

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102995.D
 Acq On : 14 Feb 2018 17:52
 Operator : SJ/JU
 Sample : J1539-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-2-SW-(2-4)

Manual Integrations
 APPROVED

Sohil
 2/15/2018 11:06:27 AM

Quant Time: Feb 15 00:32:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	156350	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	614510	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	225988	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	306654	20.00	ng	0.00
75) Chrysene-d12	14.04	240	285347	20.00	ng	0.00
86) Perylene-d12	15.52	264	243683	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	971953	94.41	ng	0.01
7) Phenol-d6	6.50	99	1146081	92.45	ng	0.00
23) Nitrobenzene-d5	7.44	82	693982	78.34	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	144198	79.28	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	834162	61.25	ng	0.00
78) Terphenyl-d14	12.99	244	545275	45.25	ng	0.00
Target Compounds						
10) Phenol	6.52	94	39067	2.941	ng	96
49) Dimethylphthalate	9.62	163	79989	4.539	ng	99
70) Phenanthrene	11.43	178	131719	7.713	ng	99
74) Fluoranthene	12.62	202	170808	9.940	ng	98
77) Pyrene	12.84	202	161742	7.228	ng	99
80) Benzo(a)anthracene	14.03	228	91928	5.123	ng	# 96
82) Chrysene	14.07	228	92709	5.125	ng	95
85) Indeno(1,2,3-cd)pyrene	17.02	276	31918	2.127	ng	96
87) Benzo(b)fluoranthene	15.09	252	95233m	6.028	ng	
88) Benzo(k)fluoranthene	15.12	252	34445m	2.282	ng	
89) Benzo(a)pyrene	15.46	252	59728	4.200	ng	# 89
91) Benzo(a,h,i)perylene	17.47	276	28317	2.506	ng	# 92

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

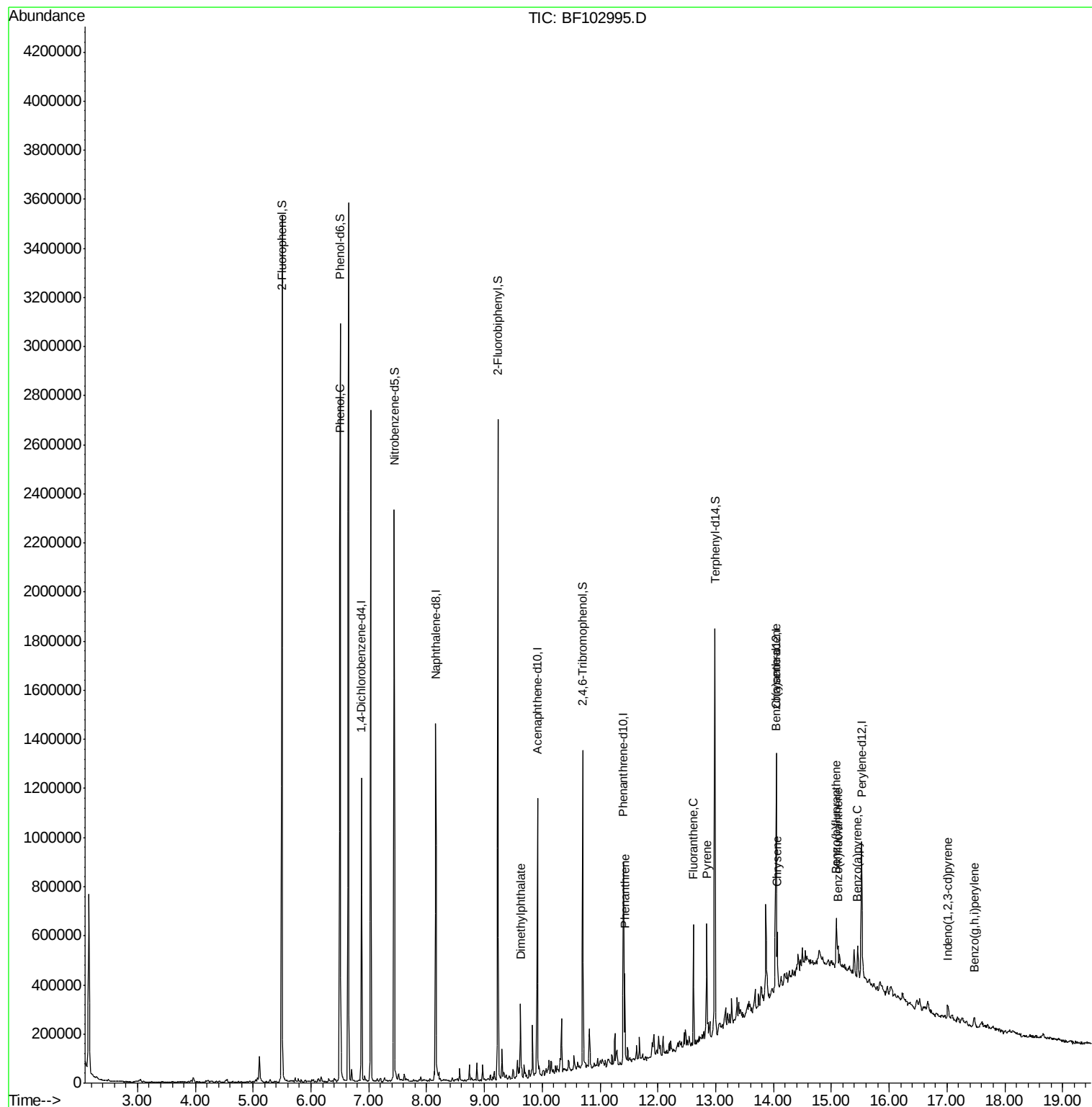
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102995.D
Acq On : 14 Feb 2018 17:52
Operator : SJ/JU
Sample : J1539-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Manual Integrations
APPROVED

Sohil
2/15/2018 11:06:27 AM

Quant Time: Feb 15 00:32:14 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 00:38:27 2018
Response via : Initial Calibration





#1

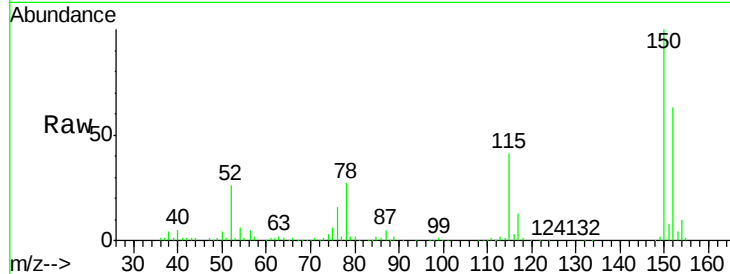
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	64.9	50.1	75.1

Manual Integrations
APPROVED

Sohil
2/15/2018 11:06:27 AM

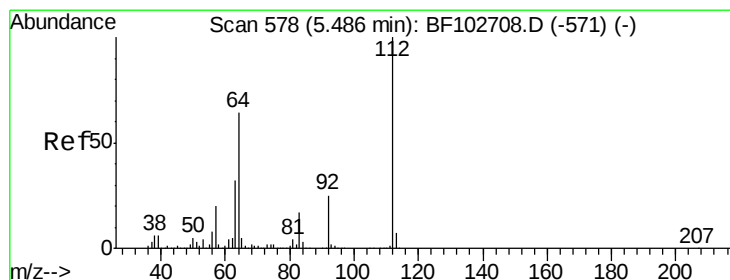
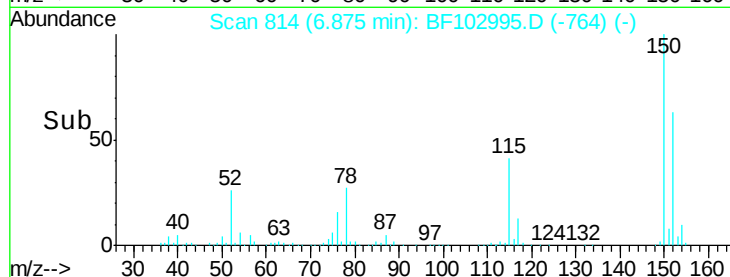
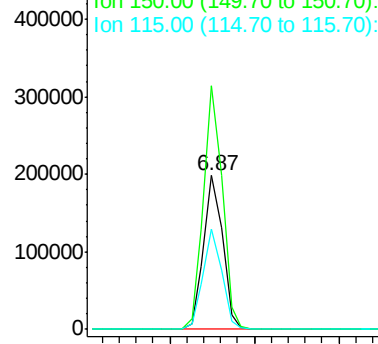


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

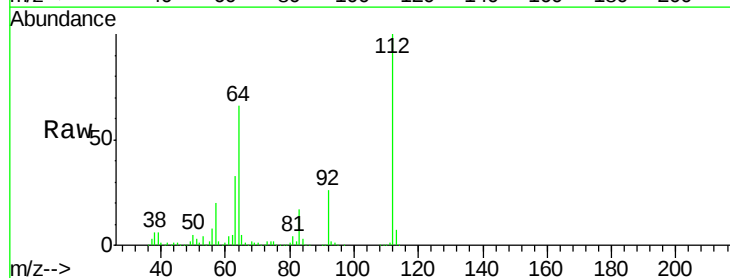
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.408 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	32.8	23.7	35.5

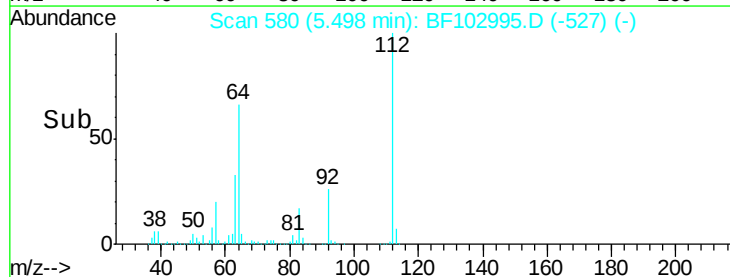
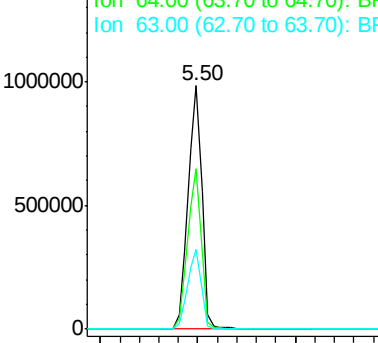


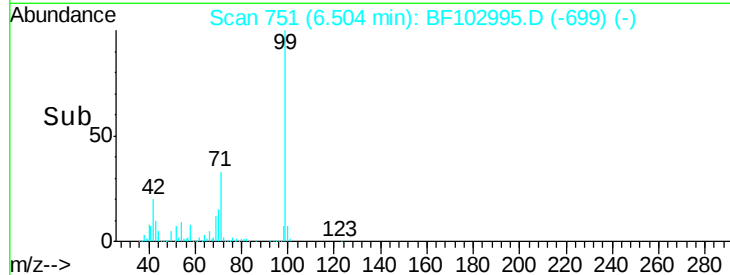
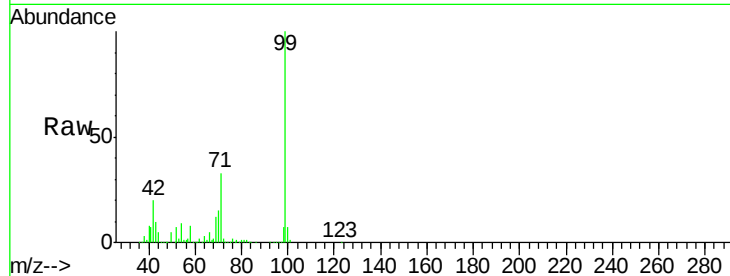
Abundance

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: 92.455 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102995.D

Acq: 14 Feb 2018 17:52

Tot Ion:	99	Resp:	1146081
Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	33.4	25.4	38.0

Instrument :

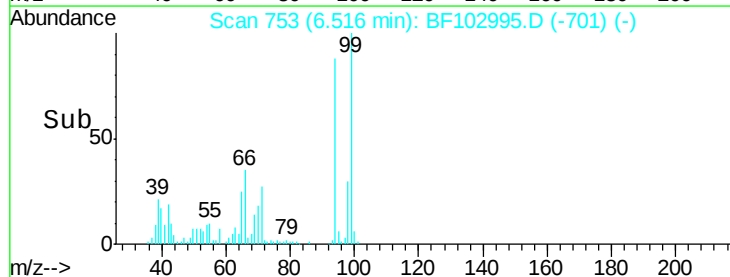
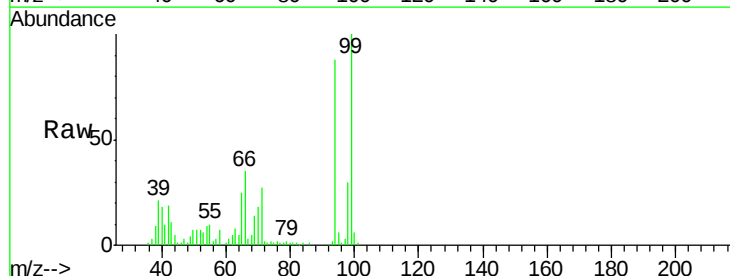
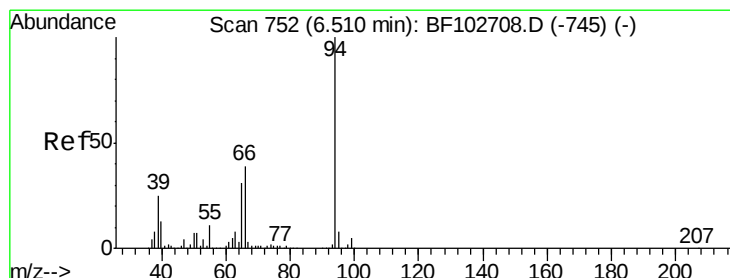
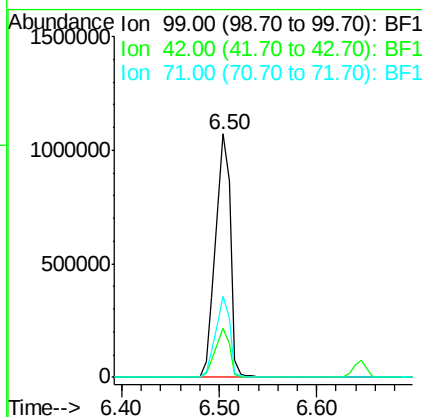
BNA_F

ClientSampleId :

4-15-TRENCH-2-SW-(2-4)

Manual Integrations
APPROVED

Sohil
2/15/2018 11:06:27 AM



#10

Phenol

Concen: 2.941 ng

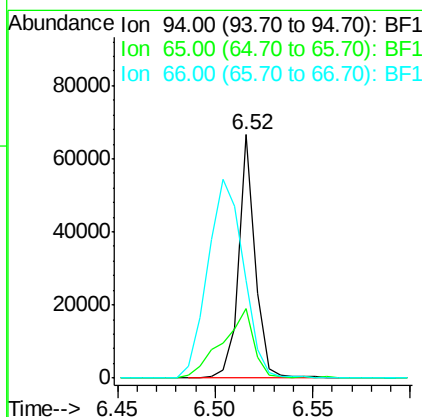
RT: 6.52 min Scan# 753

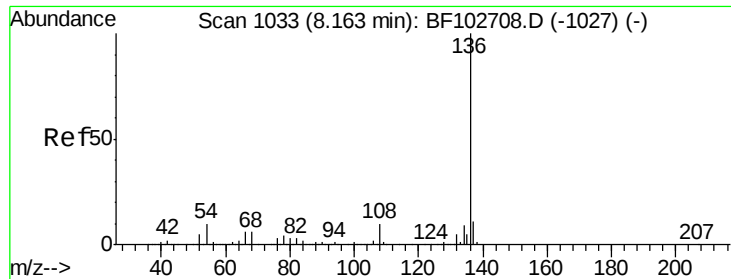
Delta R.T. 0.01 min

Lab File: BF102995.D

Acq: 14 Feb 2018 17:52

Tgt Ion:	94	Resp:	39067
Ion	Ratio	Lower	Upper
94	100		
65	28.8	7.9	47.9
66	40.1	16.2	56.2





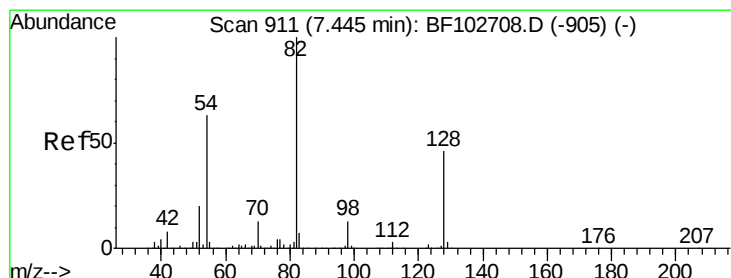
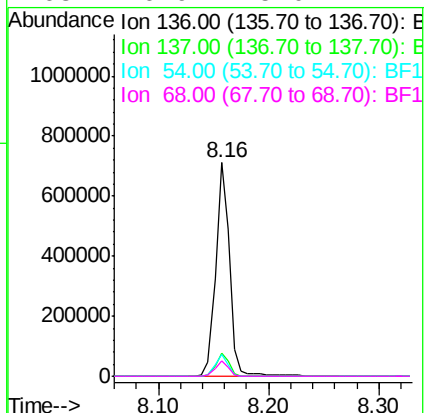
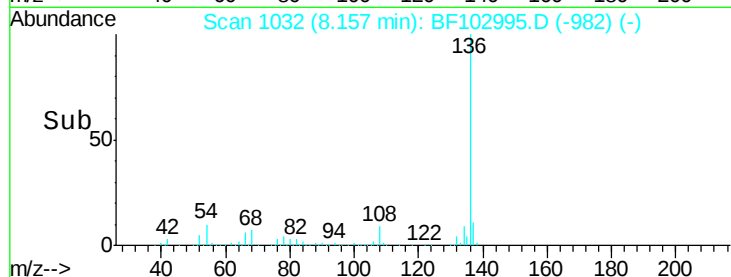
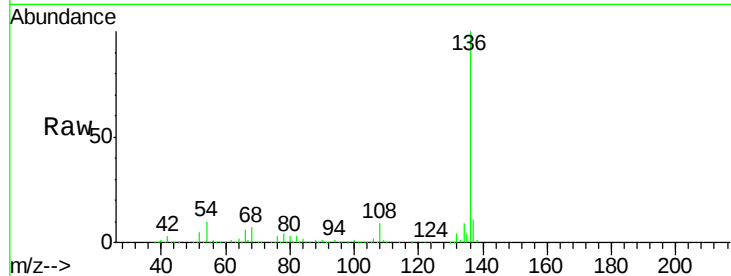
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	614510		
137	10.9	8.9	13.3	
54	10.1	6.6	9.8	
68	6.9	5.0	7.4	

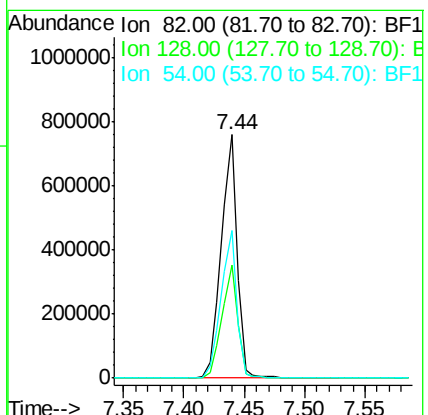
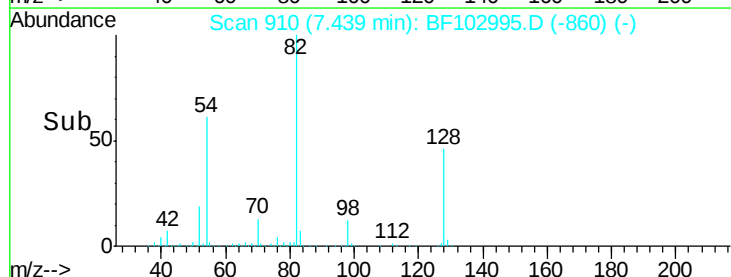
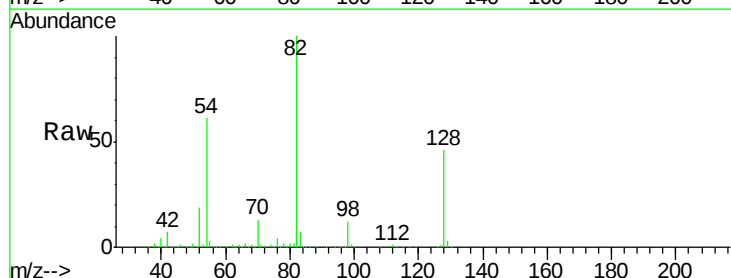
Manual Integrations
APPROVED

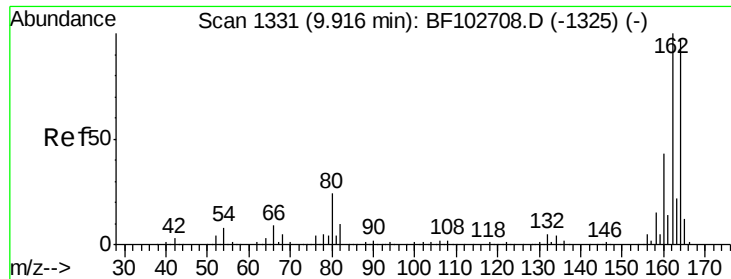
Sohil
2/15/2018 11:06:27 AM



#23
Nitrobenzene-d5
Concen: 78.342 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	693982		
128	46.4	36.1	54.1	
54	60.9	41.4	62.2	





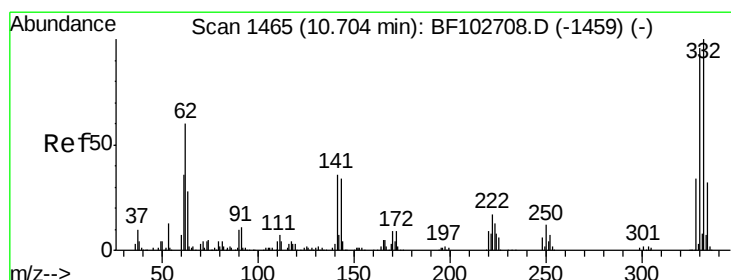
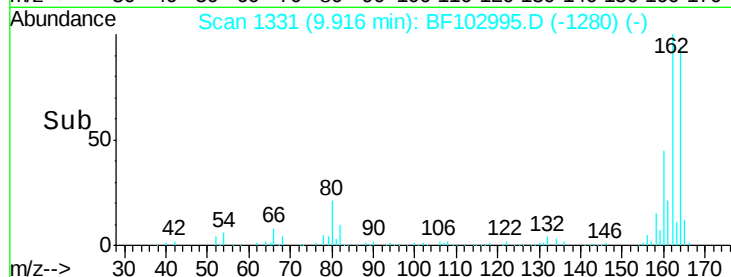
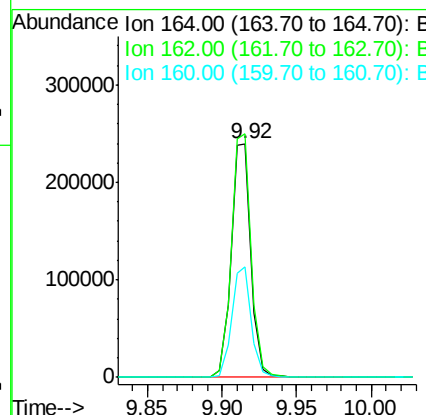
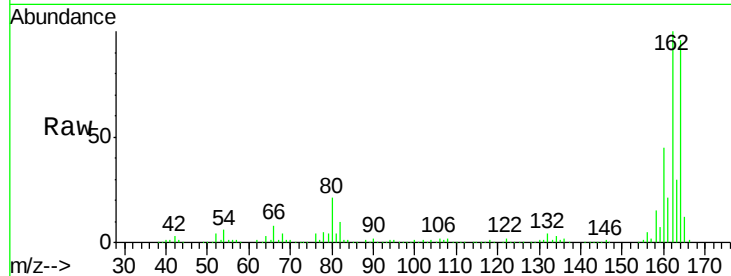
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	86.1	129.1	
160	47.2	38.3	57.5	

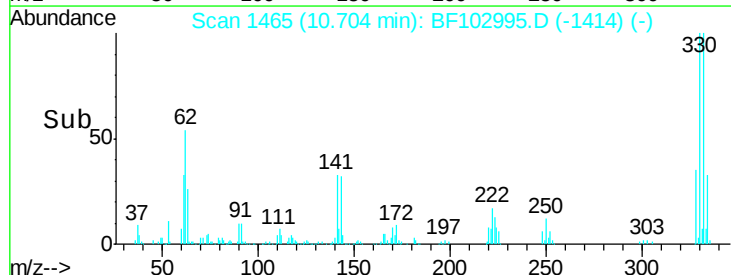
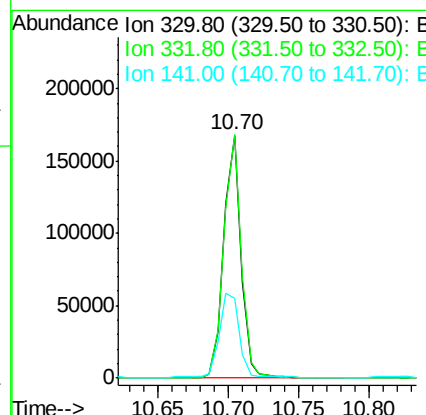
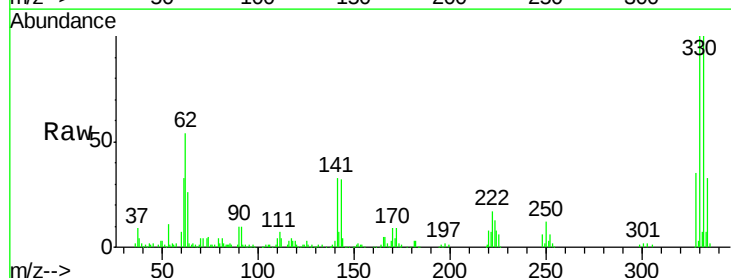
Manual Integrations
APPROVED

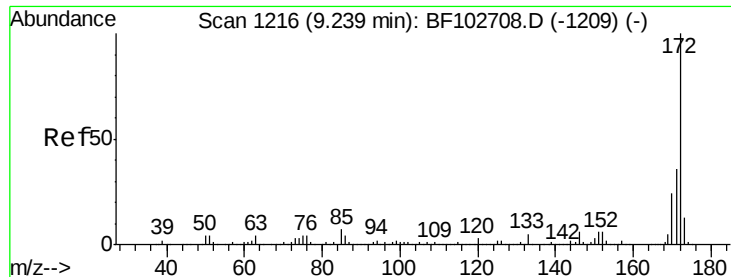
Sohil
2/15/2018 11:06:27 AM



#41
2,4,6-Tribromophenol
Concen: 79.276 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.3	77.0	115.6	
141	41.3	29.9	44.9	





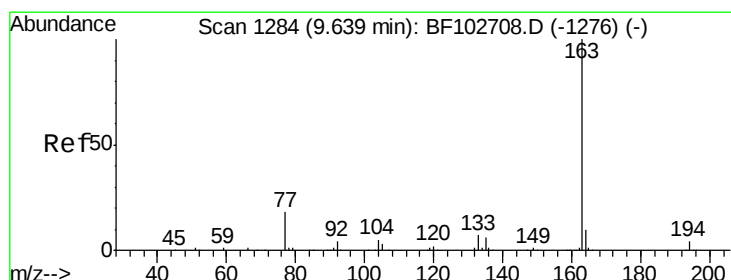
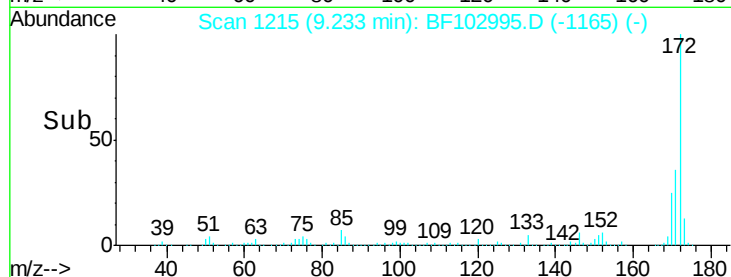
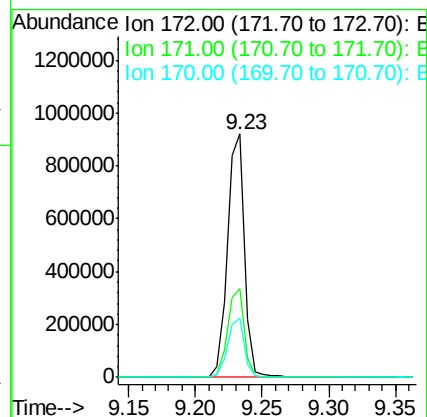
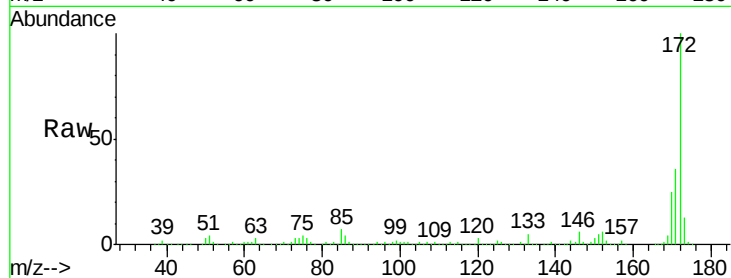
#44
2-Fluorobiphenyl
Concen: 61.250 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.6	19.6	29.4

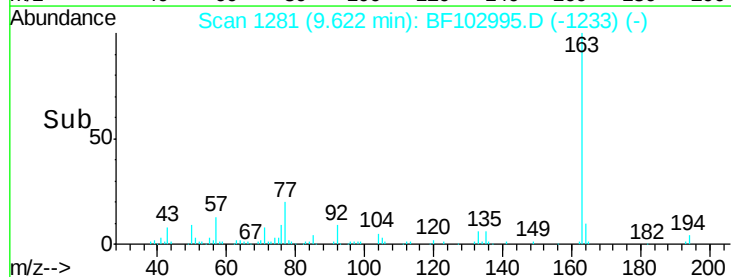
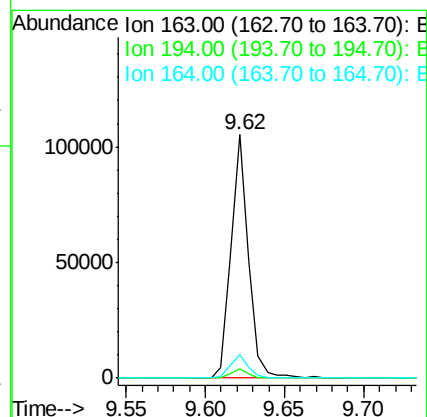
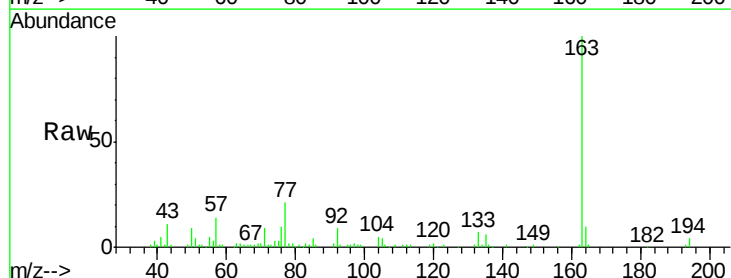
Manual Integrations
APPROVED

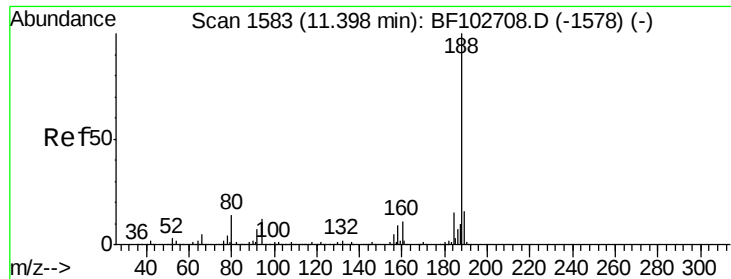
Sohil
2/15/2018 11:06:27 AM



#49
Dimethylphthalate
Concen: 4.539 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.6	8.2	12.2





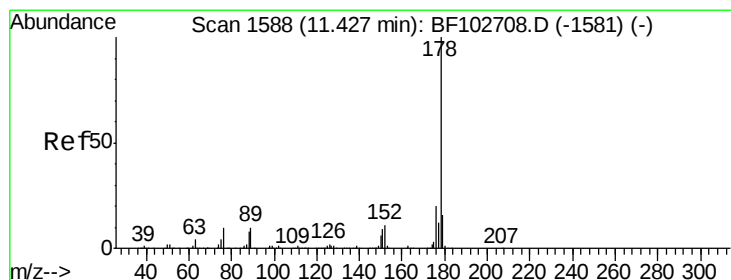
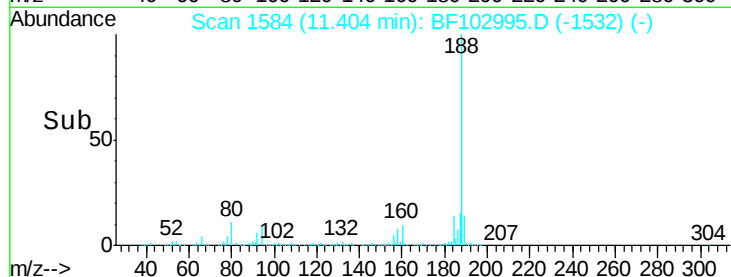
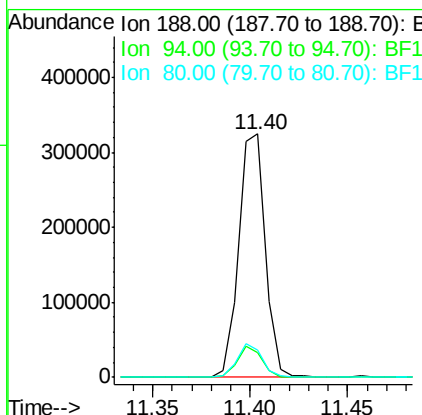
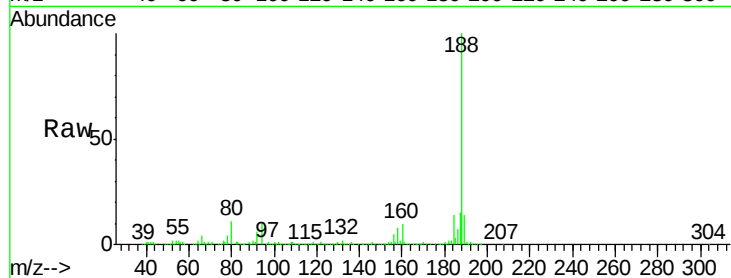
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.4	9.2	13.8

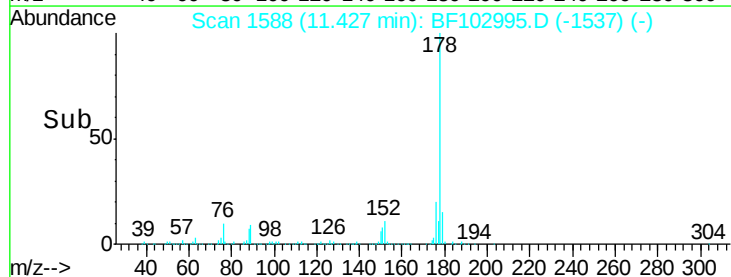
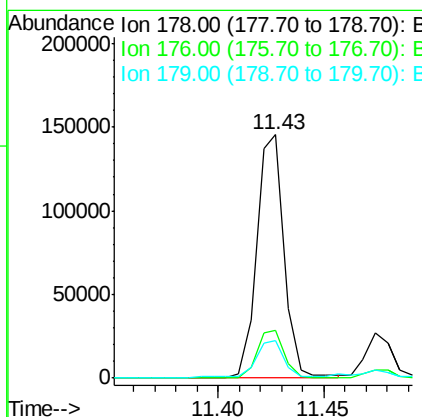
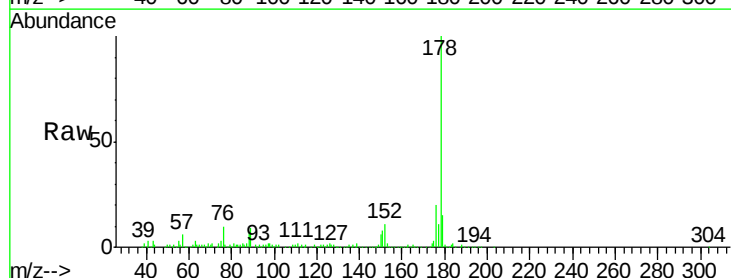
Manual Integrations
APPROVED

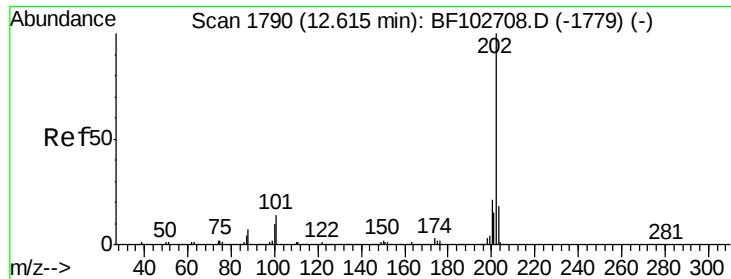
Sohil
2/15/2018 11:06:27 AM



#70
Phenanthrene
Concen: 7.713 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.5	13.0	19.6





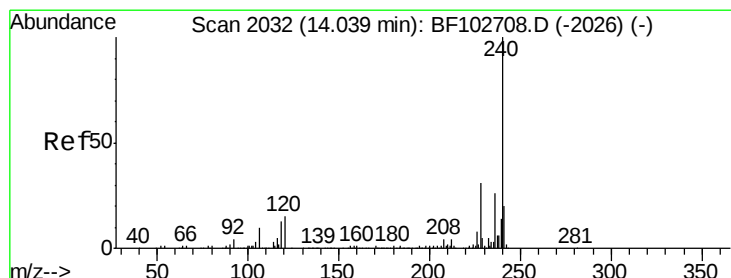
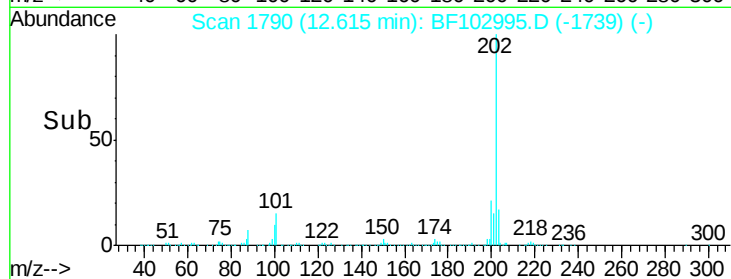
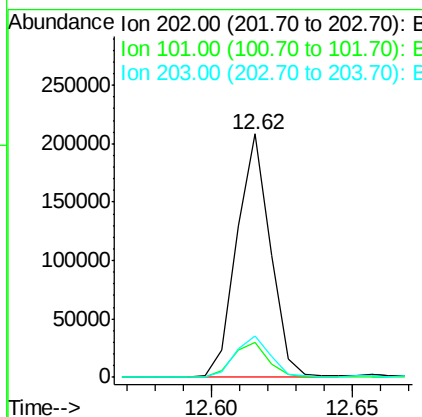
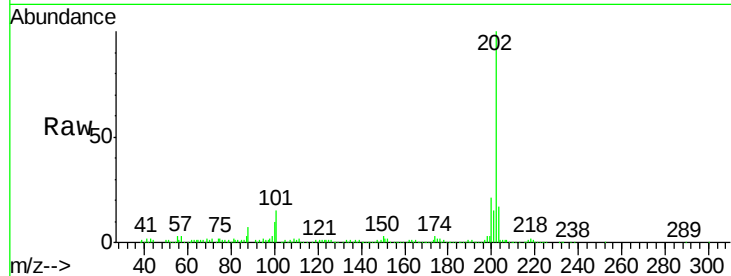
#74
Fluoranthene
Concen: 9.940 ng
RT: 12.62 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	0.0	34.1
203	16.9	0.0	38.1

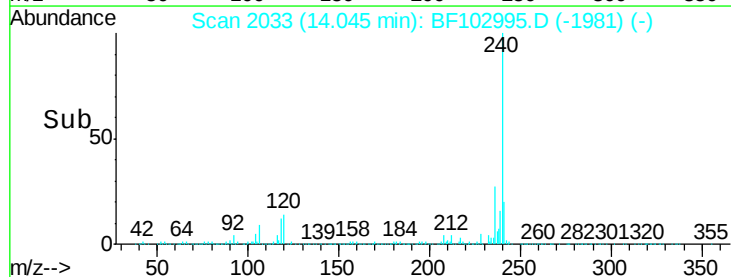
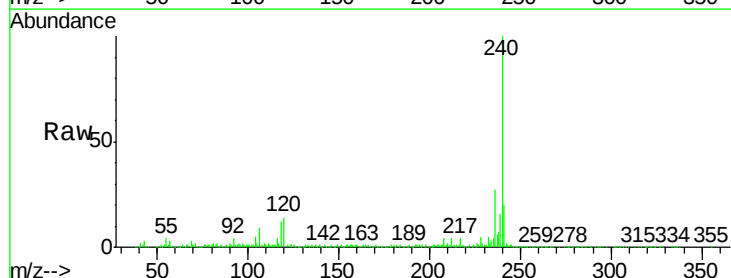
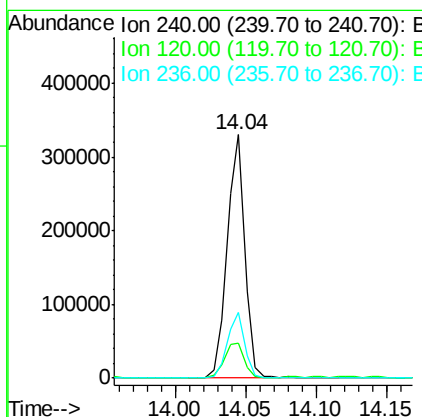
Manual Integrations
APPROVED

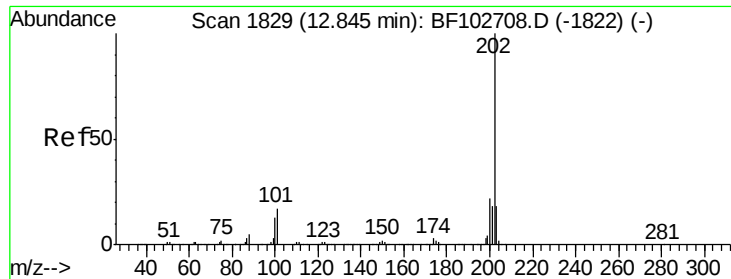
Sohil
2/15/2018 11:06:27 AM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.2	9.5	14.3
236	26.8	20.7	31.1





#77

Pvrene

Concen: 7.228 ng

RT: 12.84 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BF102995.D

Acq: 14 Feb 2018 17:52

Instrument :

BNA_F

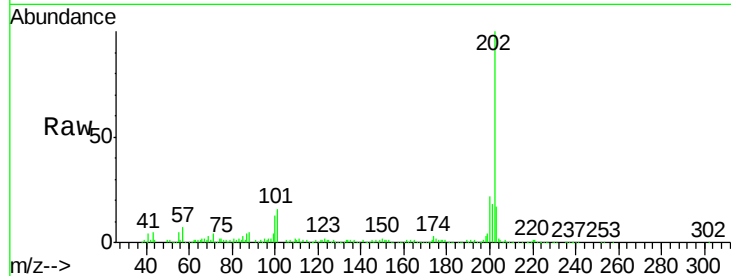
ClientSampleId :

4-15-TRENCH-2-SW-(2-4)

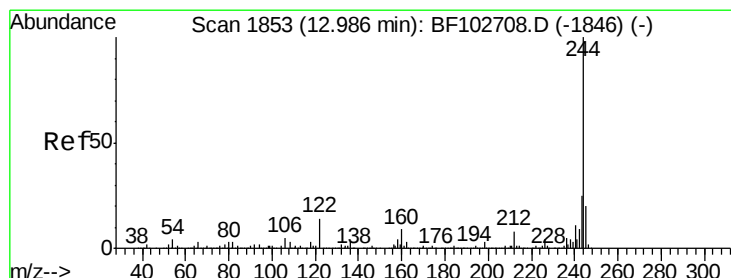
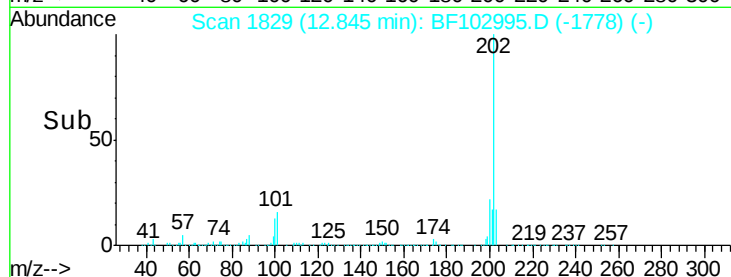
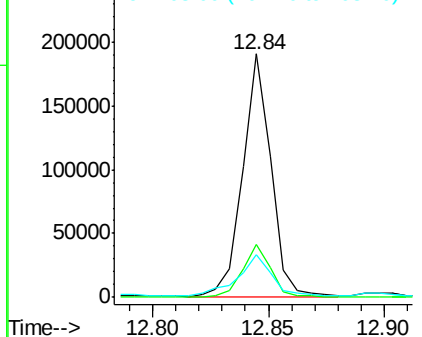
Tot Ion:	202	Resp:	161742
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.3	14.3	21.5

Manual Integrations
APPROVED

Sohil
2/15/2018 11:06:27 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 45.246 ng

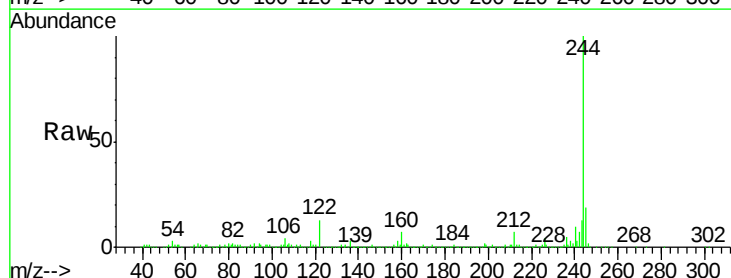
RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

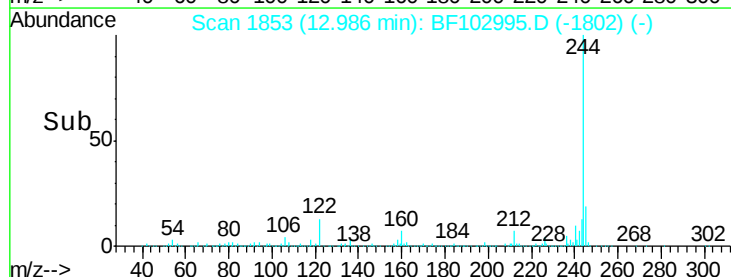
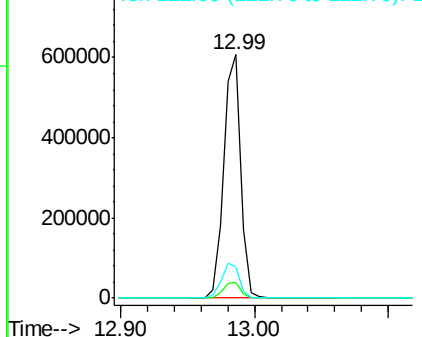
Lab File: BF102995.D

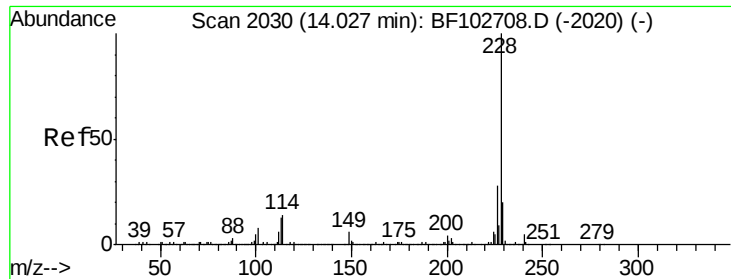
Acq: 14 Feb 2018 17:52

Tgt Ion:	244	Resp:	545275
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.8	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





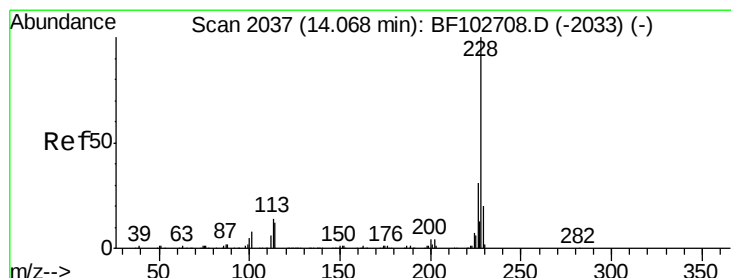
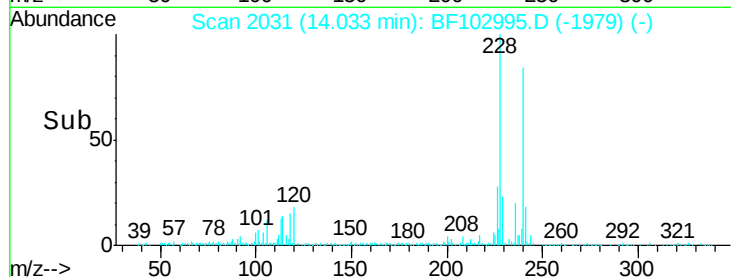
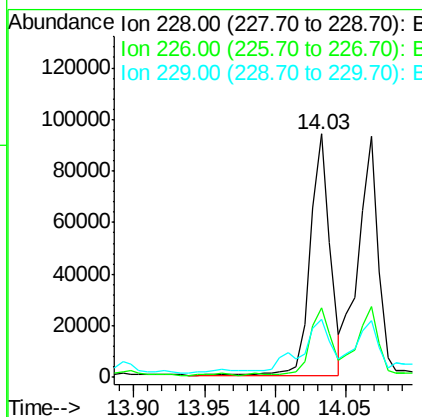
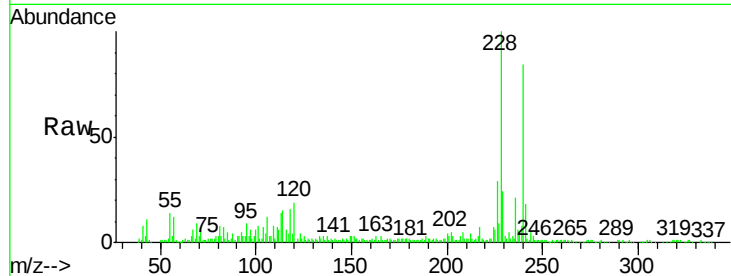
#80
Benzo(a)anthracene
Concen: 5.123 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	23.8	15.8	23.6

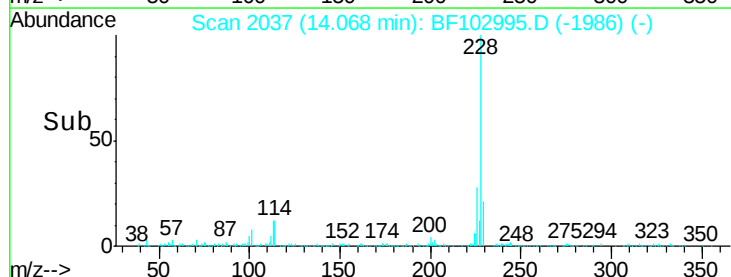
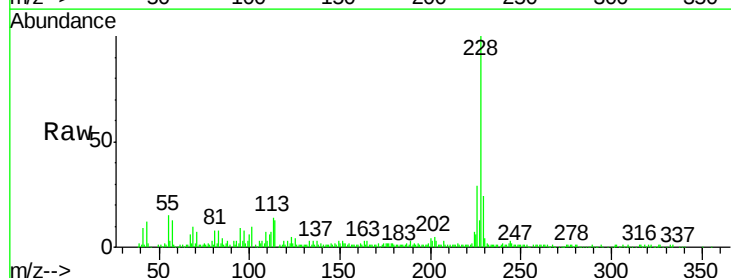
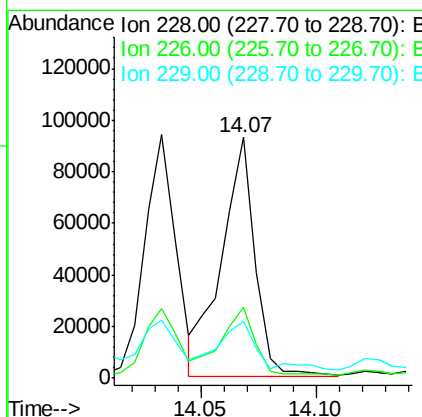
Manual Integrations
APPROVED

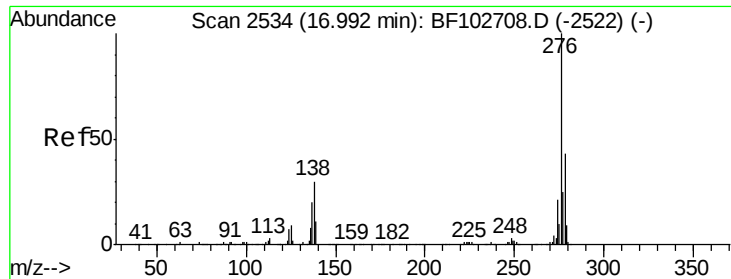
Sohil
2/15/2018 11:06:27 AM



#82
Chrysene
Concen: 5.125 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.00 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	23.8	16.2	24.4





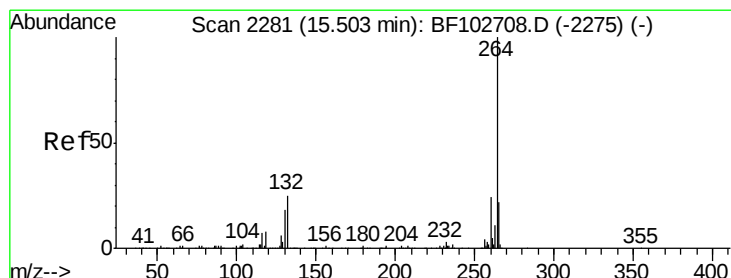
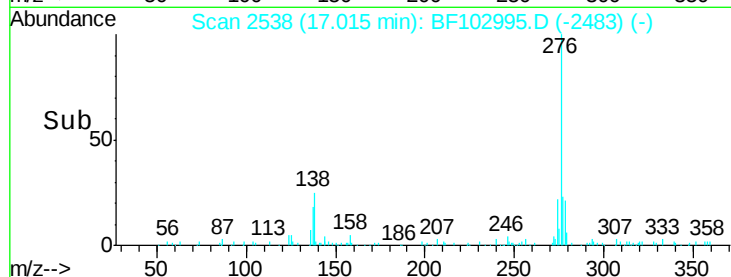
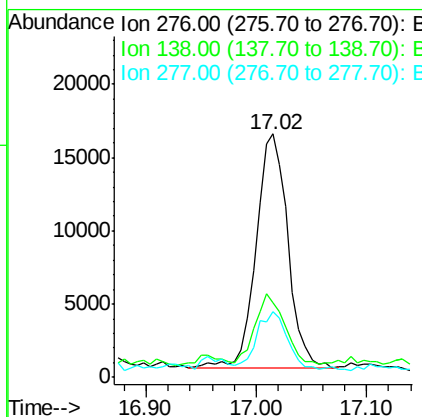
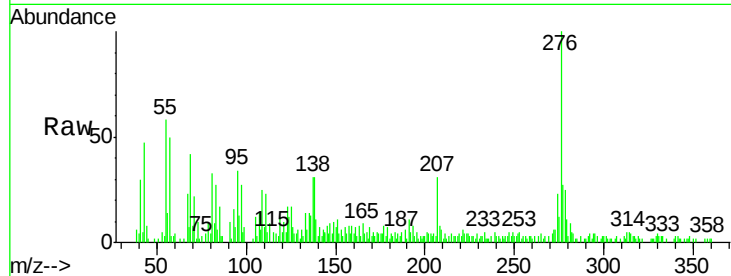
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.127 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.02 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	23.9	20.1	30.1

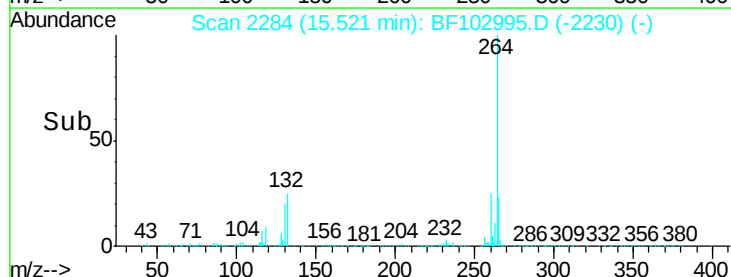
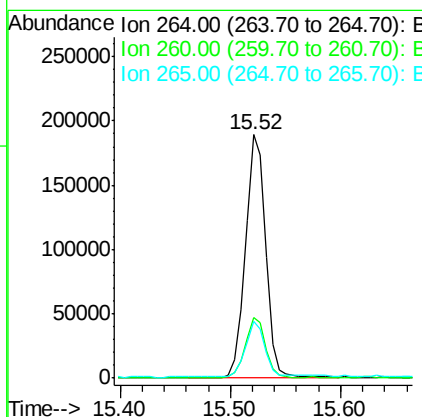
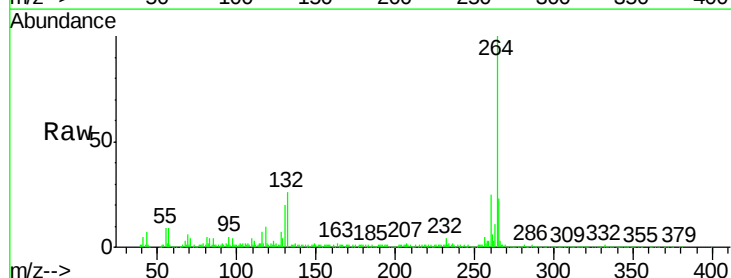
Manual Integrations
APPROVED

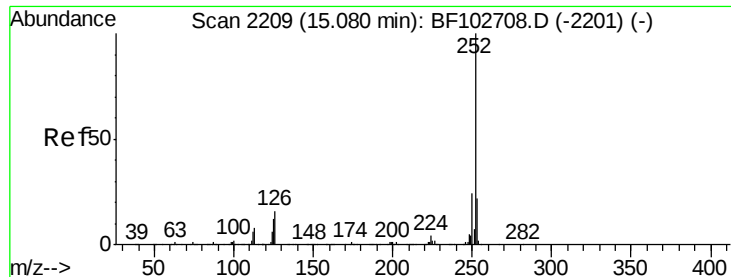
Sohil
2/15/2018 11:06:27 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.02 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	23.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.028 ng m

RT: 15.09 min Scan# 2210

Delta R.T. 0.01 min

Lab File: BF102995.D

Acq: 14 Feb 2018 17:52

Instrument :

BNA_F

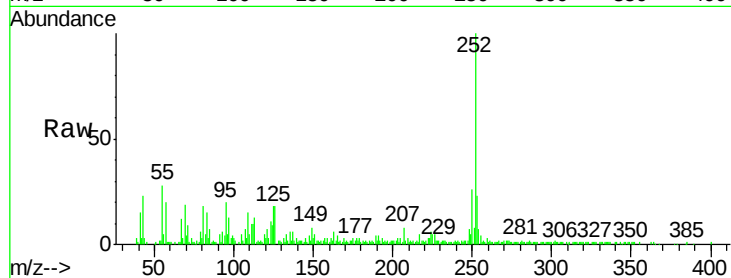
ClientSampleId :

4-15-TRENCH-2-SW-(2-4)

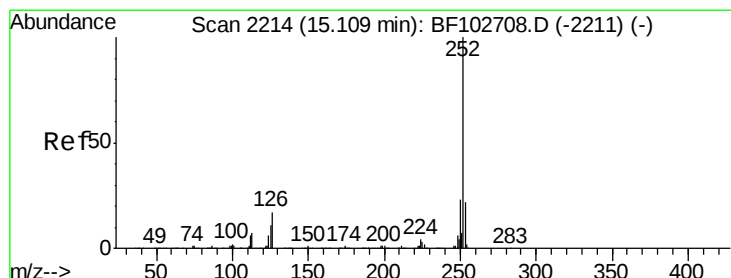
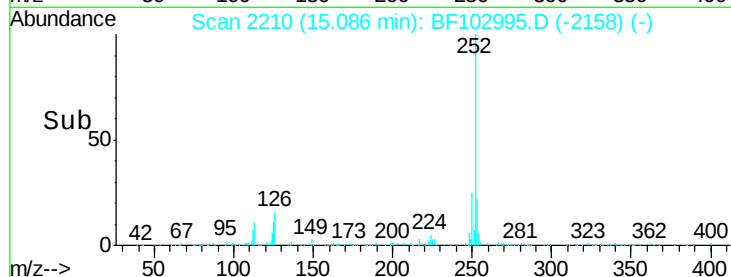
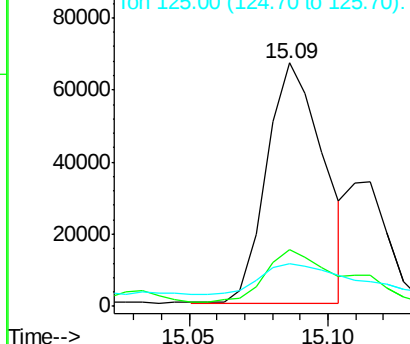
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	17.7	9.0	13.6

Manual Integrations
APPROVED

Sohil
2/15/2018 11:06:27 AM



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



#88

Benzo(k)fluoranthene

Concen: 2.282 ng m

RT: 15.12 min Scan# 2215

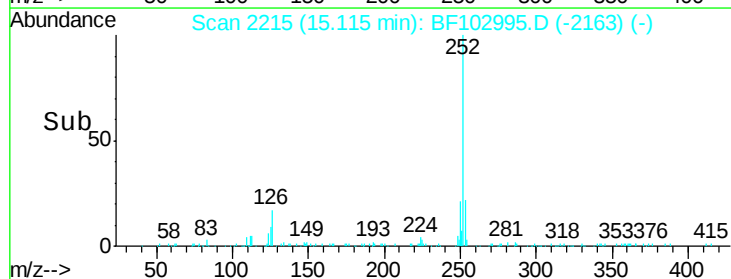
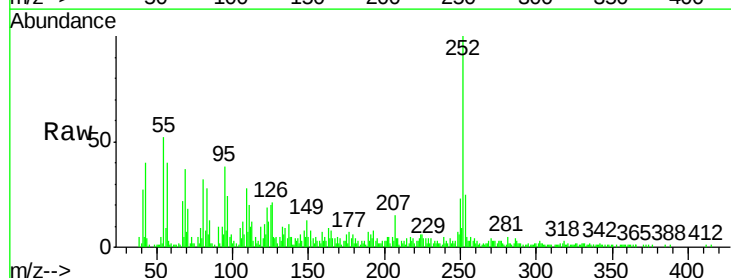
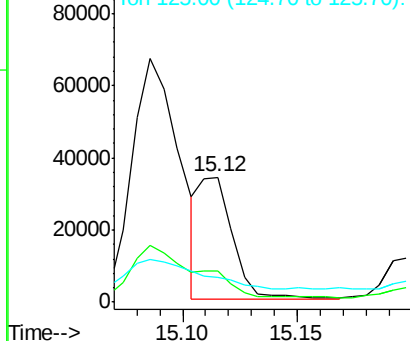
Delta R.T. 0.01 min

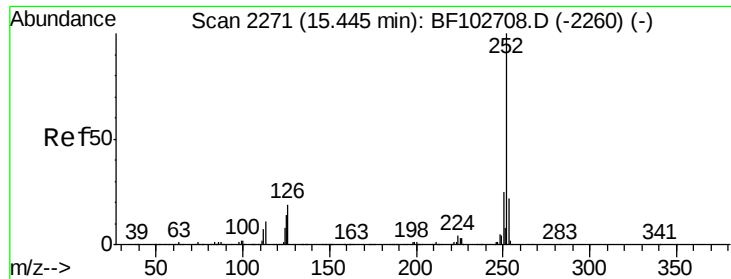
Lab File: BF102995.D

Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	19.8	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





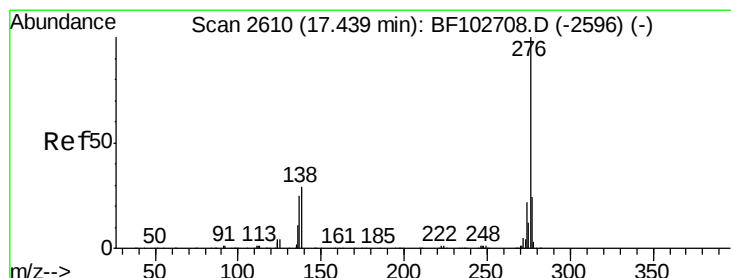
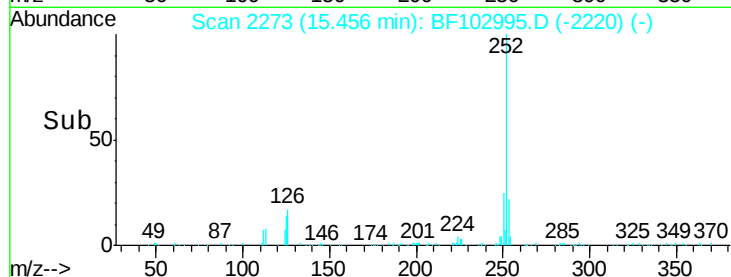
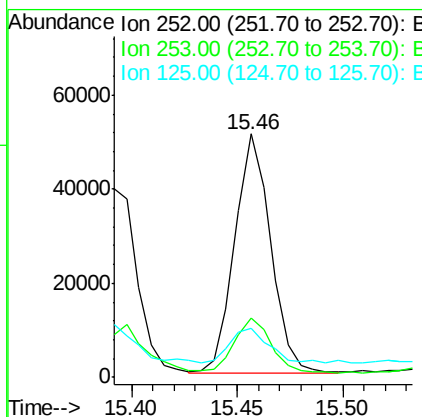
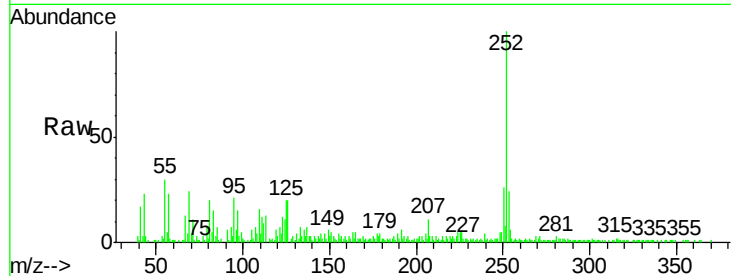
#89
Benzo(a)pyrene
Concen: 4.200 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-SW-(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	20.3	9.8	14.6

Manual Integrations
APPROVED

Sohil
2/15/2018 11:06:27 AM



#91
Benzo(g,h,i)perylene
Concen: 2.506 ng
RT: 17.47 min Scan# 2615
Delta R.T. 0.03 min
Lab File: BF102995.D
Acq: 14 Feb 2018 17:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	33.5	21.8	32.8

