

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
 Data File : BF112826.D
 Acq On : 4 Mar 2019 16:06
 Operator : JU/SJ
 Sample : K1688-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-D

Manual Integrations
 APPROVED

Sohil
 3/6/2019 9:28:14 AM

Quant Time: Mar 05 01:26:59 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	6.75	152	158038	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	535604	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	221795	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	440688	20.00	ng	0.00
76) Chrysene-d12	13.88	240	435976	20.00	ng	0.00
87) Perylene-d12	15.30	264	316163	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	629905	62.00	ng	0.00
7) Phenol-d6	6.37	99	799071	62.61	ng	0.00
23) Nitrobenzene-d5	7.30	82	448499	50.11	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	190398	80.86	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	727441	48.47	ng	0.00
79) Terphenyl-d14	12.84	244	795372	35.36	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	35994	2.417	ng	96
50) Dimethylphthalate	9.49	163	53129	3.249	ng	# 98
71) Phenanthrene	11.27	178	245904	11.215	ng	99
72) Anthracene	11.33	178	70423	3.068	ng	98
75) Fluoranthene	12.46	202	450797	19.190	ng	96
78) Pyrene	12.69	202	406781	11.068	ng	97
81) Benzo(a)anthracene	13.87	228	222671	7.369	ng	98
83) Chrysene	13.91	228	202107	6.829	ng	97
86) Indeno(1,2,3-cd)pyrene	16.66	276	73997	2.933	ng	# 93
88) Benzo(b)fluoranthene	14.90	252	205822m	10.064	ng	
89) Benzo(k)fluoranthene	14.92	252	79509m	4.292	ng	
90) Benzo(a)pyrene	15.24	252	130131	7.194	ng	97
92) Benzo(a,h,i)perylene	17.07	276	68993	4.451	ng	95

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

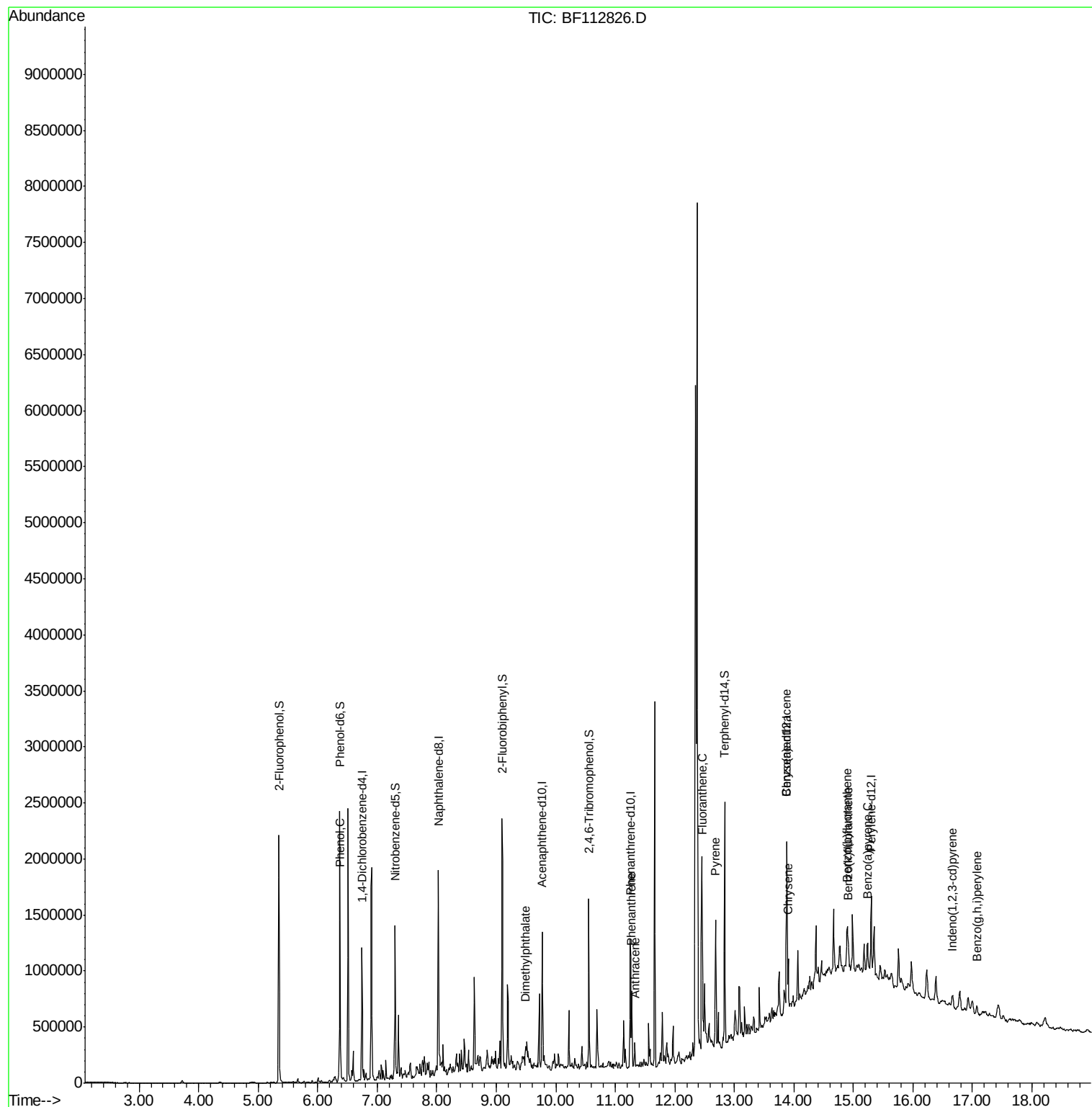
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112826.D
Acq On : 4 Mar 2019 16:06
Operator : JU/SJ
Sample : K1688-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

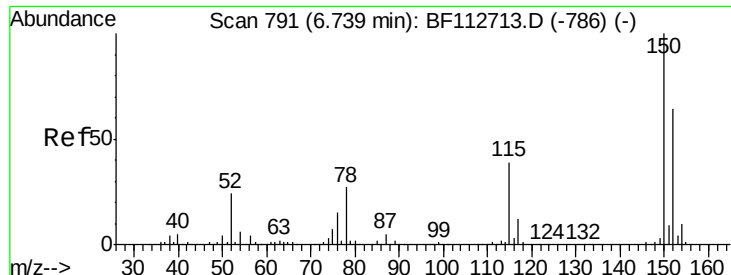
Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Manual Integrations
APPROVED

Sohil
3/6/2019 9:28:14 AM

Quant Time: Mar 05 01:26:59 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

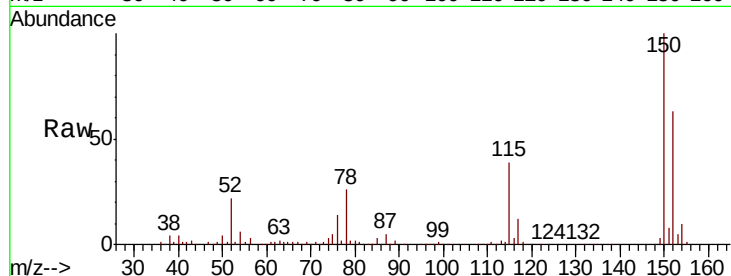
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.2	186.2
115	61.6	48.2	72.4

Manual Integrations
APPROVED

Sohil
3/6/2019 9:28:14 AM

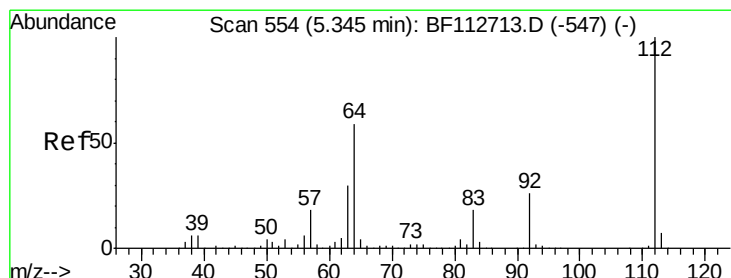
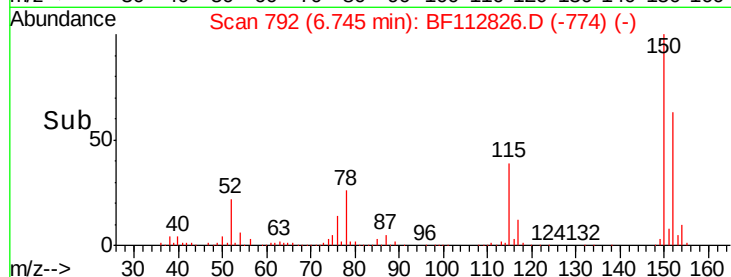
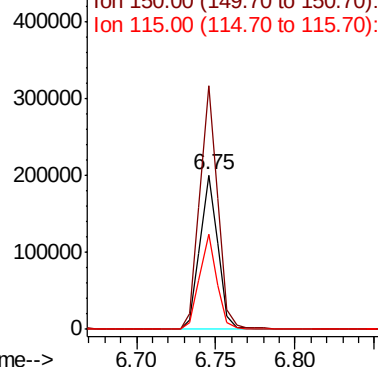


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

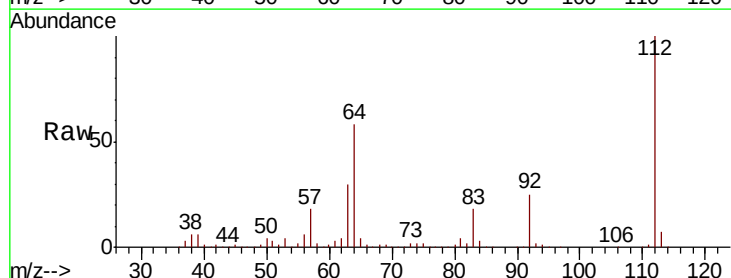
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 62.001 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.6	71.4
63	30.2	24.4	36.6

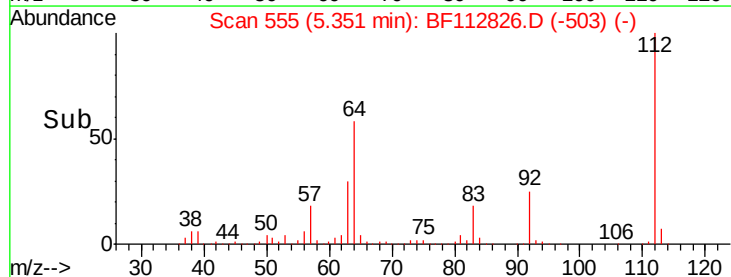
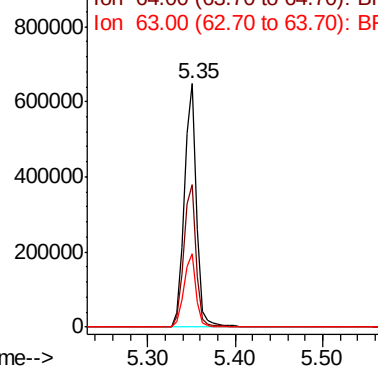


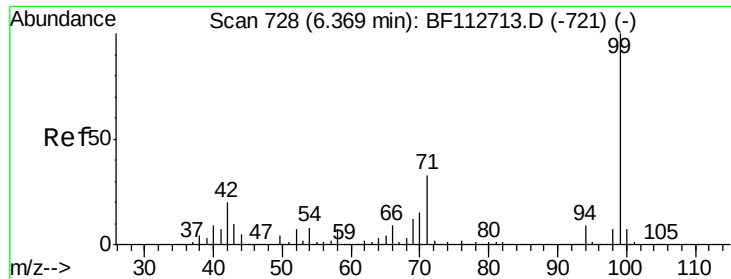
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 62.612 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

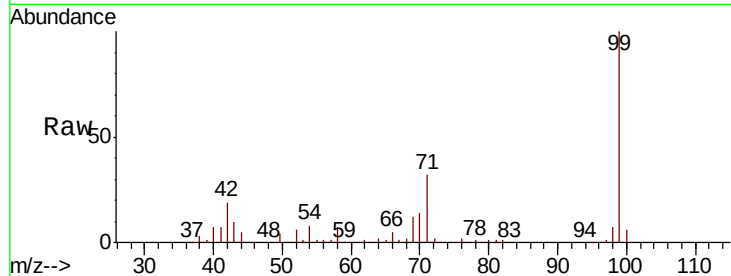
ClientSampleId :

JC-03-030119-D

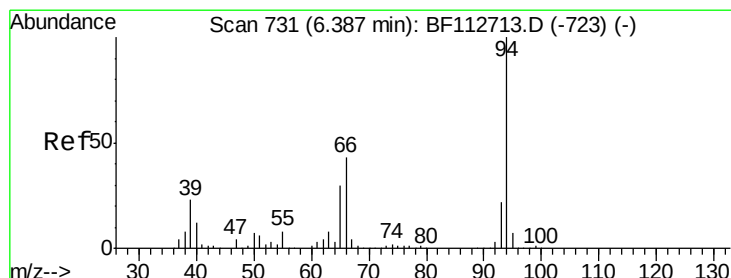
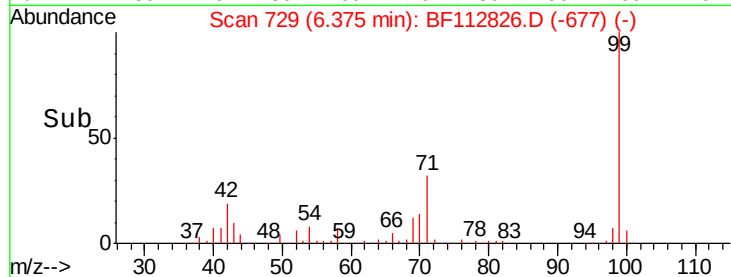
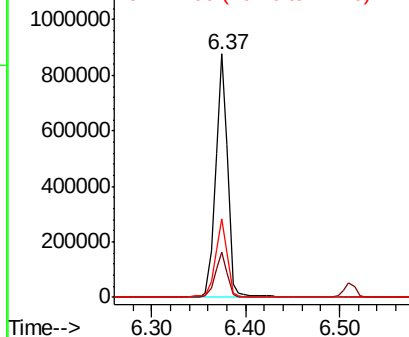
Tot Ion:	99	Resp:	799071
Ion Ratio	Lower	Upper	
99	100		
42	18.8	16.3	24.5
71	32.3	26.2	39.4

Manual Integrations
APPROVED

Sohil
3/6/2019 9:28:14 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
1200000
Ion 42.00 (41.70 to 42.70): BF1
1000000
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.417 ng

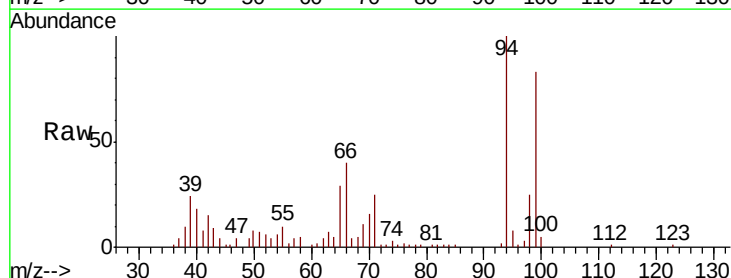
RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

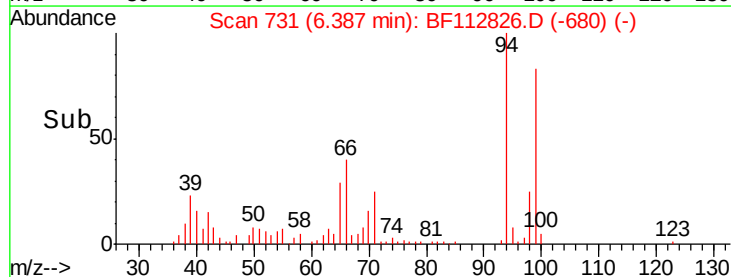
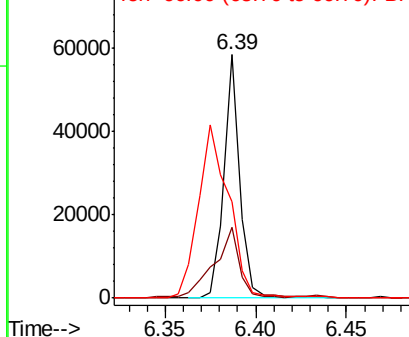
Lab File: BF112826.D

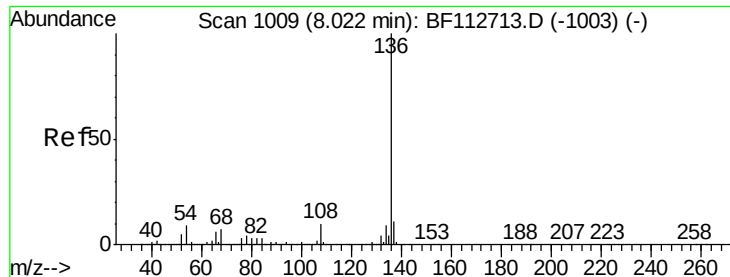
Acq: 4 Mar 2019 16:06

Tgt Ion:	94	Resp:	35994
Ion Ratio	Lower	Upper	
94	100		
65	29.1	10.5	50.5
66	39.8	22.6	62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
80000
Ion 65.00 (64.70 to 65.70): BF1
60000
Ion 66.00 (65.70 to 66.70): BF1





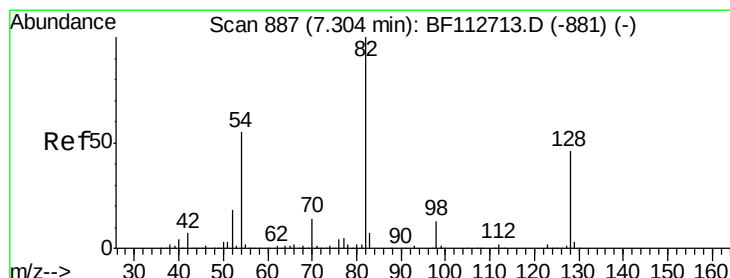
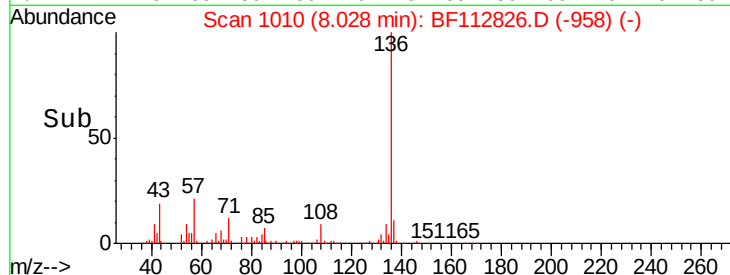
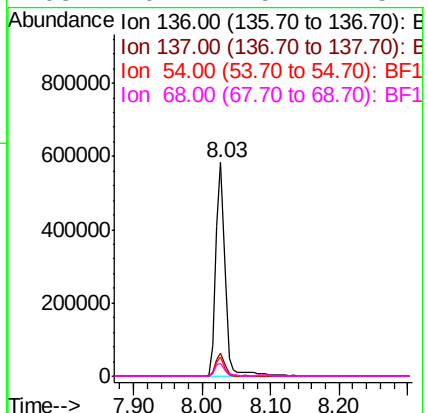
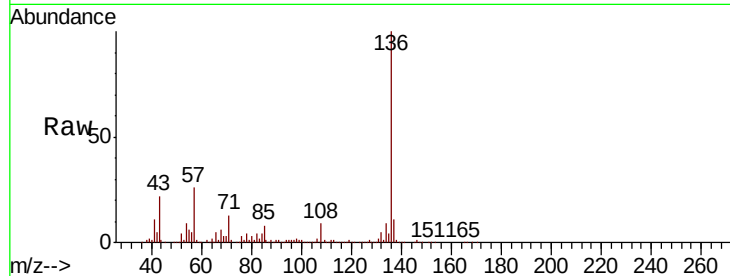
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		535604		
137	10.9	8.9	13.3		
54	8.8	7.3	10.9		
68	6.2	5.4	8.2		

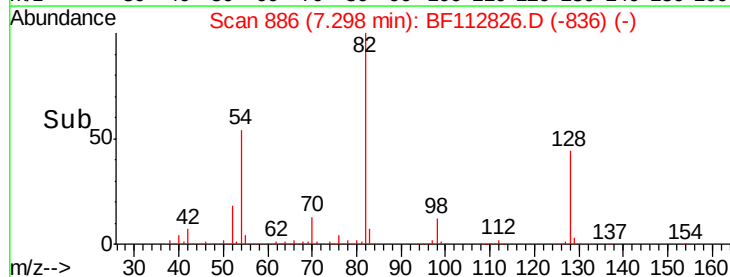
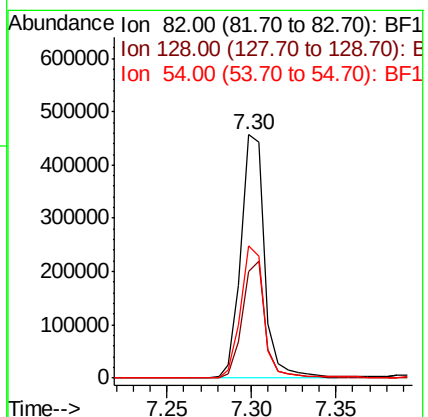
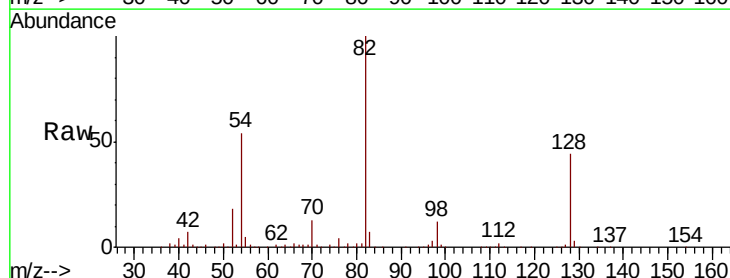
Manual Integrations
APPROVED

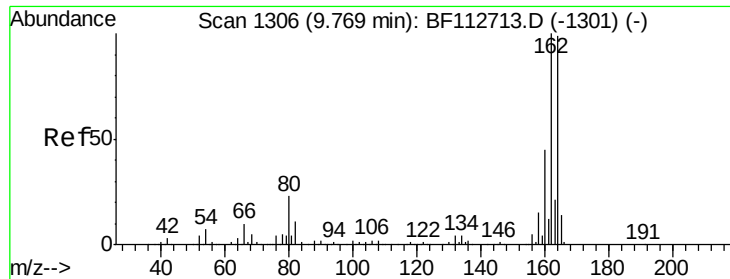
Sohil
3/6/2019 9:28:14 AM



#23
Nitrobenzene-d5
Concen: 50.107 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		448499		
128	43.6	36.3	54.5		
54	54.5	43.7	65.5		





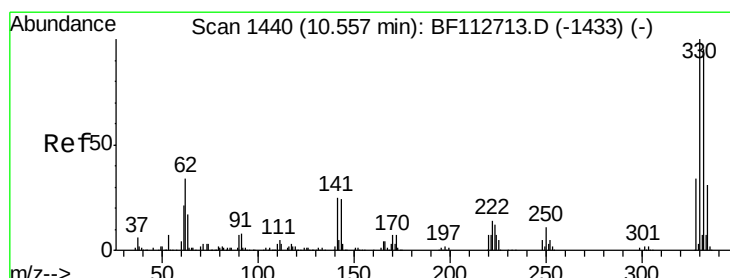
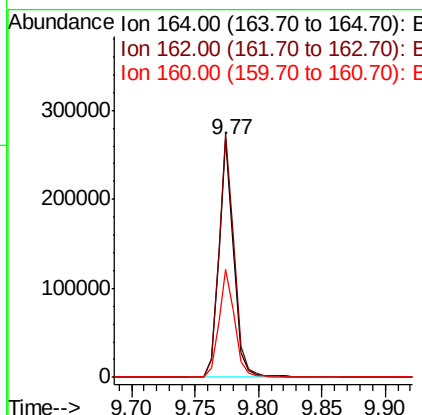
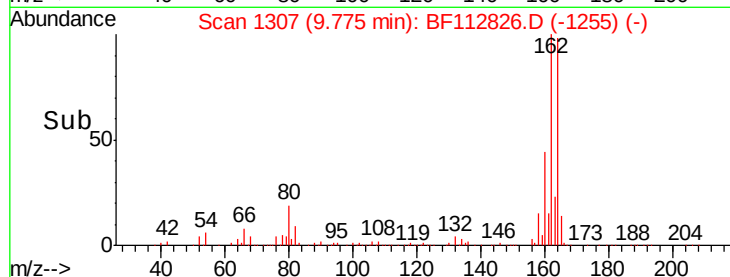
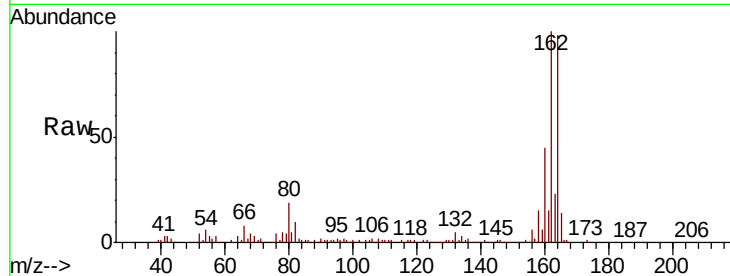
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	80.6	120.8	
160	45.4	36.0	54.0	

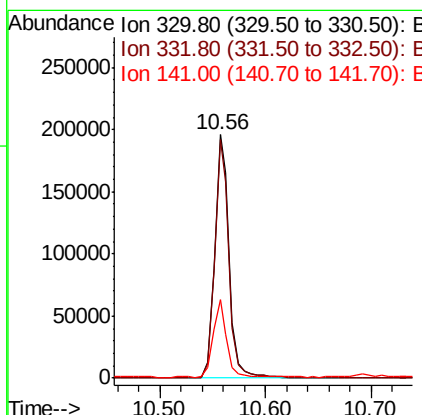
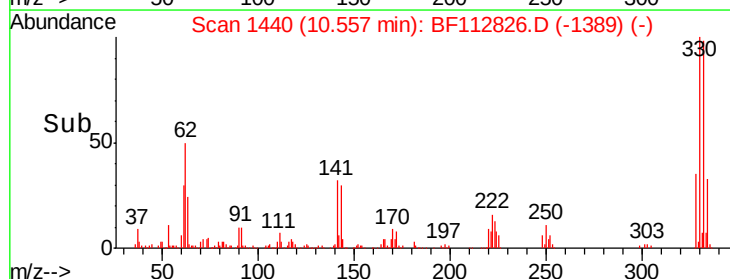
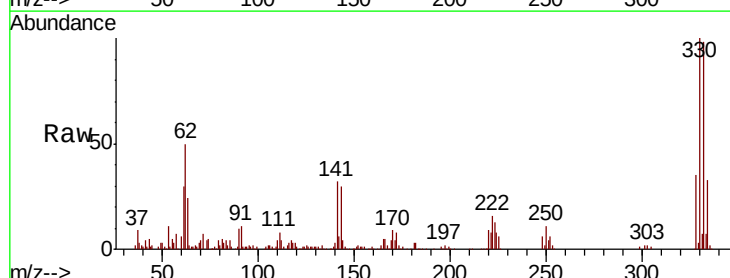
Manual Integrations
APPROVED

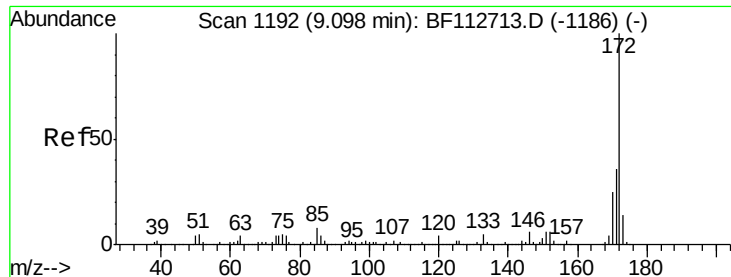
Sohil
3/6/2019 9:28:14 AM



#42
2,4,6-Tribromophenol
Concen: 80.861 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.2	114.4	
141	29.0	27.0	40.6	





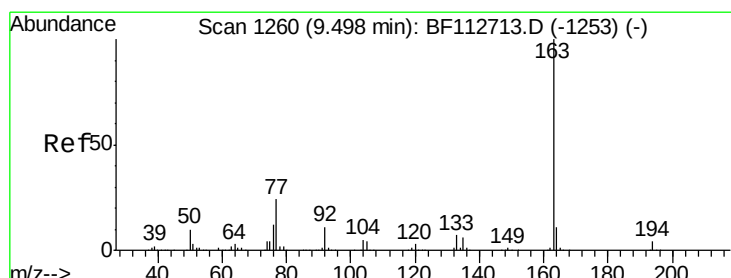
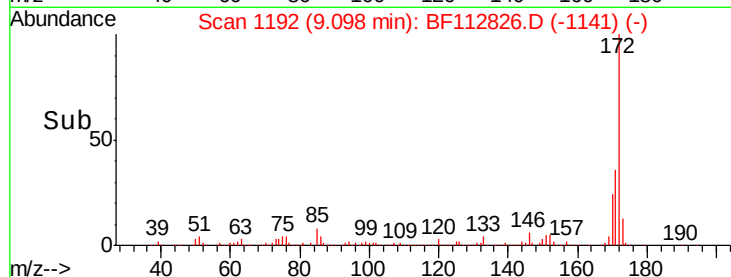
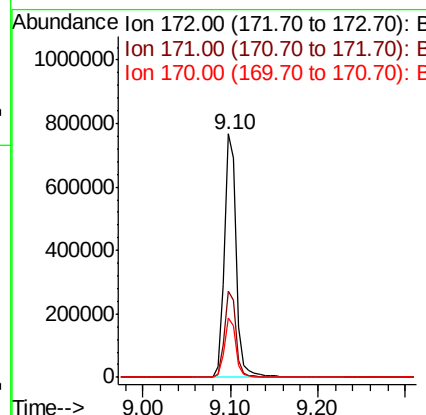
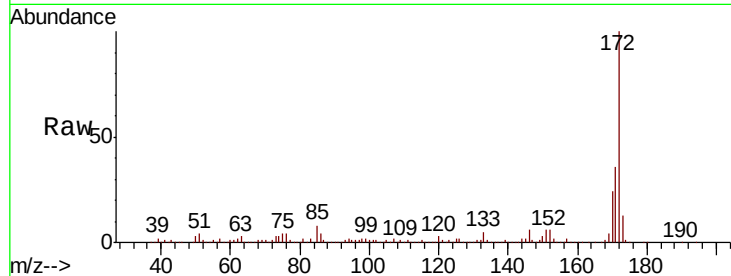
#45
2-Fluorobiphenyl
Concen: 48.470 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

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

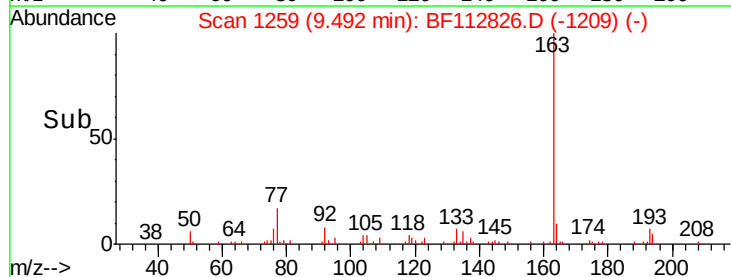
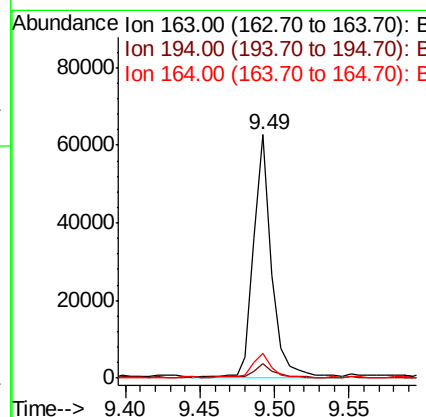
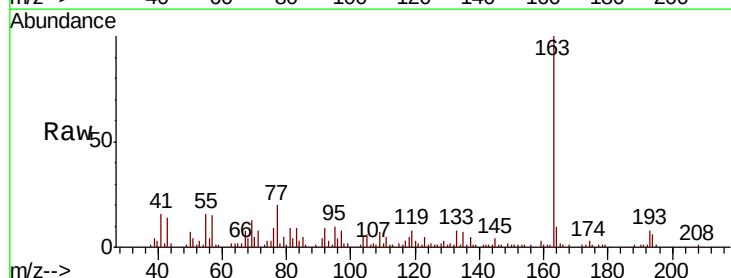
Manual Integrations
APPROVED

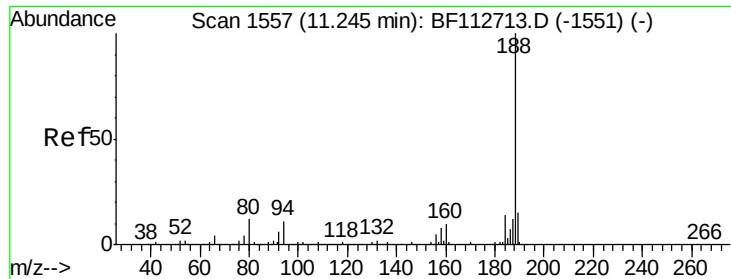
Sohil
3/6/2019 9:28:14 AM



#50
Dimethylphthalate
Concen: 3.249 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.0	4.4#
164	10.2	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

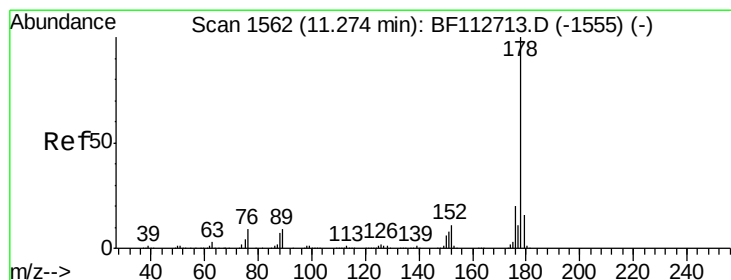
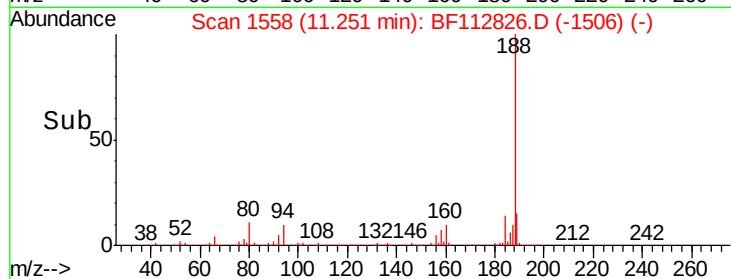
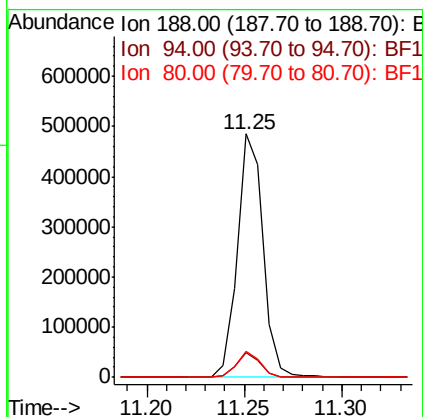
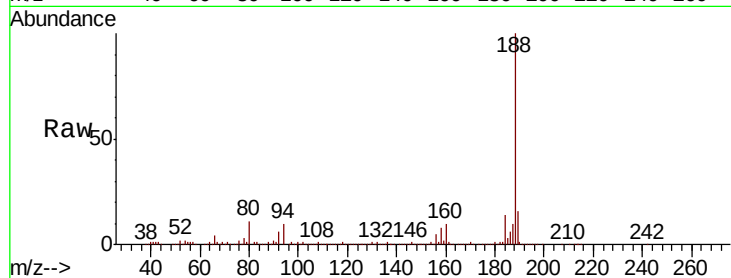
ClientSampleId :

JC-03-030119-D

Tot Ion:	188	Resp:	440688
Ion Ratio	Lower	Upper	
188	100		
94	10.0	9.0	13.4
80	10.9	9.2	13.8

Manual Integrations
APPROVED

Sohil
3/6/2019 9:28:14 AM



#71

Phenanthrene

Concen: 11.215 ng

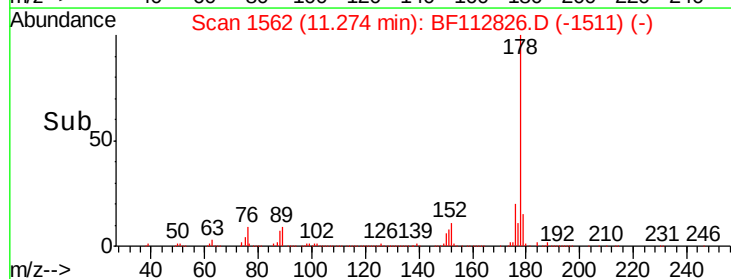
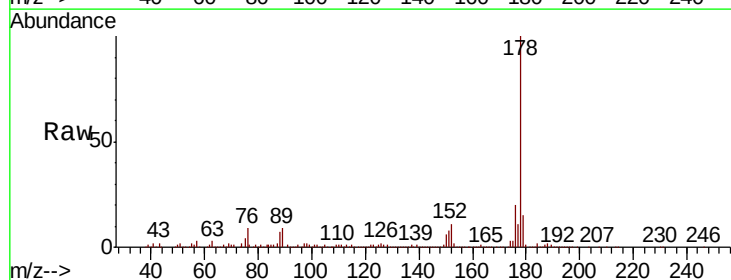
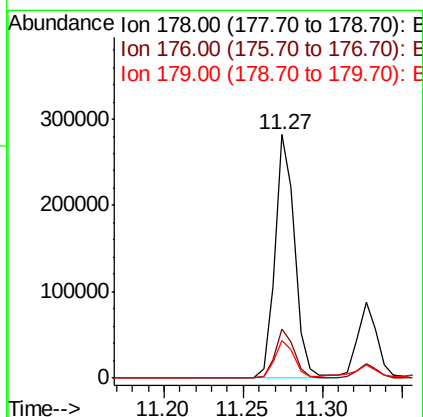
RT: 11.27 min Scan# 1562

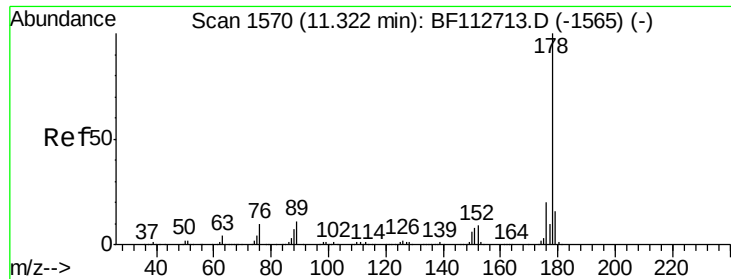
Delta R.T. 0.00 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Tgt Ion:	178	Resp:	245904
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.3	24.5
179	15.4	12.7	19.1





#72

Anthracene

Concen: 3.068 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

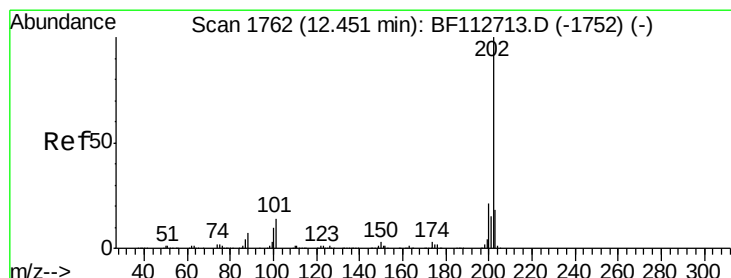
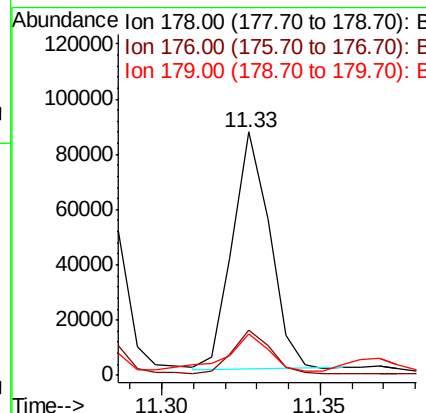
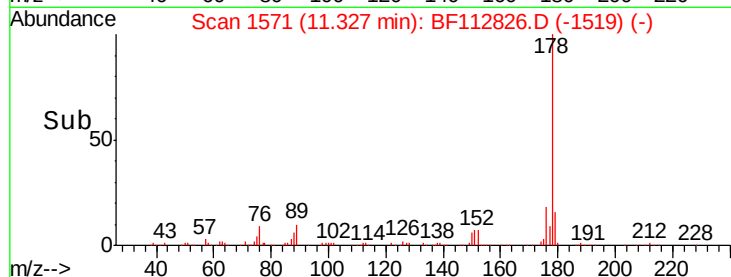
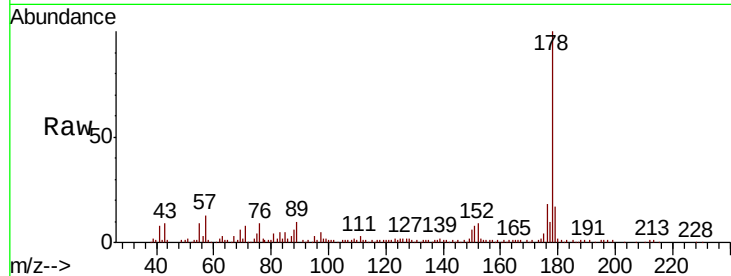
ClientSampleId :

JC-03-030119-D

Tot Ion:	178	Resp:	70423
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.6
179	16.9	13.0	19.6

Manual Integrations
APPROVED

Sohil
3/6/2019 9:28:14 AM



#75

Fluoranthene

Concen: 19.190 ng

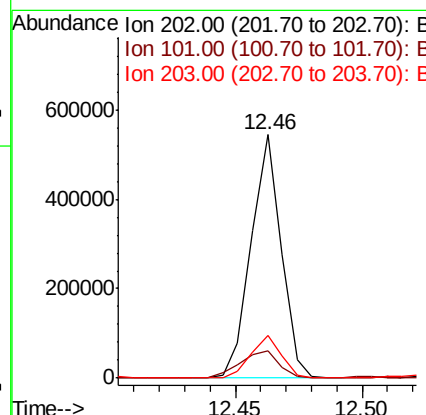
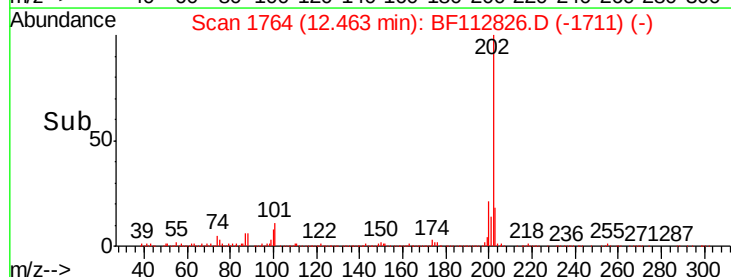
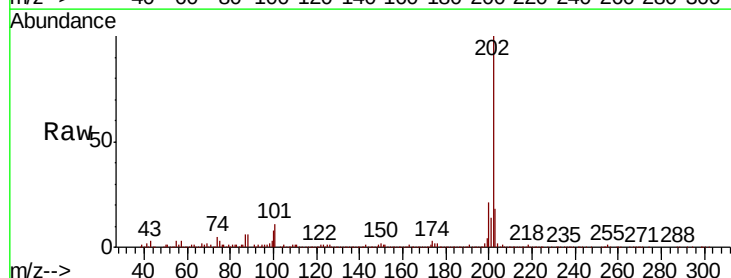
RT: 12.46 min Scan# 1764

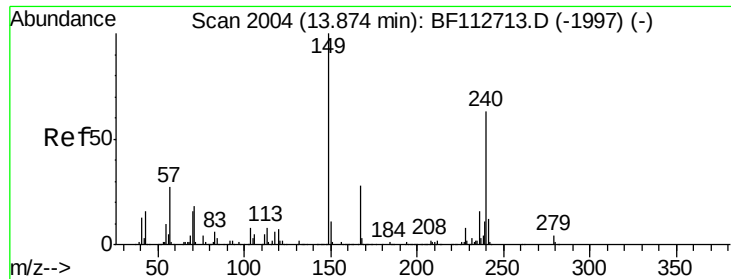
Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Tgt Ion:	202	Resp:	450797
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	33.8
203	17.7	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

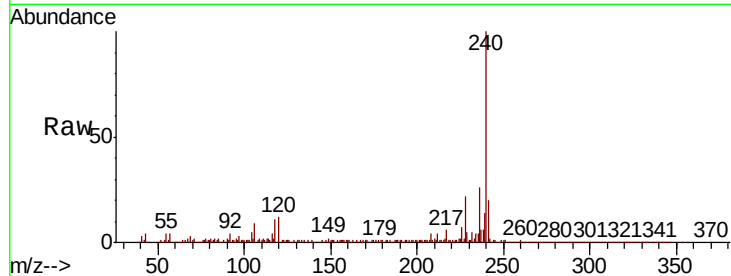
ClientSampleId :

JC-03-030119-D

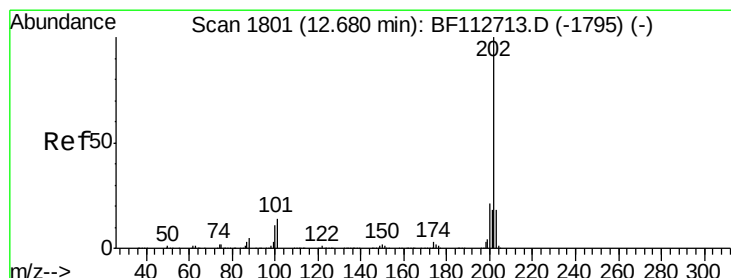
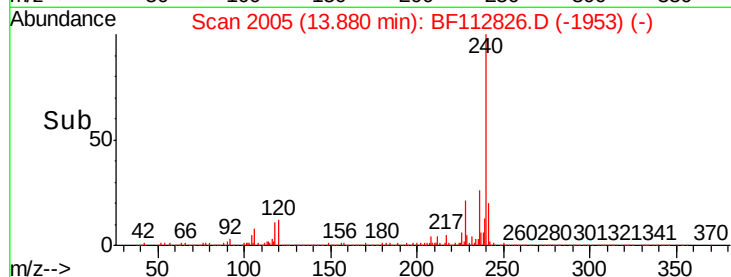
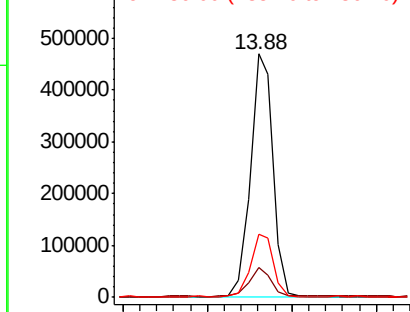
Tot Ion:	240	Resp:	435976
Ion Ratio	Lower	Upper	
240	100		
120	12.2	8.9	13.3
236	26.2	20.7	31.1

Manual Integrations
APPROVED

Sohil
3/6/2019 9:28:14 AM



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

Pyrene

Concen: 11.068 ng

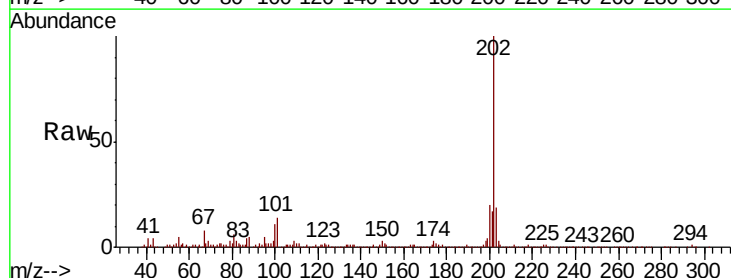
RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

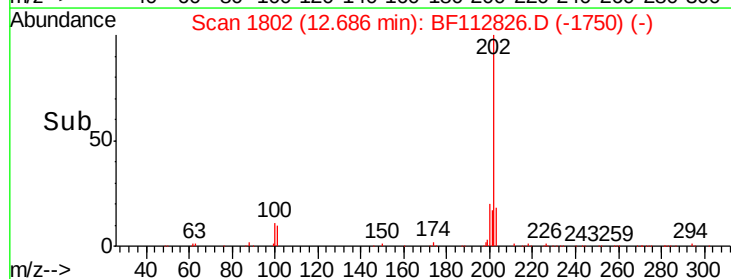
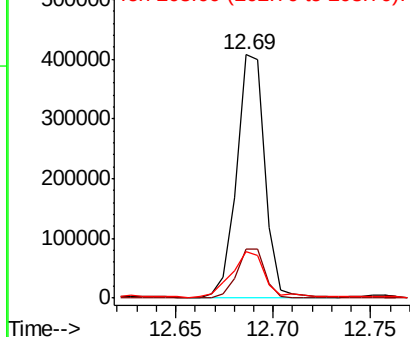
Lab File: BF112826.D

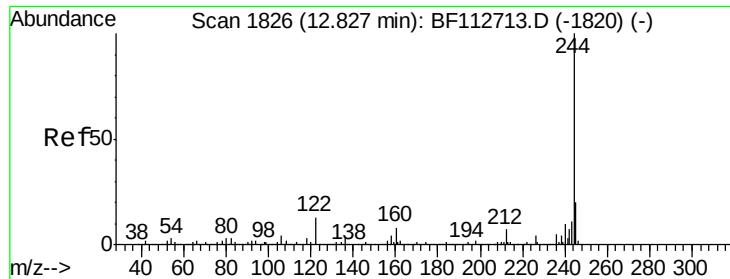
Acq: 4 Mar 2019 16:06

Tgt Ion:	202	Resp:	406781
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.0	25.4
203	19.0	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





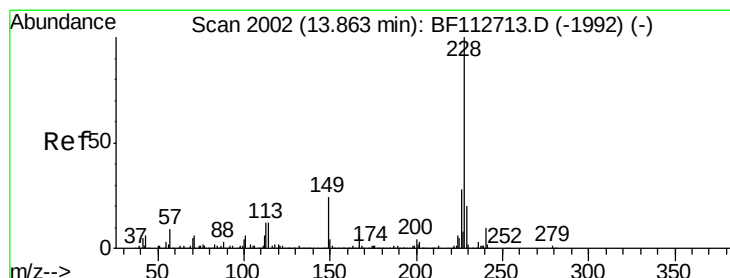
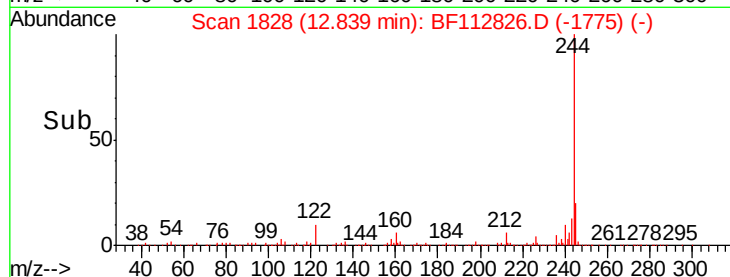
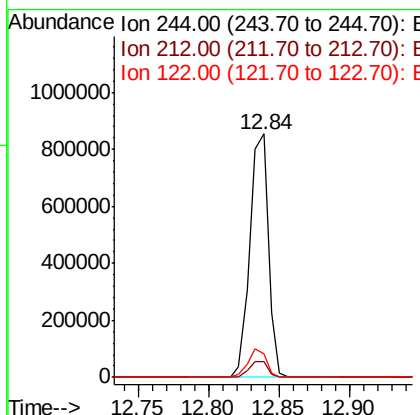
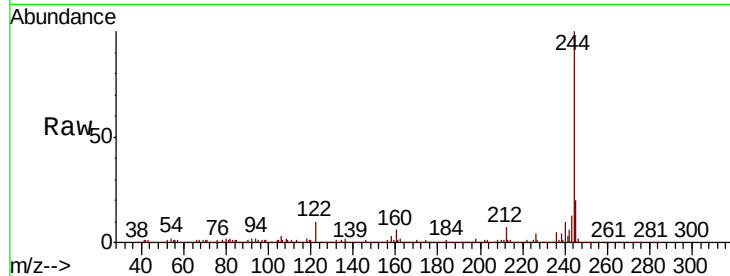
#79
 Terphenyl-d14
 Concen: 35.365 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: BF112826.D
 Acq: 4 Mar 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	9.7	10.5	15.7

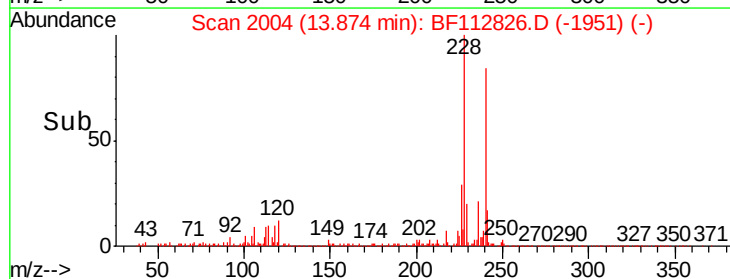
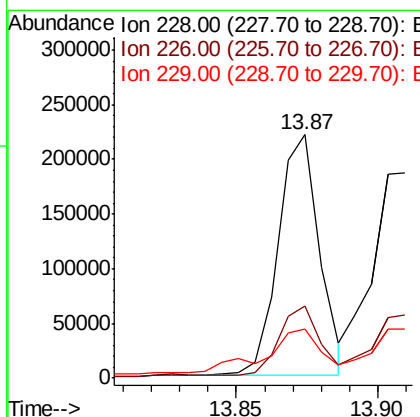
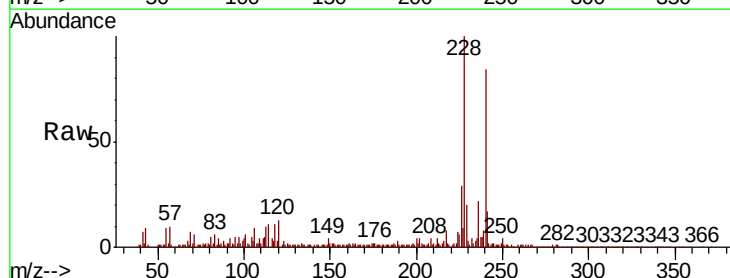
Manual Integrations
 APPROVED

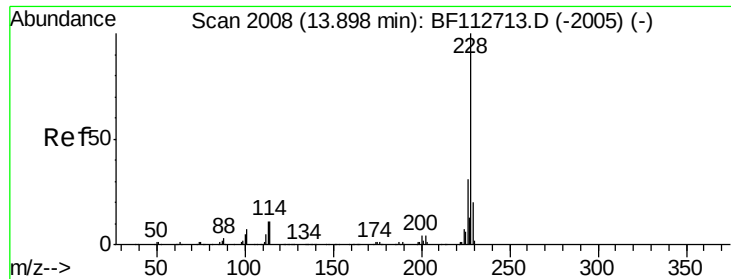
Sohil
 3/6/2019 9:28:14 AM



#81
 Benzo(a)anthracene
 Concen: 7.369 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BF112826.D
 Acq: 4 Mar 2019 16:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.2	33.4
229	20.3	16.0	24.0





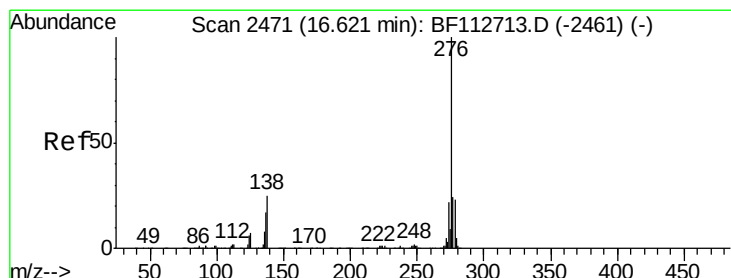
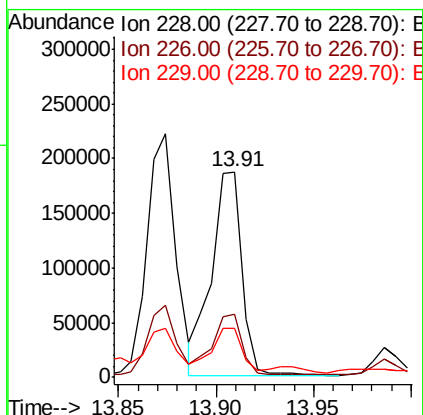
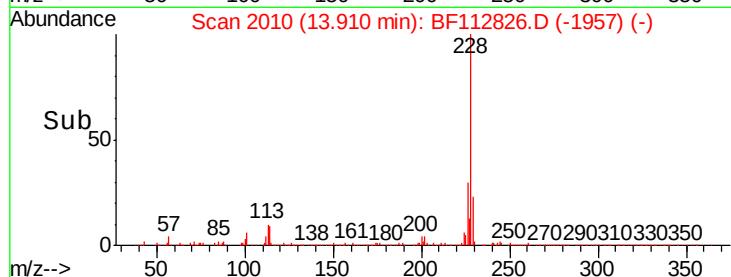
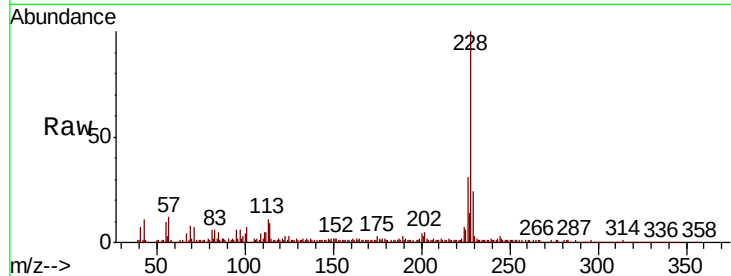
#83
Chrysene
Concen: 6.829 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	24.0	16.3	24.5

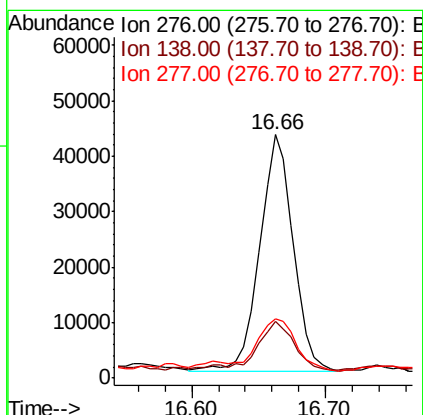
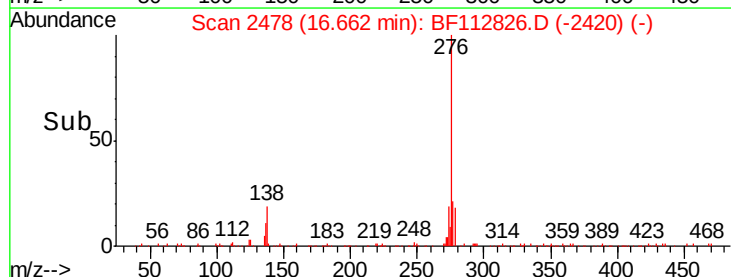
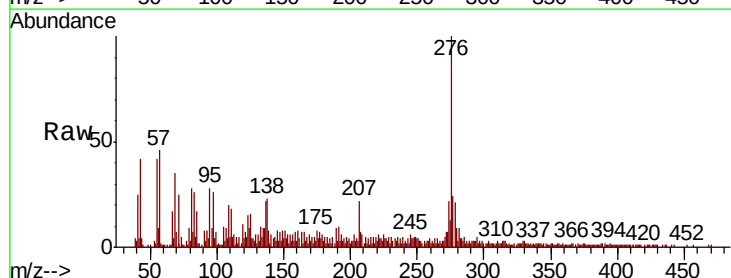
Manual Integrations
APPROVED

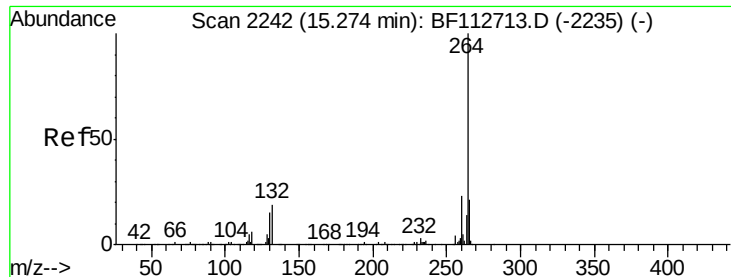
Sohil
3/6/2019 9:28:14 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.933 ng
RT: 16.66 min Scan# 2478
Delta R.T. 0.04 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	23.2	34.8#
277	26.3	19.9	29.9





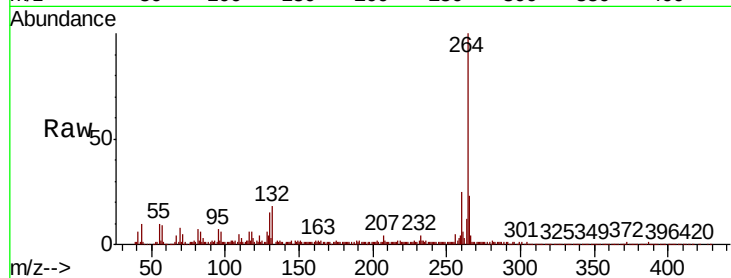
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	22.9	17.2	25.8

Manual Integrations
APPROVED

Sohil
3/6/2019 9:28:14 AM

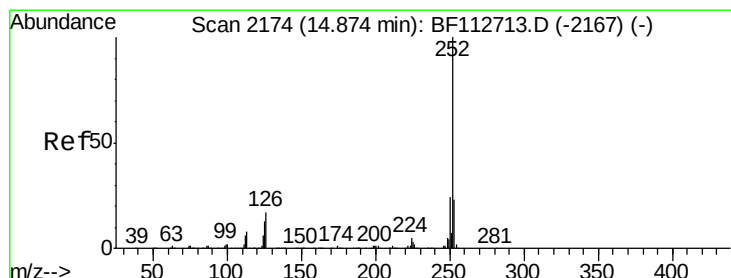
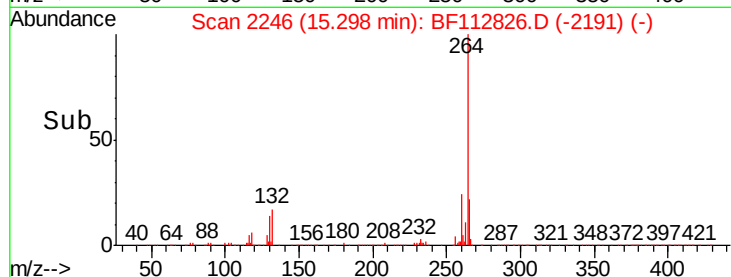
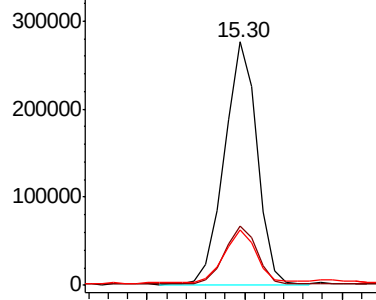


Abundance

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: 10.064 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

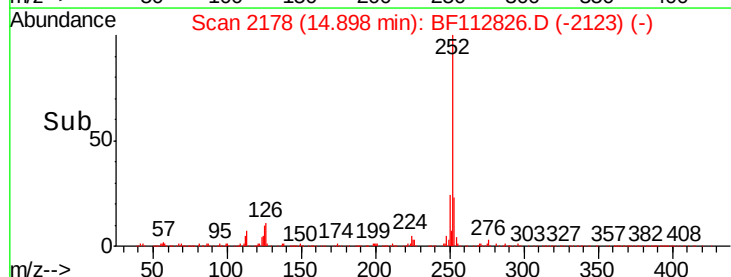
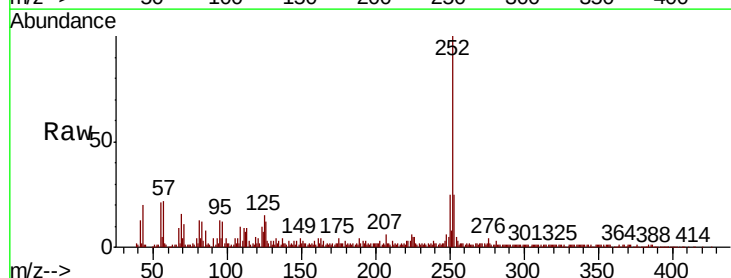
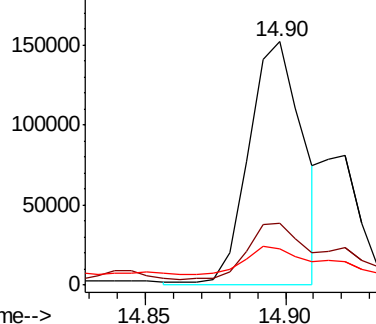
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	14.9	10.2	15.2

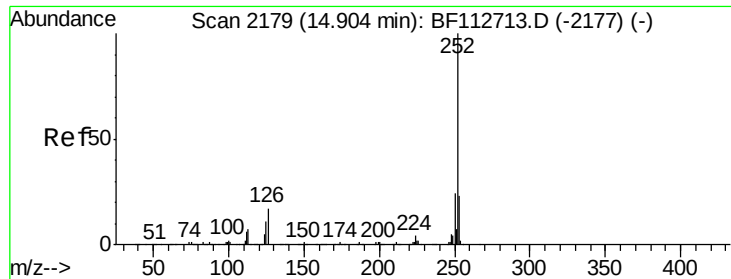
Abundance

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





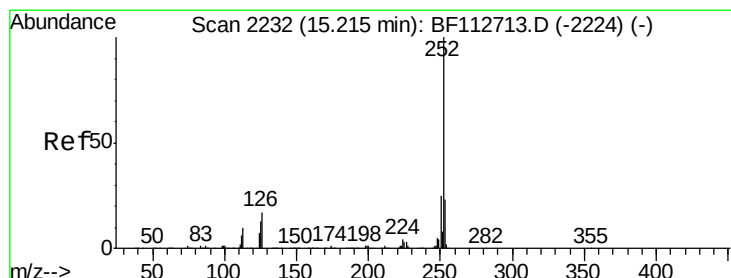
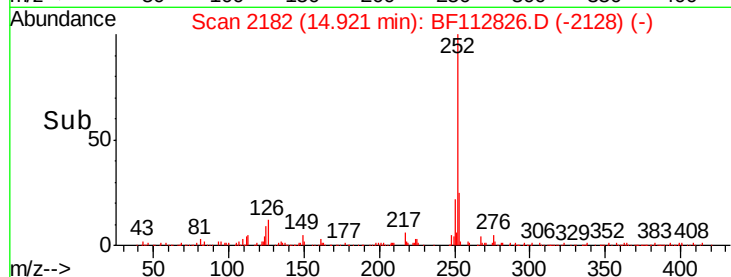
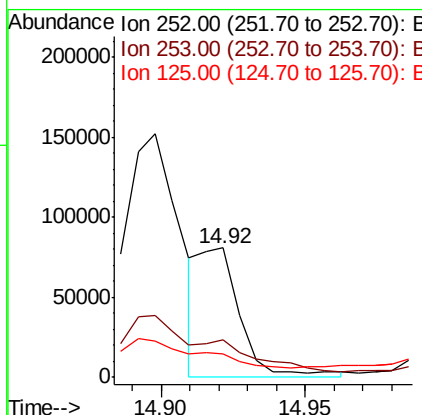
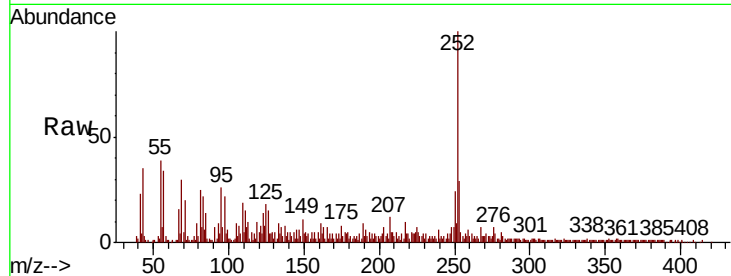
#89
Benzo(k)fluoranthene
Concen: 4.292 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.2	27.2#
125	18.1	9.8	14.6#

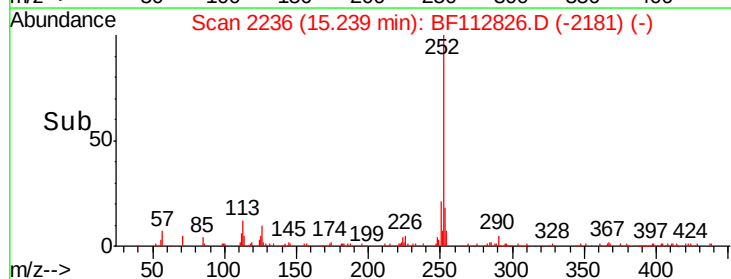
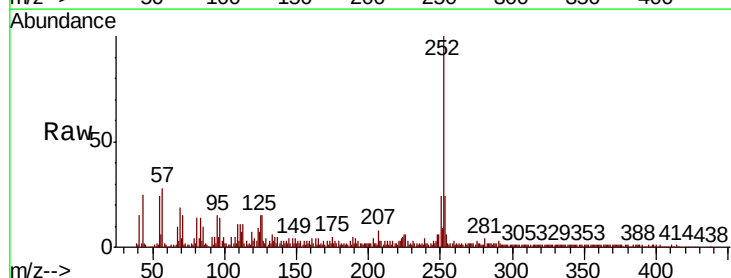
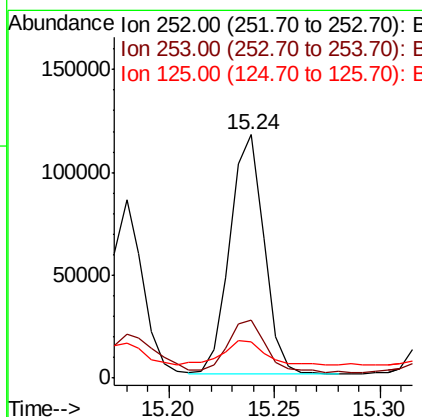
Manual Integrations
APPROVED

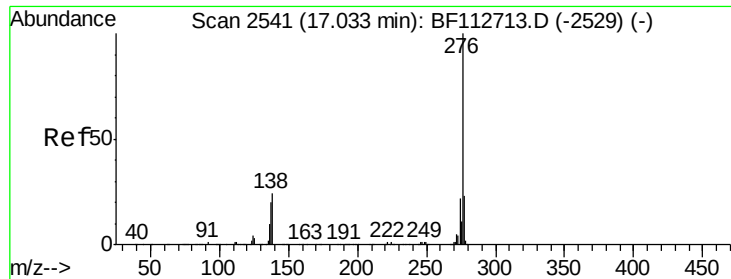
Sohil
3/6/2019 9:28:14 AM



#90
Benzo(a)pyrene
Concen: 7.194 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.02 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	14.8	10.7	16.1





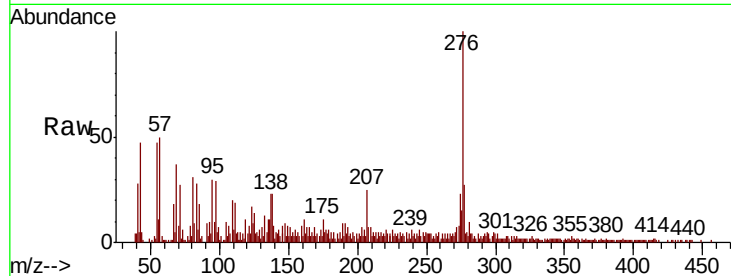
#92
 Benzo(a,h,i)perylene
 Concen: 4.451 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. 0.04 min
 Lab File: BF112826.D
 Acq: 4 Mar 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-D

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.6	27.8
138	23.5	19.4	29.0

Manual Integrations
 APPROVED

Sohil
 3/6/2019 9:28:14 AM



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

