

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111823.D
 Acq On : 3 Jan 2019 16:16
 Operator : JU/SJ
 Sample : K1017-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Sohil
 1/4/2019 9:56:39 AM

Quant Time: Jan 04 01:50:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	256791	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	712221	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	437933	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	532199	20.00	ng	0.01
76) Chrysene-d12	14.07	240	557635	20.00	ng	0.02
87) Perylene-d12	15.56	264	294440	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1353865	89.87	ng	0.02
7) Phenol-d6	6.55	99	1653336	86.23	ng	0.02
23) Nitrobenzene-d5	7.46	82	898590	73.44	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	340895	65.88	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1851018	61.61	ng	0.00
79) Terphenyl-d14	13.01	244	979644	33.32	ng	0.01
Target Compounds						
10) Phenol	6.56	94	83636	3.866	ng	Qvalue 92
31) Naphthalene	8.20	128	133784	3.909	ng	96
37) 2-Methylnaphthalene	8.89	142	44944	2.019	ng	99
38) 1-Methylnaphthalene	8.99	142	46275	2.164	ng	98
50) Dimethylphthalate	9.65	163	290447	9.069	ng	98
52) Acenaphthene	9.97	154	83017	3.148	ng	99
55) Dibenzofuran	10.14	168	97698	2.452	ng	93
58) Fluorene	10.49	166	74374	2.590	ng	98
71) Phenanthrene	11.45	178	763728	27.059	ng	94
72) Anthracene	11.50	178	181948	6.422	ng	94
75) Fluoranthene	12.64	202	920200	32.196	ng	94
78) Pyrene	12.87	202	899207	22.835	ng	97
81) Benzo(a)anthracene	14.06	228	702086	22.062	ng	99
83) Chrysene	14.09	228	604275	19.319	ng	97
86) Indeno(1,2,3-cd)pyrene	17.05	276	160157	6.023	ng	# 84
88) Benzo(b)fluoranthene	15.12	252	494749m	28.751	ng	
89) Benzo(k)fluoranthene	15.14	252	146612m	8.949	ng	
90) Benzo(a)pyrene	15.49	252	320038m	20.471	ng	
91) Dibenzo(a,h)anthracene	17.06	278	41212	3.010	ng	# 89
92) Benzo(a,h,i)perylene	17.51	276	148318	11.095	ng	# 88

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

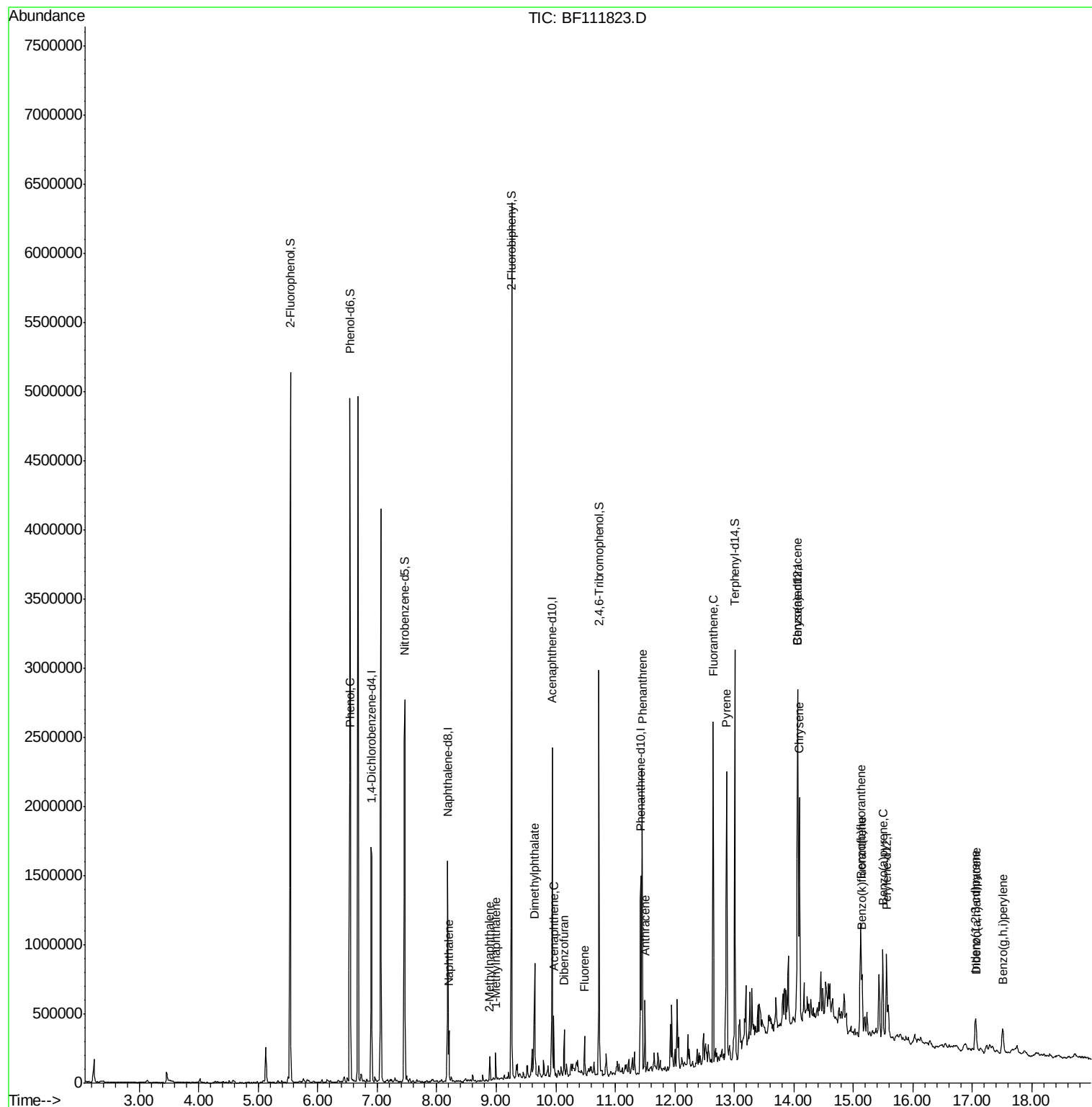
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
Data File : BF111823.D
Acq On : 3 Jan 2019 16:16
Operator : JU/SJ
Sample : K1017-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

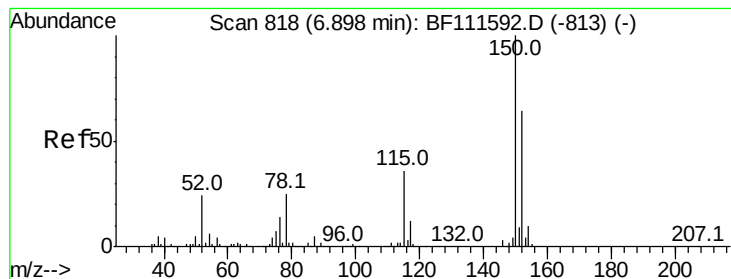
Instrument :
BNA_F
ClientSampled :
TP-1

Quant Time: Jan 04 01:50:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

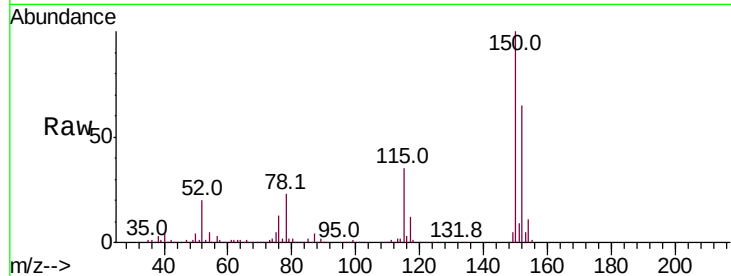
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.6	189.8
115	54.6	50.7	76.1

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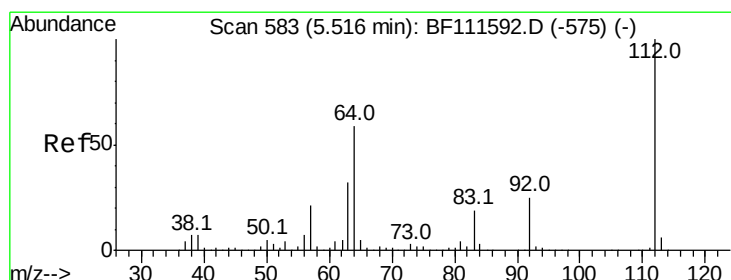
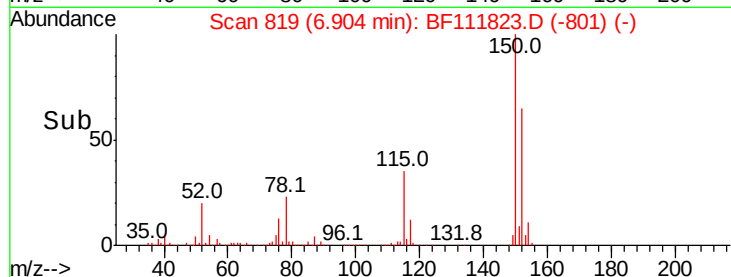
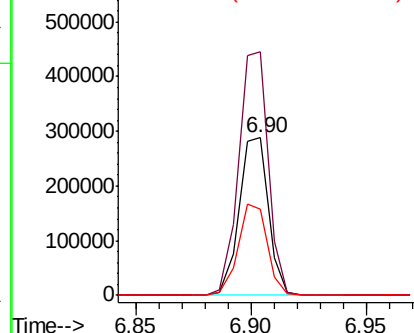


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

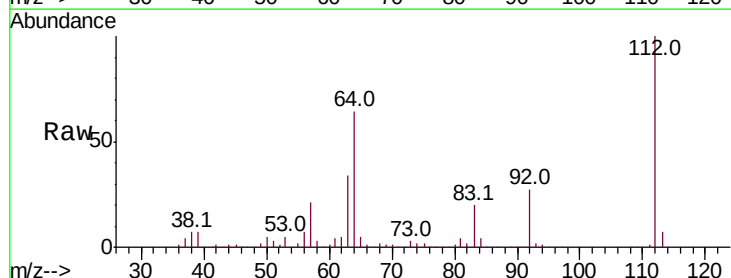
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.867 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	51.8	77.6
63	34.3	26.8	40.2

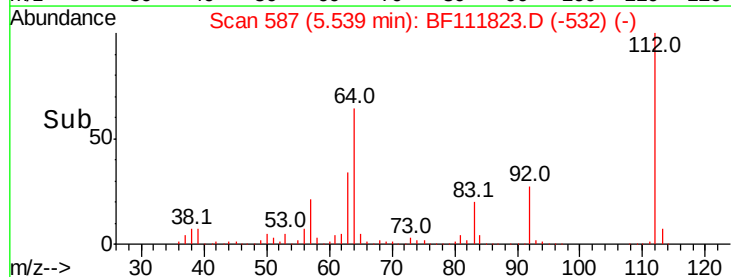
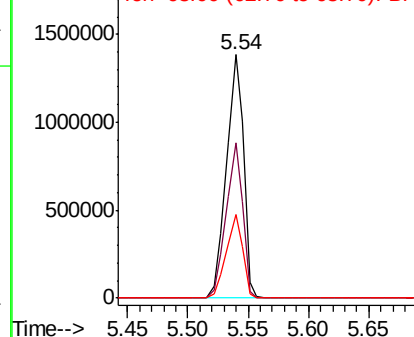


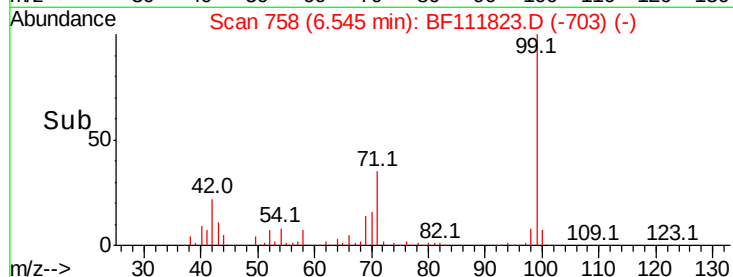
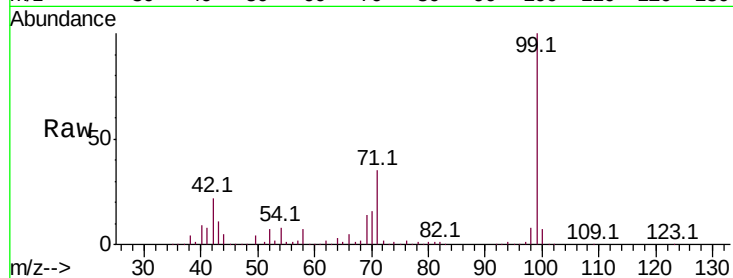
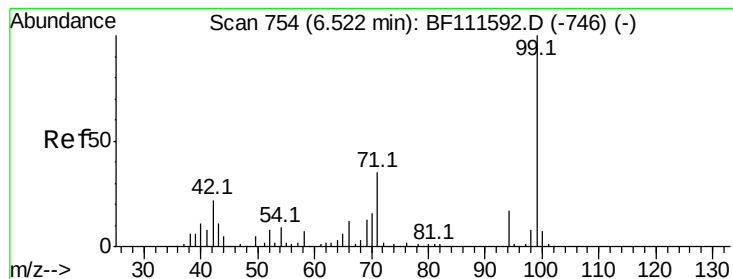
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.234 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Tot Ion: 99 Resp: 1653336

Ion Ratio Lower Upper

99 100

42 21.8 17.4 26.0

71 35.3 26.1 39.1

Instrument :

BNA_F

ClientSampled :

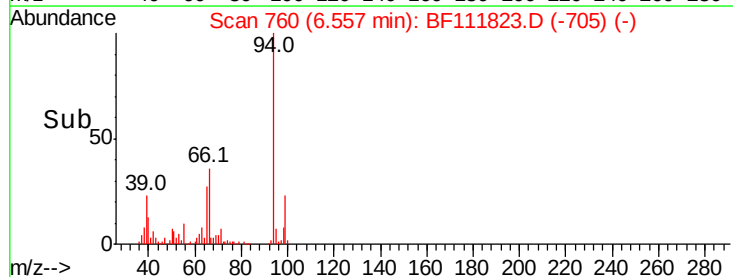
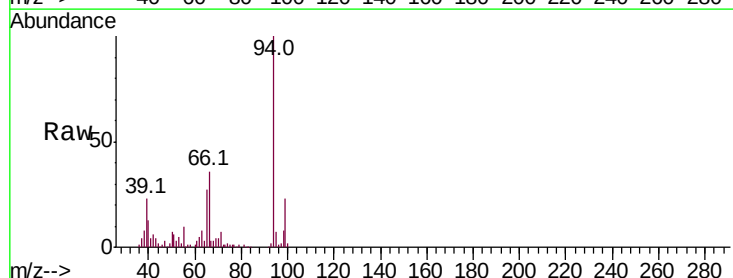
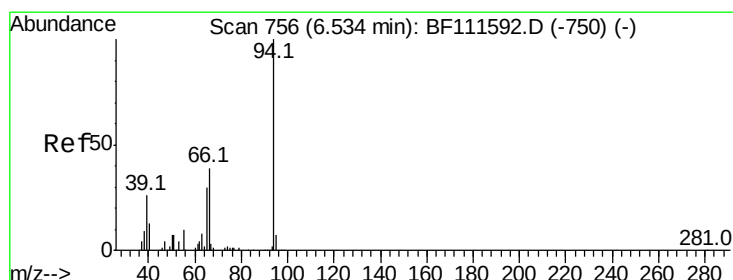
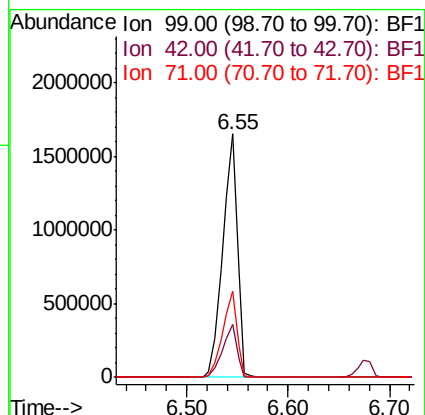
TP-1

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#10

Phenol

Concen: 3.866 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

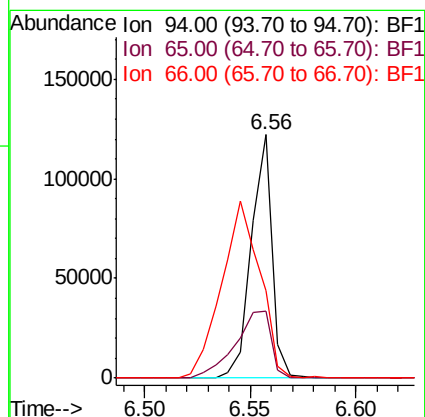
Tgt Ion: 94 Resp: 83636

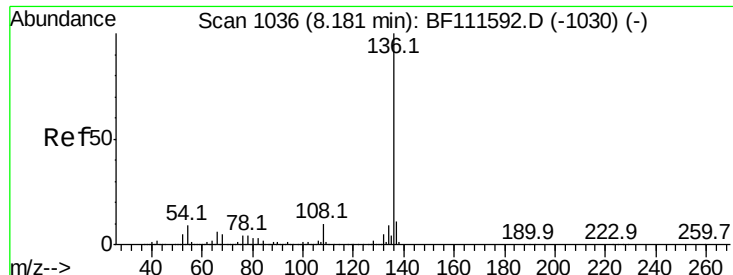
Ion Ratio Lower Upper

94 100

65 27.4 11.7 51.7

66 36.1 21.0 61.0





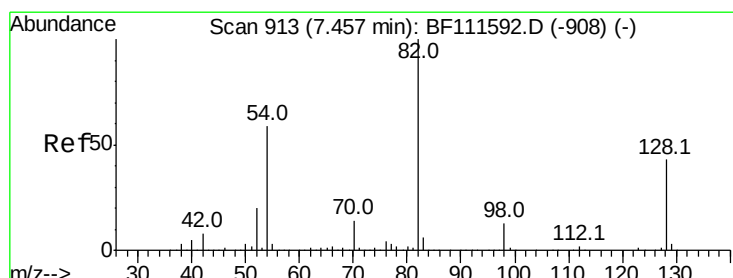
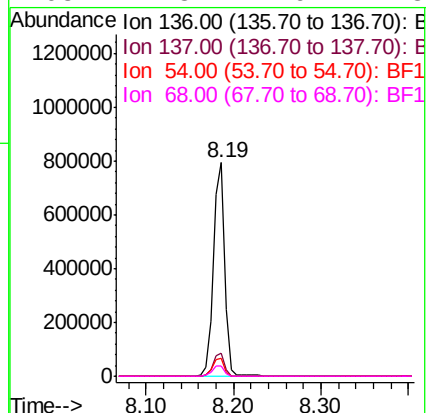
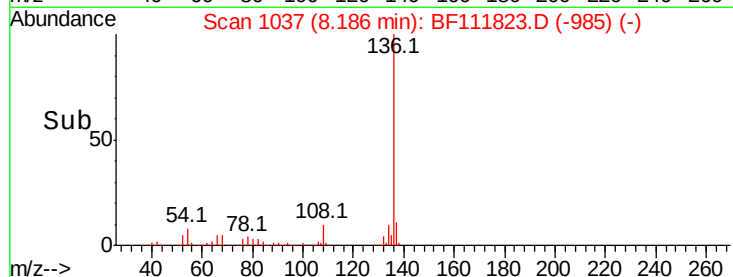
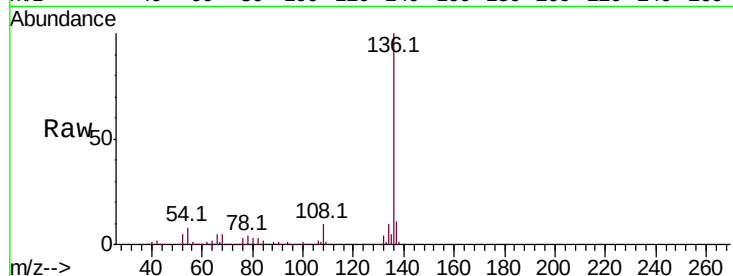
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	712221		
137	11.0	9.1	13.7	
54	8.2	7.7	11.5	
68	4.8	4.9	7.3#	

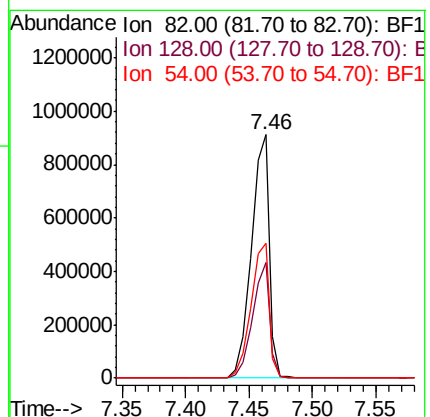
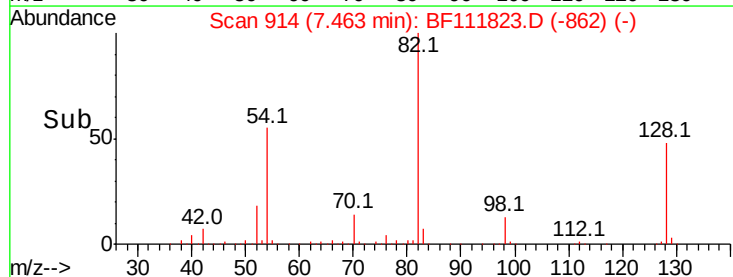
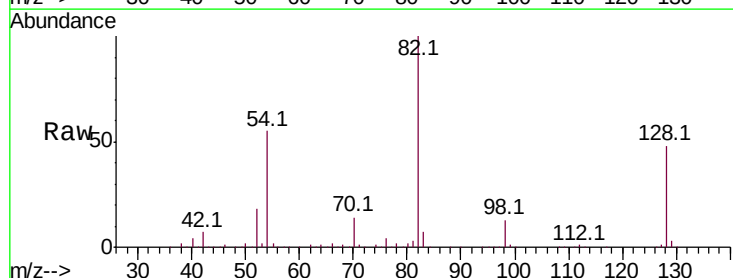
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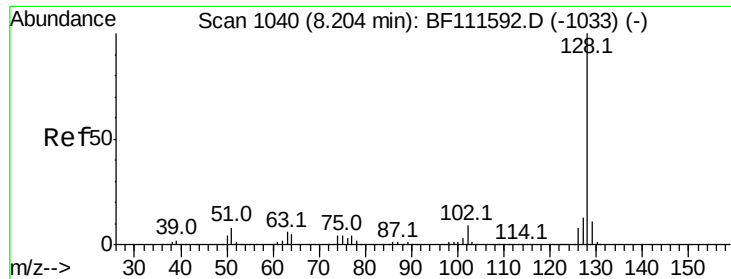
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#23
Nitrobenzene-d5
Concen: 73.439 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	898590		
128	47.6	37.4	56.2	
54	55.3	47.6	71.4	





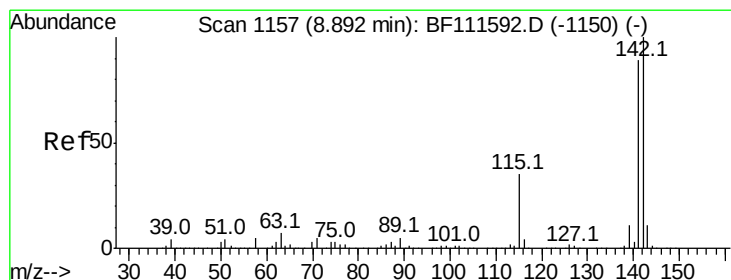
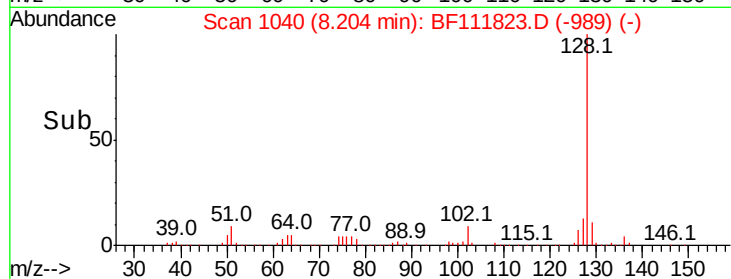
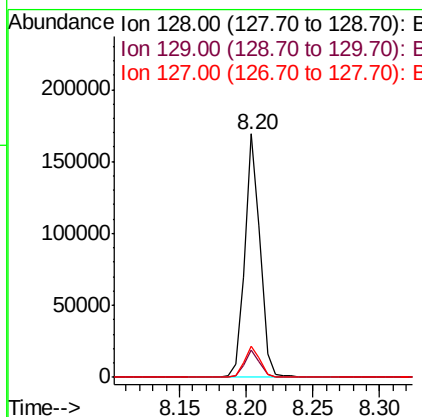
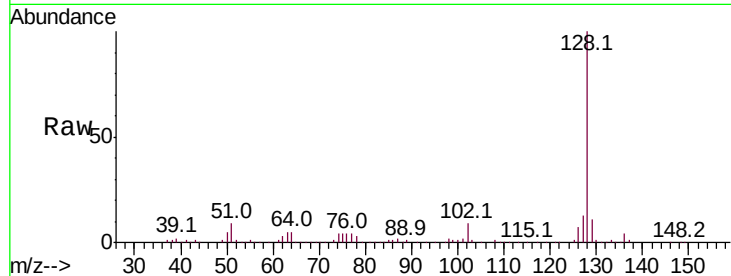
#31
Naphthalene
Concen: 3.909 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.8	14.8
127	12.8	12.0	18.0

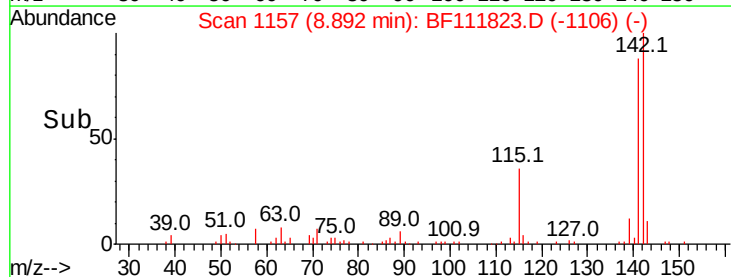
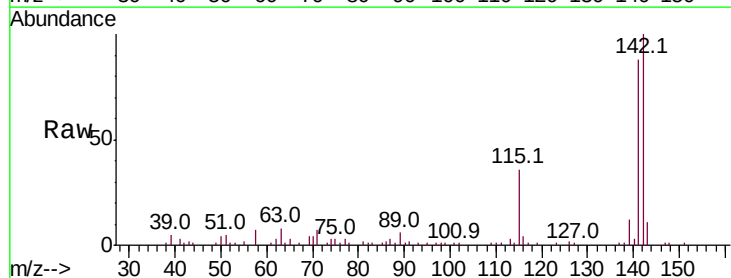
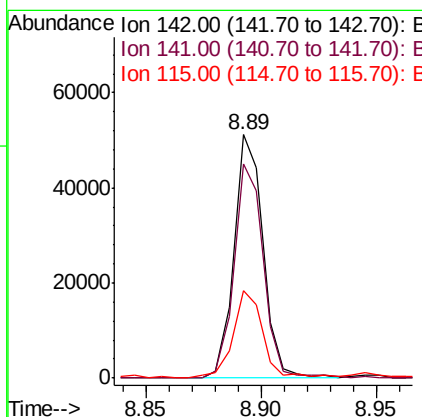
Manual Integrations
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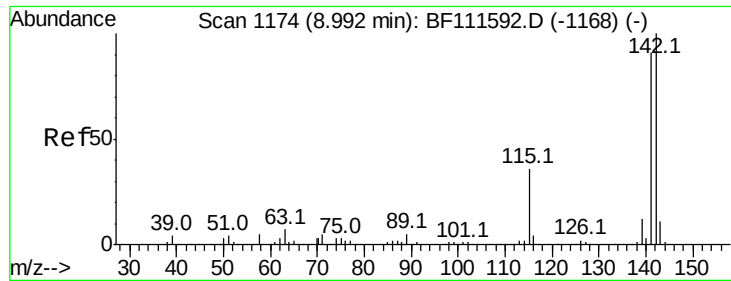
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#37
2-Methylnaphthalene
Concen: 2.019 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.6	105.8
115	35.9	27.0	40.6





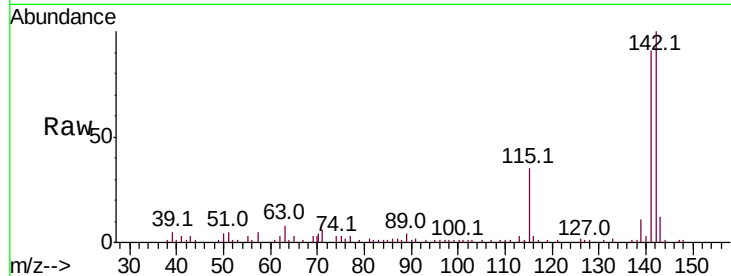
#38
1-Methylnaphthalene
Concen: 2.164 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.2	111.4
116	3.4	2.9	4.3

Manual Integrations
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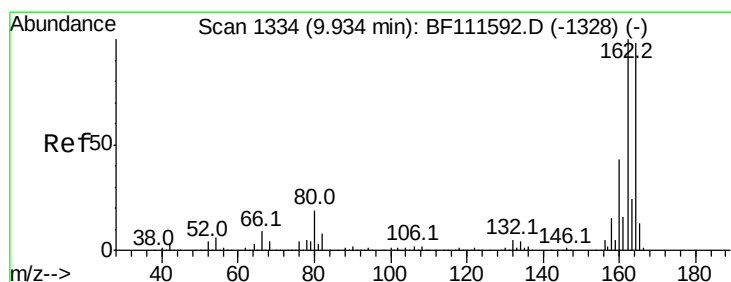
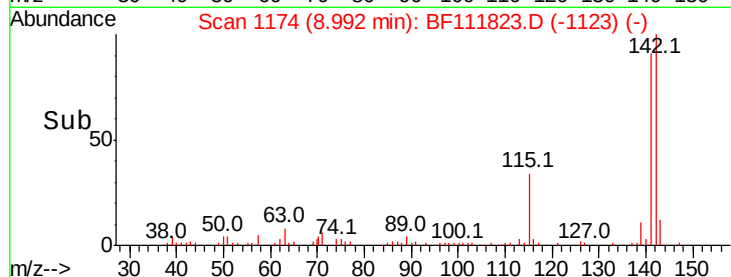
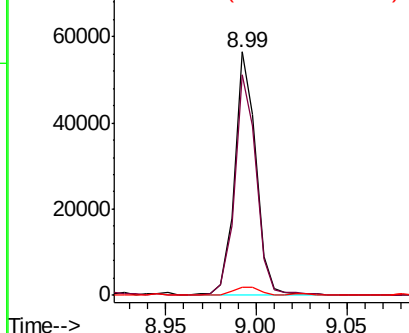


Abundance

Ion 142.00 (141.70 to 142.70): E

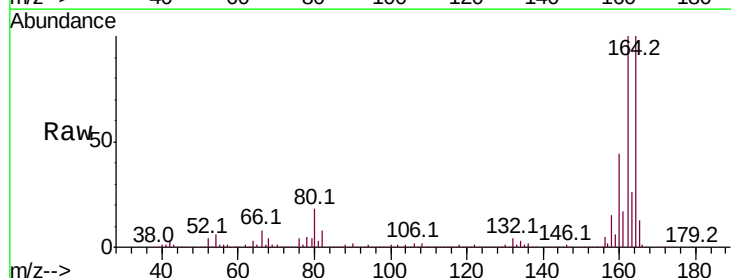
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.4	122.0
160	43.9	35.7	53.5

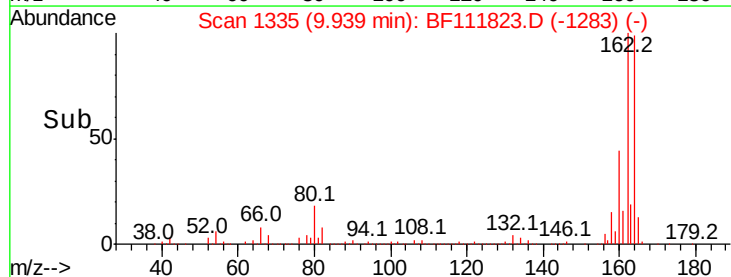
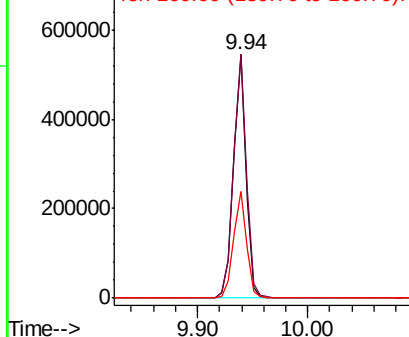


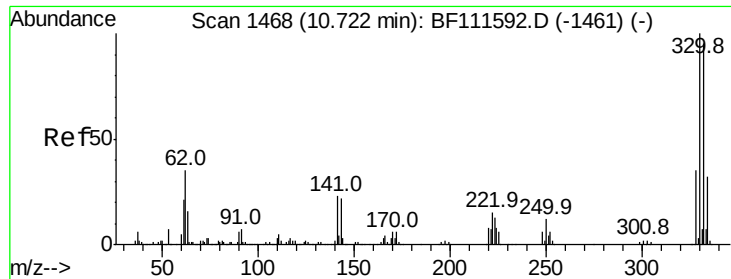
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





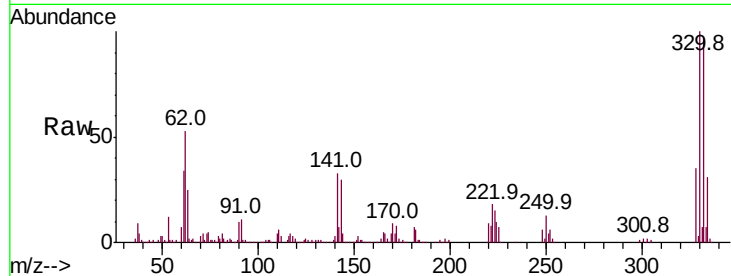
#42
 2,4,6-Tribromophenol
 Concen: 65.880 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF111823.D
 Acq: 3 Jan 2019 16:16

Instrument :
 BNA_F
 ClientSampled :
 TP-1

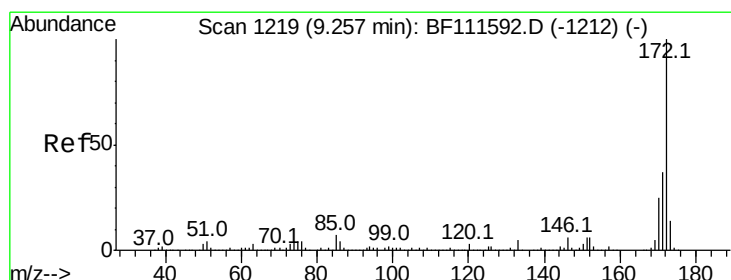
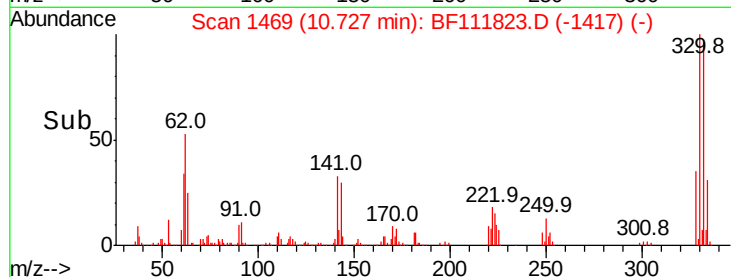
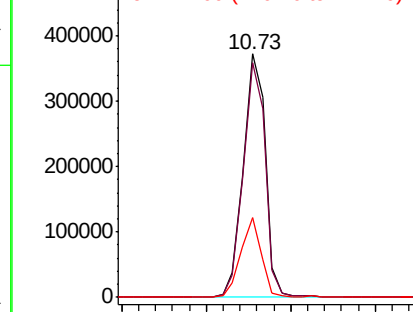
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.0	114.0
141	29.5	31.0	46.6#

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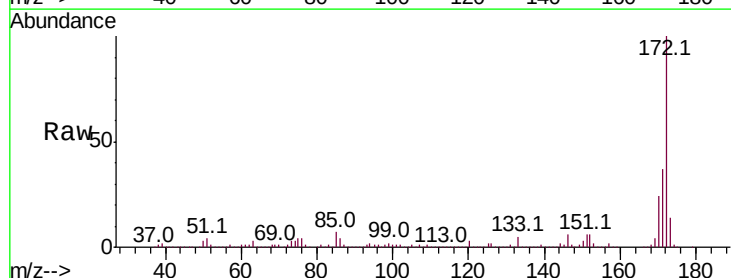


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

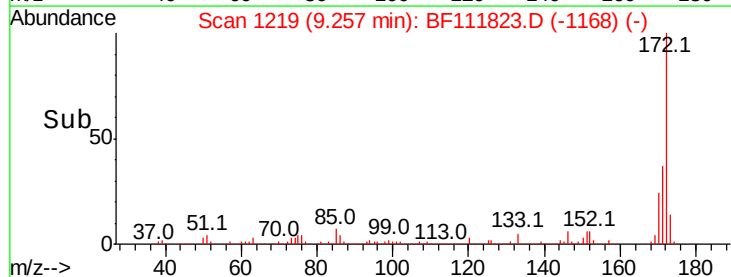
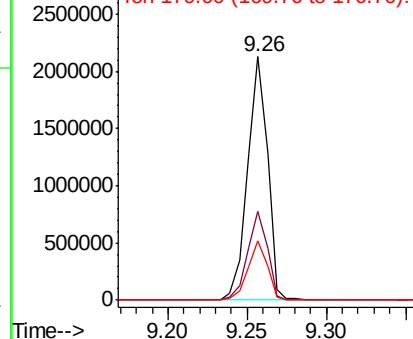


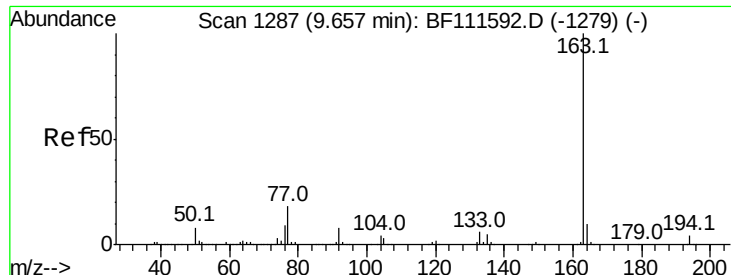
#45
 2-Fluorobiphenyl
 Concen: 61.608 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111823.D
 Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	33.0	49.4
170	24.2	22.3	33.5



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





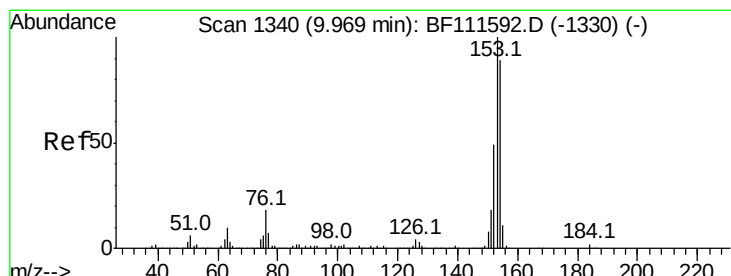
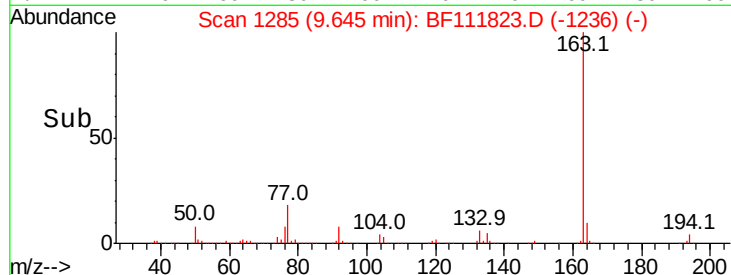
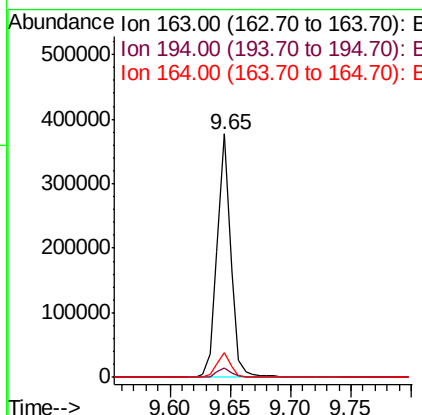
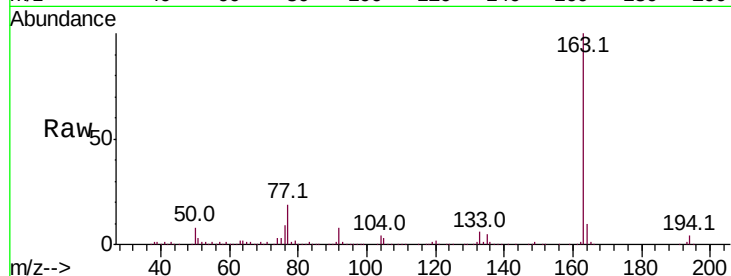
#50
Dimethylphthalate
Concen: 9.069 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	290447		
194	4.1		3.0	4.6
164	10.1		8.9	13.3

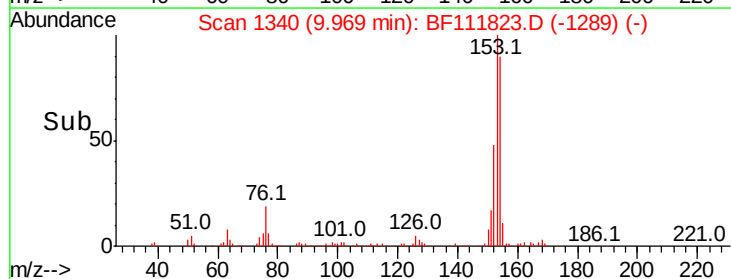
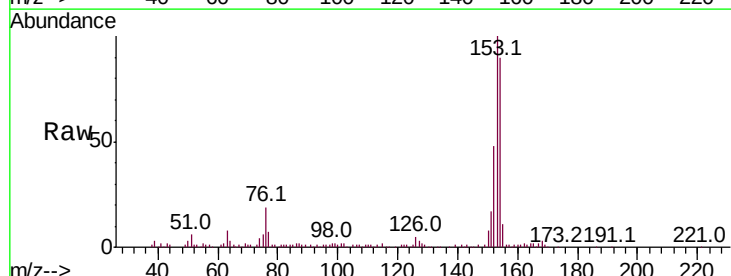
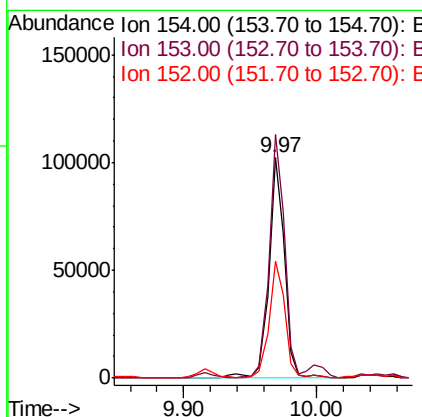
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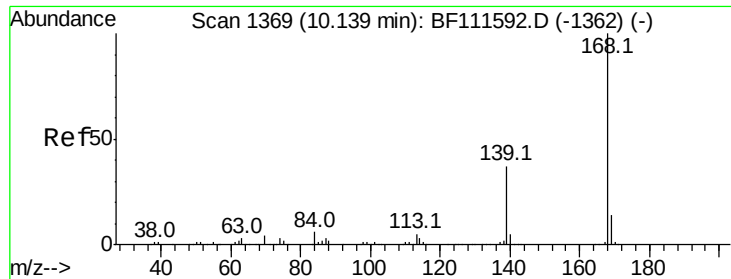
Sohil
1/4/2019 9:56:39 AM



#52
Acenaphthene
Concen: 3.148 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.00 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	83017		
153	110.6		87.8	131.8
152	53.2		43.4	65.2





#55

Dibenzofuran

Concen: 2.452 ng

RT: 10.14 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion:168 Resp: 97698

Ion Ratio Lower Upper

168 100

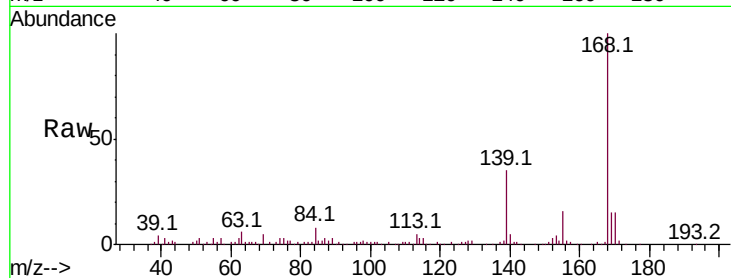
139 35.4 32.6 49.0

169 15.2 11.8 17.6

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Sohil

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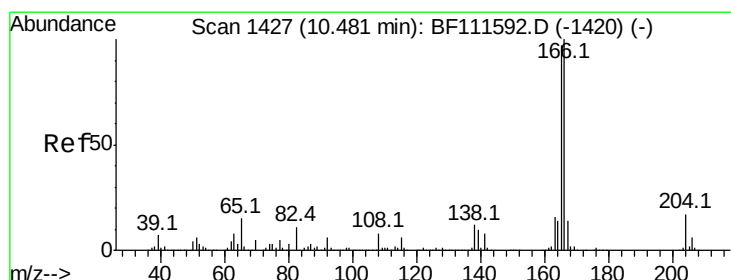
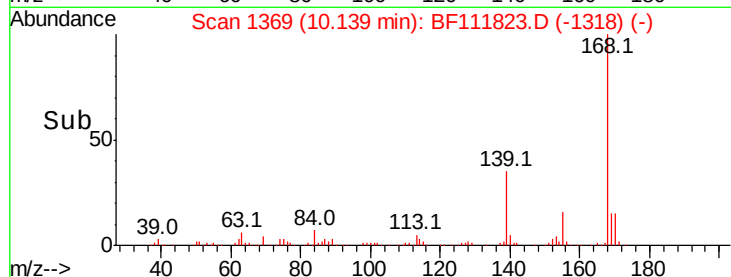
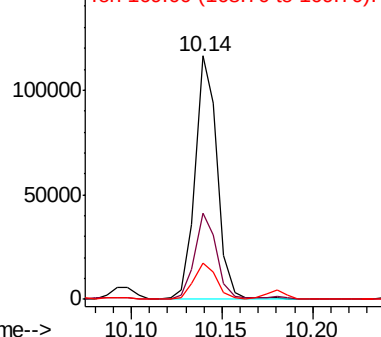


Abundance

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: 2.590 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

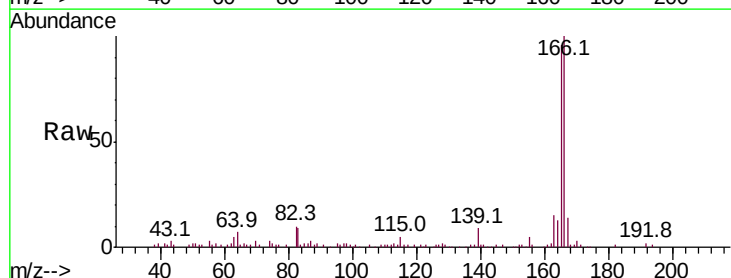
Tgt Ion:166 Resp: 74374

Ion Ratio Lower Upper

166 100

165 96.3 78.4 117.6

167 14.1 11.2 16.8

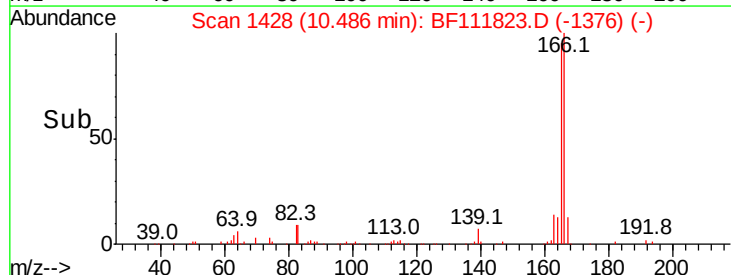
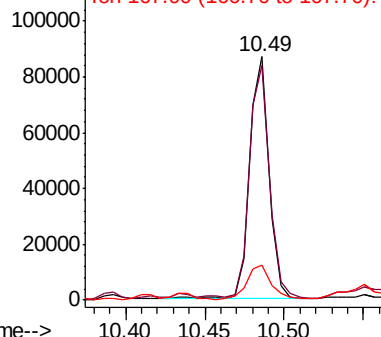


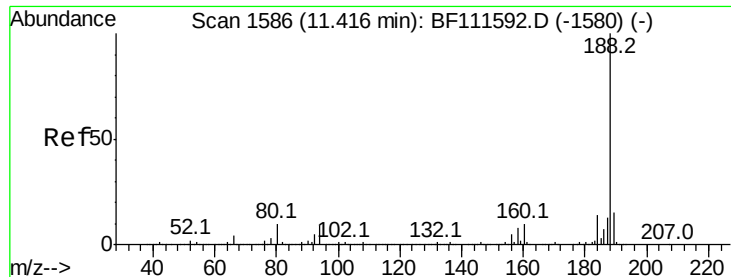
Abundance

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





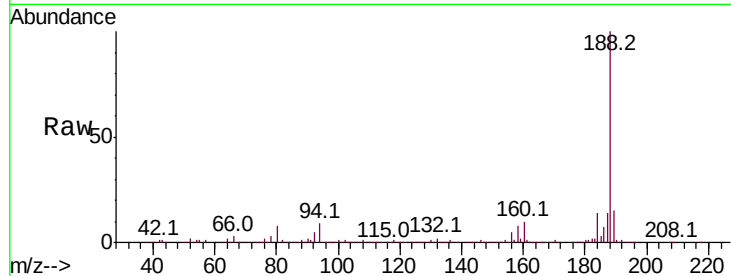
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :
TP-1

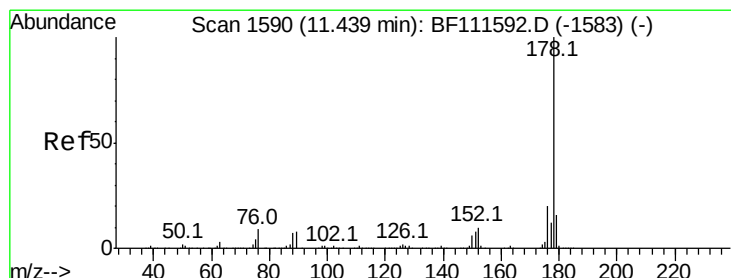
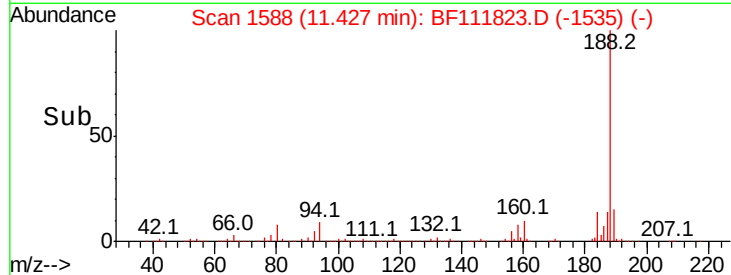
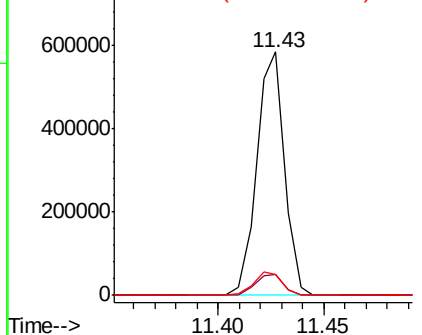
Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.5	9.6	14.4#
80	8.4	9.8	14.6#

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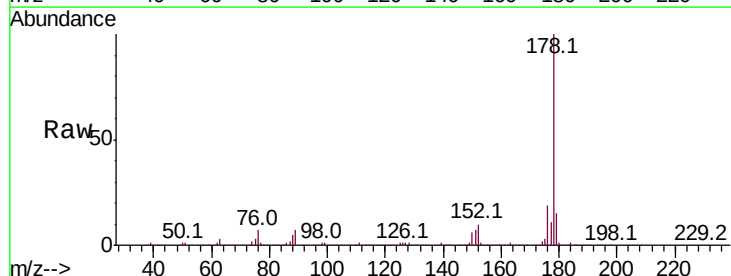


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

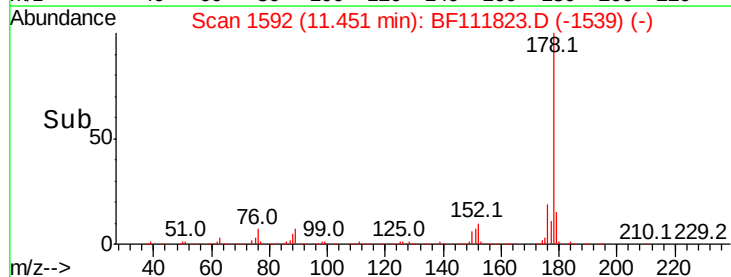
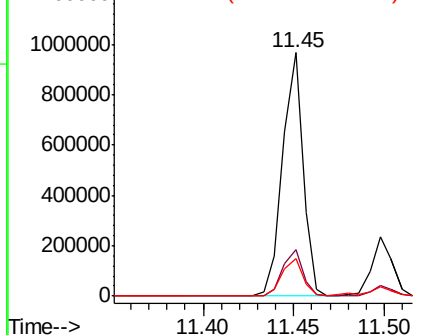


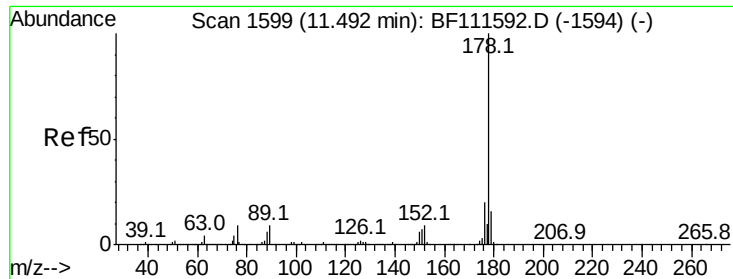
#71
Phenanthrene
Concen: 27.059 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	18.1	27.1
179	15.4	14.0	21.0



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





#72

Anthracene

Concen: 6.422 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

ClientSampleId :

TP-1

Tot Ion:178 Resp: 181948

Ion Ratio Lower Upper

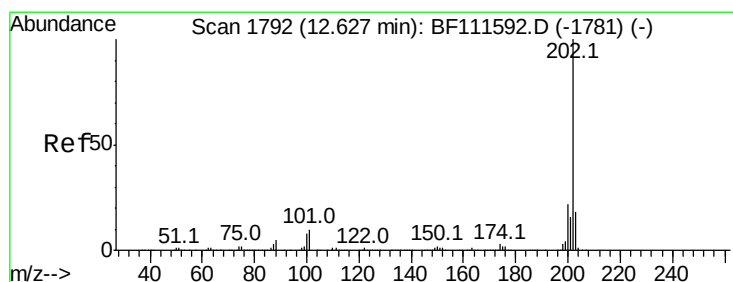
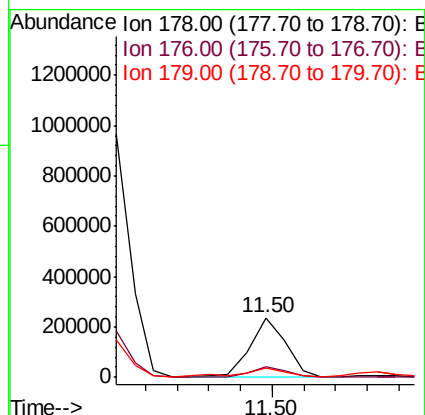
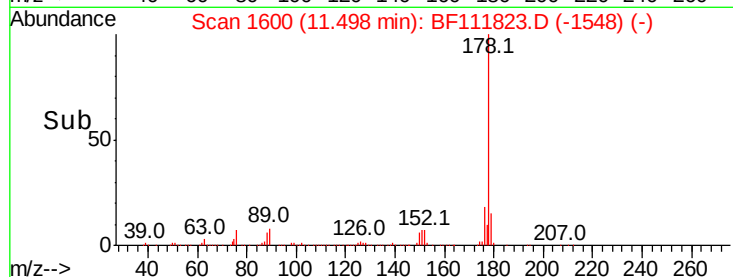
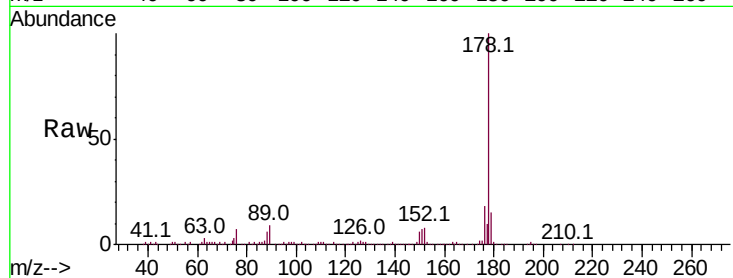
178 100

176 18.0 17.2 25.8

179 15.3 13.8 20.8

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#75

Fluoranthene

Concen: 32.196 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.02 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

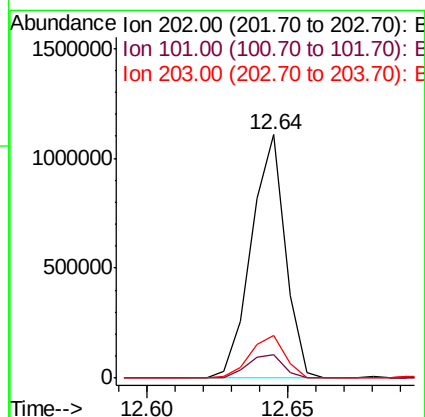
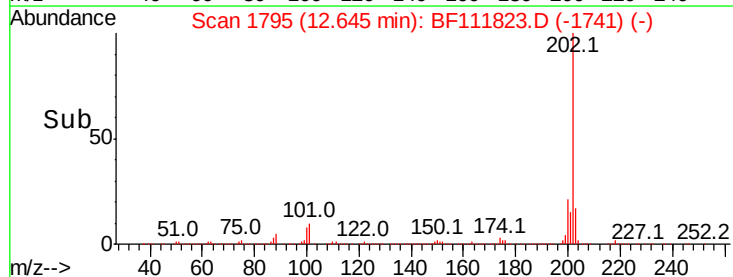
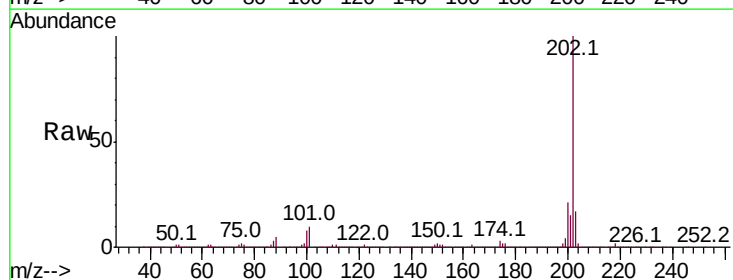
Tgt Ion:202 Resp: 920200

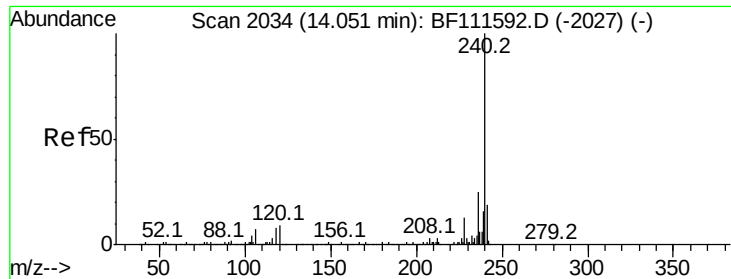
Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.8

203 17.4 0.0 38.6





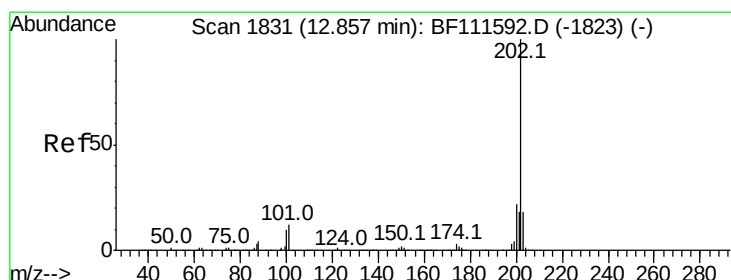
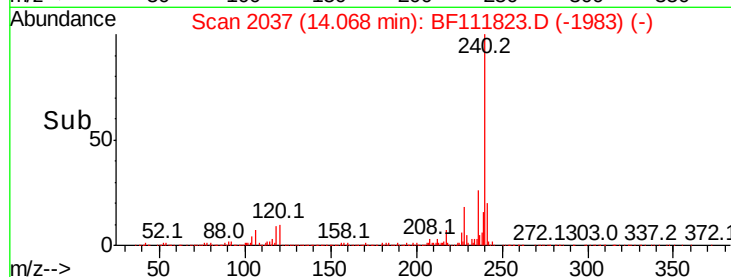
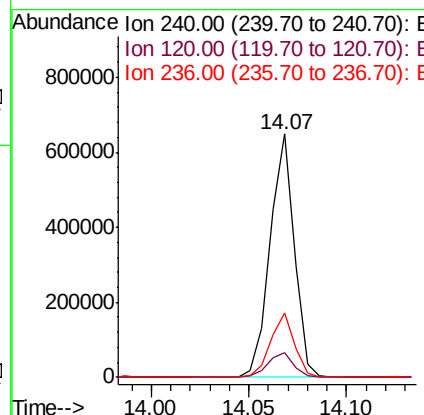
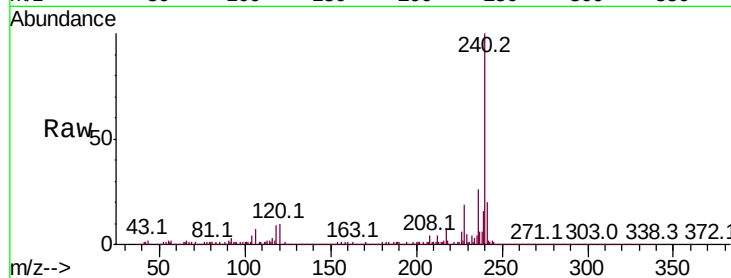
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	12.2	18.2#
236	26.3	20.2	30.2

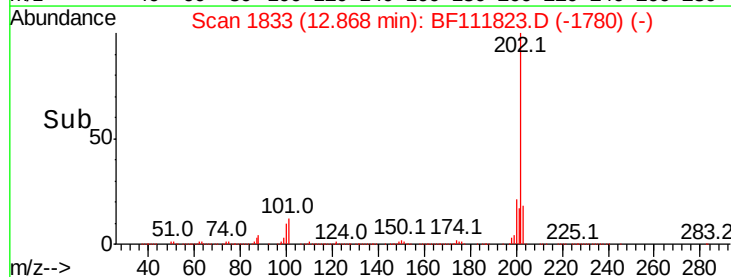
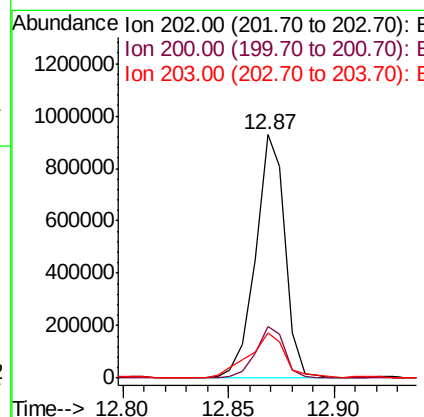
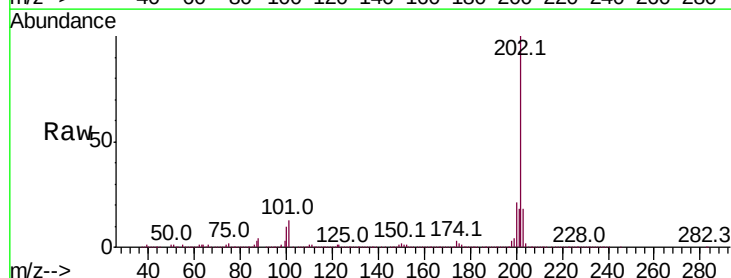
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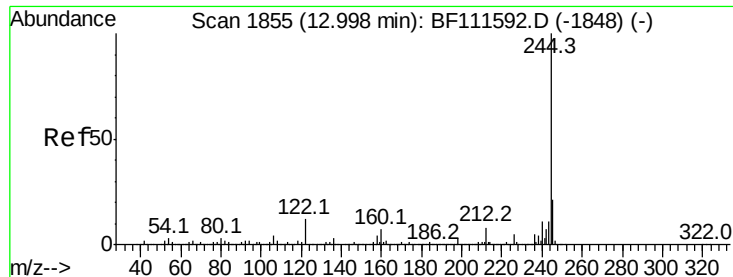
Sohil
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#78
Pyrene
Concen: 22.835 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	19.0	28.4
203	18.4	15.2	22.8





#79

Terphenyl-d14

Concen: 33.316 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

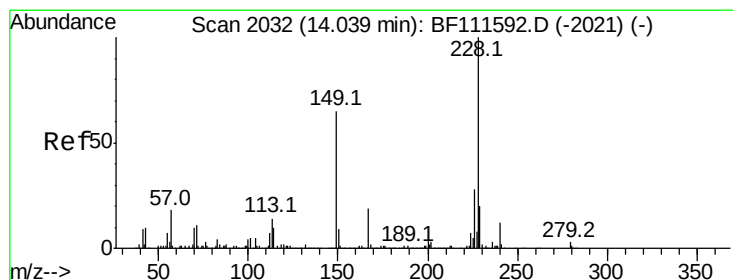
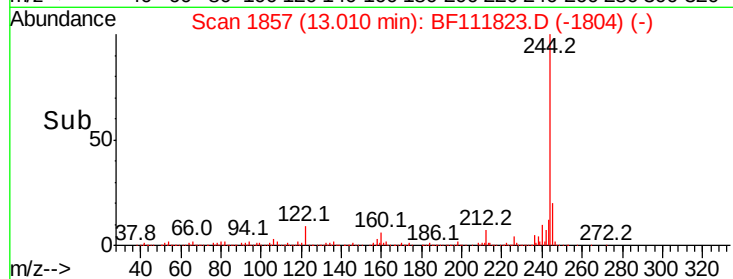
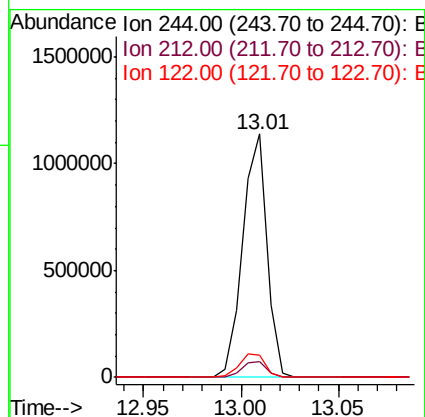
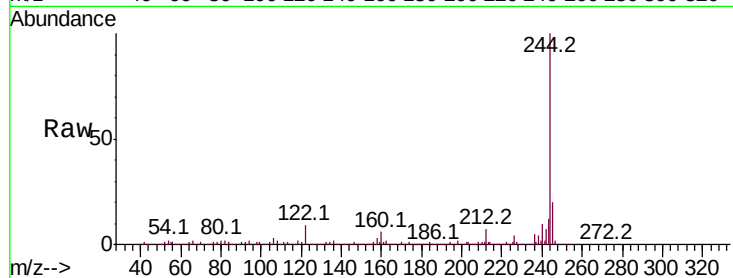
ClientSampled :

TP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	9.0	13.1	19.7

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#81

Benzo(a)anthracene

Concen: 22.062 ng

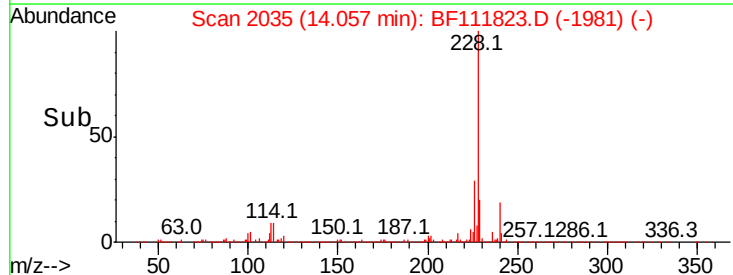
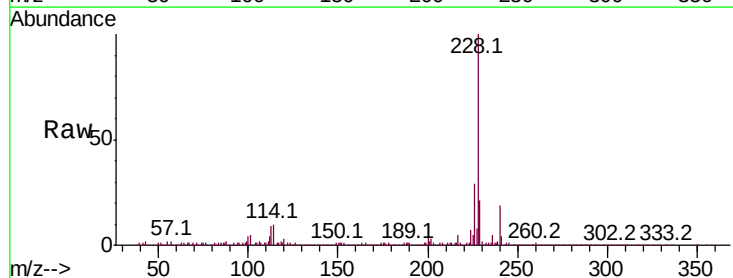
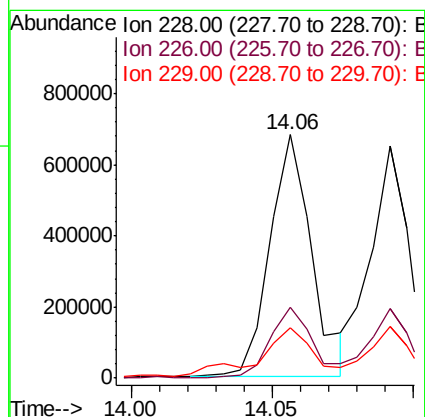
RT: 14.06 min Scan# 2035

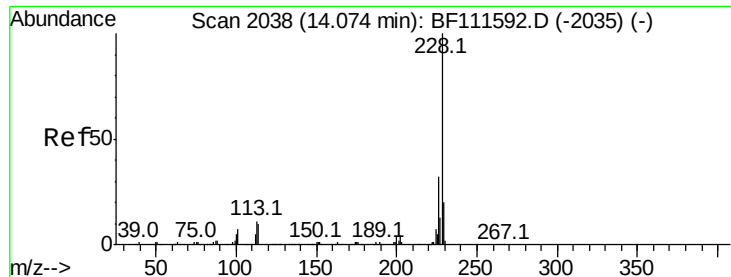
Delta R.T. 0.02 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	34.0
229	20.7	16.3	24.5





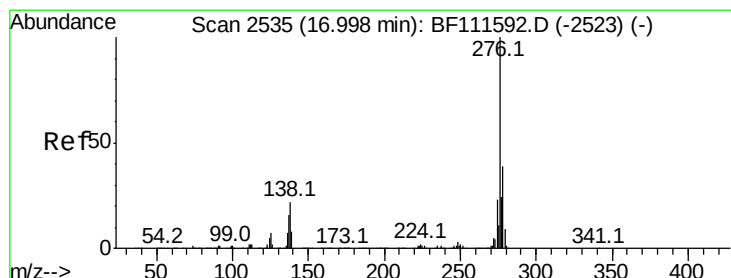
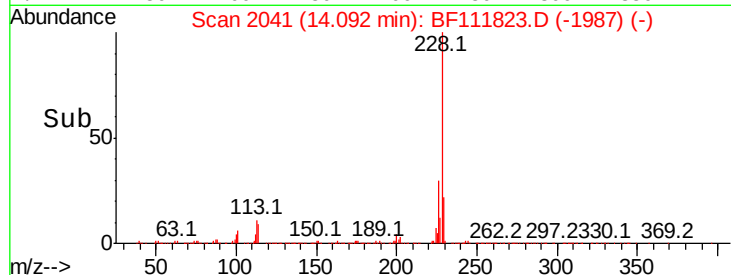
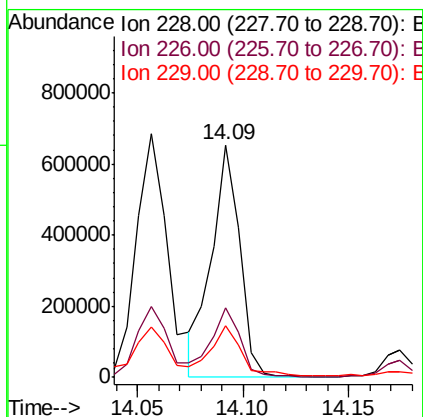
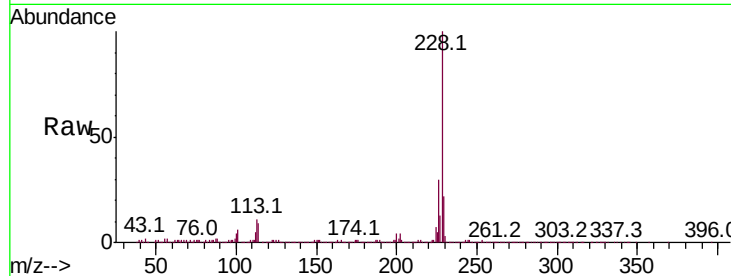
#83
Chrysene
Concen: 19.319 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.3	37.9
229	22.4	17.2	25.8

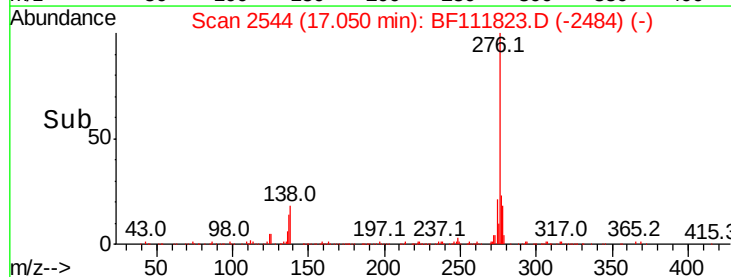
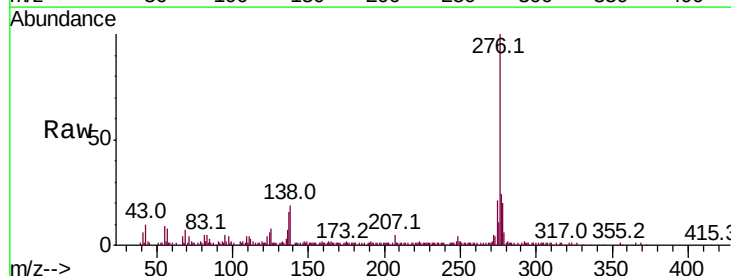
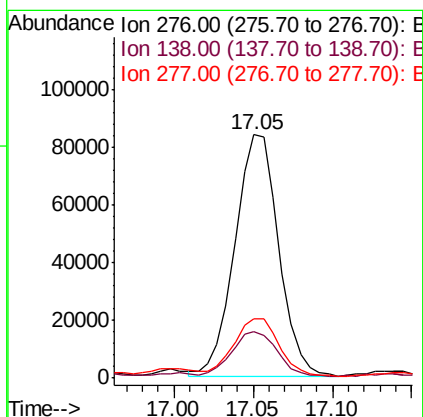
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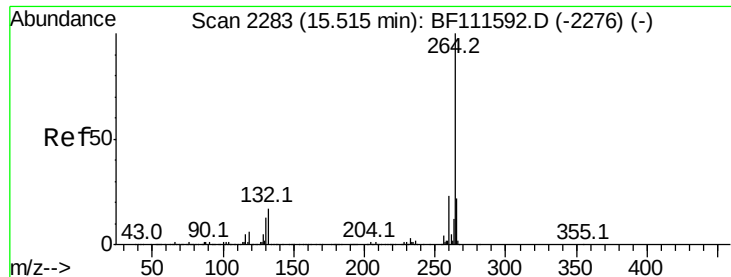
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.023 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.05 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	27.8	41.6#
277	24.5	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.04 min

Lab File: BF111823.D

Acq: 3 Jan 2019 16:16

Instrument :

BNA_F

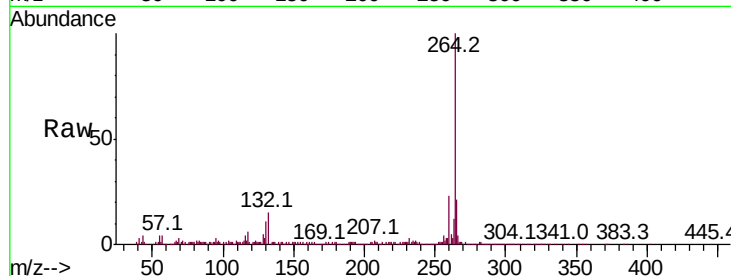
ClientSampleId :

TP-1

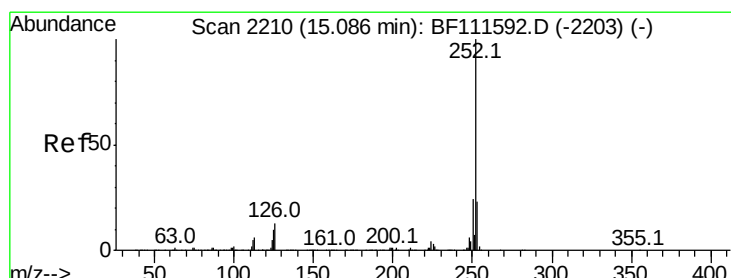
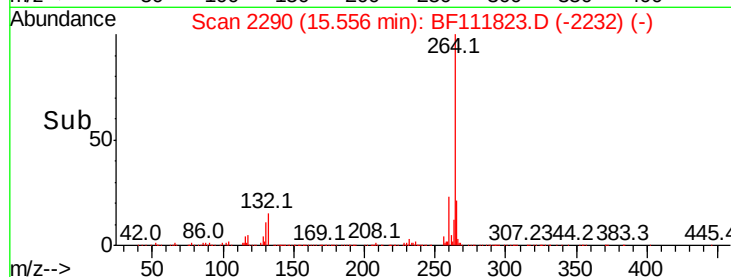
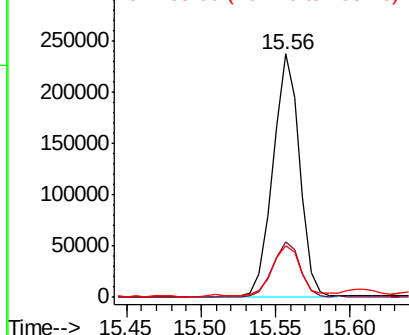
Tot Ion:	264	Resp:	294440
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.3	27.5
265	21.4	17.7	26.5

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 28.751 ng m

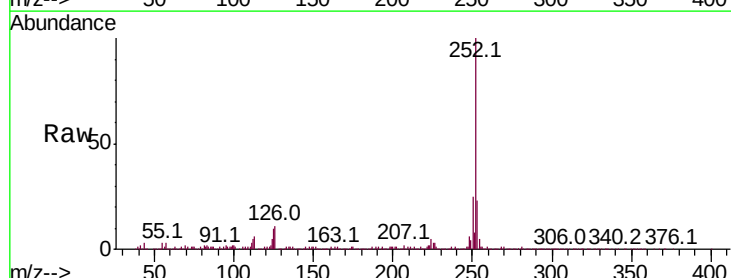
RT: 15.12 min Scan# 2216

Delta R.T. 0.04 min

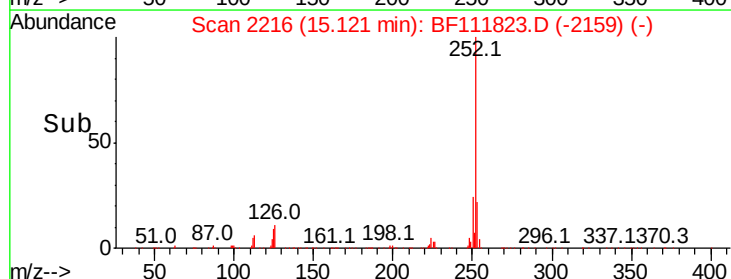
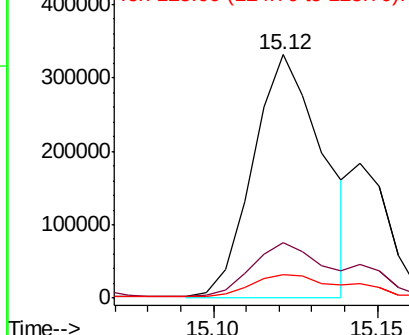
Lab File: BF111823.D

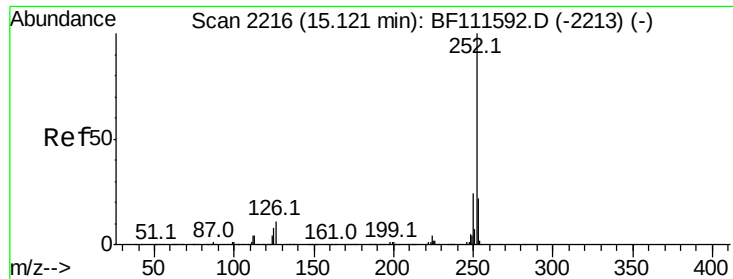
Acq: 3 Jan 2019 16:16

Tgt Ion:	252	Resp:	494749
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.2	27.2
125	9.7	10.4	15.6#



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





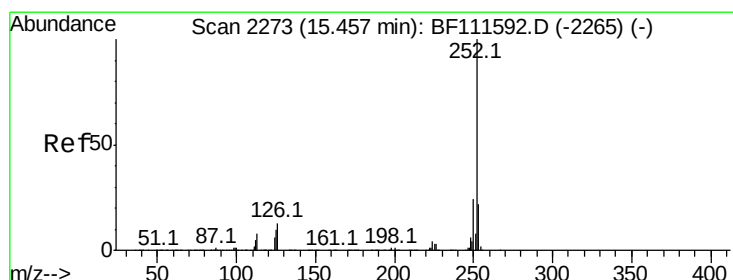
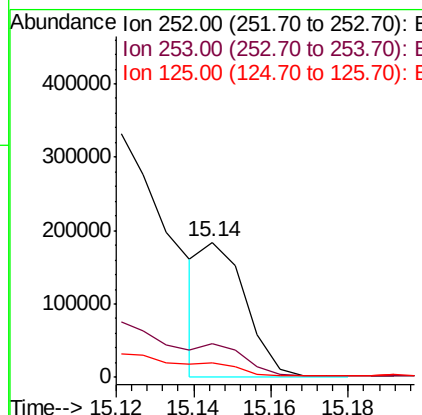
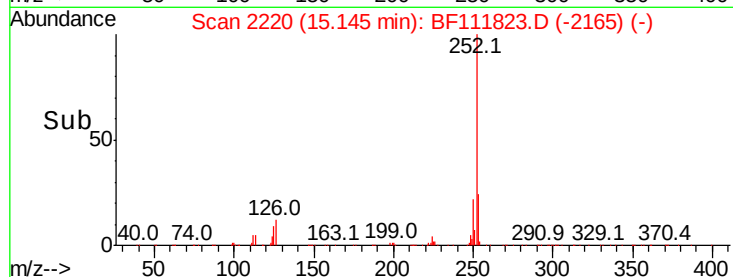
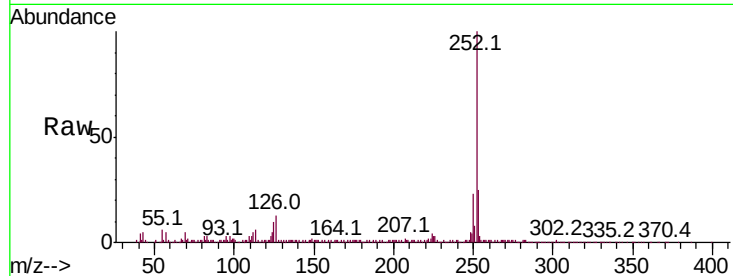
#89
Benzo(k)fluoranthene
Concen: 8.949 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.02 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	10.4	9.8	14.8

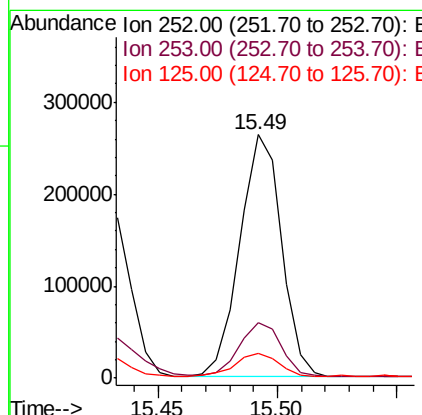
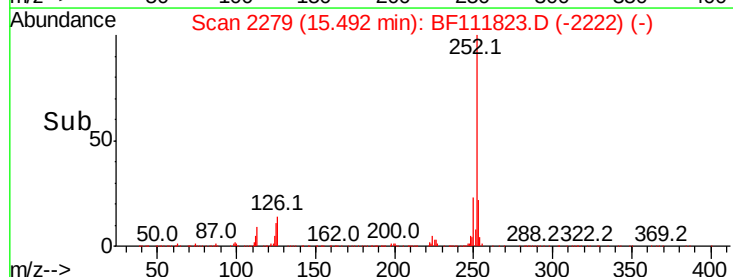
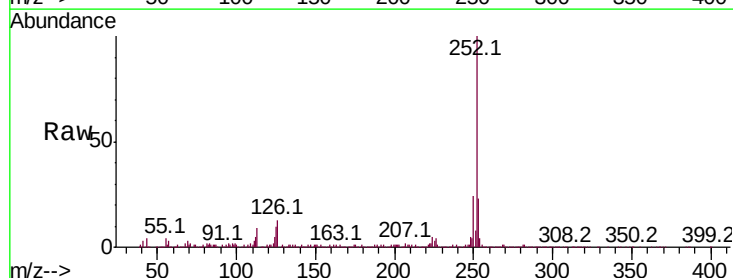
Manual Integrations
APPROVED

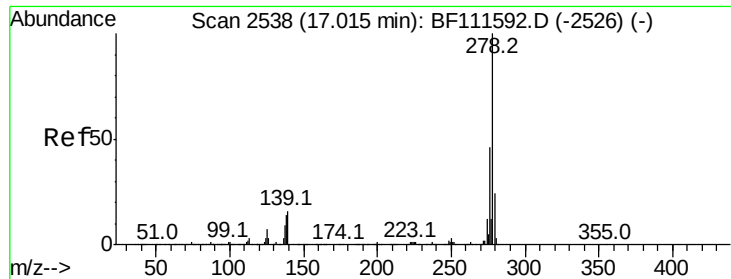
Sohil
1/4/2019 9:56:39 AM



#90
Benzo(a)pyrene
Concen: 20.471 ng m
RT: 15.49 min Scan# 2279
Delta R.T. 0.04 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	10.0	12.3	18.5





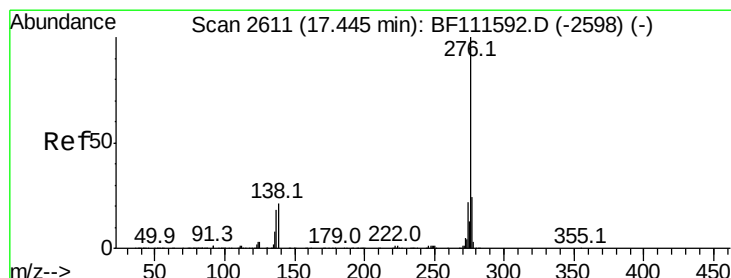
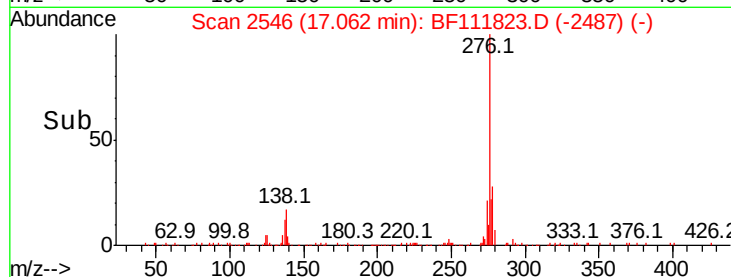
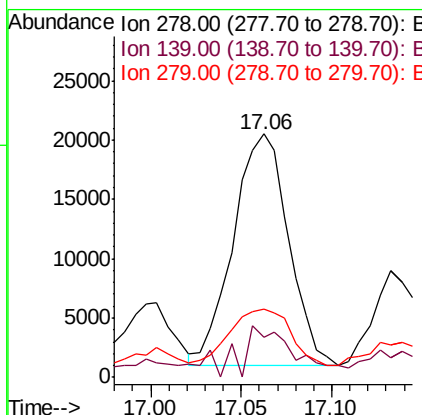
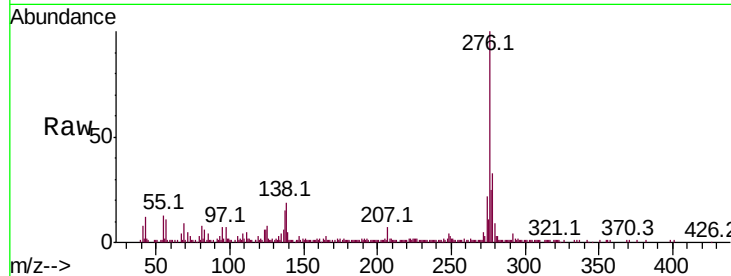
#91
Dibenzo(a,h)anthracene
Concen: 3.010 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.05 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.3	18.2	27.4#
279	28.1	19.0	28.6

Manual Integrations
APPROVED

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#92
Benzo(g,h,i)perylene
Concen: 11.095 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.06 min
Lab File: BF111823.D
Acq: 3 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.2	28.8
138	21.2	24.9	37.3#

