

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113466.D
 Acq On : 1 Apr 2019 15:04
 Operator : JU/SJ
 Sample : K2056-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-9

Manual Integrations
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Quant Time: Apr 01 18:42:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 01 14:33:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	164162	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	624380	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	302609	20.00	ng	-0.01
64) Phenanthrene-d10	11.22	188	564436	20.00	ng	0.00
76) Chrysene-d12	13.85	240	345052	20.00	ng	0.00
87) Perylene-d12	15.26	264	412370	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	910774	90.72	ng	0.00
7) Phenol-d6	6.36	99	1191034	93.78	ng	0.00
23) Nitrobenzene-d5	7.27	82	717403	68.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.53	330	323005	86.41	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1386436	68.36	ng	0.00
79) Terphenyl-d14	12.80	244	1303607	83.27	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.60	152	93692	2.978	ng	98
50) Dimethylphthalate	9.46	163	94646	4.220	ng	100
52) Acenaphthene	9.77	154	100375	5.665	ng	99
55) Dibenzofuran	9.94	168	69147	2.596	ng	98
58) Fluorene	10.28	166	88737	4.288	ng	96
71) Phenanthrene	11.24	178	948122	33.825	ng	99
72) Anthracene	11.29	178	233646	8.206	ng	99
73) Carbazole	11.45	167	229275	8.439	ng	99
75) Fluoranthene	12.44	202	3271563	103.245	ng	97
78) Pyrene	12.66	202	2758986	115.386	ng	98
81) Benzo(a)anthracene	13.84	228	751809	38.064	ng	96
83) Chrysene	13.88	228	1561774	77.848	ng	97
86) Indeno(1,2,3-cd)pyrene	16.62	276	313429	18.204	ng	96
88) Benzo(b)fluoranthene	14.86	252	1555024m	60.704	ng	
89) Benzo(k)fluoranthene	14.89	252	472769m	21.016	ng	
90) Benzo(a)pyrene	15.20	252	405383	17.851	ng	96
91) Dibenzo(a,h)anthracene	16.62	278	74489m	3.793	ng	
92) Benzo(g,h,i)perylene	17.02	276	251693	12.712	ng	100

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

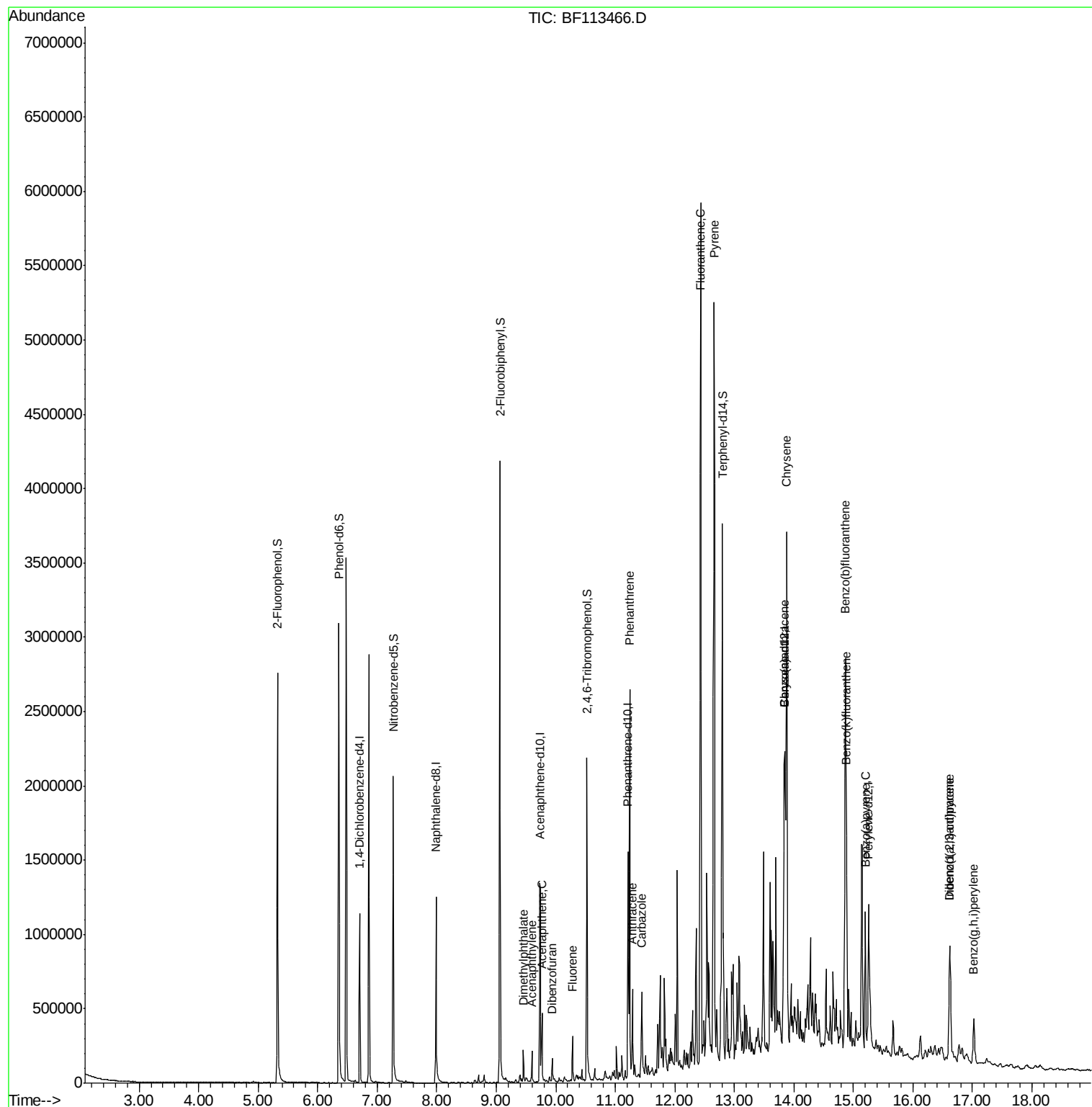
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
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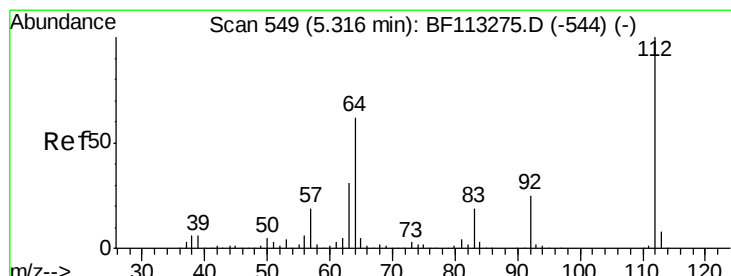
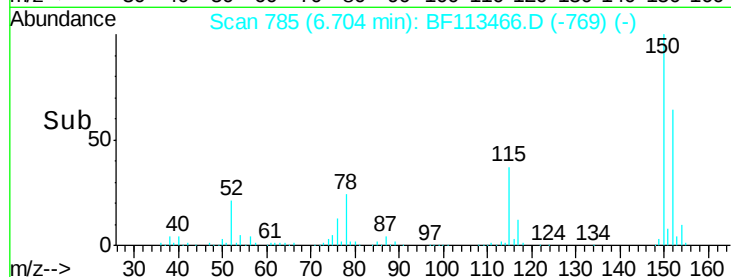
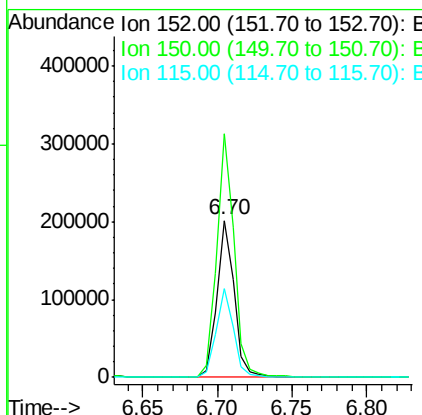
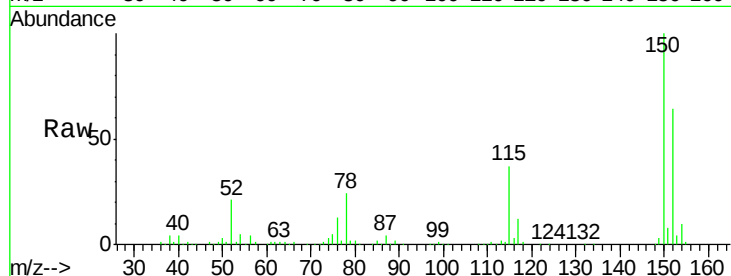
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Instrument :
 BNA_F
 ClientSampled :
 CS-9

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	164162		
150	155.3	123.6	185.4	
115	56.8	45.8	68.6	

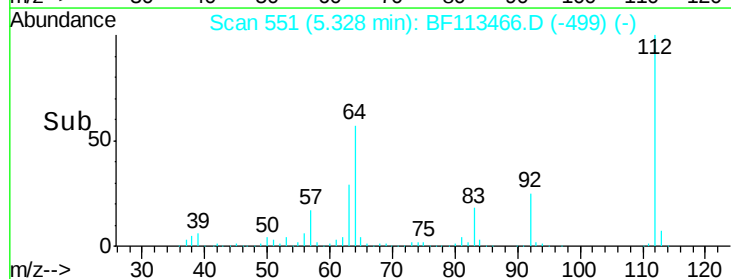
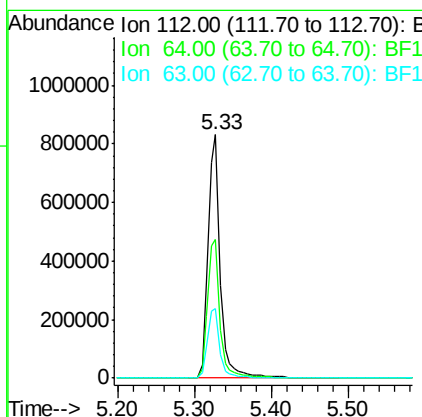
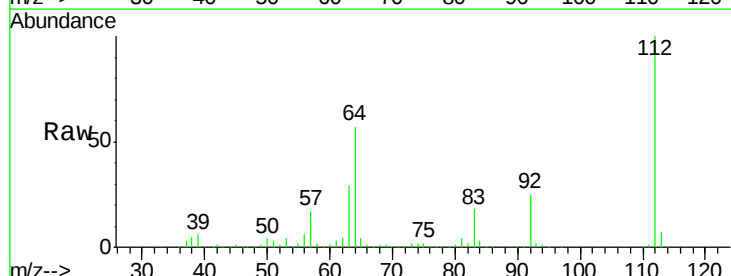
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#5
 2-Fluorophenol
 Concen: 90.717 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	910774		
64	57.1	47.7	71.5	
63	28.6	23.8	35.6	





#7

Phenol-d6

Concen: 93.776 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF113466.D

Acq: 1 Apr 2019 15:04

Instrument :

BNA_F

ClientSampled :

CS-9

Tgt Ion: 99 Resp: 1191034

Ion Ratio Lower Upper

99 100

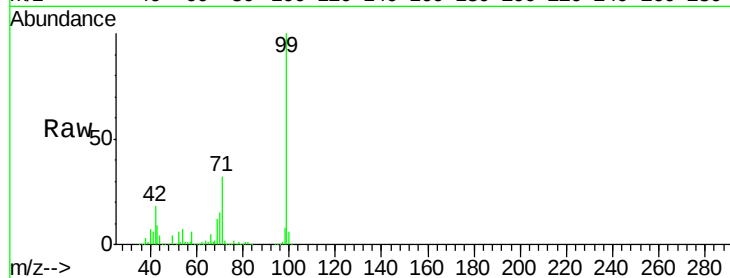
42 18.1 14.4 21.6

71 31.7 25.0 37.6

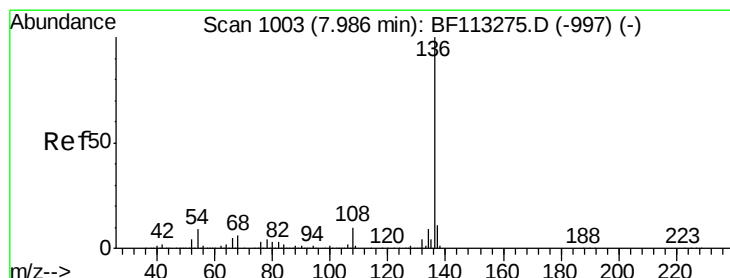
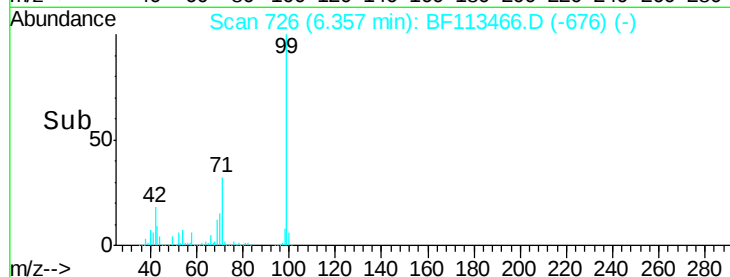
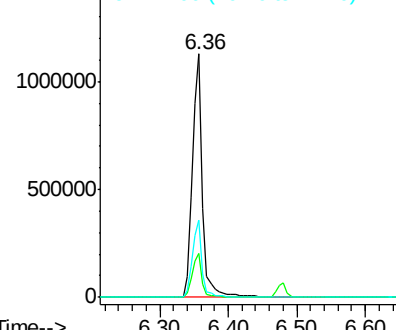
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF113466.D

Acq: 1 Apr 2019 15:04

Tgt Ion: 136 Resp: 624380

Ion Ratio Lower Upper

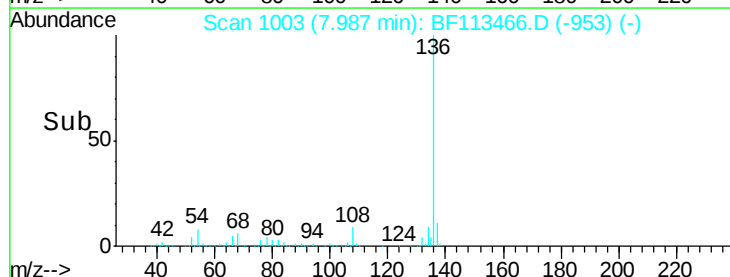
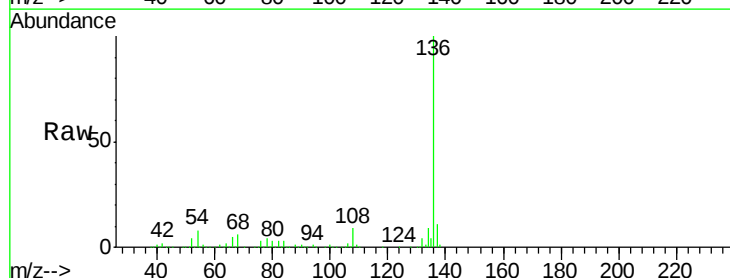
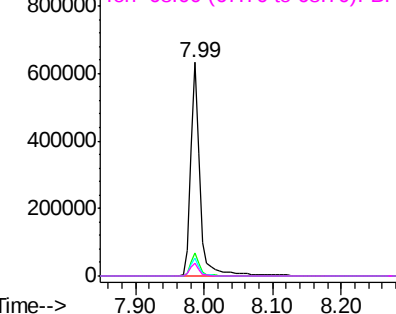
136 100

137 11.0 9.1 13.7

54 8.2 6.9 10.3

68 6.1 5.1 7.7

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





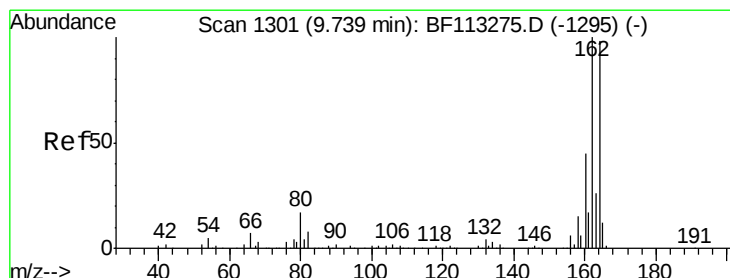
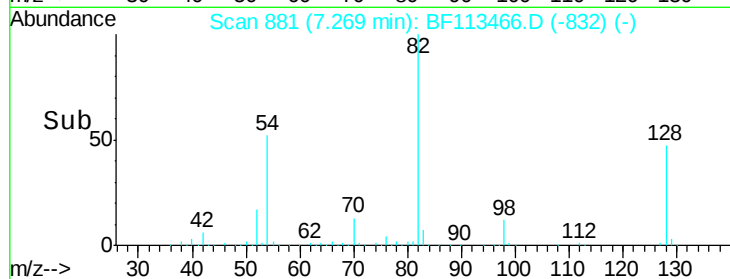
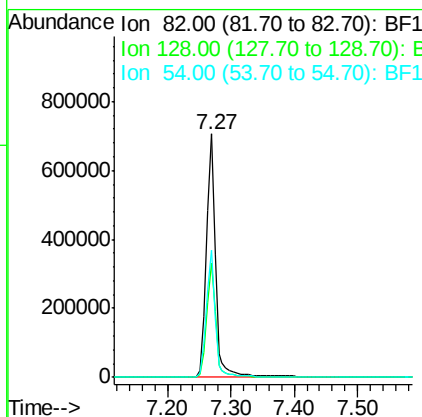
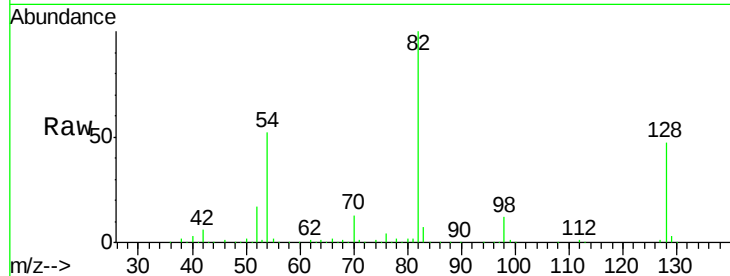
#23
 Nitrobenzene-d5
 Concen: 68.197 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Instrument :
 BNA_F
 ClientSampled :
 CS-9

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.9	56.9
54	52.0	41.9	62.9

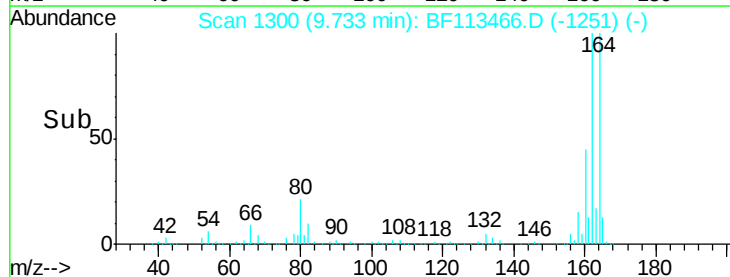
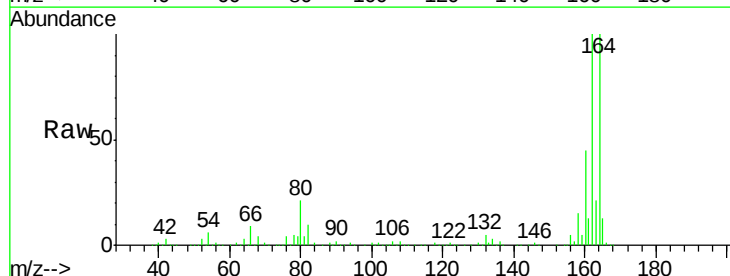
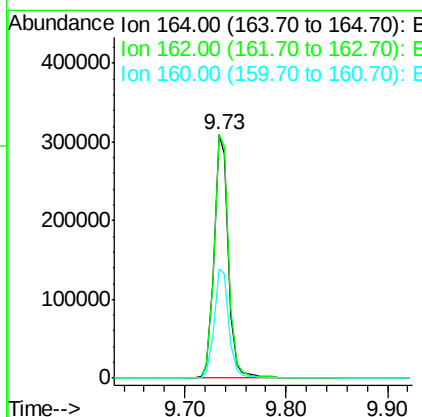
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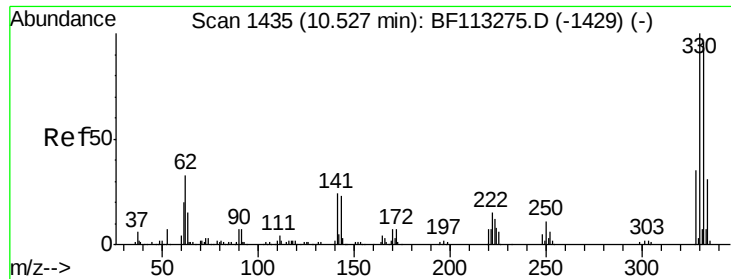
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.7	119.5
160	44.7	35.9	53.9





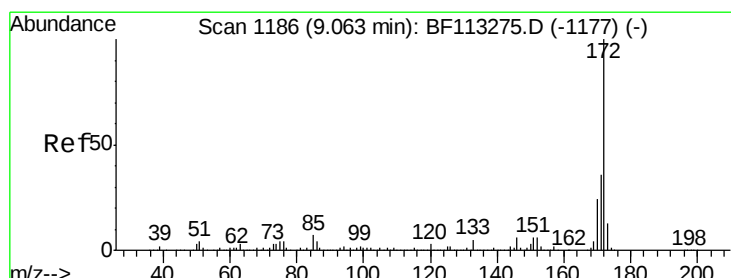
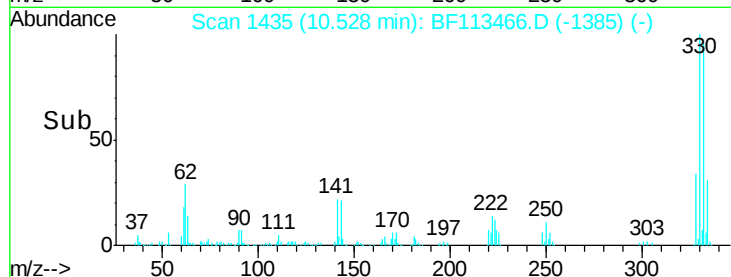
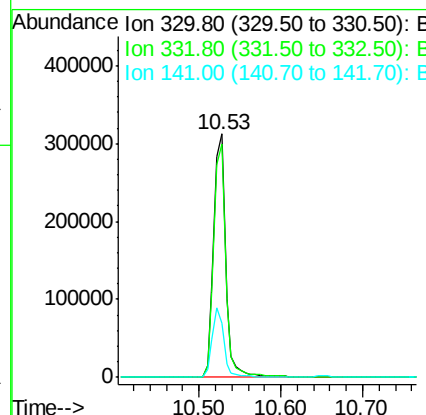
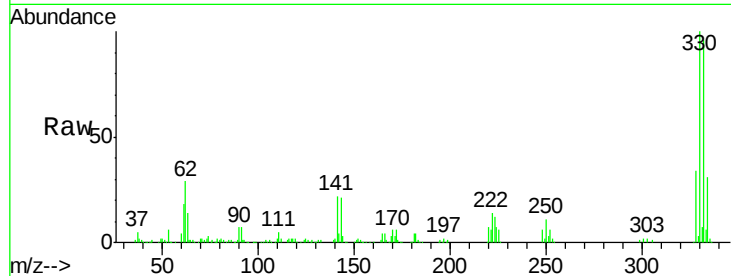
#42
 2,4,6-Tribromophenol
 Concen: 86.413 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Instrument :
 BNA_F
 ClientSampleId :
 CS-9

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	323005		
332	95.9	77.7	116.5	
141	28.2	21.4	32.2	

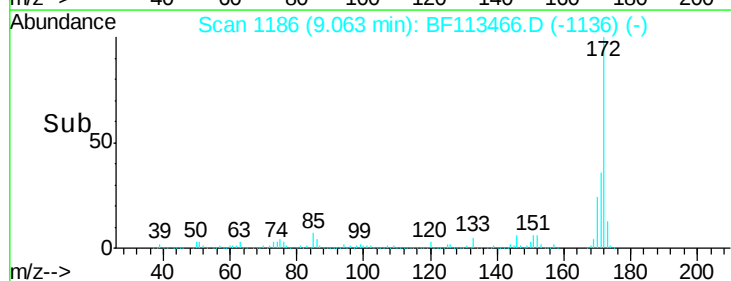
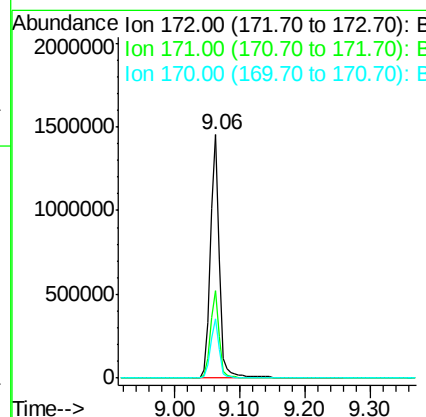
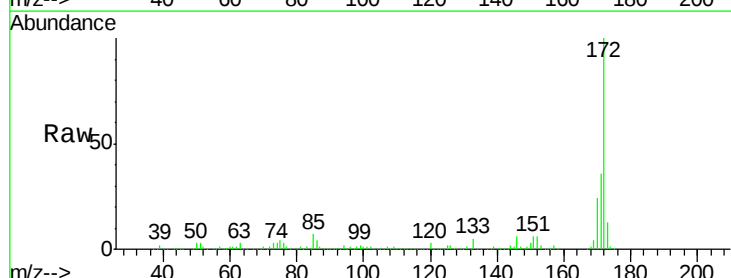
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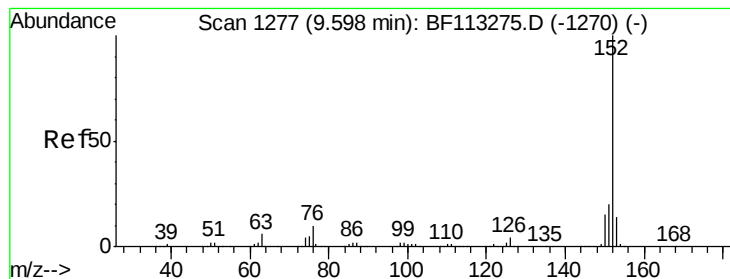
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#45
 2-Fluorobiphenyl
 Concen: 68.357 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1386436		
171	36.0	29.0	43.6	
170	24.2	19.8	29.6	





#49

Acenaphthylene

Concen: 2.978 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF113466.D

Acq: 1 Apr 2019 15:04

Instrument :

BNA_F

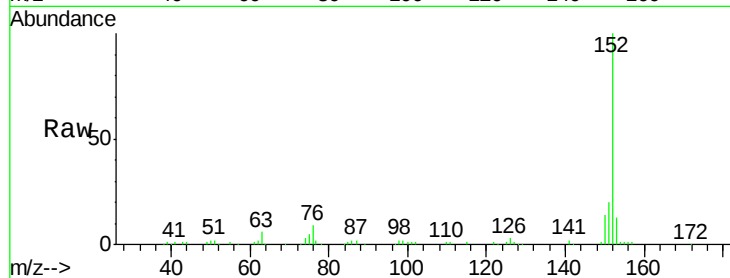
ClientSampled :

CS-9

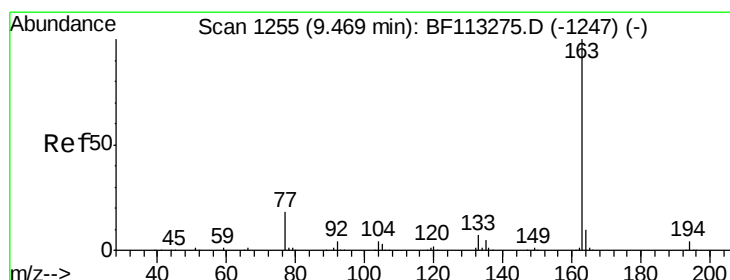
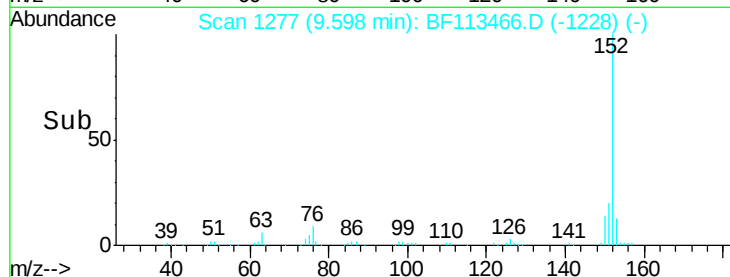
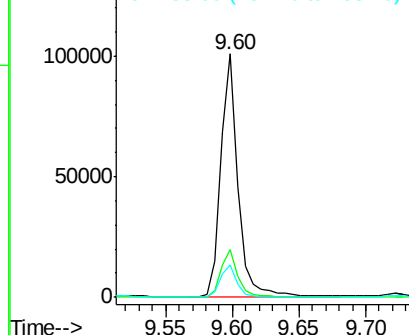
Tgt Ion:	152	Resp:	93692
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.5	24.7
153	13.1	10.8	16.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.220 ng

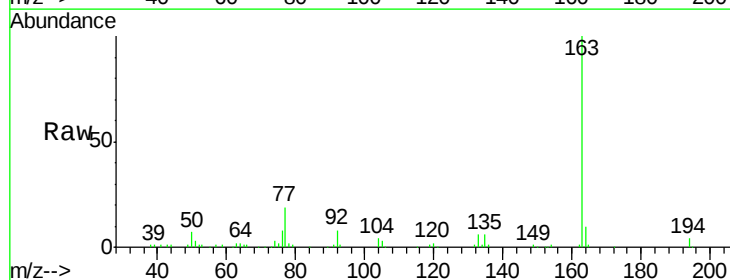
RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

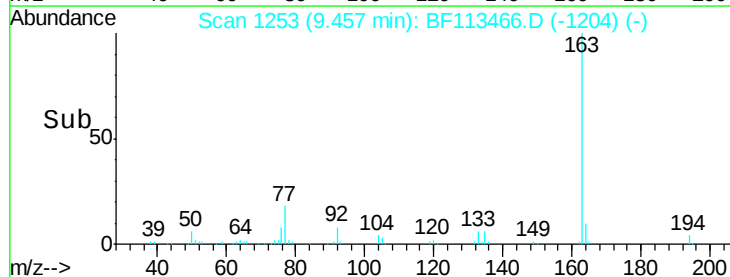
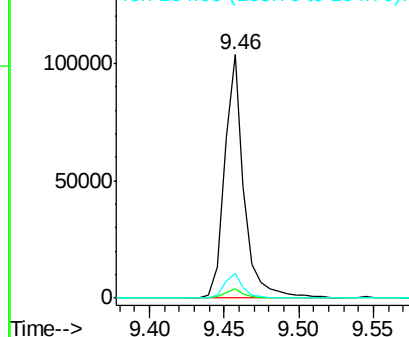
Lab File: BF113466.D

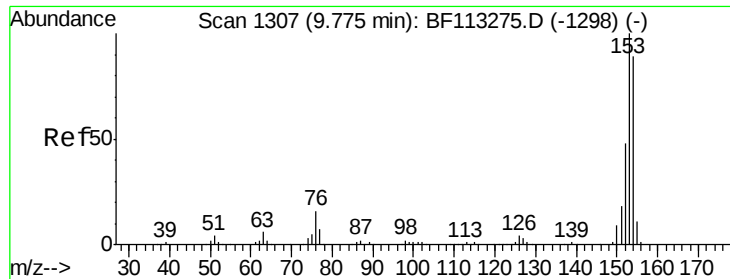
Acq: 1 Apr 2019 15:04

Tgt Ion:	163	Resp:	94646
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.1	4.7
164	10.3	8.3	12.5



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





#52

Acenaphthene

Concen: 5.665 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF113466.D

Acq: 1 Apr 2019 15:04

Instrument :

BNA_F

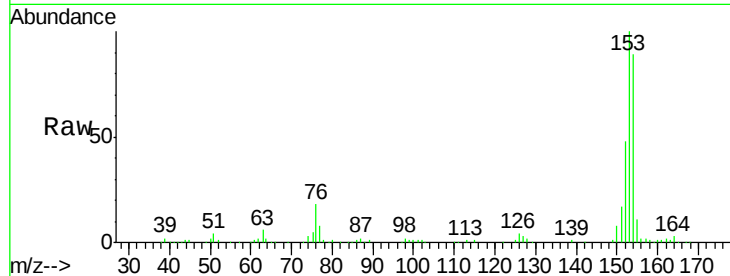
ClientSampleId :

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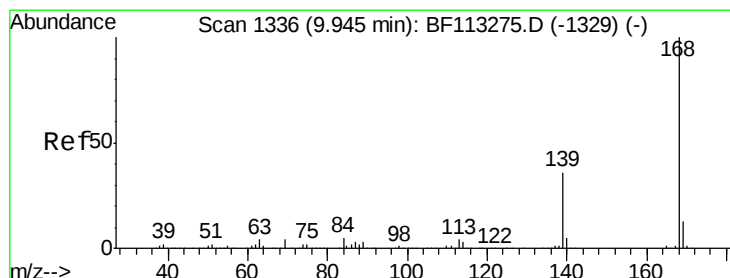
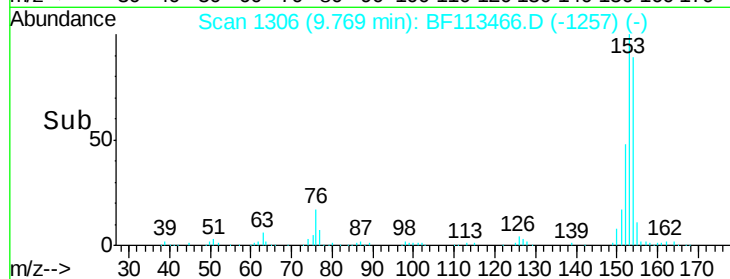
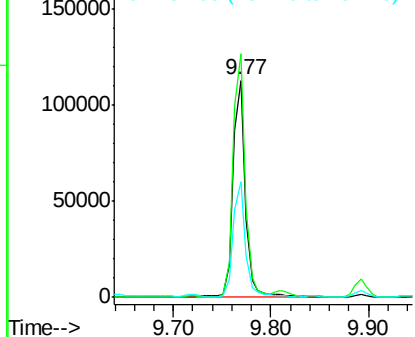
Tgt Ion:	154	Resp:	100375
Ion Ratio	Lower	Upper	
154	100		
153	112.2	89.1	133.7
152	53.5	43.0	64.4

Manual Integrations
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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



#55

Dibenzofuran

Concen: 2.596 ng

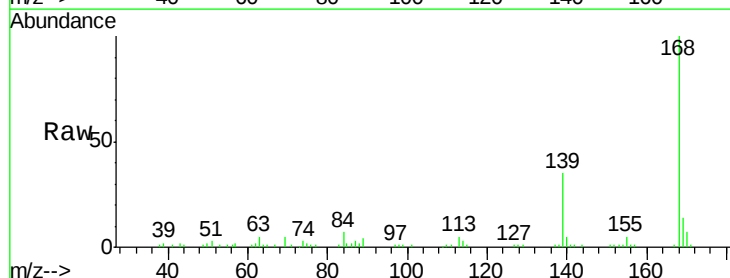
RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

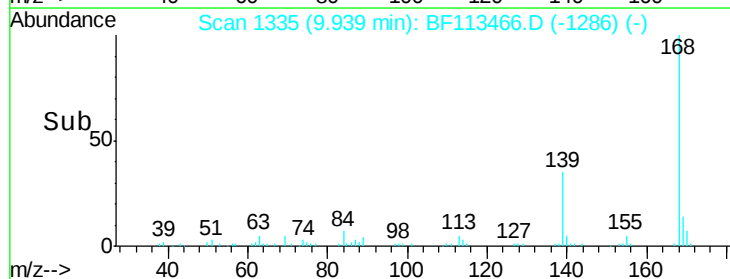
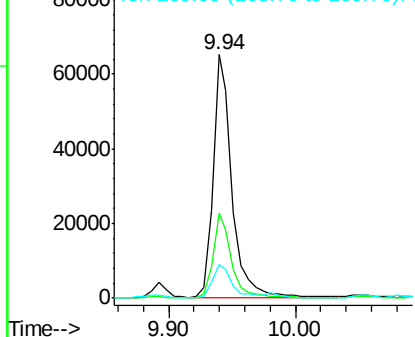
Lab File: BF113466.D

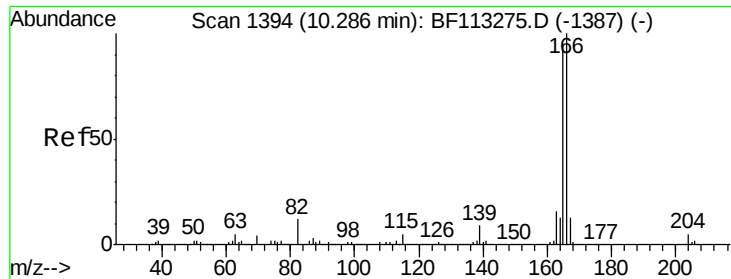
Acq: 1 Apr 2019 15:04

Tgt Ion:	168	Resp:	69147
Ion Ratio	Lower	Upper	
168	100		
139	35.1	29.1	43.7
169	13.7	10.8	16.2



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





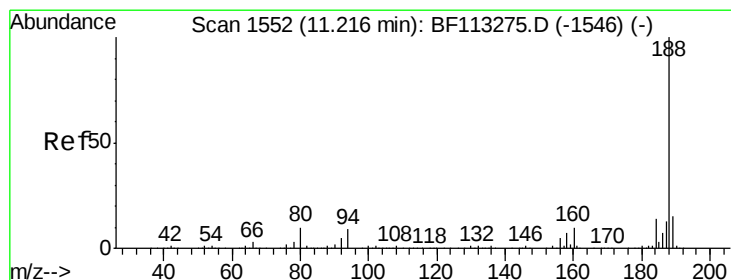
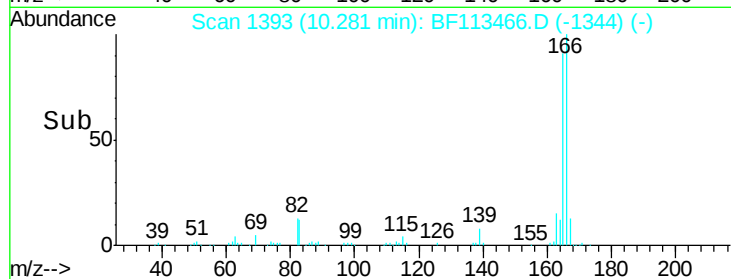
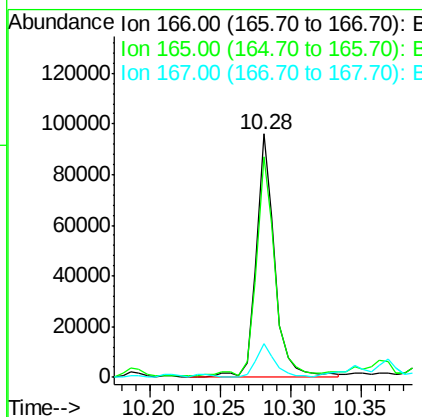
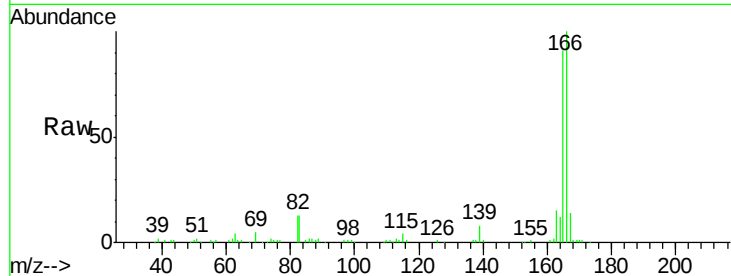
#58
Fluorene
 Concen: 4.288 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Instrument :
 BNA_F
 ClientSampleId :
 CS-9

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.6	75.8	113.6
167	13.9	11.2	16.8

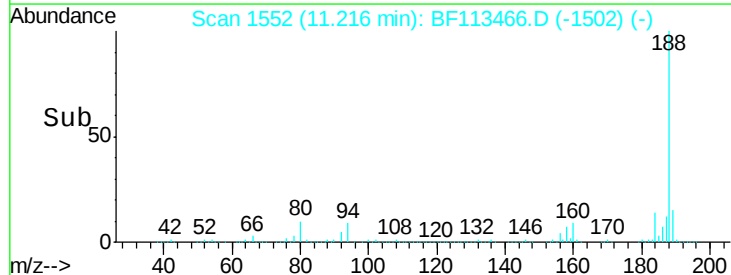
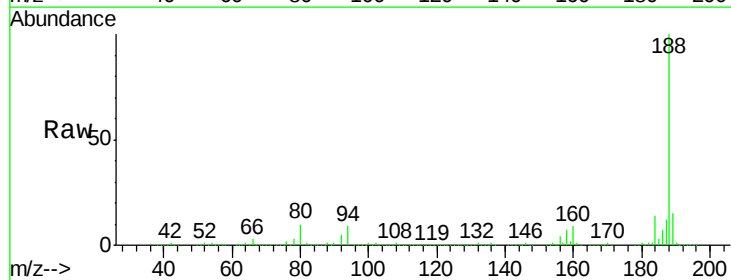
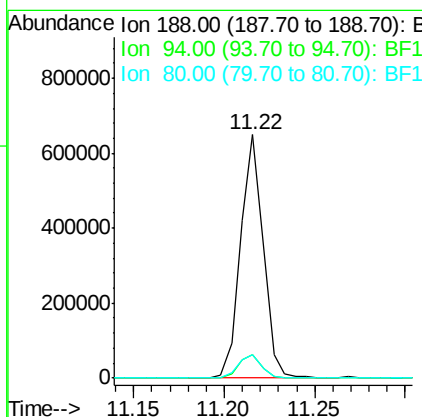
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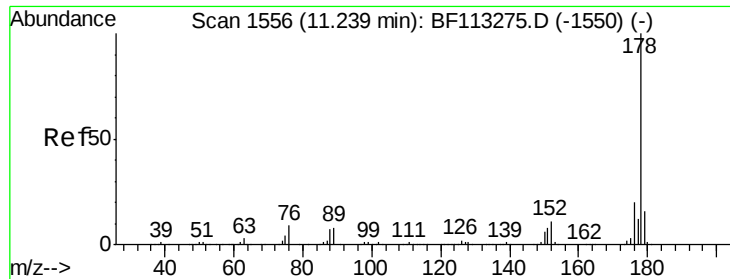
Sohil
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.8	11.6
80	9.6	8.2	12.2





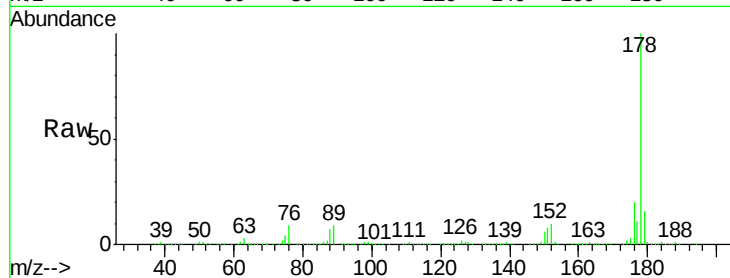
#71
Phenanthrene
Concen: 33.825 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113466.D
Acq: 1 Apr 2019 15:04

Instrument :
BNA_F
ClientSampled :
CS-9

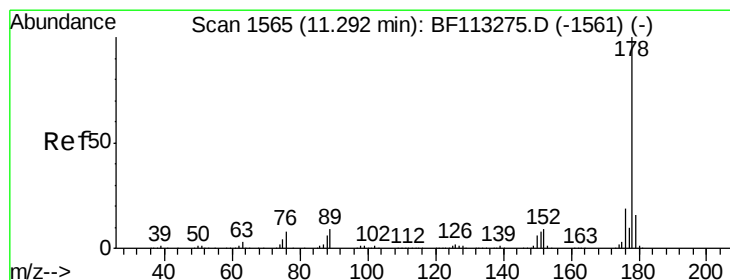
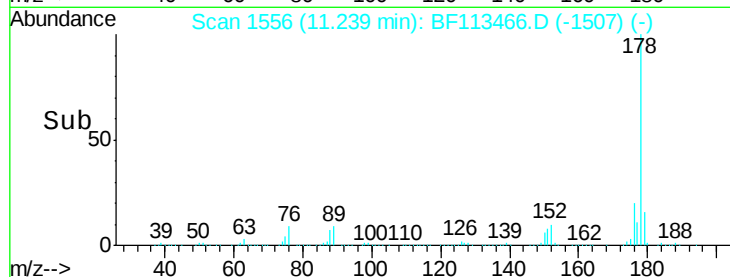
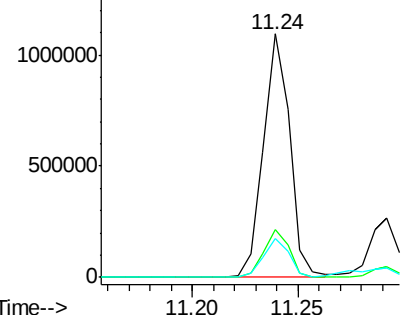
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.1	24.1
179	15.7	12.6	19.0

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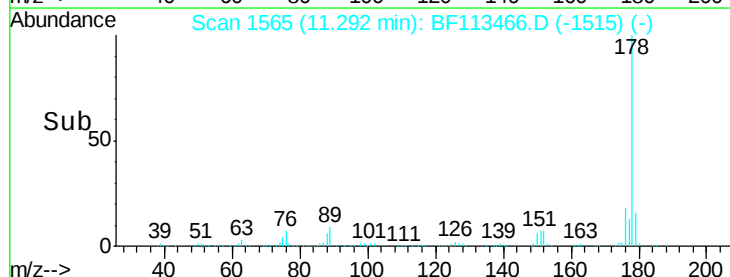
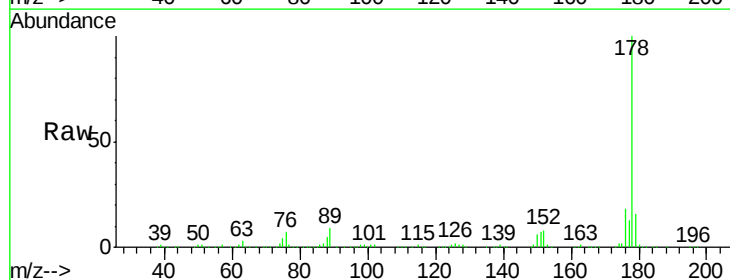
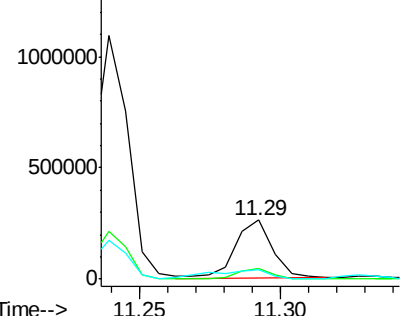
Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

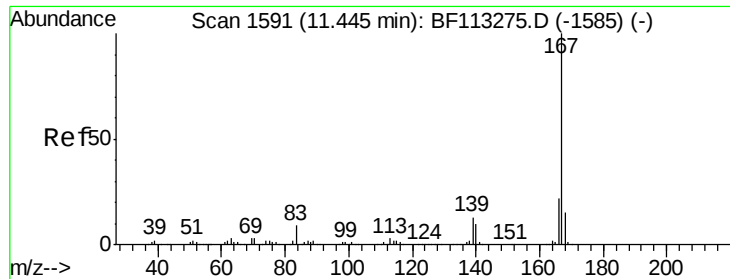


#72
Anthracene
Concen: 8.206 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF113466.D
Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.9	12.9	19.3

Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





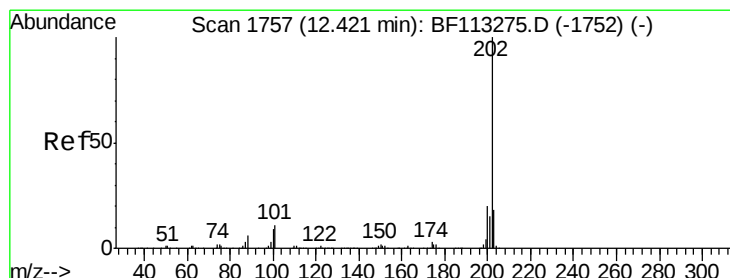
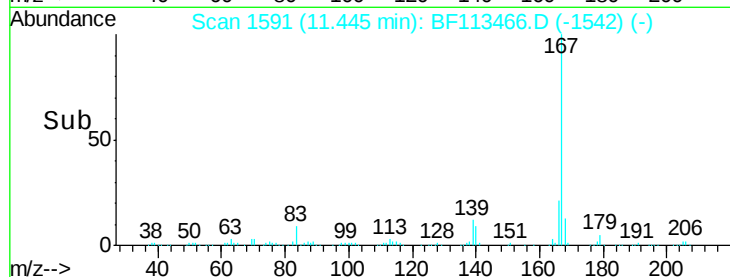
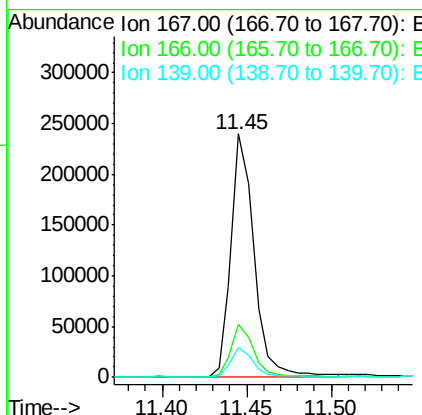
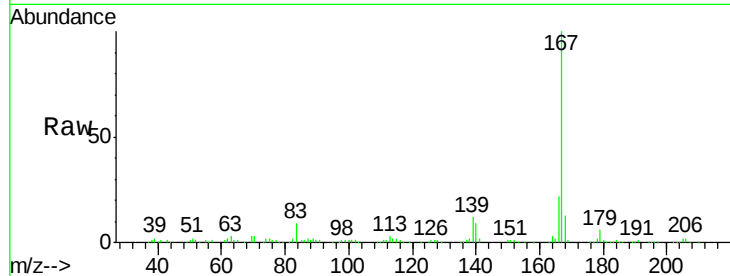
#73
 Carbazole
 Concen: 8.439 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Instrument :
 BNA_F
 ClientSampleId :
 CS-9

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.8	26.8
139	12.1	10.2	15.2

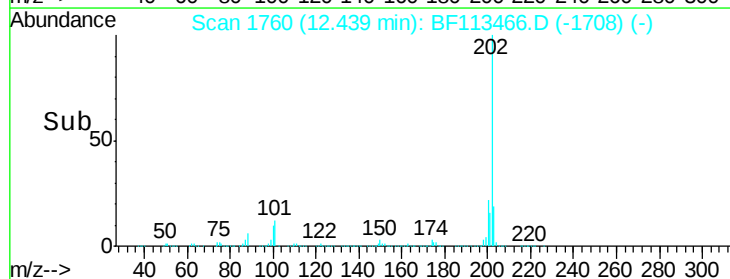
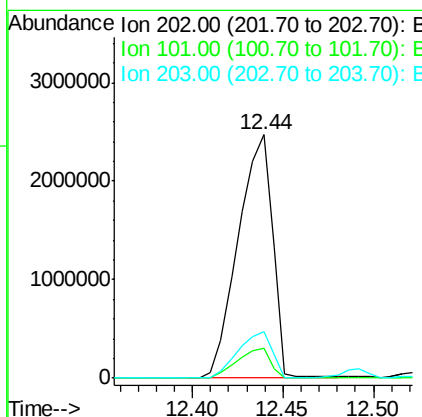
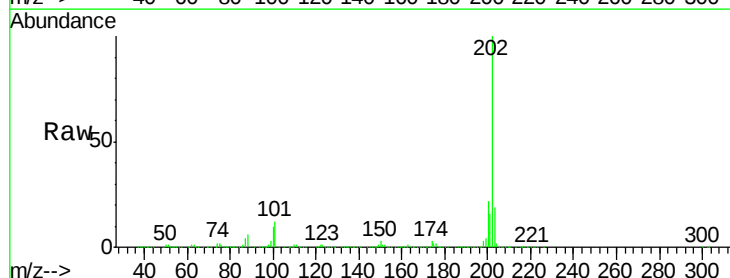
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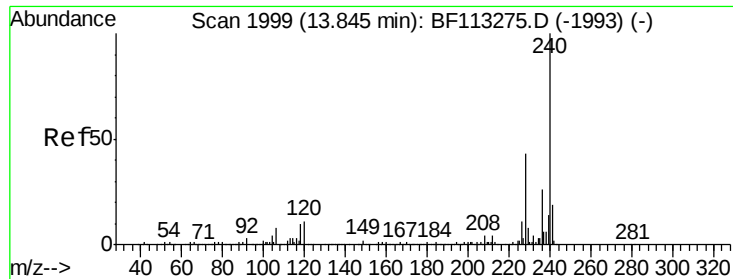
Sohil
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#75
 Fluoranthene
 Concen: 103.245 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. 0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	30.9
203	19.2	0.0	38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.00 min

Lab File: BF113466.D

Acq: 1 Apr 2019 15:04

Instrument :

BNA_F

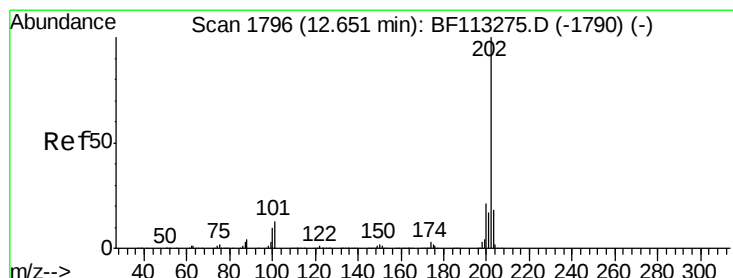
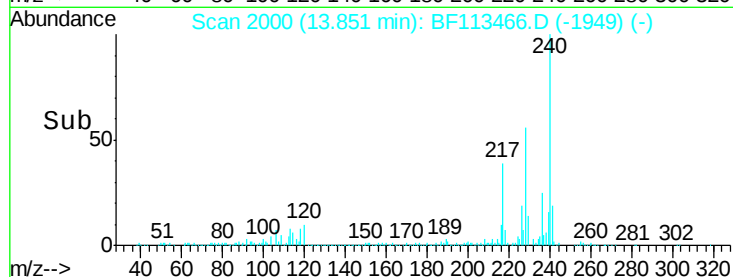
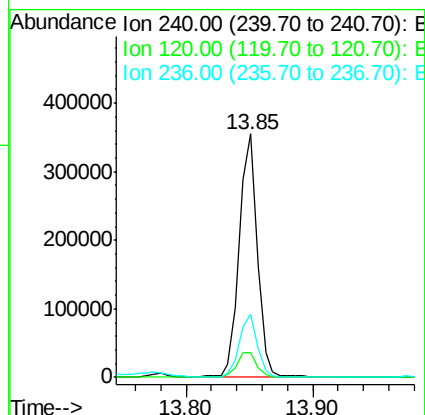
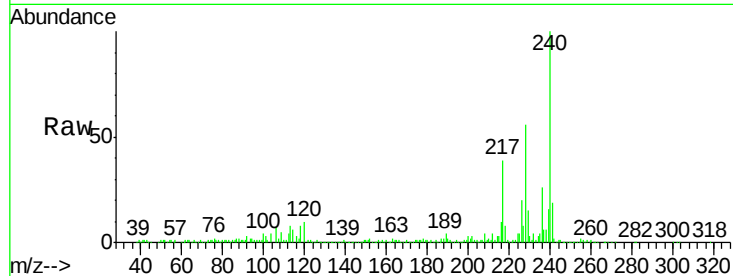
ClientSampleId :

CS-9

Tgt Ion:	240	Resp:	345052
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.7	14.5
236	26.0	20.9	31.3

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#78

Pyrene

Concen: 115.386 ng

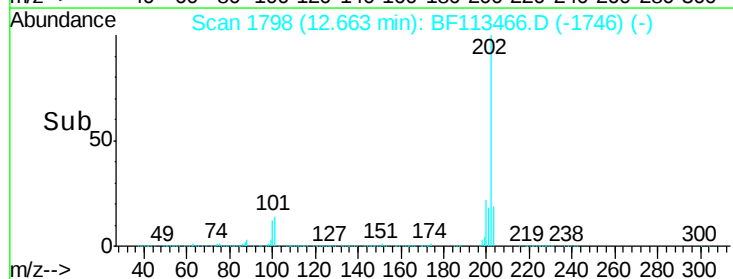
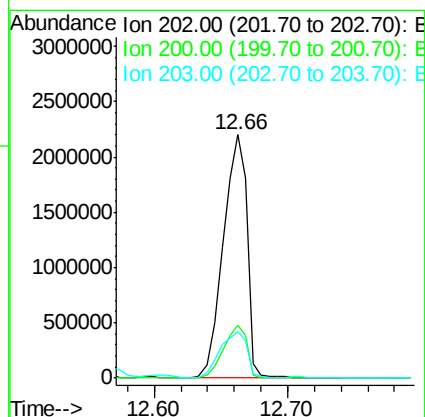
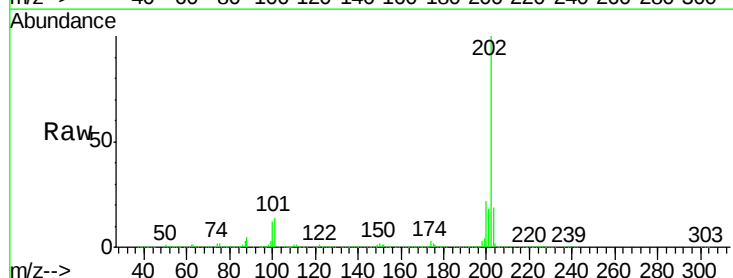
RT: 12.66 min Scan# 1798

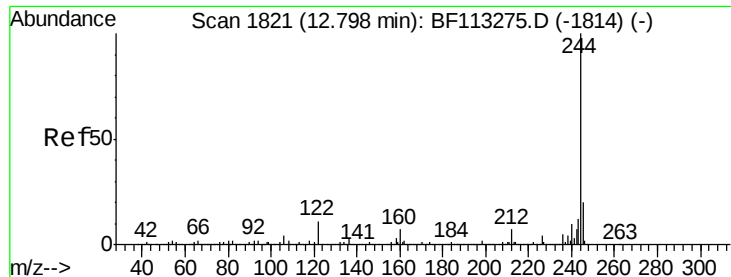
Delta R.T. 0.01 min

Lab File: BF113466.D

Acq: 1 Apr 2019 15:04

Tgt Ion:	202	Resp:	2758986
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.0	25.6
203	19.2	14.7	22.1





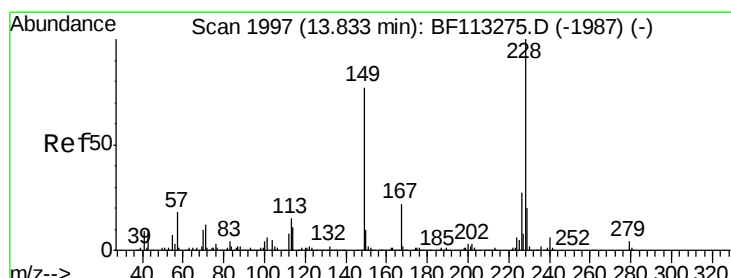
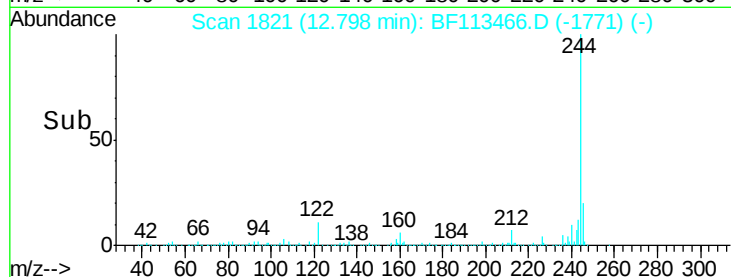
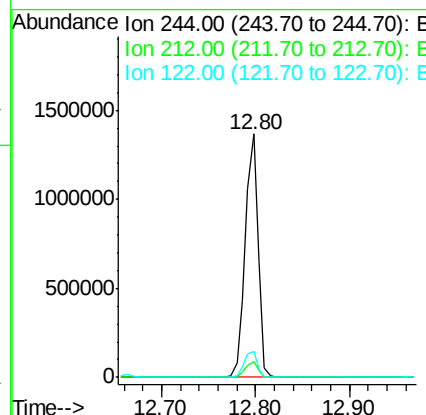
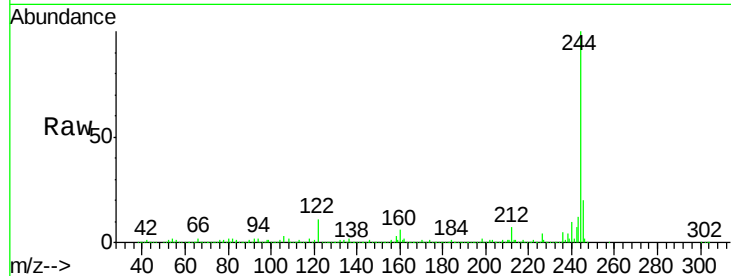
#79
 Terphenyl-d14
 Concen: 83.274 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Instrument :
 BNA_F
 ClientSampled :
 CS-9

Tgt Ion:244 Resp: 1303607
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.7 8.7 13.1

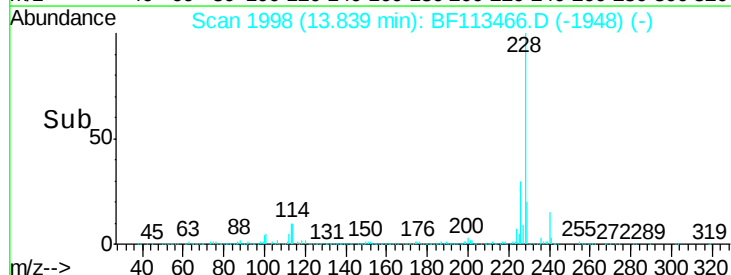
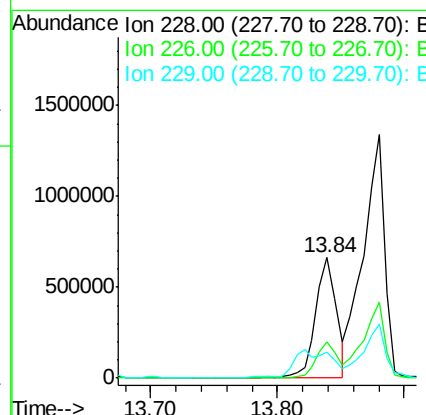
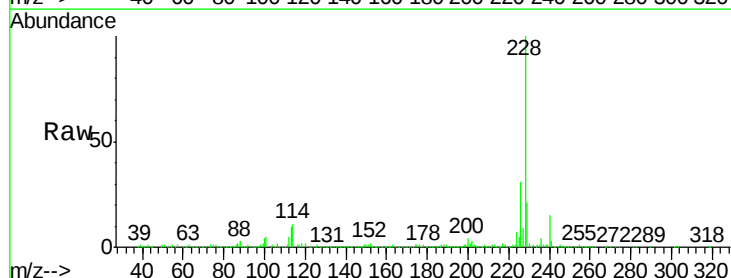
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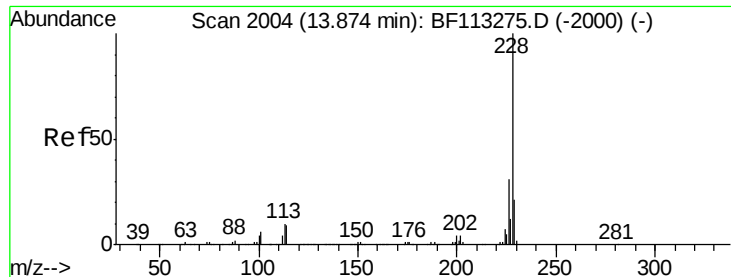
Sohil
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#81
 Benzo(a)anthracene
 Concen: 38.064 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF113466.D
 Acq: 1 Apr 2019 15:04

Tgt Ion:228 Resp: 751809
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.0 33.0
 229 21.1 16.0 24.0





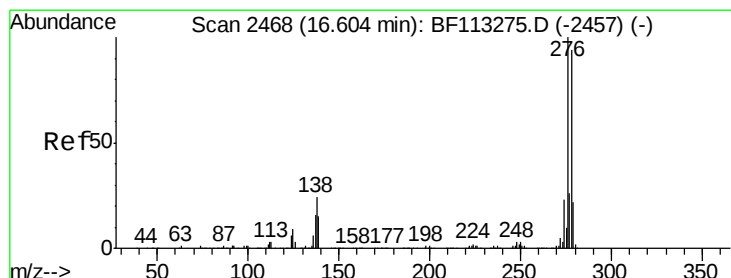
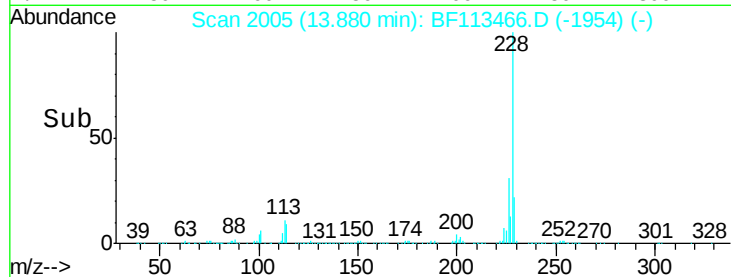
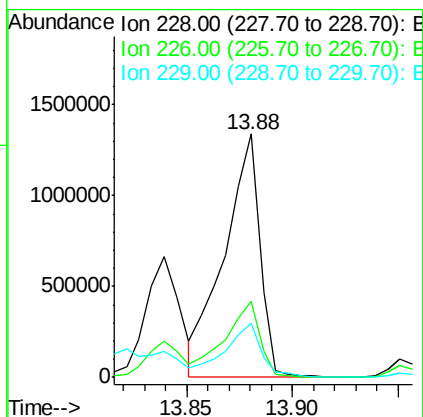
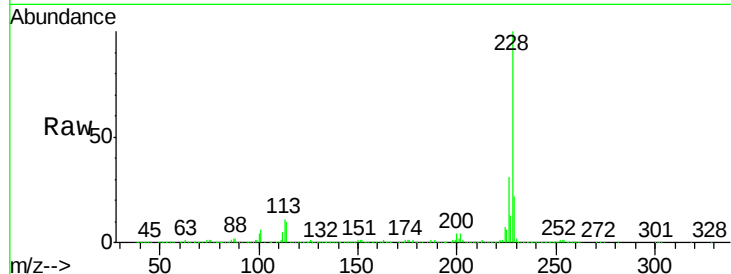
#83
Chrysene
Concen: 77.848 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BF113466.D
Acq: 1 Apr 2019 15:04

Instrument :
BNA_F
ClientSampleId :
CS-9

Tgt Ion:228 Resp: 1561774
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.4
229 22.3 16.2 24.2

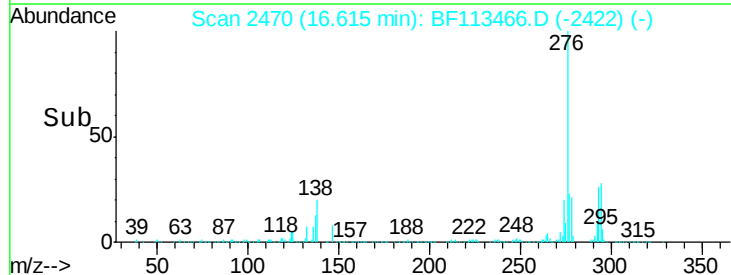
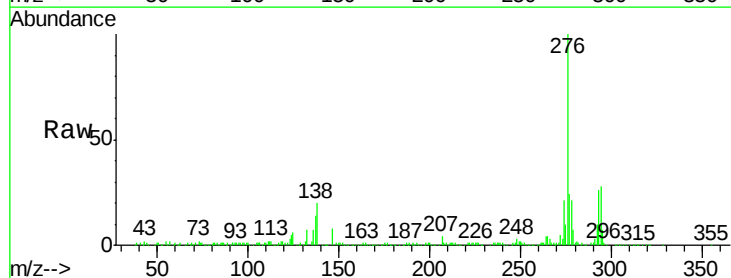
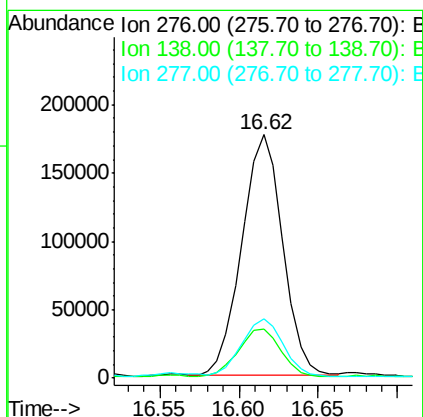
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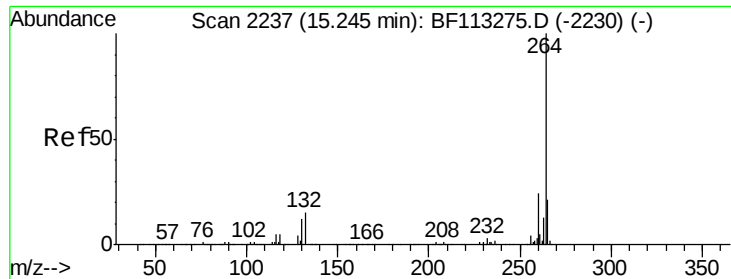
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 18.204 ng
RT: 16.62 min Scan# 2470
Delta R.T. -0.02 min
Lab File: BF113466.D
Acq: 1 Apr 2019 15:04

Tgt Ion:276 Resp: 313429
Ion Ratio Lower Upper
276 100
138 20.5 19.3 28.9
277 24.5 20.0 30.0





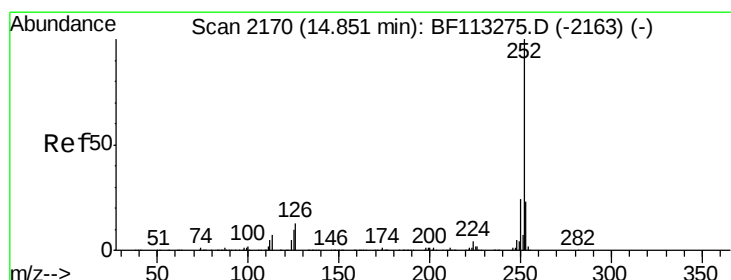
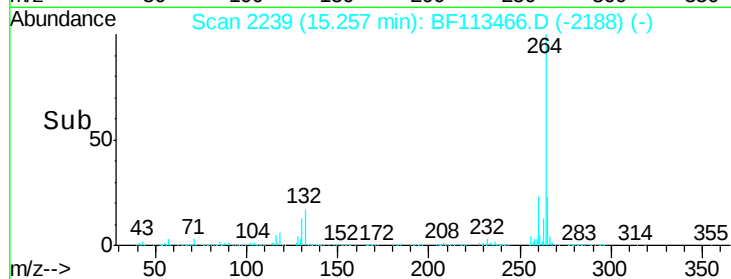
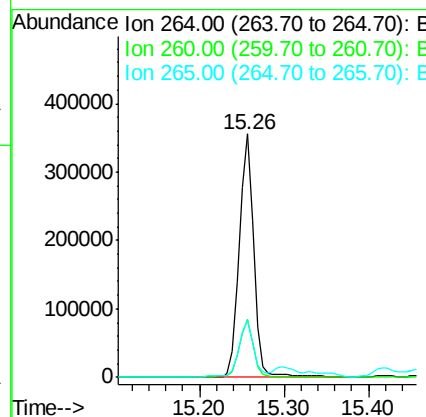
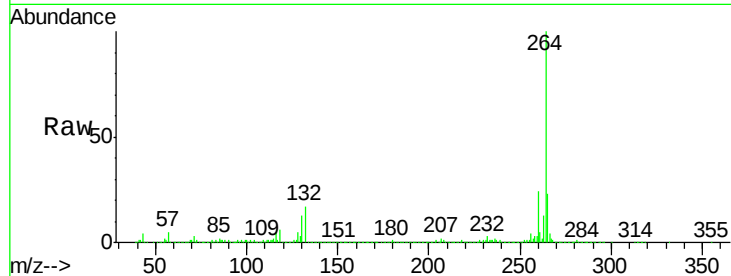
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BF113466.D
Acq: 1 Apr 2019 15:04

Instrument :
BNA_F
ClientSampleId :
CS-9

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	23.2	17.2	25.8

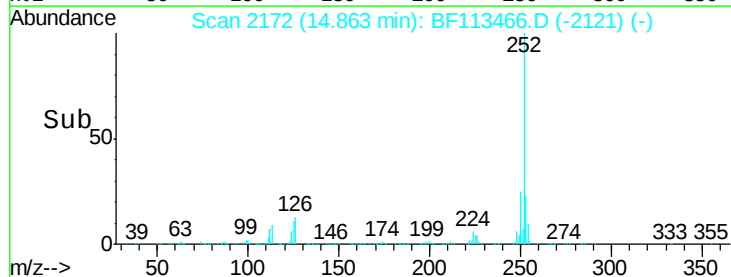
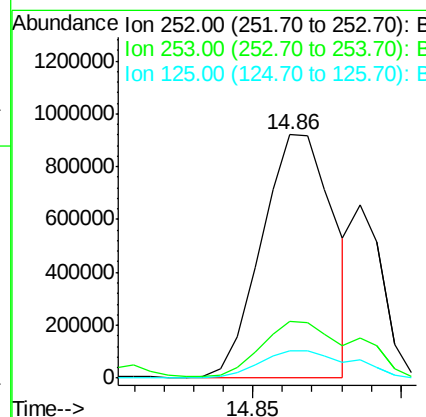
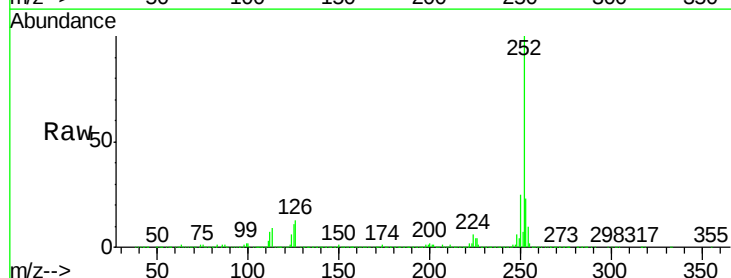
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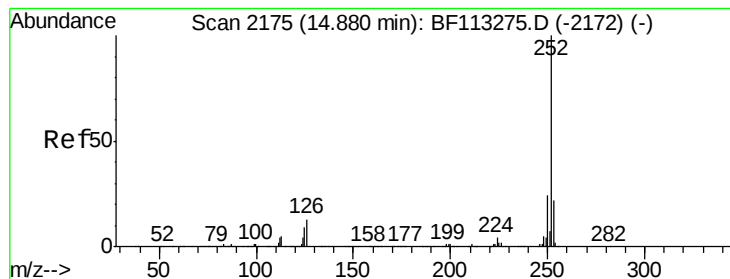
Sohil
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#88
Benzo(b)fluoranthene
Concen: 60.704 ng m
RT: 14.86 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BF113466.D
Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	11.4	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 21.016 ng m

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF113466.D

Acq: 1 Apr 2019 15:04

Instrument :

BNA_F

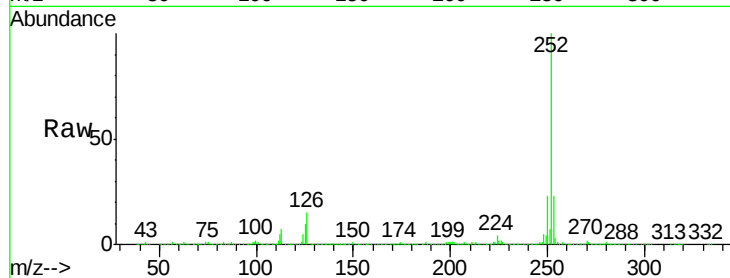
ClientSampleId :

CS-9

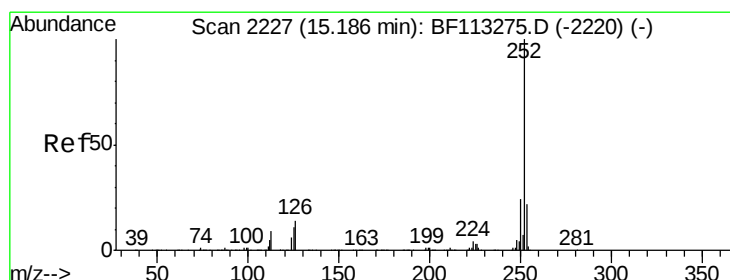
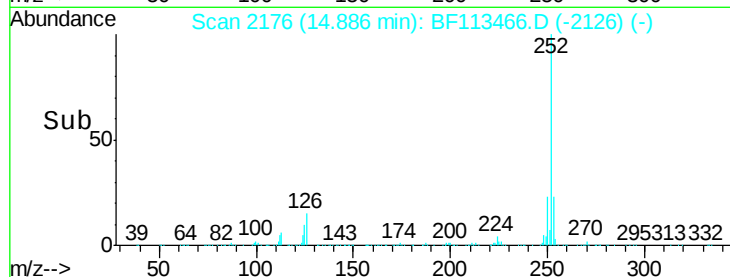
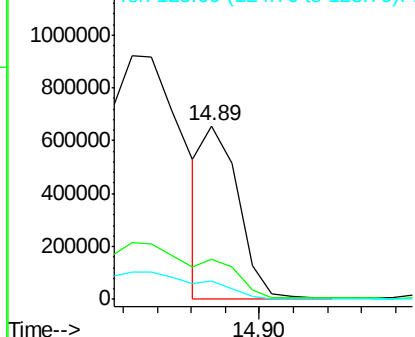
Tgt Ion:	252	Resp:	472769
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.9	26.9
125	10.4	7.3	10.9

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



#90

Benzo(a)pyrene

Concen: 17.851 ng

RT: 15.20 min Scan# 2229

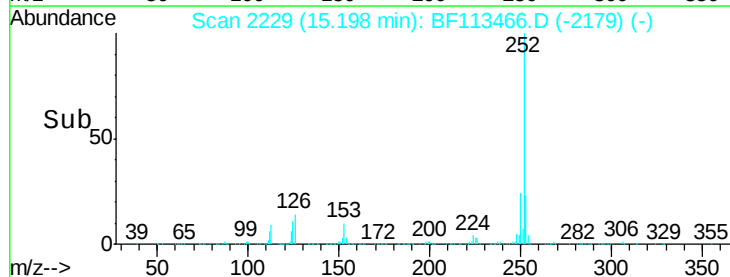
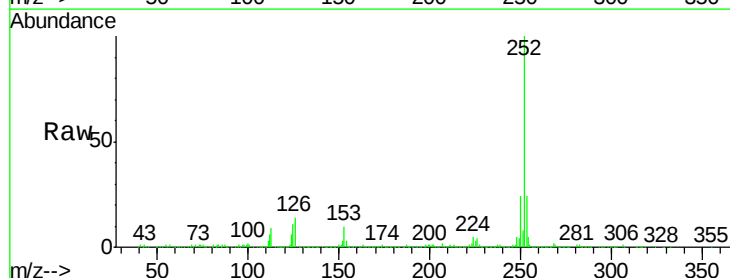
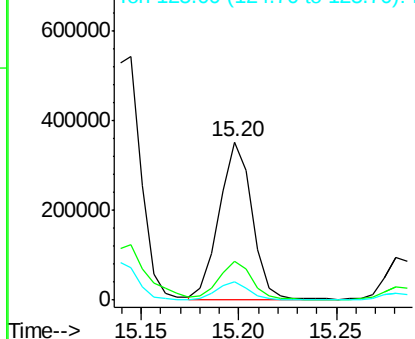
Delta R.T. -0.01 min

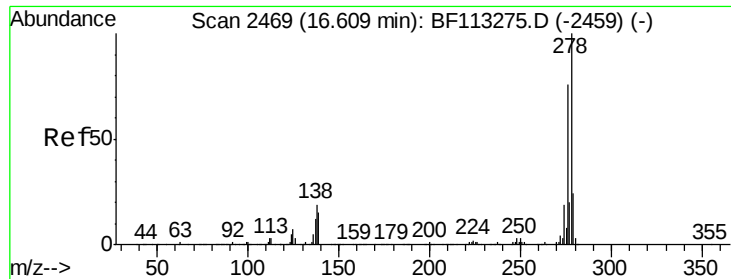
Lab File: BF113466.D

Acq: 1 Apr 2019 15:04

Tgt Ion:	252	Resp:	405383
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.6	26.4
125	11.3	8.4	12.6

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





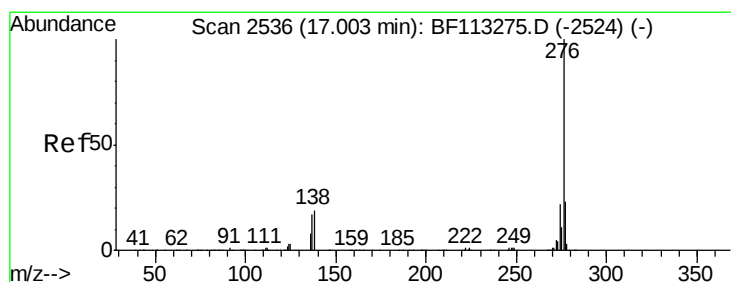
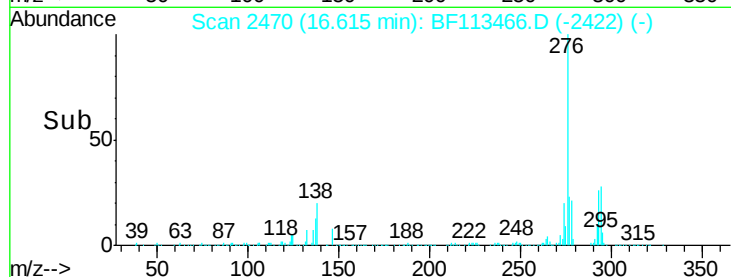
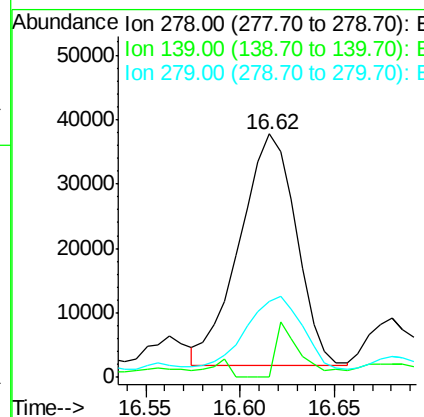
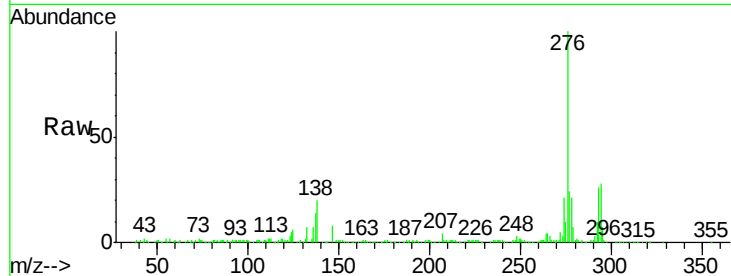
#91
Dibenzo(a,h)anthracene
Concen: 3.793 ng m
RT: 16.62 min Scan# 2470
Delta R.T. -0.02 min
Lab File: BF113466.D
Acq: 1 Apr 2019 15:04

Instrument :
BNA_F
ClientSampled :
CS-9

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	18.8#
279	31.1	19.3	28.9#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 12.712 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BF113466.D
Acq: 1 Apr 2019 15:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	21.0	17.0	25.6

