

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
 Data File : BF113567.D
 Acq On : 4 Apr 2019 2:49
 Operator : JU/SJ
 Sample : K2203-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-040219-B

Manual Integrations
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 4/4/2019 10:58:08 AM

Quant Time: Apr 04 07:28:50 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	6.69	152	118700	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	405394	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	175347	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	356230	20.00	ng	0.00
76) Chrysene-d12	13.84	240	295826	20.00	ng	0.00
87) Perylene-d12	15.26	264	228022	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	347218	49.88	ng	0.00
7) Phenol-d6	6.33	99	438870	51.15	ng	0.00
23) Nitrobenzene-d5	7.25	82	236022	34.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	103511	49.14	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	450819	41.39	ng	0.00
79) Terphenyl-d14	12.79	244	540125	37.17	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.44	163	37590	2.908	ng	99
52) Acenaphthene	9.75	154	54493	5.344	ng	95
55) Dibenzofuran	9.93	168	42967	2.872	ng	94
58) Fluorene	10.27	166	90075	7.613	ng	99
71) Phenanthrene	11.23	178	1089526	61.551	ng	100
72) Anthracene	11.28	178	318053	17.660	ng	99
73) Carbazole	11.44	167	55414	3.290	ng	96
75) Fluoranthene	12.43	202	1737925	91.623	ng	99
78) Pyrene	12.65	202	1519476	67.505	ng	99
81) Benzo(a)anthracene	13.83	228	692916	40.605	ng	98
83) Chrysene	13.87	228	572627	33.102	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	240617	15.065	ng	94
88) Benzo(b)fluoranthene	14.86	252	594353m	42.582	ng	
89) Benzo(k)fluoranthene	14.88	252	194637m	15.538	ng	
90) Benzo(a)pyrene	15.20	252	403869	32.563	ng	98
91) Dibenzo(a,h)anthracene	16.63	278	60013	5.174	ng	# 81
92) Benzo(g,h,i)perylene	17.03	276	239278	20.212	ng	97

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

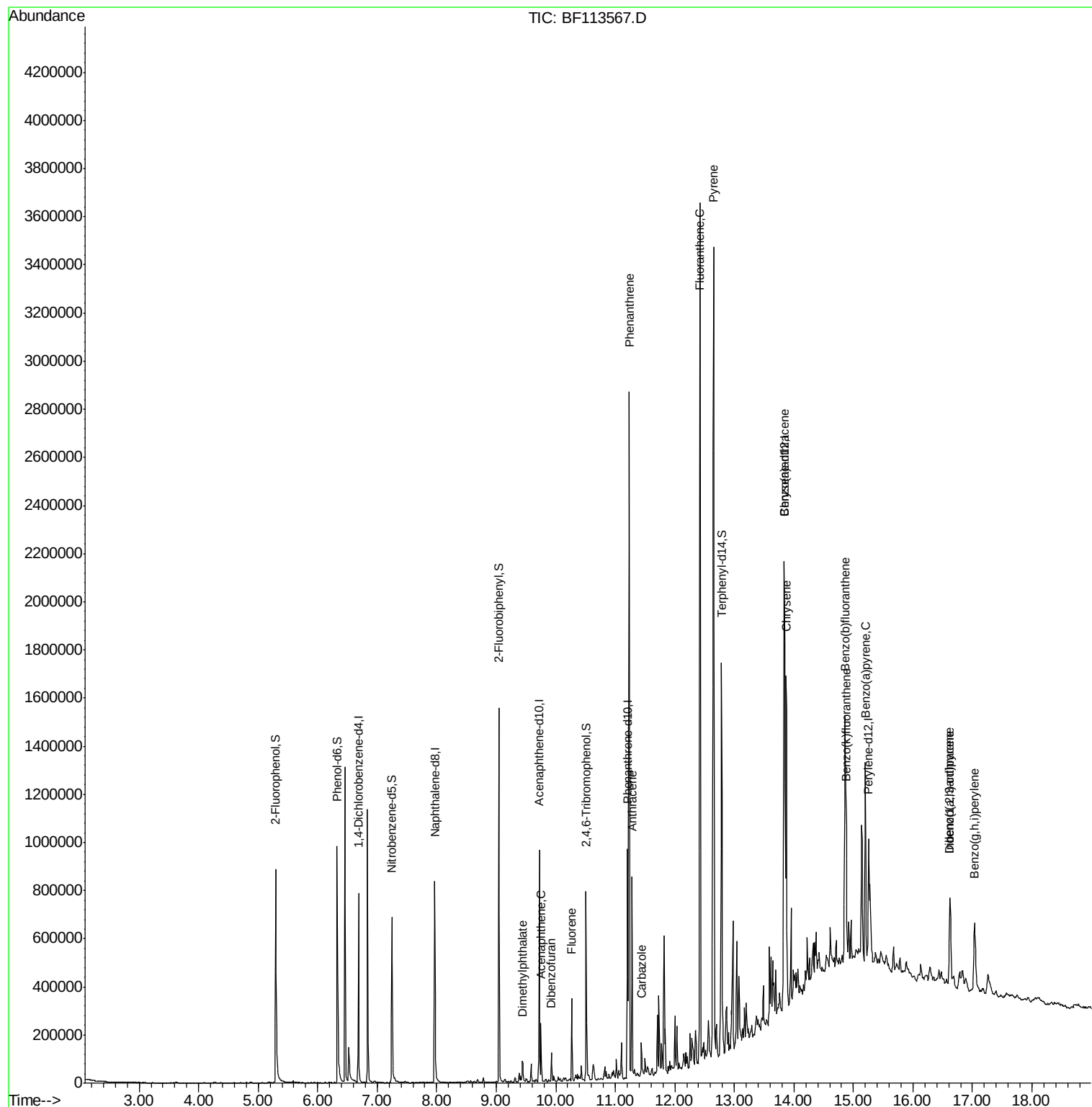
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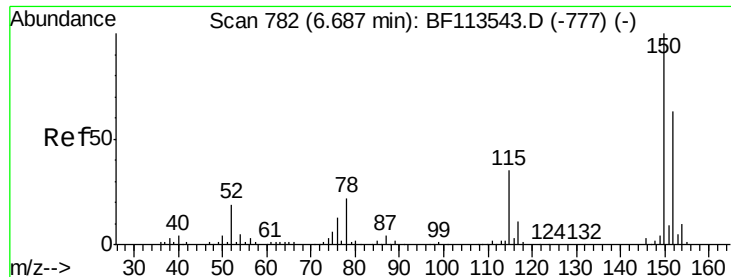
Instrument :
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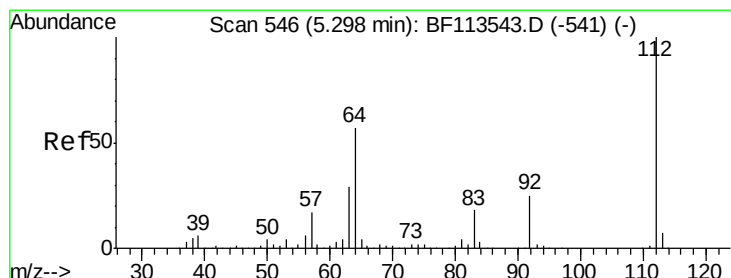
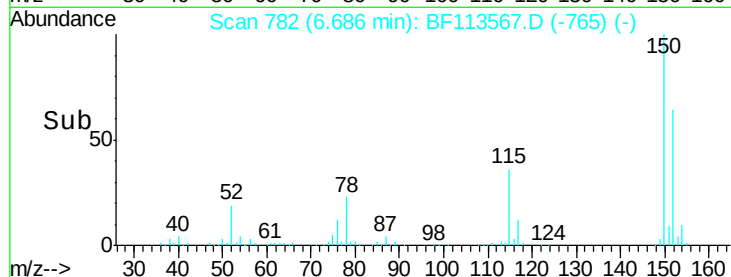
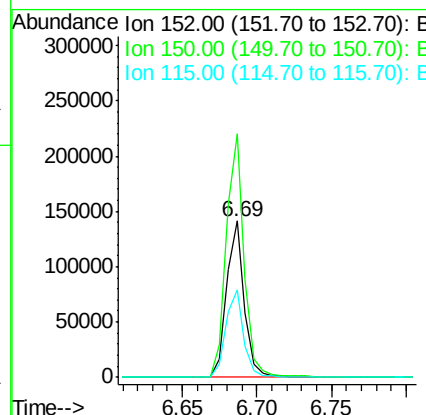
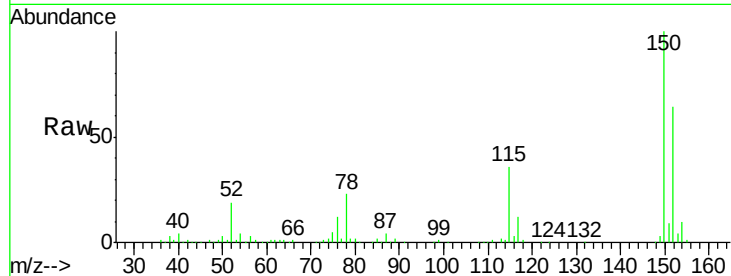
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: BF113567.D
 Acq: 4 Apr 2019 2:49

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-040219-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.7	187.1
115	56.1	46.0	69.0

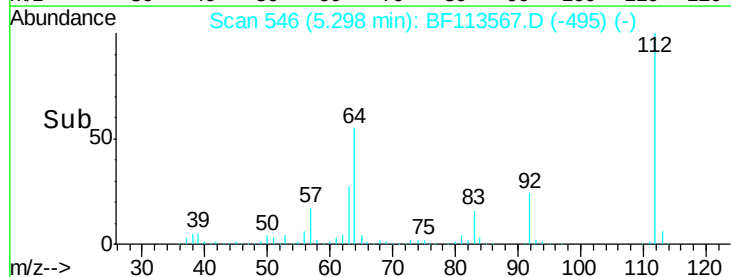
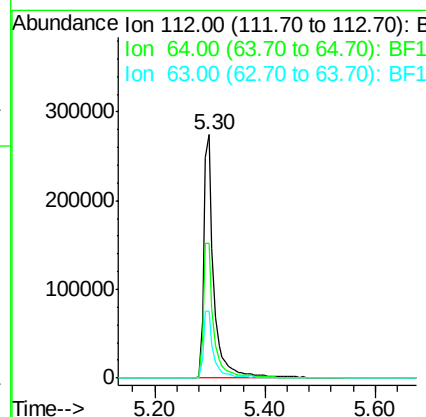
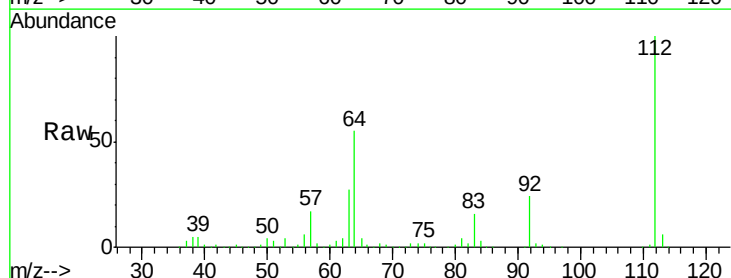
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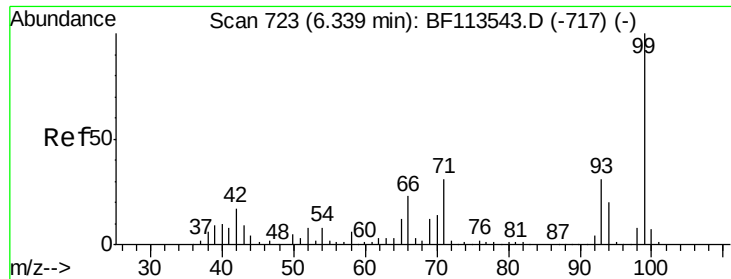
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#5
 2-Fluorophenol
 Concen: 49.881 ng
 RT: 5.30 min Scan# 546
 Delta R.T. -0.00 min
 Lab File: BF113567.D
 Acq: 4 Apr 2019 2:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	49.2	73.8
63	27.3	24.9	37.3





#7

Phenol-d6

Concen: 51.154 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Instrument :

BNA_F

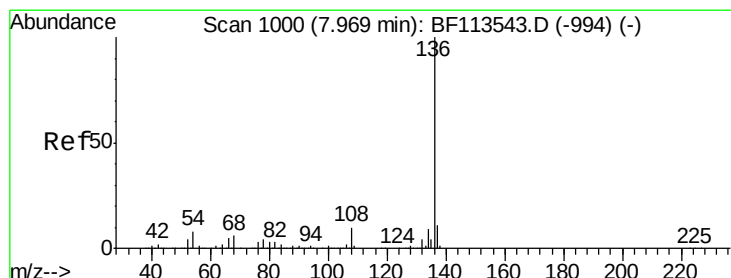
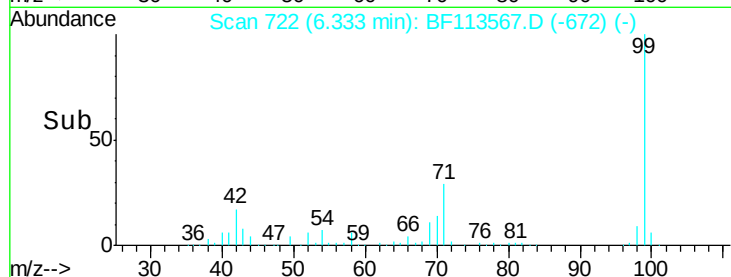
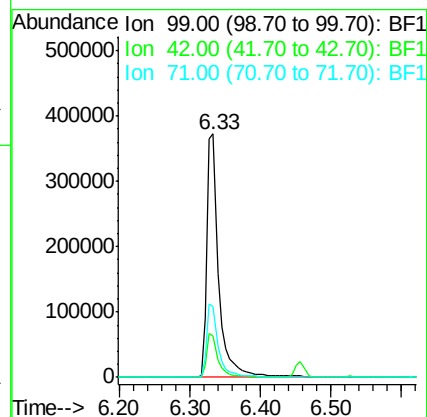
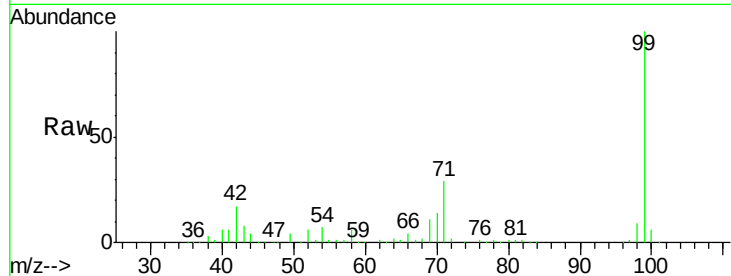
ClientSampleId :

SU-03-040219-B

Tgt Ion:	99	Resp:	438870
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.8	22.2
71	29.1	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

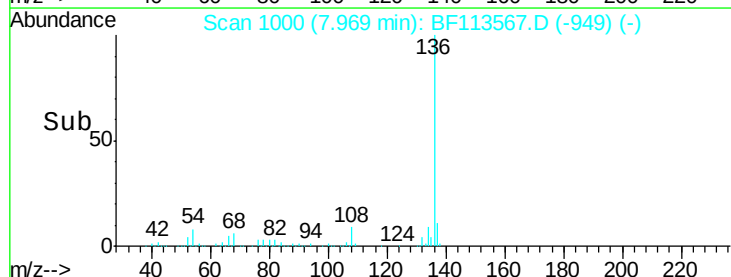
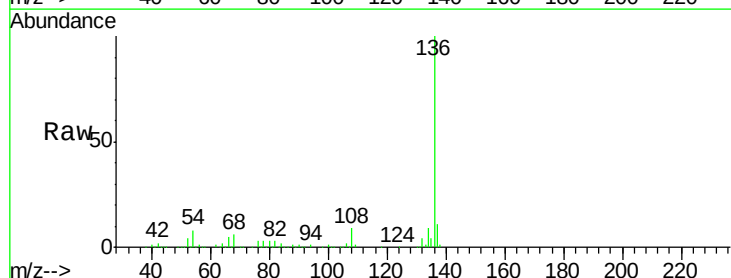
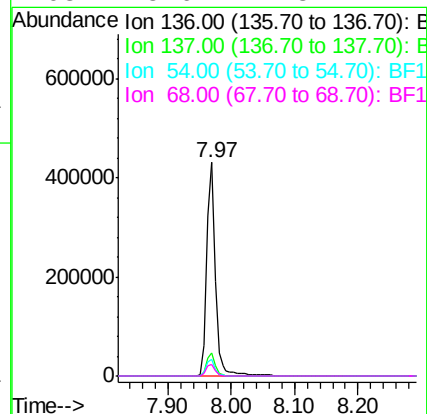
RT: 7.97 min Scan# 1000

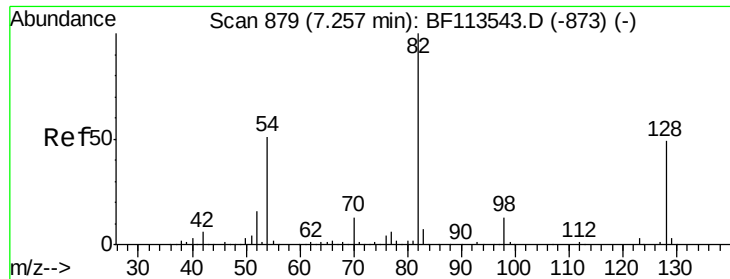
Delta R.T. -0.00 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Tgt Ion:	136	Resp:	405394
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.7	7.0	10.6
68	5.6	4.8	7.2





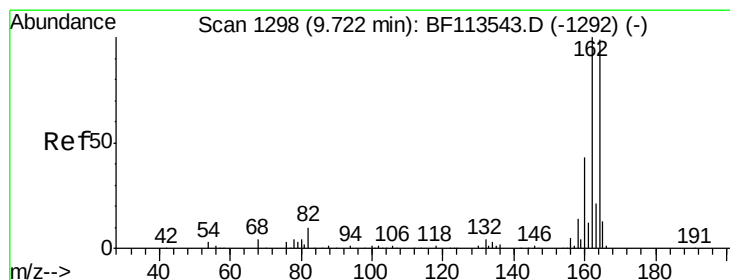
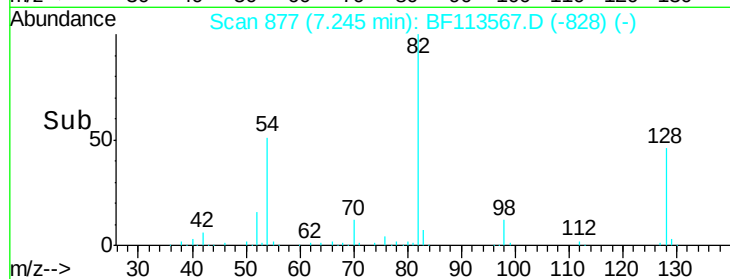
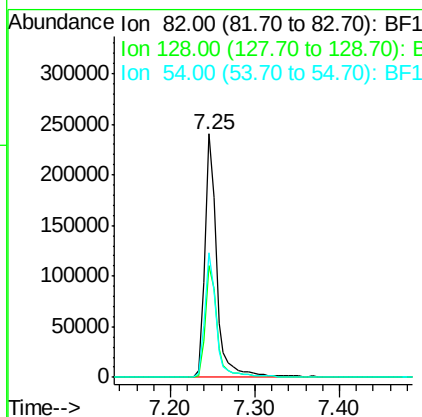
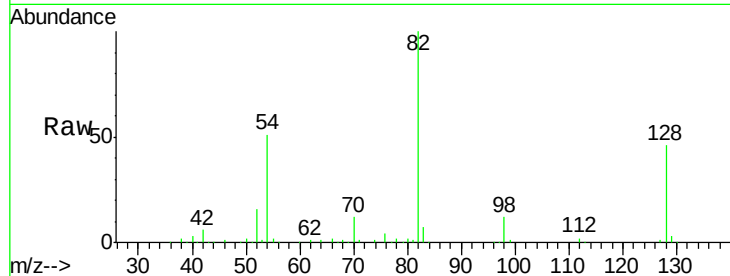
#23
 Nitrobenzene-d5
 Concen: 34.103 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF113567.D
 Acq: 4 Apr 2019 2:49

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 ClientSampleId :
 SU-03-040219-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	236022		
128	45.9	36.5	54.7	
54	51.2	42.2	63.2	

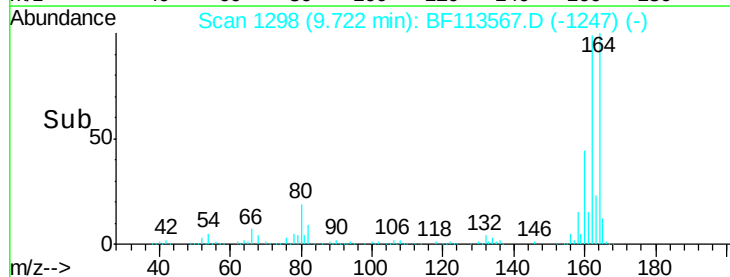
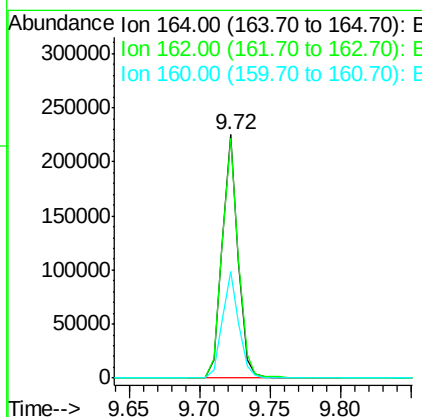
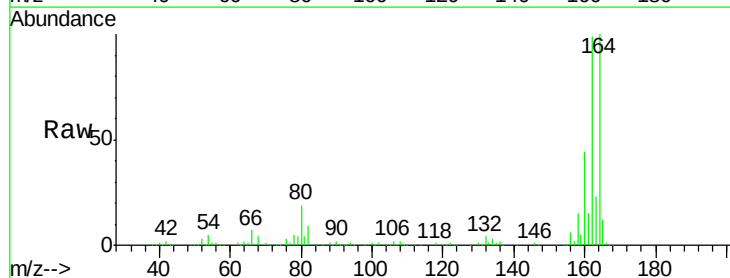
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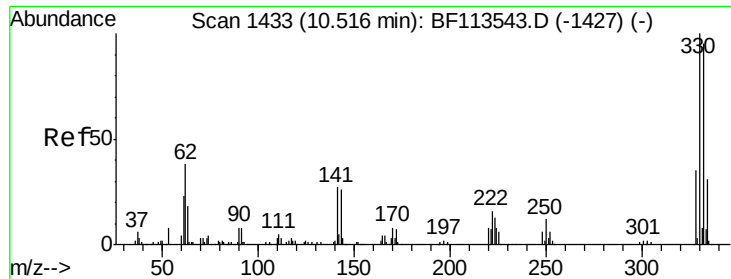
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: BF113567.D
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175347		
162	98.6	81.8	122.6	
160	44.0	36.4	54.6	





#42

2,4,6-Tribromophenol

Concen: 49.142 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Instrument :

BNA_F

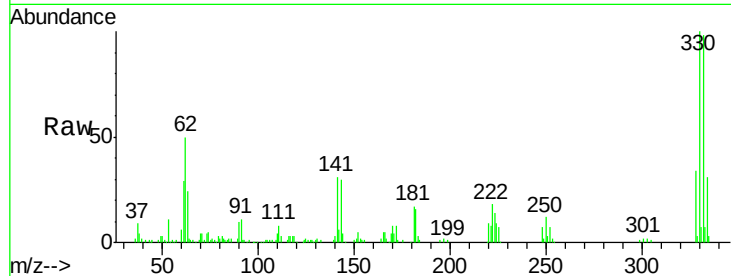
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SU-03-040219-B

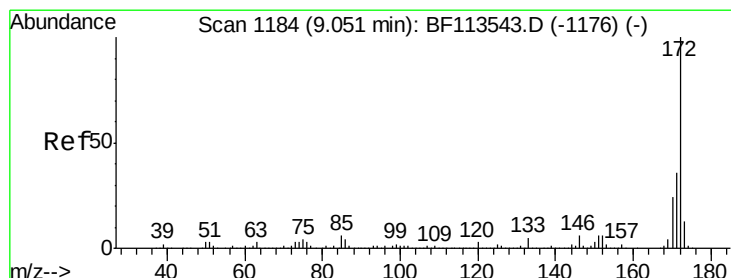
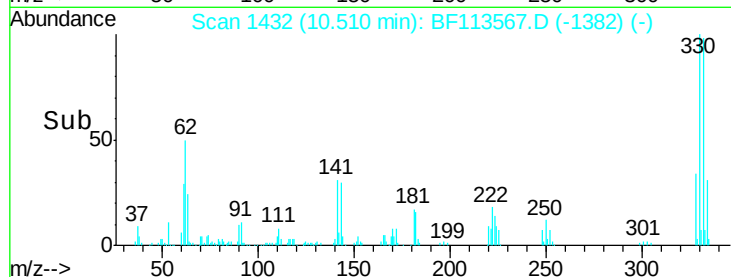
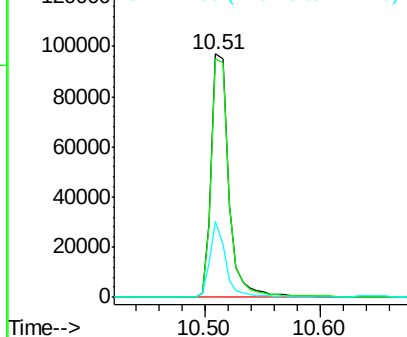
Tgt Ion:	330	Resp:	103511
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.8	116.6
141	28.5	22.7	34.1

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 41.390 ng

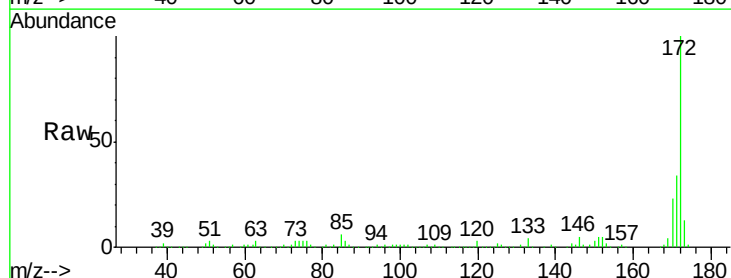
RT: 9.05 min Scan# 1183

Delta R.T. -0.01 min

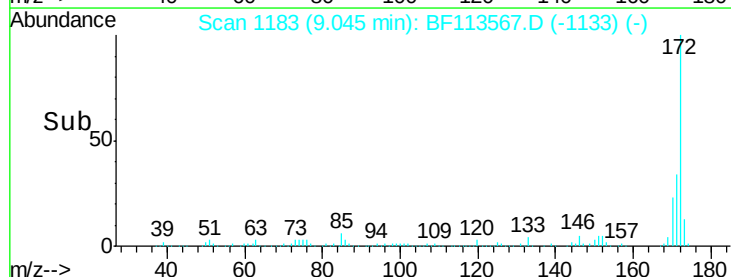
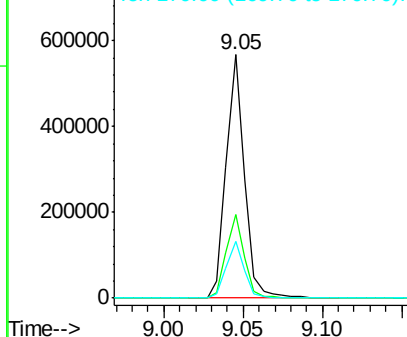
Lab File: BF113567.D

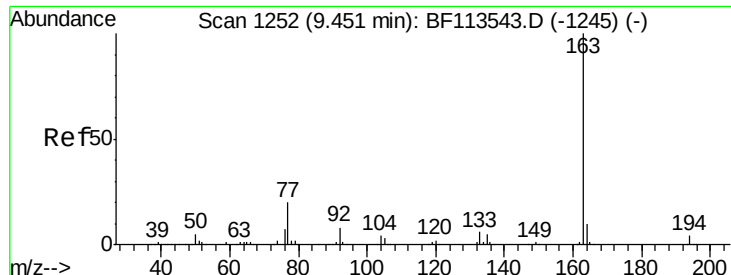
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Tgt Ion:	172	Resp:	450819
Ion Ratio	Lower	Upper	
172	100		
171	34.2	29.0	43.6
170	23.4	19.5	29.3



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





#50

Dimethylphthalate

Concen: 2.908 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Instrument :

BNA_F

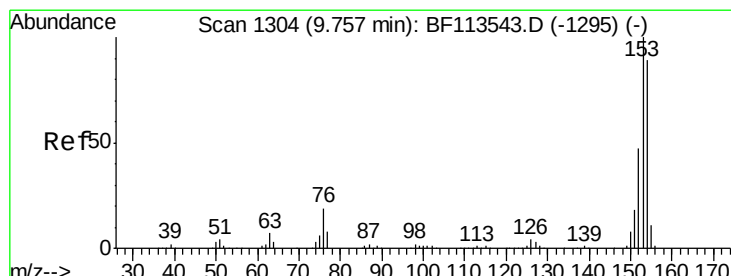
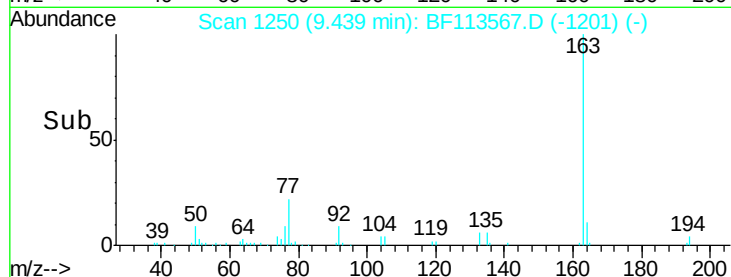
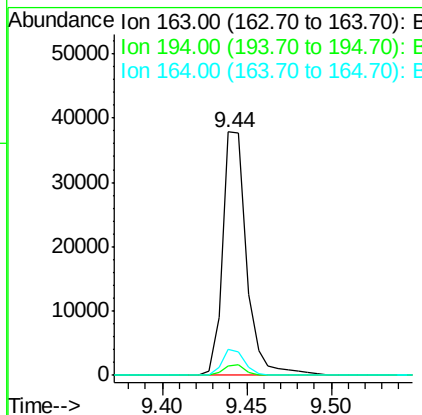
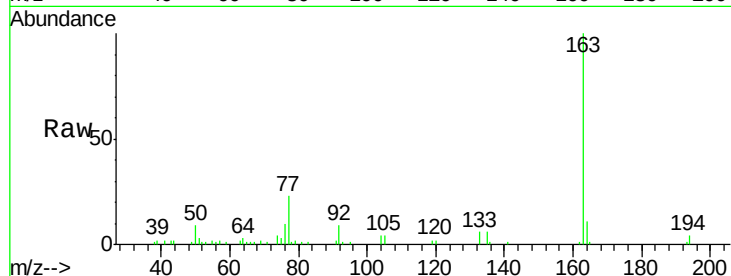
ClientSampleId :

SU-03-040219-B

Tgt Ion:	163	Resp:	37590
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	10.8	8.1	12.1

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#52

Acenaphthene

Concen: 5.344 ng

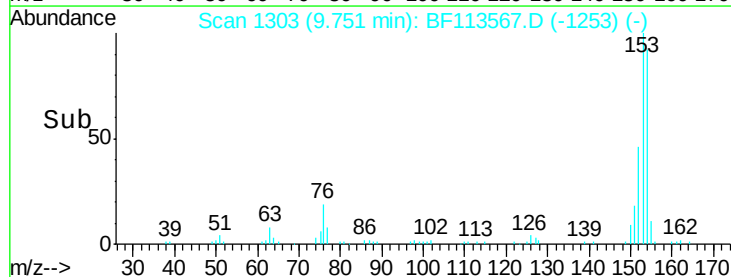
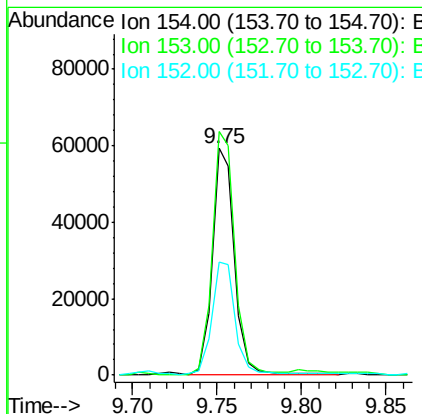
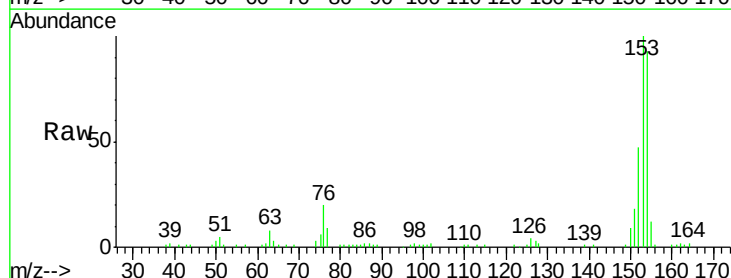
RT: 9.75 min Scan# 1303

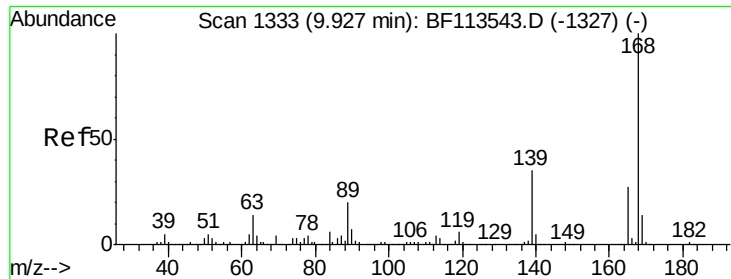
Delta R.T. -0.01 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Tgt Ion:	154	Resp:	54493
Ion Ratio	Lower	Upper	
154	100		
153	107.4	89.5	134.3
152	50.1	43.3	64.9





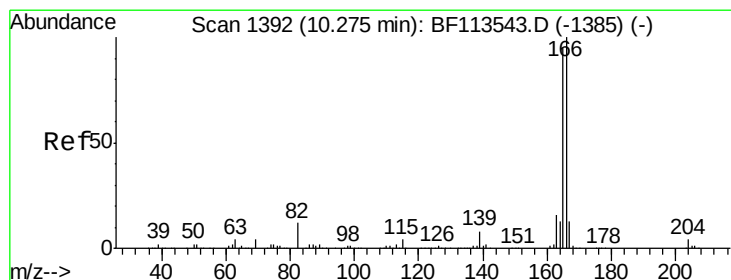
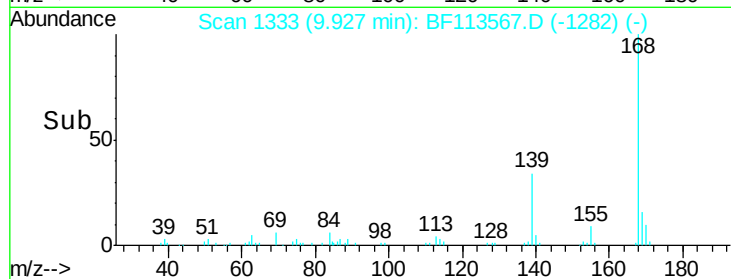
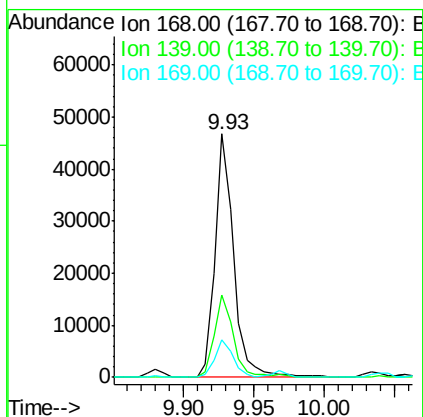
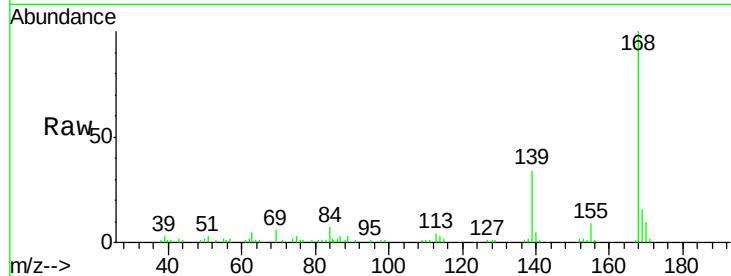
#55
Dibenzenofuran
Concen: 2.872 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Instrument :
BNA_F
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Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.7	29.7	44.5
169	15.6	10.7	16.1

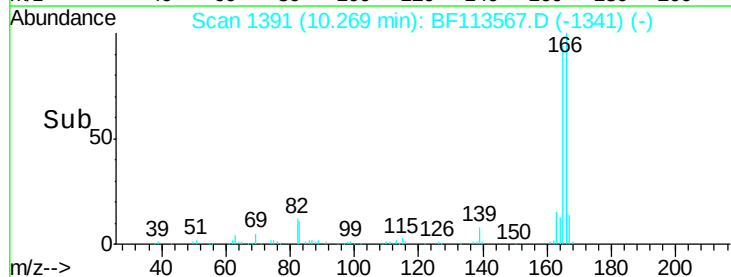
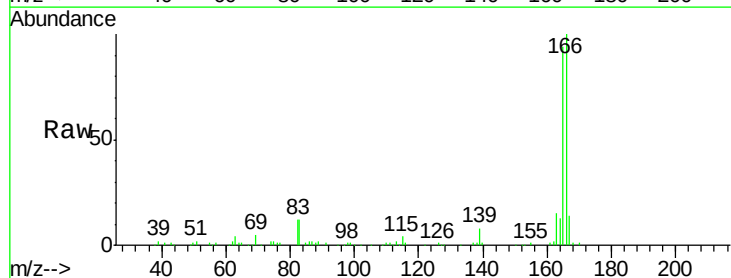
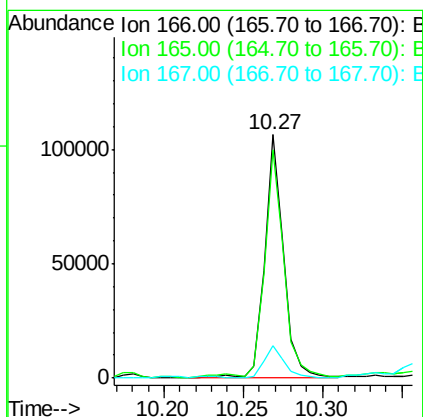
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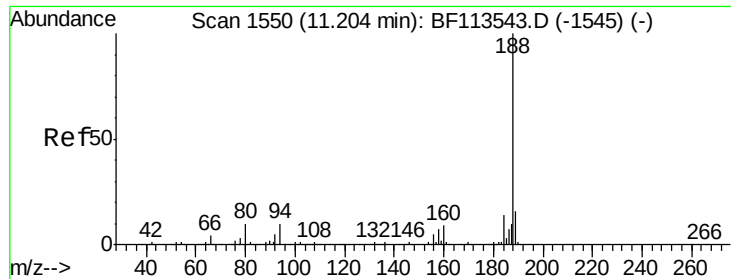
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#58
Fluorene
Concen: 7.613 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.7	76.2	114.2
167	13.5	10.7	16.1





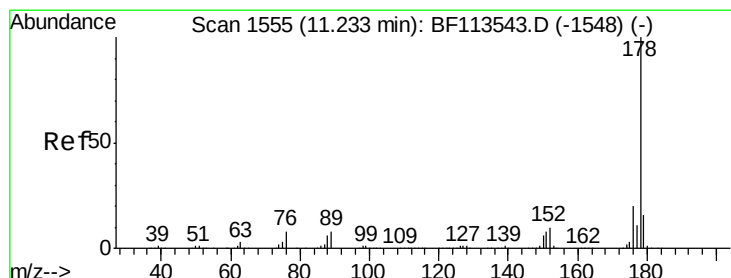
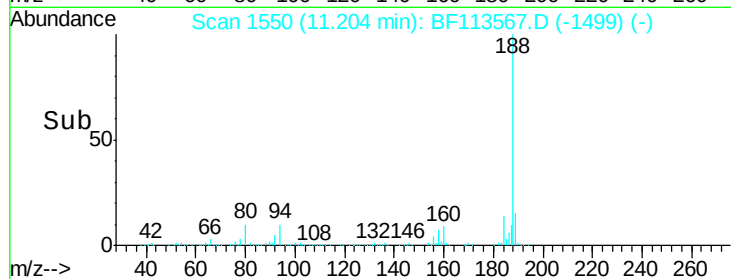
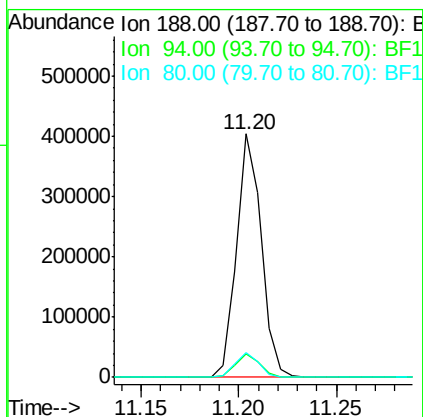
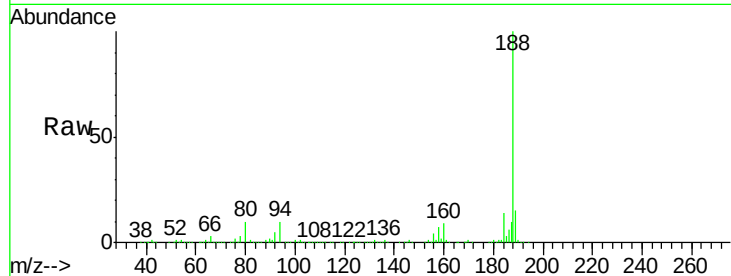
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Instrument :
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SU-03-040219-B

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	356230		
94	9.5	7.0	10.6	
80	10.0	7.7	11.5	

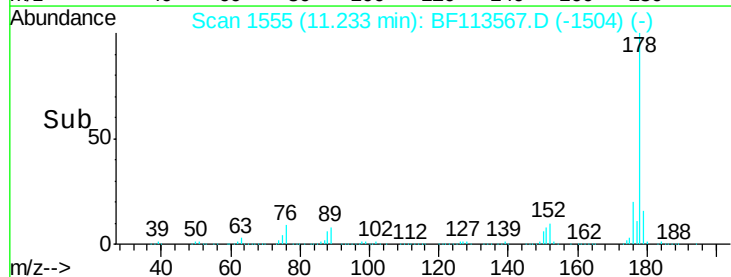
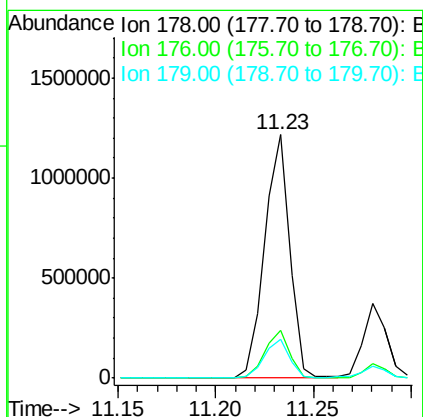
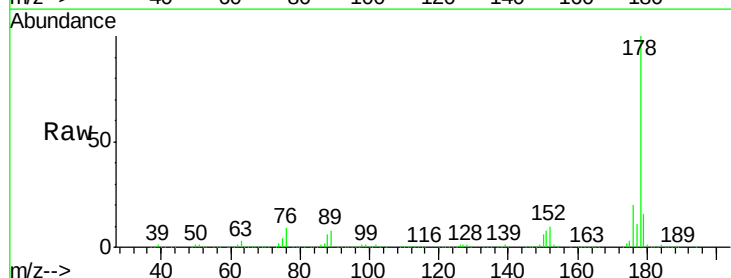
Manual Integrations
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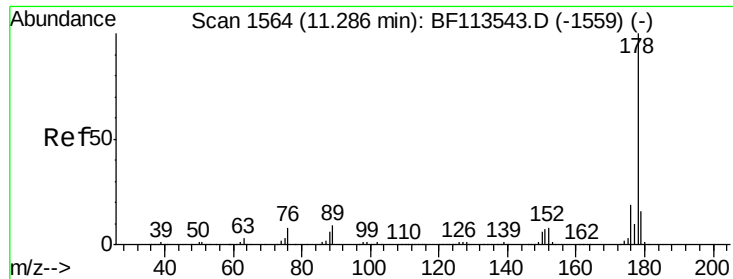
Sohil
4/4/2019 10:58:08 AM



#71
Phenanthrene
Concen: 61.551 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1089526		
176	19.8	16.2	24.2	
179	16.0	12.7	19.1	





#72

Anthracene

Concen: 17.660 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Instrument :

BNA_F

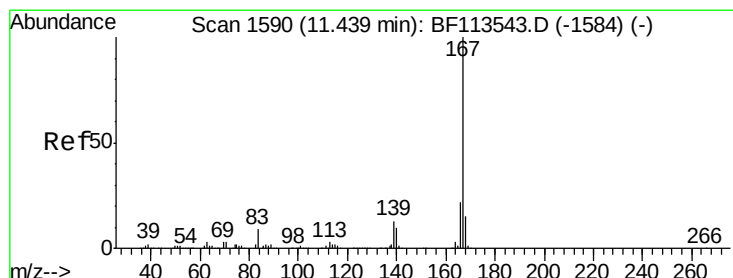
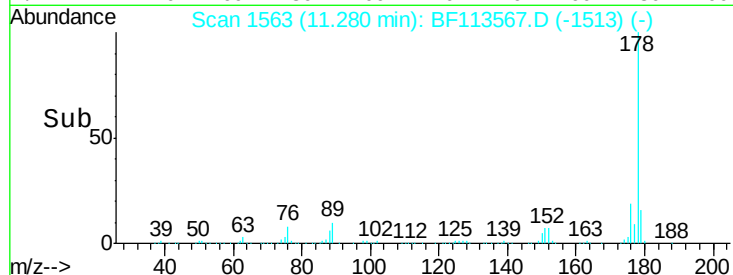
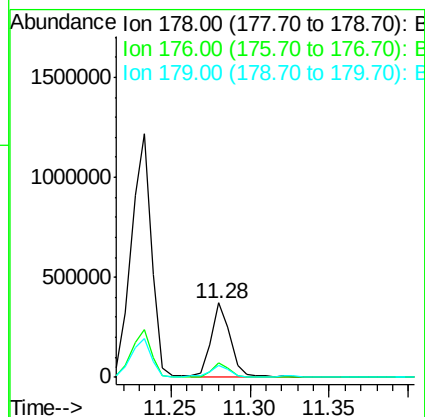
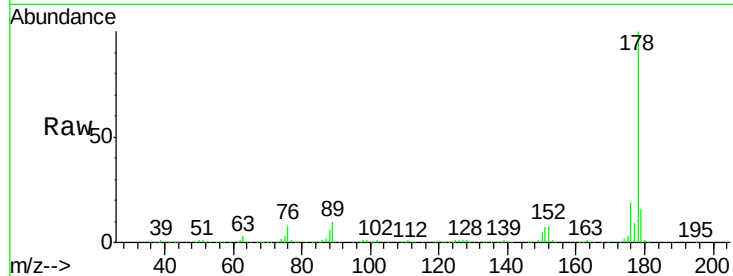
ClientSampleId :

SU-03-040219-B

Tgt Ion:	178	Resp:	318053
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.2
179	15.7	12.8	19.2

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#73

Carbazole

Concen: 3.290 ng

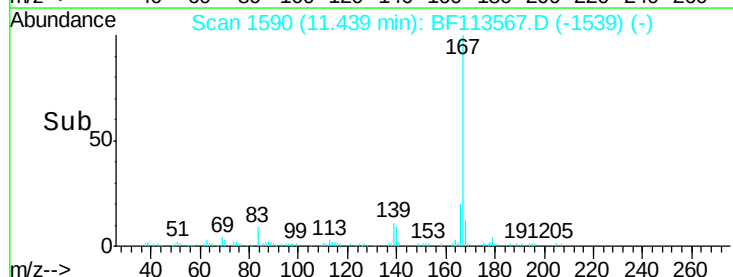
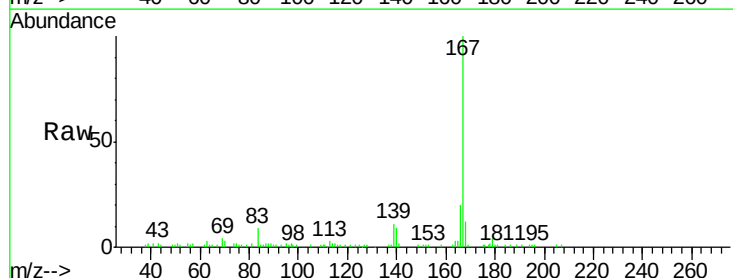
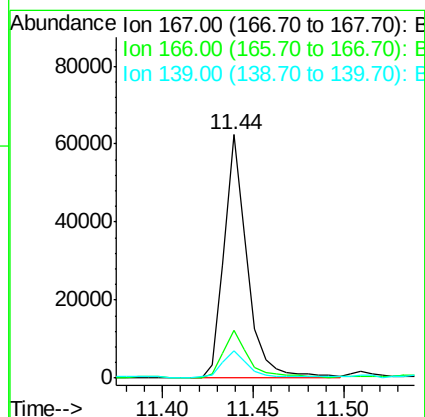
RT: 11.44 min Scan# 1590

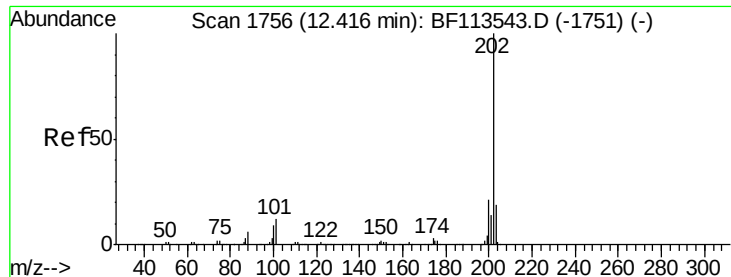
Delta R.T. -0.00 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Tgt Ion:	167	Resp:	55414
Ion Ratio	Lower	Upper	
167	100		
166	19.8	17.4	26.0
139	11.4	10.4	15.6





#75

Fluoranthene

Concen: 91.623 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Instrument :

BNA_F

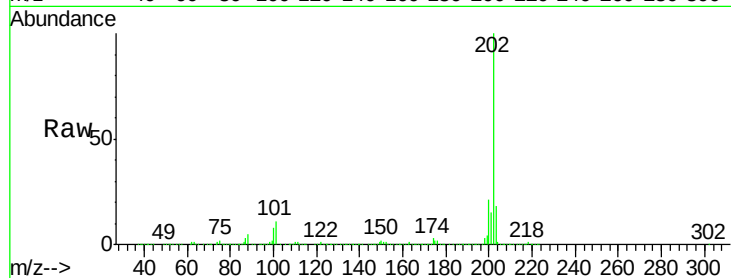
ClientSampleId :

SU-03-040219-B

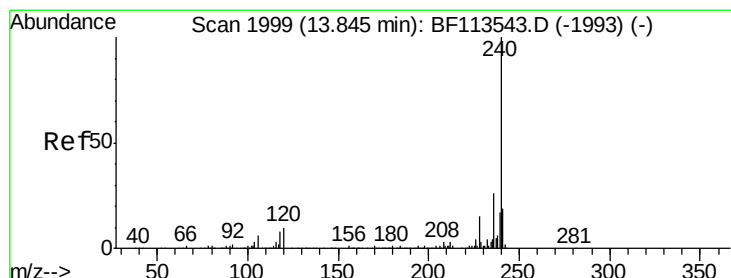
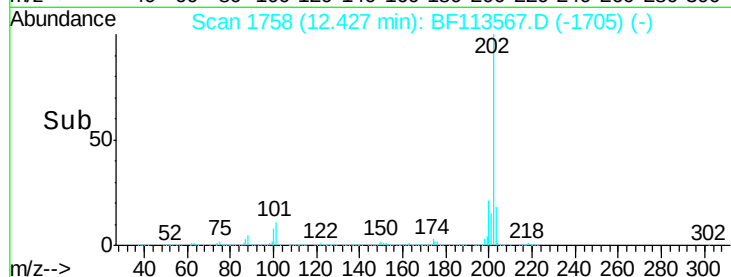
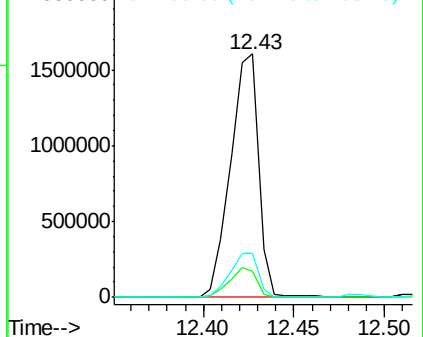
Tgt Ion:	202	Resp:	1737925
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	18.2	0.0	38.0

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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

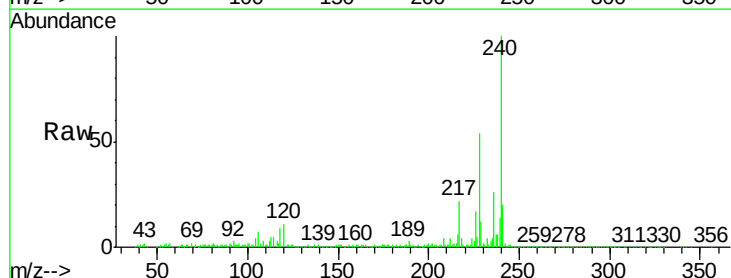
RT: 13.84 min Scan# 1999

Delta R.T. -0.00 min

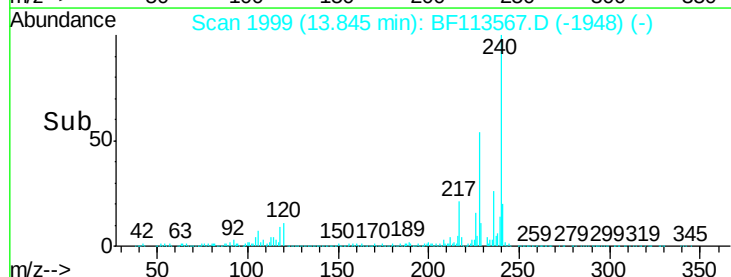
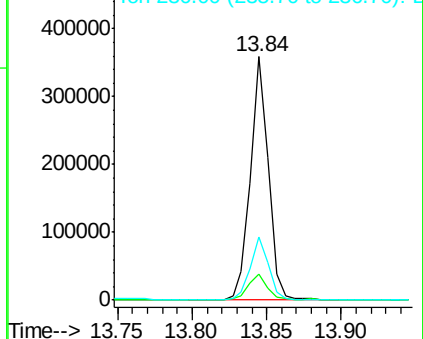
Lab File: BF113567.D

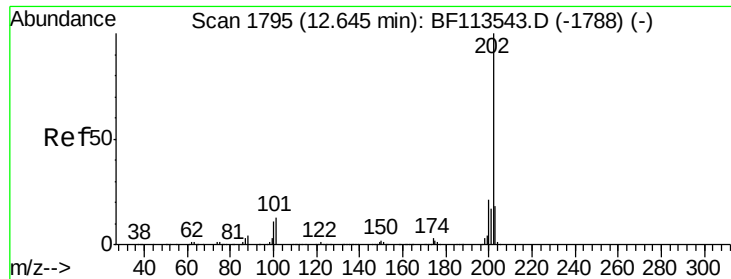
Acq: 4 Apr 2019 2:49

Tgt Ion:	240	Resp:	295826
Ion	Ratio	Lower	Upper
240	100		
120	10.8	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





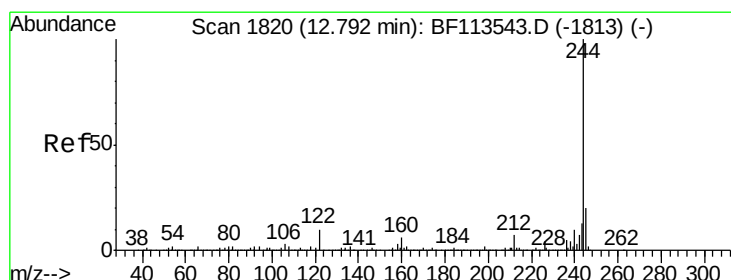
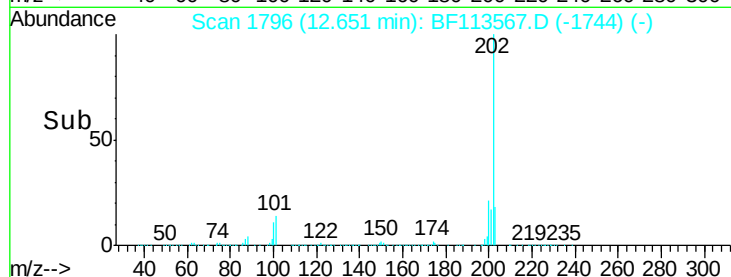
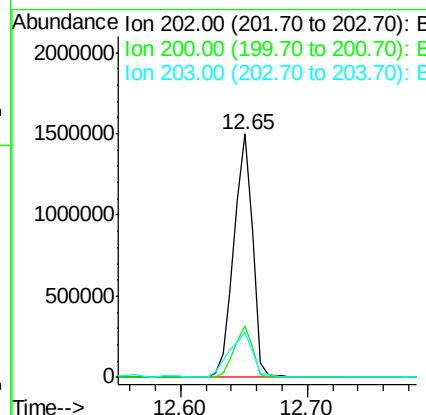
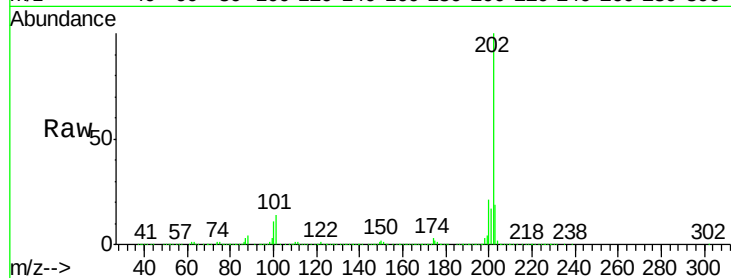
#78
Pyrene
Concen: 67.505 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.01 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Instrument :
BNA_F
ClientSampleId :
SU-03-040219-B

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	18.5	14.4	21.6

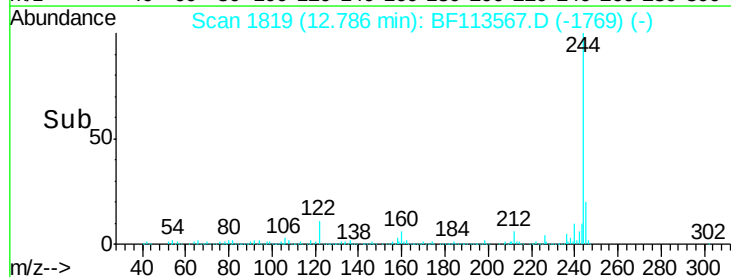
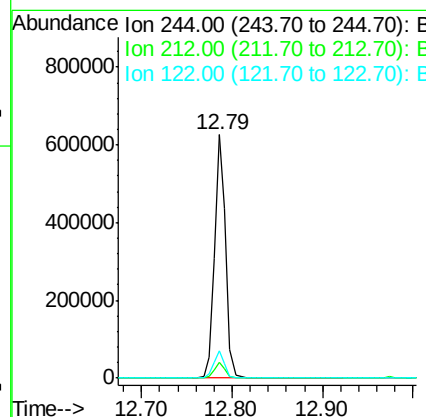
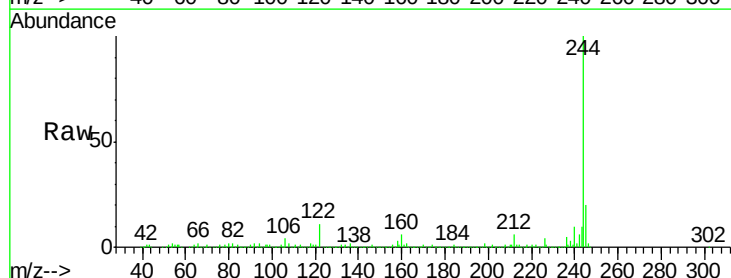
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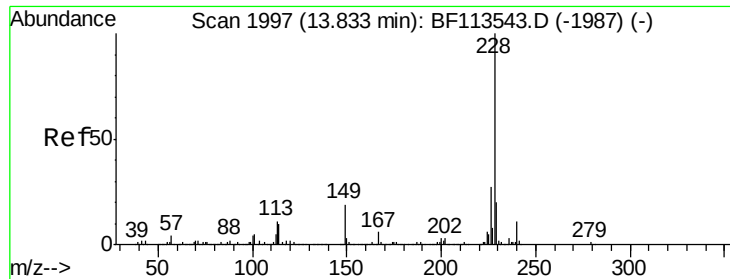
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#79
Terphenyl-d14
Concen: 37.174 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.5	8.3
122	11.0	8.6	13.0





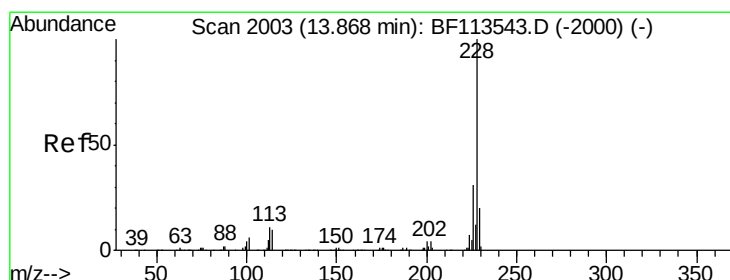
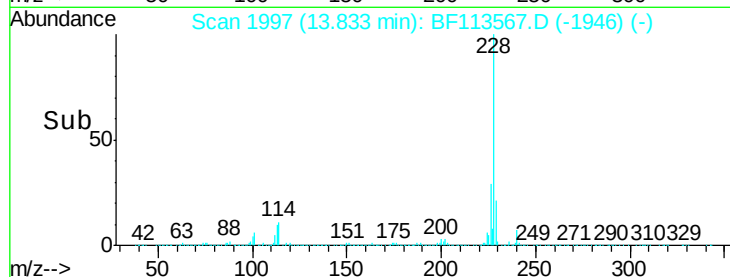
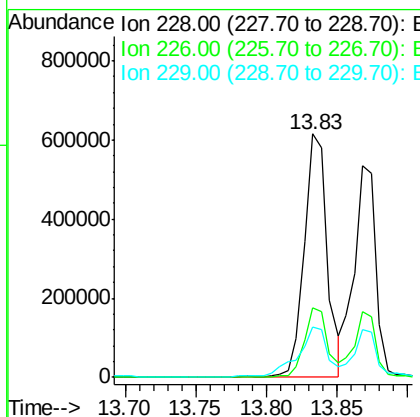
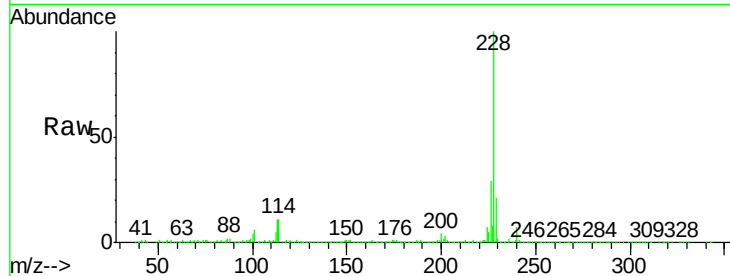
#81
Benzo(a)anthracene
Concen: 40.605 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Instrument :
BNA_F
ClientSampleId :
SU-03-040219-B

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.8
229	20.8	16.2	24.4

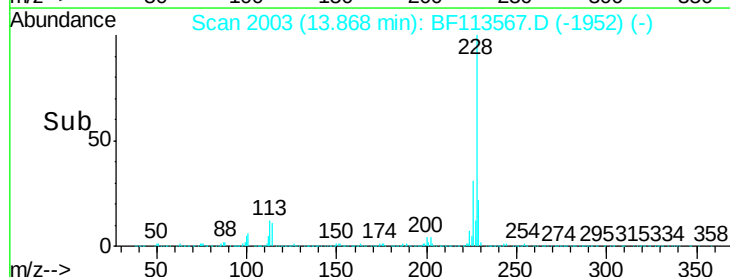
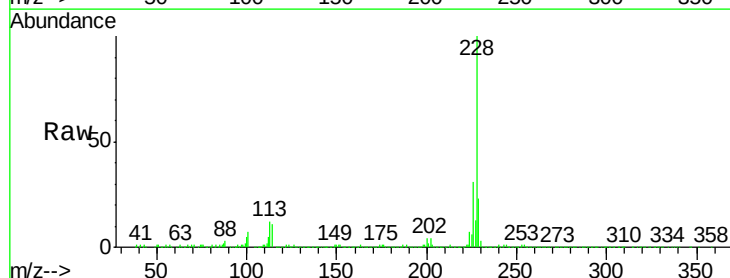
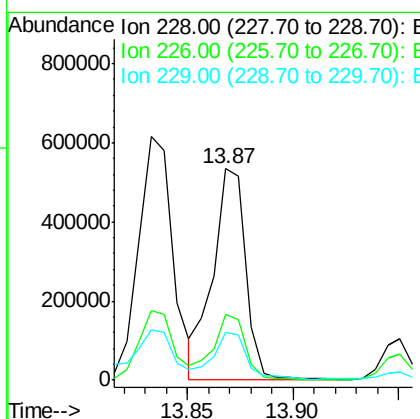
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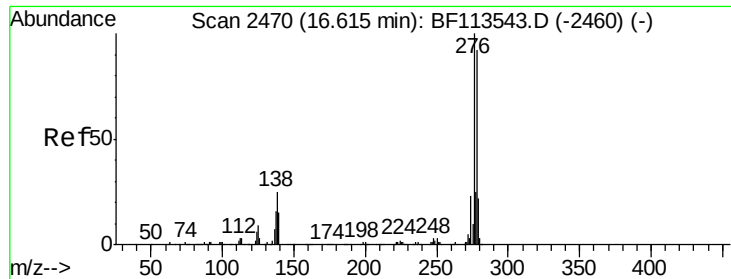
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#83
Chrysene
Concen: 33.102 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	22.5	16.3	24.5





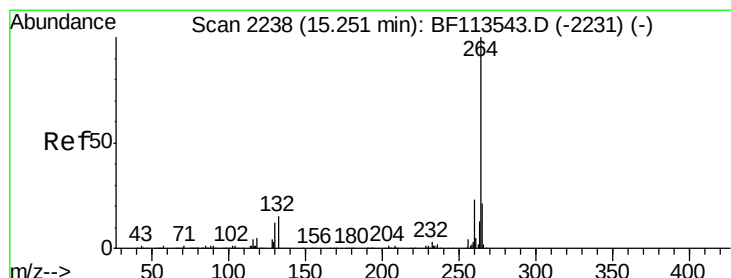
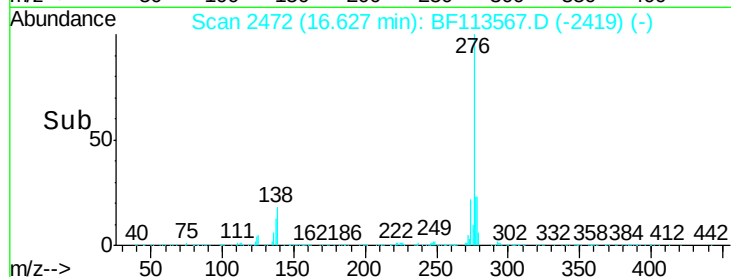
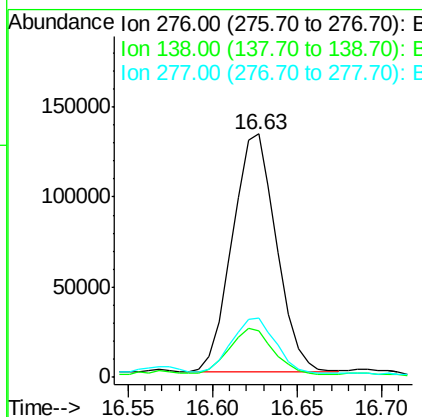
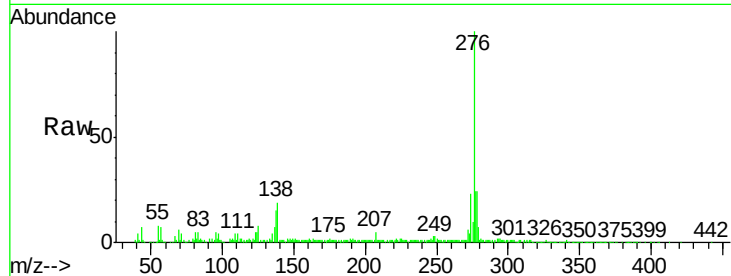
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 15.065 ng
 RT: 16.63 min Scan# 2472
 Delta R.T. 0.01 min
 Lab File: BF113567.D
 Acq: 4 Apr 2019 2:49

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-040219-B

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	18.9	18.1	27.1
277	23.5	20.2	30.4

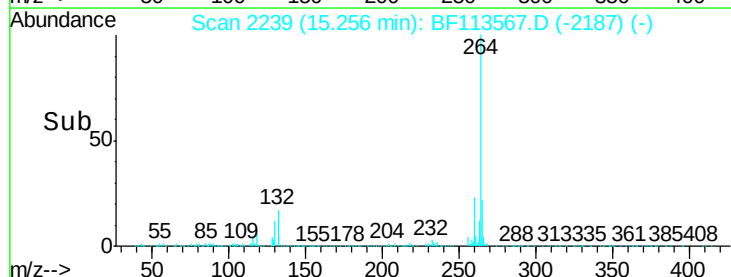
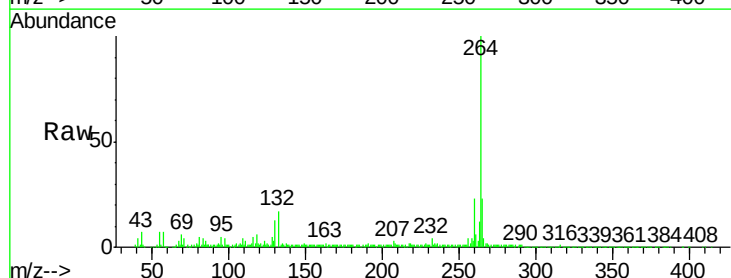
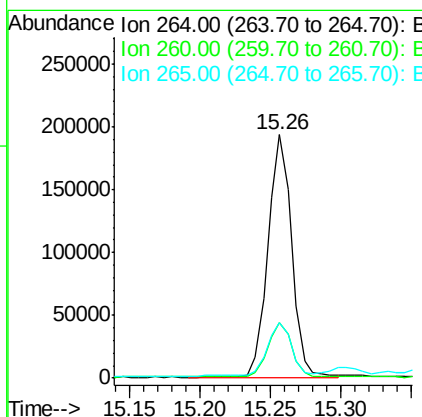
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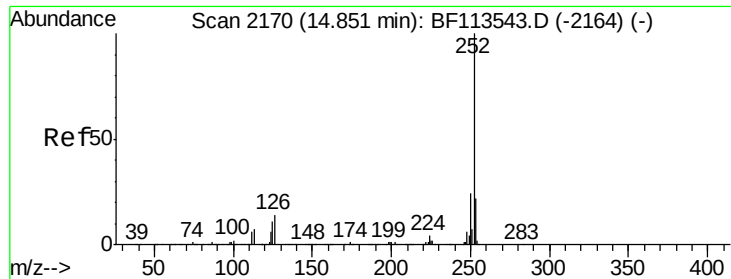
Sohil
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: BF113567.D
 Acq: 4 Apr 2019 2:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	22.9	19.1	28.7
265	22.8	17.1	25.7





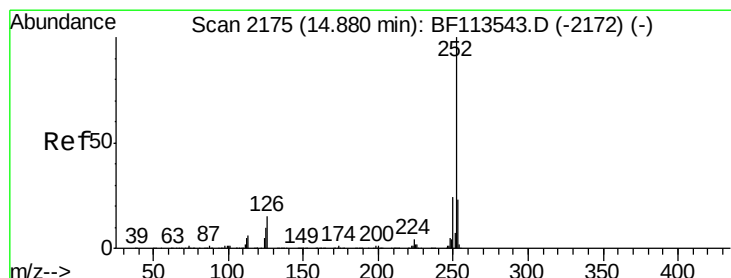
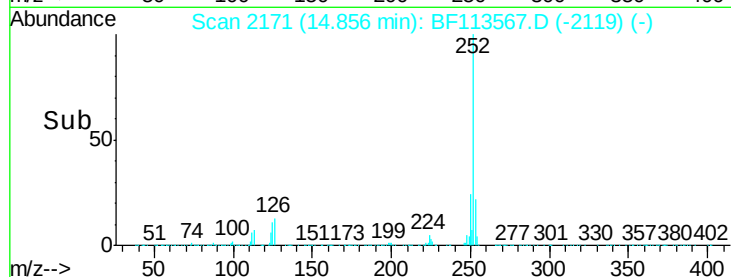
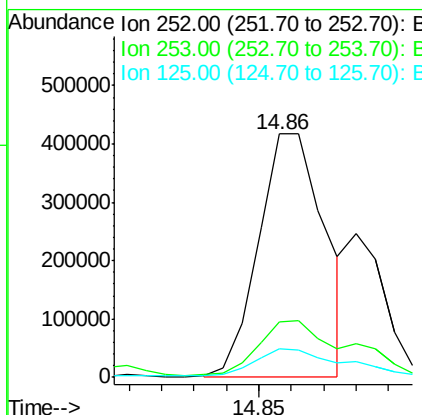
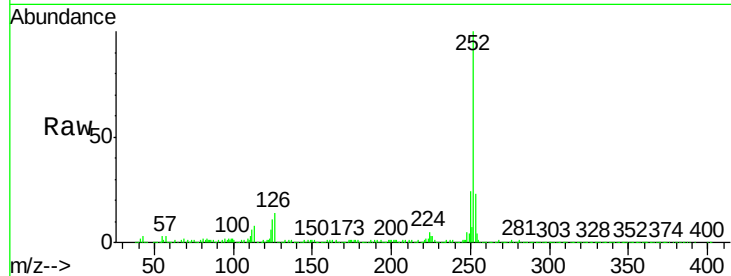
#88
Benzo(b)fluoranthene
Concen: 42.582 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Instrument :
BNA_F
ClientSampleId :
SU-03-040219-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.5	7.6	11.4

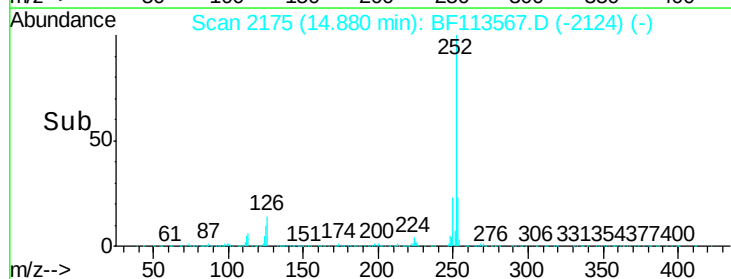
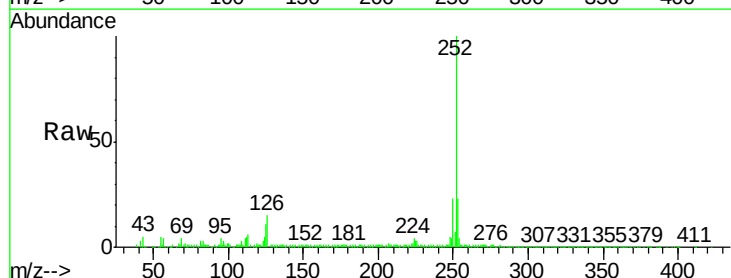
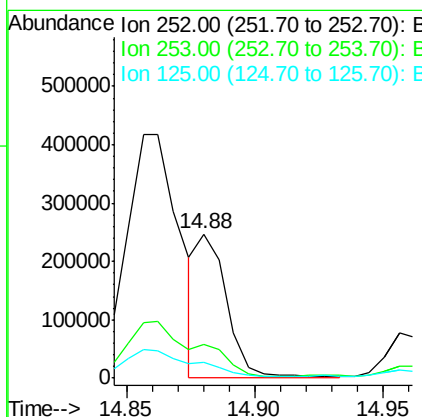
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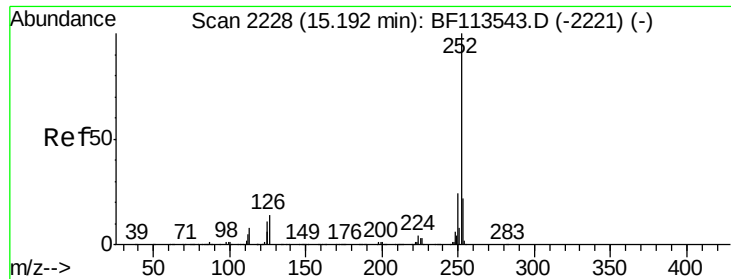
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#89
Benzo(k)fluoranthene
Concen: 15.538 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BF113567.D
Acq: 4 Apr 2019 2:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	10.6	7.3	10.9





#90

Benzo(a)pyrene

Concen: 32.563 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.01 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Instrument :

BNA_F

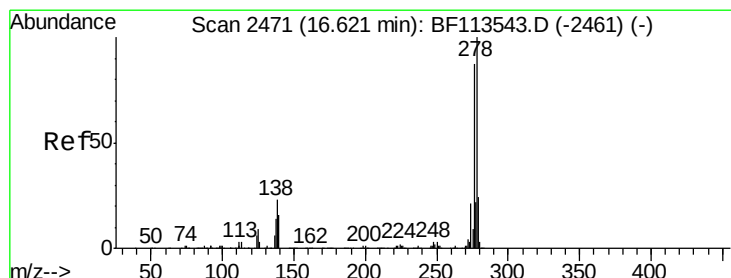
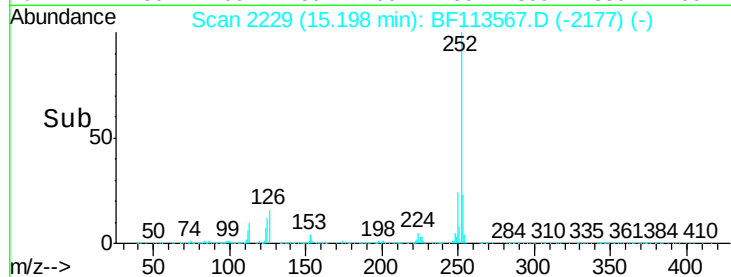
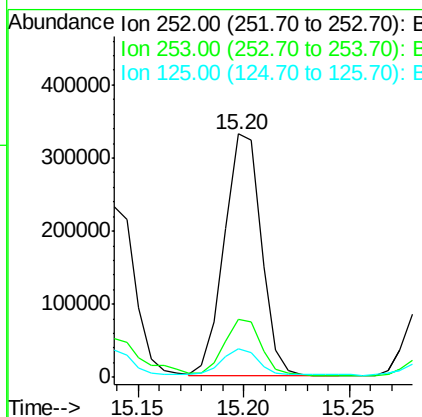
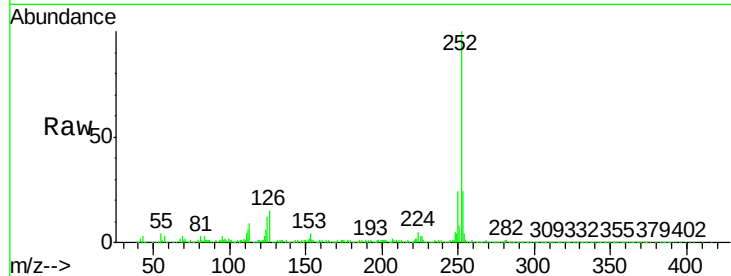
ClientSampleId :

SU-03-040219-B

Tgt Ion:	252	Resp:	403869
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	11.7	8.8	13.2

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#91

Dibenzo(a,h)anthracene

Concen: 5.174 ng

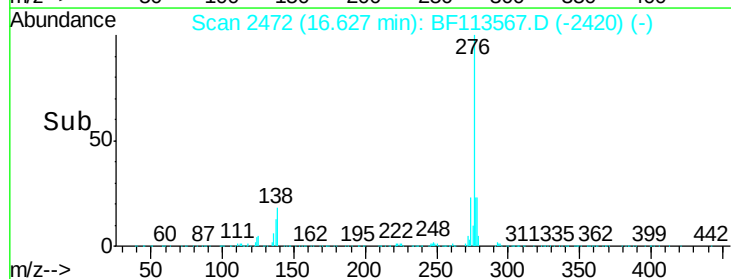
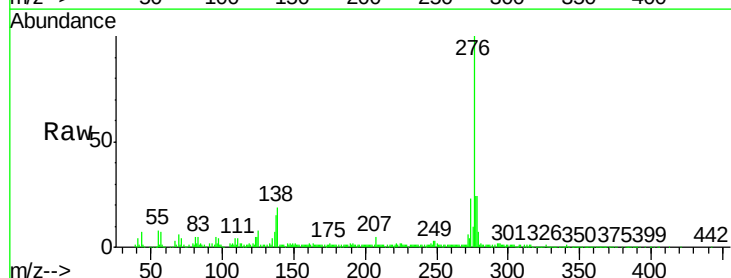
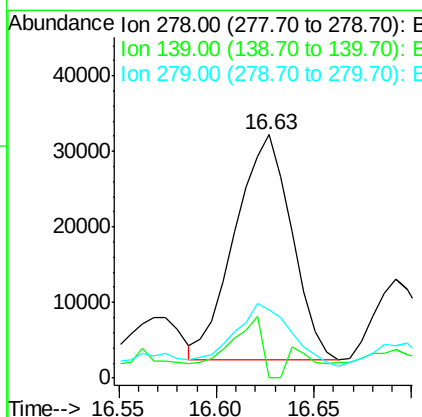
RT: 16.63 min Scan# 2472

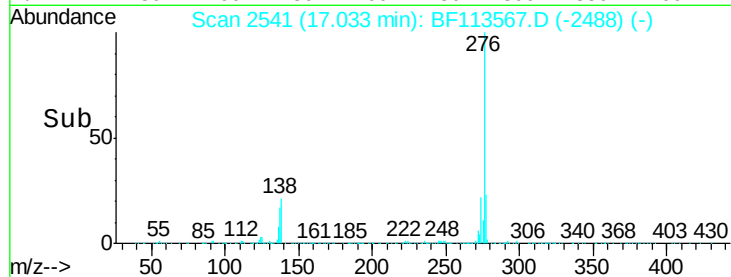
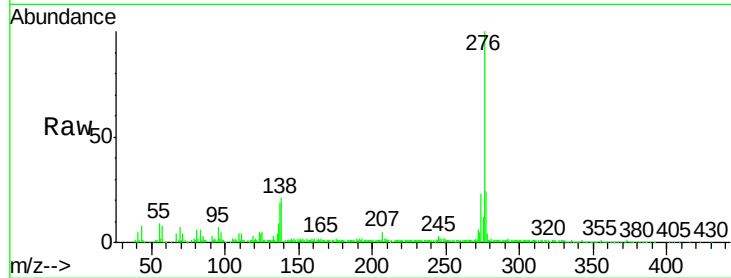
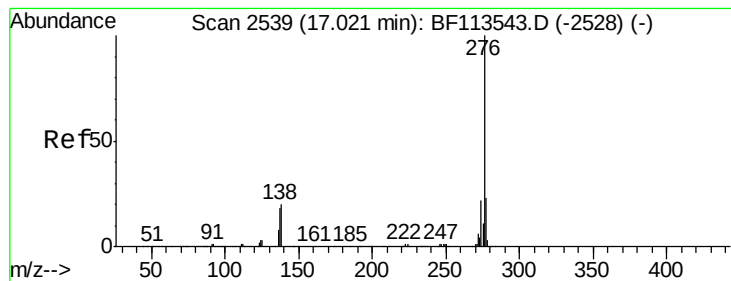
Delta R.T. 0.01 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Tgt Ion:	278	Resp:	60013
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.0	18.0#
279	28.0	19.0	28.6





#92

Benzo(g,h,i)perylene

Concen: 20.212 ng

RT: 17.03 min Scan# 2541

Delta R.T. 0.01 min

Lab File: BF113567.D

Acq: 4 Apr 2019 2:49

Instrument :

BNA_F

ClientSampleId :

SU-03-040219-B

Tgt Ion:	276	Resp:	239278
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.8	28.2
138	21.5	15.6	23.4

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