

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107375.D
 Acq On : 13 Jul 2018 18:48
 Operator : JU/SJ
 Sample : J3944-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-COMP

Manual Integrations
 APPROVED

Sohil
 7/16/2018 3:22:35 PM

Quant Time: Jul 16 11:18:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 11:54:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	43897	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	148214	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	72454	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	148381	20.00	ng	0.00
75) Chrysene-d12	14.14	240	133728	20.00	ng	0.00
86) Perylene-d12	15.68	264	101692	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	239021	92.20	ng	0.00
7) Phenol-d6	6.58	99	272613	84.21	ng	0.00
23) Nitrobenzene-d5	7.50	82	159939	59.97	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	78226	93.15	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	264436	56.90	ng	0.00
78) Terphenyl-d14	13.06	244	348984	63.21	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.93	142	16259	3.540	ng	92
49) Dimethylphthalate	9.68	163	41102	7.564	ng	98
51) Acenaphthene	10.01	154	17991	3.981	ng	96
54) Dibenzofuran	10.18	168	17977	2.905	ng	# 92
57) Fluorene	10.53	166	22422	4.567	ng	# 97
70) Phenanthrene	11.50	178	331242	46.284	ng	99
71) Anthracene	11.55	178	69405	9.501	ng	98
72) Carbazole	11.71	167	23182	3.390	ng	96
74) Fluoranthene	12.70	202	450763	57.144	ng	96
77) Pyrene	12.94	202	370122	41.971	ng	99
80) Benzo(a)anthracene	14.13	228	186906	22.932	ng	99
82) Chrysene	14.17	228	185910m	24.794	ng	
83) Bis(2-ethylhexyl)phthalate	14.08	149	24711	5.331	ng	# 91
85) Indeno(1,2,3-cd)pyrene	17.27	276	62778m	9.866	ng	
87) Benzo(b)fluoranthene	15.22	252	182568m	28.901	ng	
88) Benzo(k)fluoranthene	15.25	252	43367m	7.209	ng	
89) Benzo(a)pyrene	15.61	252	99501	17.718	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	17782	3.736	ng	# 90
91) Benzo(a,h,i)perylene	17.76	276	61484	13.217	ng	# 90

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

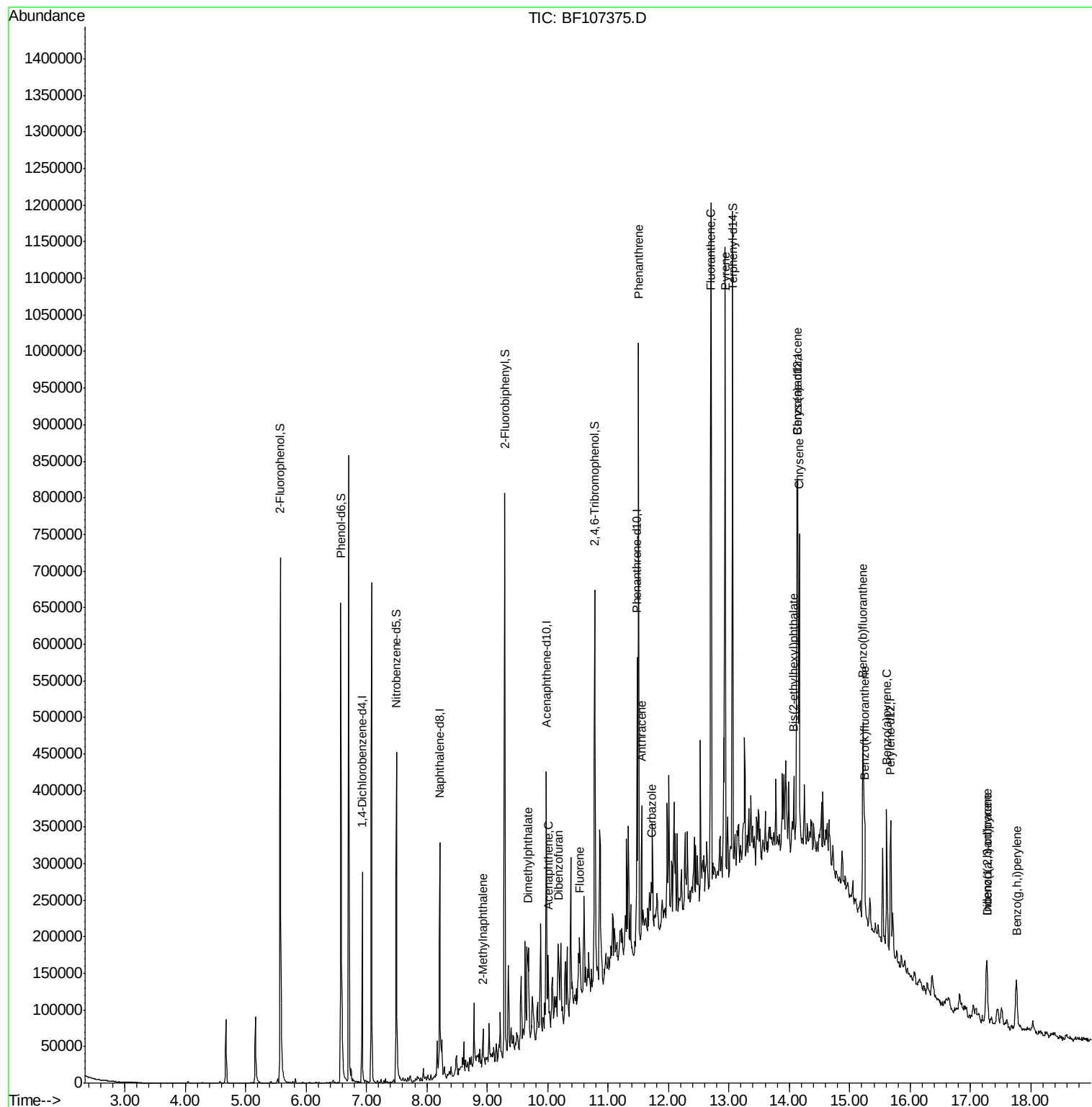
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107375.D
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ALS Vial : 22 Sample Multiplier: 1

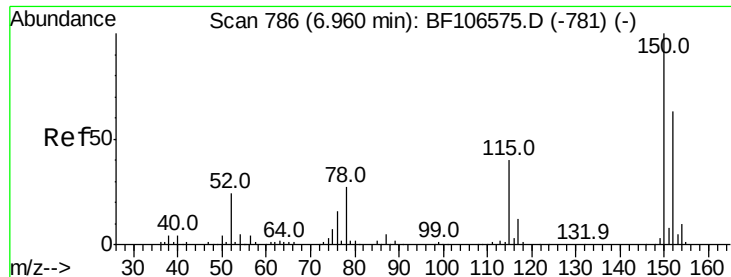
Instrument :
BNA_F
ClientSampleId :
FOUNDRY-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

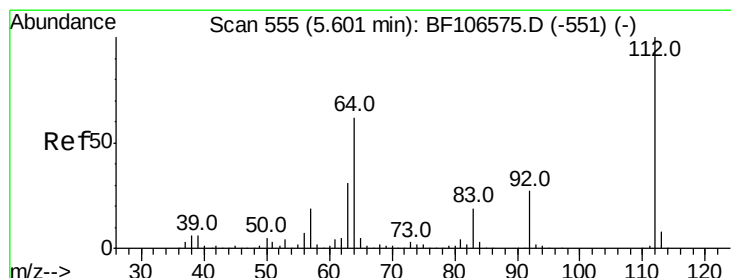
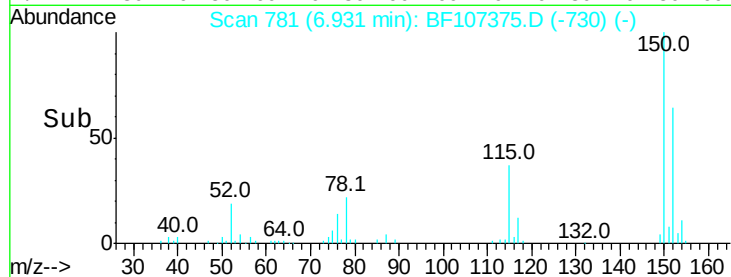
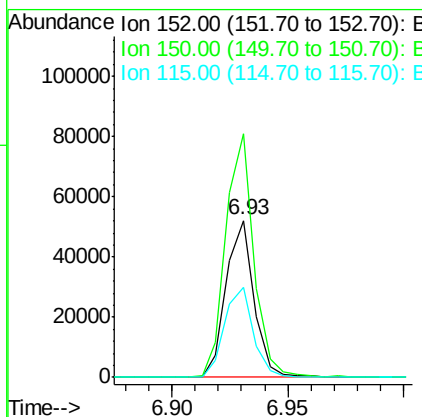
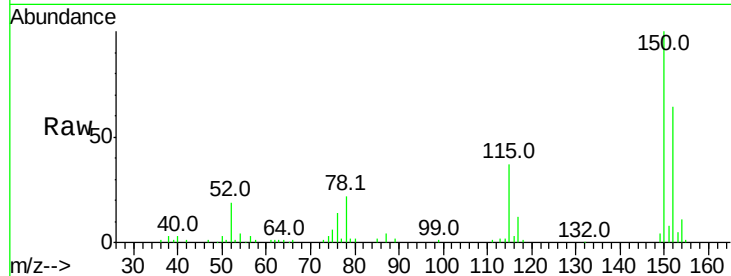
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	57.2	50.1	75.1

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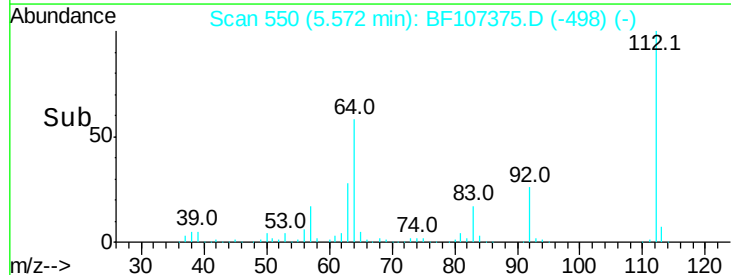
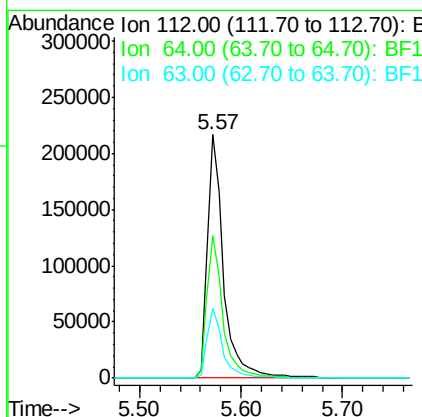
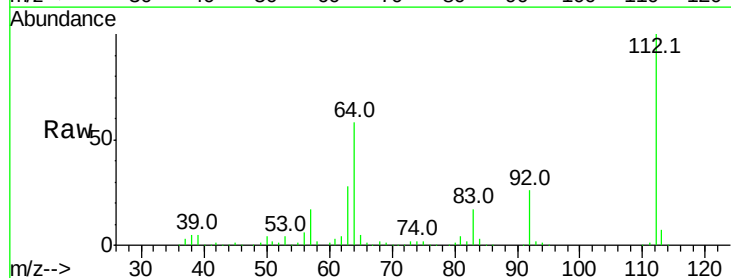
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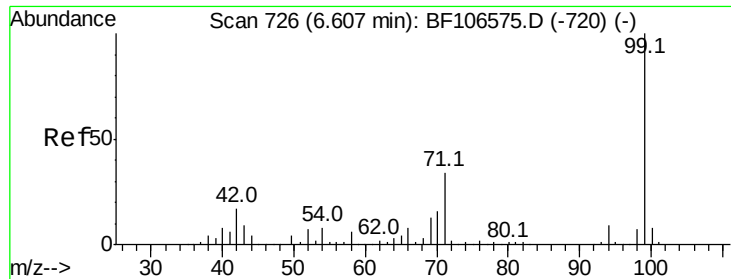


#5

2-Fluorophenol
Concen: 92.202 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 84.208 ng

RT: 6.58 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF107375.D

Acq: 13 Jul 2018 18:48

Instrument :

BNA_F

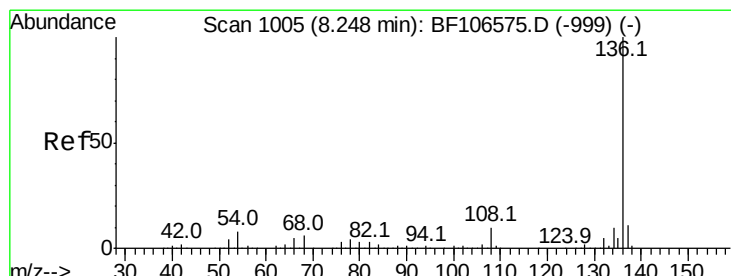
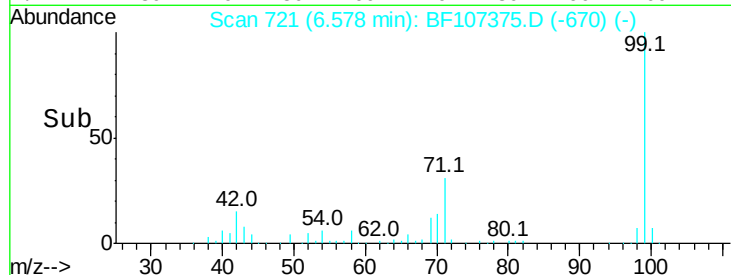
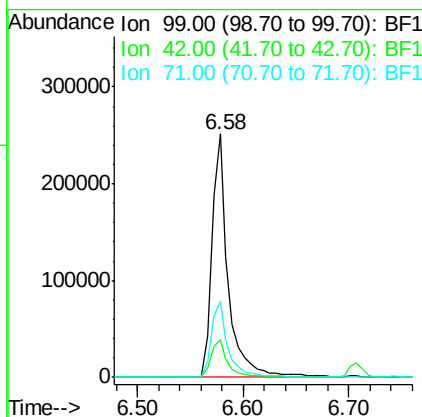
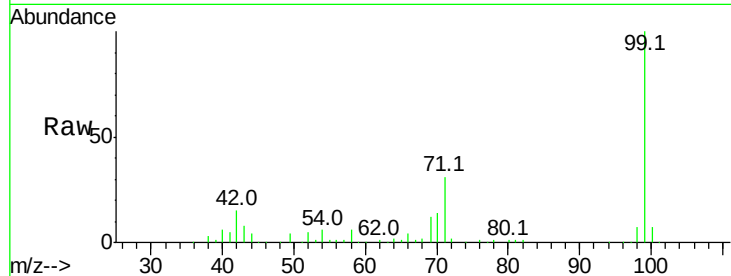
ClientSampleId :

FOUNDRY-COMP

Tot Ion:	99	Resp:	272613
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.5	21.7
71	31.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

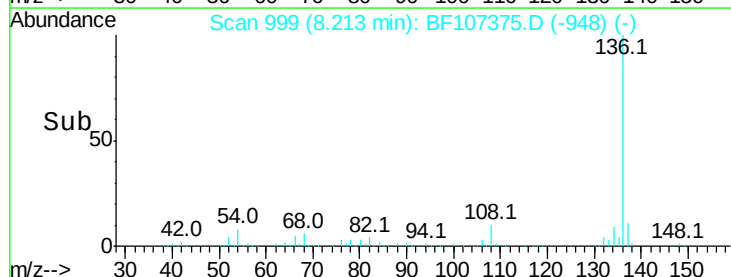
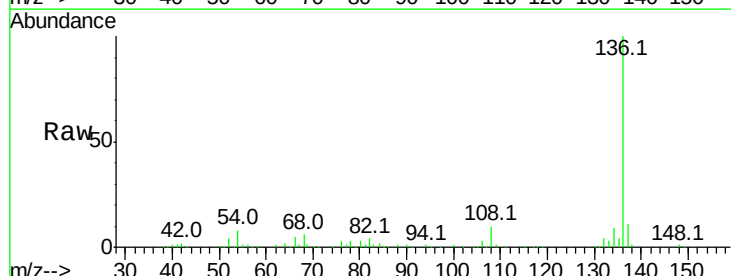
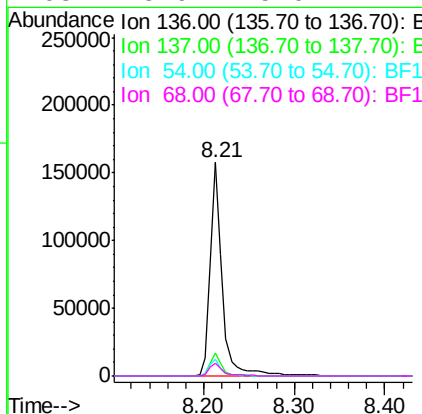
RT: 8.21 min Scan# 999

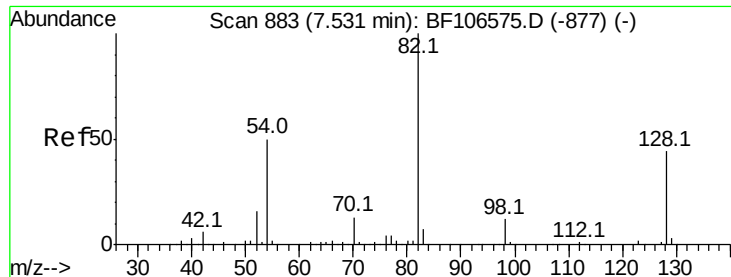
Delta R.T. 0.00 min

Lab File: BF107375.D

Acq: 13 Jul 2018 18:48

Tgt Ion:	136	Resp:	148214
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.9	6.6	9.8
68	5.9	5.0	7.4





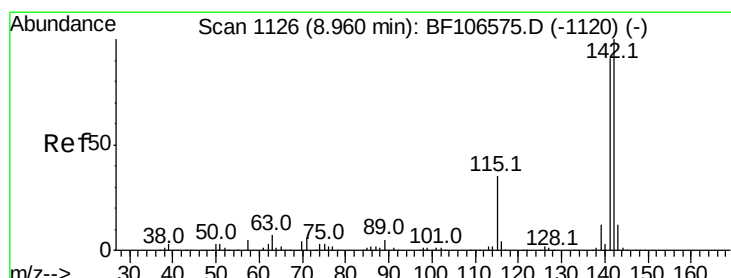
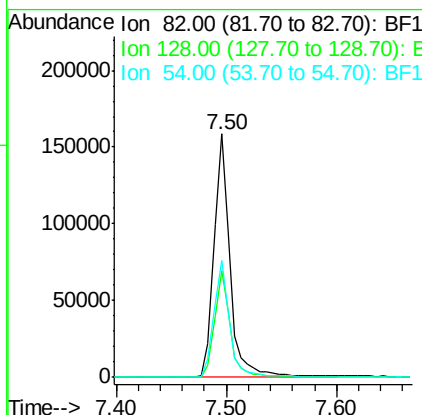
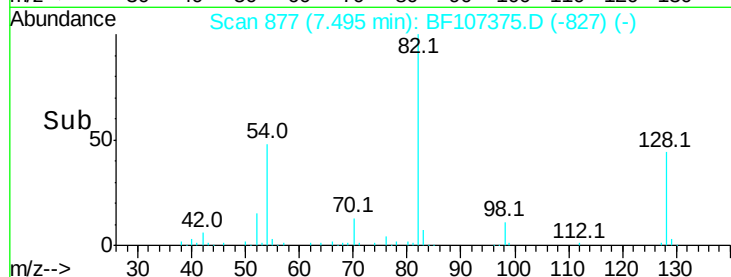
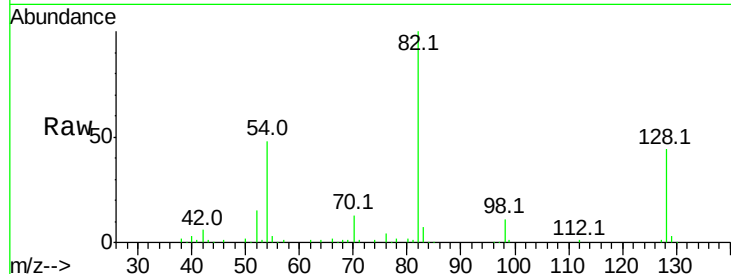
#23
 Nitrobenzene-d5
 Concen: 59.970 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF107375.D
 Acq: 13 Jul 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	48.1	41.4	62.2

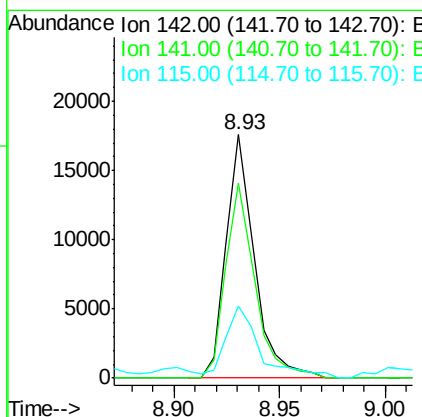
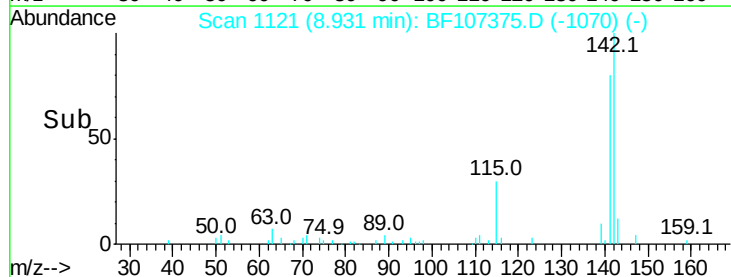
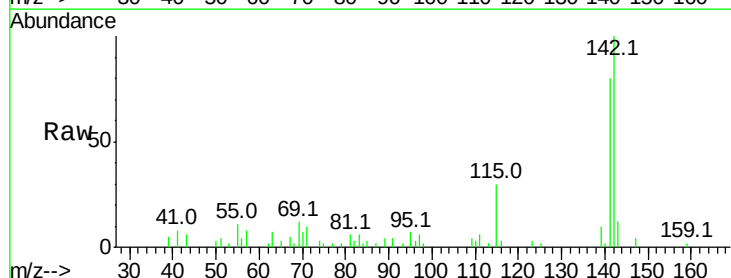
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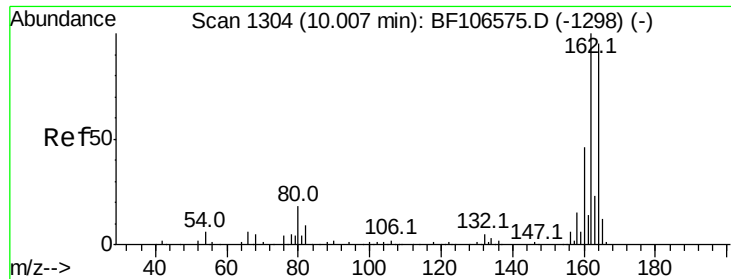
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#37
 2-Methylnaphthalene
 Concen: 3.540 ng
 RT: 8.93 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: BF107375.D
 Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.0	70.8	106.2
115	29.5	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF107375.D

Acq: 13 Jul 2018 18:48

Instrument :

BNA_F

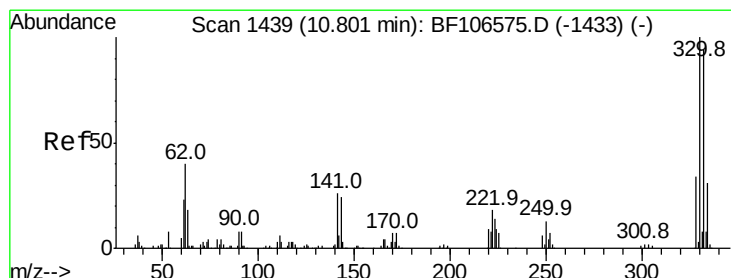
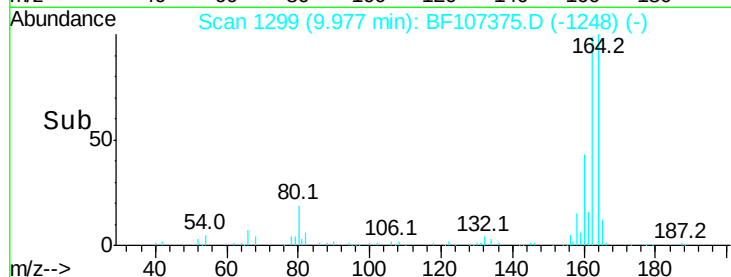
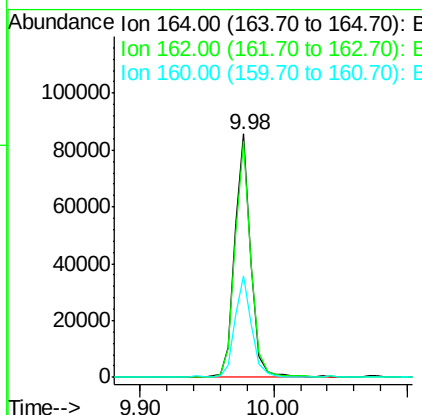
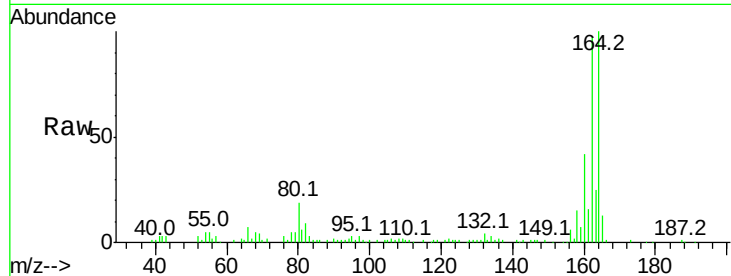
ClientSampleId :

FOUNDRY-COMP

Tot Ion:	164	Resp:	72454
Ion	Ratio	Lower	Upper
164	100		
162	96.9	86.1	129.1
160	41.9	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 93.153 ng

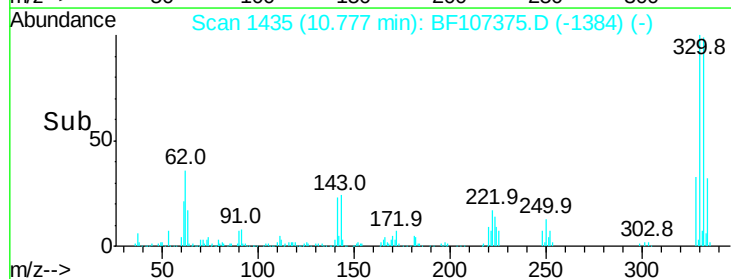
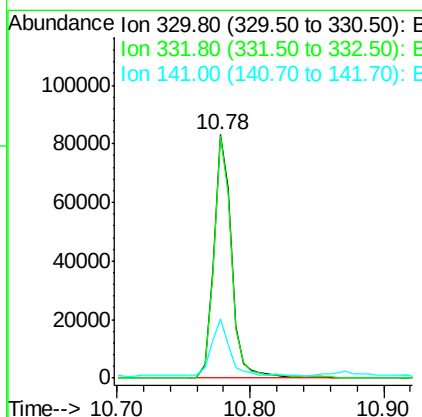
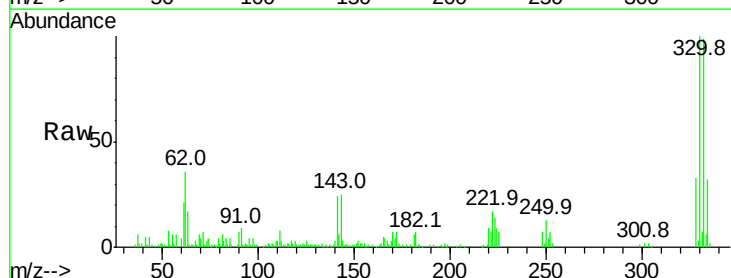
RT: 10.78 min Scan# 1435

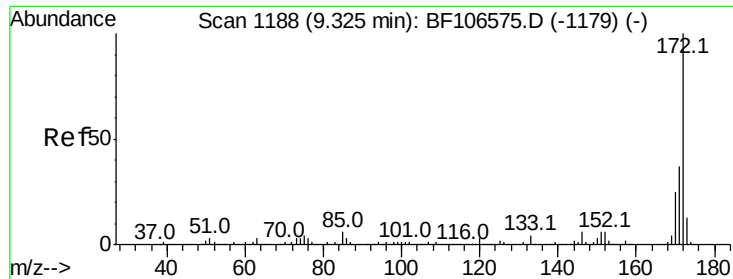
Delta R.T. 0.00 min

Lab File: BF107375.D

Acq: 13 Jul 2018 18:48

Tgt Ion:	330	Resp:	78226
Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.0	115.6
141	22.9	29.9	44.9#





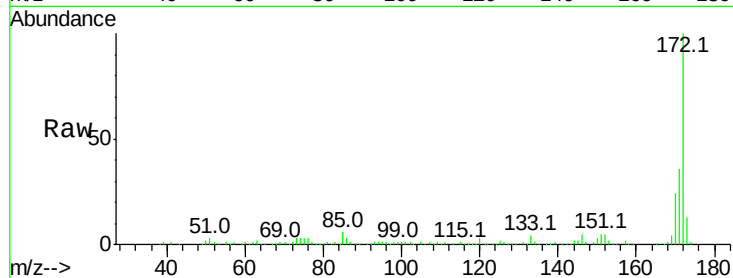
#44
2-Fluorobiphenyl
Concen: 56.899 ng
RT: 9.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-COMP

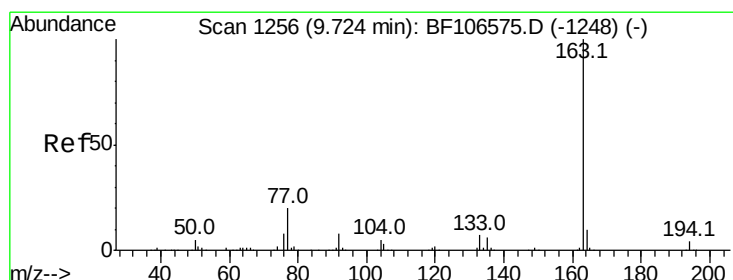
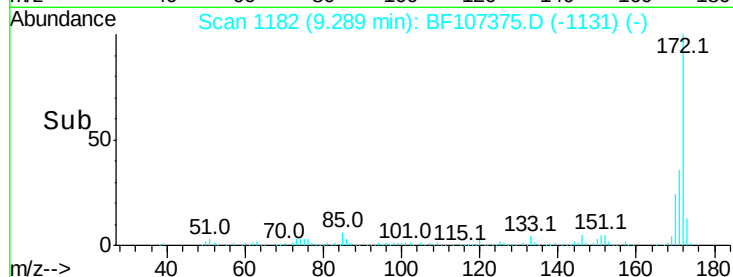
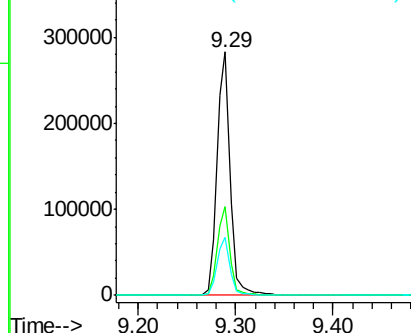
Tot Ion	Ratio	Resp	Lower	Upper
172	100	264436		
171	36.2		29.7	44.5
170	24.0		19.6	29.4

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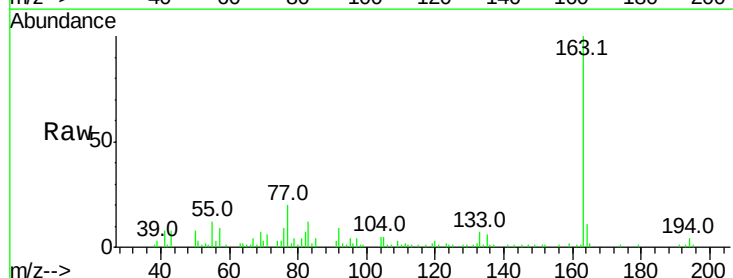


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

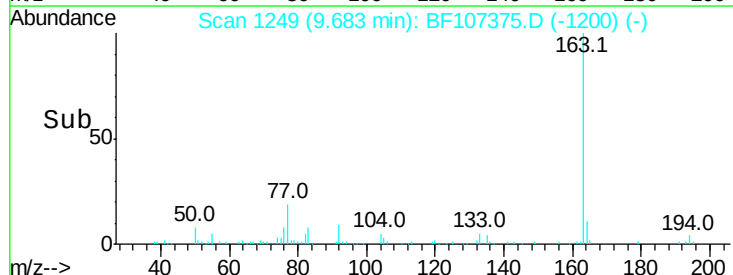
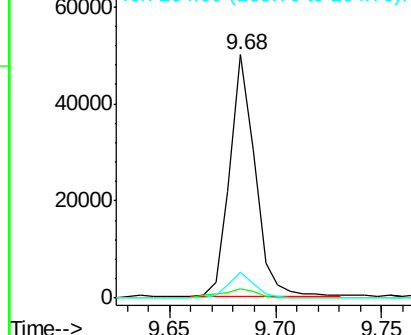


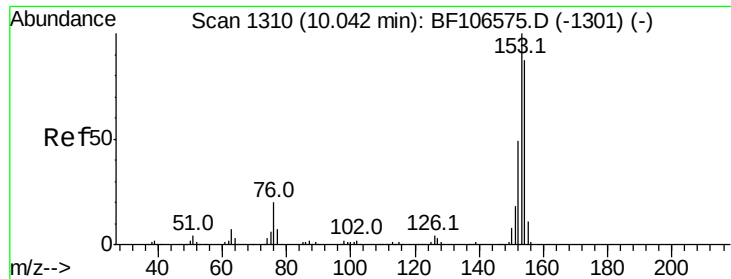
#49
Dimethylphthalate
Concen: 7.564 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	41102		
194	4.1		2.7	4.1
164	10.8		8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.981 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107375.D

Acq: 13 Jul 2018 18:48

Instrument :

BNA_F

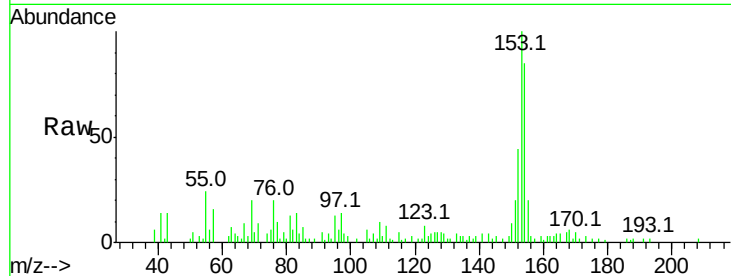
ClientSampleId :

FOUNDRY-COMP

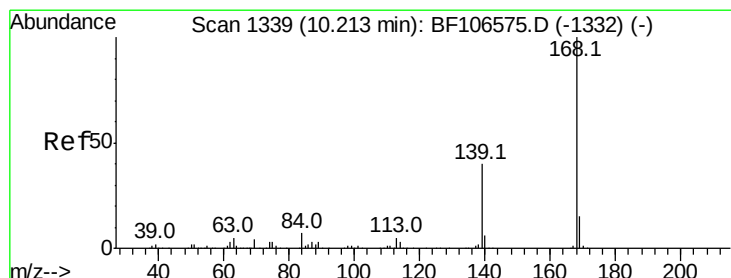
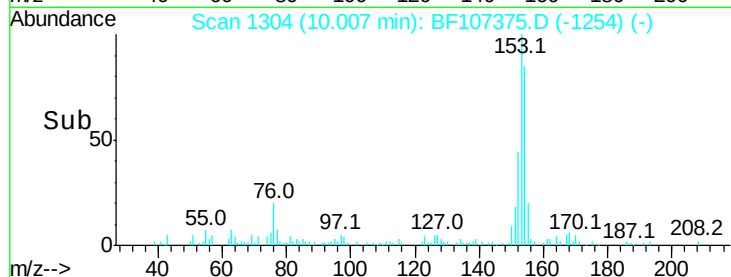
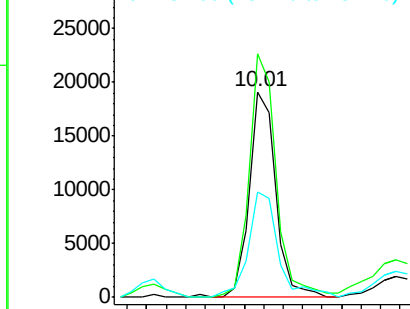
Tot Ion:	154	Resp:	17991
Ion Ratio	Lower	Upper	
154	100		
153	118.3	91.2	136.8
152	51.5	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.905 ng

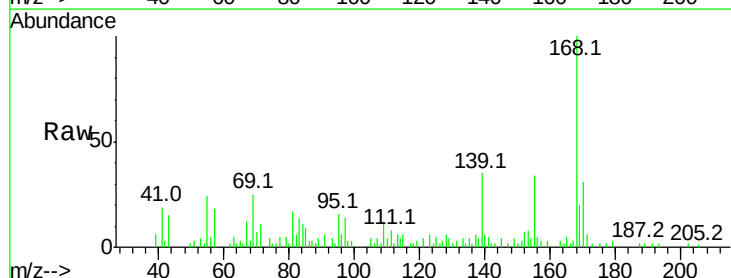
RT: 10.18 min Scan# 1334

Delta R.T. -0.01 min

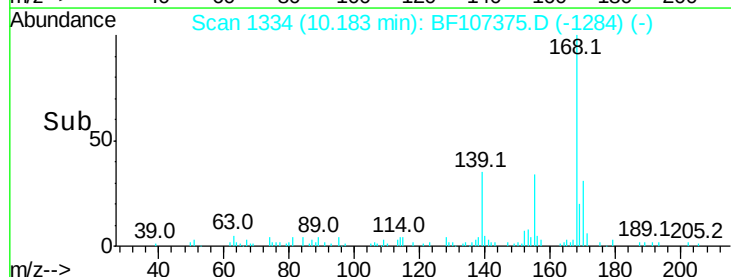
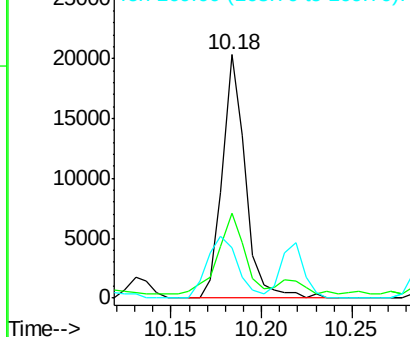
Lab File: BF107375.D

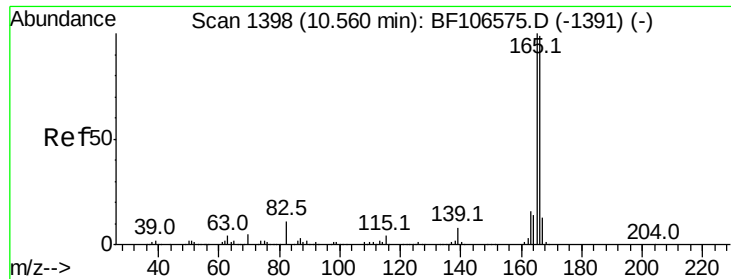
Acq: 13 Jul 2018 18:48

Tgt Ion:	168	Resp:	17977
Ion Ratio	Lower	Upper	
168	100		
139	35.1	30.1	45.1
169	20.5	10.9	16.3#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





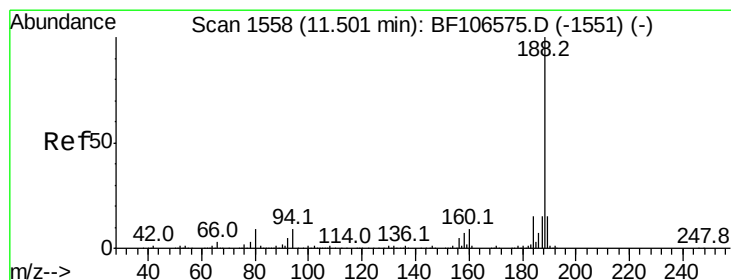
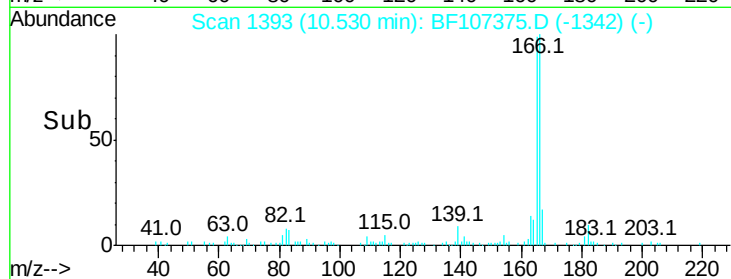
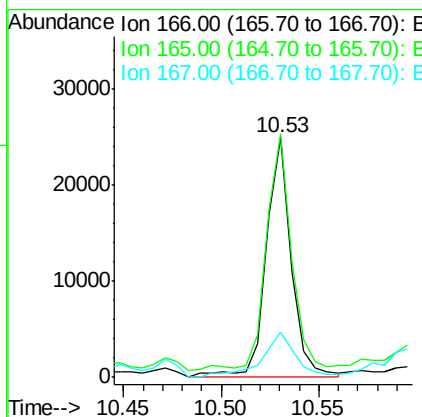
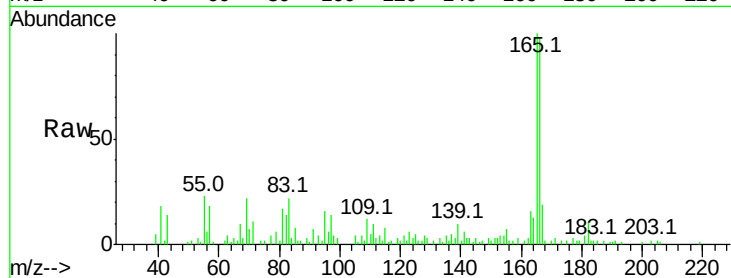
#57
 Fluorene
 Concen: 4.567 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: BF107375.D
 Acq: 13 Jul 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.7	79.8	119.8
167	18.9	10.6	16.0

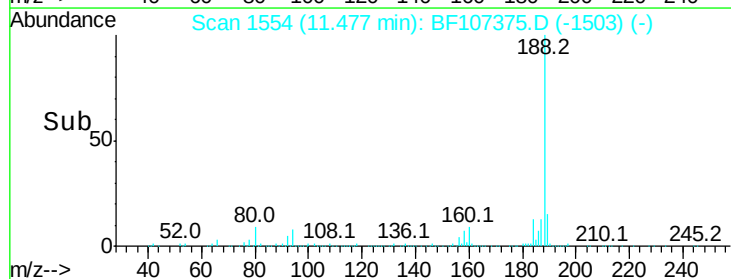
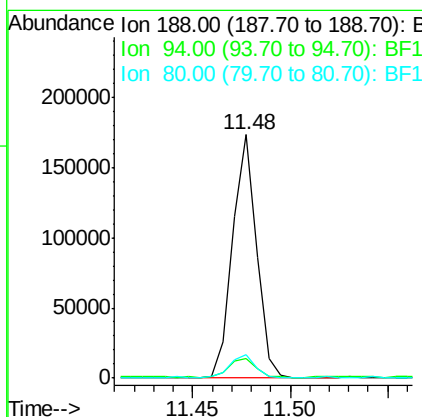
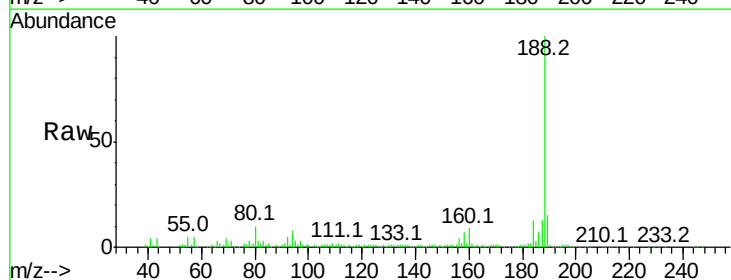
Manual Integrations
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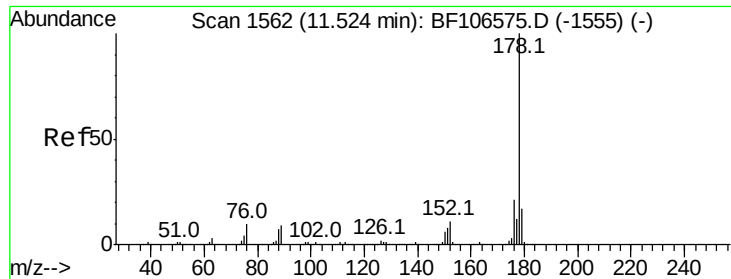
Sohil
 7/16/2018 3:22:35 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1554
 Delta R.T. 0.00 min
 Lab File: BF107375.D
 Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7
80	9.6	9.2	13.8





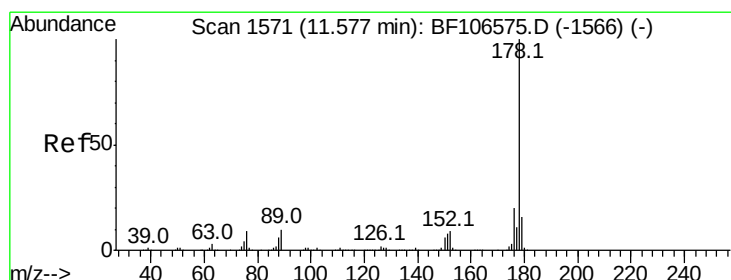
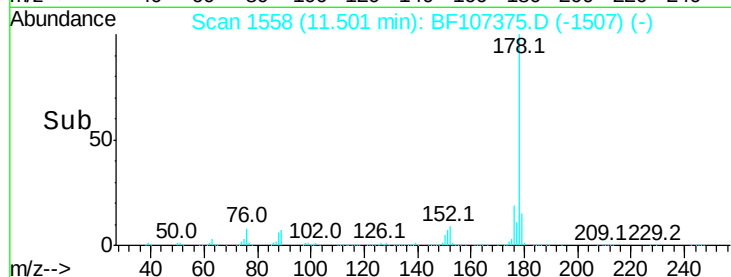
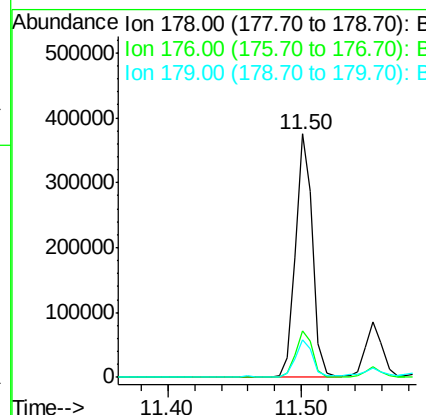
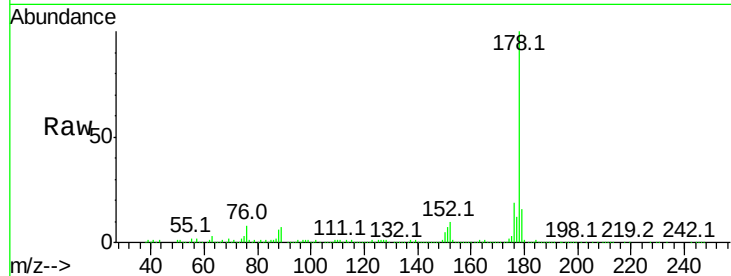
#70
Phenanthrene
Concen: 46.284 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.6	13.0	19.6

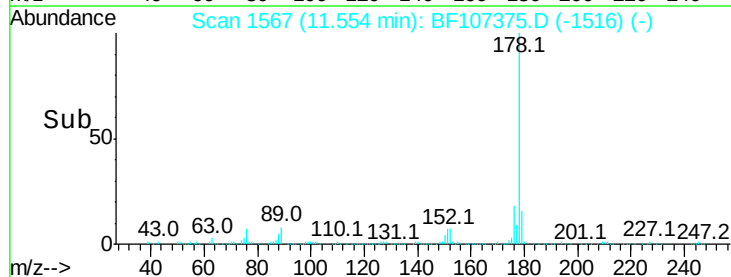
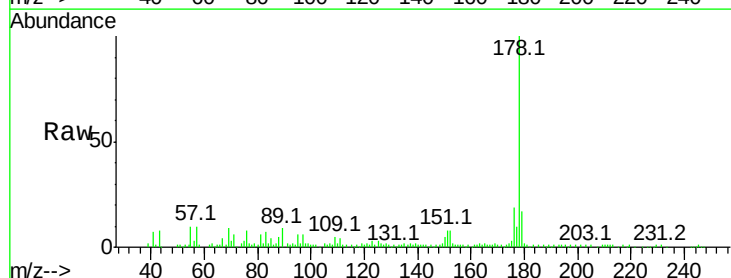
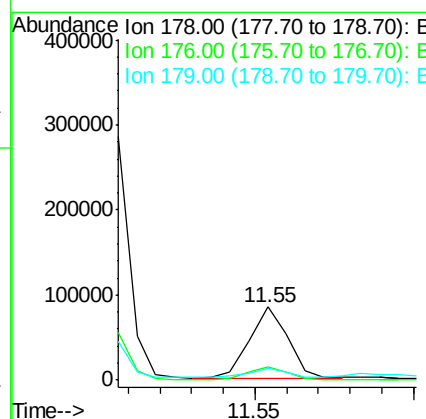
Manual Integrations
APPROVED

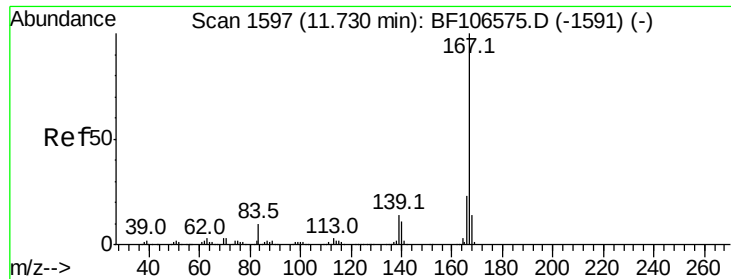
Sohil
7/16/2018 3:22:35 PM



#71
Anthracene
Concen: 9.501 ng
RT: 11.55 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	17.1	12.6	19.0





#72

Carbazole

Concen: 3.390 ng

RT: 11.71 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF107375.D

Acq: 13 Jul 2018 18:48

Instrument :

BNA_F

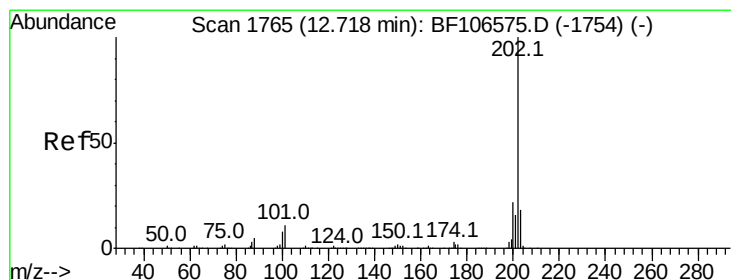
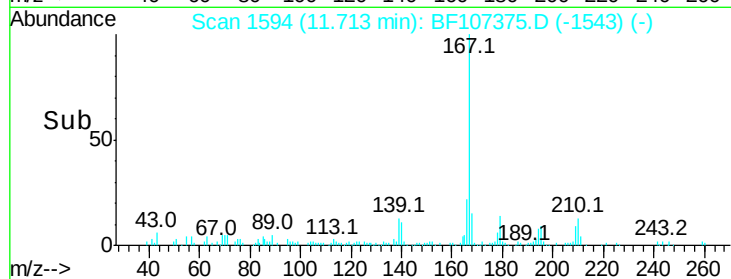
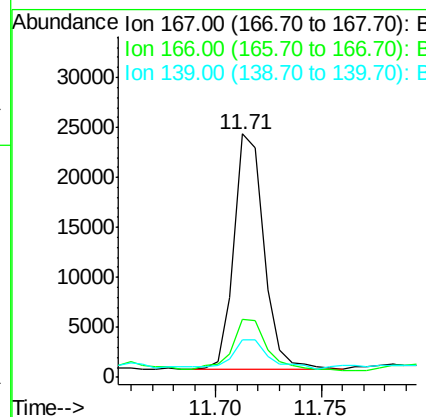
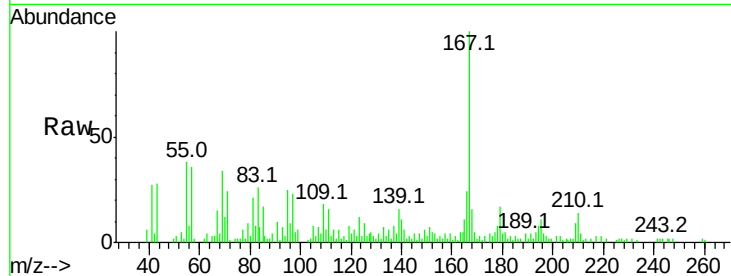
ClientSampleId :

FOUNDRY-COMP

Tot Ion:	167	Resp:	23182
Ion Ratio	Lower	Upper	
167	100		
166	23.6	17.6	26.4
139	15.6	10.9	16.3

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:35 PM



#74

Fluoranthene

Concen: 57.144 ng

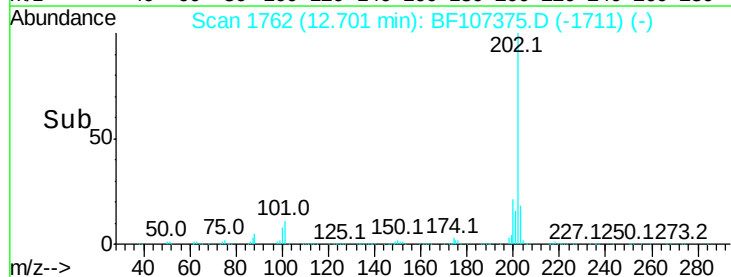
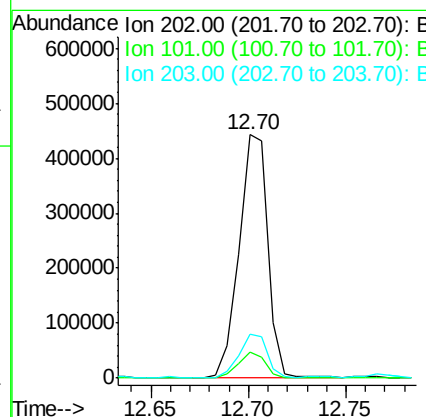
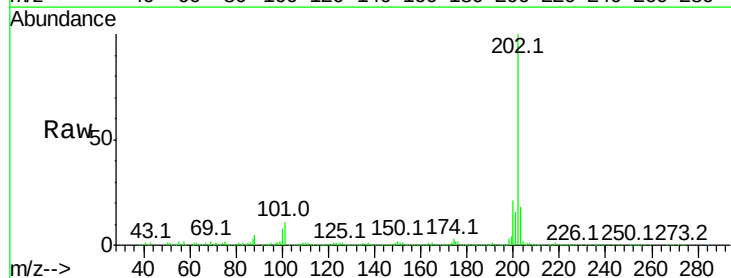
RT: 12.70 min Scan# 1762

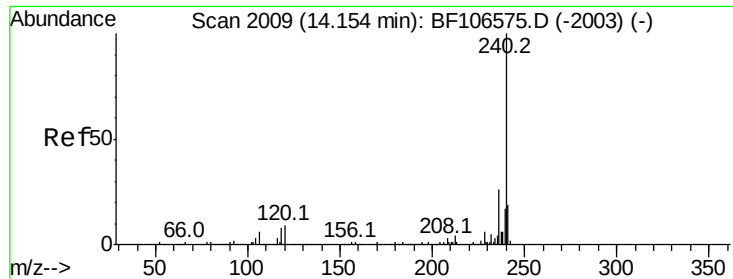
Delta R.T. 0.00 min

Lab File: BF107375.D

Acq: 13 Jul 2018 18:48

Tgt Ion:	202	Resp:	450763
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	34.1
203	18.2	0.0	38.1





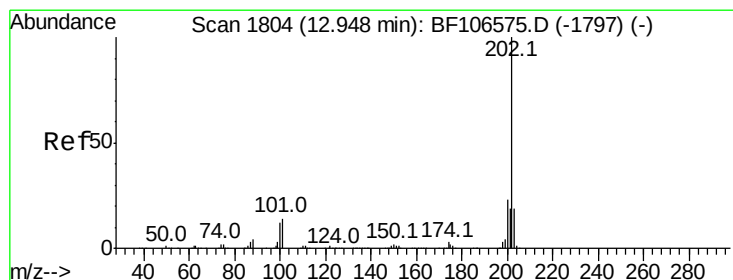
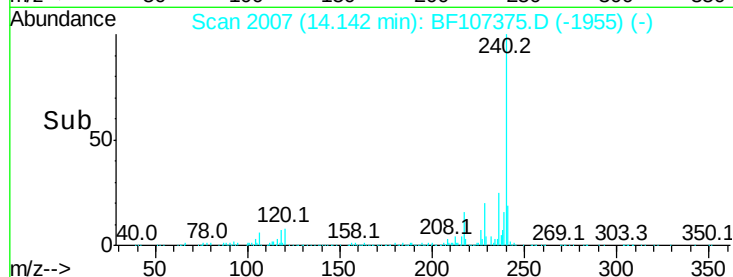
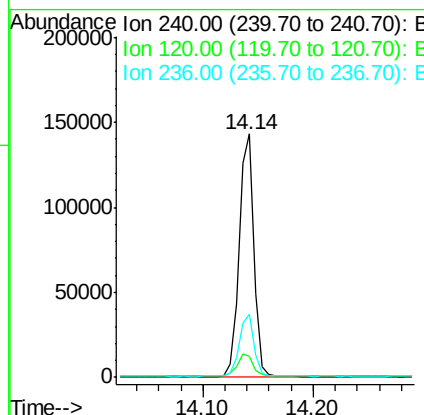
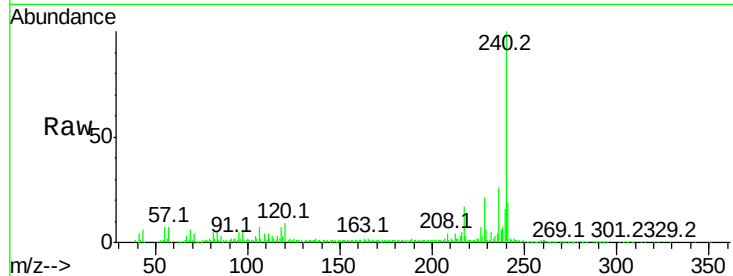
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-COMP

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	25.9	20.7	31.1

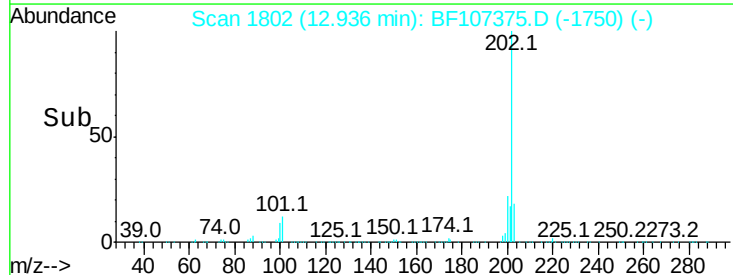
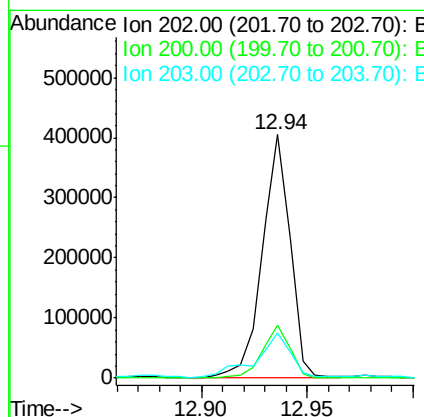
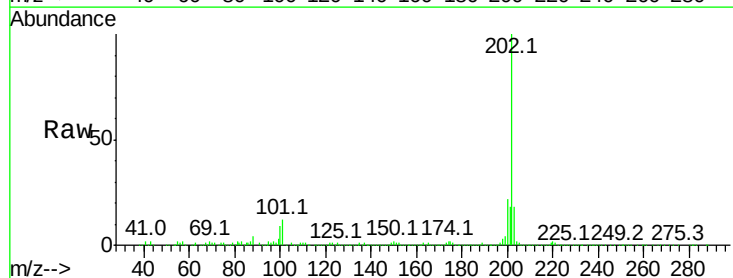
Manual Integrations
APPROVED

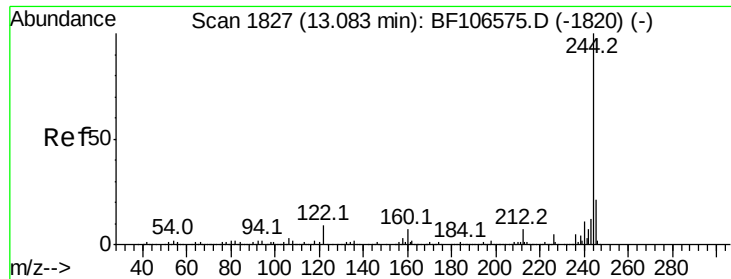
Sohil
7/16/2018 3:22:35 PM



#77
Pyrene
Concen: 41.971 ng
RT: 12.94 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.3	14.3	21.5





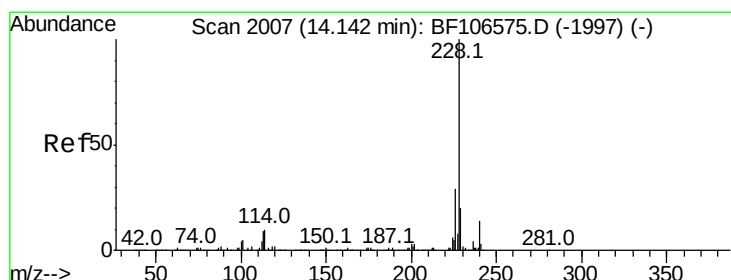
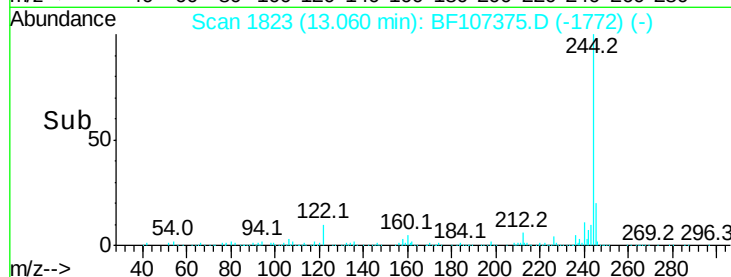
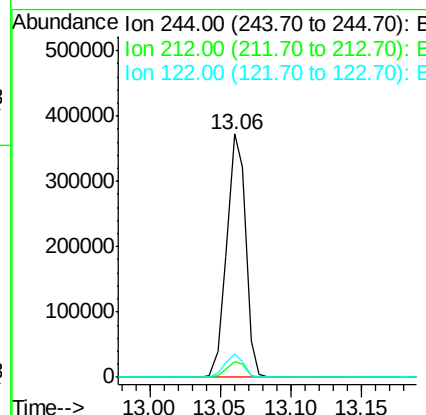
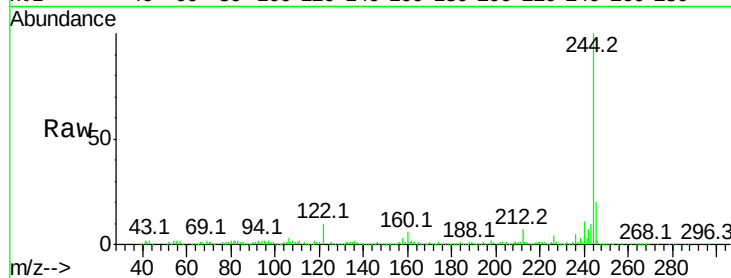
#78
 Terphenyl-d14
 Concen: 63.214 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BF107375.D
 Acq: 13 Jul 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-COMP

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.6	5.4	8.0	
122	9.8	11.0	16.4	

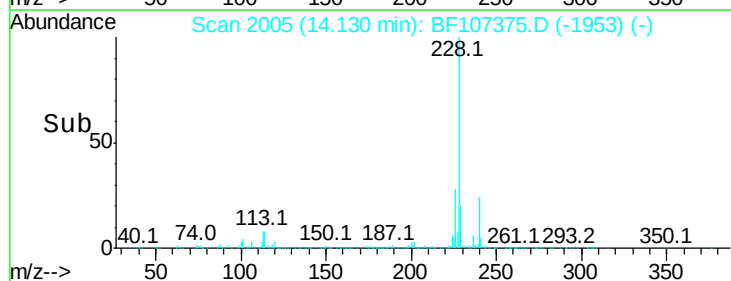
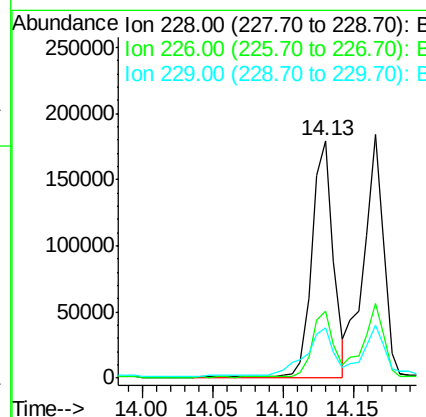
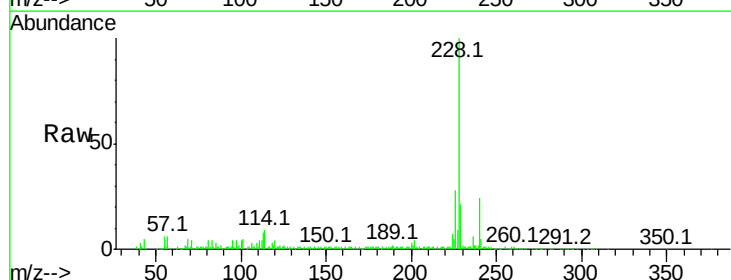
Manual Integrations
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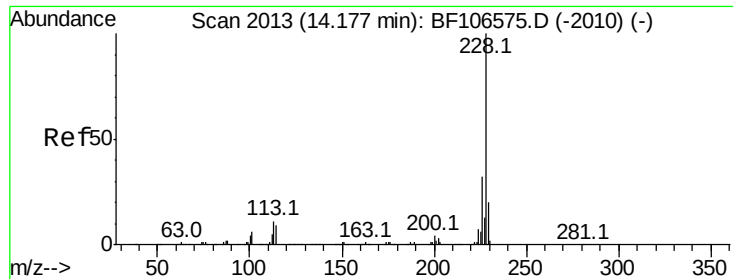
Sohil
 7/16/2018 3:22:35 PM



#80
 Benzo(a)anthracene
 Concen: 22.932 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF107375.D
 Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.2	22.6	33.8	
229	21.3	15.8	23.6	





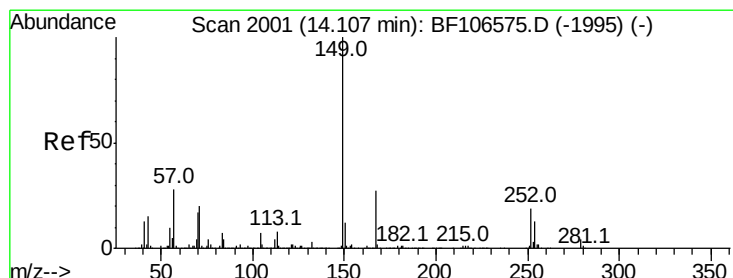
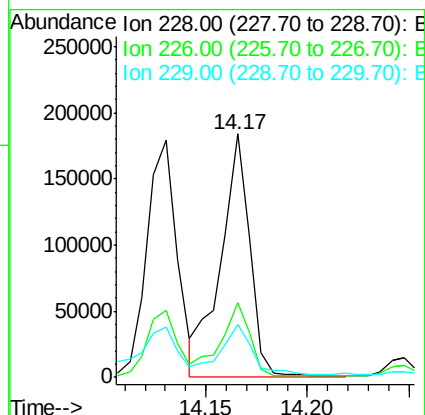
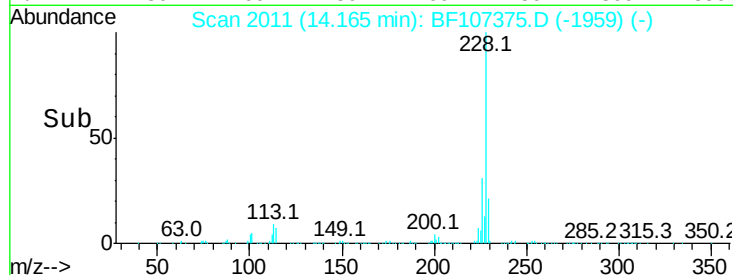
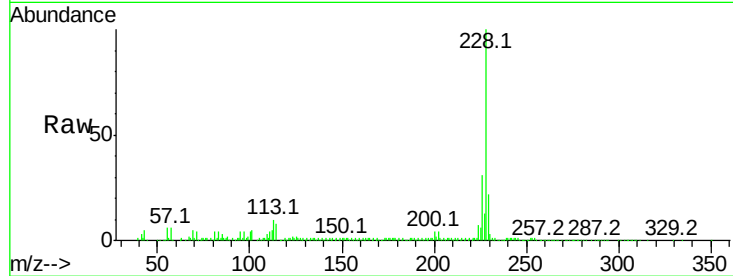
#82
Chrysene
Concen: 24.794 ng m
RT: 14.17 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-COMP

Tot Ion:	228	Resp:	185910
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	21.5	16.2	24.4

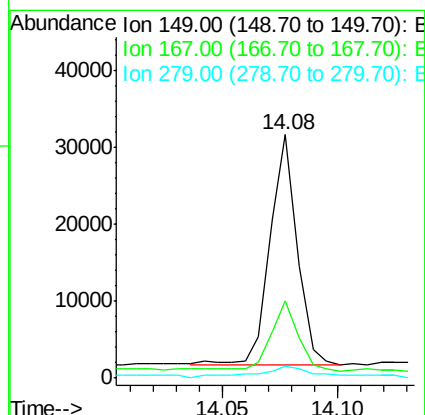
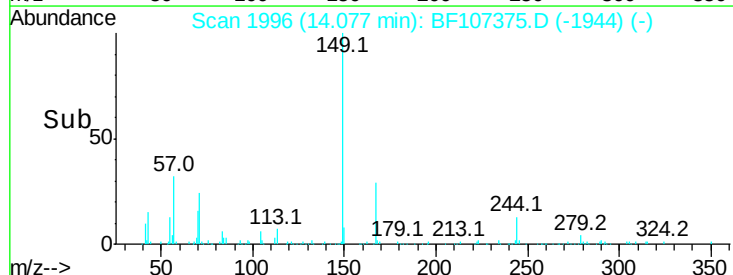
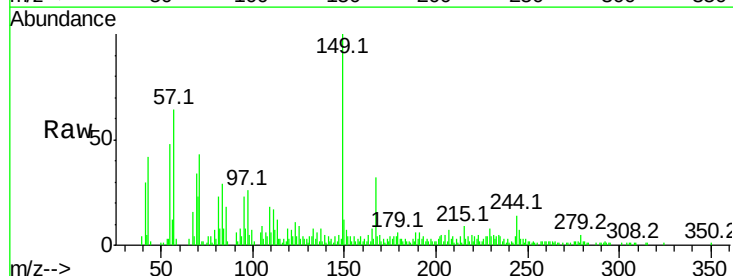
Manual Integrations
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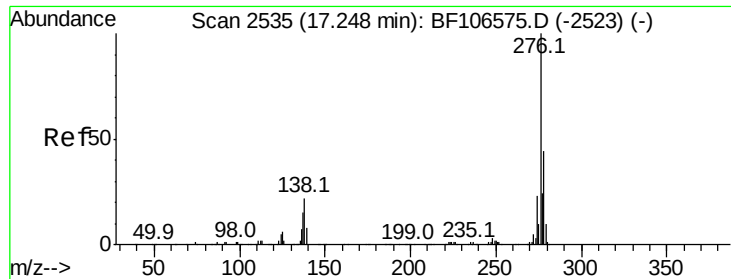
Sohil
7/16/2018 3:22:35 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 5.331 ng
RT: 14.08 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Tgt Ion:	149	Resp:	24711
Ion Ratio	Lower	Upper	
149	100		
167	31.8	21.3	31.9
279	5.1	3.0	4.4#





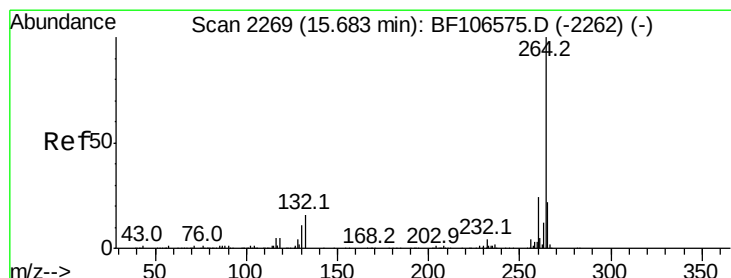
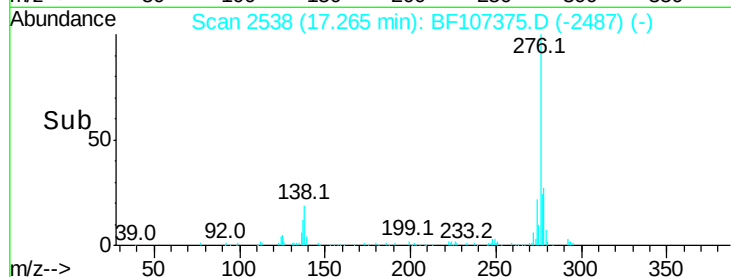
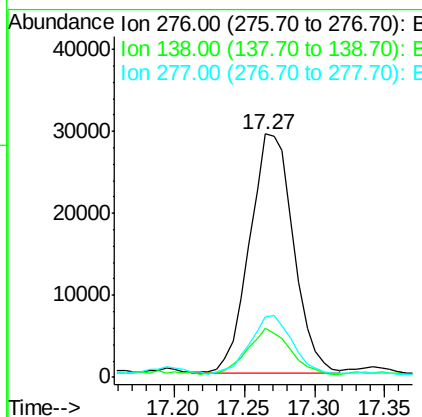
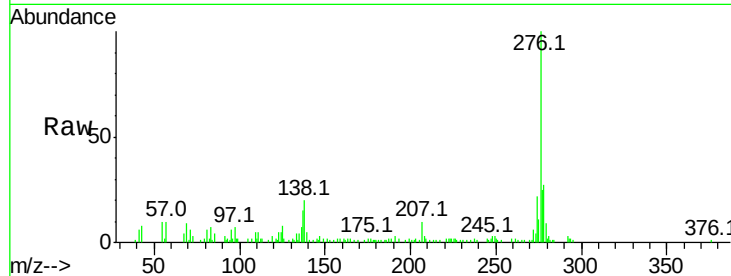
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.866 ng/ml
 RT: 17.27 min Scan# 2538
 Delta R.T. 0.00 min
 Lab File: BF107375.D
 Acq: 13 Jul 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDRY-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.6	25.0	37.6#
277	1.4	20.1	30.1#

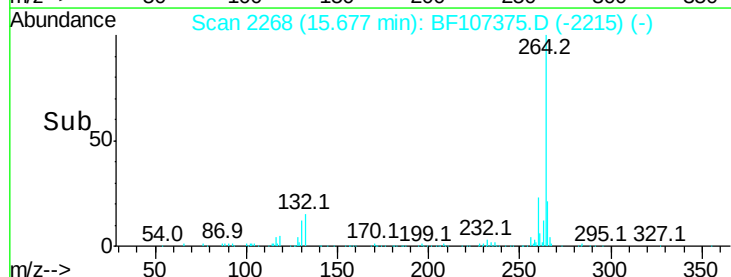
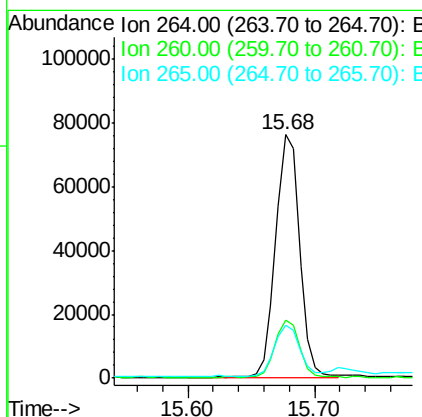
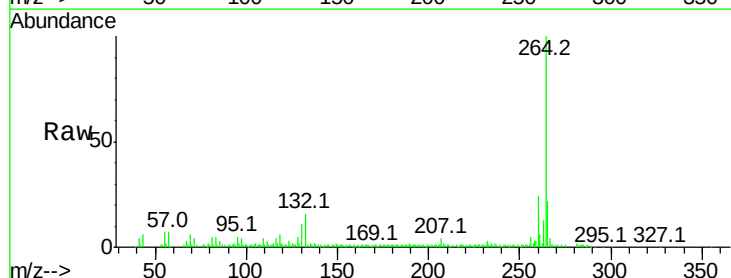
Manual Integrations
 APPROVED

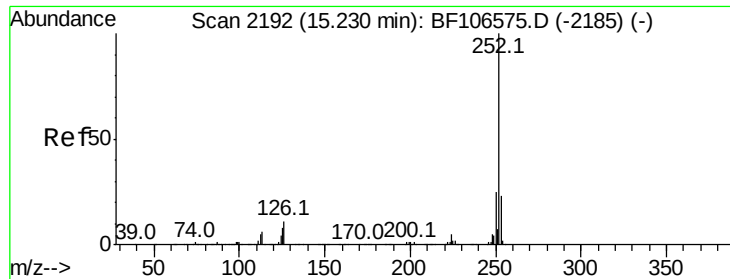
Sohil
 7/16/2018 3:22:35 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF107375.D
 Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.9	17.5	26.3





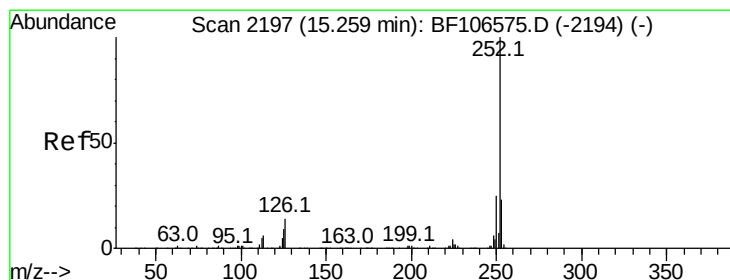
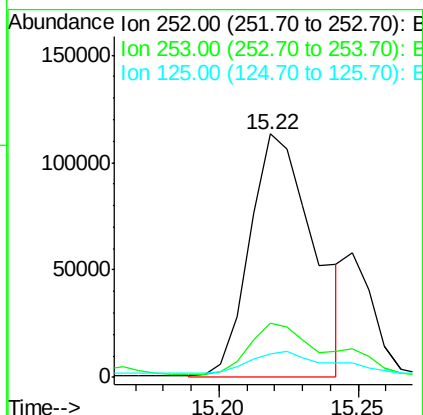
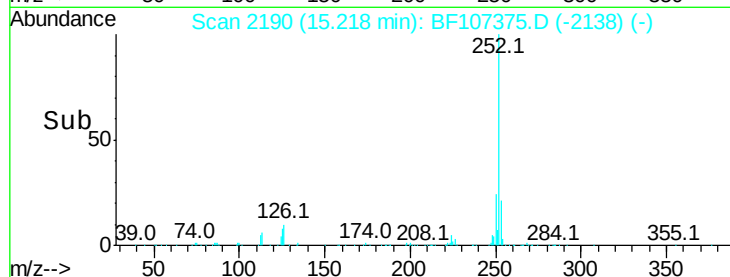
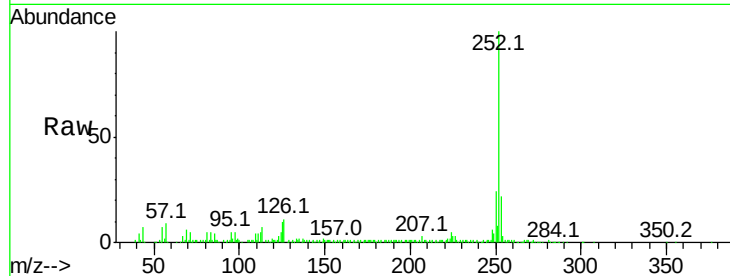
#87
Benzo(b)fluoranthene
Concen: 28.901 ng m
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	9.7	9.0	13.6

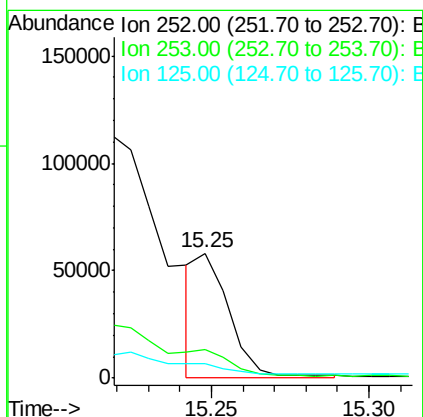
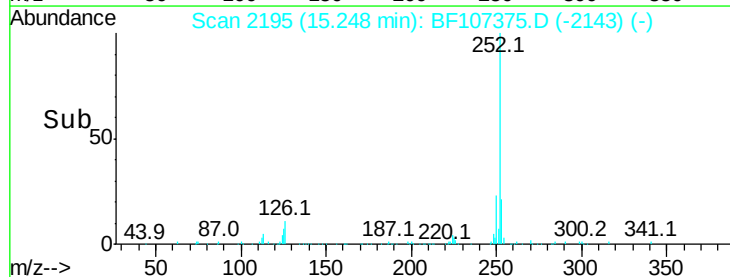
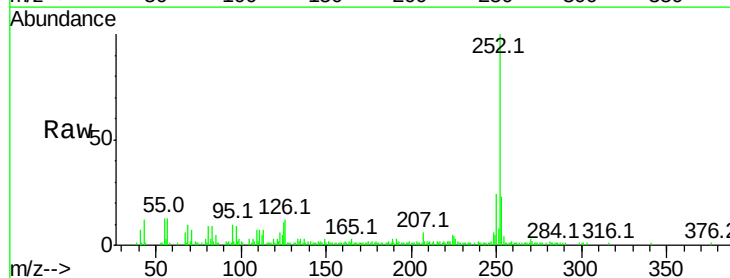
Manual Integrations
APPROVED

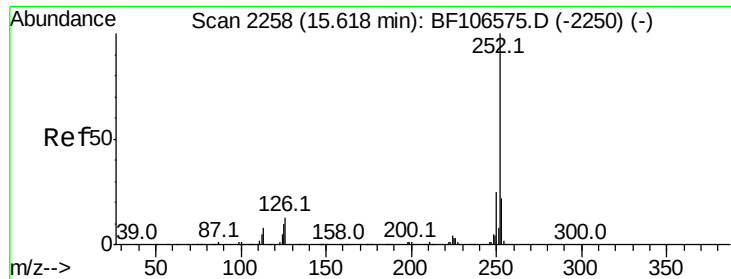
Sohil
7/16/2018 3:22:35 PM



#88
Benzo(k)fluoranthene
Concen: 7.209 ng m
RT: 15.25 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.4	10.2	15.2





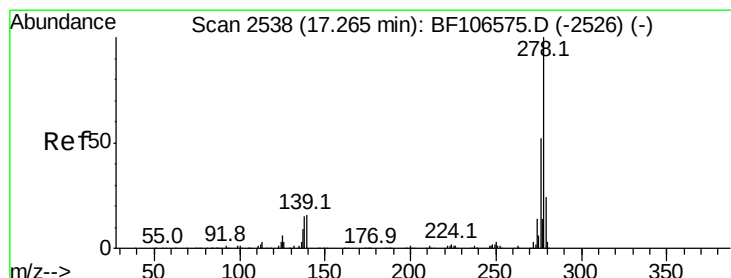
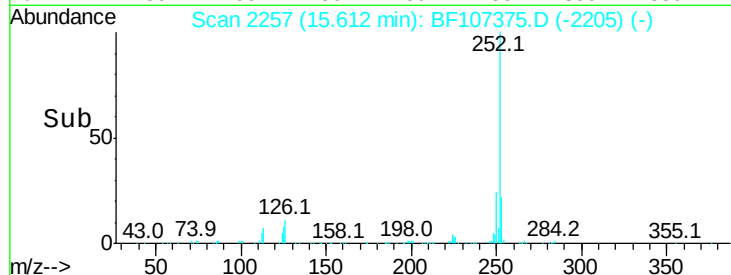
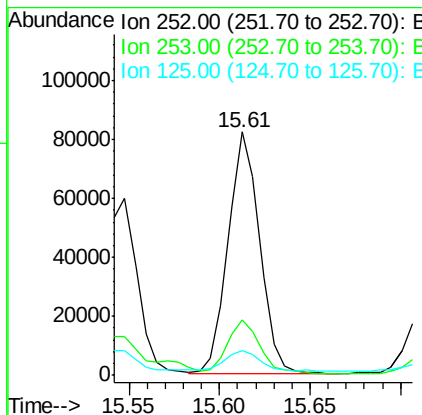
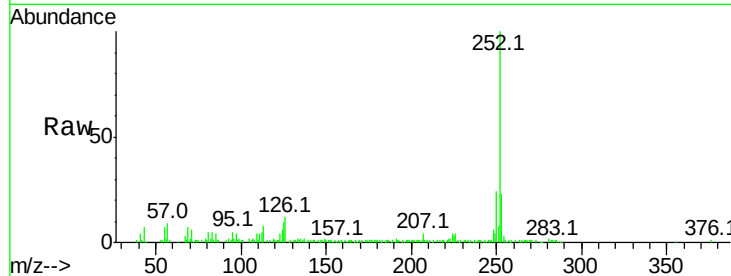
#89
Benzo(a)pyrene
Concen: 17.718 ng
RT: 15.61 min Scan# 2257
Delta R.T. 0.01 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FOUNDRY-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	10.4	9.8	14.6

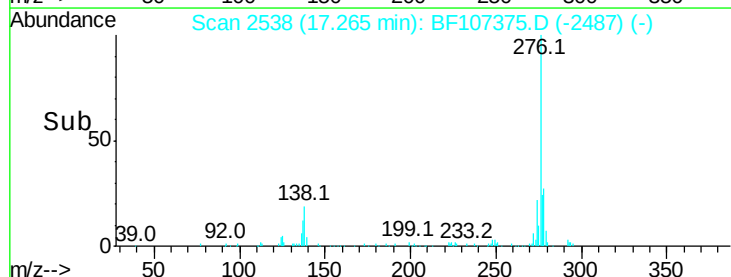
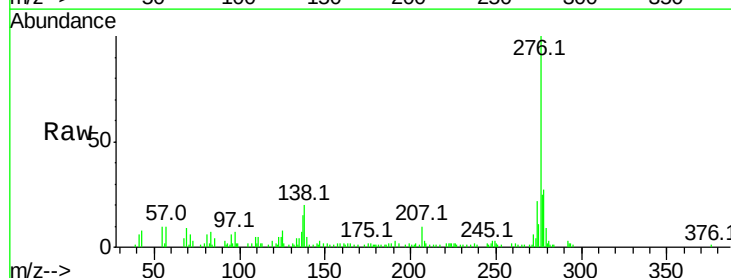
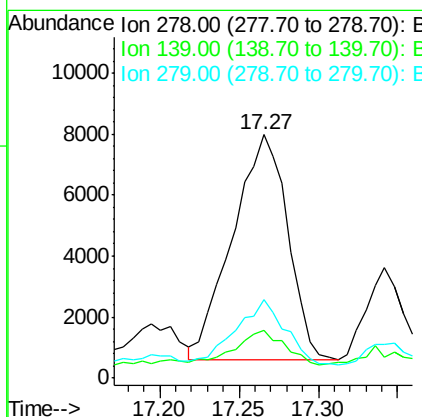
Manual Integrations
APPROVED

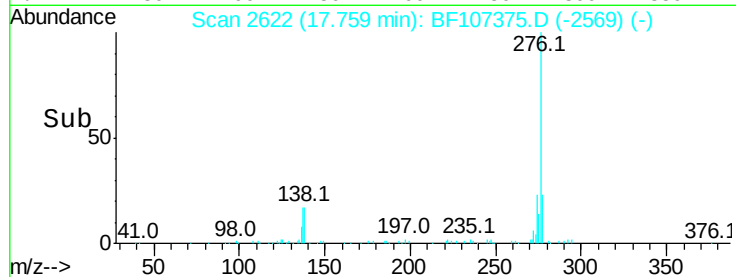
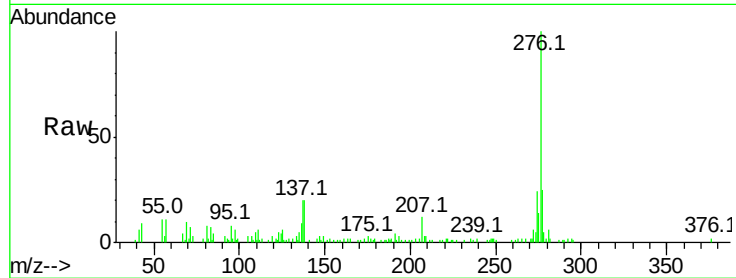
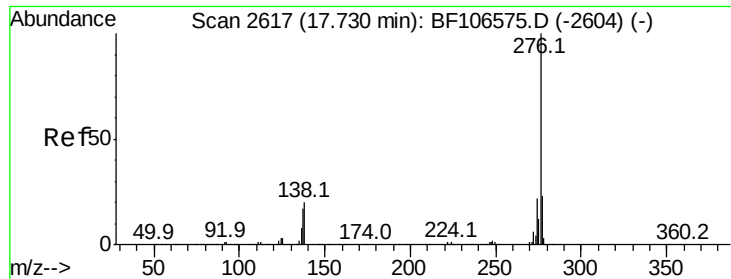
Sohil
7/16/2018 3:22:35 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.736 ng
RT: 17.27 min Scan# 2538
Delta R.T. 0.00 min
Lab File: BF107375.D
Acq: 13 Jul 2018 18:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	15.9	23.9
279	32.2	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 13.217 ng

RT: 17.76 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BF107375.D

Acq: 13 Jul 2018 18:48

Instrument :

BNA_F

ClientSampleId :

FOUNDRY-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	19.5	21.8	32.8

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:35 PM

