

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
 Data File : BF109442.D
 Acq On : 28 Sep 2018 20:44
 Operator : JU/SJ
 Sample : J5118-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064

Manual Integrations
 APPROVED

Sohil
 10/1/2018 9:57:24 AM

Quant Time: Sep 29 05:32:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	99421	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	339224	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	133545	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	234186	20.00	ng	0.00
75) Chrysene-d12	13.84	240	181448	20.00	ng	0.00
86) Perylene-d12	15.25	264	139859	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	559976	92.77	ng	0.01
7) Phenol-d6	6.35	99	698793	90.72	ng	0.00
23) Nitrobenzene-d5	7.27	82	412095	71.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	124617	94.66	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	666231	75.24	ng	0.00
78) Terphenyl-d14	12.80	244	562858	76.13	ng	0.00
Target Compounds						
10) Phenol	6.36	94	40139	4.602	ng	98
49) Dimethylphthalate	9.46	163	126908	13.066	ng	# 99
70) Phenanthrene	11.24	178	160788	13.751	ng	99
71) Anthracene	11.29	178	40212	3.391	ng	96
73) Di-n-butylphthalate	11.79	149	38762	2.853	ng	99
74) Fluoranthene	12.43	202	192560	15.410	ng	94
77) Pyrene	12.65	202	164122	12.621	ng	100
80) Benzo(a)anthracene	13.83	228	73177	6.696	ng	97
82) Chrysene	13.87	228	61310	5.660	ng	94
85) Indeno(1,2,3-cd)pyrene	16.60	276	25034m	2.851	ng	
87) Benzo(b)fluoranthene	14.85	252	61701m	8.029	ng	
88) Benzo(k)fluoranthene	14.87	252	20659m	2.833	ng	
89) Benzo(a)pyrene	15.19	252	41037	5.926	ng	# 92
91) Benzo(a,h,i)perylene	17.00	276	25103	4.496	ng	97

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

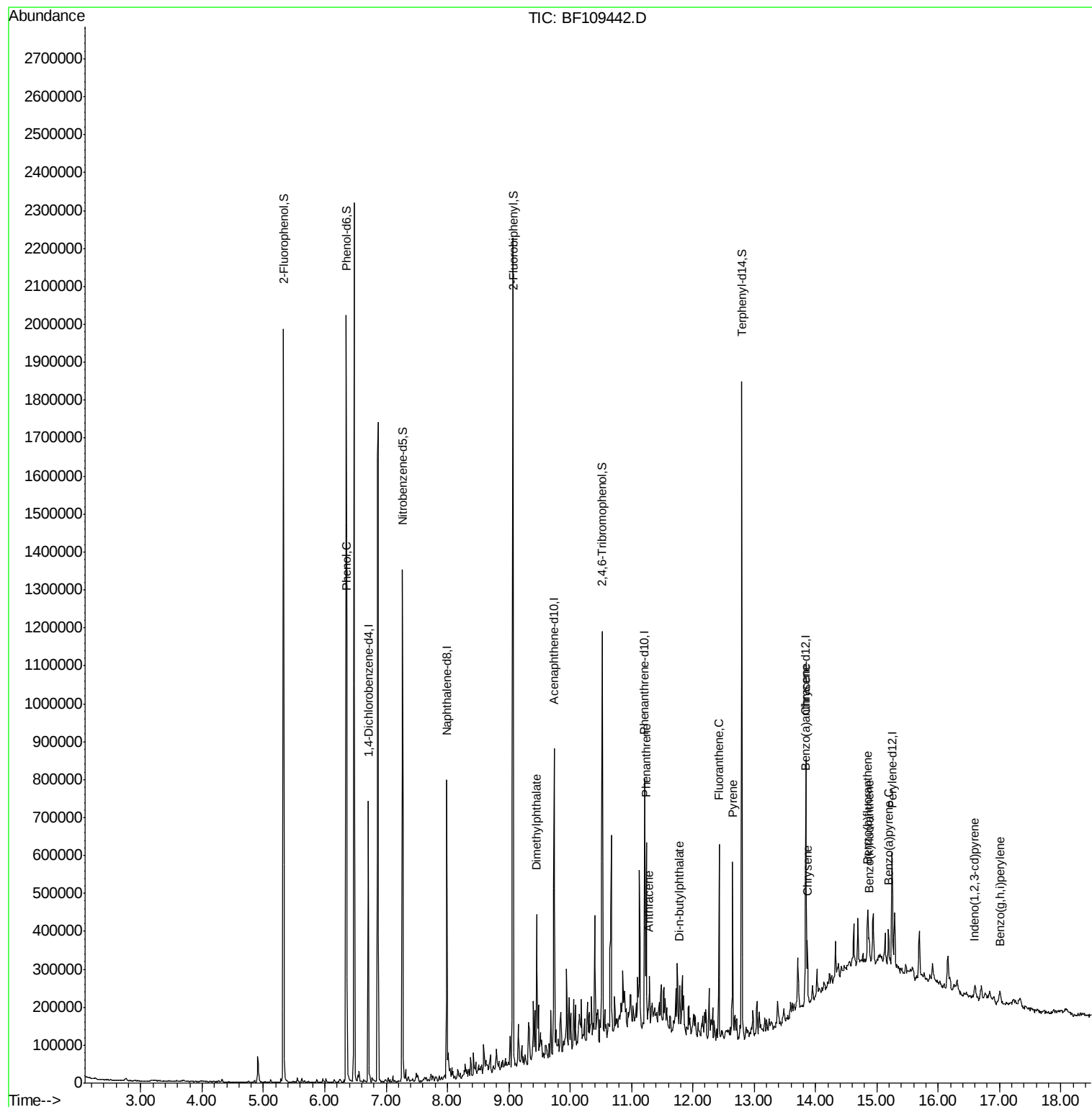
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
Data File : BF109442.D
Acq On : 28 Sep 2018 20:44
Operator : JU/SJ
Sample : J5118-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-R-064

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM

Quant Time: Sep 29 05:32:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration





#1

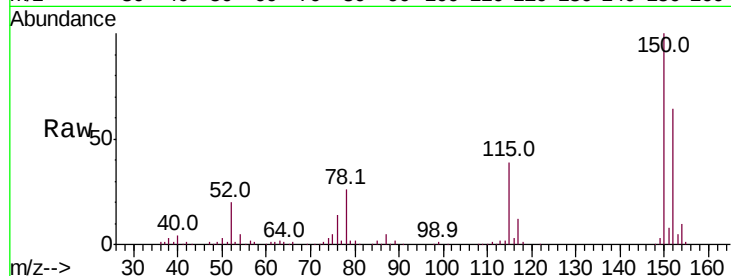
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-R-064

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	60.6	50.1	75.1

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM

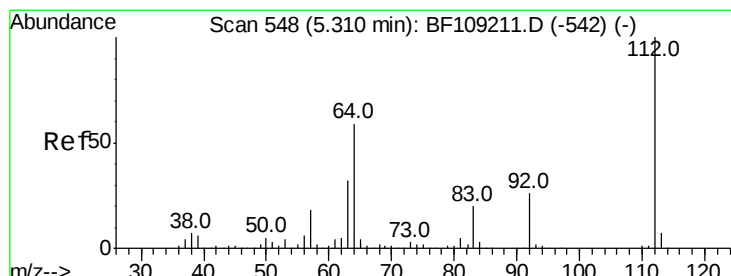
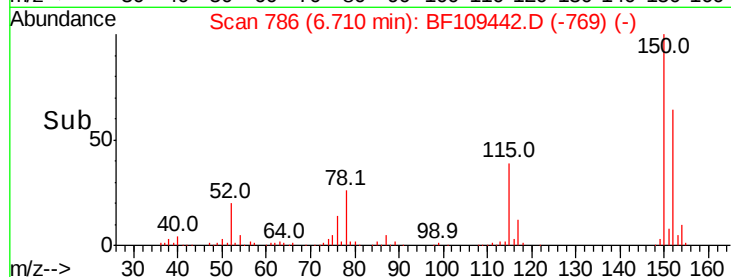
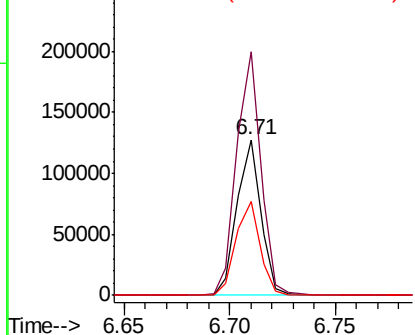


Abundance

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: 92.769 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

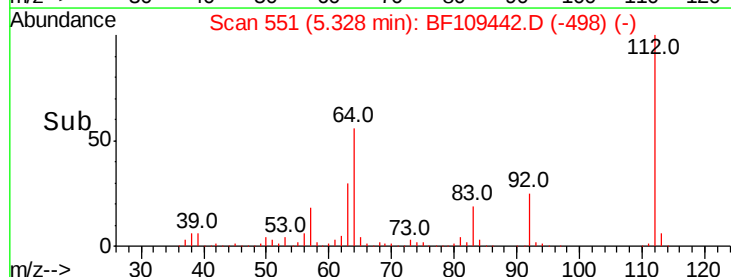
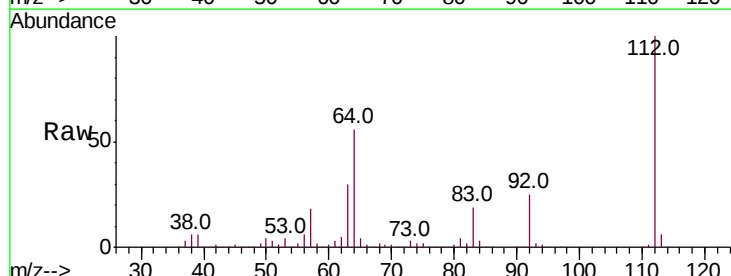
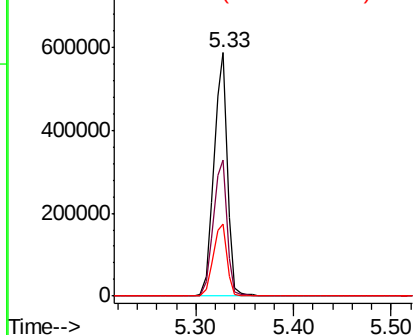
Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	29.5	23.7	35.5

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: 90.724 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Instrument :

BNA_F

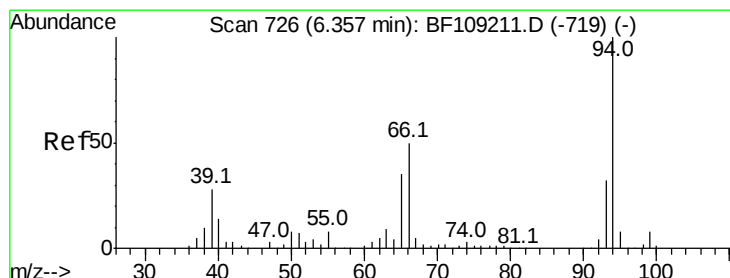
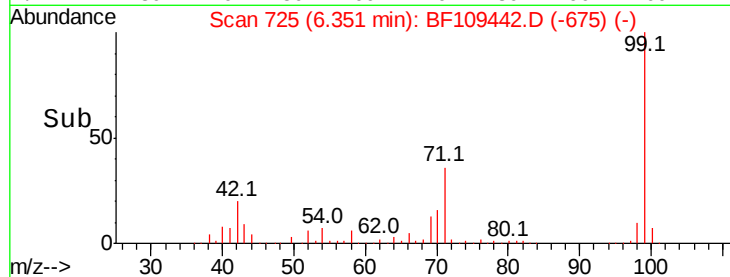
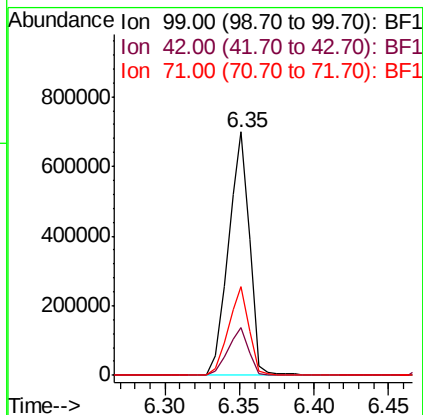
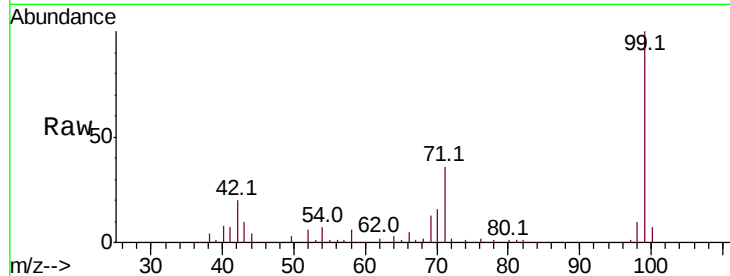
ClientSampleId :

RA-092518-USTEXC-NW-R-064

Tot Ion:	99	Resp:	698793
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	36.2	25.4	38.0

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM



#10

Phenol

Concen: 4.602 ng

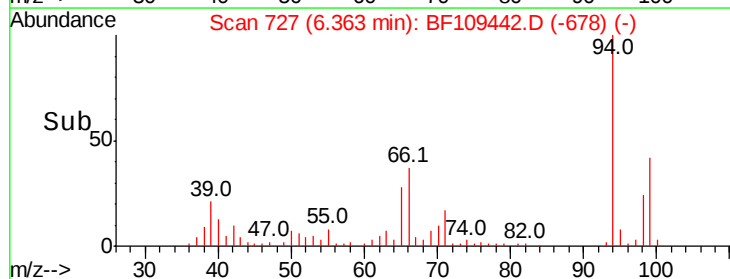
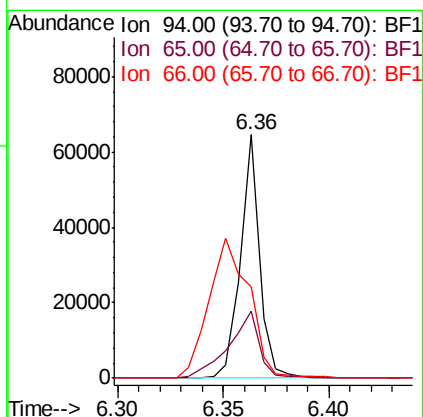
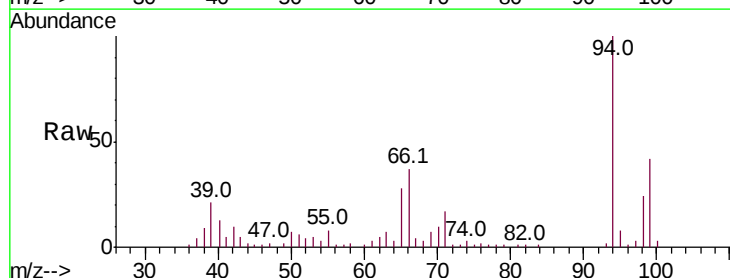
RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Tgt Ion:	94	Resp:	40139
Ion Ratio	Lower	Upper	
94	100		
65	27.5	7.9	47.9
66	37.5	16.2	56.2





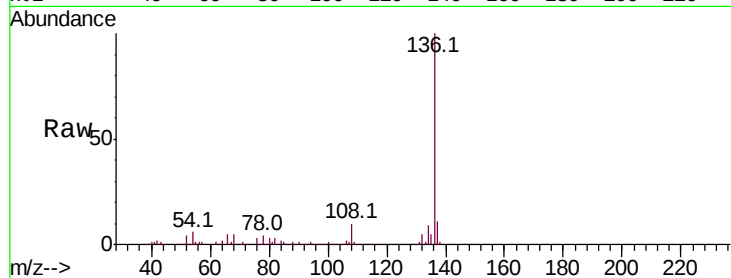
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-R-064

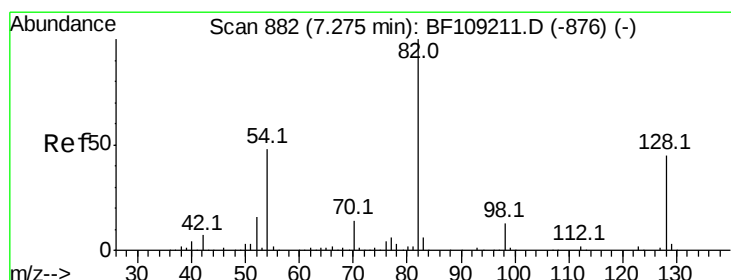
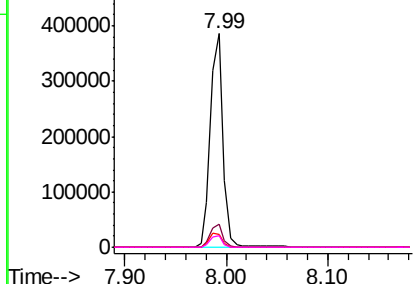
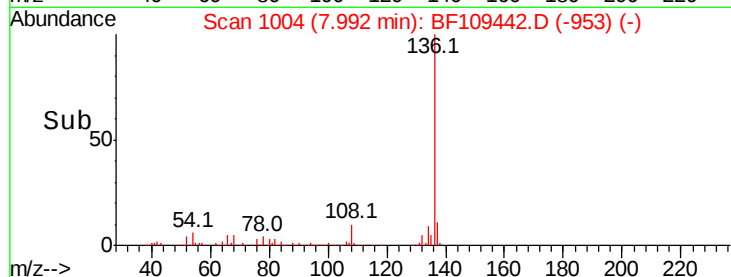
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	6.3	6.6	9.8	
68	5.4	5.0	7.4	

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM

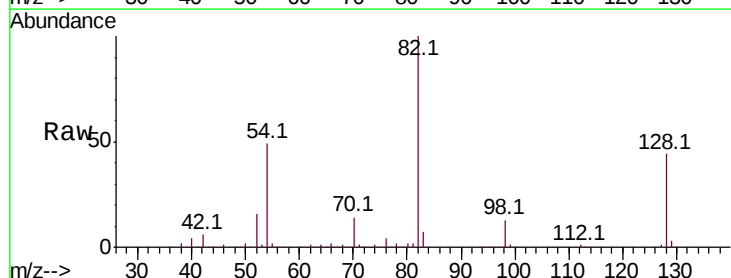


Abundance Ion 136.00 (135.70 to 136.70): E
600000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

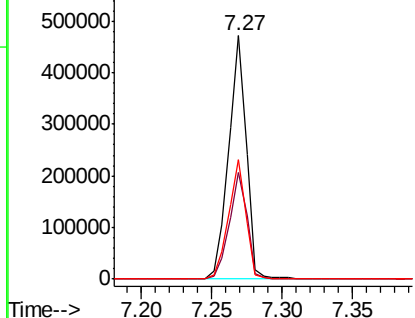
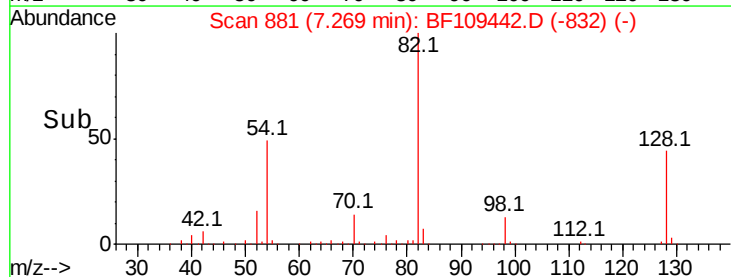


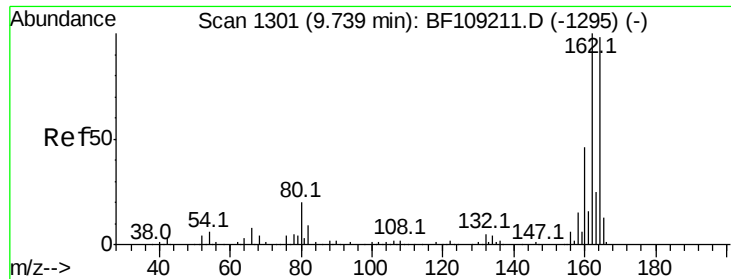
#23
Nitrobenzene-d5
Concen: 71.712 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.6	36.1	54.1	
54	49.1	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
600000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Instrument :

BNA_F

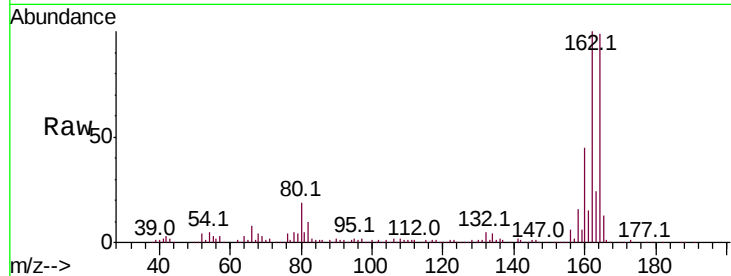
ClientSampleId :

RA-092518-USTEXC-NW-R-064

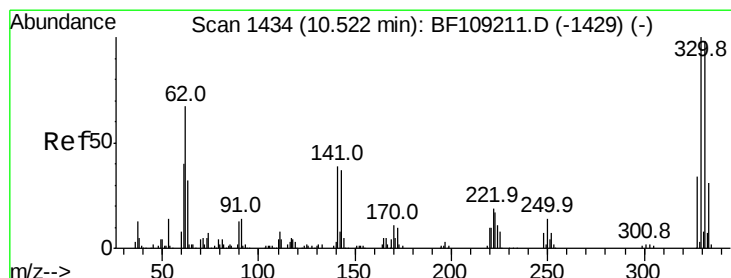
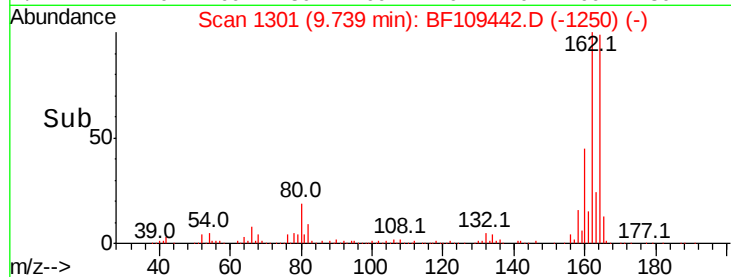
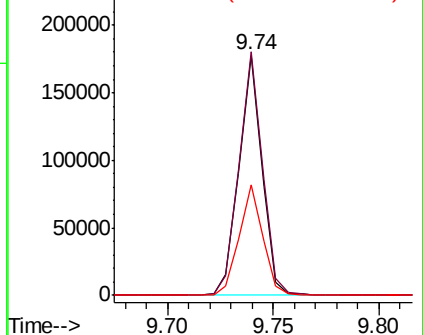
Tot Ion:	164	Resp:	133545
Ion Ratio	Lower	Upper	
164	100		
162	101.5	86.1	129.1
160	45.9	38.3	57.5

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 94.660 ng

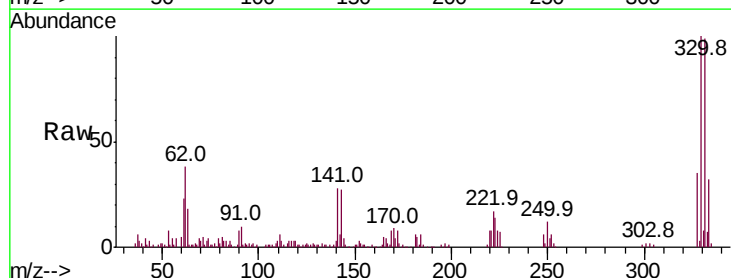
RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

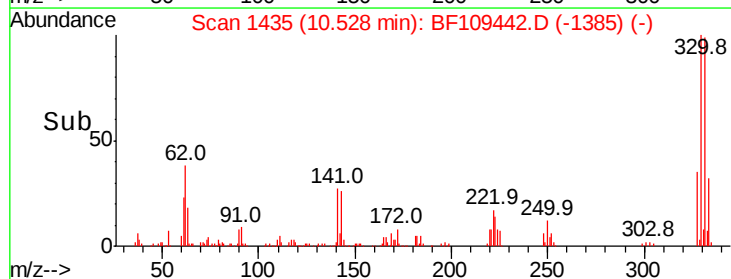
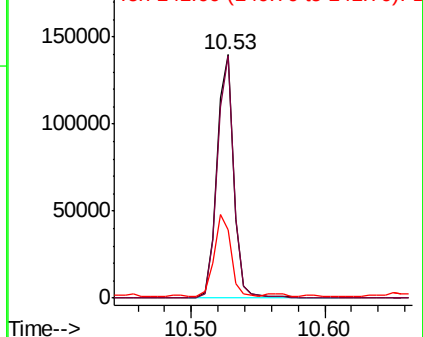
Lab File: BF109442.D

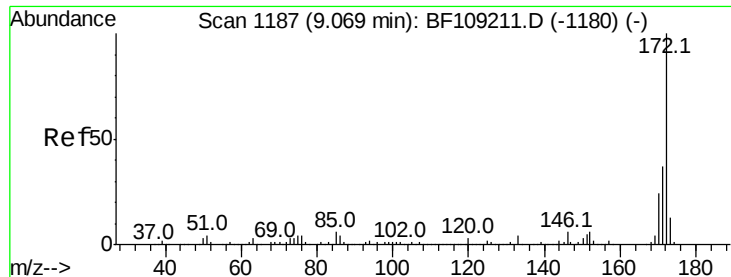
Acq: 28 Sep 2018 20:44

Tgt Ion:	330	Resp:	124617
Ion Ratio	Lower	Upper	
330	100		
332	98.3	77.0	115.6
141	32.7	29.9	44.9



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





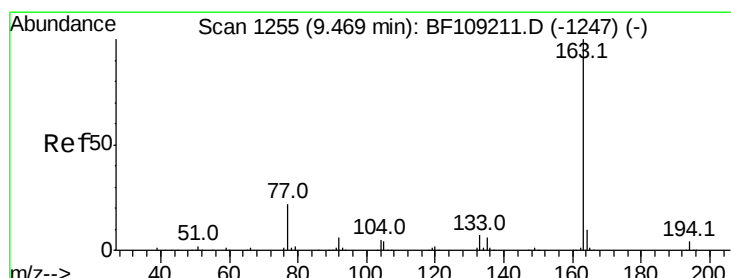
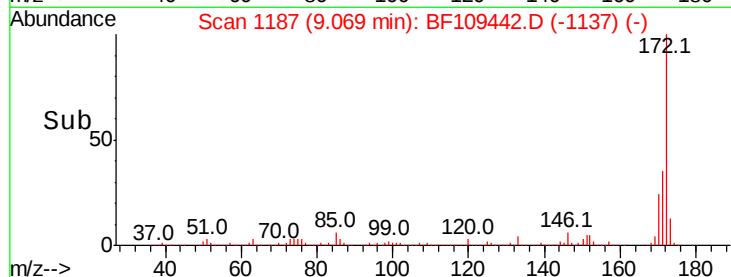
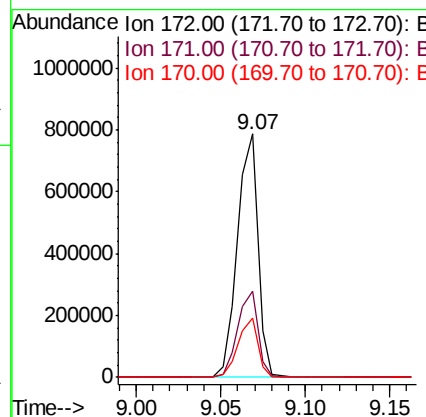
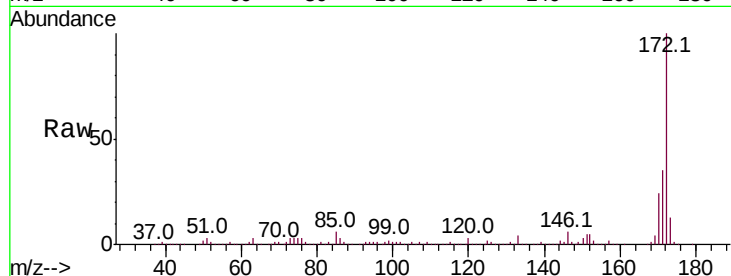
#44
2-Fluorobiphenyl
Concen: 75.241 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-R-064

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.7	44.5	
170	24.2	19.6	29.4	

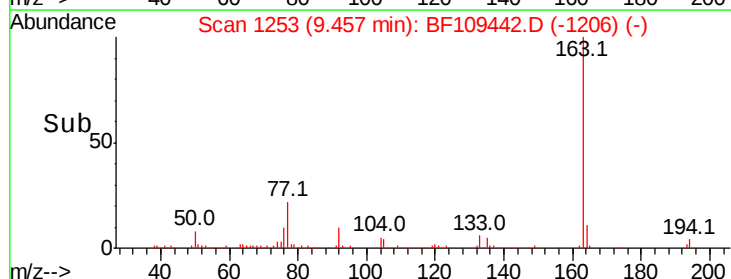
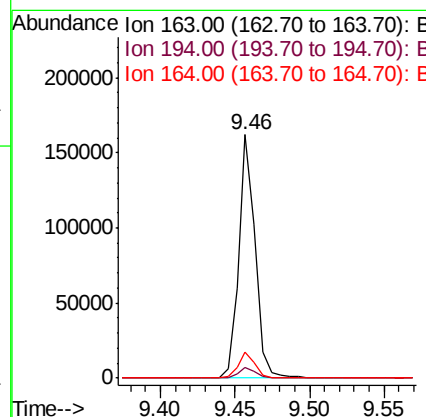
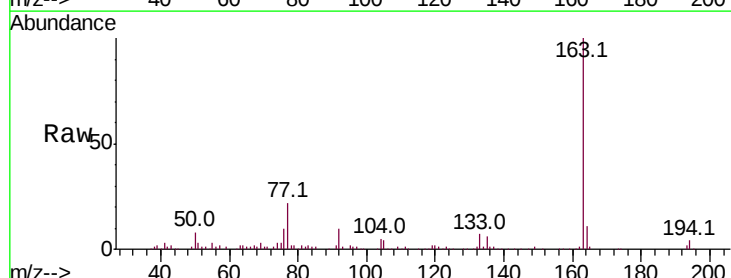
Manual Integrations
APPROVED

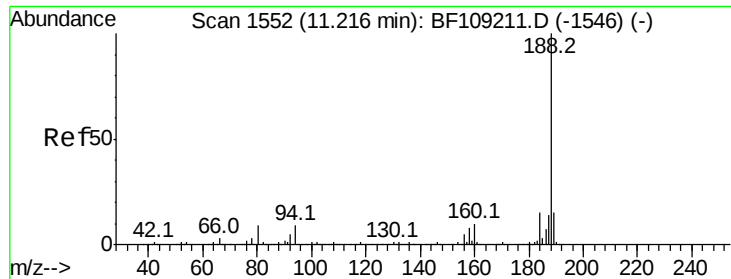
Sohil
10/1/2018 9:57:24 AM



#49
Dimethylphthalate
Concen: 13.066 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1#	
164	10.6	8.2	12.2	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Instrument :

BNA_F

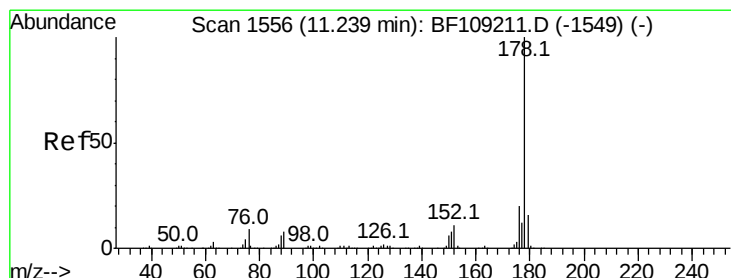
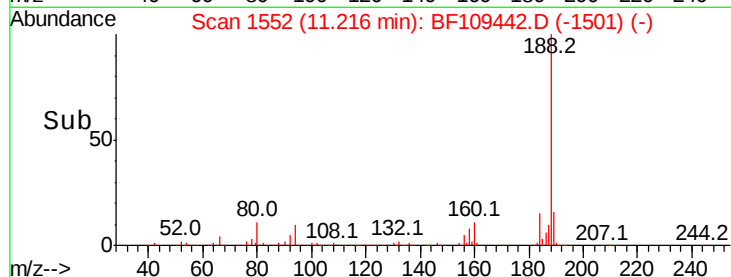
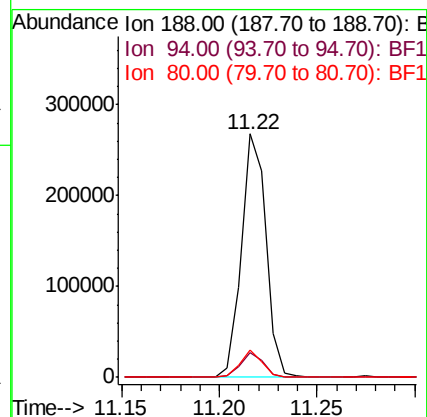
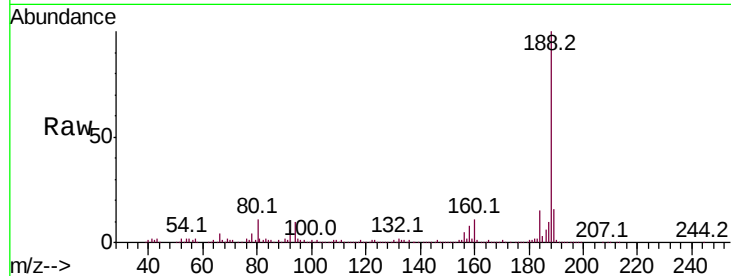
ClientSampleId :

RA-092518-USTEXC-NW-R-064

Tot Ion:	188	Resp:	234186
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.5	12.7
80	11.2	9.2	13.8

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM



#70

Phenanthrene

Concen: 13.751 ng

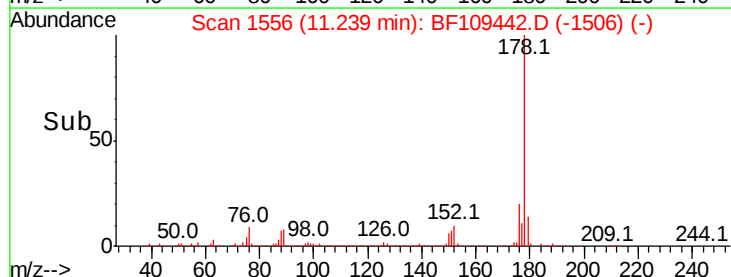
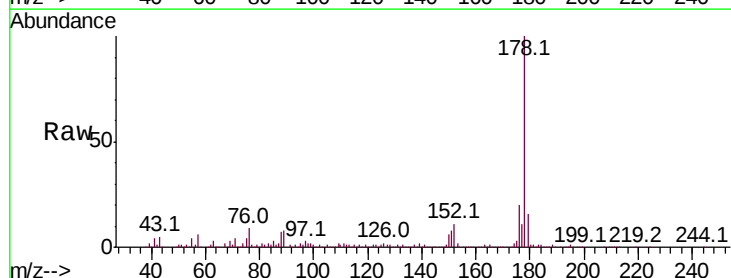
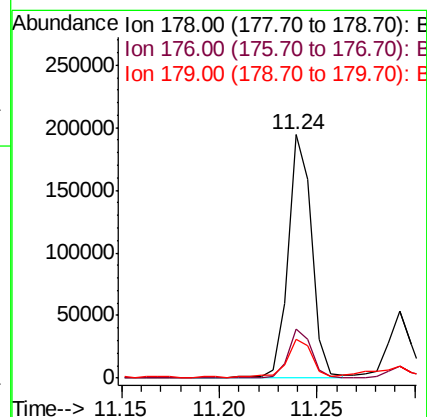
RT: 11.24 min Scan# 1556

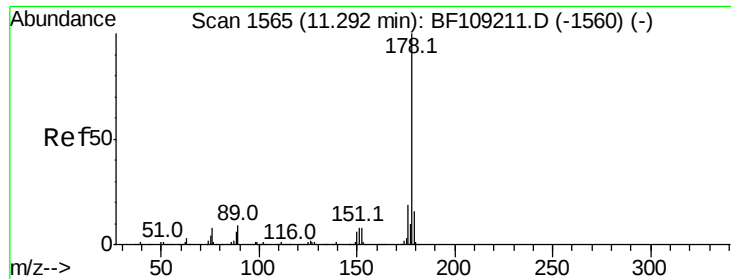
Delta R.T. -0.01 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Tgt Ion:	178	Resp:	160788
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	15.7	13.0	19.6





#71

Anthracene

Concen: 3.391 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Instrument :

BNA_F

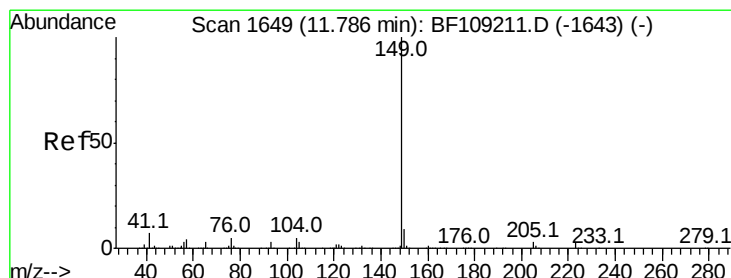
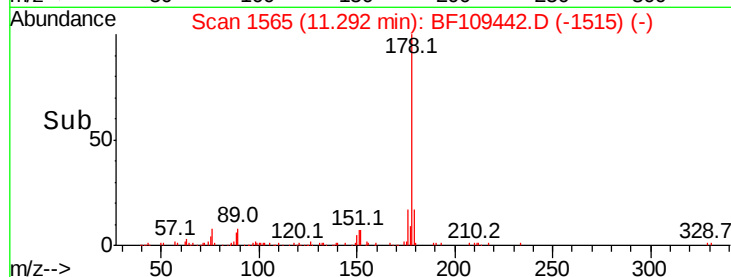
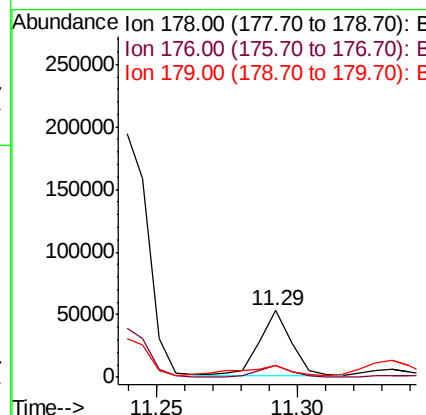
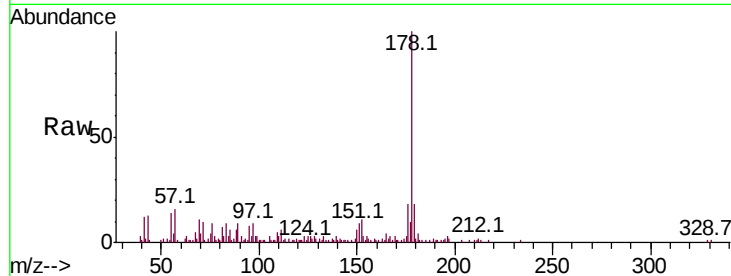
ClientSampleId :

RA-092518-USTEXC-NW-R-064

Tot Ion:	178	Resp:	40212
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.4	23.2
179	18.0	12.6	19.0

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM



#73

Di-n-butylphthalate

Concen: 2.853 ng

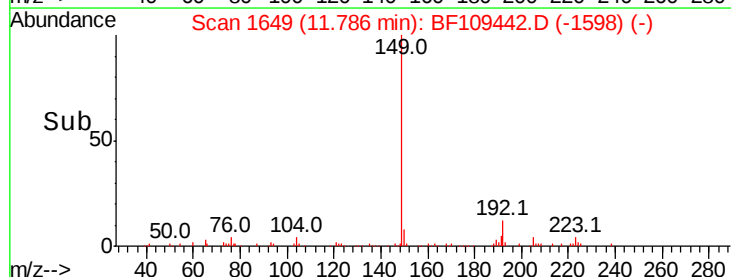
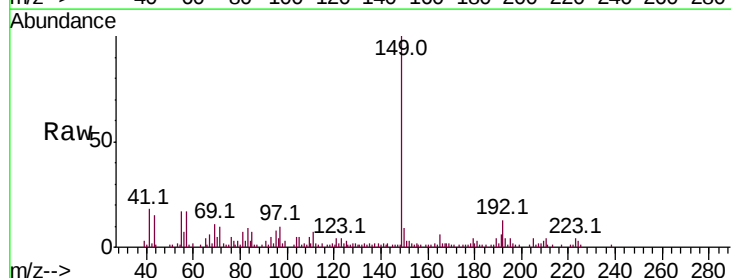
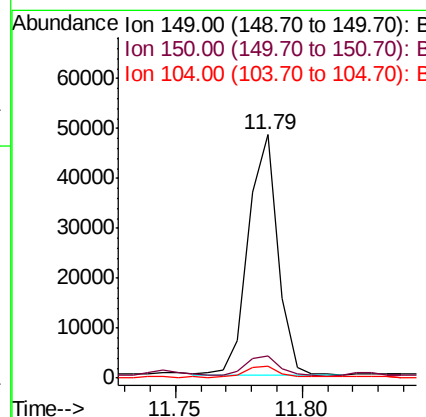
RT: 11.79 min Scan# 1649

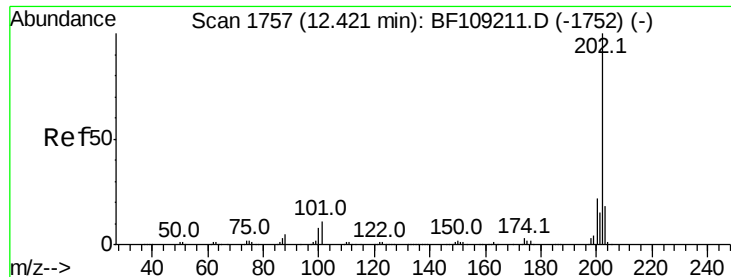
Delta R.T. 0.00 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Tgt Ion:	149	Resp:	38762
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.8	11.6
104	4.7	3.8	5.8





#74

Fluoranthene

Concen: 15.410 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Instrument :

BNA_F

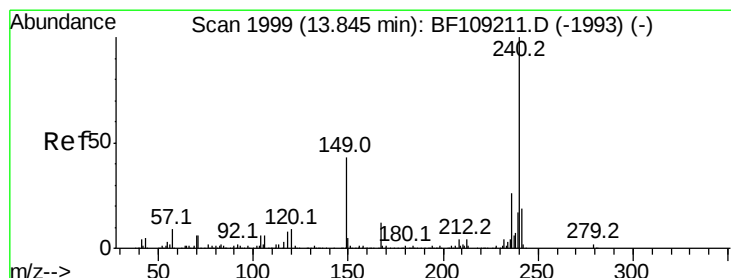
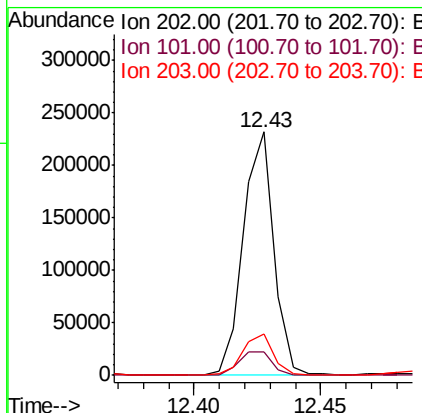
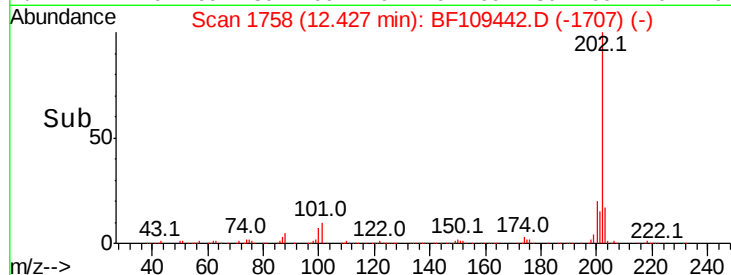
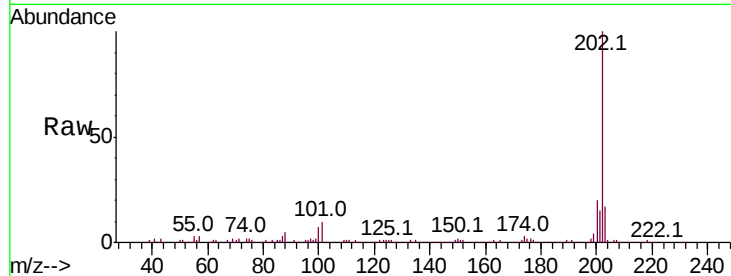
ClientSampleId :

RA-092518-USTEXC-NW-R-064

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.6	0.0	34.1
203	16.8	0.0	38.1

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM



#75

Chrysene-d12

Concen: 20.000 ng

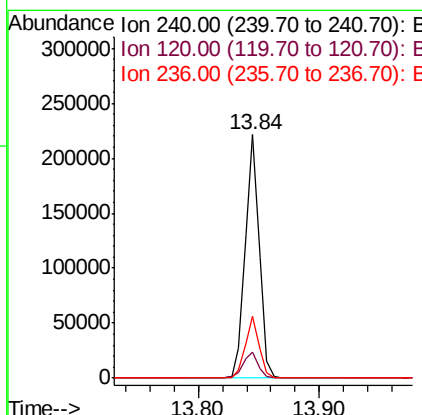
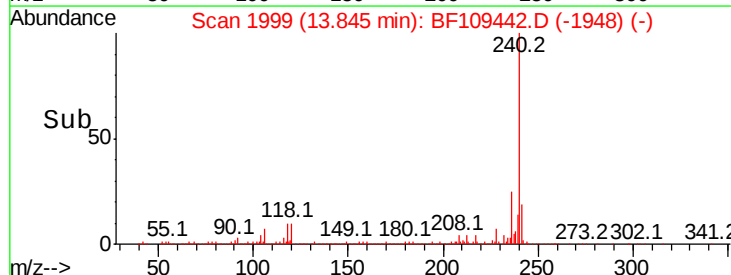
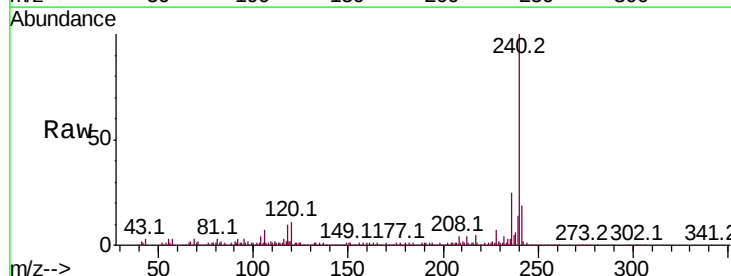
RT: 13.84 min Scan# 1999

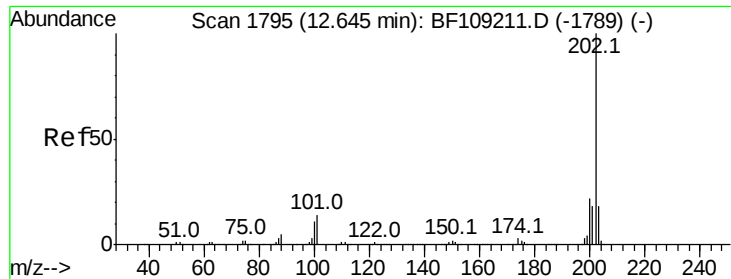
Delta R.T. 0.00 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	9.5	14.3
236	25.4	20.7	31.1





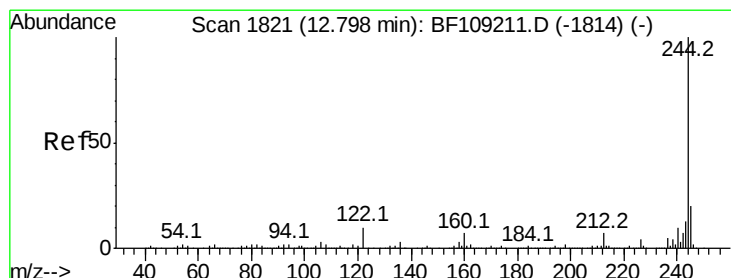
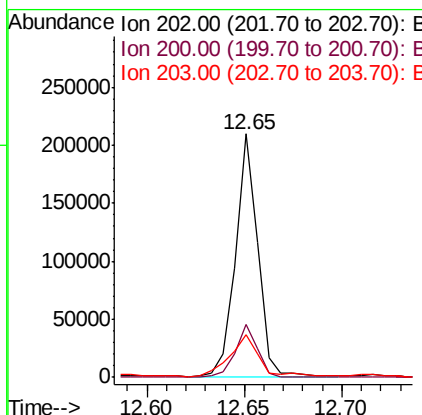
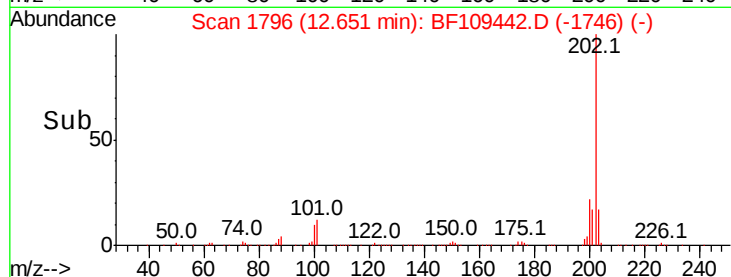
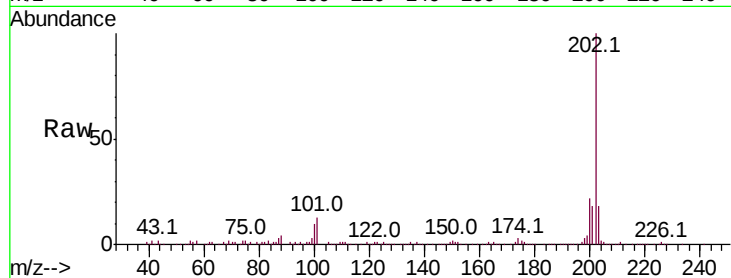
#77
Pvrene
Concen: 12.621 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-R-064

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.8	14.3	21.5

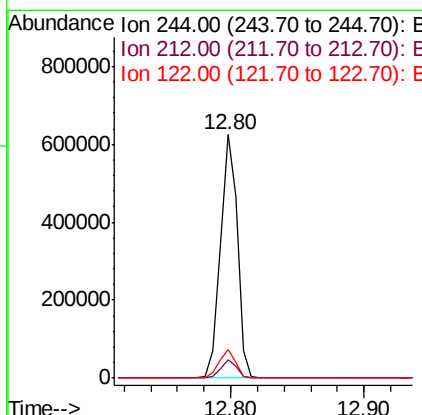
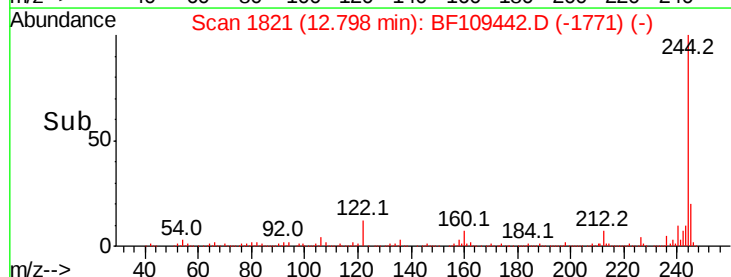
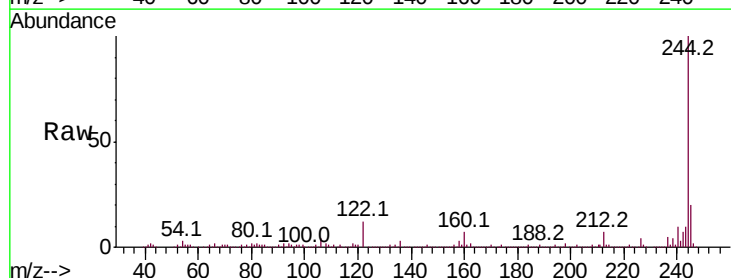
Manual Integrations
APPROVED

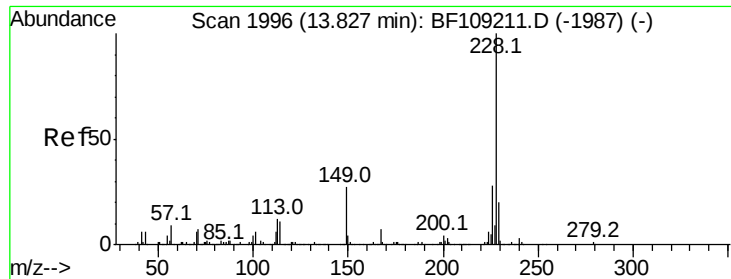
Sohil
10/1/2018 9:57:24 AM



#78
Terphenyl-d14
Concen: 76.129 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	11.8	11.0	16.4





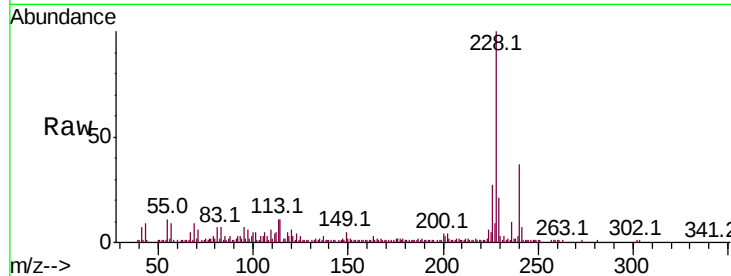
#80
Benzo(a)anthracene
Concen: 6.696 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-R-064

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	21.3	15.8	23.6

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM

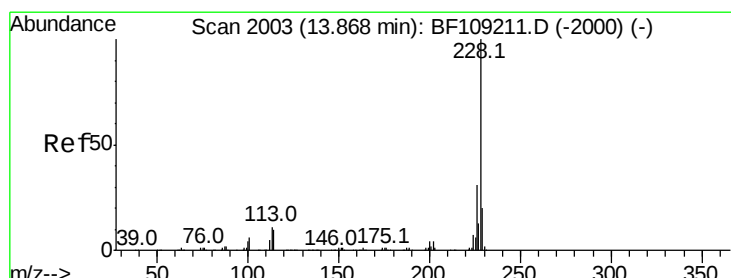
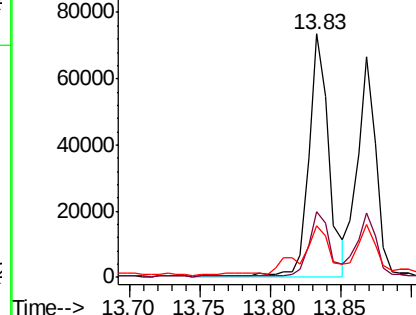
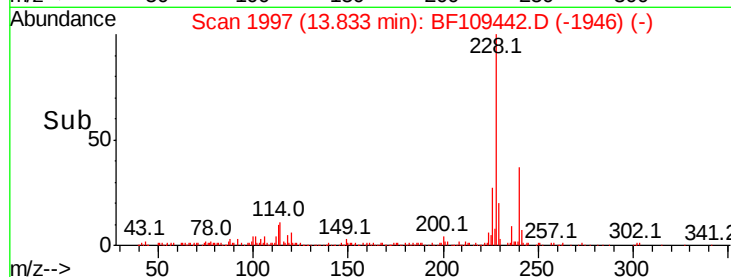


Abundance

Ion 228.00 (227.70 to 228.70): E

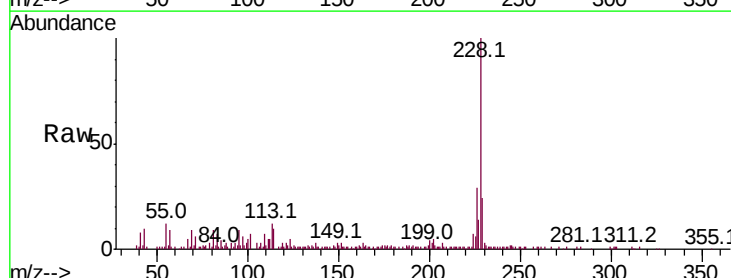
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 5.660 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	23.9	16.2	24.4

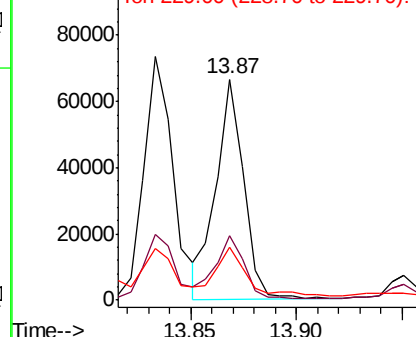
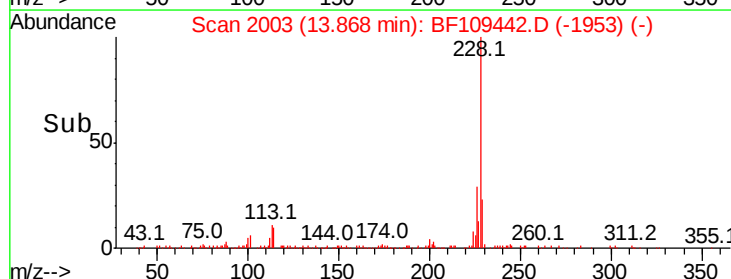


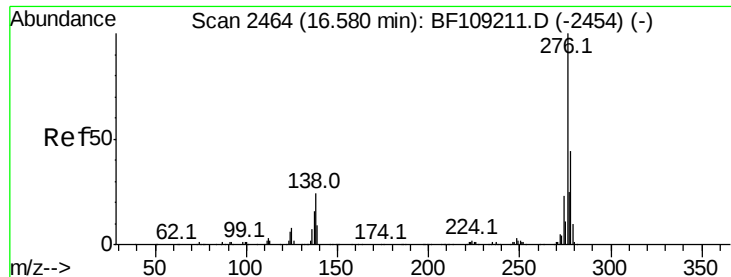
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





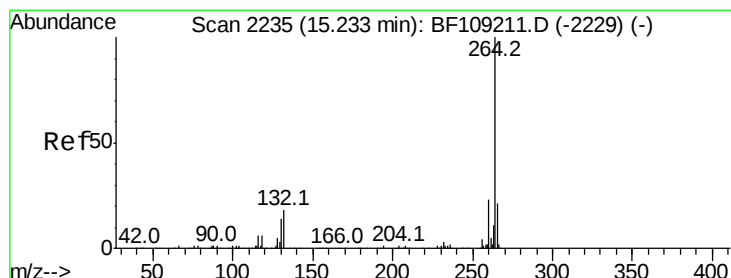
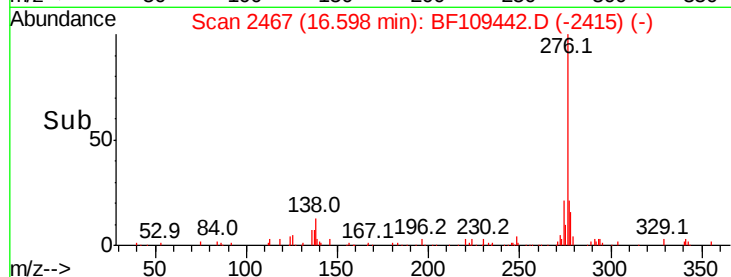
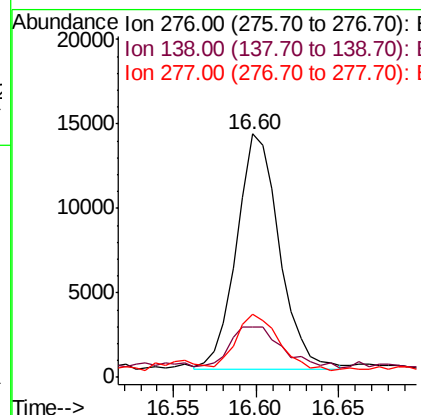
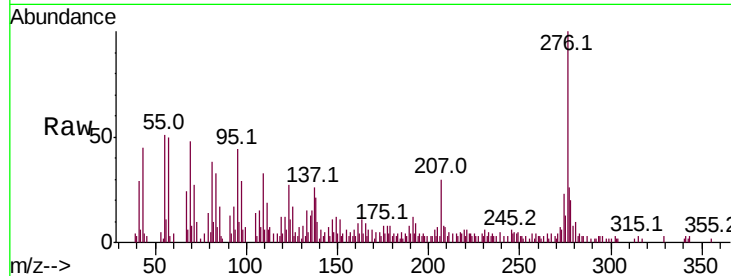
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.851 ng
RT: 16.60 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-R-064

Tot Ion	Ratio	Lower	Upper
276	100		
138	2.2	25.0	37.6#
277	1.5	20.1	30.1#

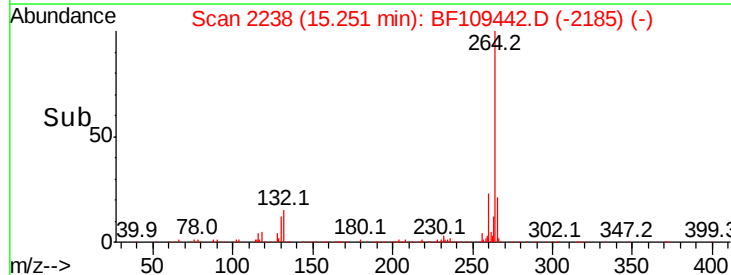
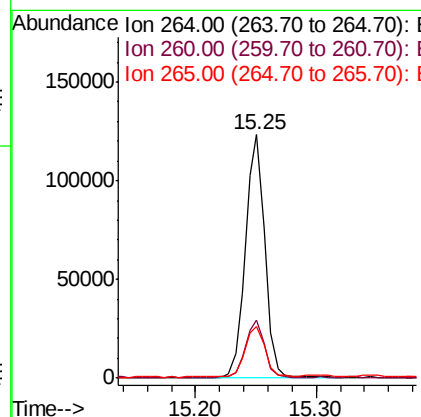
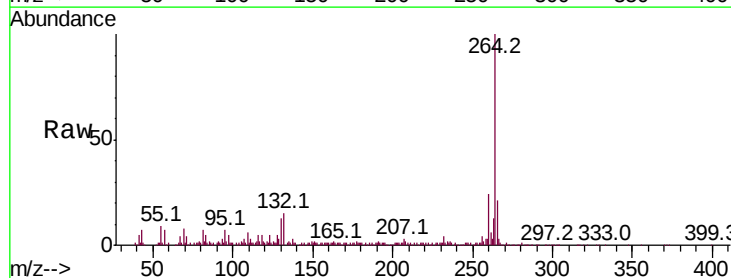
Manual Integrations
APPROVED

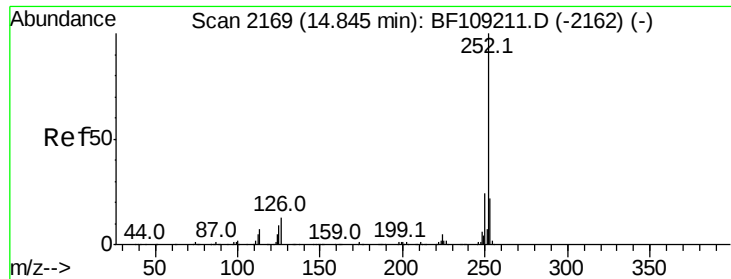
Sohil
10/1/2018 9:57:24 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.029 ng m

RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Instrument :

BNA_F

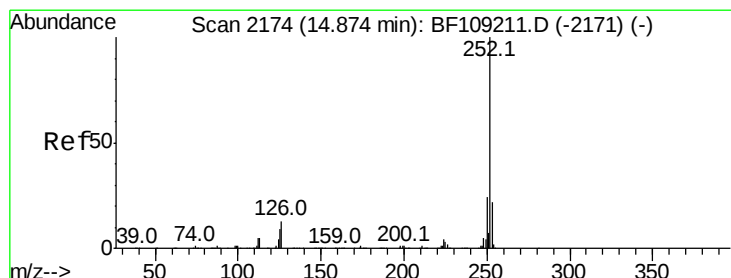
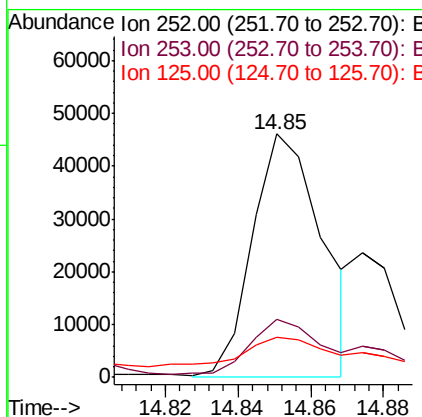
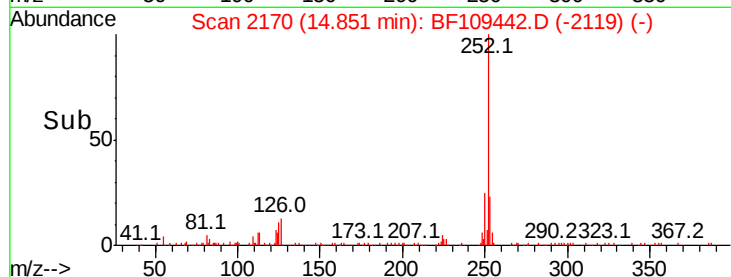
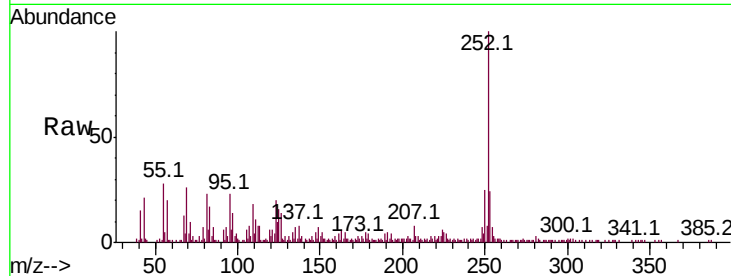
ClientSampleId :

RA-092518-USTEXC-NW-R-064

Tot Ion:	252	Resp:	61701
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.0	25.6
125	16.4	9.0	13.6#

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM



#88

Benzo(k)fluoranthene

Concen: 2.833 ng m

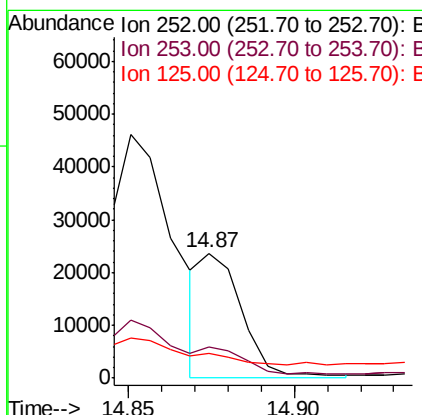
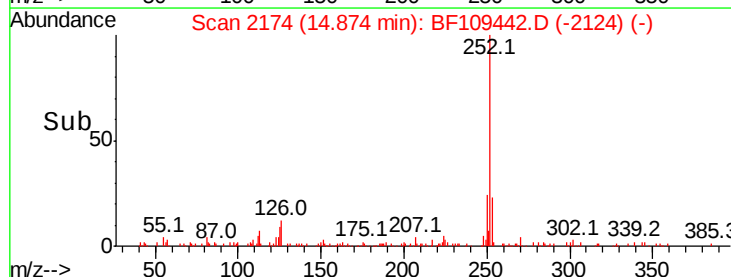
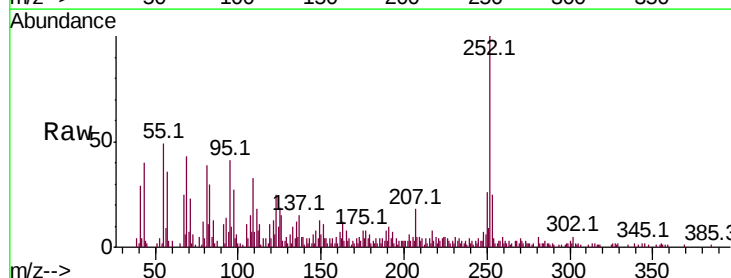
RT: 14.87 min Scan# 2174

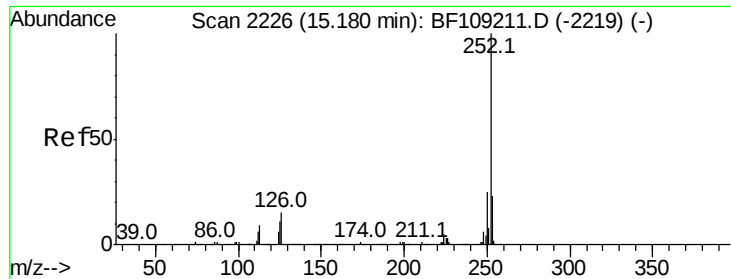
Delta R.T. -0.01 min

Lab File: BF109442.D

Acq: 28 Sep 2018 20:44

Tgt Ion:	252	Resp:	20659
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.9	26.9
125	19.4	10.2	15.2#





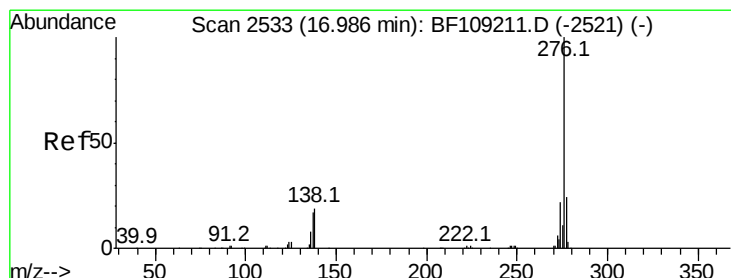
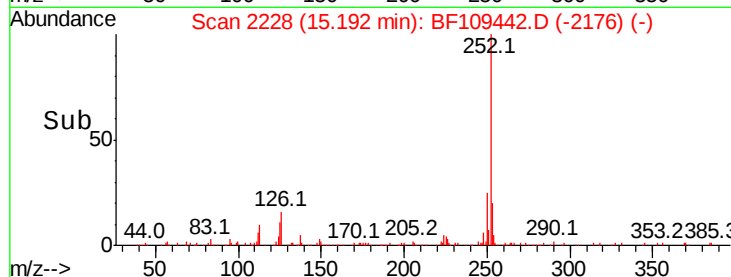
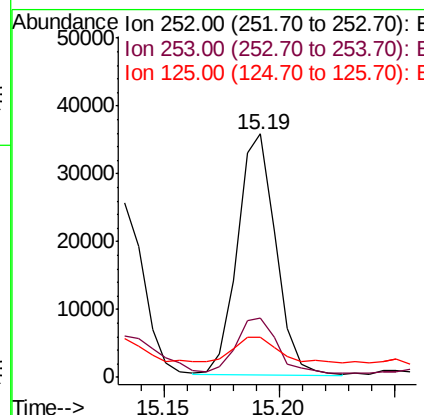
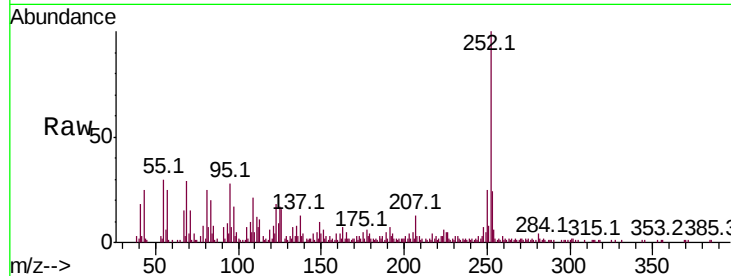
#89
Benzo(a)pyrene
Concen: 5.926 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Instrument :
BNA_F
ClientSampleId :
RA-092518-USTEXC-NW-R-064

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	16.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
10/1/2018 9:57:24 AM



#91
Benzo(g,h,i)perylene
Concen: 4.496 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF109442.D
Acq: 28 Sep 2018 20:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	27.2	21.8	32.8

