

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116634.D
 Acq On : 29 Aug 2019 00:07
 Operator : HP/JU
 Sample : K4574-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S701A-N-0.0-0.5-082719

Manual Integrations
 APPROVED

Jagrut
 8/29/2019 7:47:23 PM

Quant Time: Aug 29 04:13:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	86445	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	256354	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	168101	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	228241	20.00	ng	0.00
76) Chrysene-d12	14.01	240	100818	20.00	ng	0.00
87) Perylene-d12	15.47	264	115236	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	589517	117.79	ng	0.00
7) Phenol-d6	6.49	99	756160	111.44	ng	0.00
23) Nitrobenzene-d5	7.42	82	368376	82.22	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	166599	104.15	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	656079	64.95	ng	0.00
79) Terphenyl-d14	12.96	244	571913	92.26	ng	0.00
Target Compounds						
10) Phenol	6.50	94	46965	6.310	ng	93
50) Dimethylphthalate	9.60	163	61908	5.478	ng	98
71) Phenanthrene	11.40	178	66119	5.393	ng	98
74) Di-n-butylphthalate	11.94	149	130094	10.760	ng	99
75) Fluoranthene	12.59	202	204305	18.582	ng	99
78) Pyrene	12.81	202	169166	18.248	ng	97
81) Benzo(a)anthracene	14.00	228	55489	8.255	ng	98
83) Chrysene	14.03	228	61470	9.342	ng	98
86) Indeno(1,2,3-cd)pyrene	16.91	276	30906	9.472	ng	96
88) Benzo(b)fluoranthene	15.04	252	88577m	12.517	ng	
89) Benzo(k)fluoranthene	15.07	252	29423m	4.374	ng	
90) Benzo(a)pyrene	15.40	252	56879	9.006	ng	96
92) Benzo(a,h,i)perylene	17.35	276	27385	4.469	ng	97

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

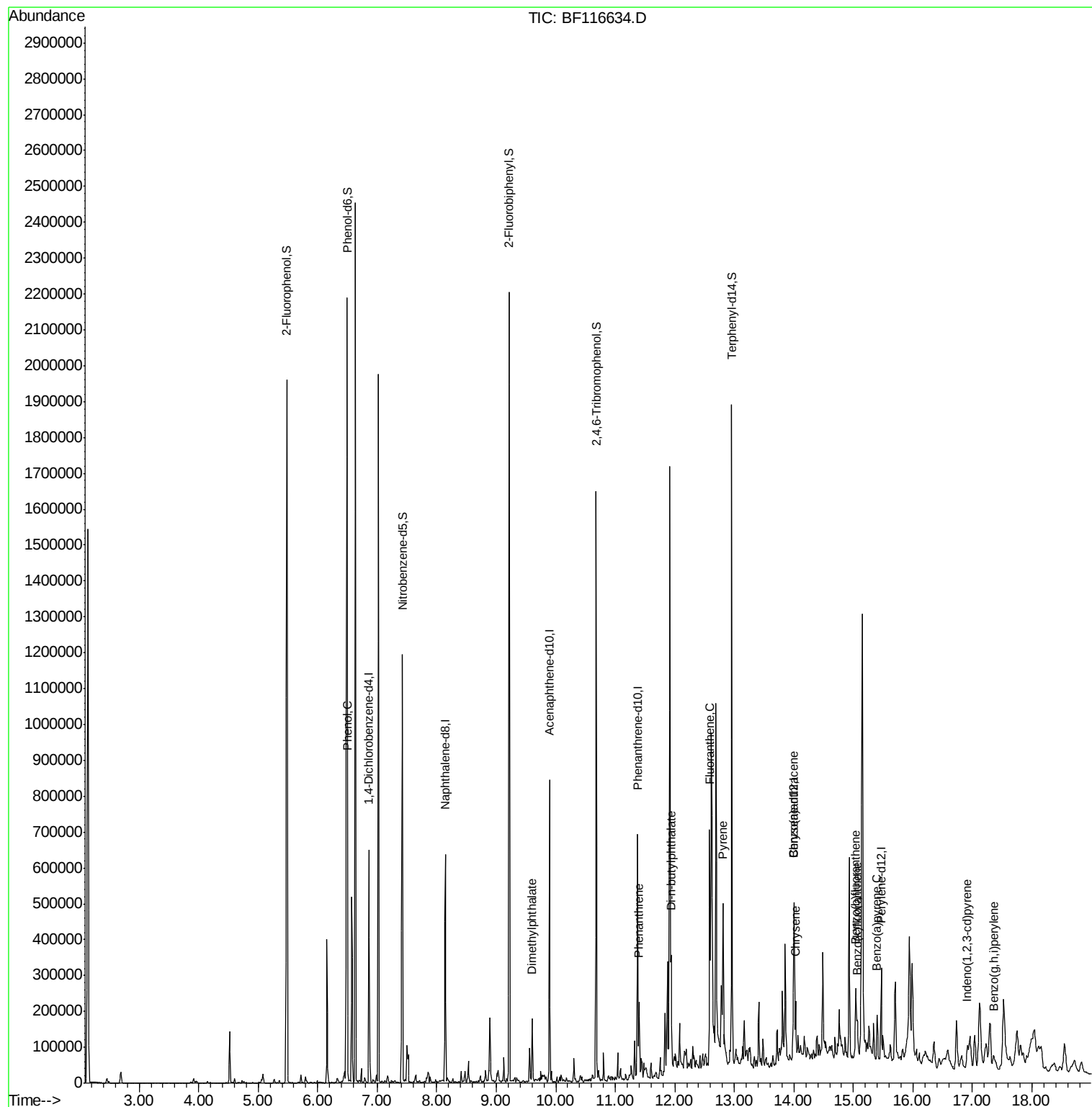
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116634.D
Acq On : 29 Aug 2019 00:07
Operator : HP/JU
Sample : K4574-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

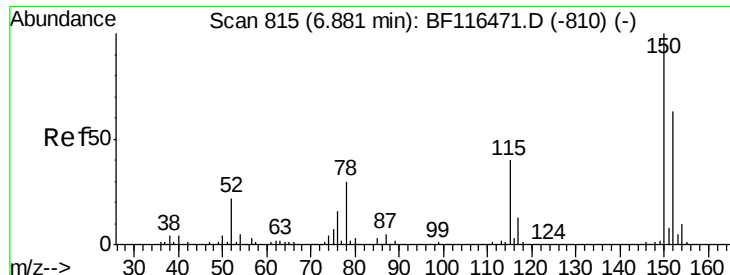
Instrument :
BNA_F
ClientSampleId :
S701A-N-0.0-0.5-082719

Manual Integrations
APPROVED

Jagrut
8/29/2019 7:47:23 PM

Quant Time: Aug 29 04:13:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 13:34:15 2019
Response via : Initial Calibration





#1

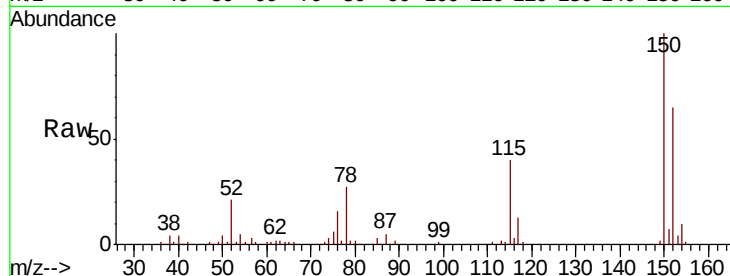
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Instrument :
BNA_F
ClientSampleId :
S701A-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.4	185.2
115	62.3	48.2	72.2

Manual Integrations
APPROVED

Jagrut
8/29/2019 7:47:23 PM

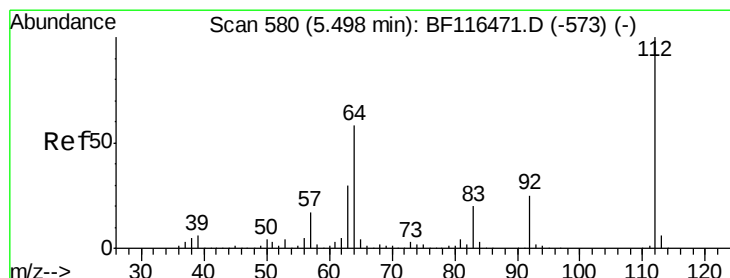
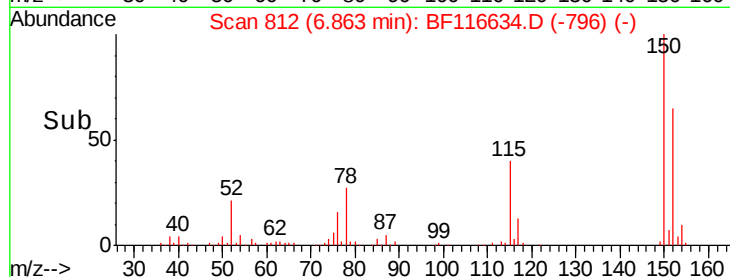
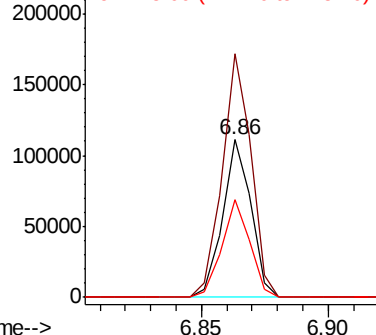


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

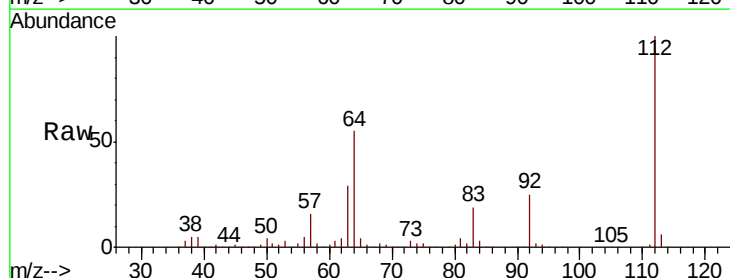
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.789 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	48.0	72.0
63	29.0	24.6	36.8

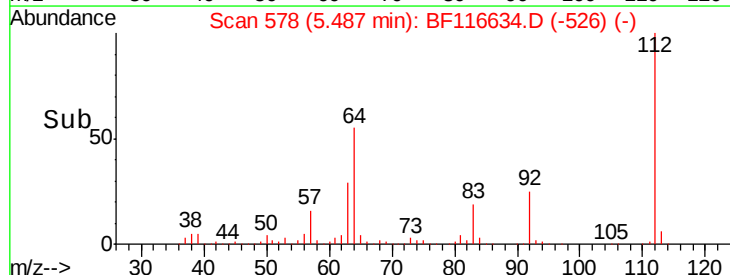
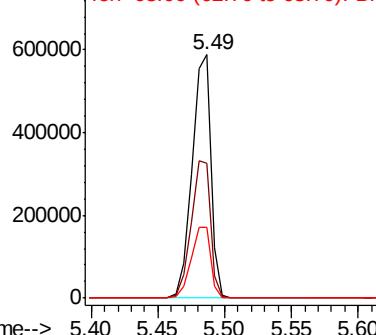


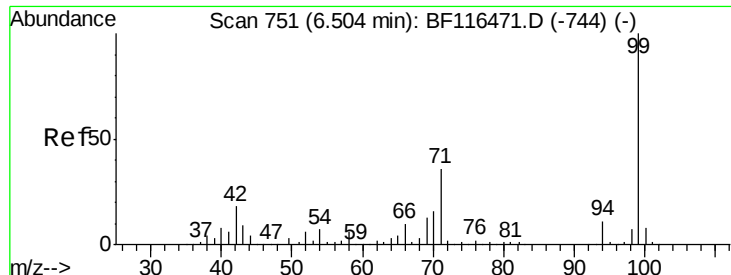
Abundance

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: 111.441 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Instrument :

BNA_F

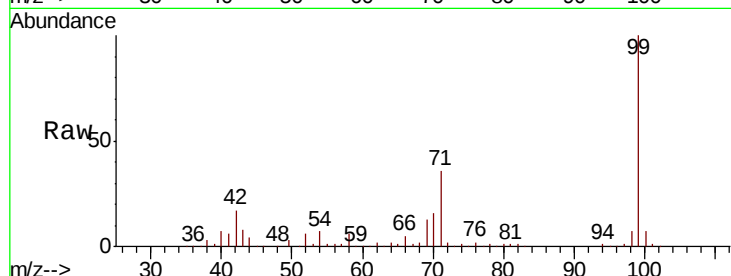
ClientSampleID :

S701A-N-0.0-0.5-082719

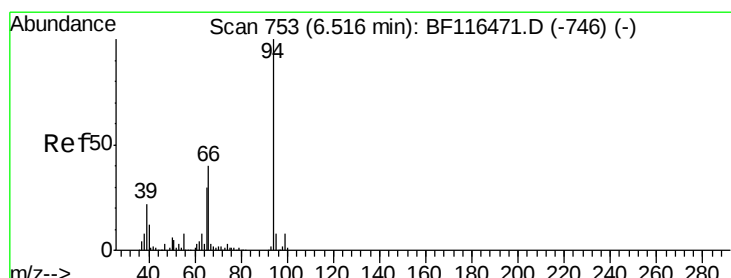
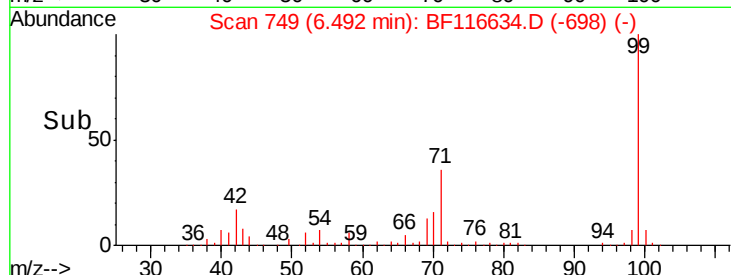
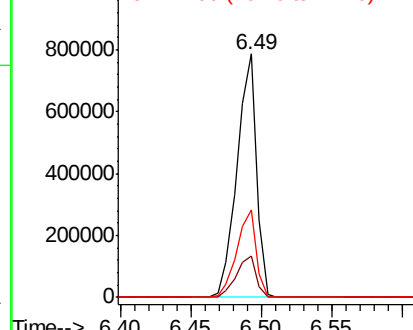
Tot Ion:	99	Resp:	756160
Ion Ratio	Lower	Upper	
99	100		
42	17.2	13.2	19.8
71	36.0	27.4	41.2

Manual Integrations
APPROVED

Jagrut
8/29/2019 7:47:23 PM



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



#10

Phenol

Concen: 6.310 ng

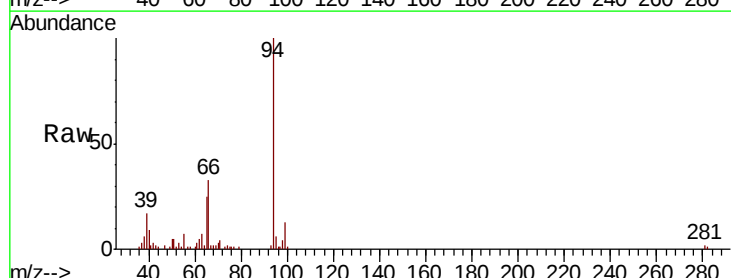
RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

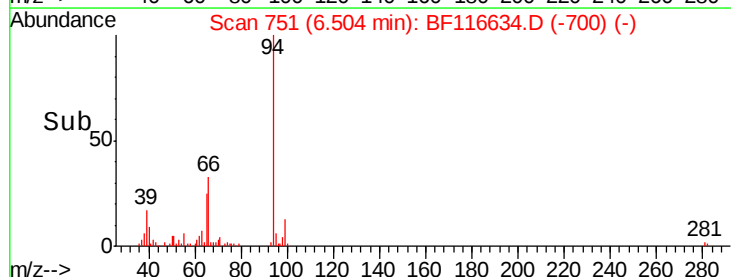
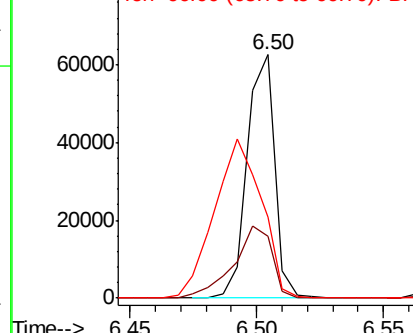
Lab File: BF116634.D

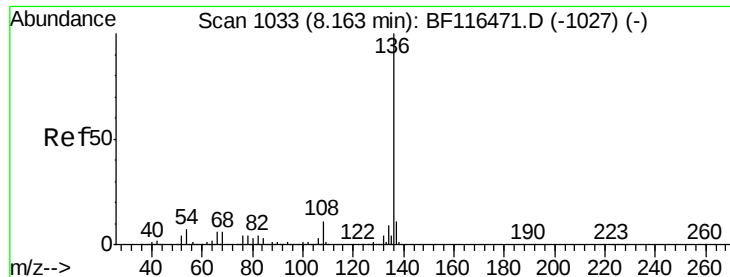
Acq: 29 Aug 2019 00:07

Tgt Ion:	94	Resp:	46965
Ion Ratio	Lower	Upper	
94	100		
65	25.3	8.6	48.6
66	33.0	18.0	58.0



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Instrument :

BNA_F

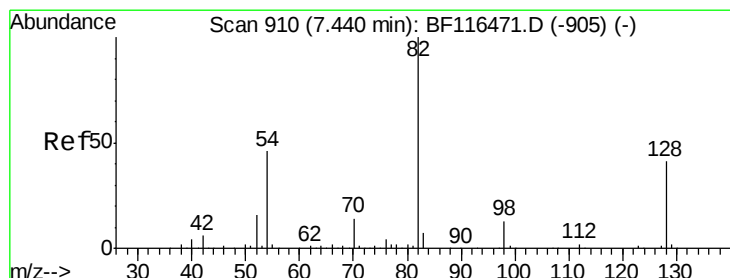
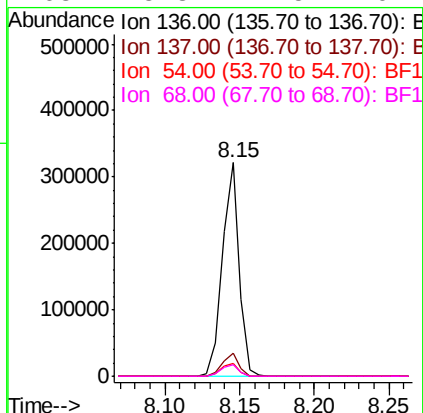
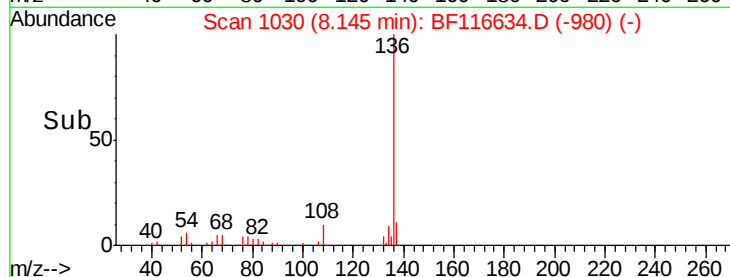
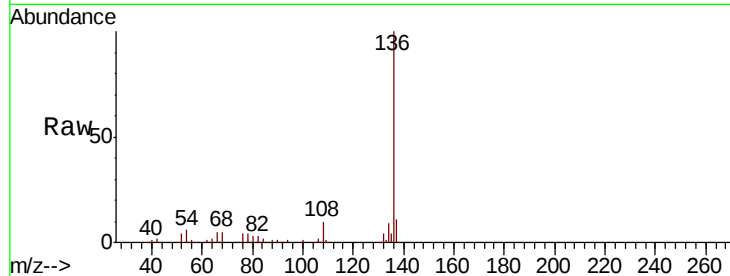
ClientSampleId :

S701A-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
136	100	256354		
137	10.7	8.7	13.1	
54	6.1	5.0	7.4	
68	5.3	4.5	6.7	

Manual Integrations
APPROVED

Jagrut
8/29/2019 7:47:23 PM



#23

Nitrobenzene-d5

Concen: 82.224 ng

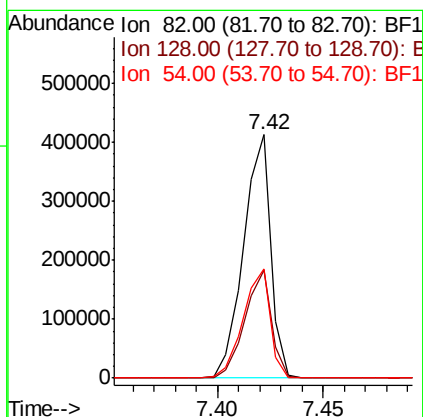
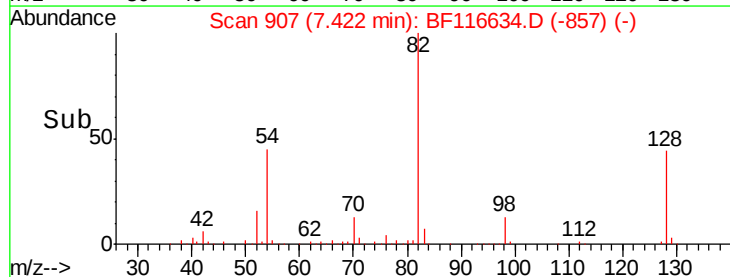
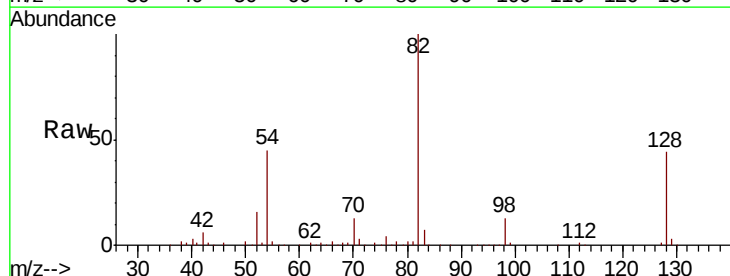
RT: 7.42 min Scan# 907

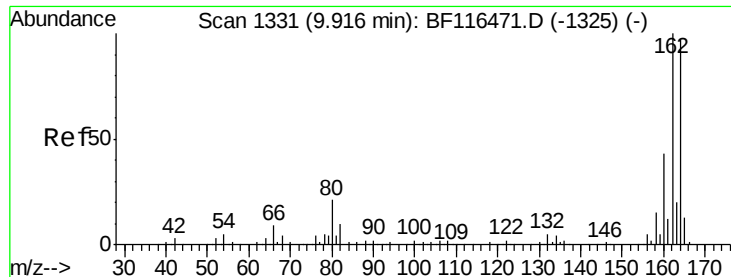
Delta R.T. -0.01 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	368376		
128	44.3	35.0	52.6	
54	44.8	34.4	51.6	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Instrument :

BNA_F

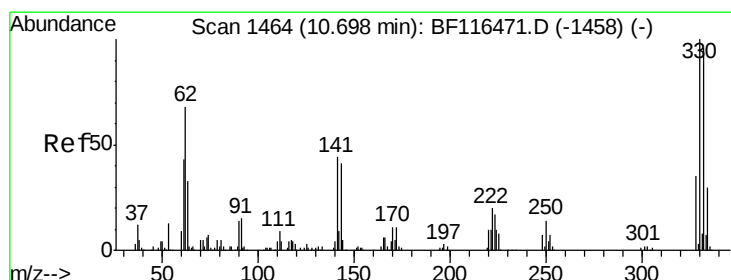
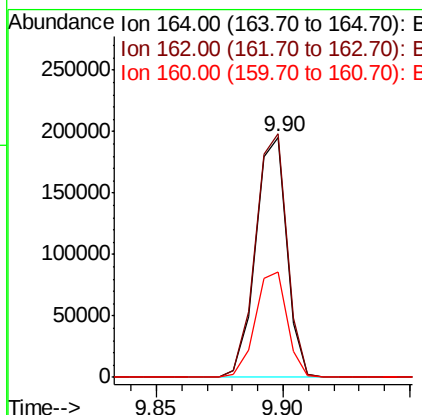
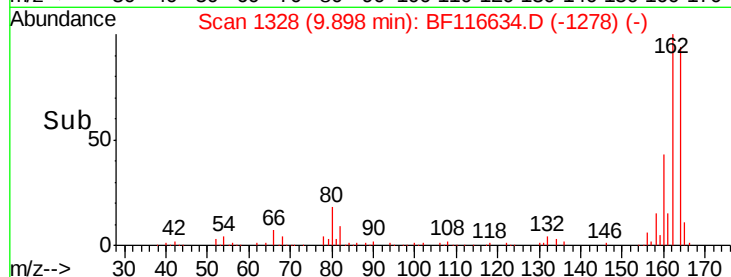
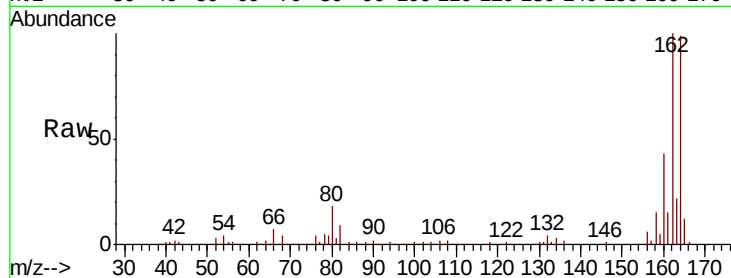
ClientSampleId :

S701A-N-0.0-0.5-082719

Tot Ion:	164	Resp:	168101
Ion Ratio	Lower	Upper	
164	100		
162	101.5	83.4	125.0
160	43.9	37.0	55.4

Manual Integrations
APPROVED

Jagrut
8/29/2019 7:47:23 PM



#42

2,4,6-Tribromophenol

Concen: 104.146 ng

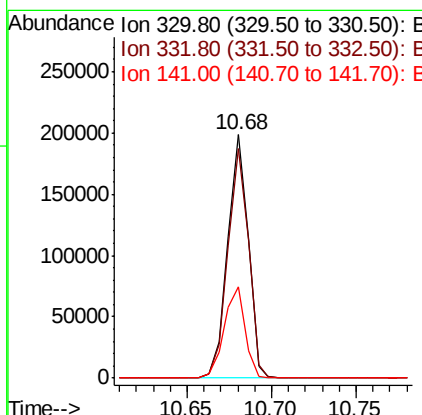
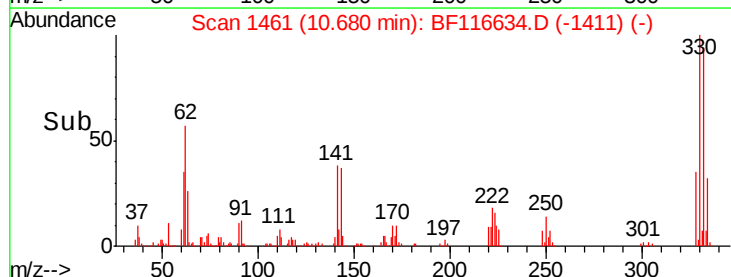
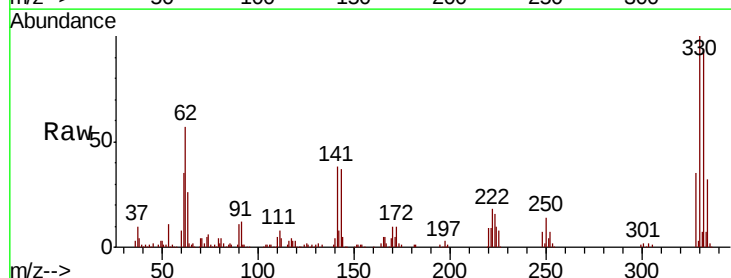
RT: 10.68 min Scan# 1461

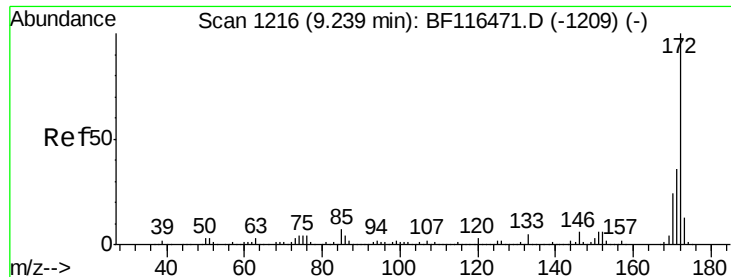
Delta R.T. -0.01 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Tgt Ion:	330	Resp:	166599
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.5	116.3
141	38.5	28.2	42.2





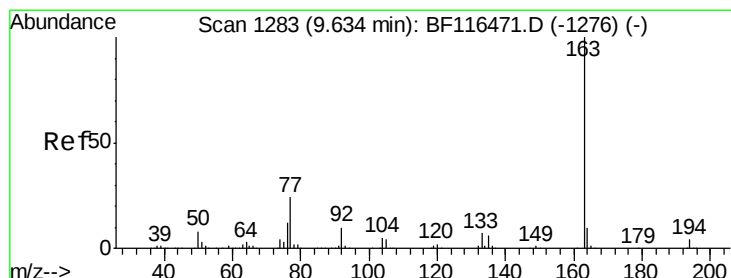
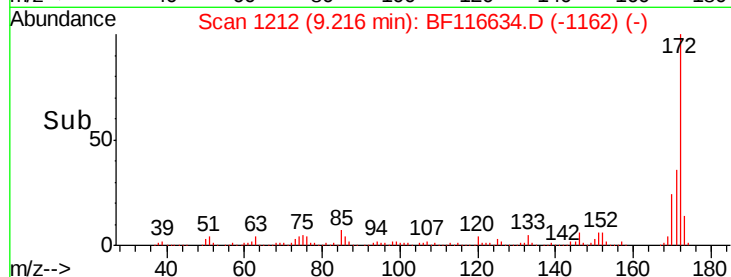
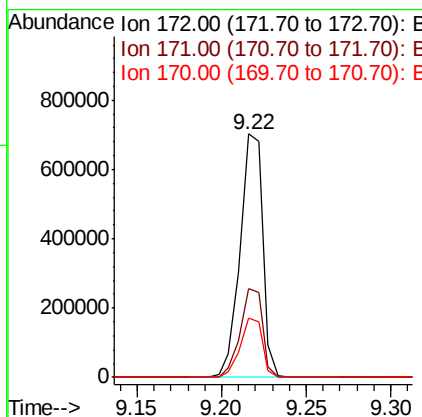
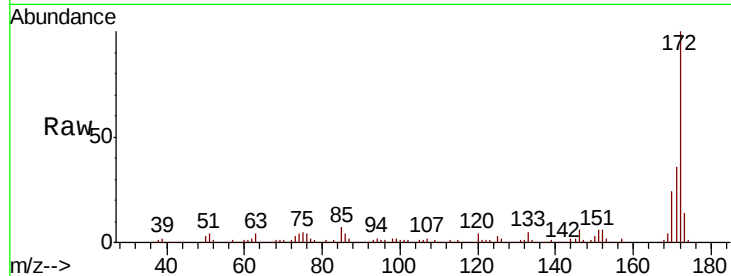
#45
2-Fluorobiphenyl
Concen: 64.952 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Instrument :
BNA_F
ClientSampleId :
S701A-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.4	19.3	28.9

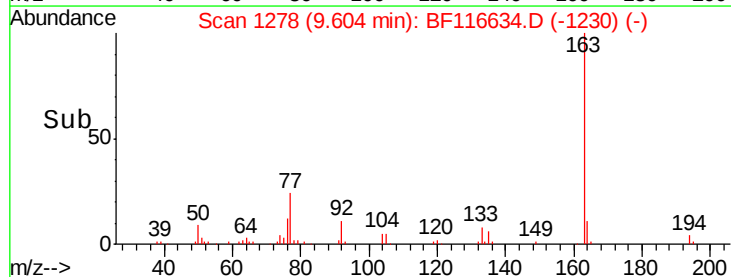
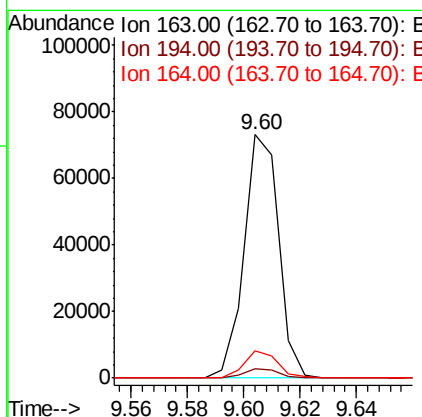
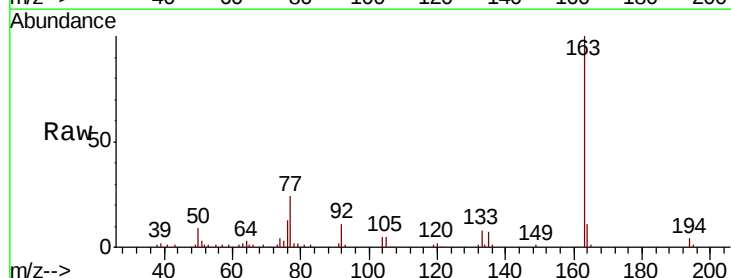
Manual Integrations
APPROVED

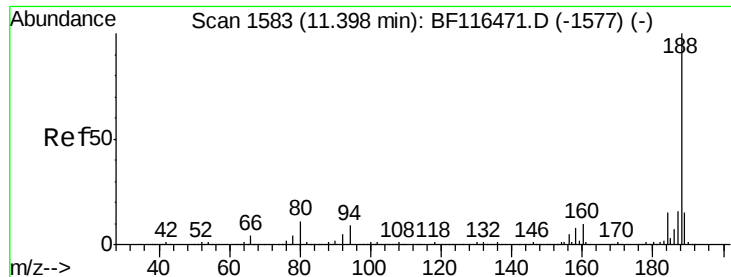
Jagrut
8/29/2019 7:47:23 PM



#50
Dimethylphthalate
Concen: 5.478 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	11.1	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Instrument :

BNA_F

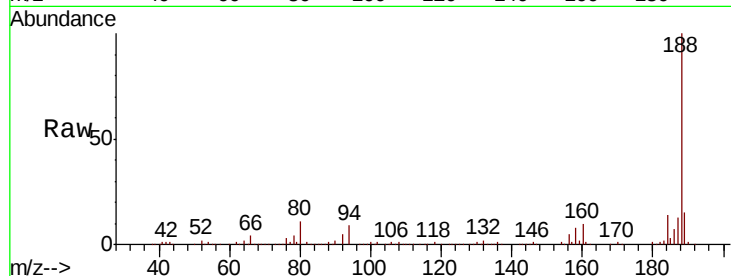
ClientSampleId :

S701A-N-0.0-0.5-082719

Tot Ion:	188	Resp:	228241
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.2	12.4
80	11.3	8.9	13.3

Manual Integrations
APPROVED

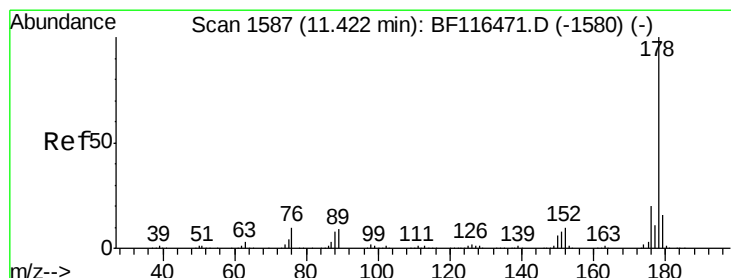
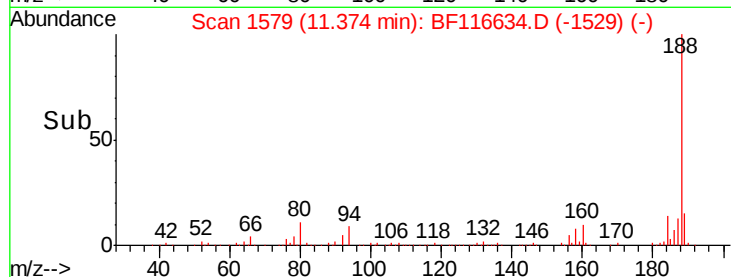
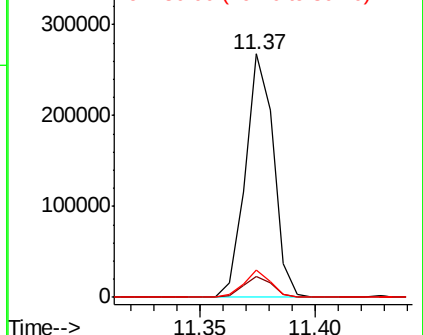
Jagrut
8/29/2019 7:47:23 PM



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: 5.393 ng

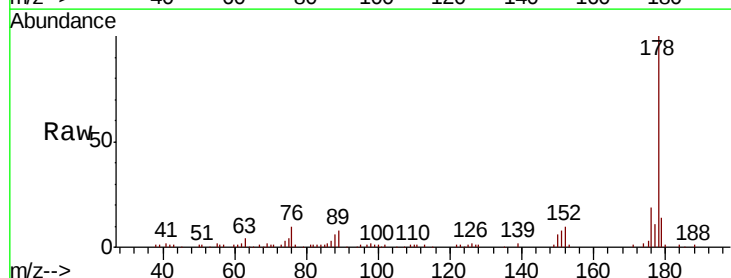
RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

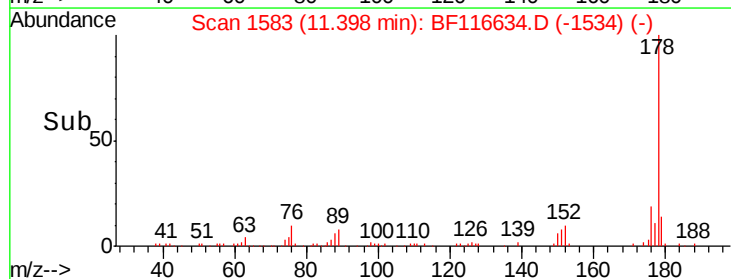
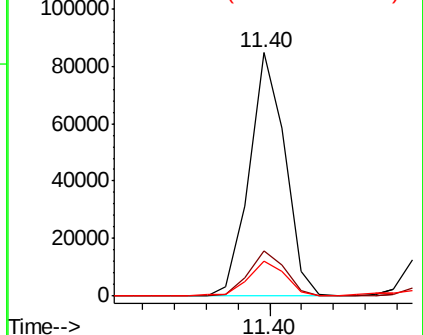
Tgt Ion:	178	Resp:	66119
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.5	23.3
179	14.2	12.4	18.6

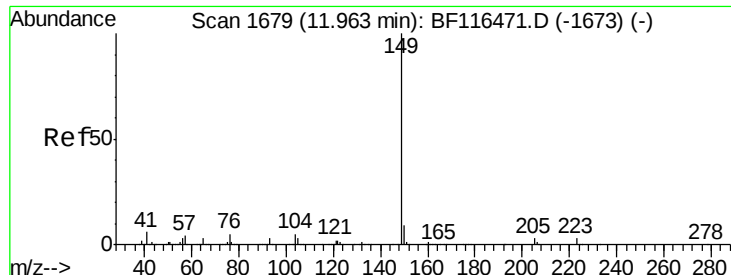


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 10.760 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Instrument :

BNA_F

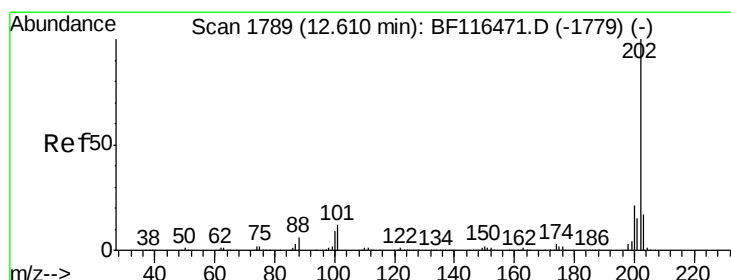
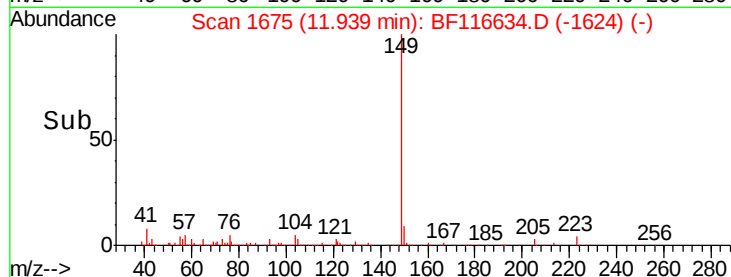
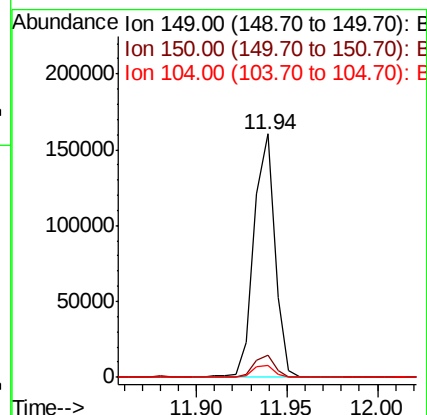
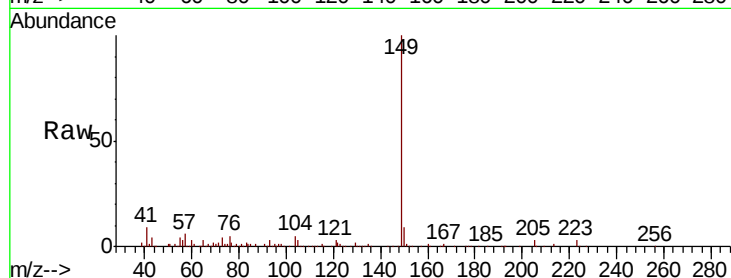
ClientSampleId :

S701A-N-0.0-0.5-082719

Tot Ion:	149	Resp:	130094
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.7	11.5
104	5.1	4.2	6.4

Manual Integrations
APPROVED

Jagrut
8/29/2019 7:47:23 PM



#75

Fluoranthene

Concen: 18.582 ng

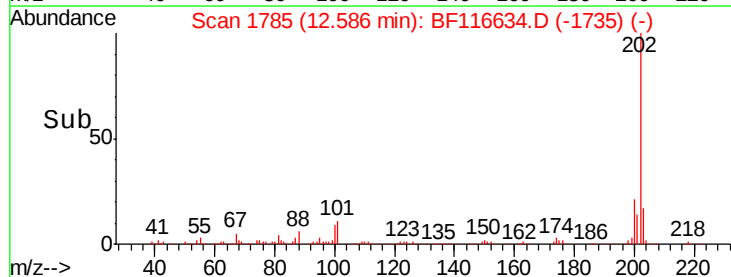
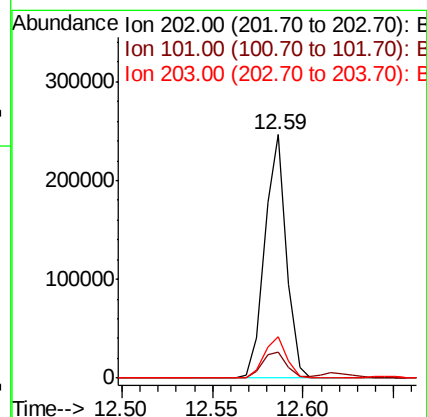
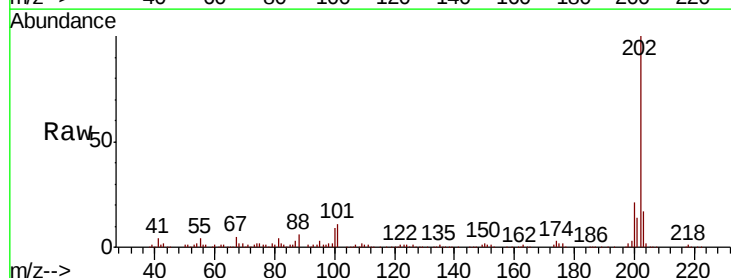
RT: 12.59 min Scan# 1785

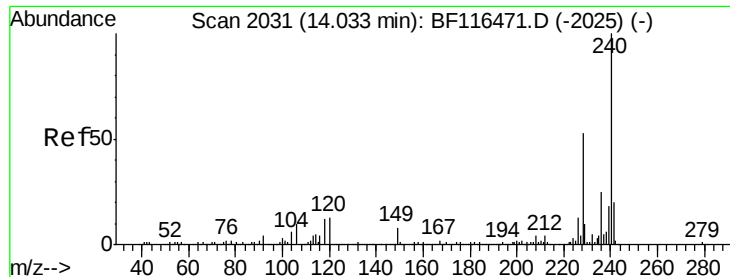
Delta R.T. -0.01 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Tgt Ion:	202	Resp:	204305
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	31.8
203	16.9	0.0	37.1





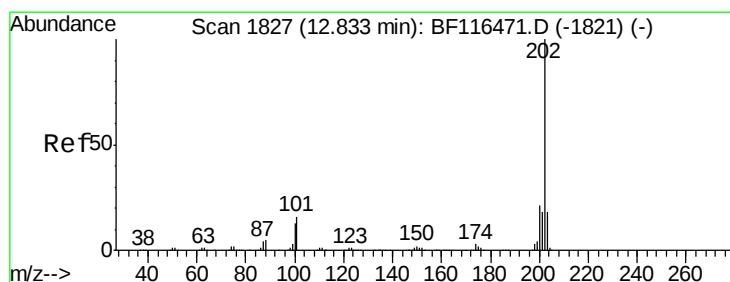
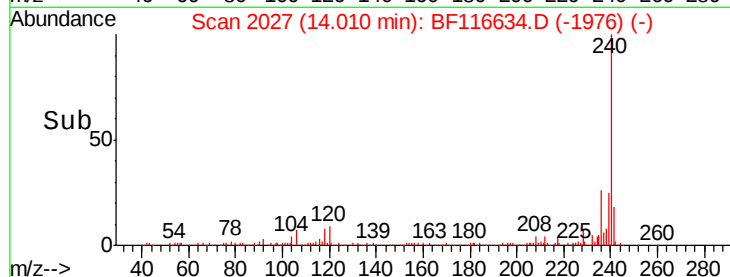
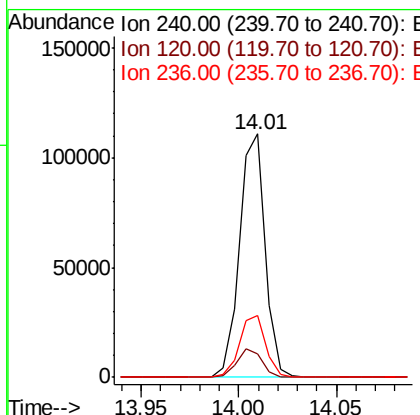
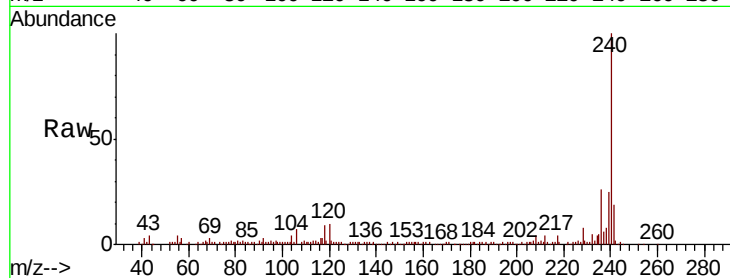
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Instrument :
BNA_F
ClientSampleId :
S701A-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
240	100	100818		
120	9.8	11.3	16.9	
236	25.6	21.4	32.2	

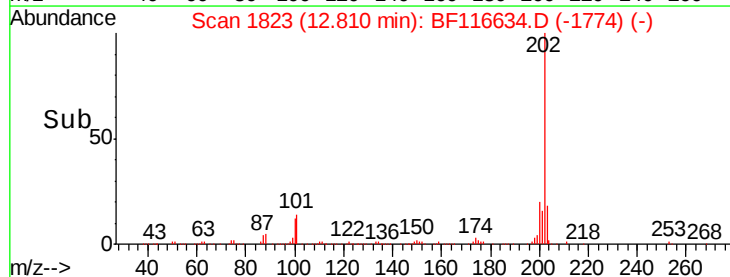
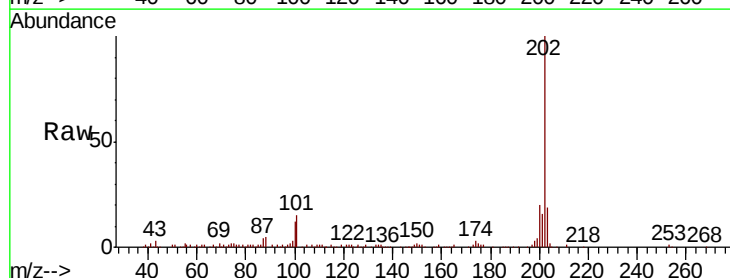
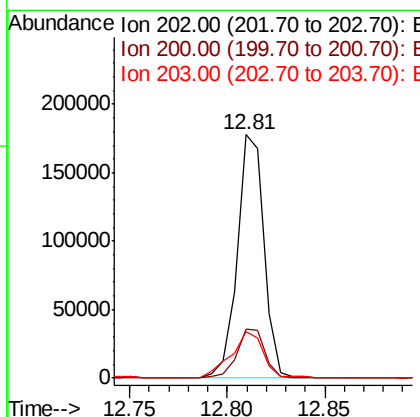
Manual Integrations
APPROVED

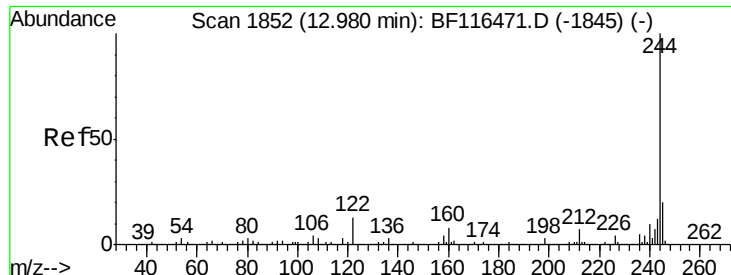
Jagrut
8/29/2019 7:47:23 PM



#78
Pyrene
Concen: 18.248 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	169166		
200	20.2	17.4	26.0	
203	18.9	14.2	21.4	





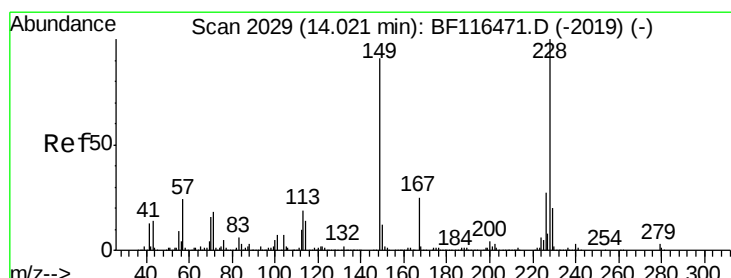
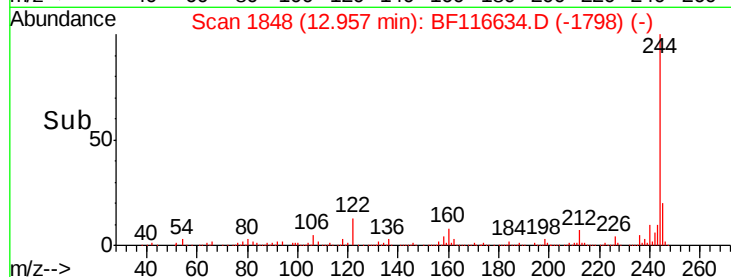
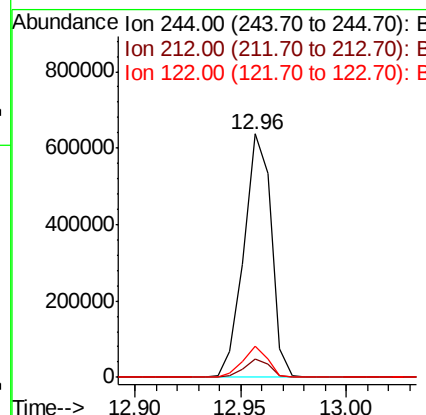
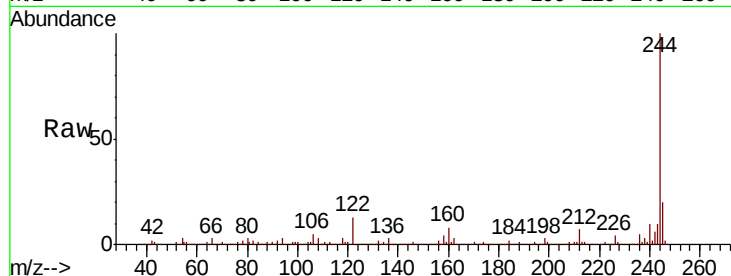
#79
 Terphenyl-d14
 Concen: 92.258 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF116634.D
 Acq: 29 Aug 2019 00:07

Instrument :
 BNA_F
 ClientSampleId :
 S701A-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	12.7	10.0	15.0

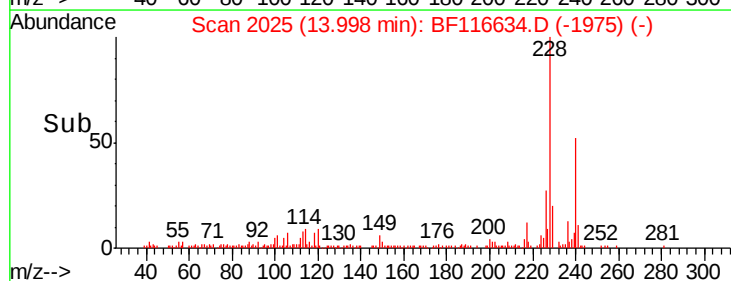
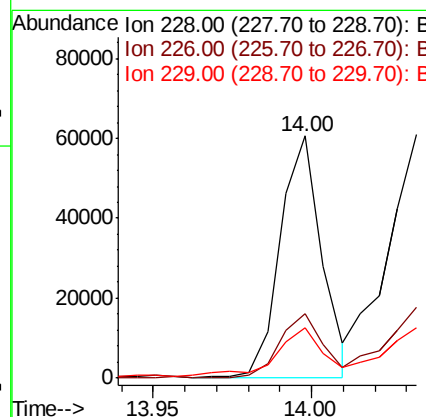
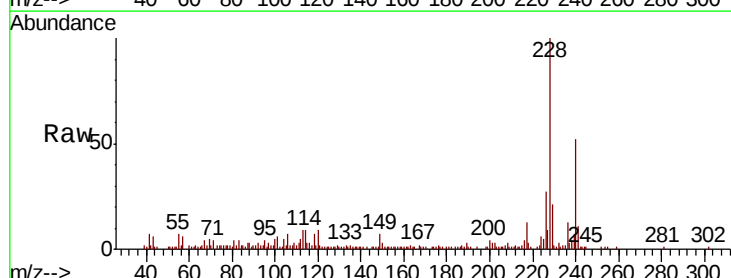
Manual Integrations
 APPROVED

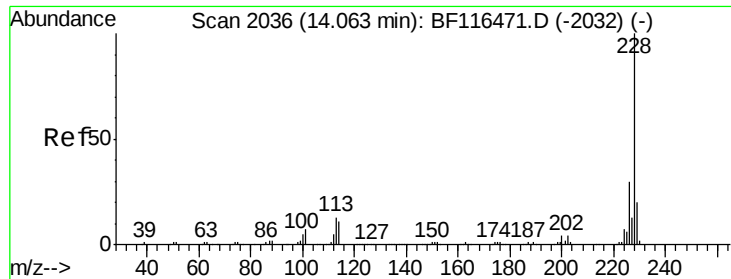
Jagrut
 8/29/2019 7:47:23 PM



#81
 Benzo(a)anthracene
 Concen: 8.255 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF116634.D
 Acq: 29 Aug 2019 00:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.5	32.3
229	20.8	15.4	23.0





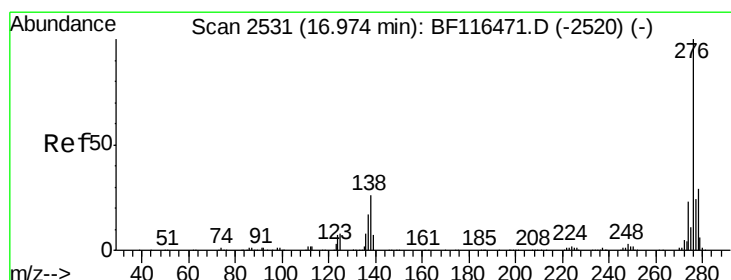
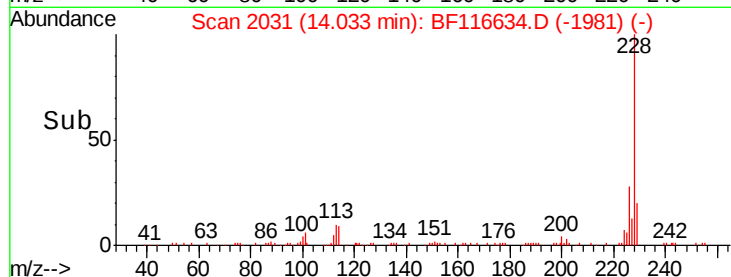
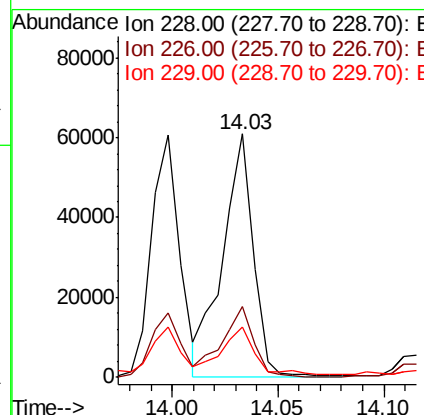
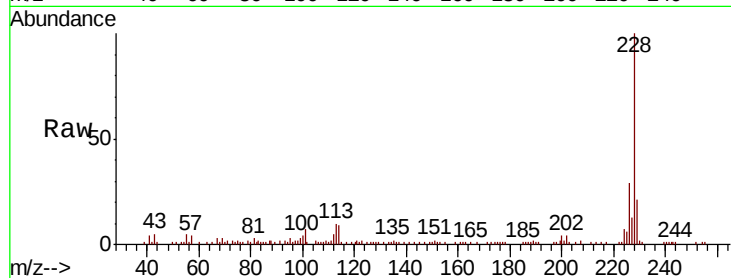
#83
Chrysene
Concen: 9.342 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Instrument :
BNA_F
ClientSampleId :
S701A-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	20.8	15.8	23.8

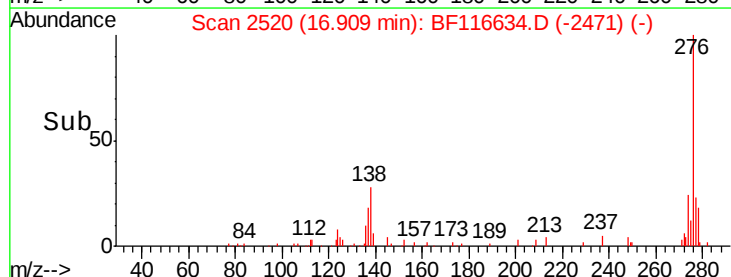
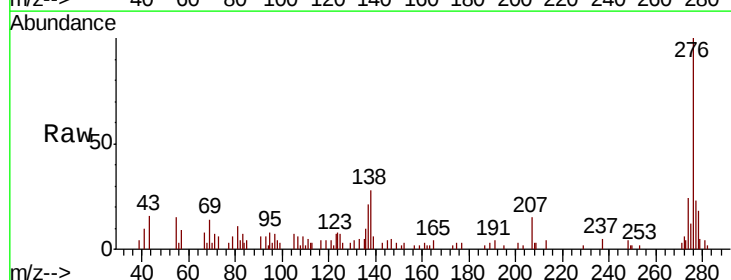
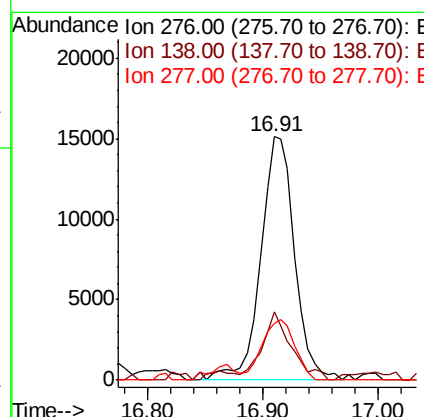
Manual Integrations
APPROVED

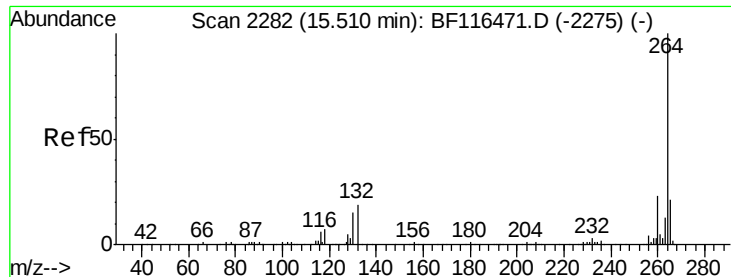
Jagrut
8/29/2019 7:47:23 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 9.472 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	21.5	32.3
277	24.1	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Instrument :

BNA_F

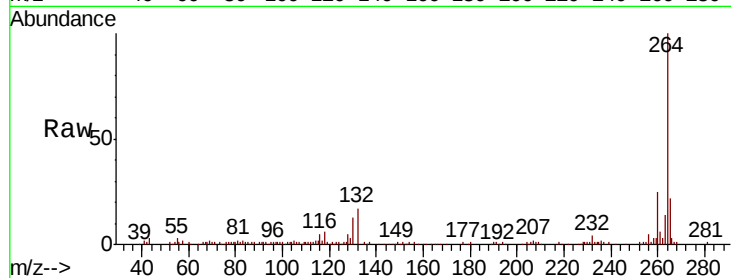
ClientSampleId :

S701A-N-0.0-0.5-082719

Tot Ion:	264	Resp:	115236
Ion Ratio		Lower	Upper
264	100		
260	25.0	20.0	30.0
265	21.6	17.6	26.4

Manual Integrations
APPROVED

Jagrut
8/29/2019 7:47:23 PM

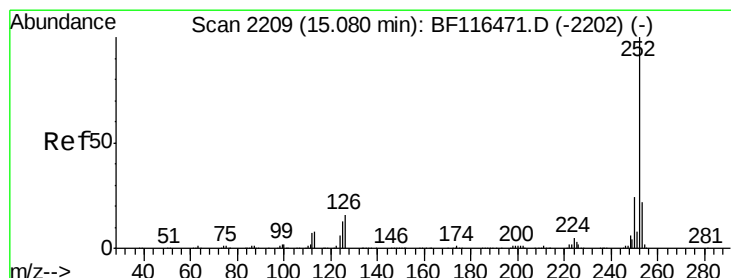
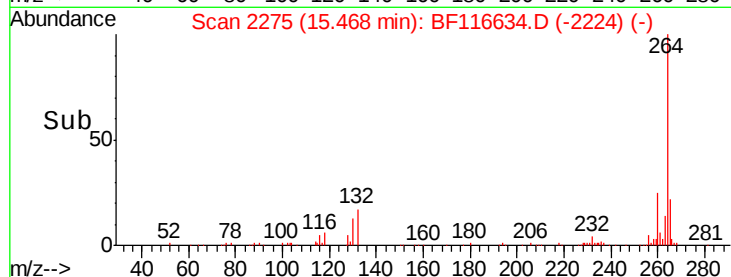
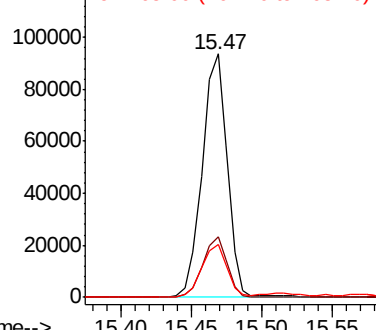


Abundance

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: 12.517 ng m

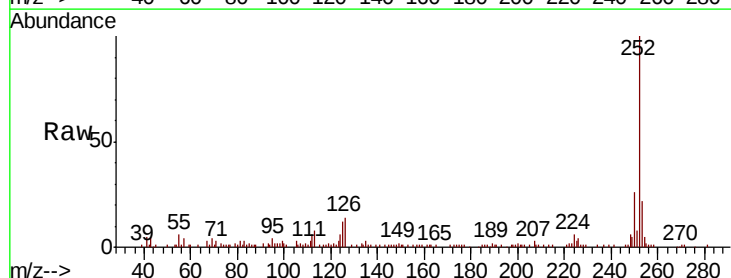
RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BF116634.D

Acq: 29 Aug 2019 00:07

Tgt Ion:	252	Resp:	88577
Ion Ratio		Lower	Upper
252	100		
253	22.4	17.3	25.9
125	11.5	9.0	13.6

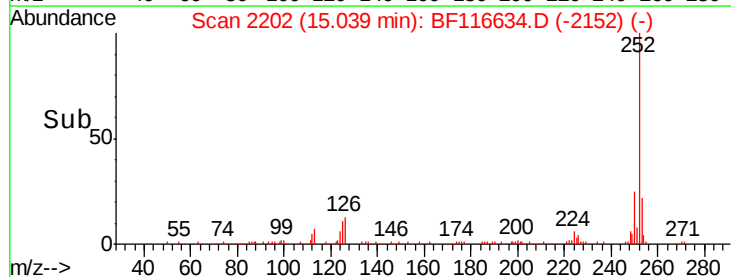
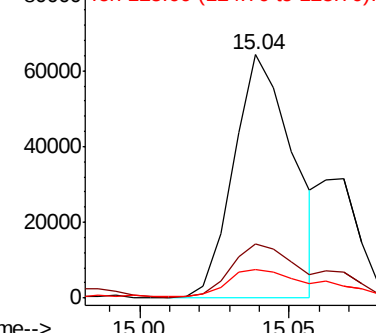


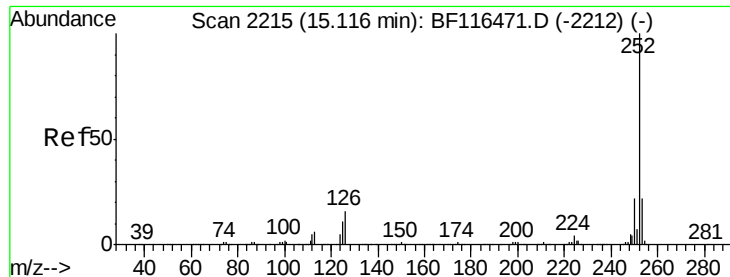
Abundance

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





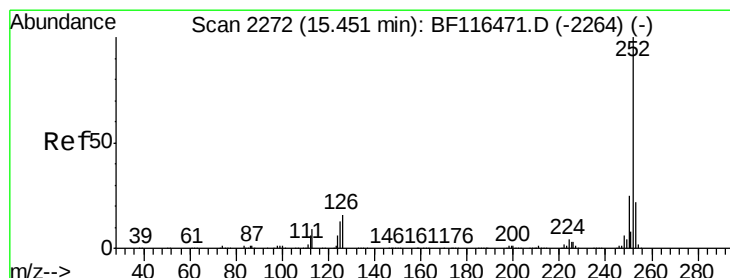
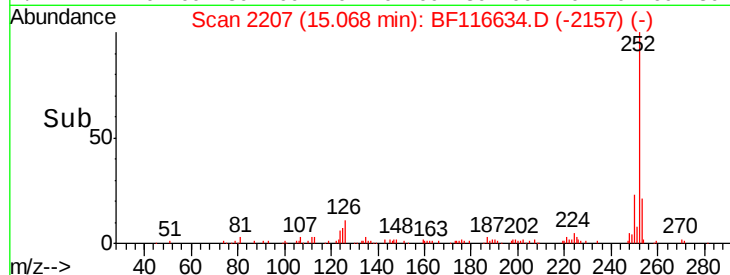
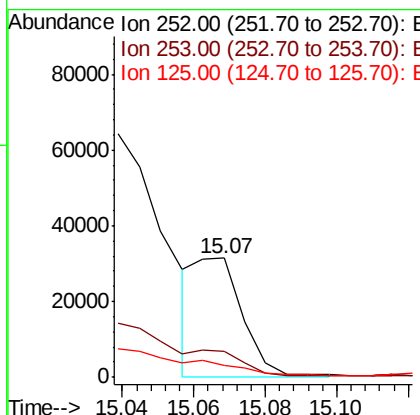
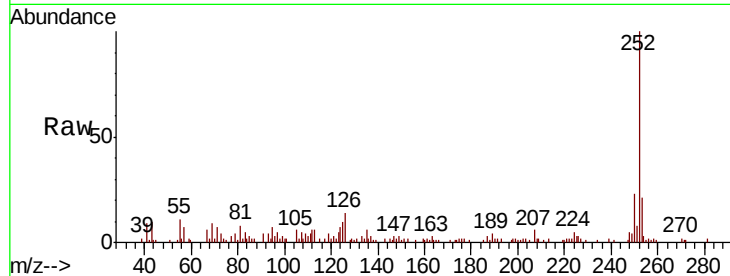
#89
Benzo(k)fluoranthene
Concen: 4.374 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Instrument :
BNA_F
ClientSampleId :
S701A-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	9.9	8.6	13.0

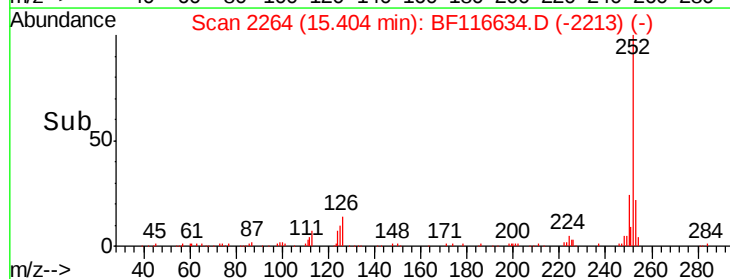
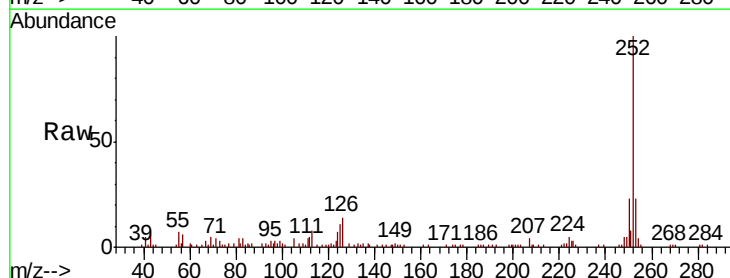
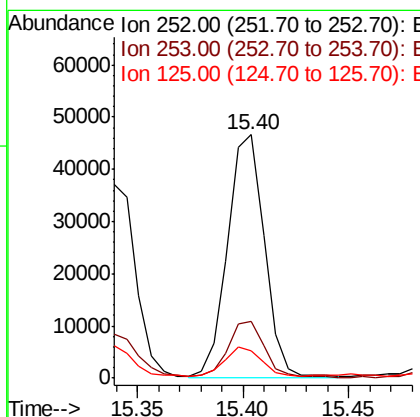
Manual Integrations
APPROVED

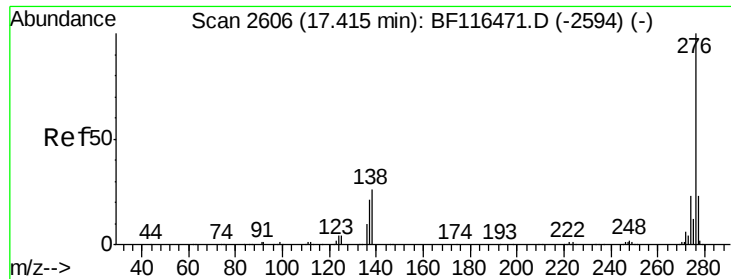
Jagrut
8/29/2019 7:47:23 PM



#90
Benzo(a)pyrene
Concen: 9.006 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.00 min
Lab File: BF116634.D
Acq: 29 Aug 2019 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	11.4	10.6	16.0





#92
 Benzo(a,h,i)perylene
 Concen: 4.469 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. -0.01 min
 Lab File: BF116634.D
 Acq: 29 Aug 2019 00:07

Instrument :
 BNA_F
 ClientSampleId :
 S701A-N-0.0-0.5-082719

Tot Ion:	276	Resp:	27385
Ion Ratio		Lower	Upper
276	100		
277	24.8	19.0	28.4
138	21.0	18.2	27.2

Manual Integrations
 APPROVED

Jagrut
 8/29/2019 7:47:23 PM

