

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF051219\
 Data File : BF114205.D
 Acq On : 12 May 2019 20:50
 Operator : JU/SJ
 Sample : K2767-12DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-01DL

Manual Integrations
 APPROVED

Sohil
 5/13/2019 8:37:40 PM

Quant Time: May 13 09:33:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	259184	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1003543	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	452688	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	806093	20.00	ng	0.00
76) Chrysene-d12	14.01	240	550748	20.00	ng	-0.01
87) Perylene-d12	15.48	264	590411	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	165122	10.25	ng	0.00
7) Phenol-d6	6.49	99	225186	11.82	ng	0.00
23) Nitrobenzene-d5	7.41	82	129517	7.24	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	40411	8.63	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	199736	6.67	ng	0.00
79) Terphenyl-d14	12.95	244	145854	5.46	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.75	152	142114	3.175	ng	97
71) Phenanthrene	11.39	178	454535	11.590	ng	98
75) Fluoranthene	12.58	202	592751	14.036	ng	97
78) Pyrene	12.82	202	1106922	24.984	ng	98
81) Benzo(a)anthracene	14.00	228	374532m	10.514	ng	
83) Chrysene	14.03	228	434084	12.431	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	175693	5.693	ng	97
88) Benzo(b)fluoranthene	15.05	252	443450m	11.724	ng	
89) Benzo(k)fluoranthene	15.07	252	129061m	3.714	ng	
90) Benzo(a)pyrene	15.42	252	340289	10.222	ng	98
92) Benzo(g,h,i)perylene	17.39	276	203423	7.338	ng	99

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

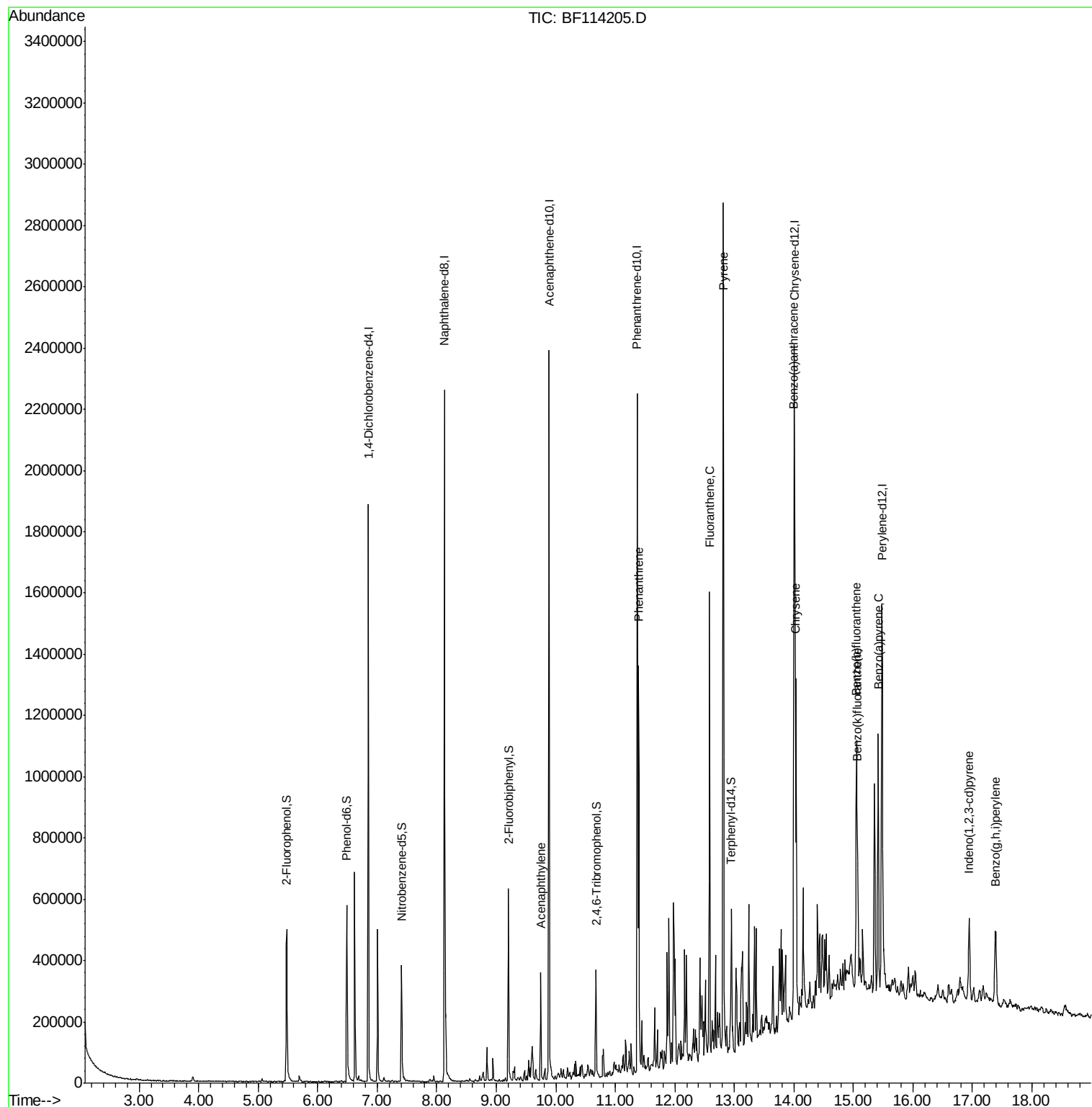
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF051219\
Data File : BF114205.D
Acq On : 12 May 2019 20:50
Operator : JU/SJ
Sample : K2767-12DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

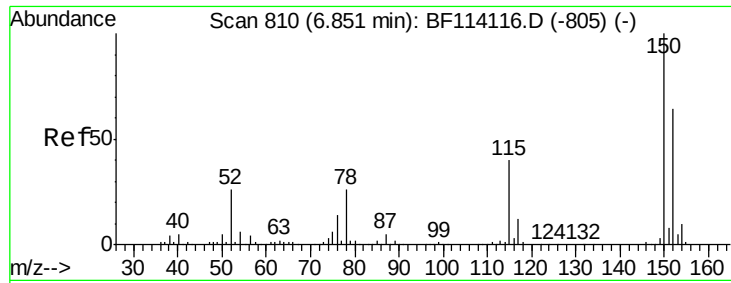
Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

Manual Integrations
APPROVED

Sohil
5/13/2019 8:37:40 PM

Quant Time: May 13 09:33:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





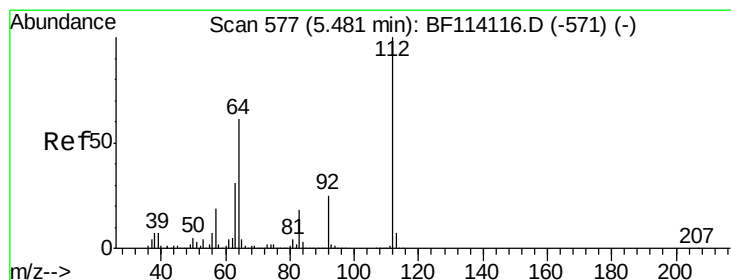
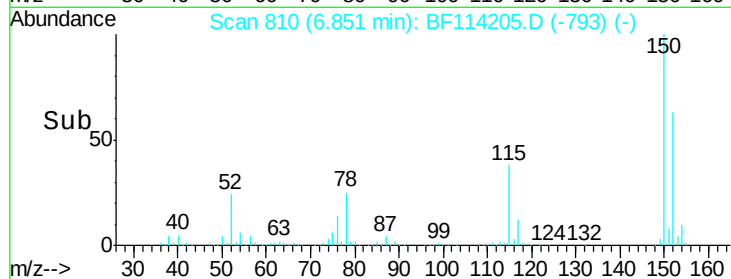
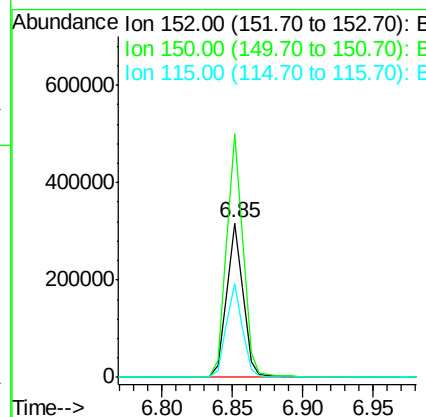
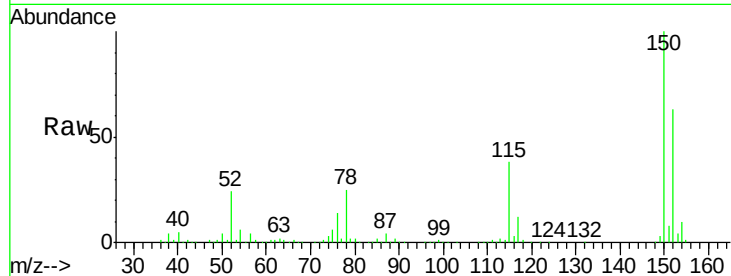
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF114205.D
 Acq: 12 May 2019 20:50

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.3	186.5
115	60.3	49.1	73.7

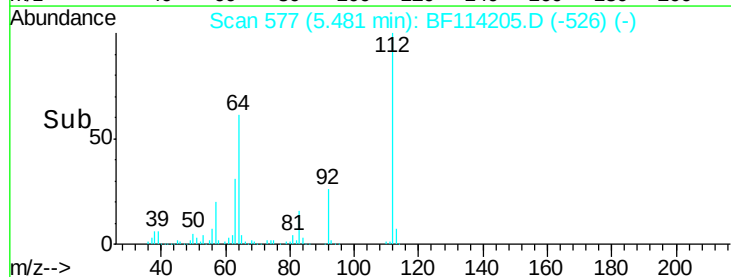
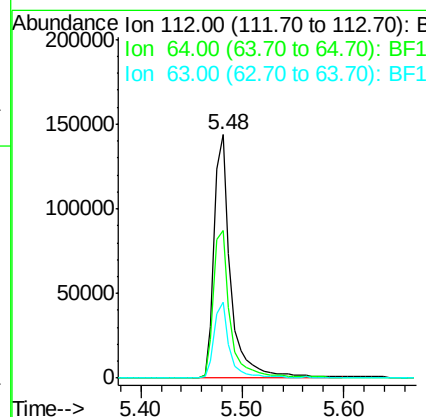
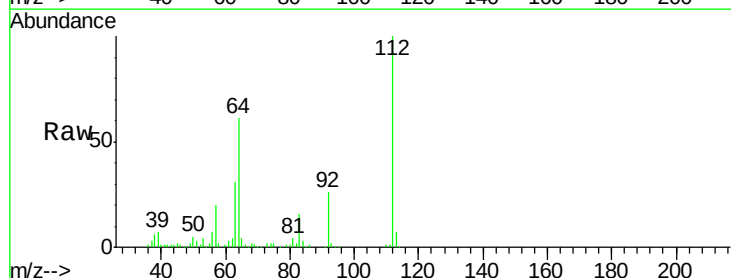
Manual Integrations
 APPROVED

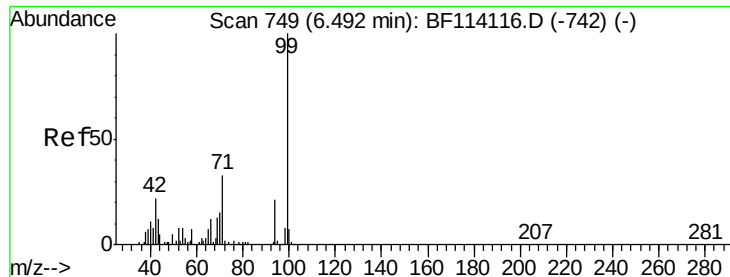
Sohil
 5/13/2019 8:37:40 PM



#5
 2-Fluorophenol
 Concen: 10.252 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF114205.D
 Acq: 12 May 2019 20:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.6
63	30.9	24.6	37.0





#7

Phenol-d6

Concen: 11.822 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

BNA_F

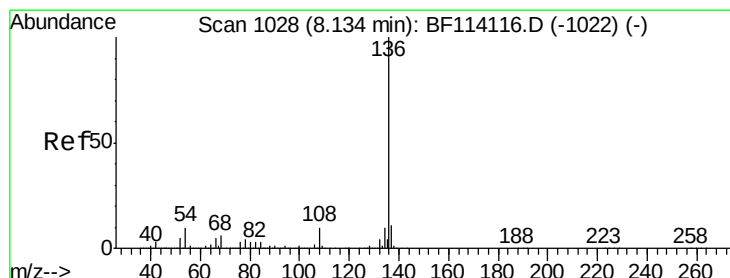
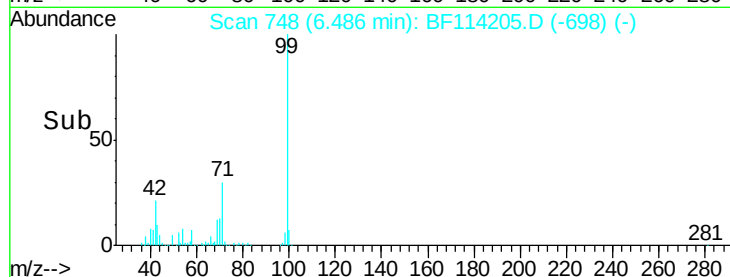
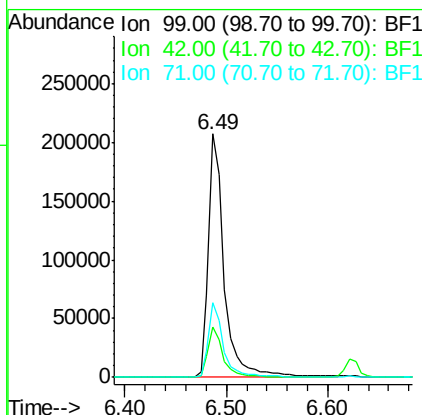
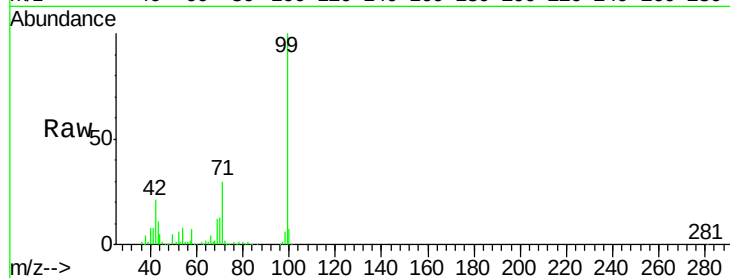
ClientSampleId :

P026-SS012-0002-01DL

Tot Ion:	99	Resp:	225186
Ion Ratio	Lower	Upper	
99	100		
42	20.7	17.9	26.9
71	30.5	26.2	39.2

Manual Integrations
APPROVED

Sohil
5/13/2019 8:37:40 PM



#21

Naphthalene-d8

Concen: 20.000 ng

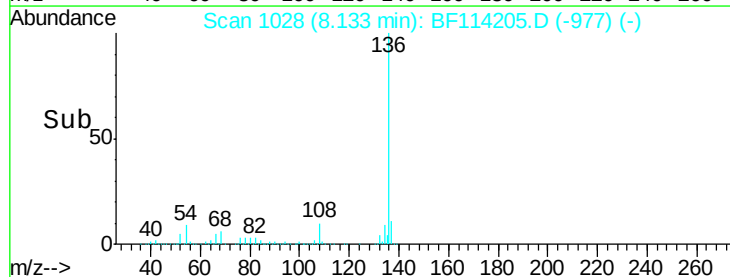
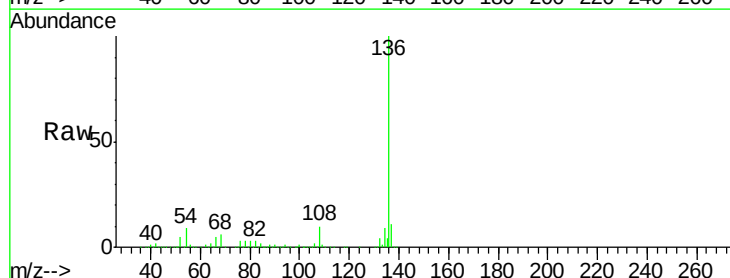
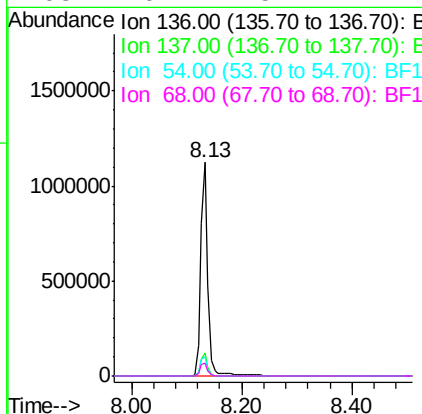
RT: 8.13 min Scan# 1028

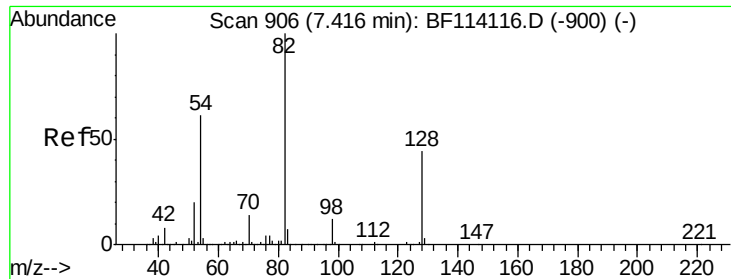
Delta R.T. -0.00 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Tgt Ion:	136	Resp:	1003543
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	9.2	7.8	11.8
68	6.2	5.1	7.7





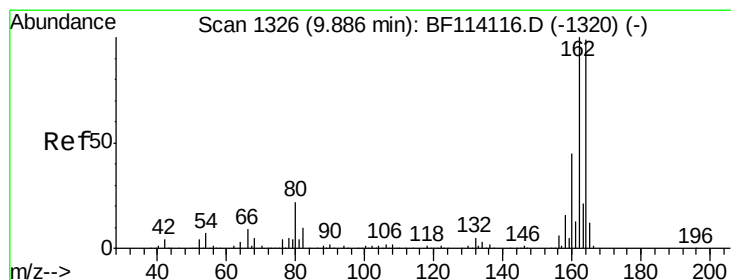
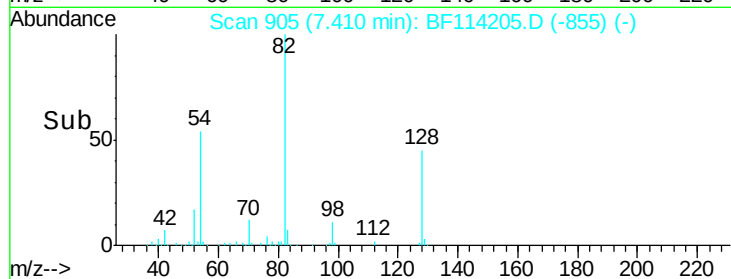
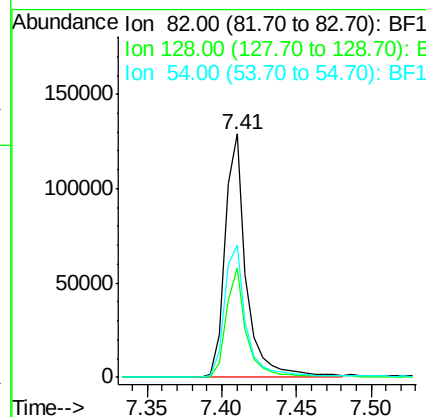
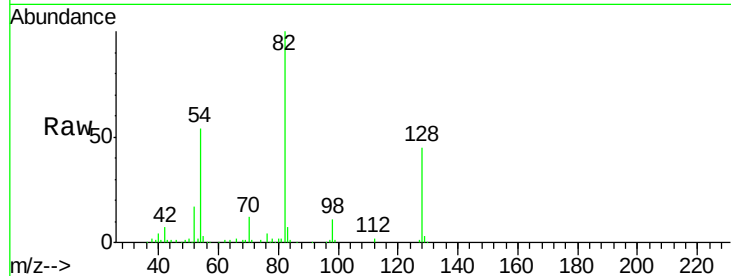
#23
Nitrobenzene-d5
Concen: 7.243 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.5	53.3
54	54.5	48.5	72.7

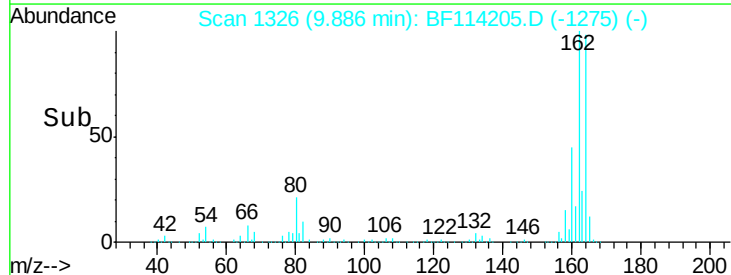
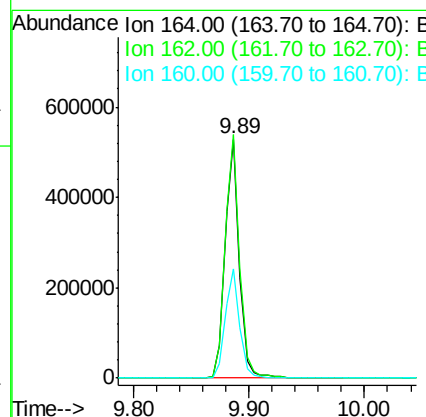
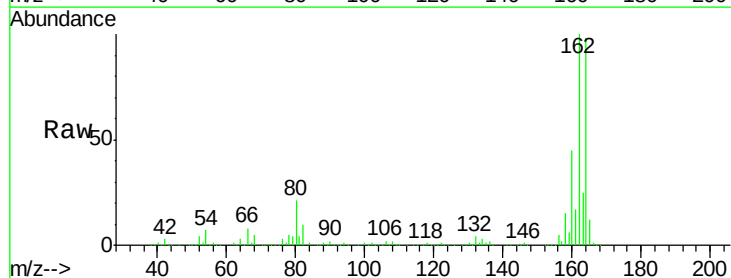
Manual Integrations
APPROVED

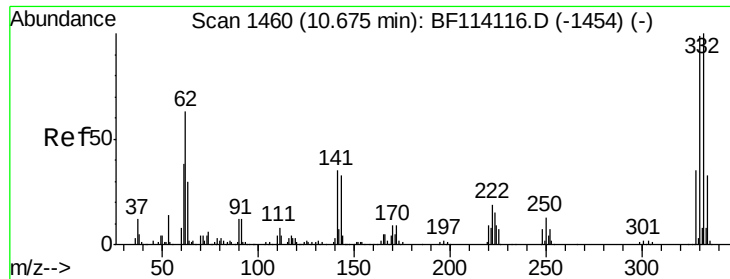
Sohil
5/13/2019 8:37:40 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	45.6	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 8.635 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

BNA_F

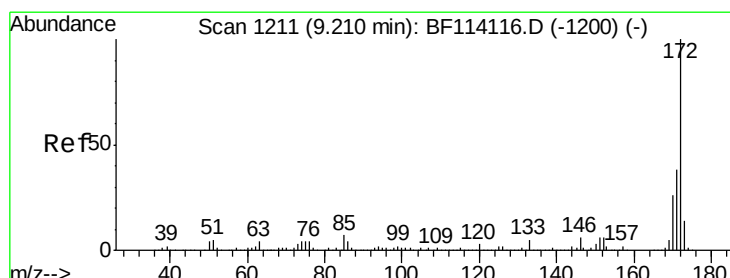
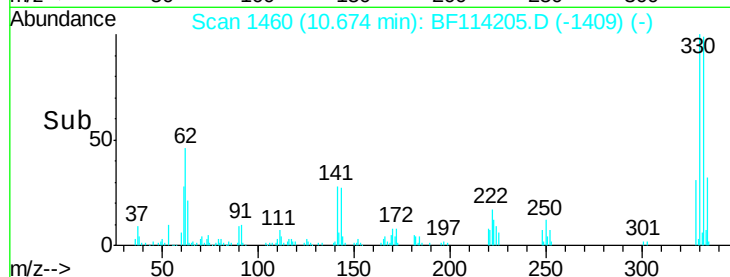
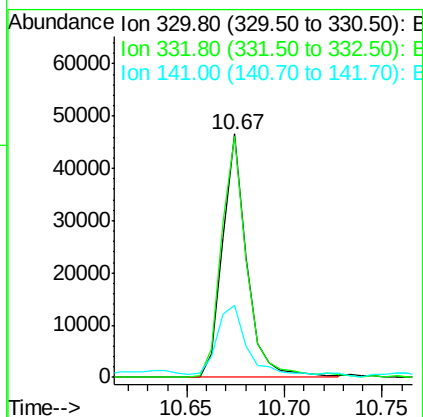
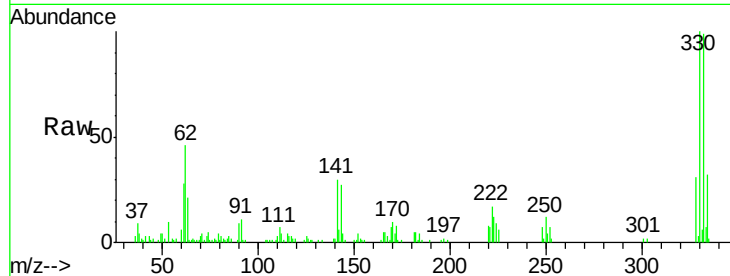
ClientSampleId :

P026-SS012-0002-01DL

Tot Ion:	330	Resp:	40411
Ion Ratio	Lower	Upper	
330	100		
332	104.0	81.4	122.2
141	36.8	26.6	40.0

Manual Integrations
APPROVED

Sohil
5/13/2019 8:37:40 PM



#45

2-Fluorobiphenyl

Concen: 6.674 ng

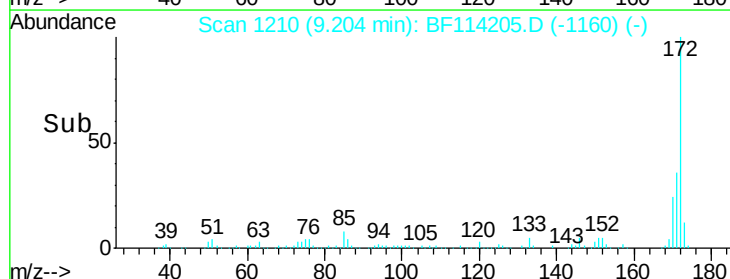
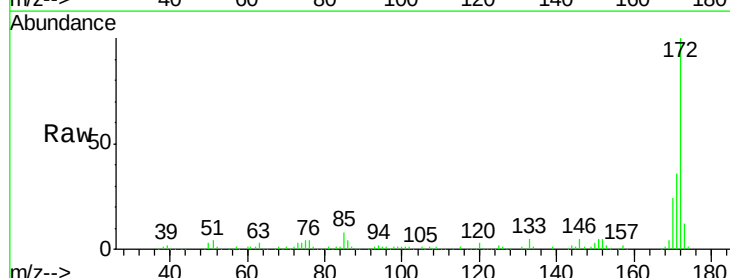
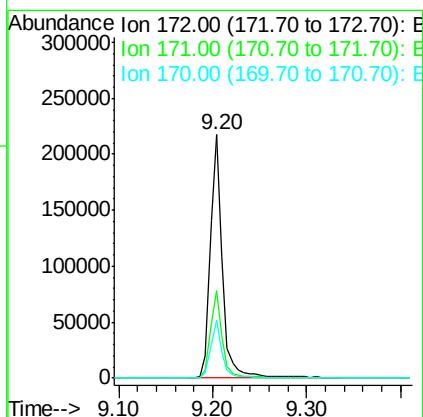
RT: 9.20 min Scan# 1210

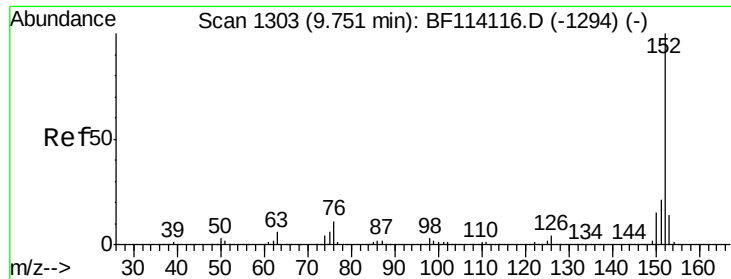
Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Tgt Ion:	172	Resp:	199736
Ion Ratio	Lower	Upper	
172	100		
171	36.0	30.7	46.1
170	24.0	20.5	30.7





#49

Acenaphthylene

Concen: 3.175 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

BNA_F

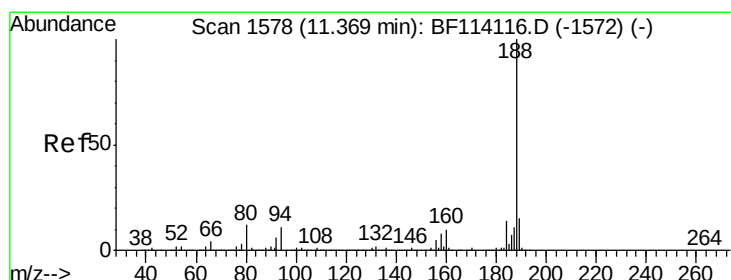
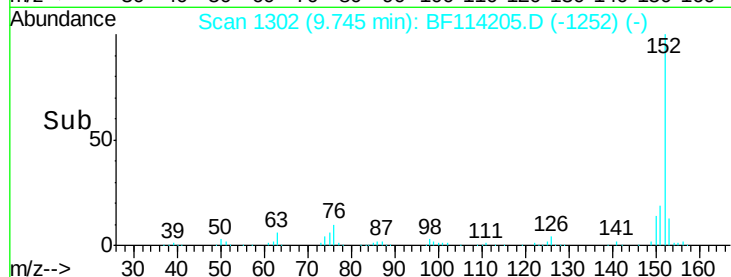
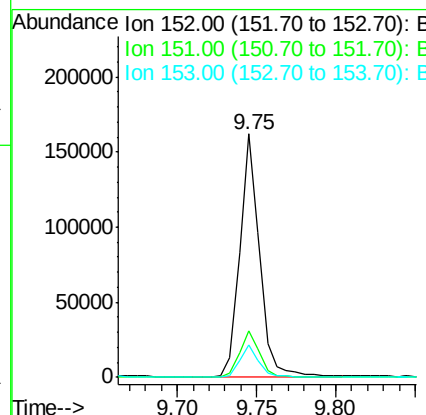
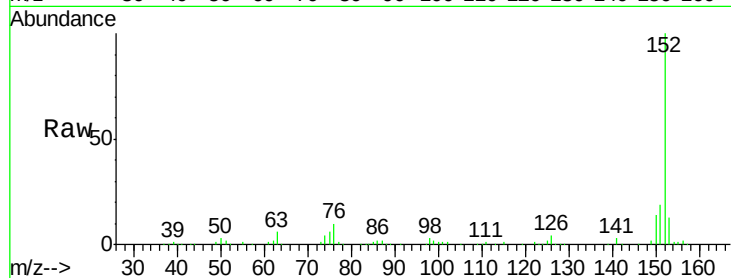
ClientSampleId :

P026-SS012-0002-01DL

Tot Ion:	152	Resp:	142114
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.8	25.2
153	13.2	11.4	17.2

Manual Integrations
APPROVED

Sohil
5/13/2019 8:37:40 PM



#64

Phenanthrene-d10

Concen: 20.000 ng

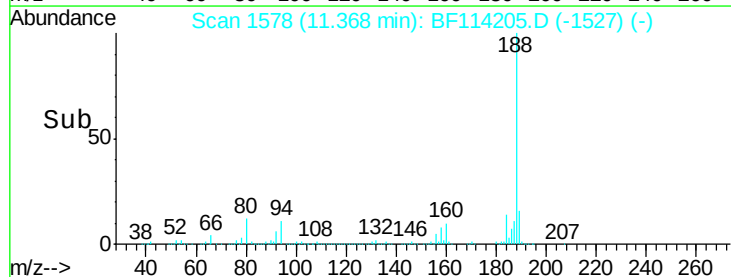
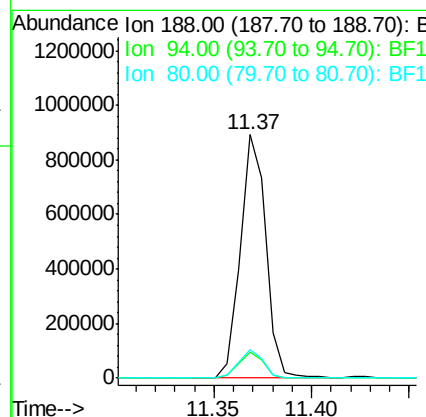
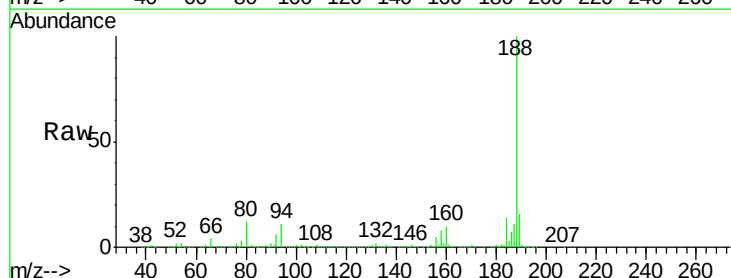
RT: 11.37 min Scan# 1578

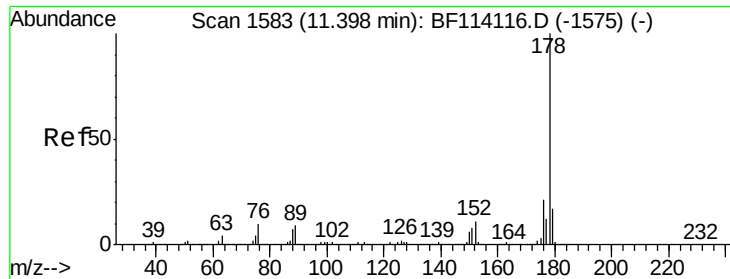
Delta R.T. -0.00 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Tgt Ion:	188	Resp:	806093
Ion Ratio	Lower	Upper	
188	100		
94	10.9	8.4	12.6
80	11.7	9.2	13.8





#71

Phenanthrene

Concen: 11.590 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

BNA_F

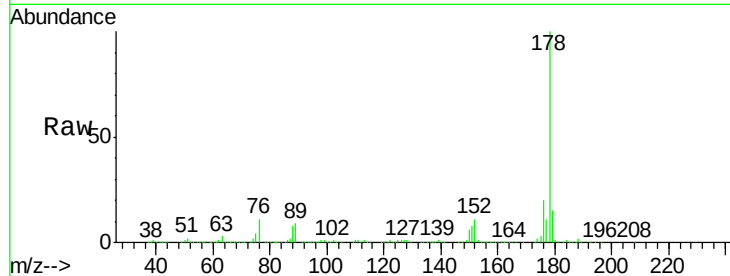
ClientSampleId :

P026-SS012-0002-01DL

Tot Ion:	178	Resp:	454535
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.4	24.6
179	15.4	13.2	19.8

Manual Integrations
APPROVED

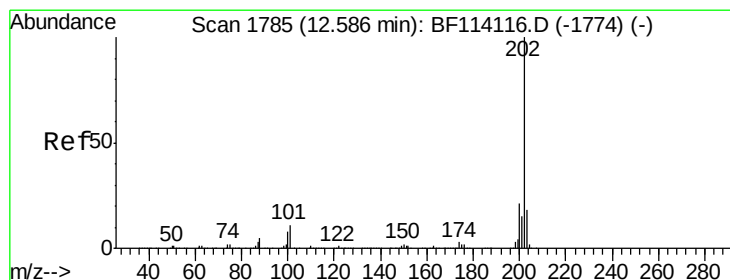
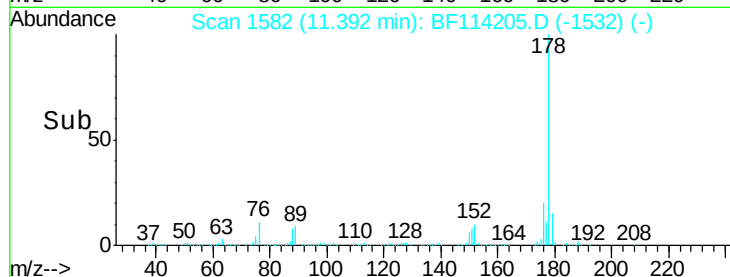
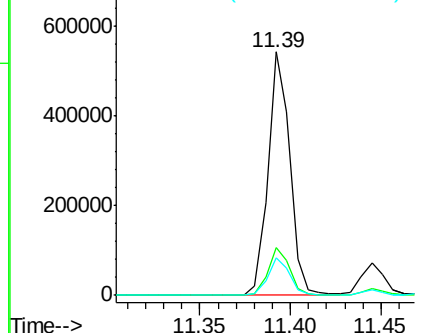
Sohil
5/13/2019 8:37:40 PM



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: 14.036 ng

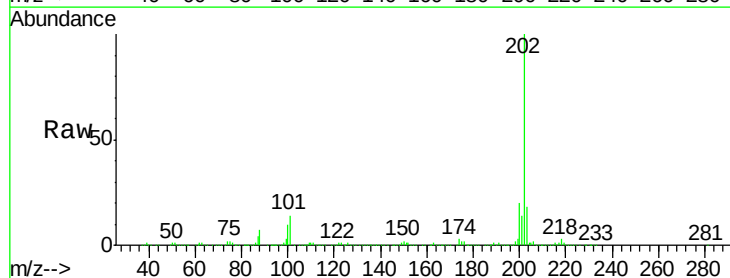
RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

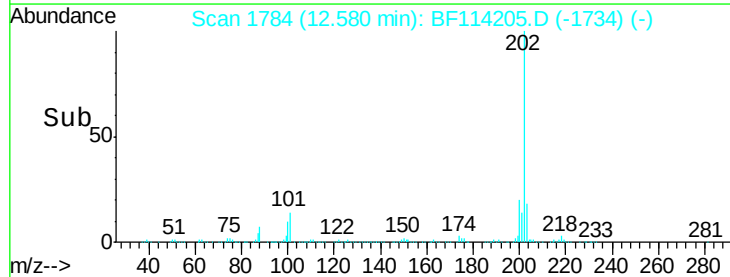
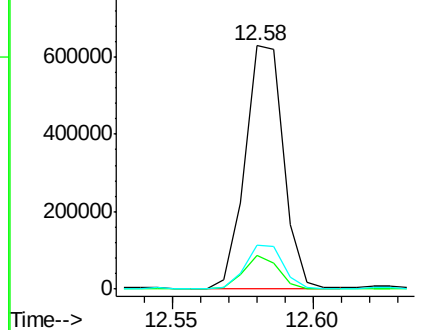
Tgt Ion:	202	Resp:	592751
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	31.0
203	18.2	0.0	38.4

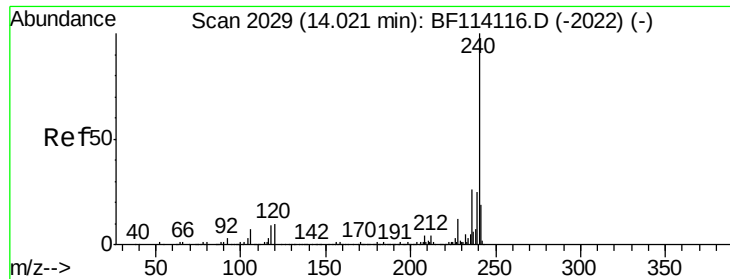


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

BNA_F

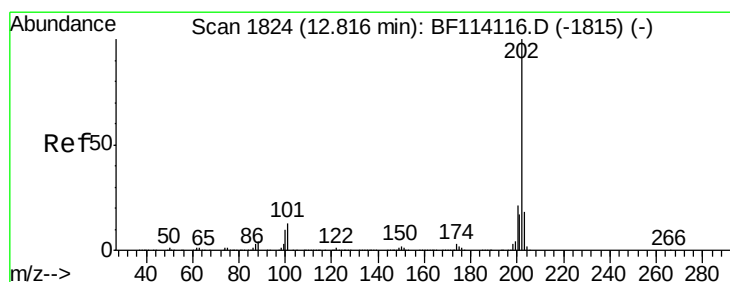
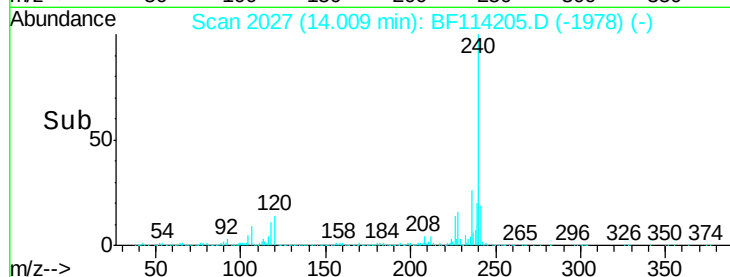
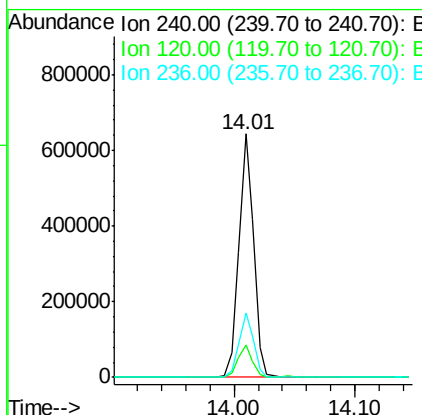
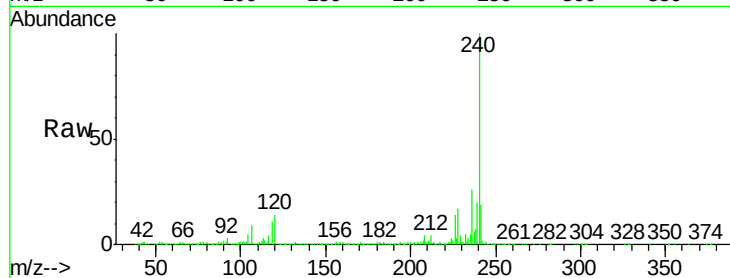
ClientSampleId :

P026-SS012-0002-01DL

Tot Ion:	240	Resp:	550748
Ion Ratio	Lower	Upper	
240	100		
120	13.6	8.3	12.5#
236	26.4	20.8	31.2

Manual Integrations
APPROVED

Sohil
5/13/2019 8:37:40 PM



#78

Pyrene

Concen: 24.984 ng

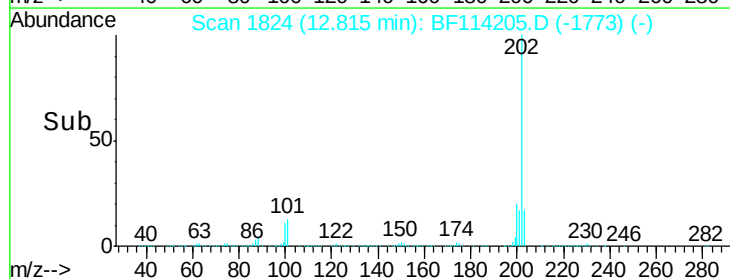
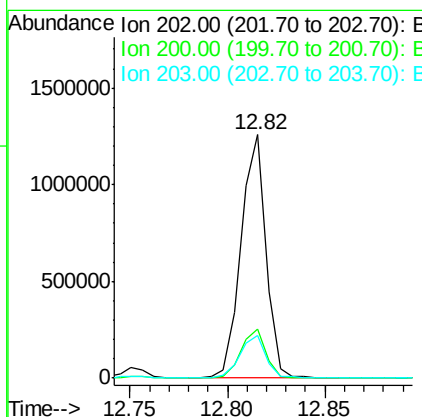
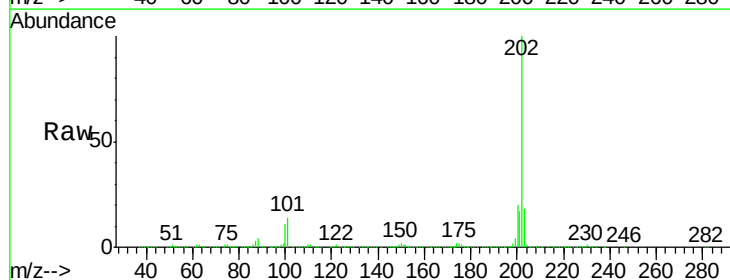
RT: 12.82 min Scan# 1824

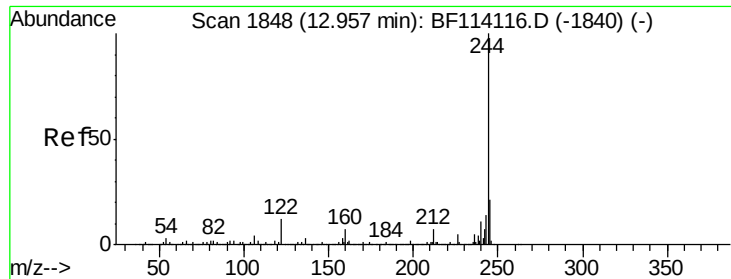
Delta R.T. -0.00 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Tgt Ion:	202	Resp:	1106922
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.9	25.3
203	17.5	14.5	21.7





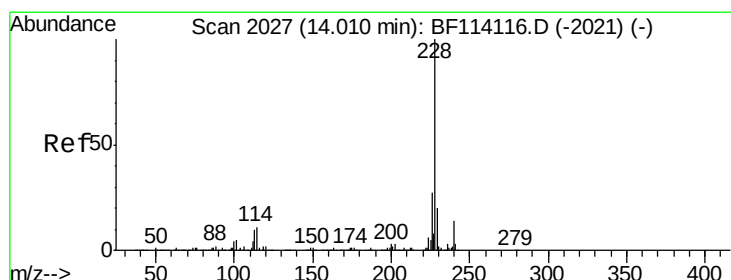
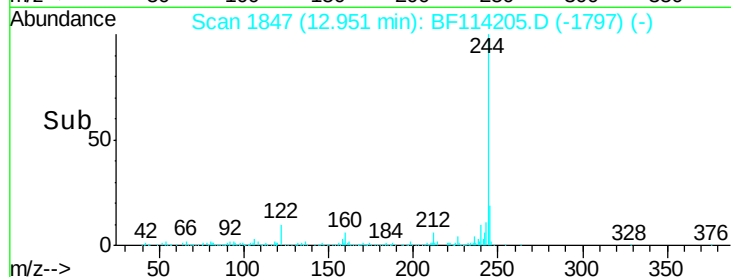
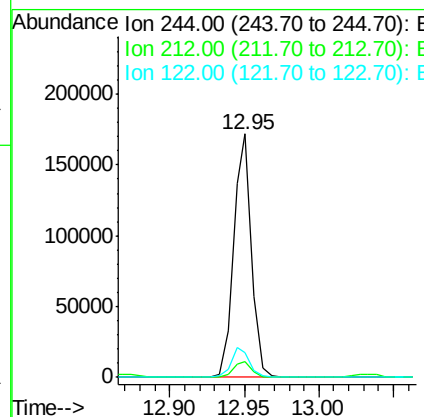
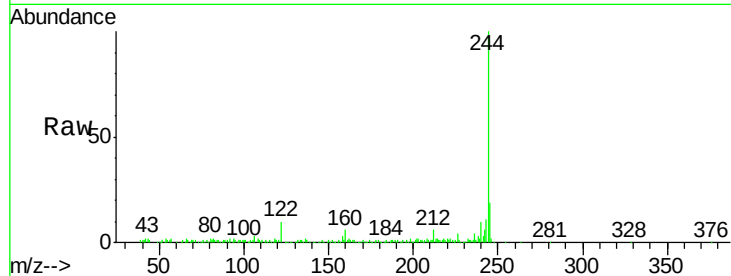
#79
 Terphenyl-d14
 Concen: 5.459 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114205.D
 Acq: 12 May 2019 20:50

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-01DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	10.2	9.4	14.2

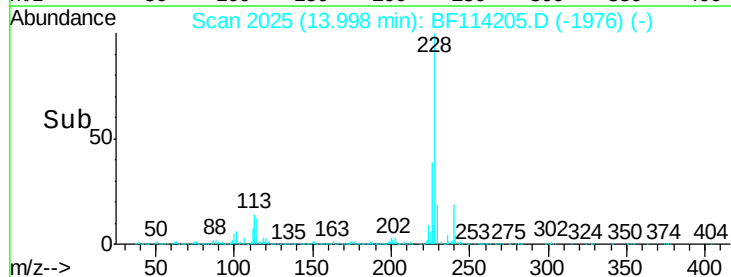
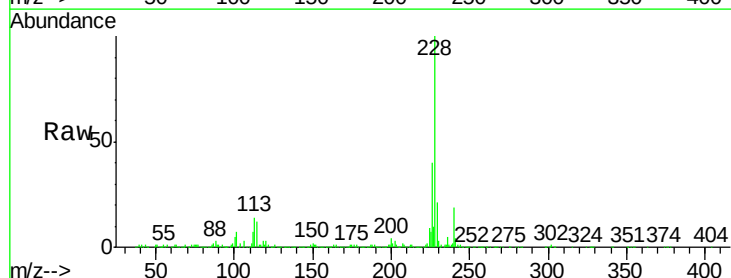
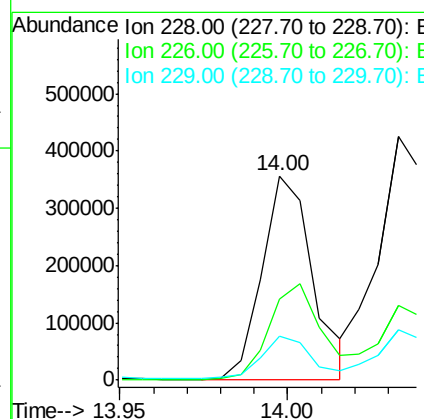
Manual Integrations
 APPROVED

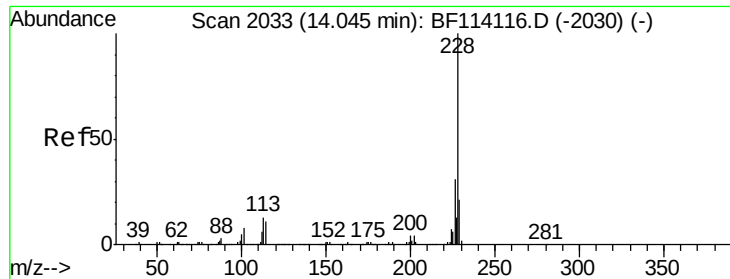
Sohil
 5/13/2019 8:37:40 PM



#81
 Benzo(a)anthracene
 Concen: 10.514 ng m
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF114205.D
 Acq: 12 May 2019 20:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.8	22.2	33.2#
229	21.2	16.4	24.6





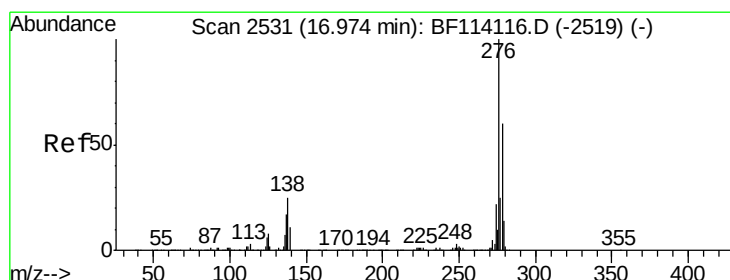
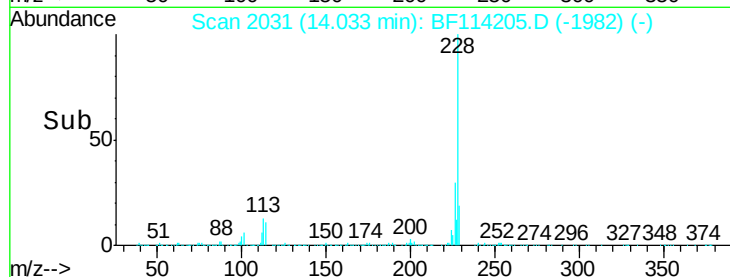
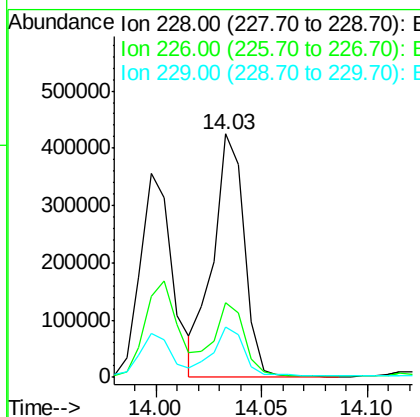
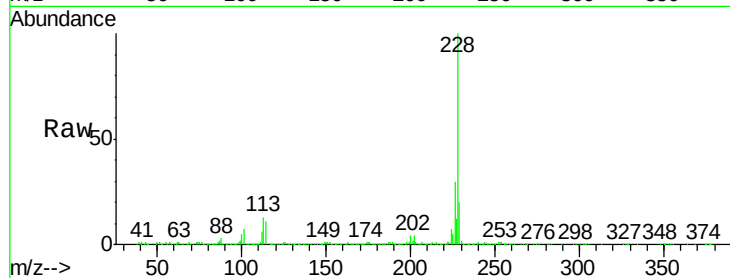
#83
Chrysene
Concen: 12.431 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	20.4	17.0	25.6

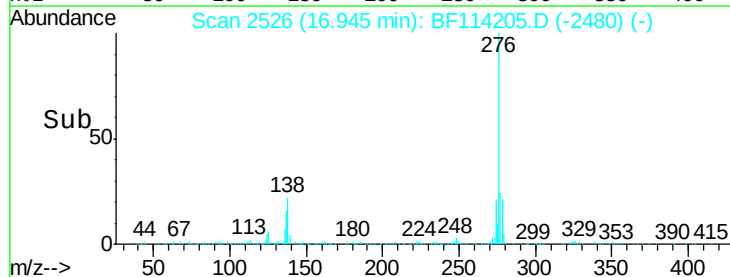
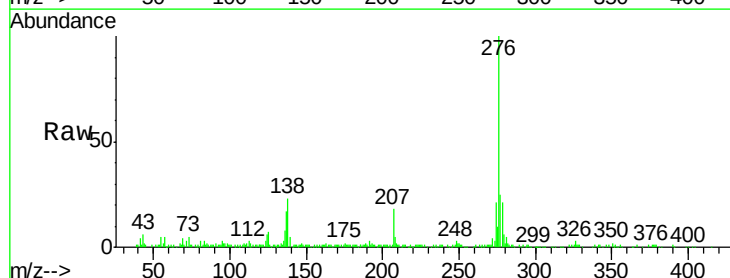
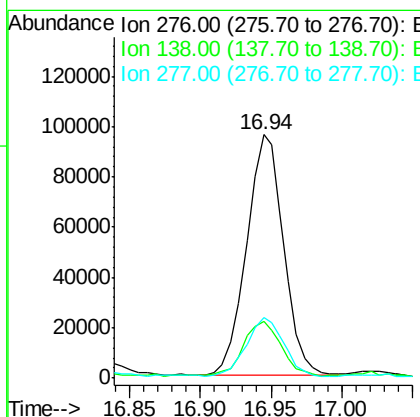
Manual Integrations
APPROVED

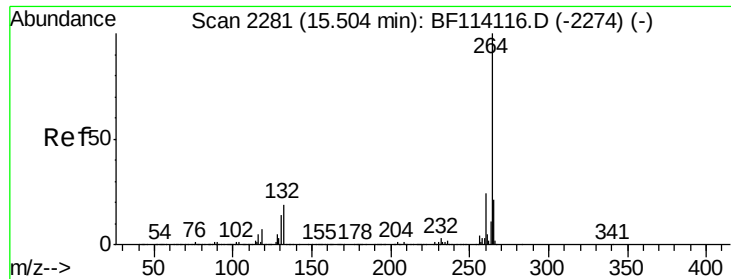
Sohil
5/13/2019 8:37:40 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.693 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.03 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.2	30.2
277	24.4	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Instrument :

BNA_F

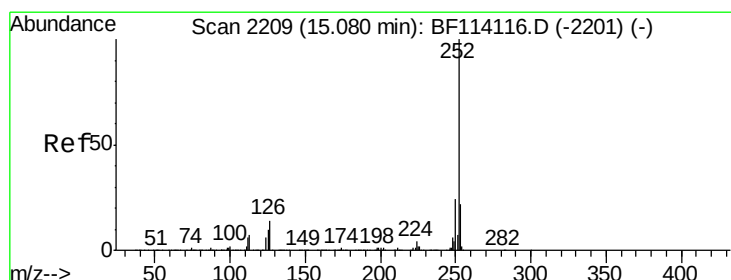
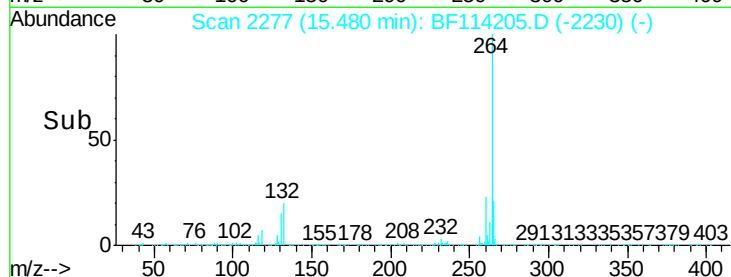
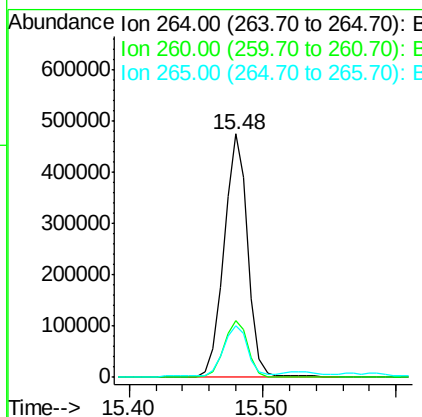
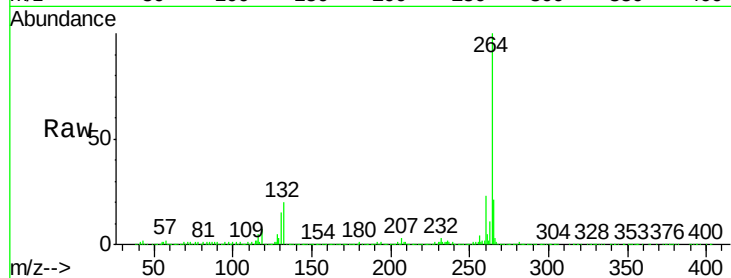
ClientSampleId :

P026-SS012-0002-01DL

Tot Ion:	264	Resp:	590411
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.4	29.0
265	21.4	16.9	25.3

Manual Integrations
APPROVED

Sohil
5/13/2019 8:37:40 PM



#88

Benzo(b)fluoranthene

Concen: 11.724 ng m

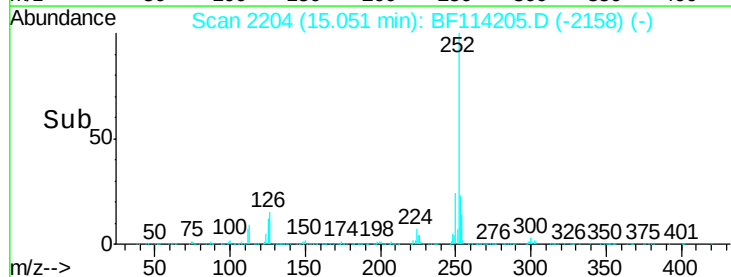
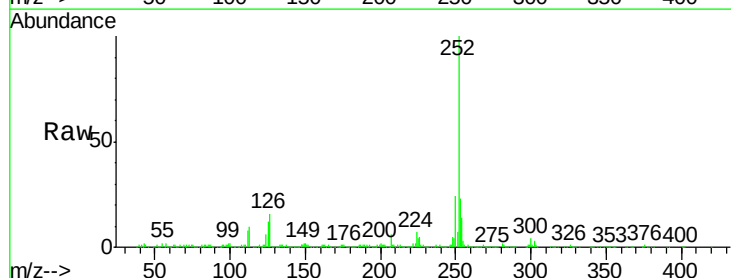
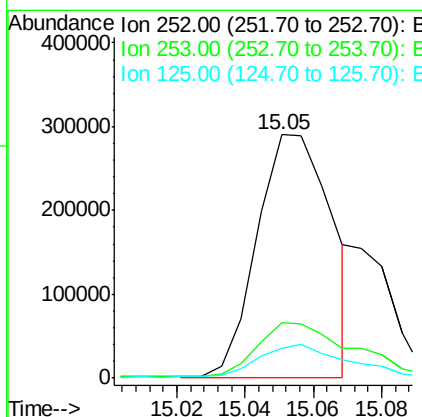
RT: 15.05 min Scan# 2204

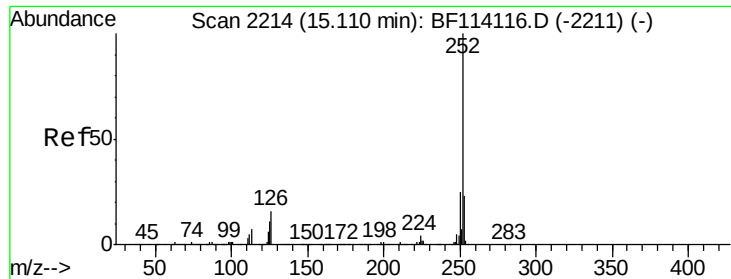
Delta R.T. -0.03 min

Lab File: BF114205.D

Acq: 12 May 2019 20:50

Tgt Ion:	252	Resp:	443450
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.2	8.3	12.5





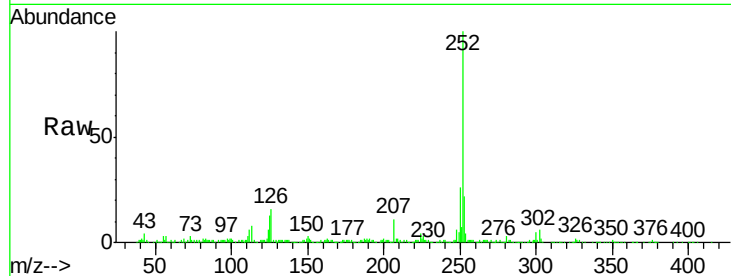
#89
Benzo(k)fluoranthene
Concen: 3.714 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	129061		
253	22.2	18.2	27.2	
125	13.4	8.6	13.0	

Manual Integrations
APPROVED

Sohil
5/13/2019 8:37:40 PM

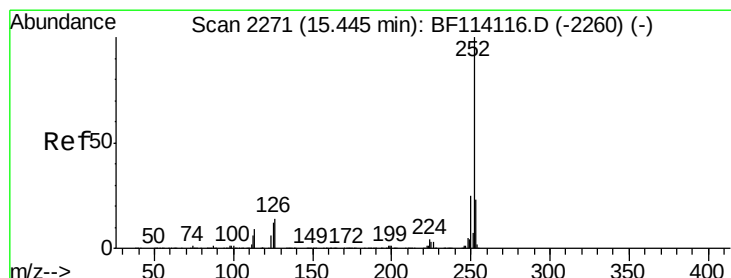
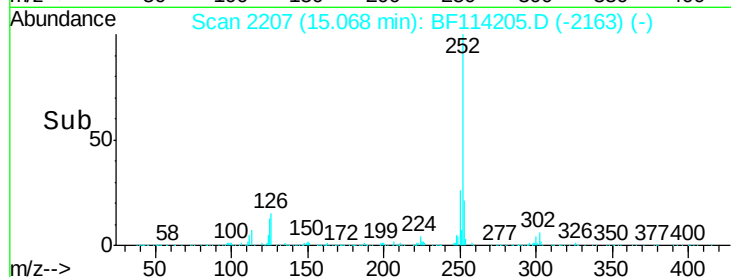
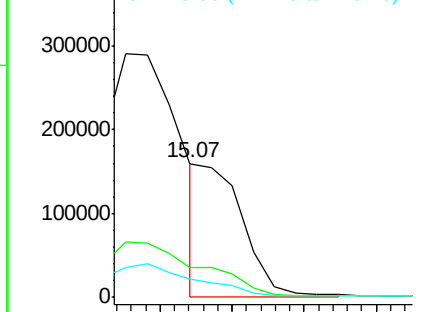


Abundance

Ion 252.00 (251.70 to 252.70): E

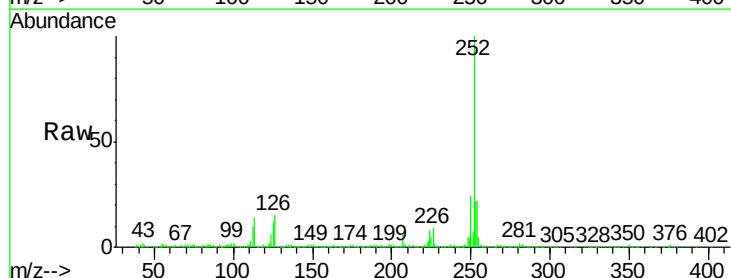
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 10.222 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BF114205.D
Acq: 12 May 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	340289		
253	21.6	18.1	27.1	
125	12.1	9.5	14.3	

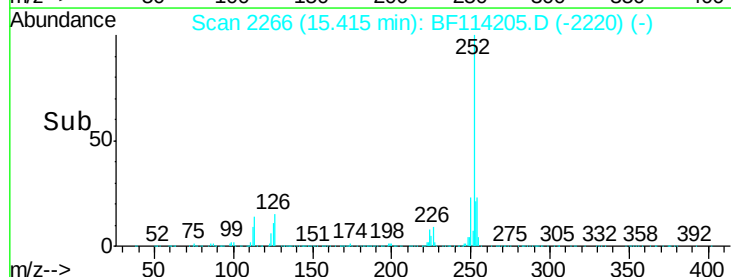
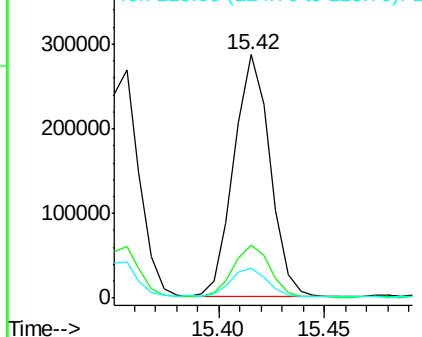


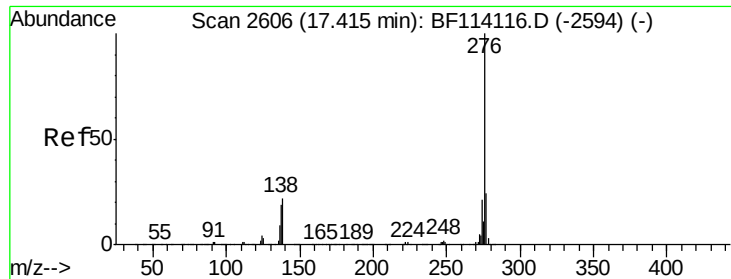
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 7.338 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF114205.D
 Acq: 12 May 2019 20:50

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0002-01DL

Tot Ion:	276	Resp:	203423
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.0	28.4
138	21.2	17.8	26.6

Manual Integrations
 APPROVED

Sohil
 5/13/2019 8:37:40 PM

