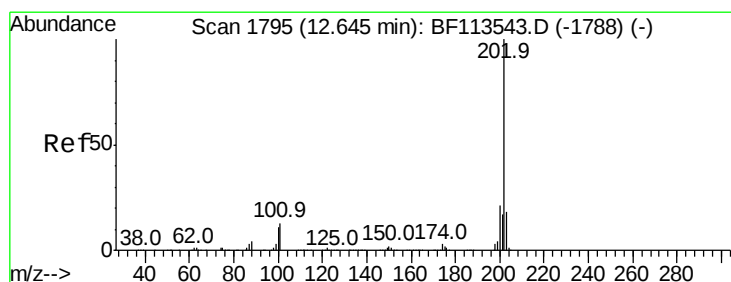
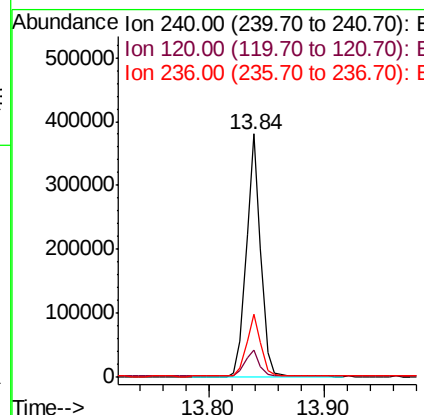
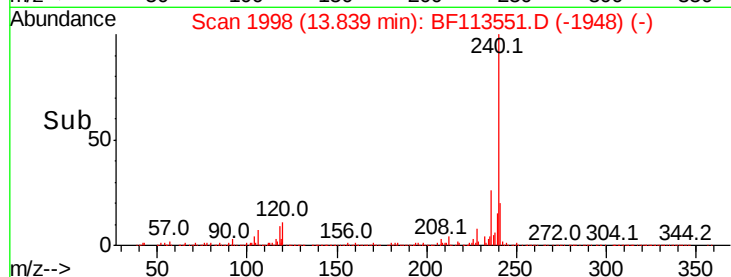
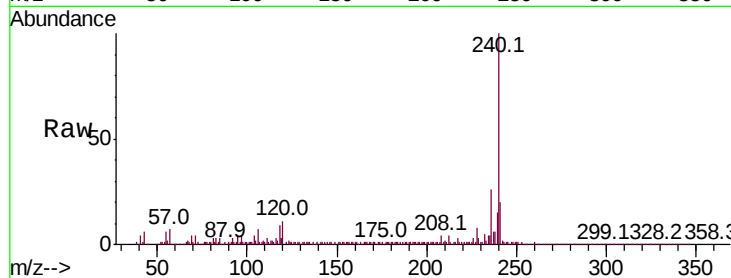
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-002-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.8	13.2
236	25.9	20.9	31.3

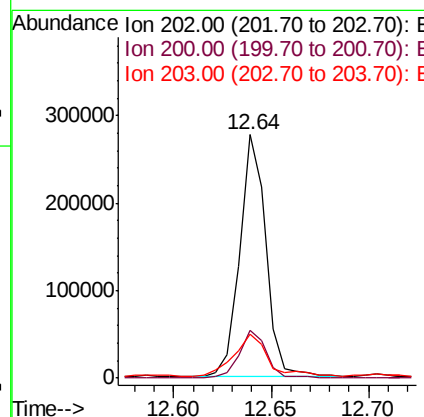
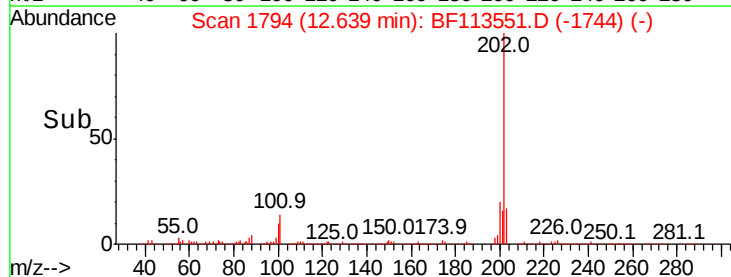
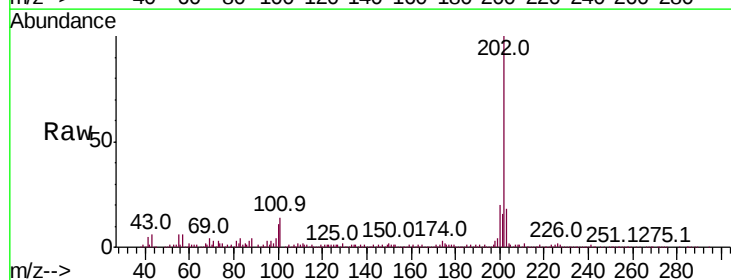
Manual Integrations
APPROVED

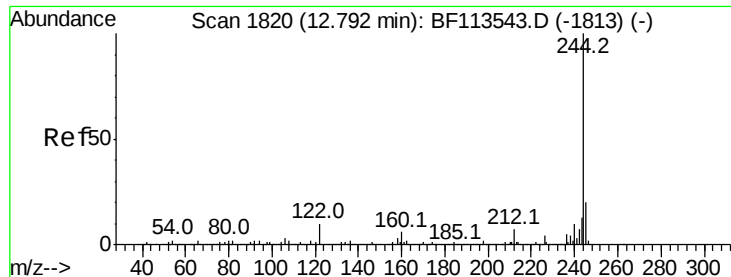
Sohil
4/5/2019 3:48:34 AM



#78
Pyrene
Concen: 10.471 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.8	25.2
203	18.2	14.4	21.6





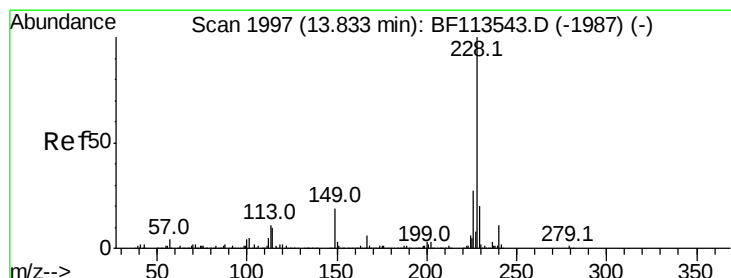
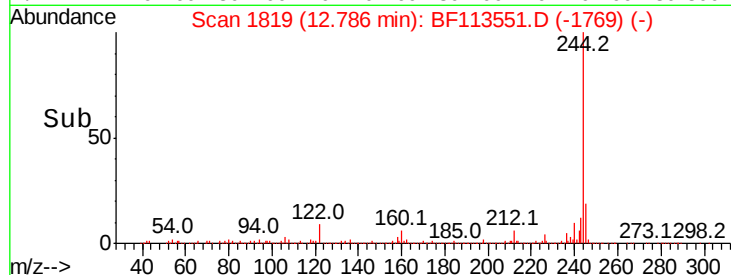
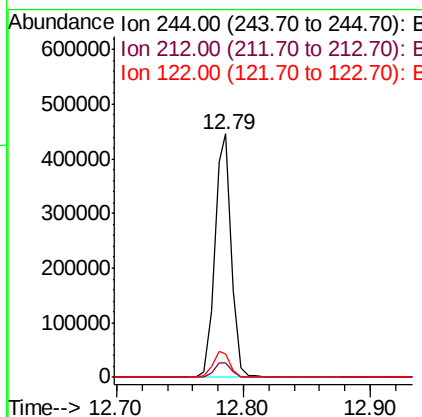
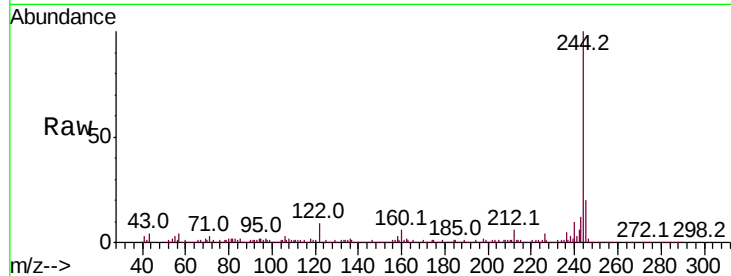
#79
 Terphenyl-d14
 Concen: 25.780 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF113551.D
 Acq: 3 Apr 2019 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-002-B

Tot Ion:	244	Resp:	410060
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.5	8.3
122	9.5	8.6	13.0

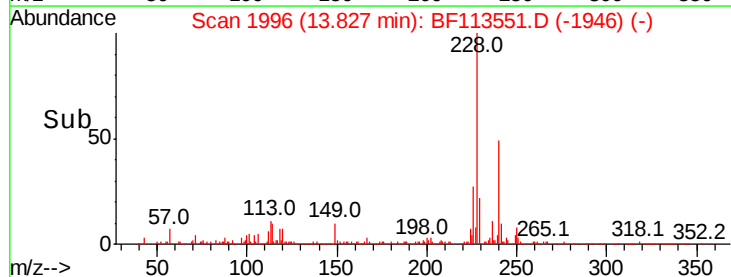
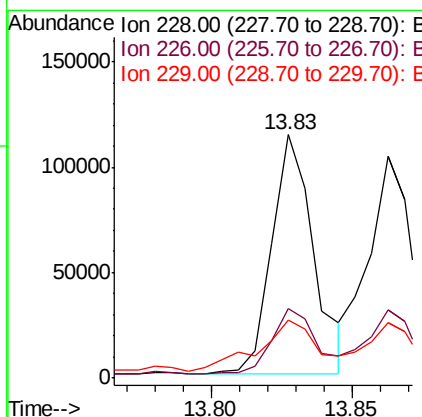
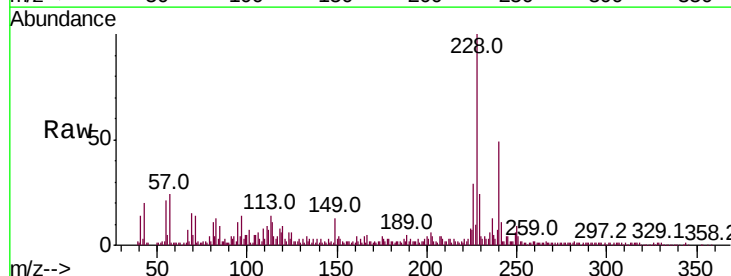
Manual Integrations
 APPROVED

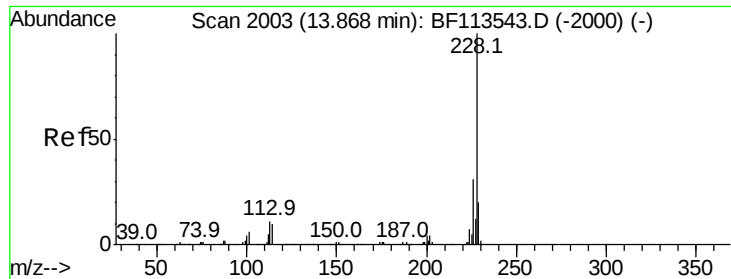
Sohil
 4/5/2019 3:48:34 AM



#81
 Benzo(a)anthracene
 Concen: 6.271 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113551.D
 Acq: 3 Apr 2019 18:48

Tgt Ion:	228	Resp:	117146
Ion Ratio	Lower	Upper	
228	100		
226	28.8	21.8	32.8
229	23.6	16.2	24.4





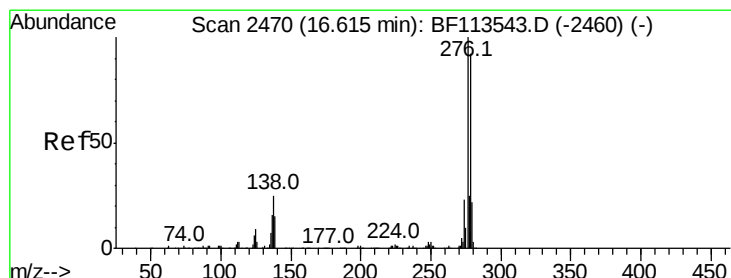
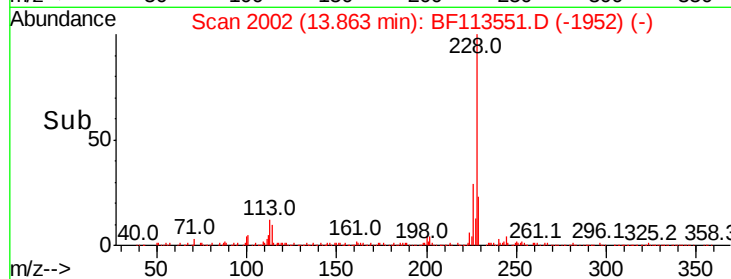
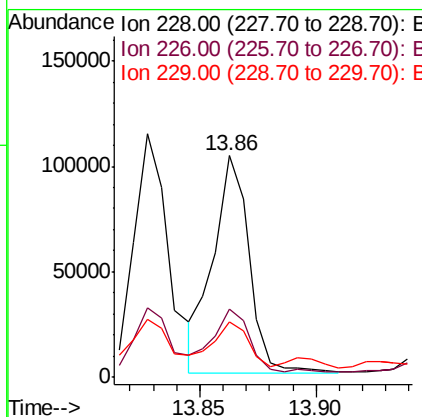
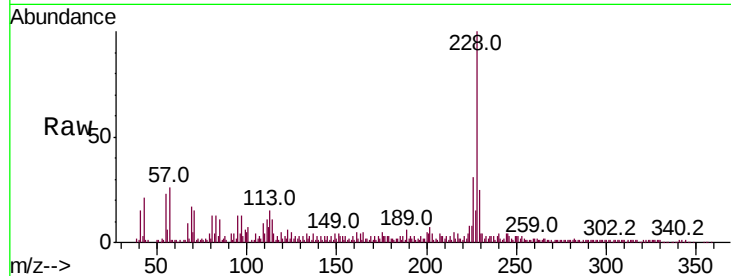
#83
Chrysene
Concen: 5.947 ng/ml
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-002-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	31.1	24.3	36.5		
229	24.9	16.3	24.5		

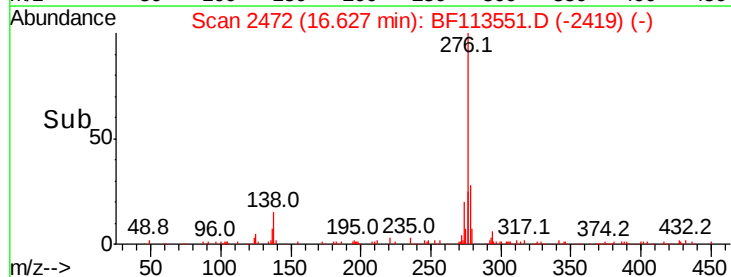
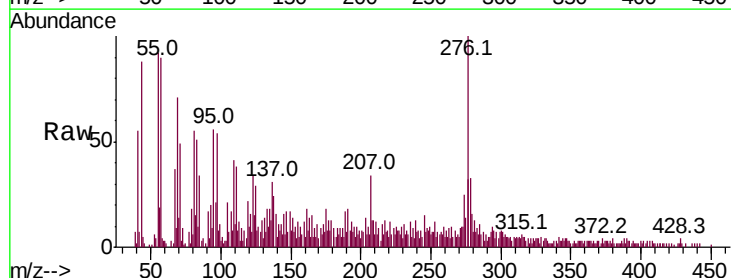
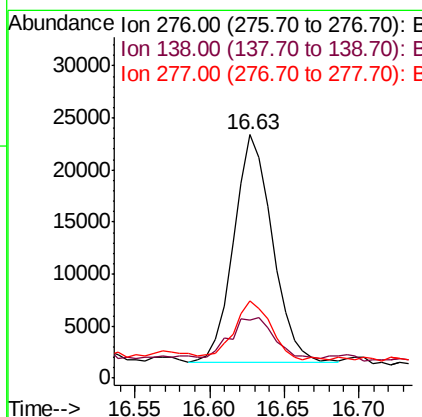
Manual Integrations
APPROVED

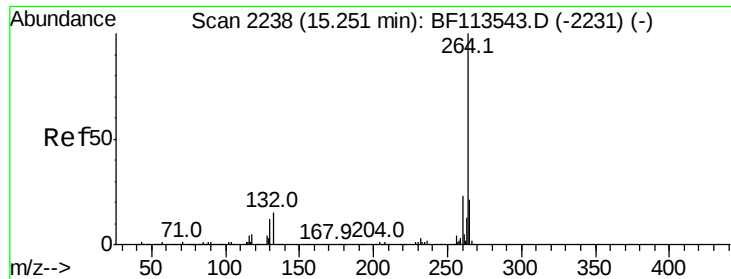
Sohil
4/5/2019 3:48:34 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.246 ng
RT: 16.63 min Scan# 2472
Delta R.T. 0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	21.6	18.1	27.1		
277	25.9	20.2	30.4		





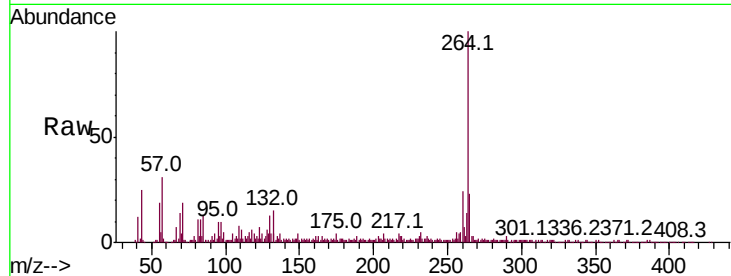
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-002-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	22.9	17.1	25.7

Manual Integrations
APPROVED

Sohil
4/5/2019 3:48:34 AM

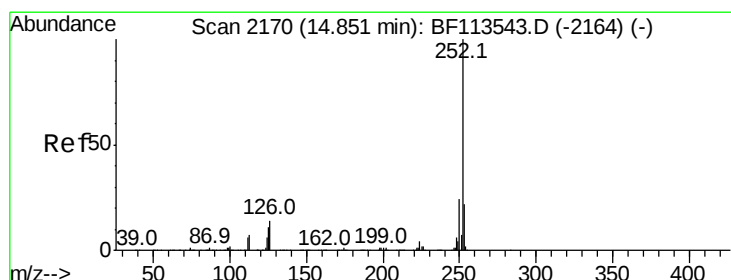
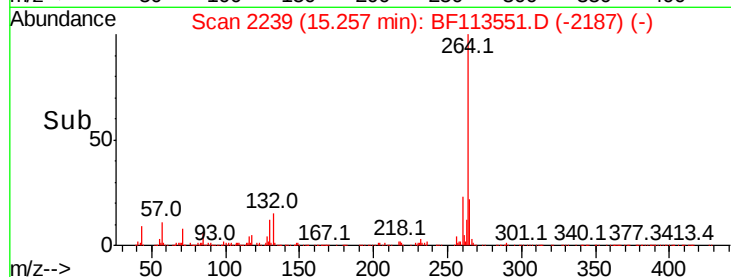
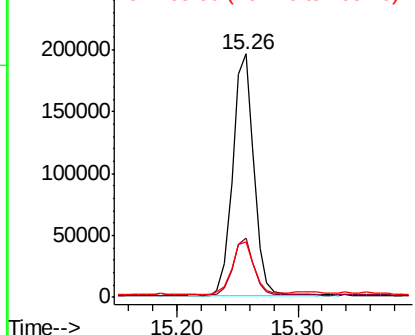


Abundance

Ion 264.00 (263.70 to 264.70): E

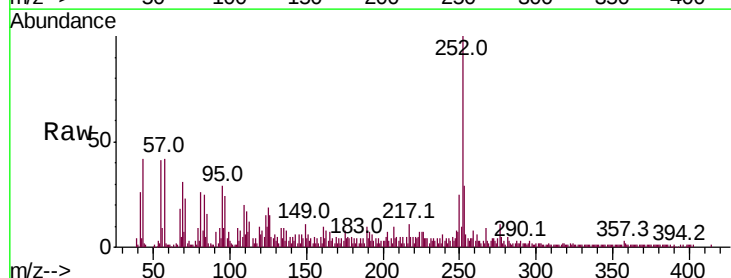
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 7.435 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.0	27.0#
125	19.5	7.6	11.4#

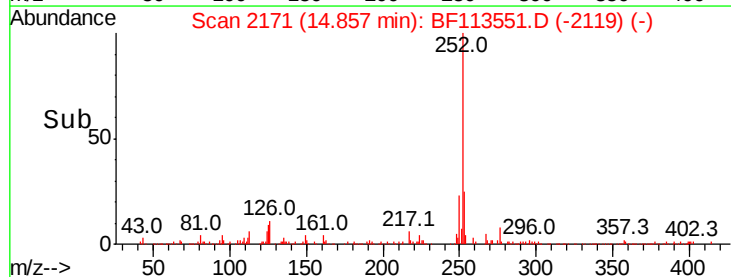
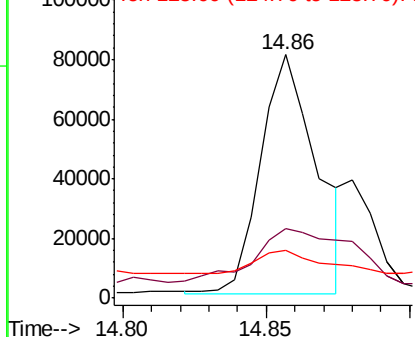


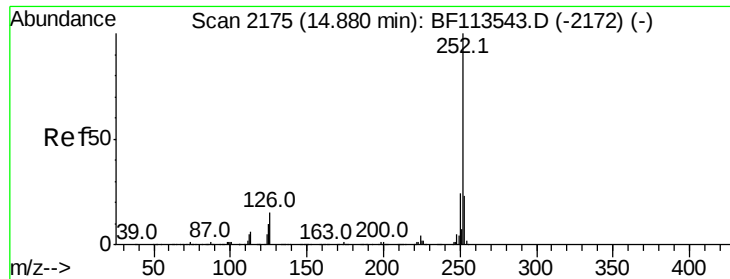
Abundance

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





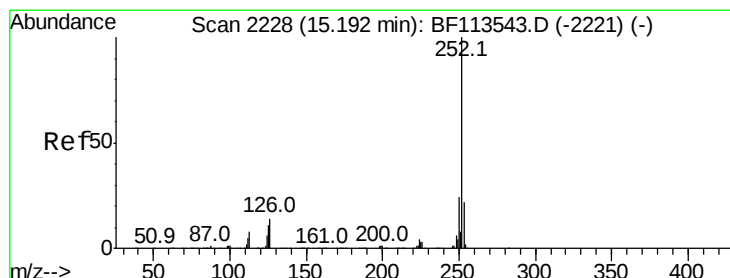
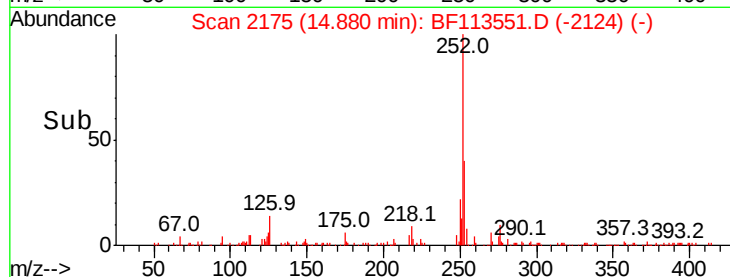
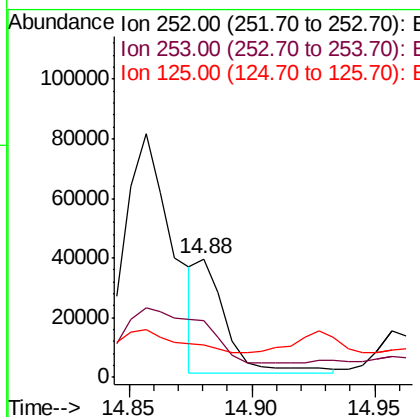
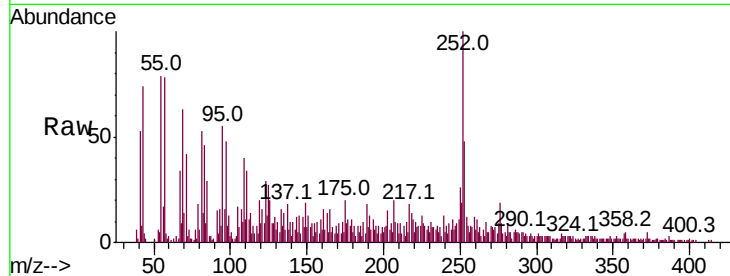
#89
Benzo(k)fluoranthene
Concen: 2.418 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-002-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	47.5	17.7	26.5#
125	27.1	7.3	10.9#

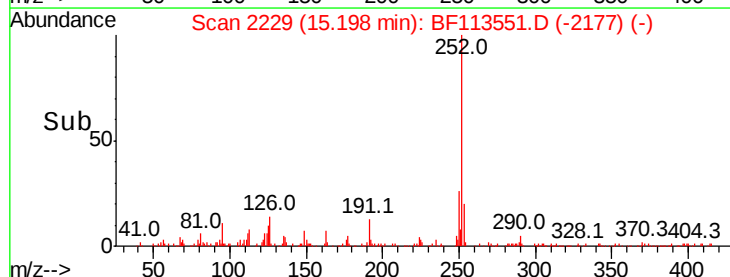
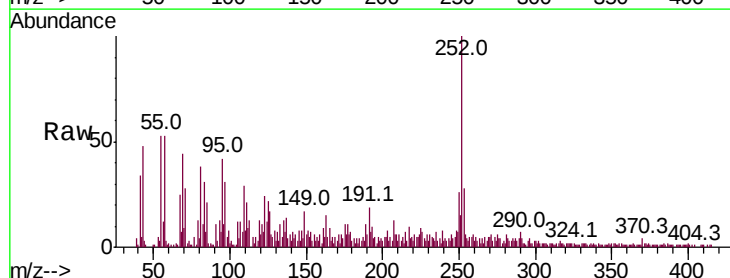
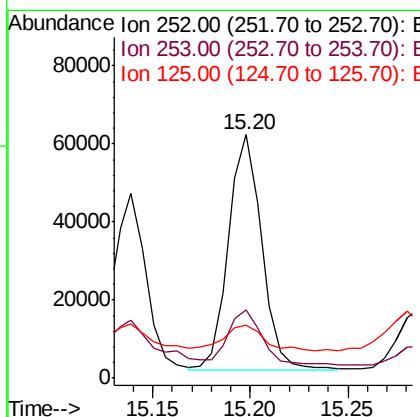
Manual Integrations
APPROVED

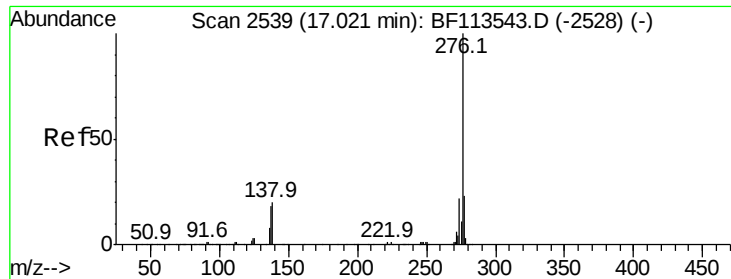
Sohil
4/5/2019 3:48:34 AM



#90
Benzo(a)pyrene
Concen: 5.518 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF113551.D
Acq: 3 Apr 2019 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.9	26.9#
125	21.8	8.8	13.2#





#92
 Benzo(a,h,i)perylene
 Concen: 3.433 ng
 RT: 17.04 min Scan# 2542
 Delta R.T. 0.02 min
 Lab File: BF113551.D
 Acq: 3 Apr 2019 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-002-B

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	31.1	18.8	28.2	#
138	26.5	15.6	23.4	#

Manual Integrations
 APPROVED

Sohil
 4/5/2019 3:48:34 AM

