

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
 Data File : BF113759.D
 Acq On : 13 Apr 2019 1:19
 Operator : JU/SJ
 Sample : K2373-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TPH-FOUND

Manual Integrations
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Sohil
 4/15/2019 12:27:01 AM

Quant Time: Apr 13 04:31:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	112384	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	406144	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	171564	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	329672	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	325935	20.00	ng	-0.02
87) Perylene-d12	15.23	264	258056	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	325277	49.36	ng	0.00
7) Phenol-d6	6.33	99	430328	52.98	ng	-0.01
23) Nitrobenzene-d5	7.24	82	228966	33.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	97526	47.32	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	420248	39.43	ng	-0.02
79) Terphenyl-d14	12.76	244	434027	27.11	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.97	128	41771	2.123	ng	98
49) Acenaphthylene	9.57	152	41049	2.355	ng	99
50) Dimethylphthalate	9.43	163	57294	4.530	ng	100
52) Acenaphthene	9.73	154	66298	6.645	ng	99
55) Dibenzofuran	9.92	168	50557	3.454	ng	95
58) Fluorene	10.25	166	70083	6.054	ng	97
71) Phenanthrene	11.21	178	911096	55.617	ng	99
72) Anthracene	11.26	178	269304	16.158	ng	98
73) Carbazole	11.43	167	112739	7.232	ng	96
75) Fluoranthene	12.40	202	1710402	97.436	ng	99
78) Pyrene	12.63	202	1590893	64.149	ng	99
81) Benzo(a)anthracene	13.82	228	957593	50.931	ng	98
83) Chrysene	13.85	228	815546	42.789	ng	98
84) Bis(2-ethylhexyl)phthalate	13.80	149	31554	2.585	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.60	276	324772	18.456	ng	96
88) Benzo(b)fluoranthene	14.84	252	936090m	59.260	ng	
89) Benzo(k)fluoranthene	14.86	252	277845m	19.599	ng	
90) Benzo(a)pyrene	15.18	252	622971	44.382	ng	98
91) Dibenzo(a,h)anthracene	16.59	278	81262m	6.191	ng	
92) Benzo(g,h,i)perylene	17.01	276	307373	22.942	ng	97

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

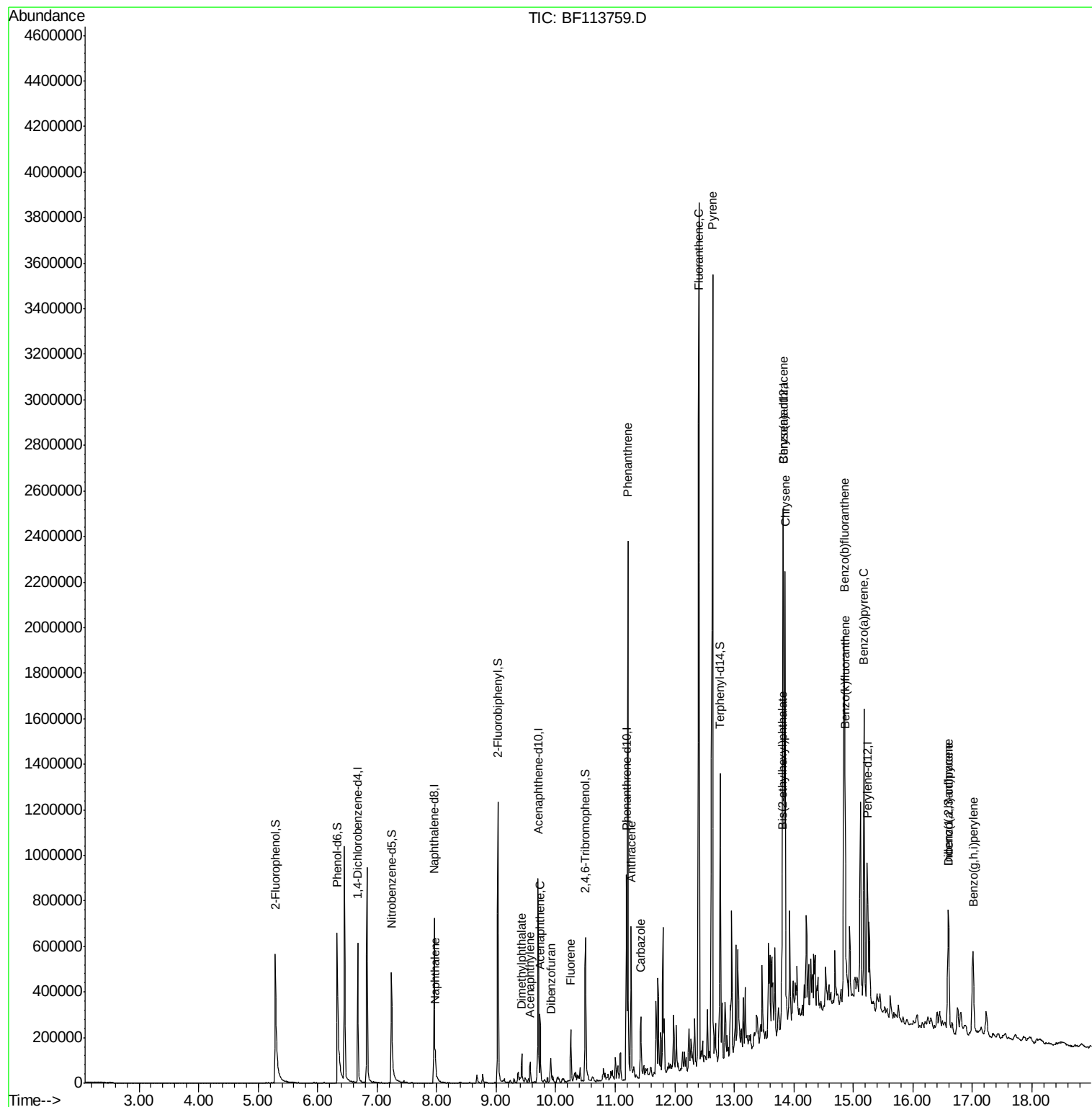
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041219\
Data File : BF113759.D
Acq On : 13 Apr 2019 1:19
Operator : JU/SJ
Sample : K2373-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

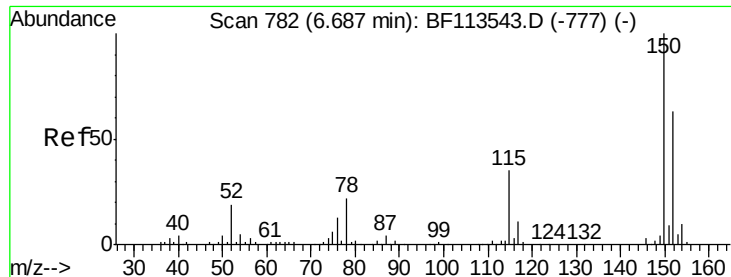
Instrument :
BNA_F
ClientSampleId :
TPH-FOUND

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Quant Time: Apr 13 04:31:26 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

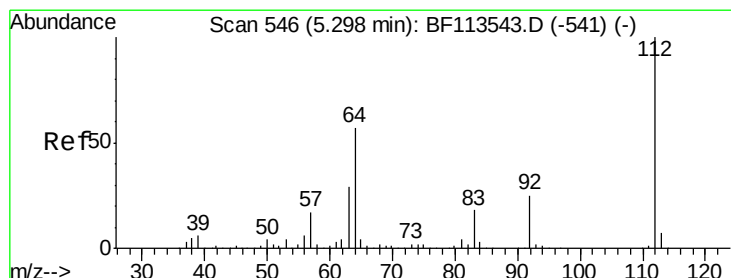
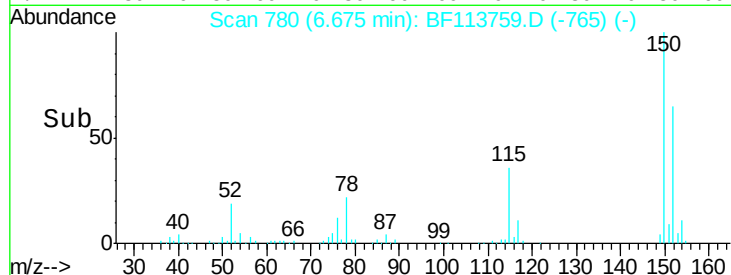
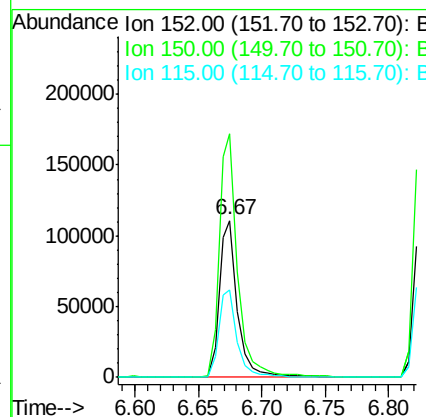
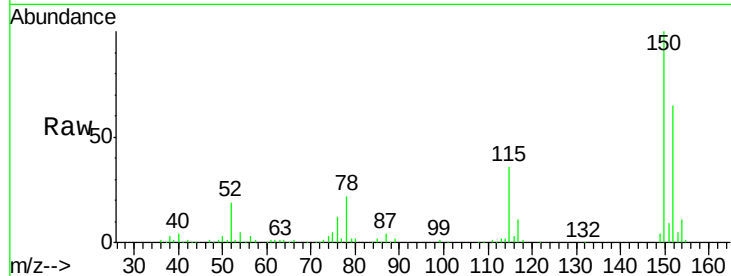
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Instrument :
BNA_F
ClientSampleId :
TPH-FOUND

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	112384		
150	155.0	124.7	187.1	
115	55.4	46.0	69.0	

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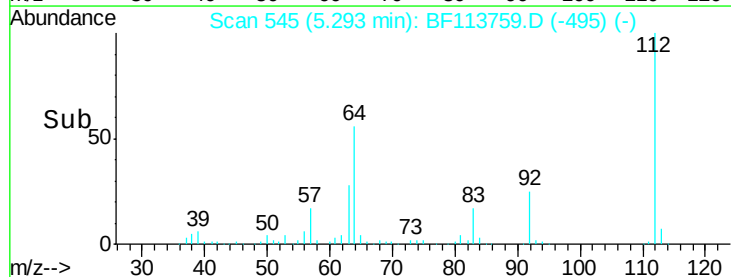
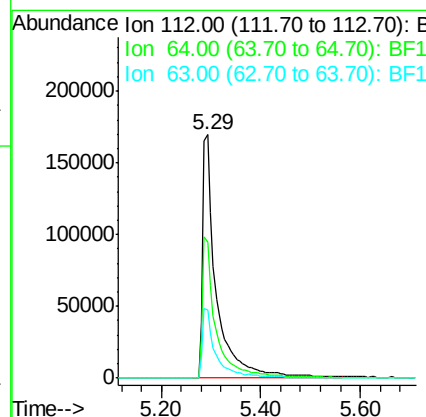
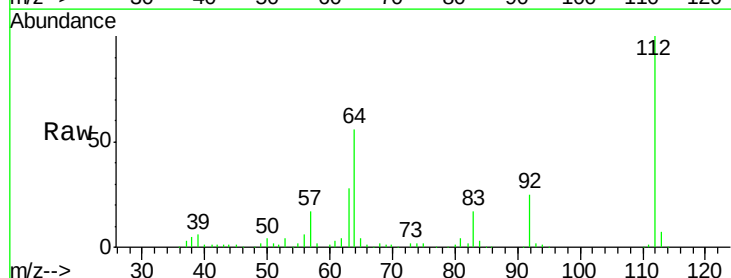
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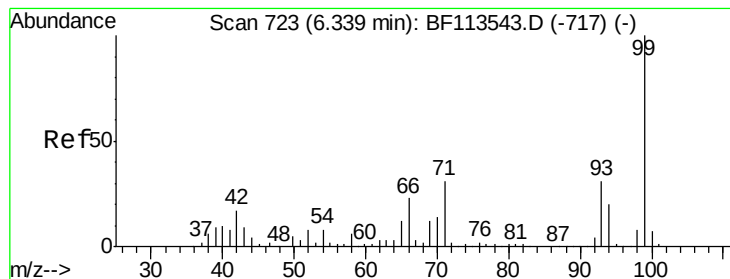


#5

2-Fluorophenol
Concen: 49.355 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	325277		
64	56.1	49.2	73.8	
63	28.0	24.9	37.3	





#7

Phenol-d6

Concen: 52.977 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113759.D

Acq: 13 Apr 2019 1:19

Instrument :

BNA_F

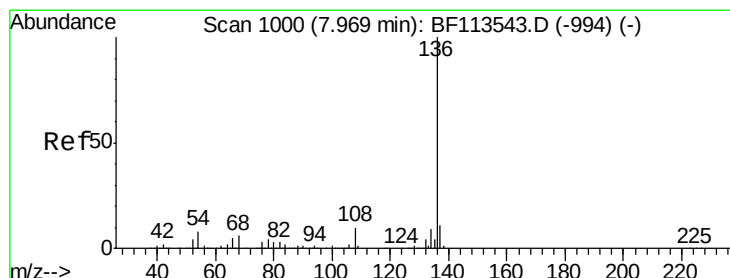
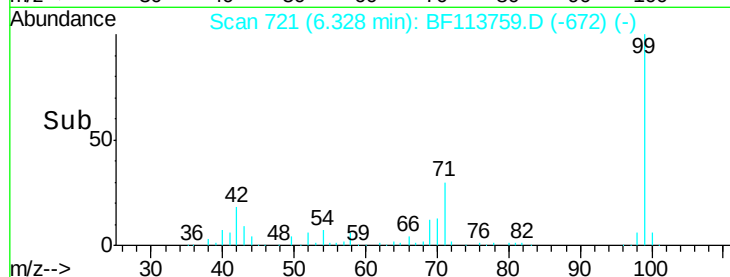
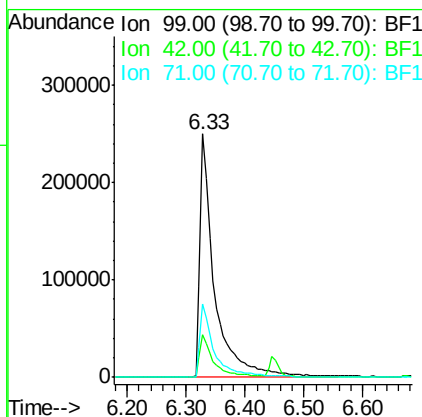
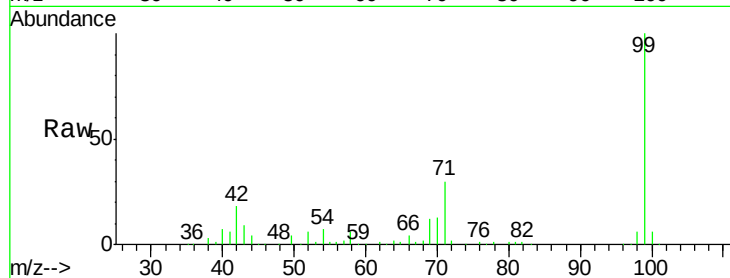
ClientSampled :

TPH-FOUND

Tgt Ion:	99	Resp:	430328
Ion Ratio	Lower	Upper	
99	100		
42	17.6	14.8	22.2
71	30.4	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

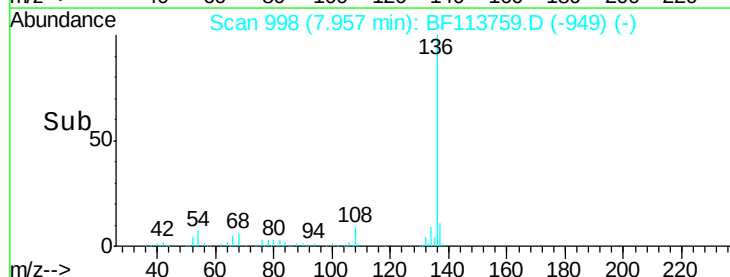
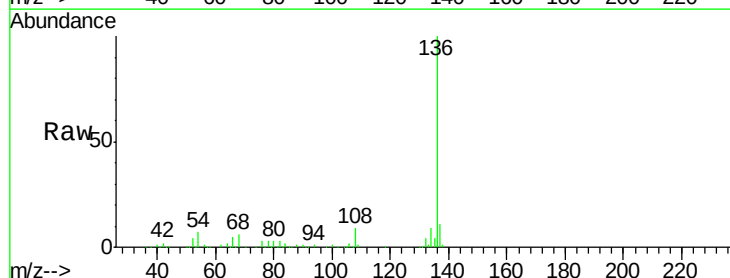
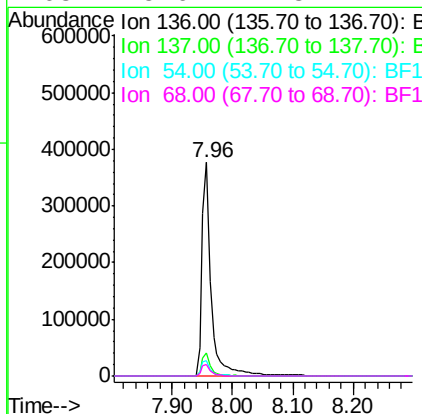
RT: 7.96 min Scan# 998

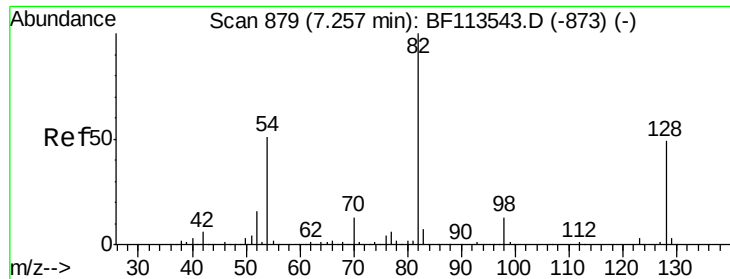
Delta R.T. -0.01 min

Lab File: BF113759.D

Acq: 13 Apr 2019 1:19

Tgt Ion:	136	Resp:	406144
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	7.3	7.0	10.6
68	5.6	4.8	7.2





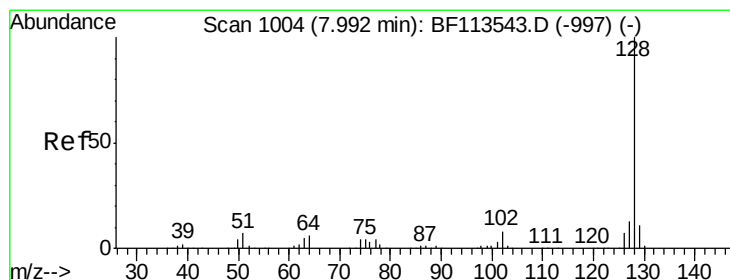
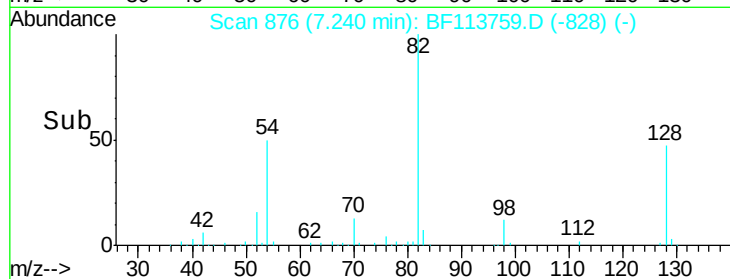
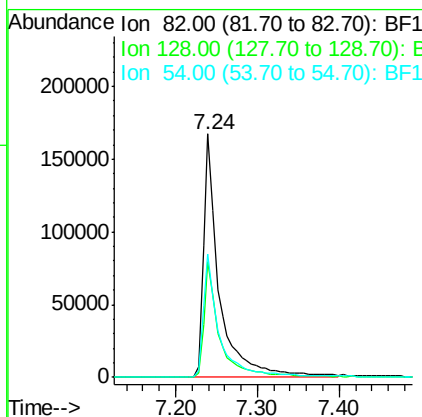
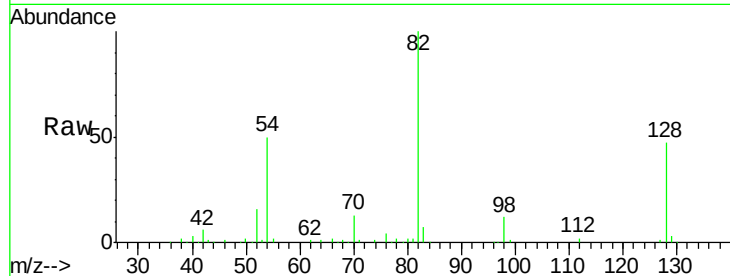
#23
Nitrobenzene-d5
Concen: 33.022 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Instrument :
BNA_F
ClientSampleId :
TPH-FOUND

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	228966		
128	47.3	36.5	54.7	
54	50.5	42.2	63.2	

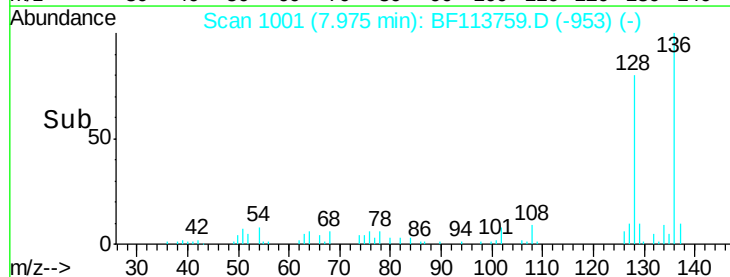
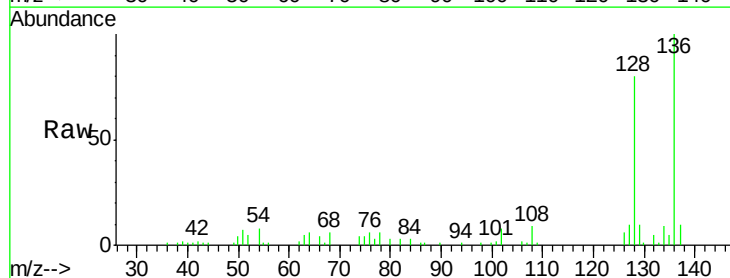
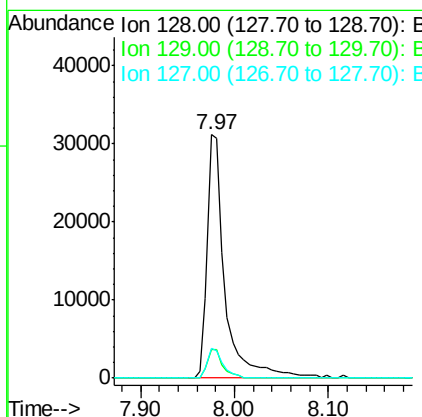
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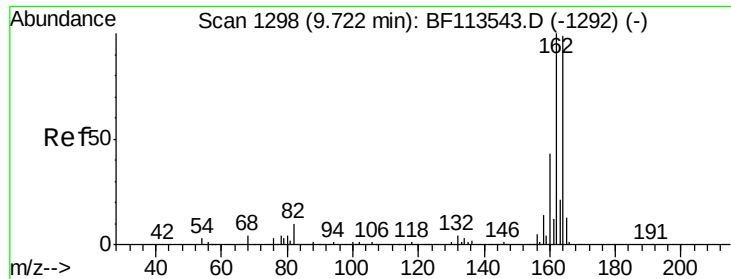
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#31
Naphthalene
Concen: 2.123 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	41771		
129	11.9	9.3	13.9	
127	12.3	10.9	16.3	





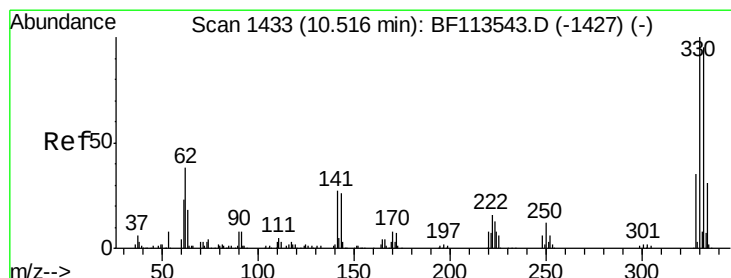
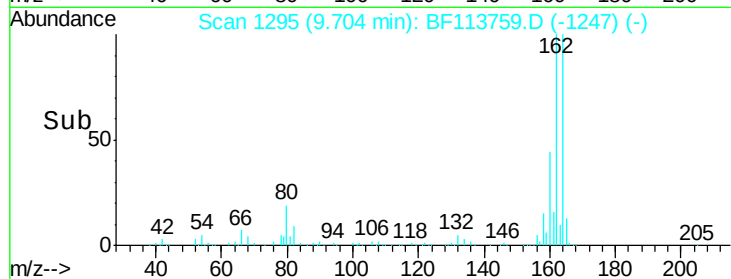
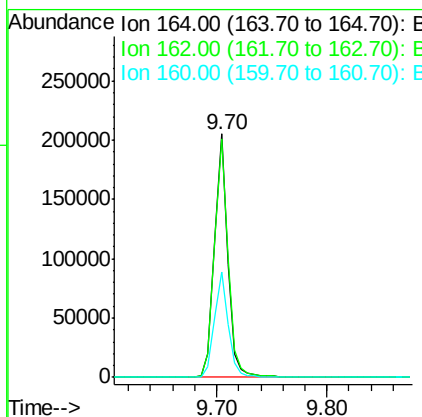
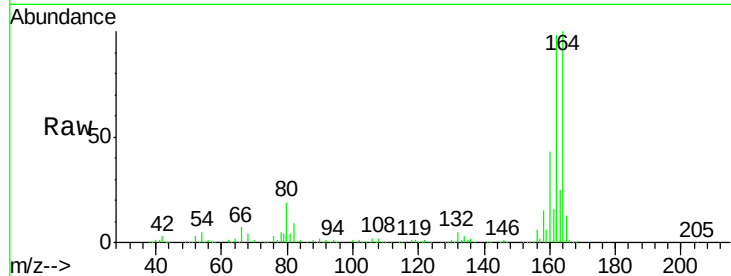
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF113759.D
 Acq: 13 Apr 2019 1:19

Instrument :
 BNA_F
 ClientSampleId :
 TPH-FOUND

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	171564		
162	98.2	81.8	122.6	
160	43.3	36.4	54.6	

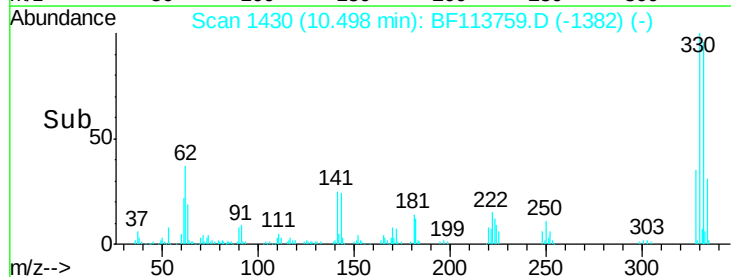
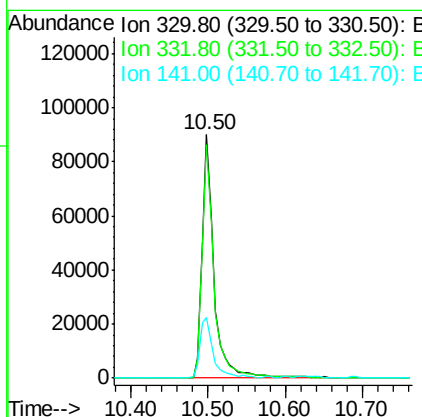
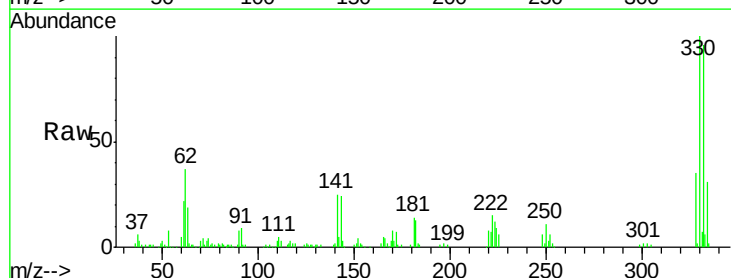
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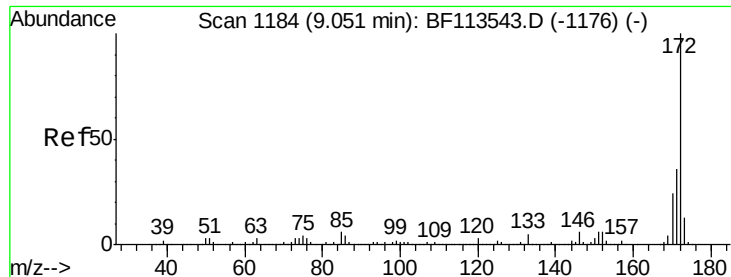
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#42
 2,4,6-Tribromophenol
 Concen: 47.322 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113759.D
 Acq: 13 Apr 2019 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	97526		
332	96.9	77.8	116.6	
141	27.8	22.7	34.1	





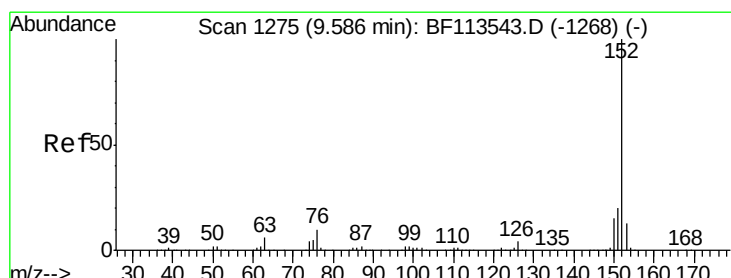
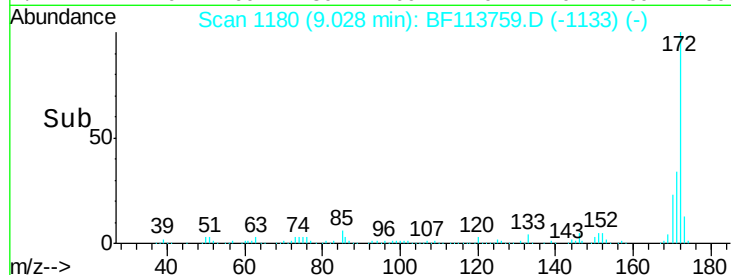
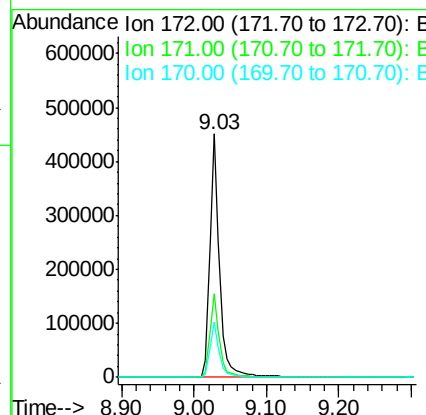
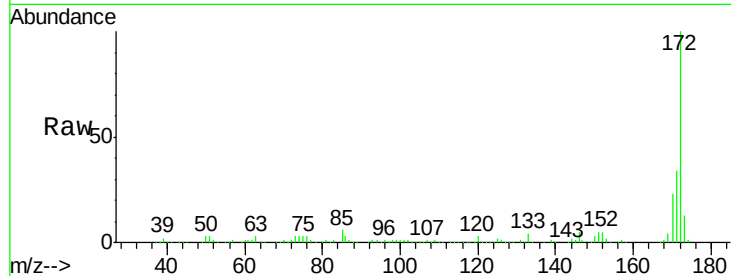
#45
2-Fluorobiphenyl
Concen: 39.434 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100	420248		
171	34.4	29.0	43.6	
170	22.7	19.5	29.3	

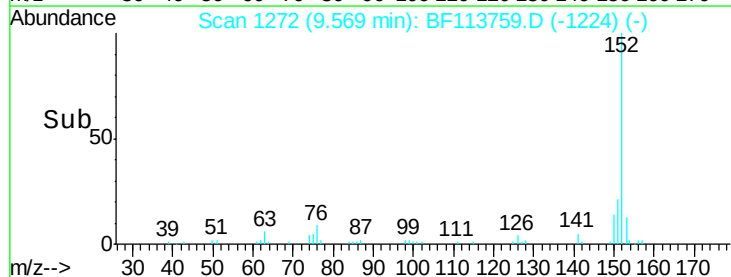
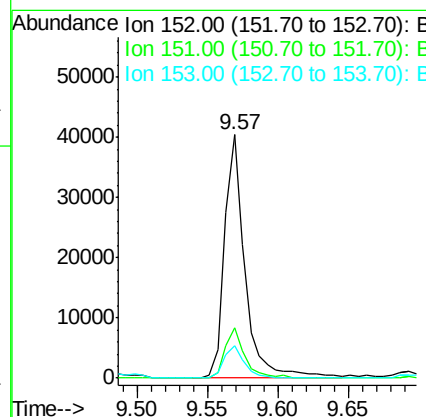
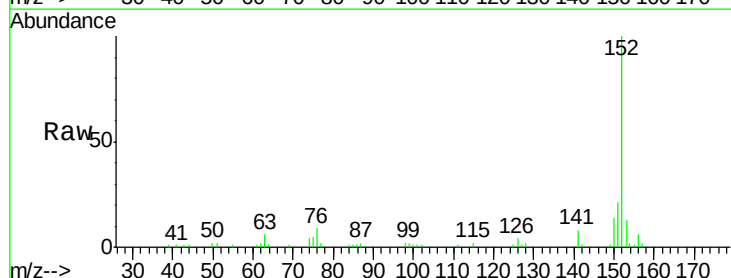
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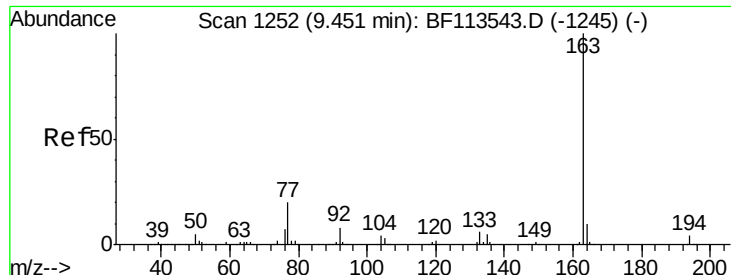
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#49
Acenaphthylene
Concen: 2.355 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	41049		
151	20.5	16.2	24.4	
153	13.3	11.0	16.6	





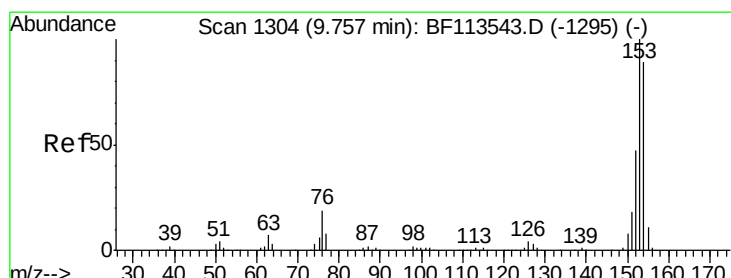
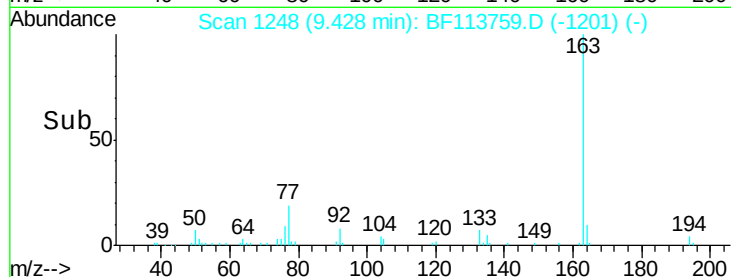
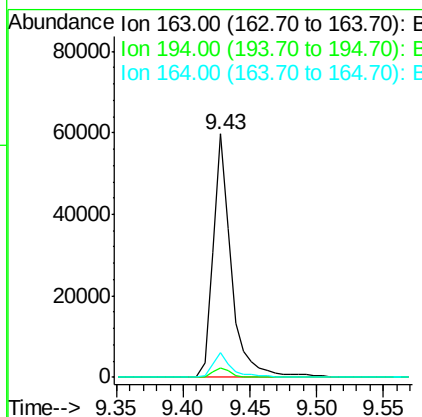
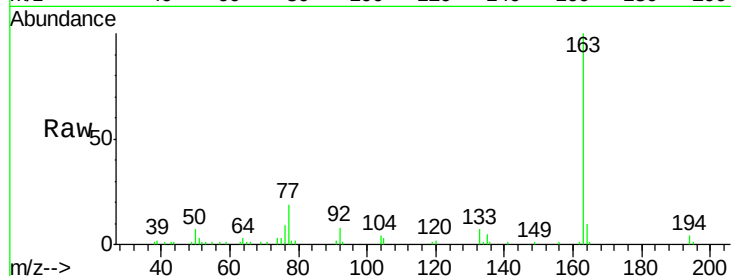
#50
Dimethylphthalate
Concen: 4.530 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Instrument :
BNA_F
ClientSampleId :
TPH-FOUND

Tgt Ion:	163	Resp:	57294
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.6
164	9.9	8.1	12.1

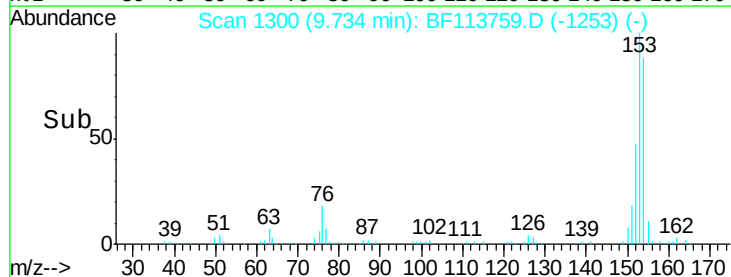
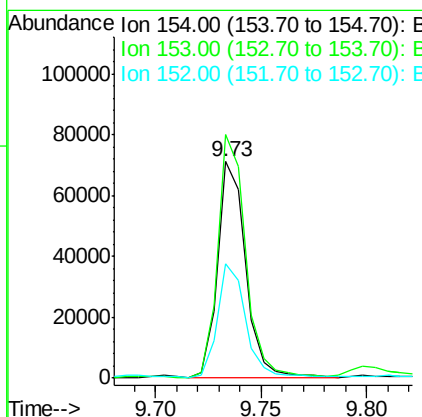
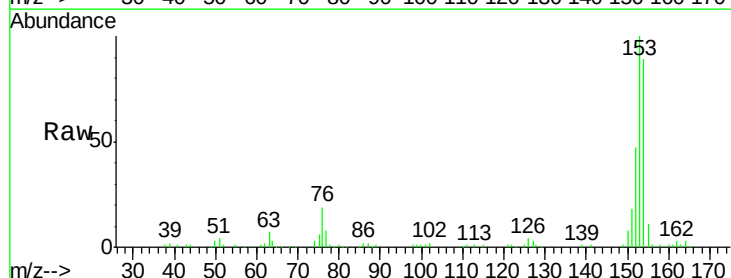
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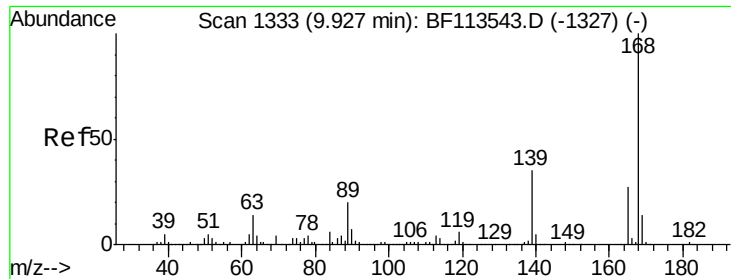
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#52
Acenaphthene
Concen: 6.645 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Tgt Ion:	154	Resp:	66298
Ion Ratio	Lower	Upper	
154	100		
153	112.6	89.5	134.3
152	52.8	43.3	64.9





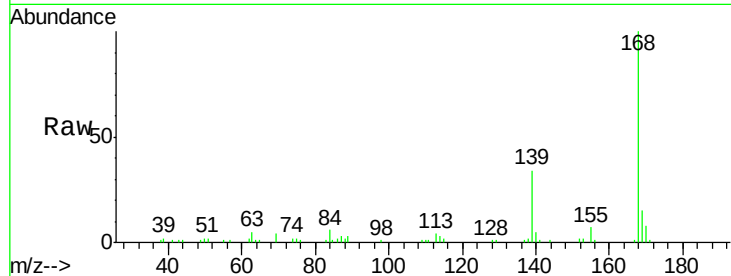
#55
Dibenzenofuran
Concen: 3.454 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Instrument :
BNA_F
ClientSampleId :
TPH-FOUND

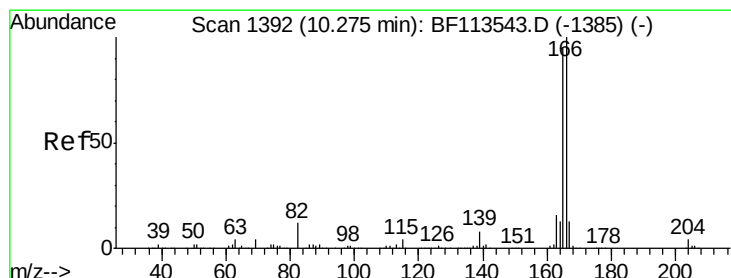
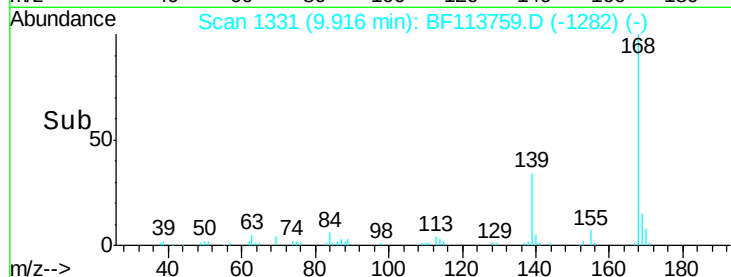
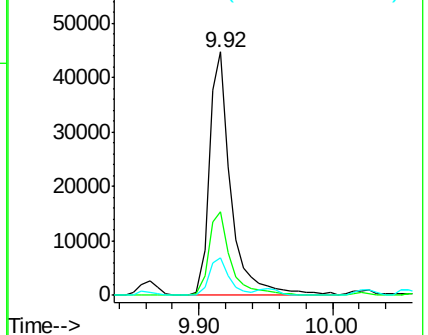
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.3	29.7	44.5
169	15.4	10.7	16.1

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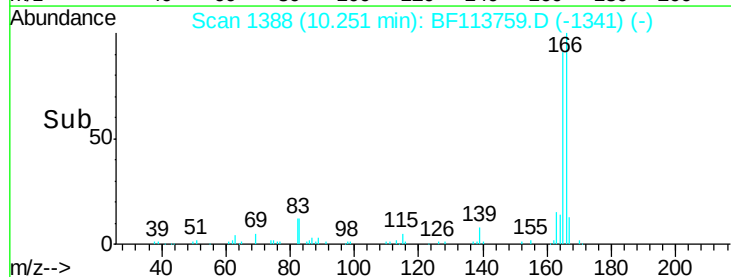
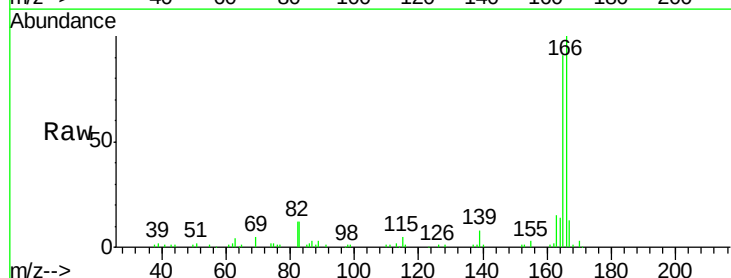
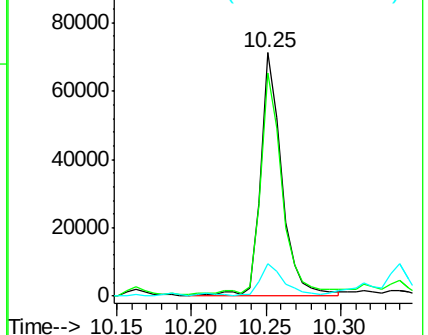
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

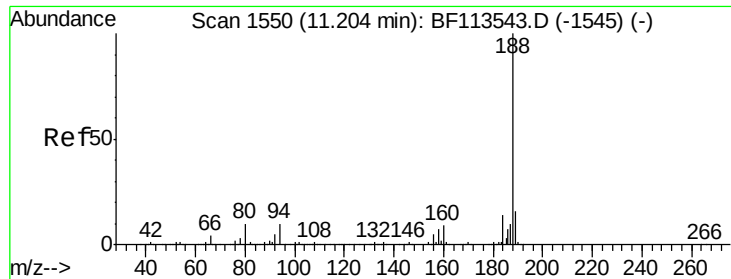


#58
Fluorene
Concen: 6.054 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.4	76.2	114.2
167	13.3	10.7	16.1

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





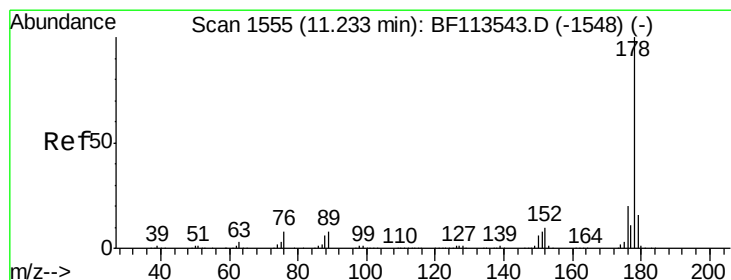
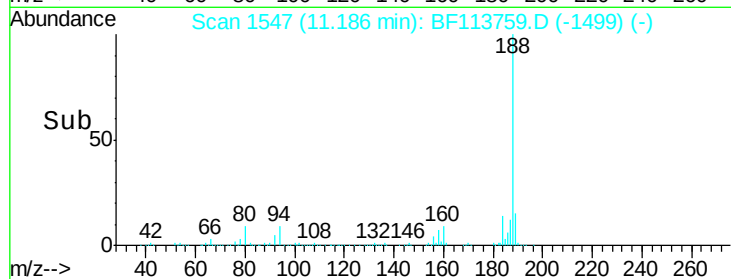
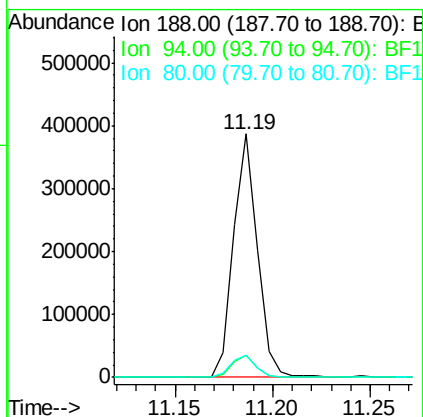
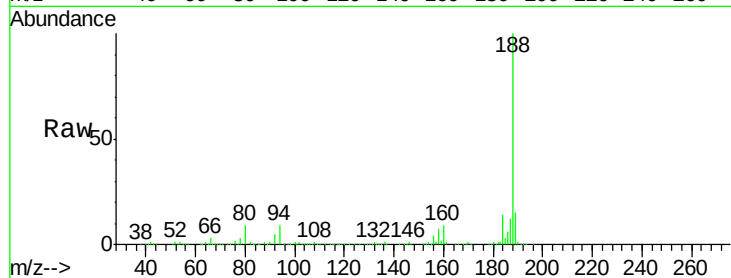
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Instrument :
BNA_F
ClientSampled :
TPH-FOUND

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.9	7.0	10.6
80	9.0	7.7	11.5

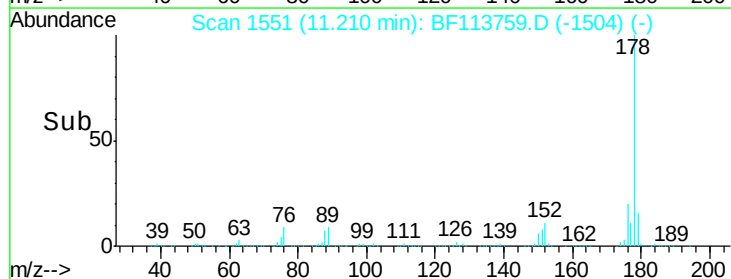
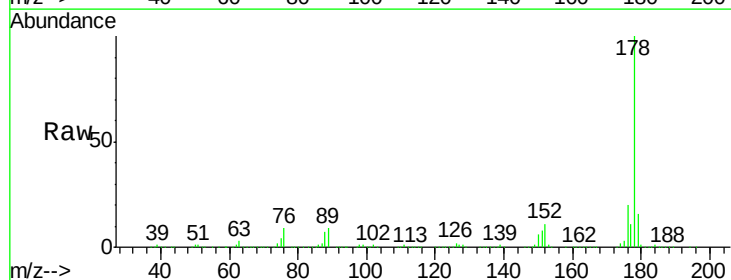
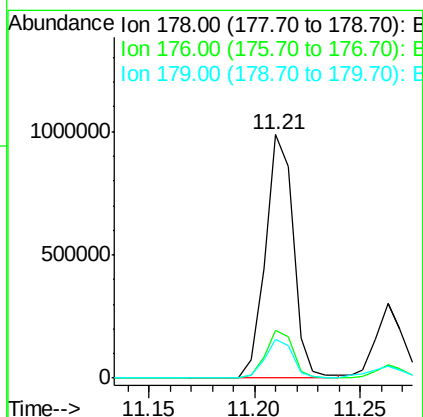
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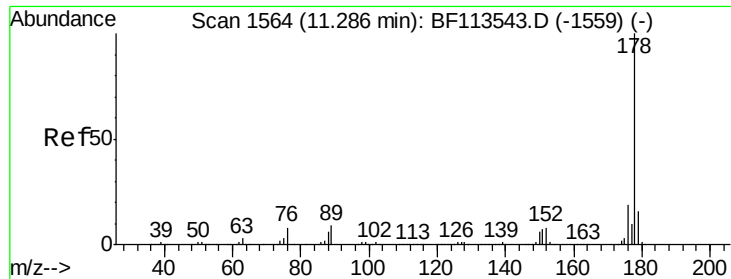
Sohil
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#71
Phenanthrene
Concen: 55.617 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.2	24.2
179	15.8	12.7	19.1





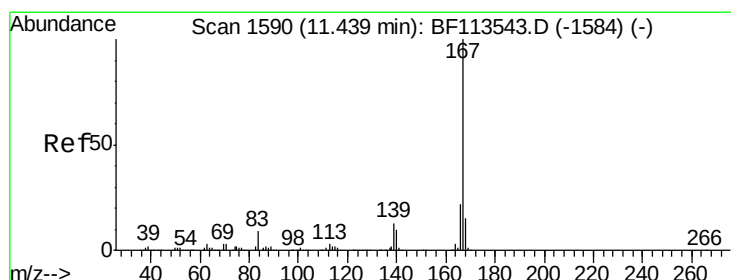
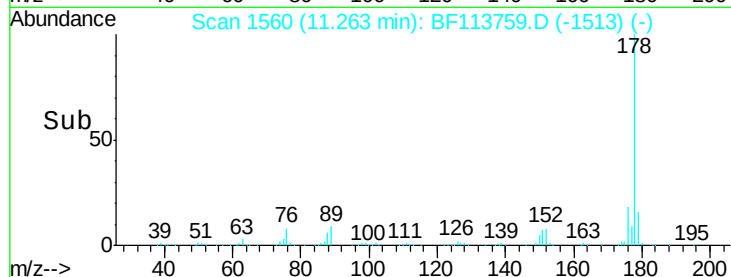
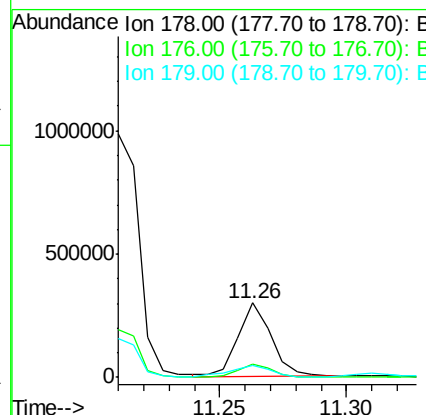
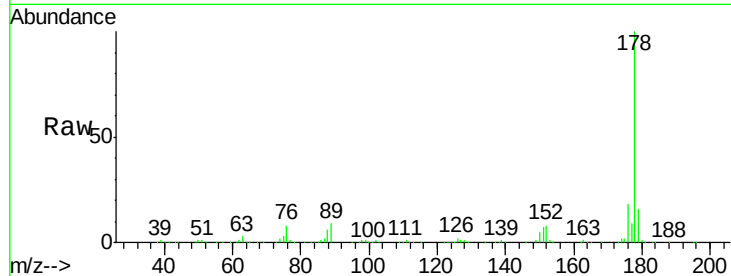
#72
 Anthracene
 Concen: 16.158 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.02 min
 Lab File: BF113759.D
 Acq: 13 Apr 2019 1:19

Instrument :
 BNA_F
 ClientSampleId :
 TPH-FOUND

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	269304		
176	18.0		15.4	23.2
179	16.2		12.8	19.2

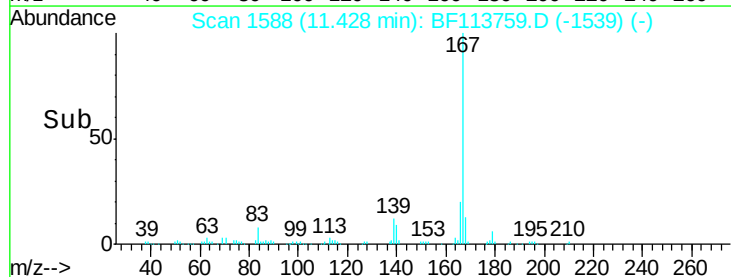
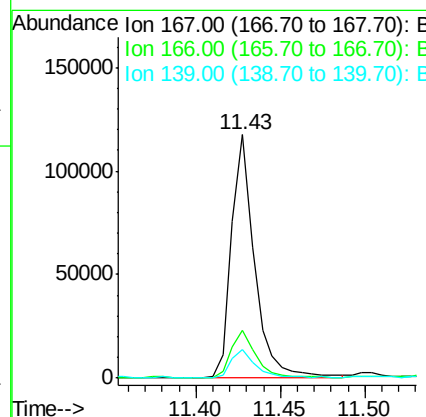
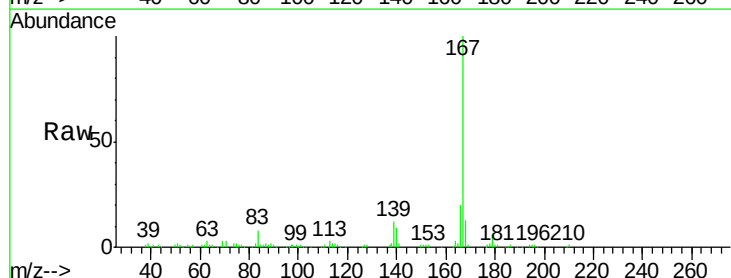
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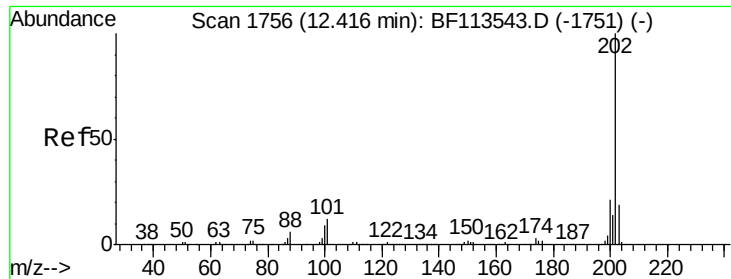
Sohil
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#73
 Carbazole
 Concen: 7.232 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF113759.D
 Acq: 13 Apr 2019 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	112739		
166	19.8		17.4	26.0
139	11.8		10.4	15.6





#75

Fluoranthene

Concen: 97.436 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113759.D

Acq: 13 Apr 2019 1:19

Instrument :

BNA_F

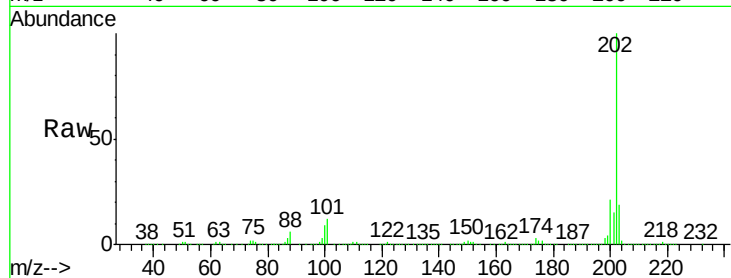
ClientSampleId :

TPH-FOUND

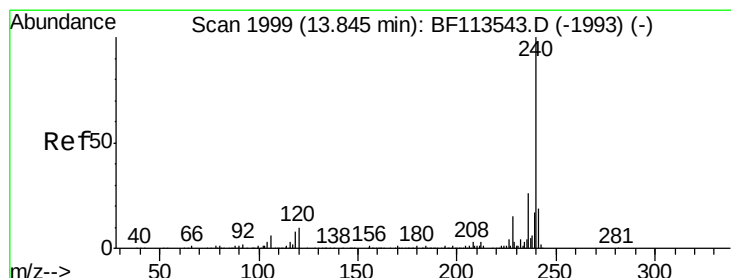
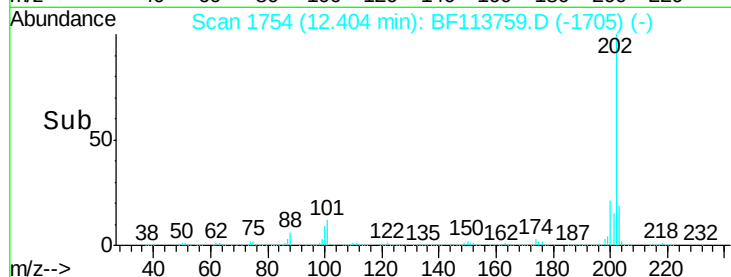
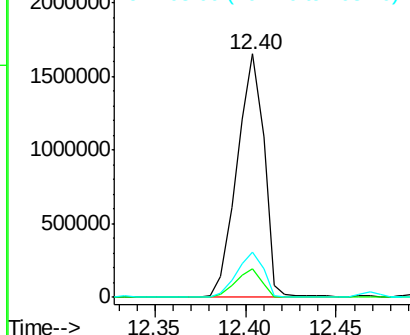
Tgt Ion:	202	Resp:	1710402
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.4
203	18.6	0.0	38.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

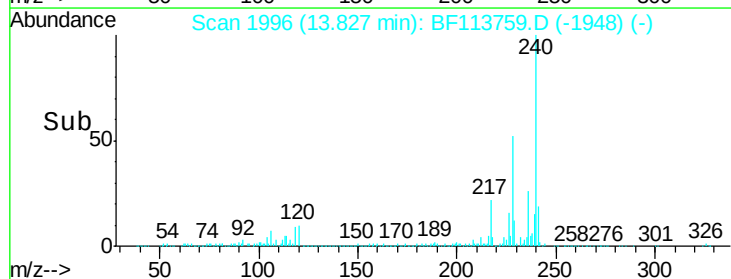
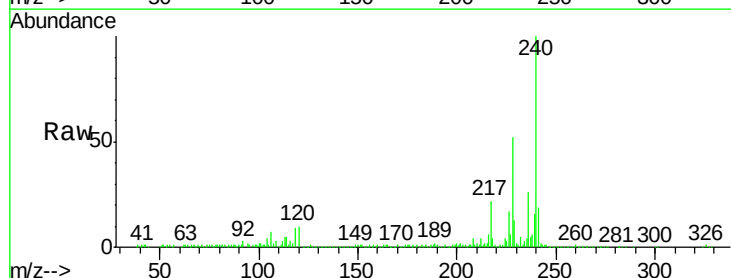
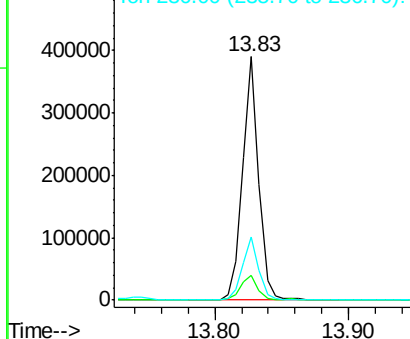
Delta R.T. -0.02 min

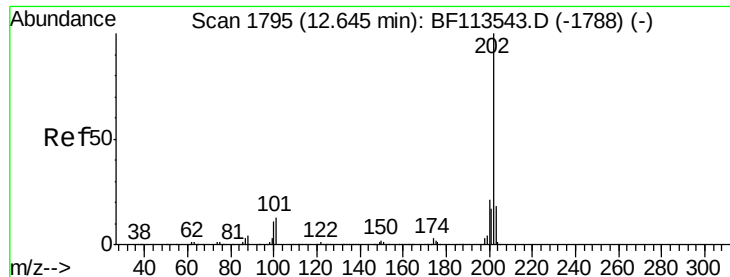
Lab File: BF113759.D

Acq: 13 Apr 2019 1:19

Tgt Ion:	240	Resp:	325935
Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.8	13.2
236	25.9	20.9	31.3

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78
 Pyrene
 Concen: 64.149 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF113759.D
 Acq: 13 Apr 2019 1:19

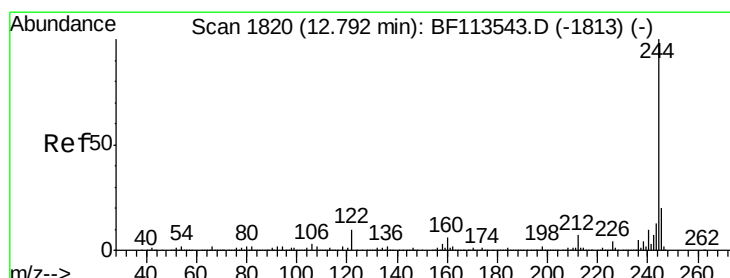
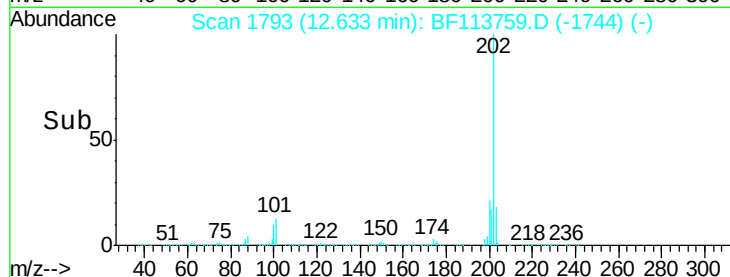
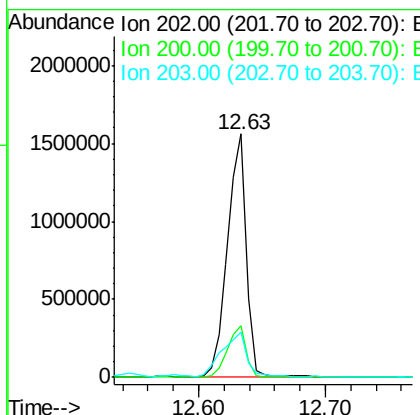
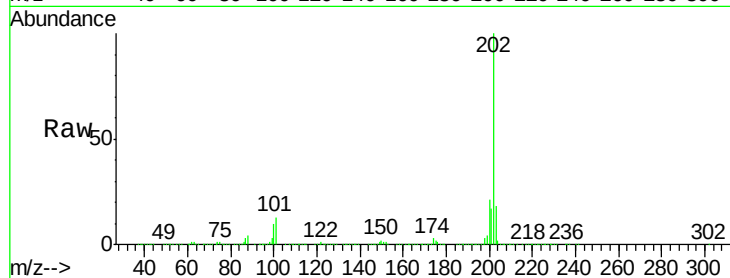
Instrument :
 BNA_F
 ClientSampleId :
 TPH-FOUND

Tgt Ion: 202 Resp: 1590893

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.3	14.4	21.6

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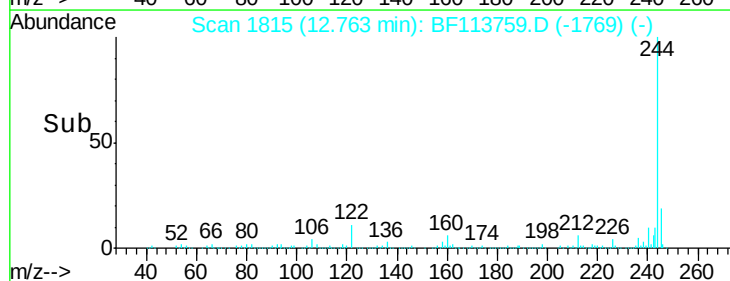
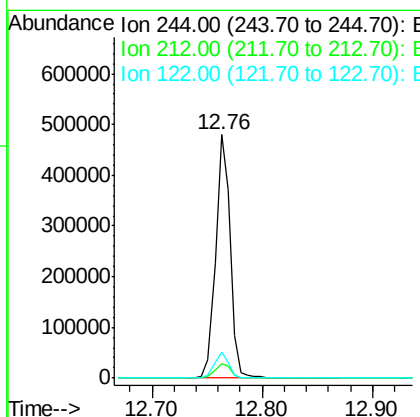
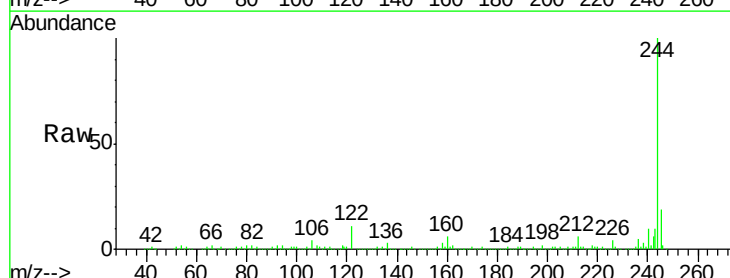
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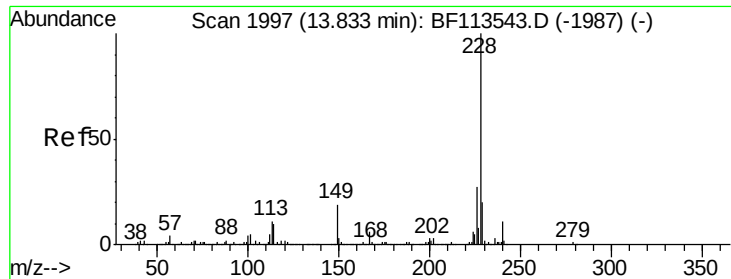


#79
 Terphenyl-d14
 Concen: 27.112 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.03 min
 Lab File: BF113759.D
 Acq: 13 Apr 2019 1:19

Tgt Ion: 244 Resp: 434027

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	10.9	8.6	13.0





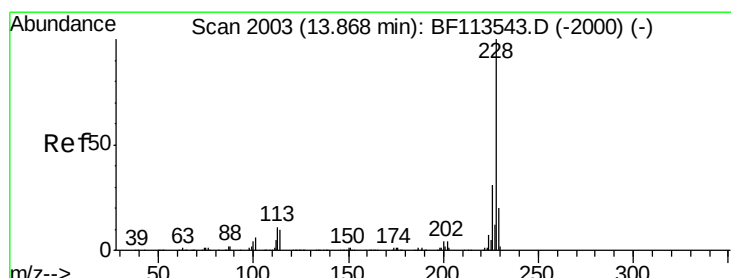
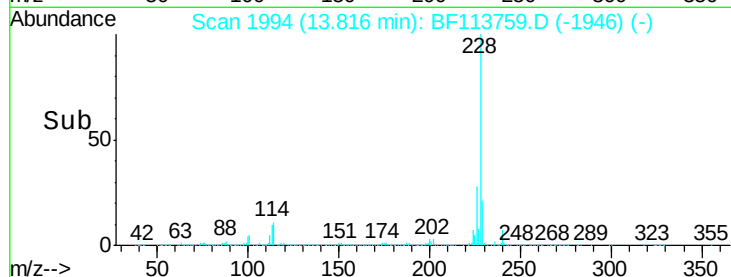
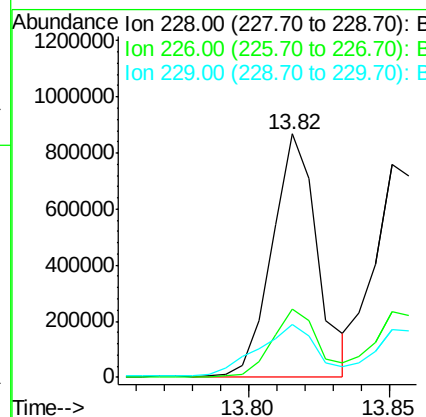
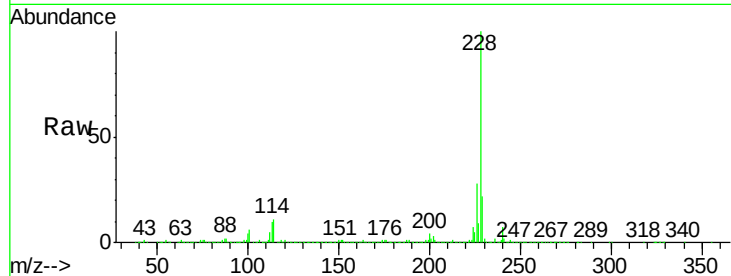
#81
Benzo(a)anthracene
Concen: 50.931 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Instrument :
BNA_F
ClientSampled :
TPH-FOUND

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.8
229	21.5	16.2	24.4

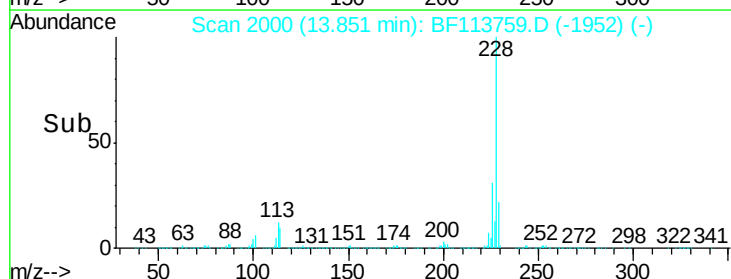
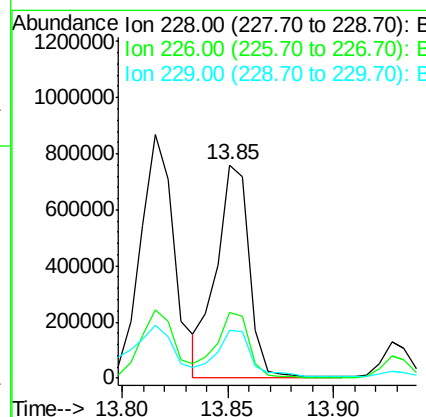
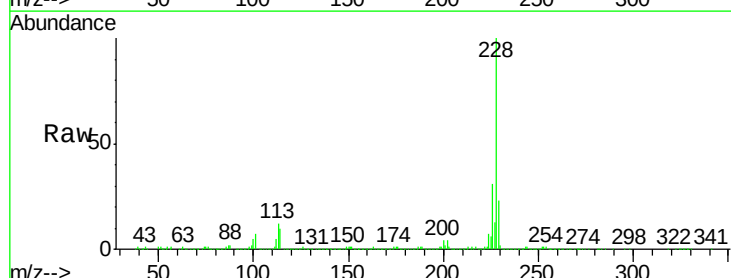
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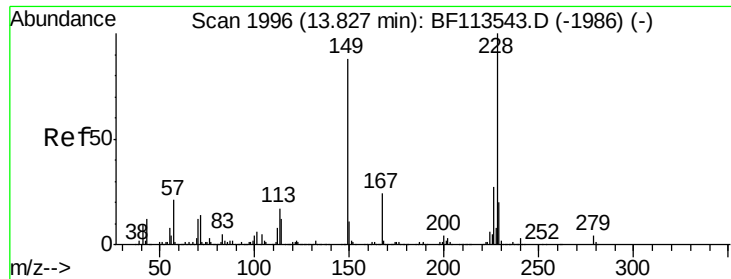
Sohil
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#83
Chrysene
Concen: 42.789 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	22.6	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.585 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113759.D

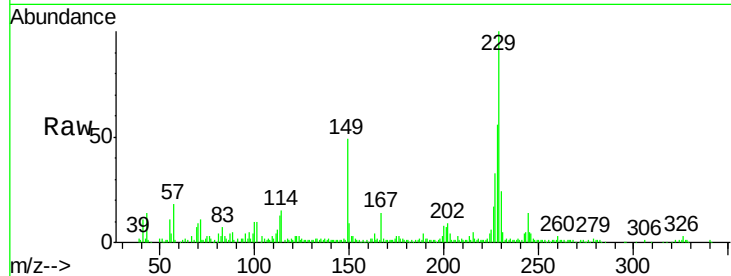
Acq: 13 Apr 2019 1:19

Instrument :

BNA_F

ClientSampled :

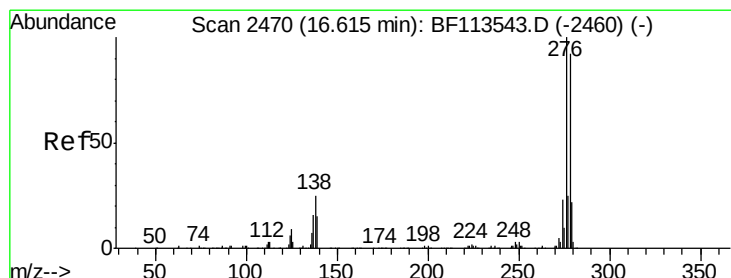
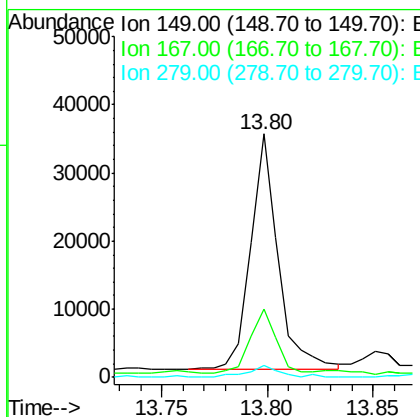
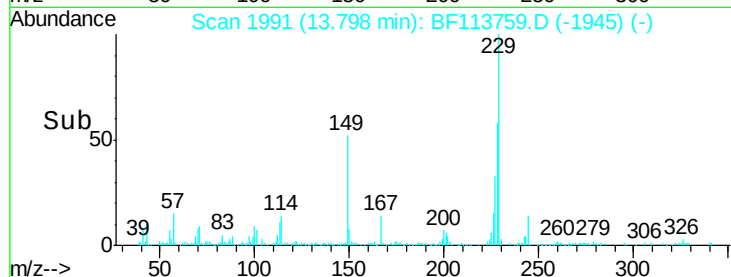
TPH-FOUND



Tgt Ion:	149	Resp:	31554
Ion Ratio	Lower	Upper	
149	100		
167	28.1	21.8	32.8
279	4.9	2.9	4.3#

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#86

Indeno(1,2,3-cd)pyrene

Concen: 18.456 ng

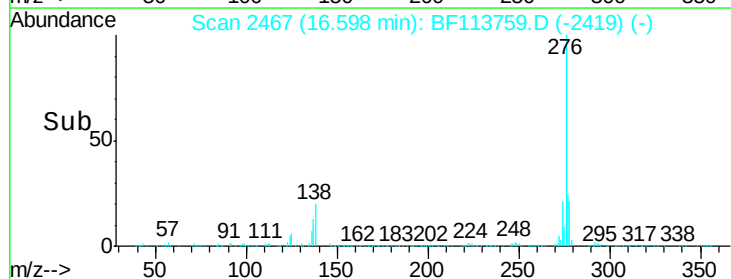
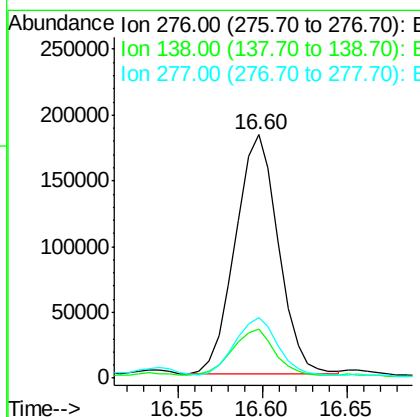
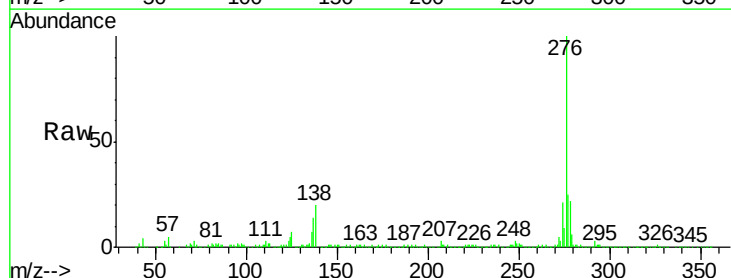
RT: 16.60 min Scan# 2467

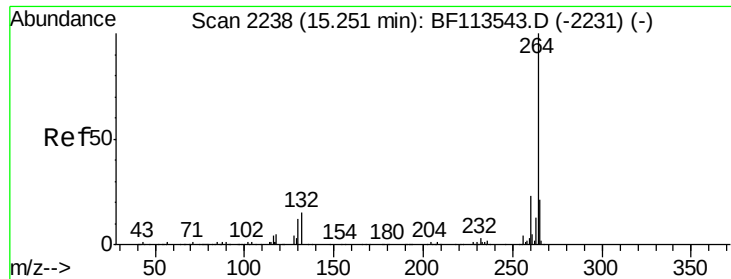
Delta R.T. -0.02 min

Lab File: BF113759.D

Acq: 13 Apr 2019 1:19

Tgt Ion:	276	Resp:	324772
Ion Ratio	Lower	Upper	
276	100		
138	20.0	18.1	27.1
277	24.1	20.2	30.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113759.D

Acq: 13 Apr 2019 1:19

Instrument :

BNA_F

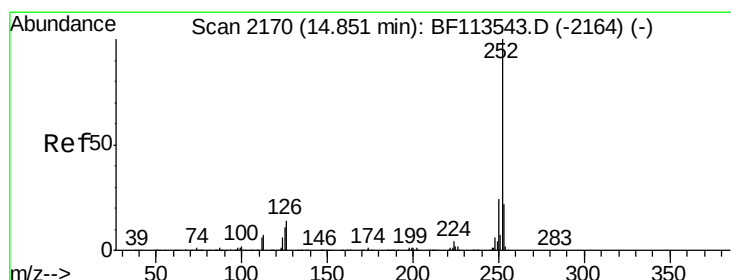
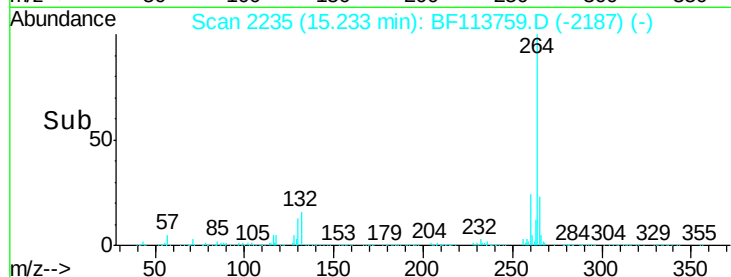
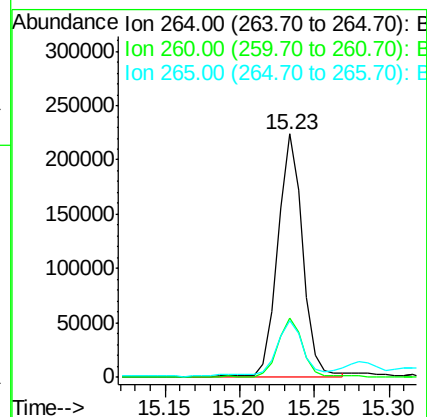
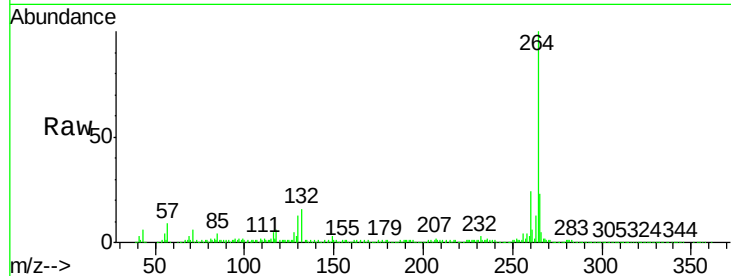
ClientSampleId :

TPH-FOUND

Tgt Ion:	264	Resp:	258056
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.1	28.7
265	23.4	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 59.260 ng m

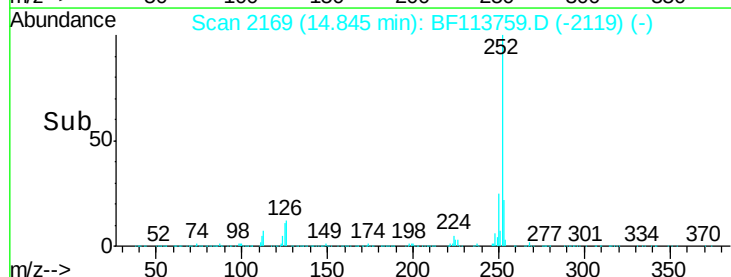
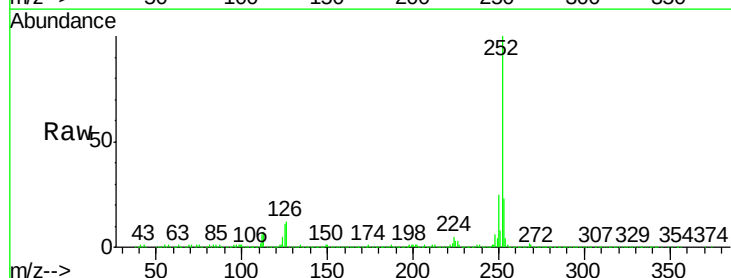
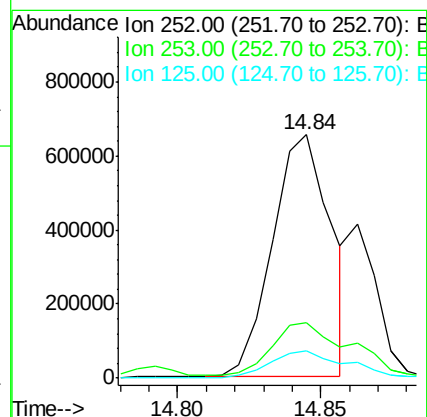
RT: 14.84 min Scan# 2169

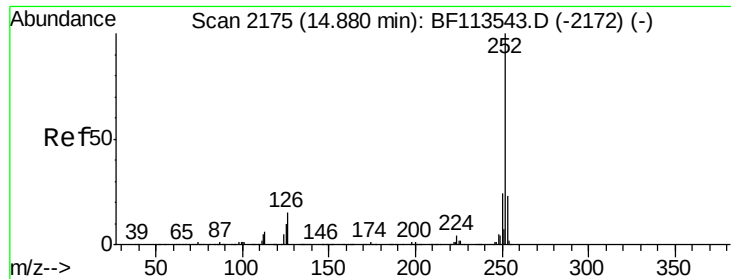
Delta R.T. -0.01 min

Lab File: BF113759.D

Acq: 13 Apr 2019 1:19

Tgt Ion:	252	Resp:	936090
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	11.1	7.6	11.4





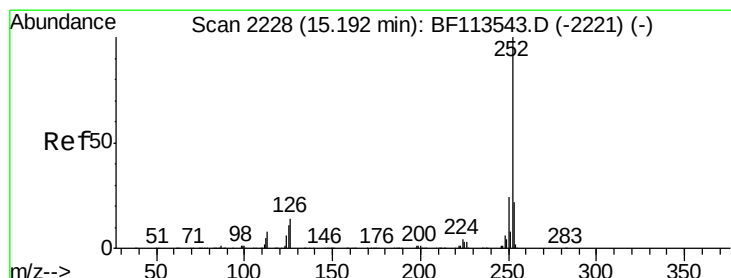
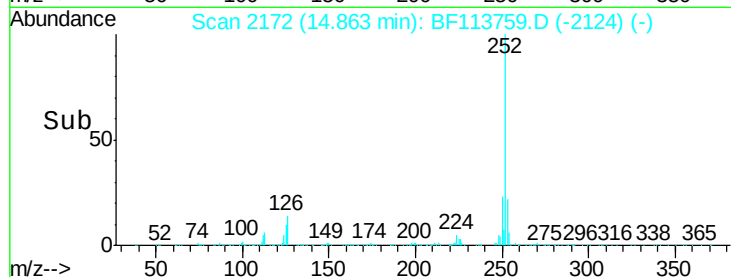
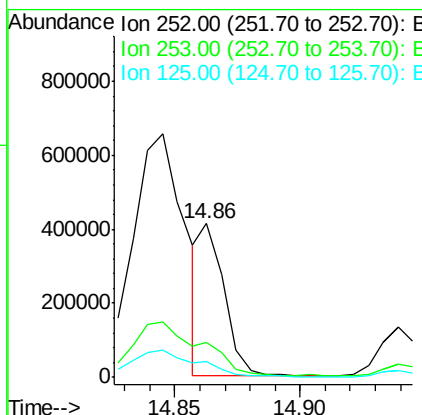
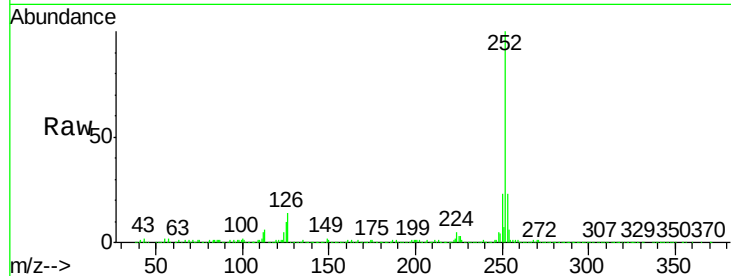
#89
Benzo(k)fluoranthene
Concen: 19.599 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Instrument :
BNA_F
ClientSampled :
TPH-FOUND

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	10.2	7.3	10.9

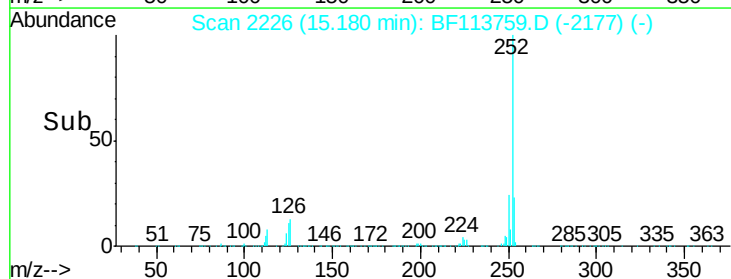
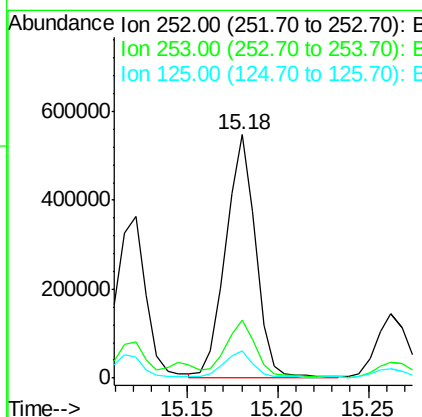
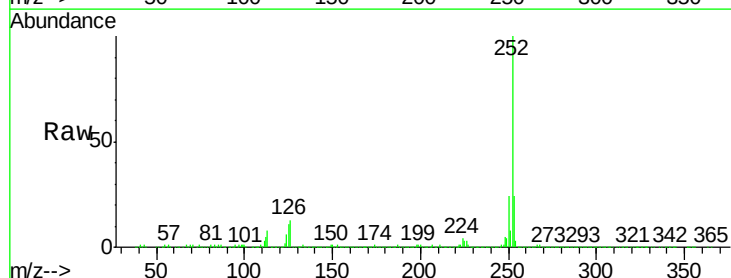
Manual Integrations
APPROVED

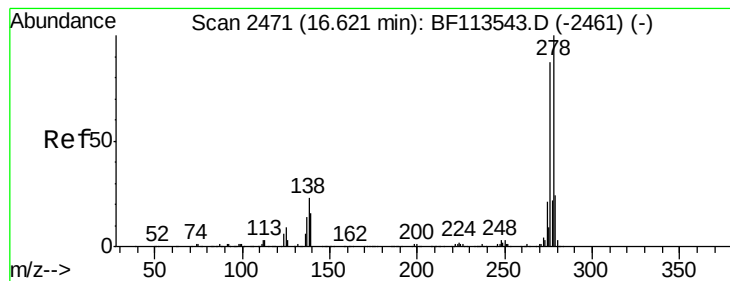
Sohil
4/15/2019 12:27:01 AM



#90
Benzo(a)pyrene
Concen: 44.382 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113759.D
Acq: 13 Apr 2019 1:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	11.1	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 6.191 ng m

RT: 16.59 min Scan# 2466

Delta R.T. -0.03 min

Lab File: BF113759.D

Acq: 13 Apr 2019 1:19

Instrument :

BNA_F

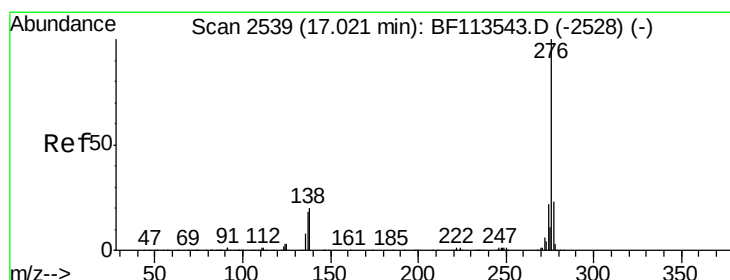
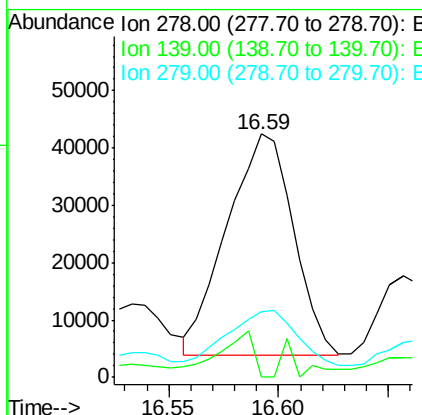
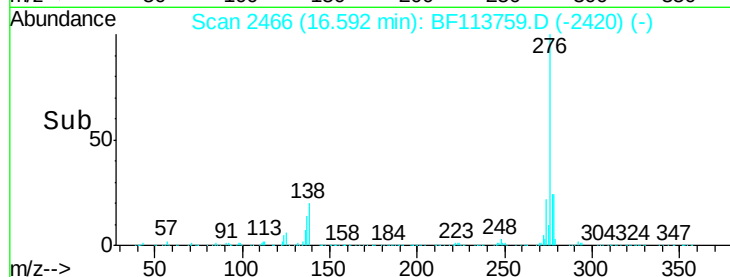
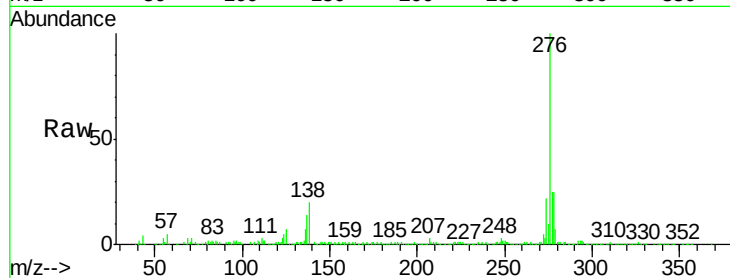
ClientSampleId :

TPH-FOUND

Tgt Ion:	278	Resp:	81262
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.0	18.0#
279	26.9	19.0	28.6

Manual Integrations
APPROVED

Sohil
4/15/2019 12:27:01 AM



#92

Benzo(g,h,i)perylene

Concen: 22.942 ng

RT: 17.01 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BF113759.D

Acq: 13 Apr 2019 1:19

Tgt Ion:	276	Resp:	307373
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.8	28.2
138	19.9	15.6	23.4

