

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011419\
 Data File : BF112062.D
 Acq On : 14 Jan 2019 20:29
 Operator : JU/SJ
 Sample : K1102-01DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-18(15-20)DL

Manual Integrations
 APPROVED

Sohil
 1/15/2019 12:19:28 PM

Quant Time: Jan 14 21:58:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 11 21:37:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	96729	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	362556	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	160423	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	252335	20.00	ng	0.00
76) Chrysene-d12	14.04	240	248971	20.00	ng	0.00
87) Perylene-d12	15.52	264	217318	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	16016	2.83	ng	0.00
7) Phenol-d6	6.51	99	19929	2.73	ng	0.00
23) Nitrobenzene-d5	7.42	82	13032	1.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	4297	2.06	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	24488	2.23	ng	-0.01
79) Terphenyl-d14	12.97	244	19512	1.49	ng	-0.01
Target Compounds						
71) Phenanthrene	11.42	178	106030	7.859	ng	100
75) Fluoranthene	12.60	202	82193	5.935	ng	98
78) Pyrene	12.83	202	65968	3.851	ng	96
81) Benzo(a)anthracene	14.03	228	36447	2.544	ng	99
83) Chrysene	14.06	228	32398	2.371	ng	96
88) Benzo(b)fluoranthene	15.08	252	30894m	2.376	ng	

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

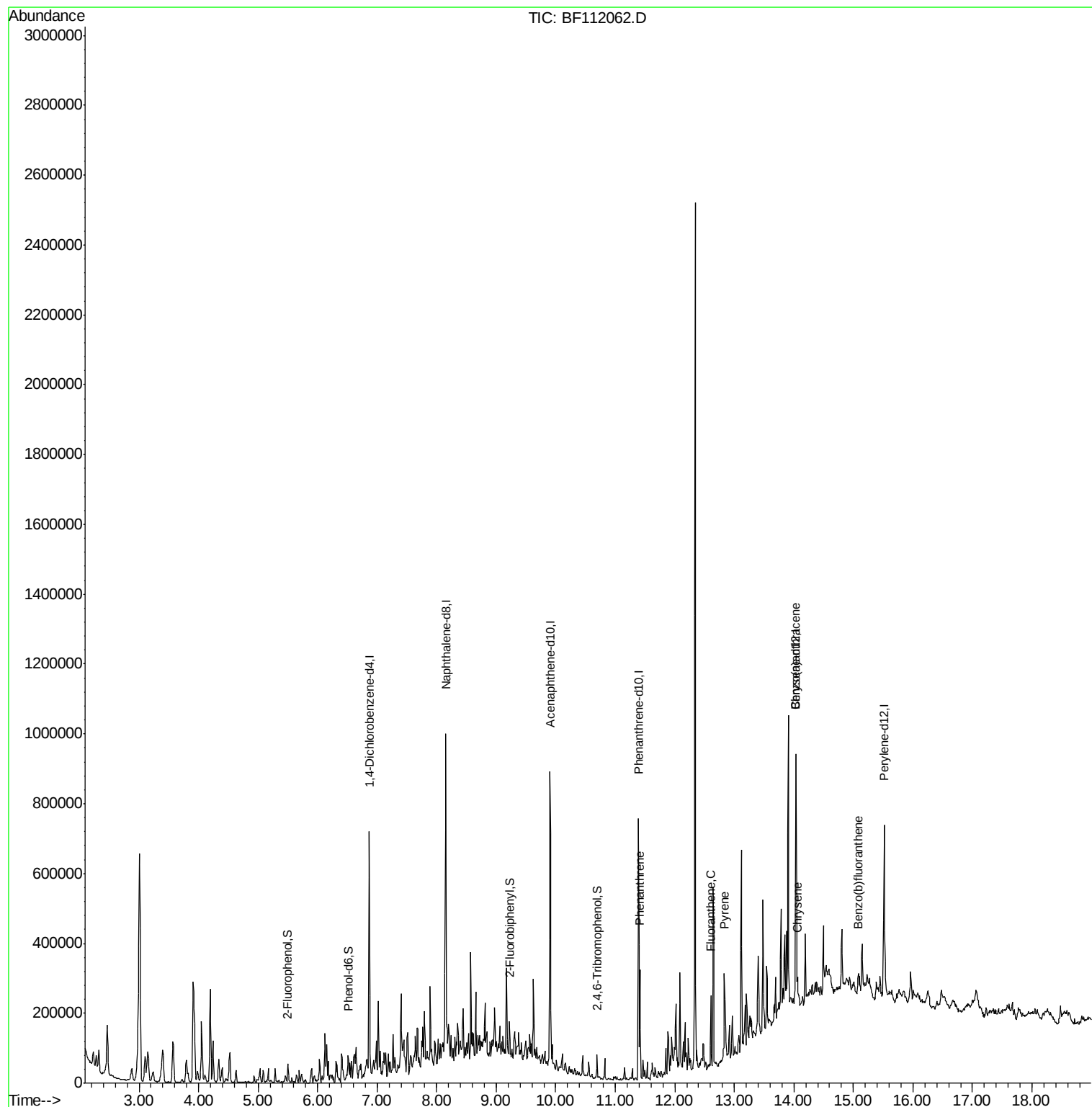
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011419\
Data File : BF112062.D
Acq On : 14 Jan 2019 20:29
Operator : JU/SJ
Sample : K1102-01DL 25X
Misc :
ALS Vial : 17 Sample Multiplier: 1

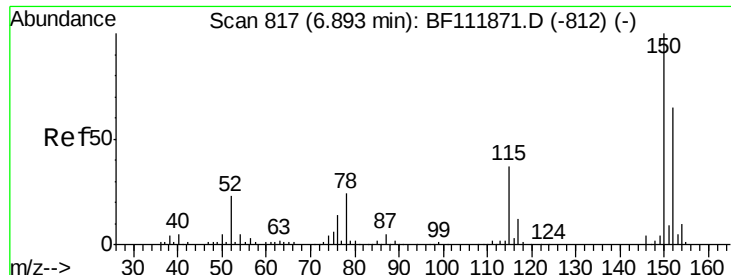
Instrument :
BNA_F
ClientSampleId :
CPSB-18(15-20)DL

Manual Integrations
APPROVED

Sohil
1/15/2019 12:19:28 PM

Quant Time: Jan 14 21:58:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 11 21:37:26 2019
Response via : Initial Calibration





#1

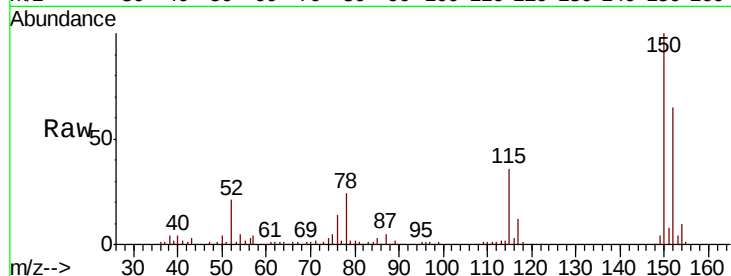
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Instrument :
BNA_F
ClientSampleId :
CPSB-18(15-20)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.7	184.1
115	55.4	45.2	67.8

Manual Integrations
APPROVED

Sohil
1/15/2019 12:19:28 PM

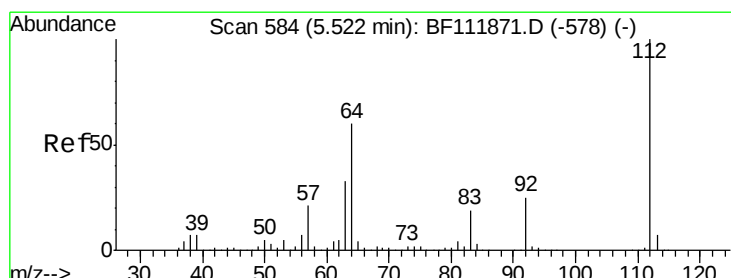
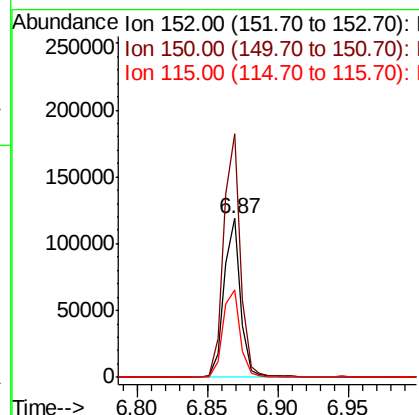
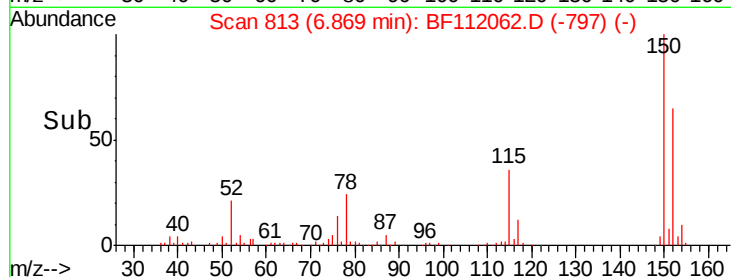


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

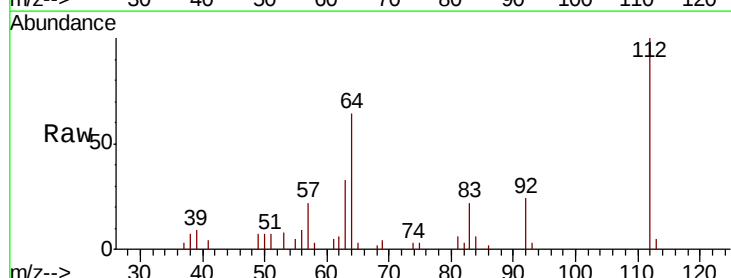
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 2.833 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	48.3	72.5
63	32.6	26.1	39.1

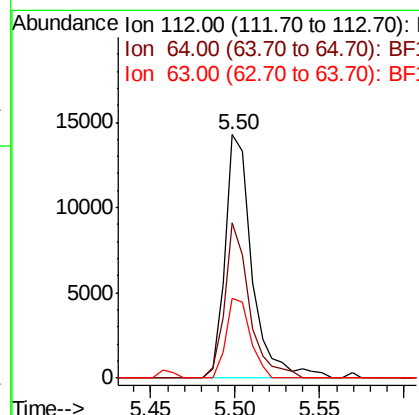
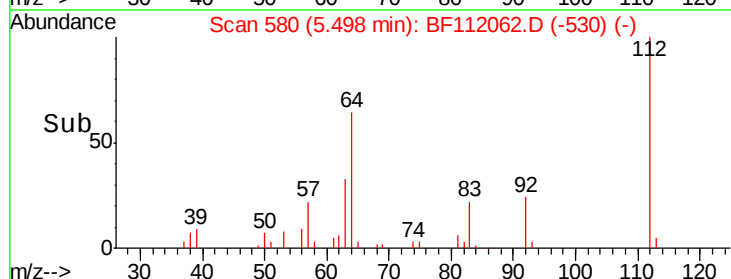


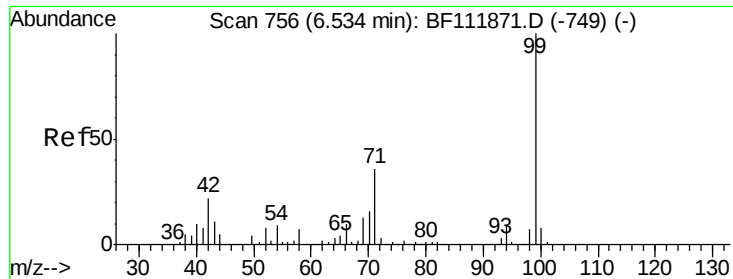
Abundance

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: 2.735 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Instrument :

BNA_F

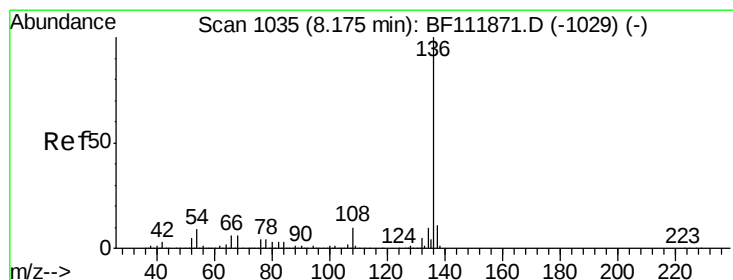
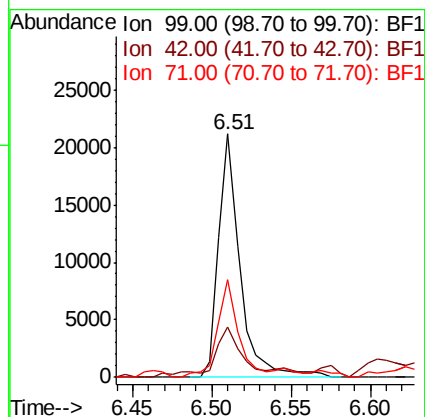
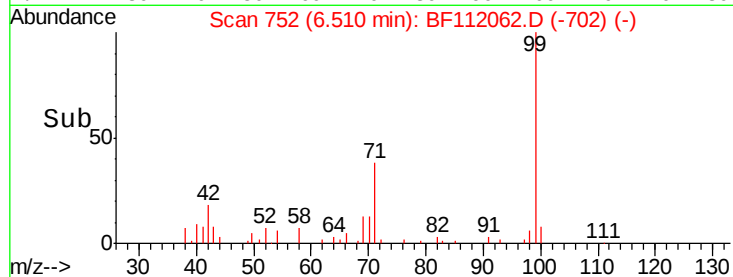
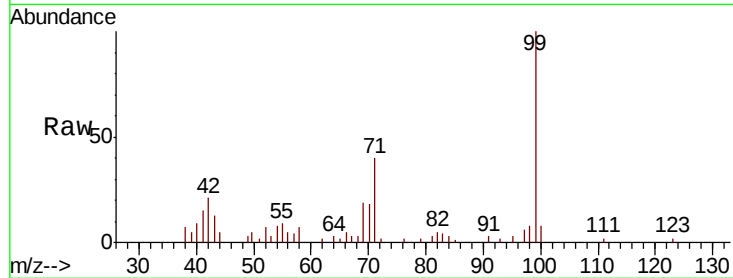
ClientSampleId :

CPSB-18(15-20)DL

Tot Ion:	99	Resp:	19929
Ion Ratio	Lower	Upper	
99	100		
42	20.7	17.9	26.9
71	40.3	28.7	43.1

Manual Integrations
APPROVED

Sohil
1/15/2019 12:19:28 PM



#21

Naphthalene-d8

Concen: 20.000 ng

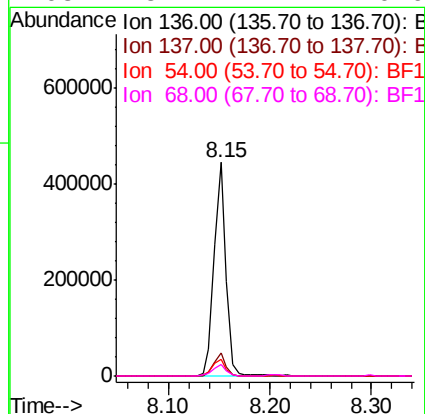
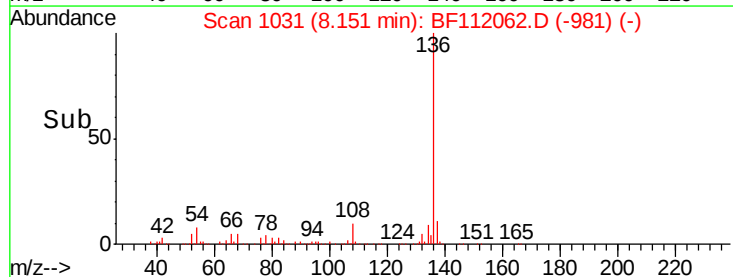
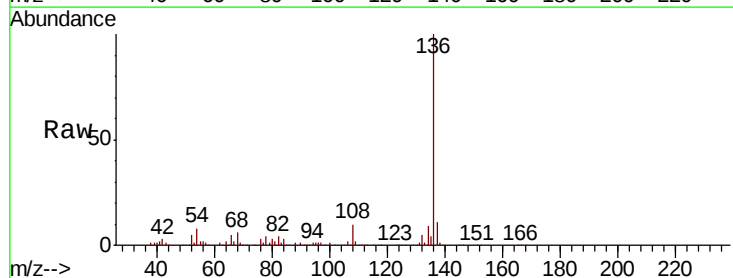
RT: 8.15 min Scan# 1031

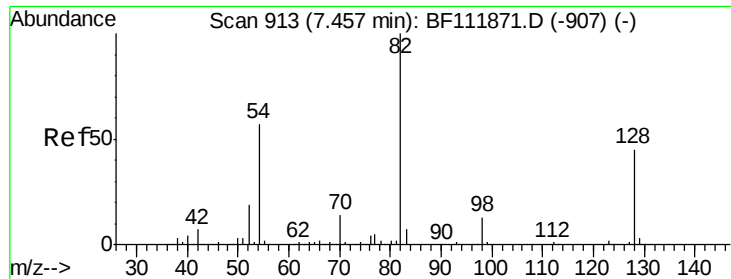
Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Tgt Ion:	136	Resp:	362556
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	8.0	7.2	10.8
68	5.7	4.4	6.6





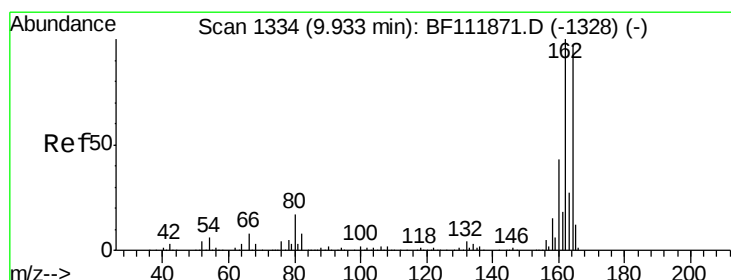
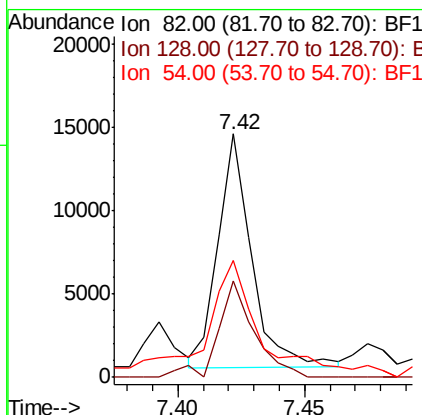
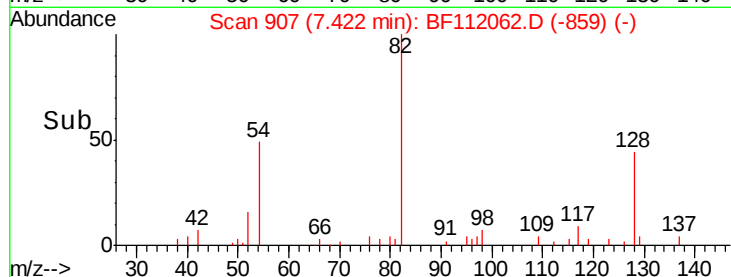
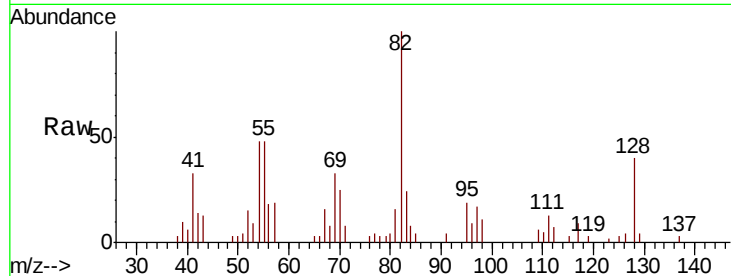
#23
Nitrobenzene-d5
Concen: 1.921 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Instrument :
BNA_F
ClientSampleId :
CPSB-18(15-20)DL

Tot Ion:	82	Resp:	13032
Ion Ratio	Lower	Upper	
82	100		
128	39.5	35.7	53.5
54	48.2	45.8	68.8

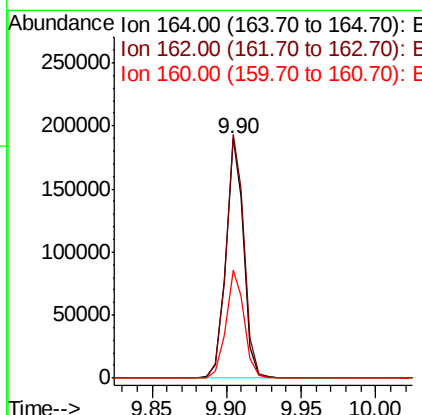
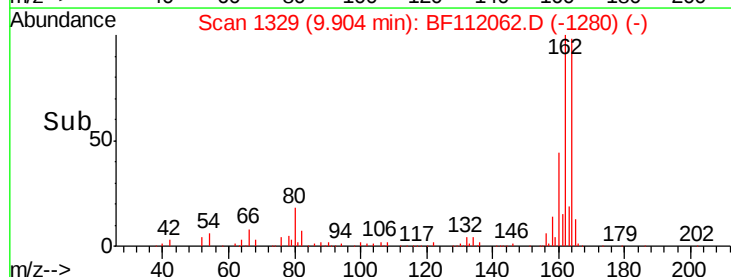
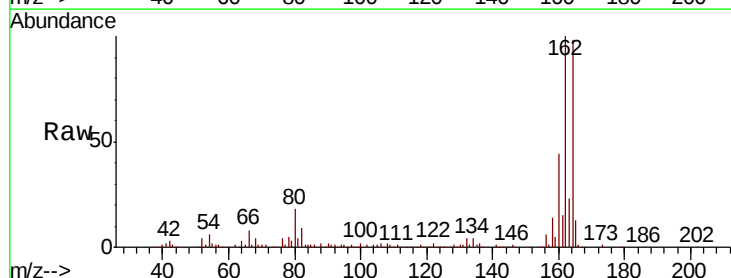
Manual Integrations
APPROVED

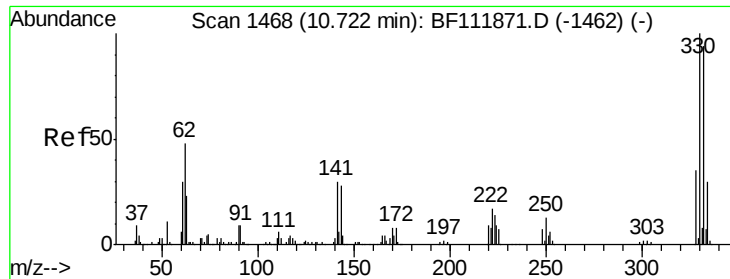
Sohil
1/15/2019 12:19:28 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Tgt Ion:	164	Resp:	160423
Ion Ratio	Lower	Upper	
164	100		
162	101.7	82.2	123.2
160	45.1	35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 2.059 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Instrument :

BNA_F

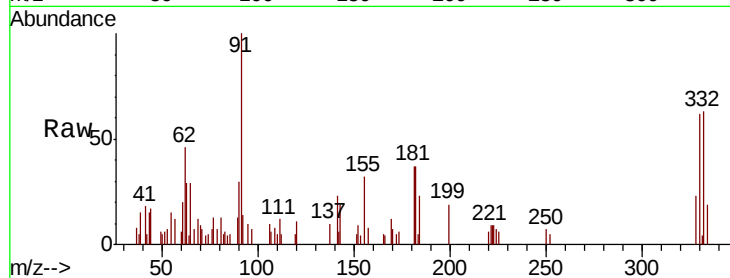
ClientSampleId :

CPSB-18(15-20)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	36.7	23.7	35.5

Manual Integrations
APPROVED

Sohil
1/15/2019 12:19:28 PM

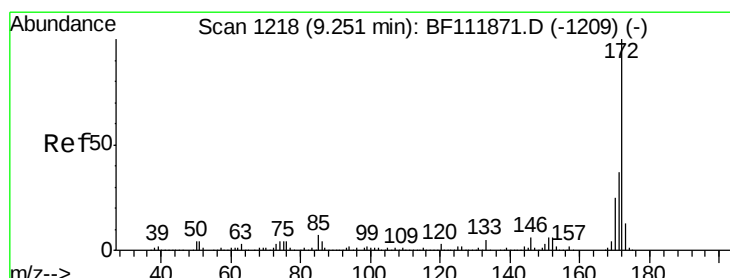
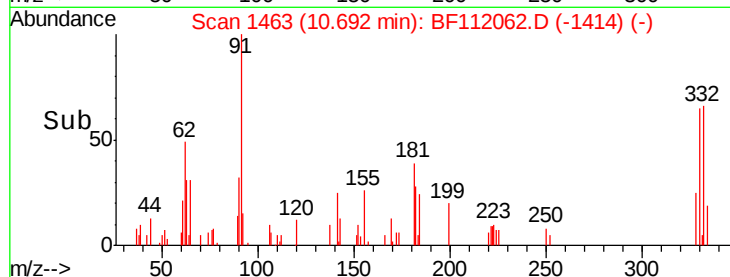
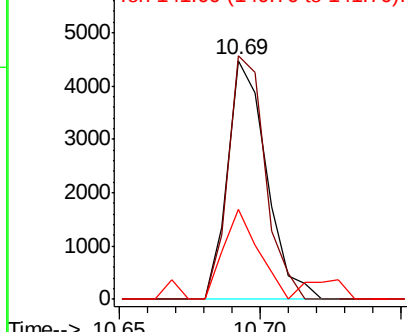


Abundance

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: 2.226 ng

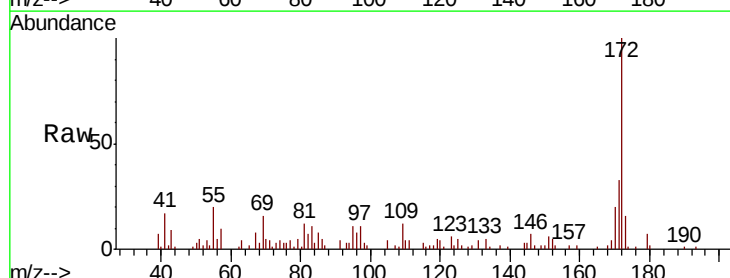
RT: 9.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.6	44.4
170	20.2	19.8	29.8

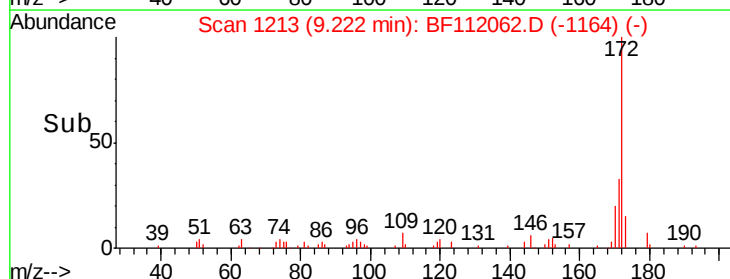
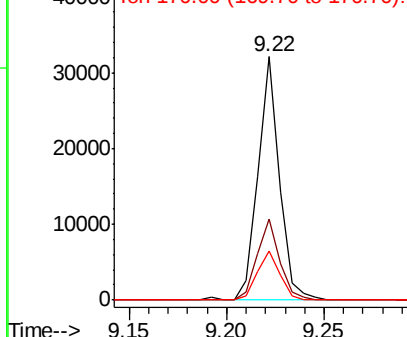


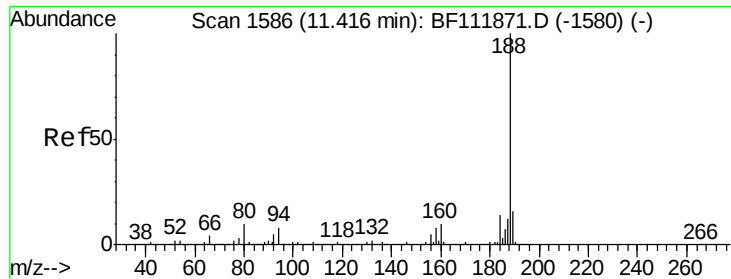
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Instrument :

BNA_F

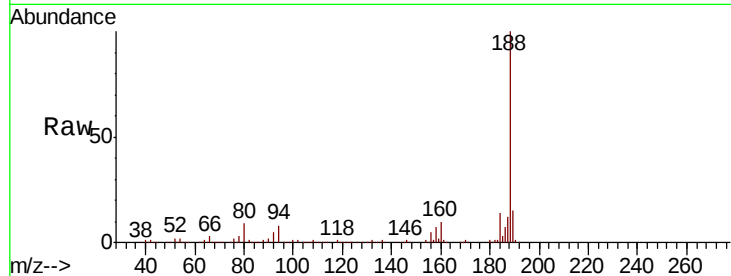
ClientSampleId :

CPSB-18(15-20)DL

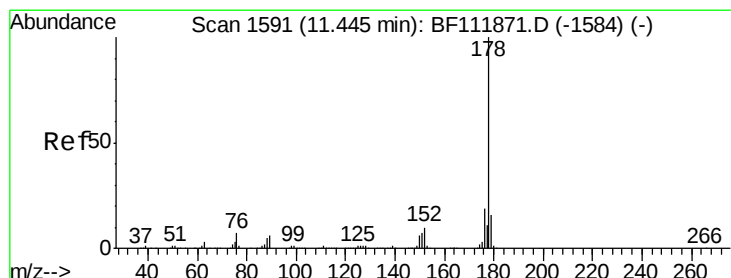
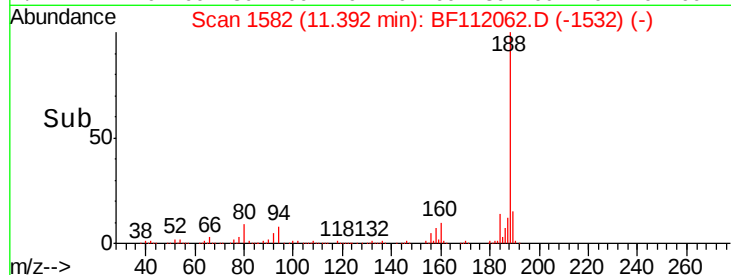
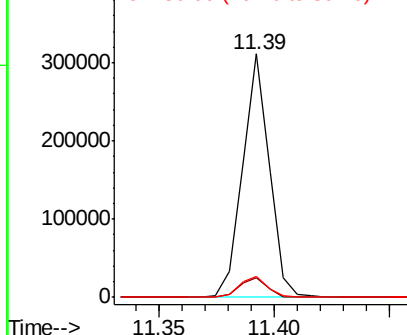
Tot Ion:	188	Resp:	252335
Ion Ratio	Lower	Upper	
188	100		
94	8.1	6.6	10.0
80	8.7	7.7	11.5

Manual Integrations
APPROVED

Sohil
1/15/2019 12:19:28 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: 7.859 ng

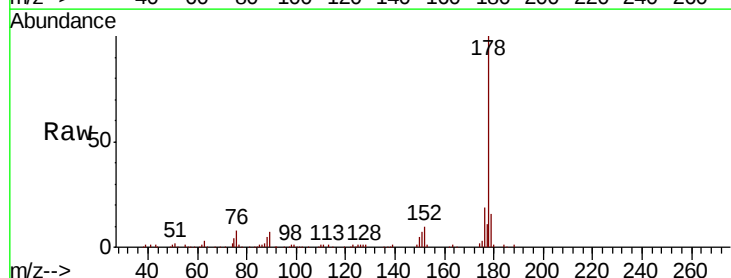
RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

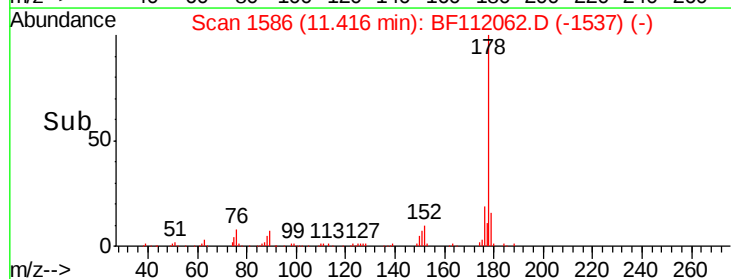
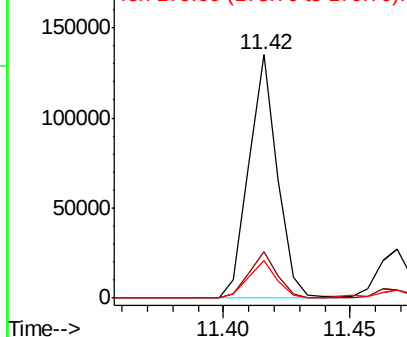
Lab File: BF112062.D

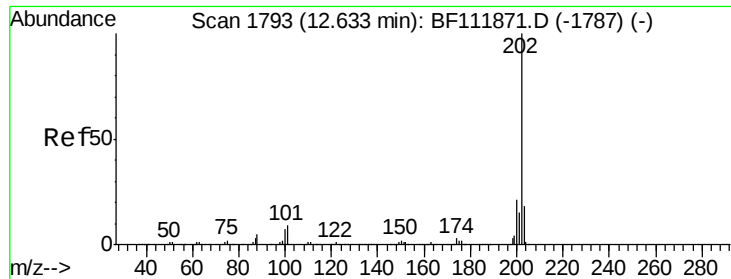
Acq: 14 Jan 2019 20:29

Tgt Ion:	178	Resp:	106030
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	15.6	12.6	18.8



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: 5.935 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Instrument :

BNA_F

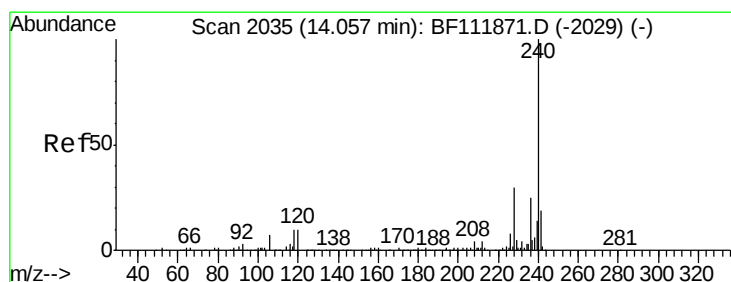
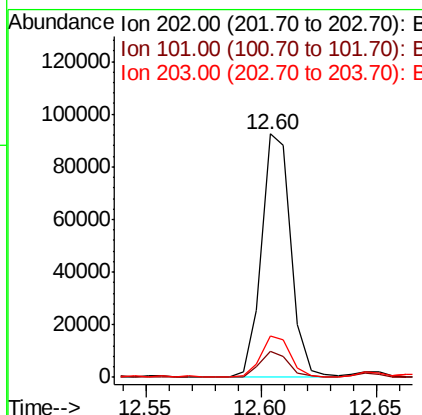
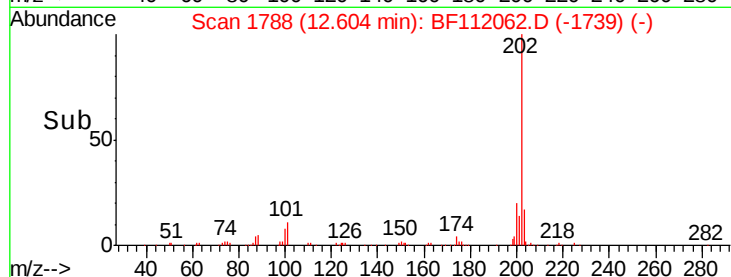
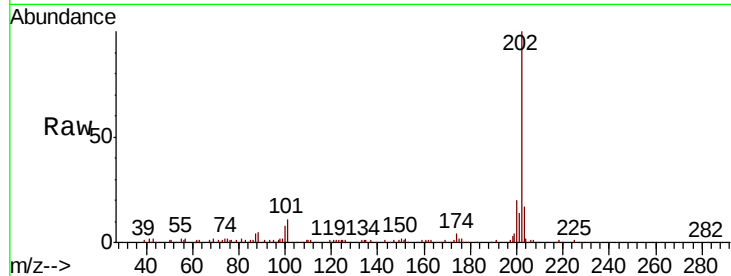
ClientSampleId :

CPSB-18(15-20)DL

Tot Ion:	202	Resp:	82193
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	29.3
203	17.1	0.0	37.6

Manual Integrations
APPROVED

Sohil
1/15/2019 12:19:28 PM



#76

Chrysene-d12

Concen: 20.000 ng

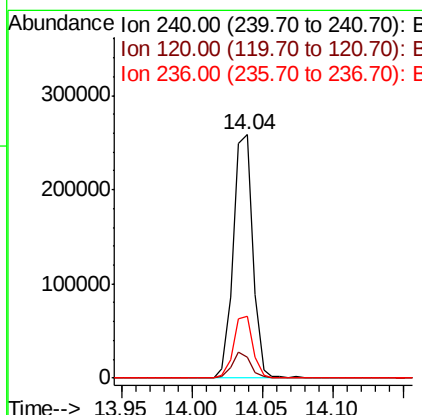
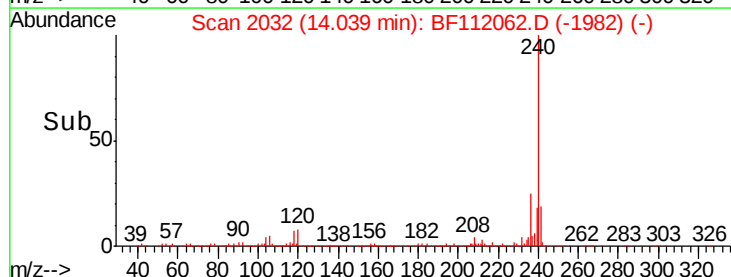
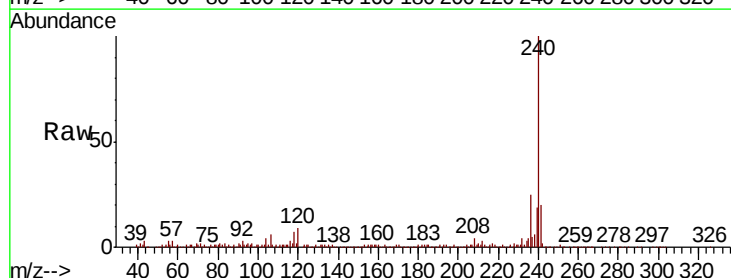
RT: 14.04 min Scan# 2032

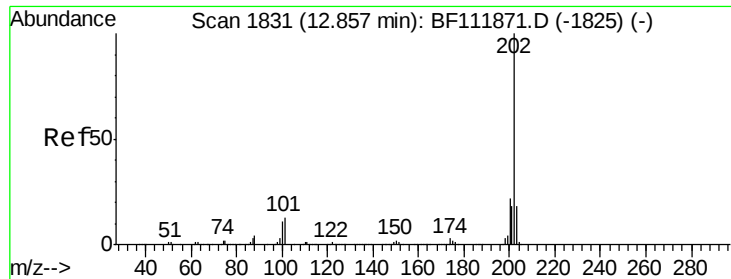
Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Tgt Ion:	240	Resp:	248971
Ion Ratio	Lower	Upper	
240	100		
120	8.7	8.2	12.2
236	25.4	20.2	30.4





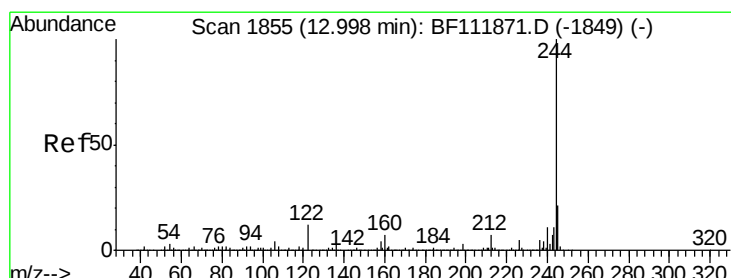
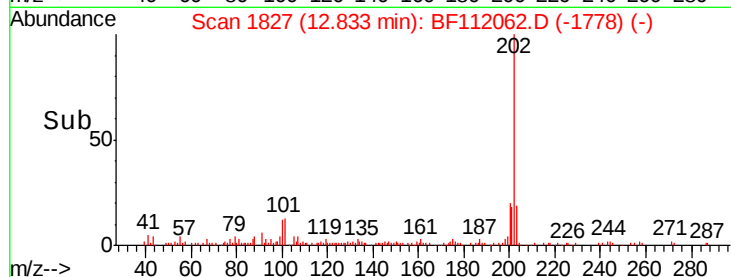
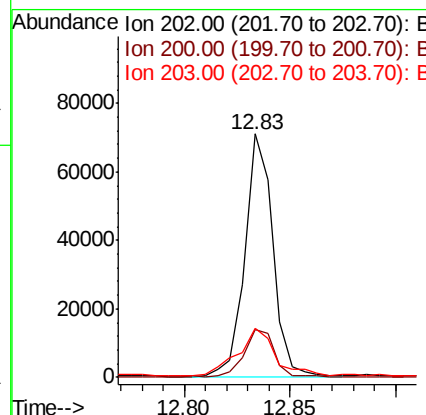
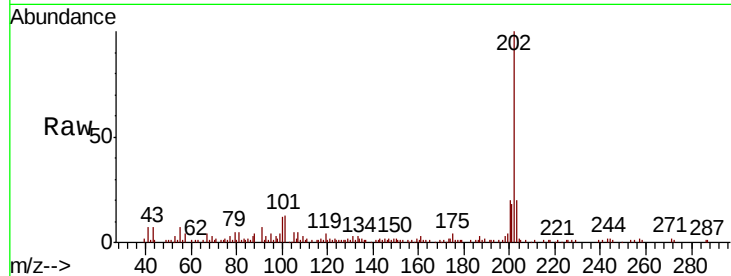
#78
Pvrene
Concen: 3.851 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Instrument :
BNA_F
ClientSampleId :
CPSB-18(15-20)DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	65968		
200	19.7		17.4	26.2
203	19.9		14.6	21.8

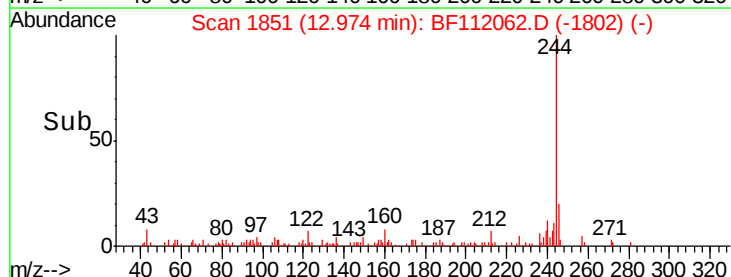
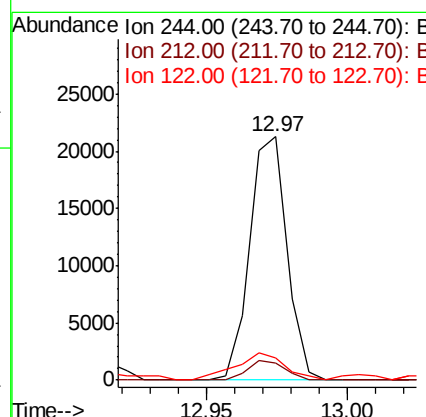
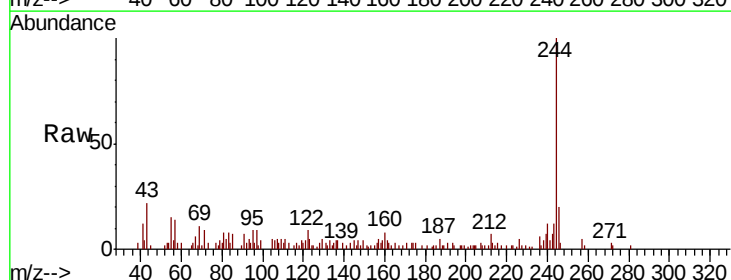
Manual Integrations
APPROVED

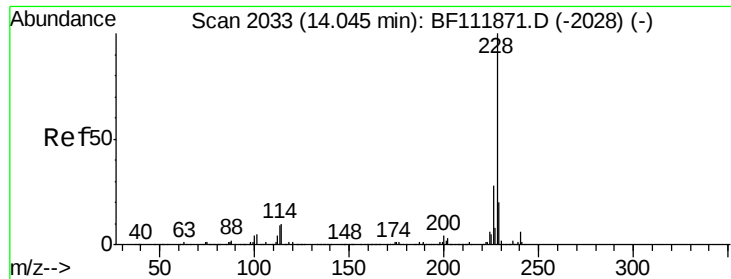
Sohil
1/15/2019 12:19:28 PM



#79
Terphenyl-d14
Concen: 1.488 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	19512		
212	7.0		5.8	8.8
122	9.0		9.5	14.3#





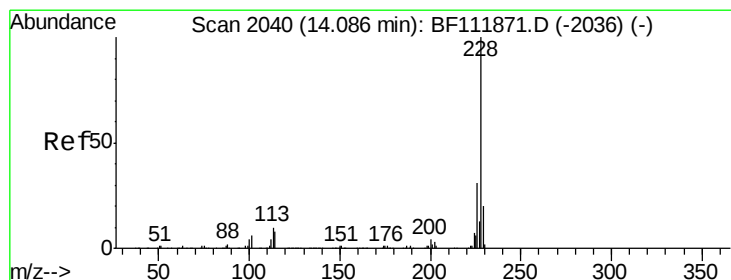
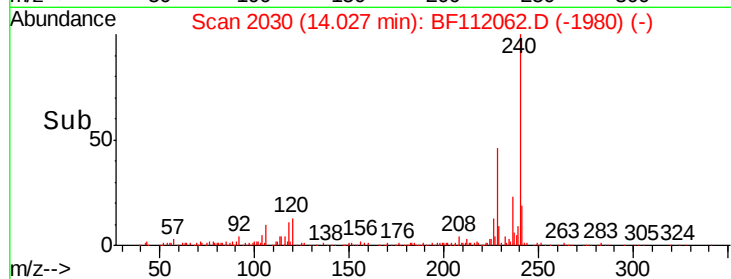
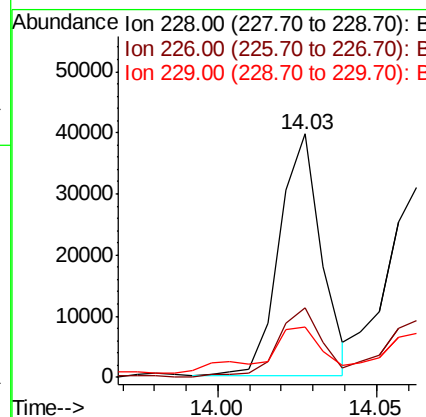
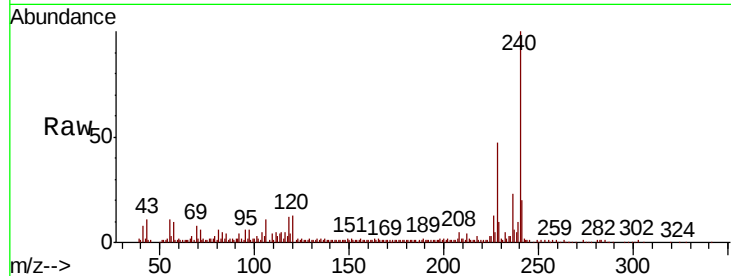
#81
Benzo(a)anthracene
Concen: 2.544 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Instrument :
BNA_F
ClientSampleId :
CPSB-18(15-20)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.2
229	20.8	16.2	24.2

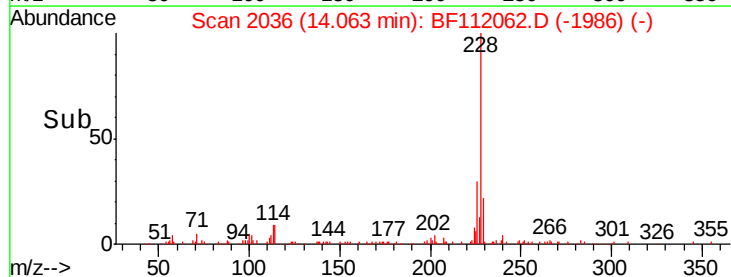
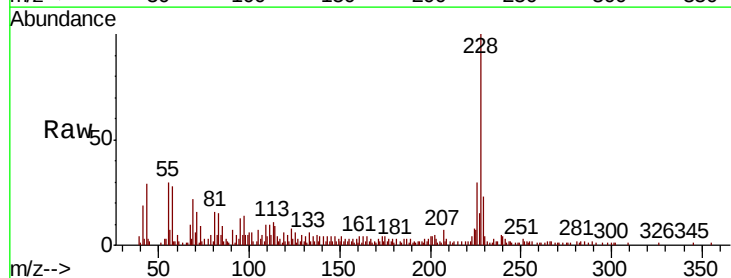
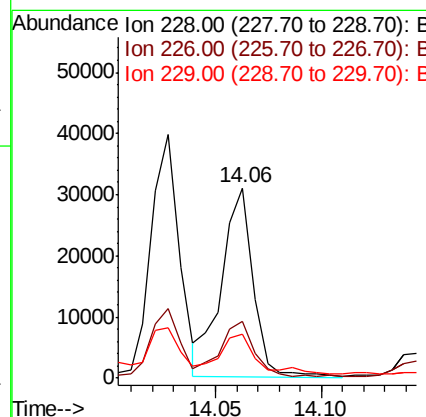
Manual Integrations
APPROVED

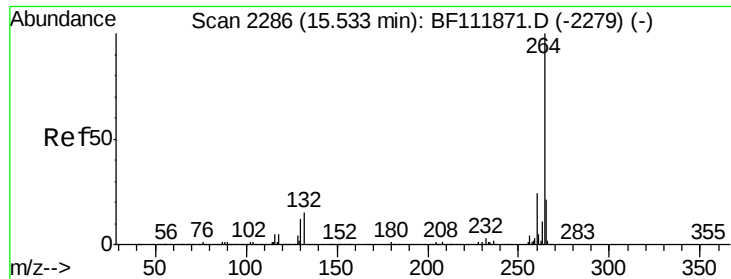
Sohil
1/15/2019 12:19:28 PM



#83
Chrysene
Concen: 2.371 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	37.0
229	23.5	15.7	23.5





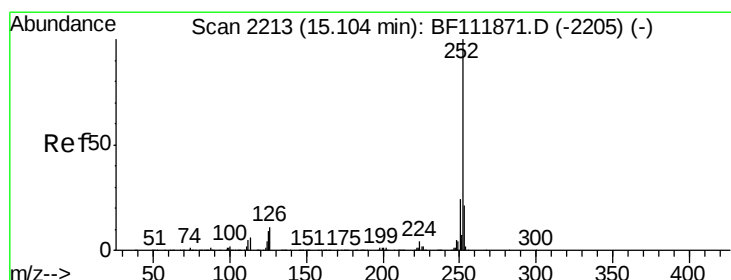
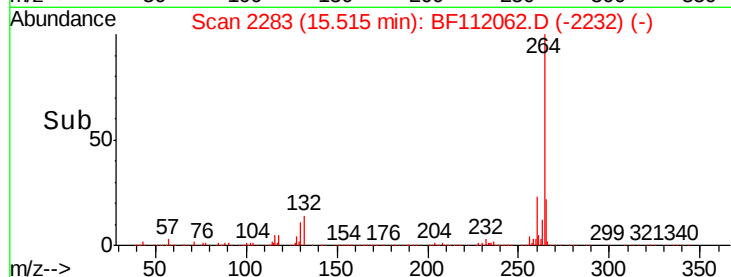
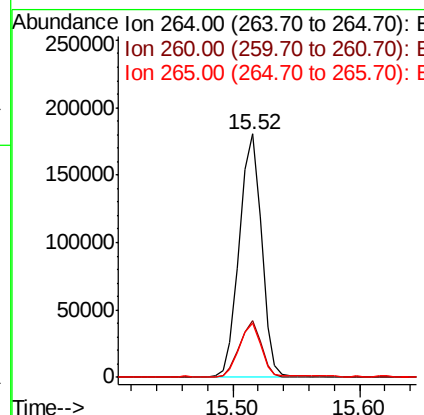
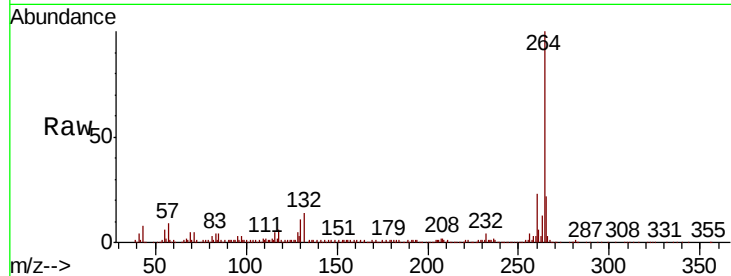
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Instrument :
BNA_F
ClientSampleId :
CPSB-18(15-20)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.1	25.7

Manual Integrations
APPROVED

Sohil
1/15/2019 12:19:28 PM



#88
Benzo(b)fluoranthene
Concen: 2.376 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	19.4	7.1	10.7#

