

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF118995.D
 Acq On : 21 Feb 2020 16:22
 Operator : CG/JU
 Sample : L1552-03RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-BRE

Manual Integrations
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Quant Time: Feb 21 17:13:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	144141	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	491814	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	218732	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	355460	20.00	ng	0.00
76) Chrysene-d12	13.91	240	335923	20.00	ng	0.00
87) Perylene-d12	15.34	264	294506	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	289527	33.57	ng	0.00
7) Phenol-d6	6.40	99	782177	74.57	ng	0.00
23) Nitrobenzene-d5	7.32	82	563661	60.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	18997	6.64	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1007183	67.83	ng	-0.01
79) Terphenyl-d14	12.86	244	1055418	54.09	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.50	163	69629	4.163	ng	99
52) Acenaphthene	9.82	154	78976	6.366	ng	99
55) Dibenzofuran	9.99	168	55802	3.013	ng	95
58) Fluorene	10.33	166	91169	6.336	ng	99
71) Phenanthrene	11.30	178	1125647	58.068	ng	99
72) Anthracene	11.35	178	334563	17.273	ng	98
73) Carbazole	11.50	167	162511	9.418	ng	97
75) Fluoranthene	12.49	202	1451706	70.551	ng	99
78) Pyrene	12.72	202	1221675	45.290	ng	99
81) Benzo(a)anthracene	13.90	228	658555	28.772	ng	99
83) Chrysene	13.94	228	589358	25.842	ng	97
84) Bis(2-ethylhexyl)phthalate	13.89	149	29119	2.030	ng	# 91
86) Indeno(1,2,3-cd)pyrene	16.75	276	224122	10.149	ng	# 93
88) Benzo(b)fluoranthene	14.93	252	639810m	32.959	ng	
89) Benzo(k)fluoranthene	14.96	252	225195m	12.518	ng	
90) Benzo(a)pyrene	15.29	252	426441	24.340	ng	# 96
91) Dibenzo(a,h)anthracene	16.75	278	60019	3.893	ng	# 80
92) Benzo(g,h,i)perylene	17.18	276	206951	13.587	ng	99

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

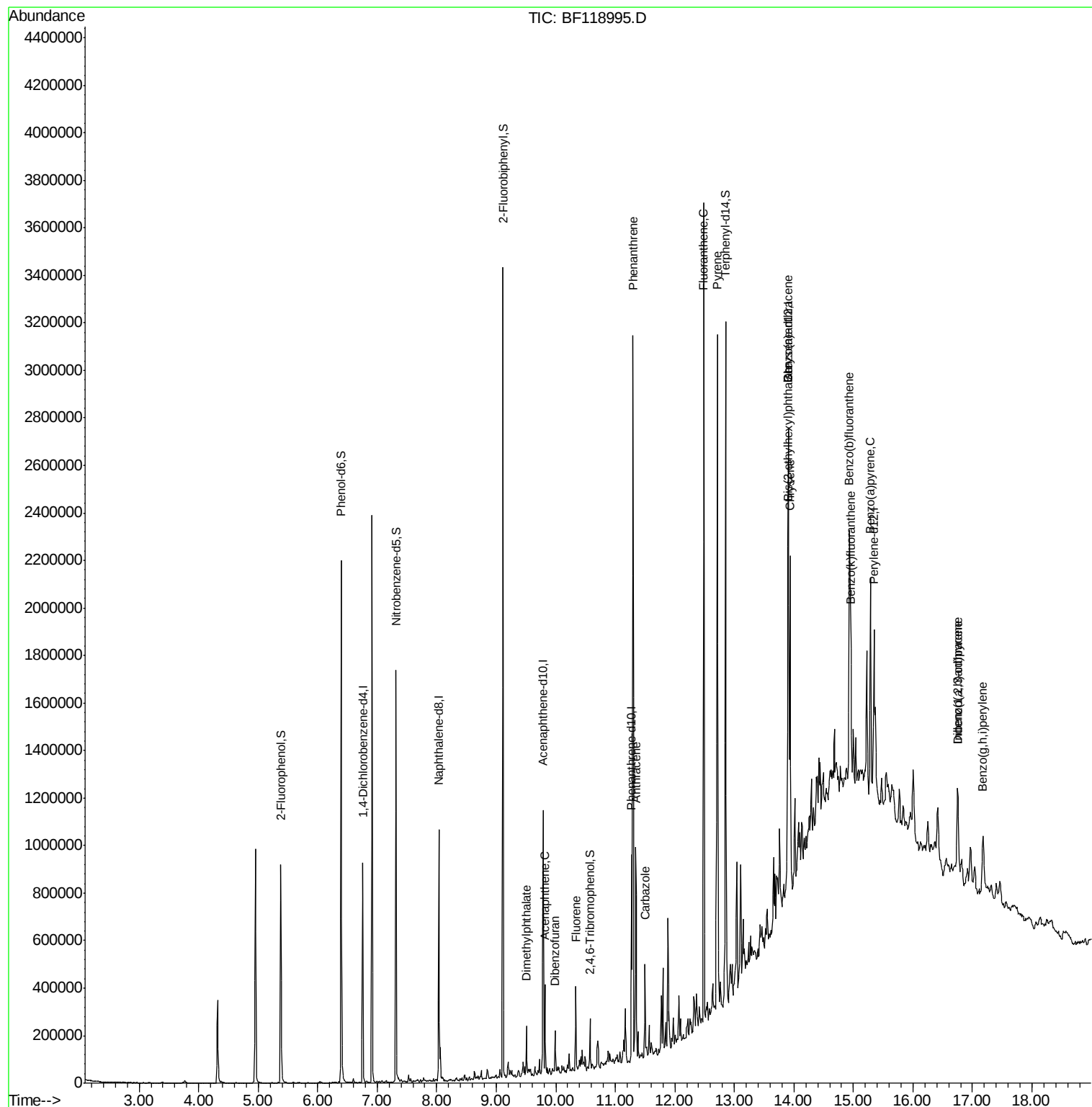
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF118995.D
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Operator : CG/JU
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#1

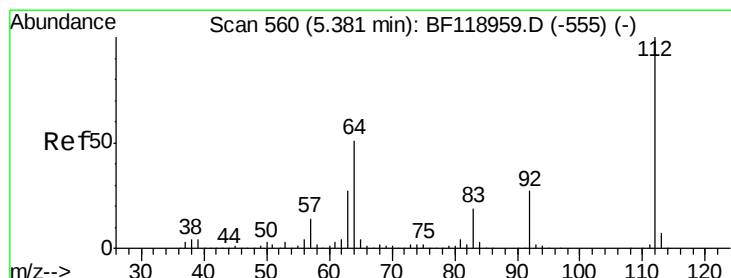
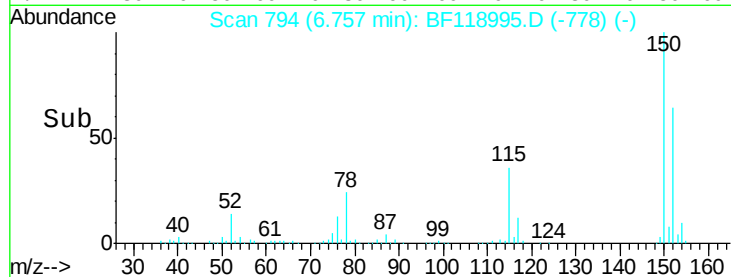
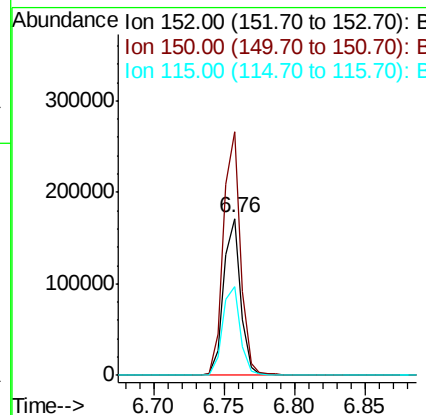
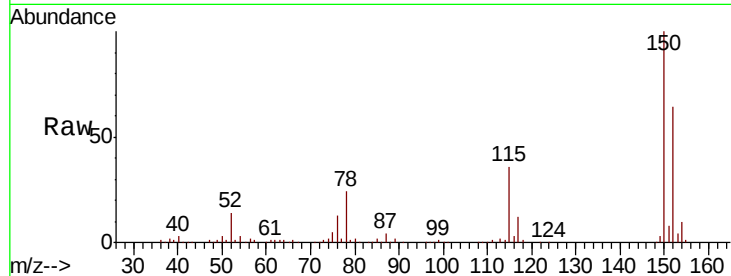
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-BRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.3	186.5
115	56.4	44.6	67.0

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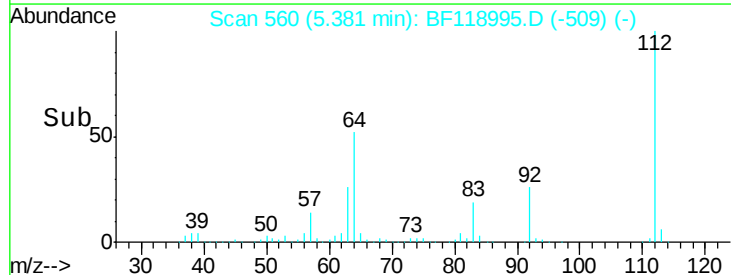
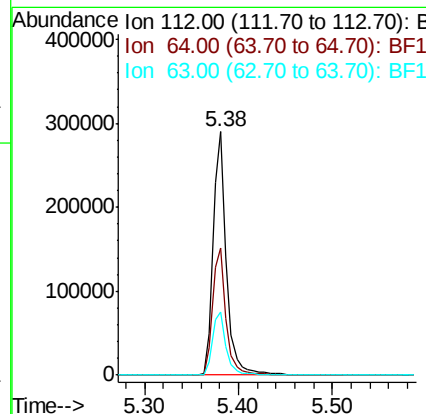
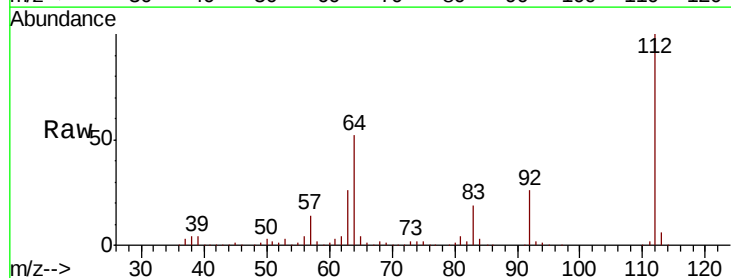
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#5

2-Fluorophenol
Concen: 33.568 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	40.4	60.6
63	26.1	21.3	31.9





#7

Phenol-d6

Concen: 74.566 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118995.D

Acq: 21 Feb 2020 16:22

Instrument :

BNA_F

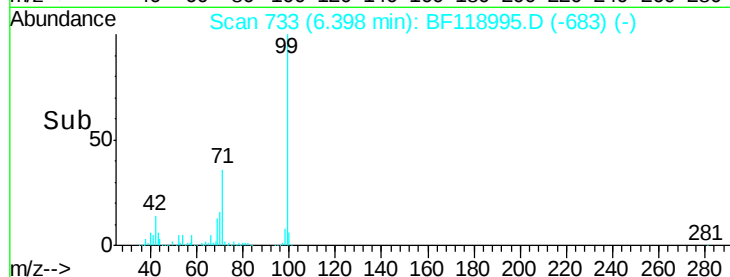
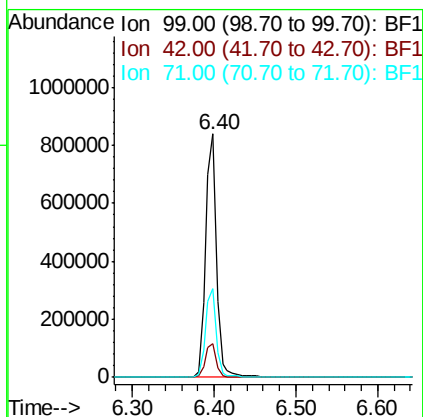
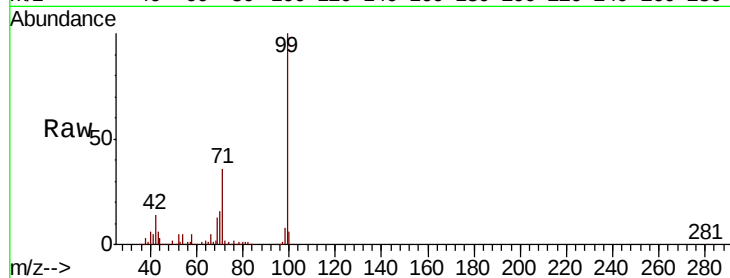
ClientSampleId :

FK-SF-01-008-BRE

Tot Ion:	99	Resp:	782177
Ion Ratio	Lower	Upper	
99	100		
42	13.9	11.4	17.0
71	36.5	29.8	44.6

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#21

Naphthalene-d8

Concen: 20.000 ng

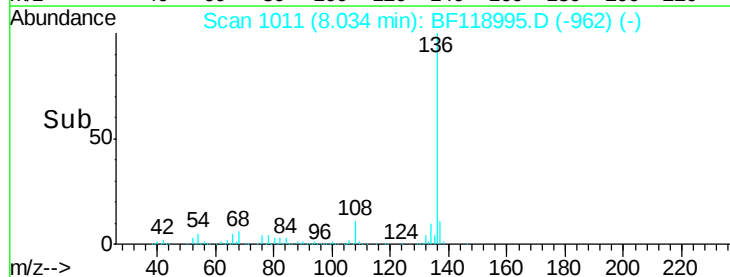
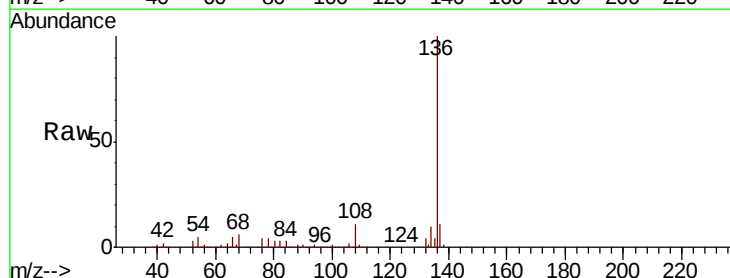
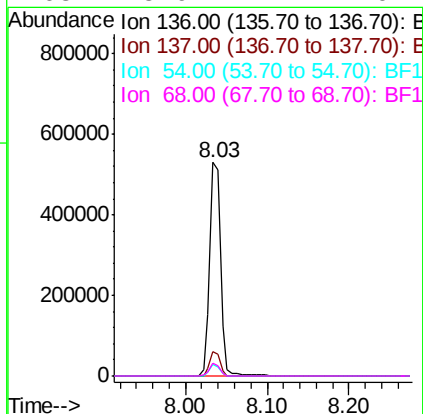
RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF118995.D

Acq: 21 Feb 2020 16:22

Tgt Ion:	136	Resp:	491814
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	5.5	3.8	5.6
68	5.9	4.2	6.2





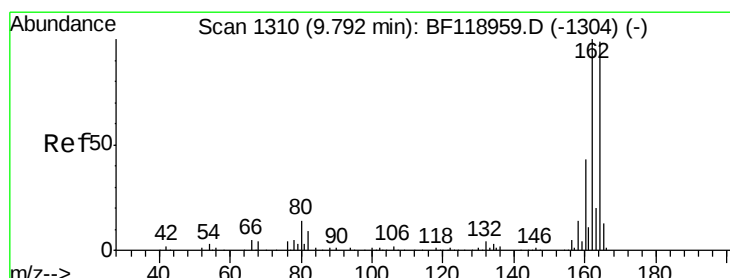
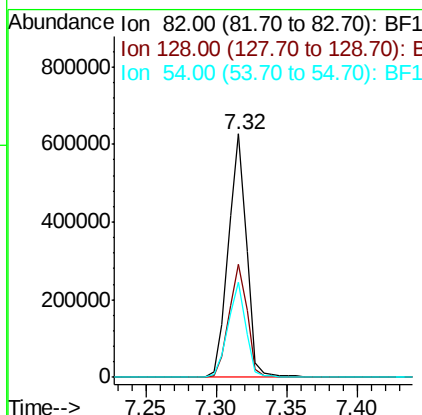
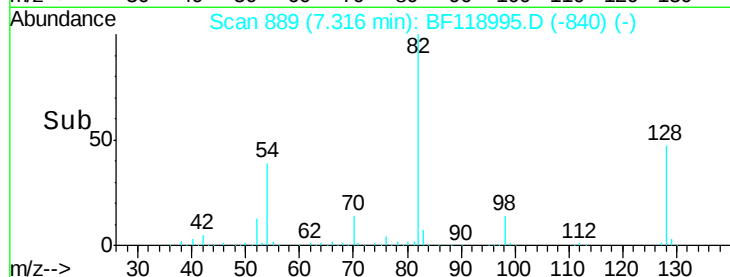
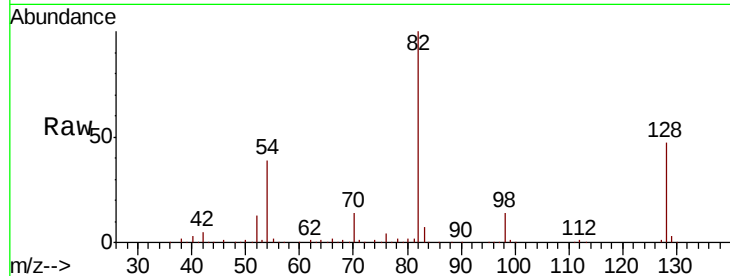
#23
 Nitrobenzene-d5
 Concen: 60.513 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF118995.D
 Acq: 21 Feb 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-BRE

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.2	57.2
54	39.1	31.3	46.9

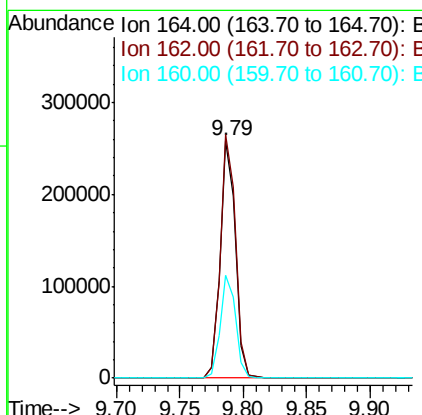
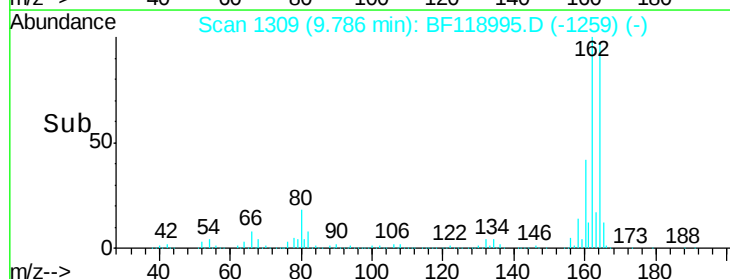
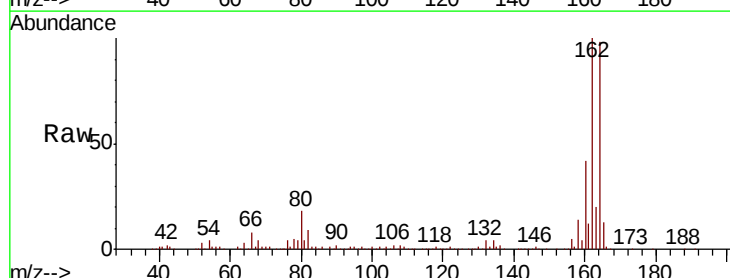
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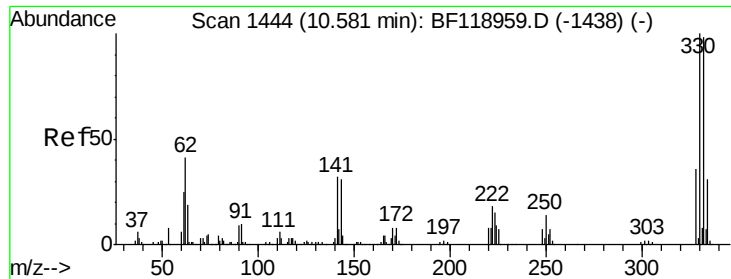
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF118995.D
 Acq: 21 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.2	121.8
160	43.5	35.2	52.8





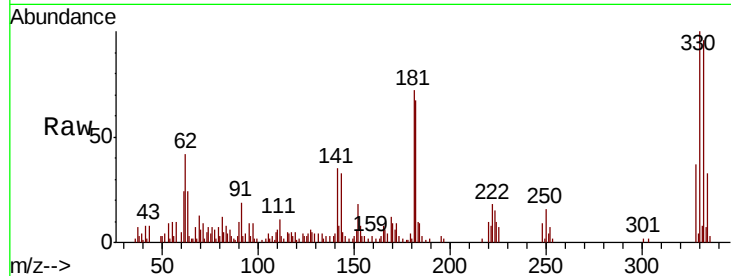
#42
 2,4,6-Tribromophenol
 Concen: 6.639 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF118995.D
 Acq: 21 Feb 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-BRE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	28.6	23.0	34.6

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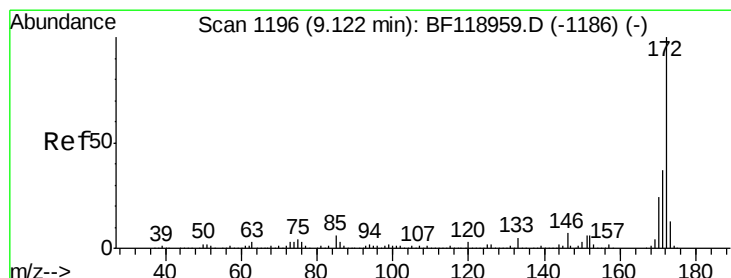
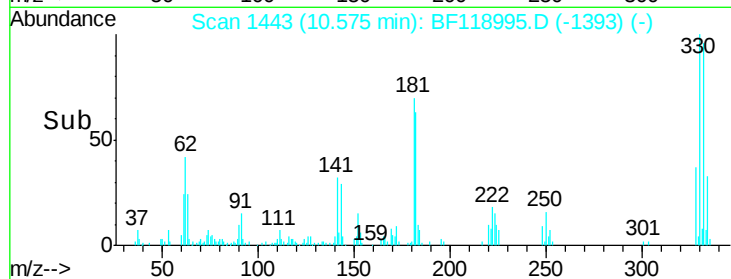
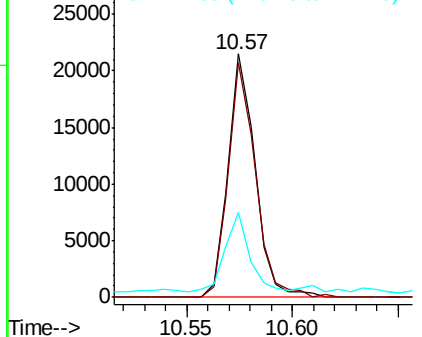


Abundance

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: 67.834 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF118995.D
 Acq: 21 Feb 2020 16:22

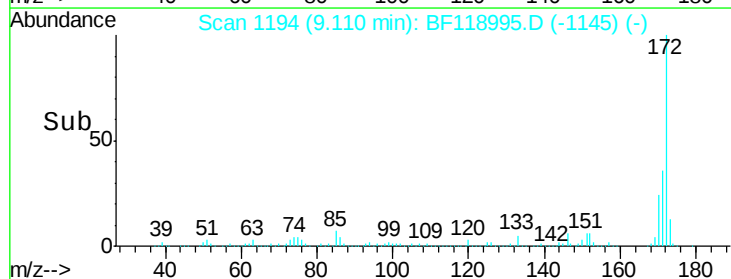
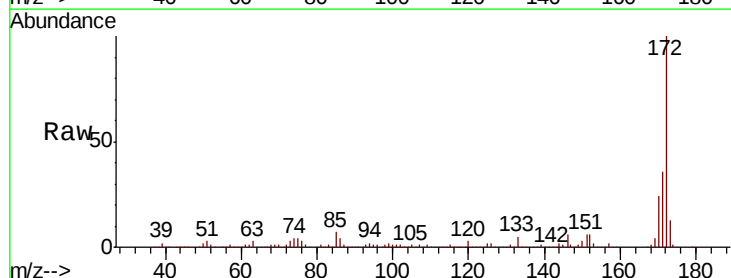
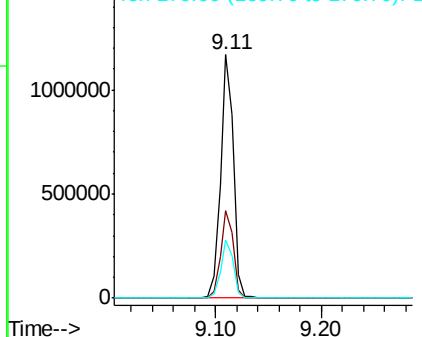
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	23.7	19.6	29.4

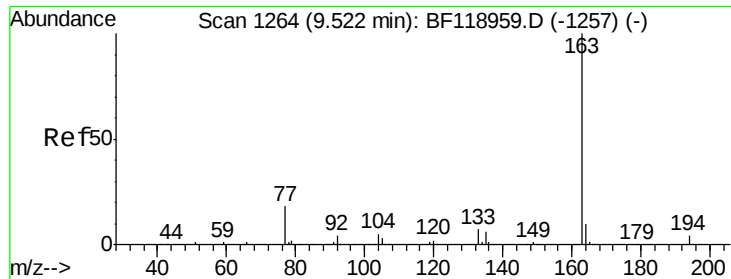
Abundance

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





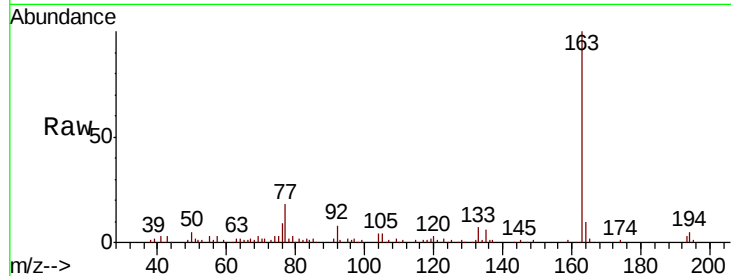
#50
Dimethylphthalate
Concen: 4.163 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-BRE

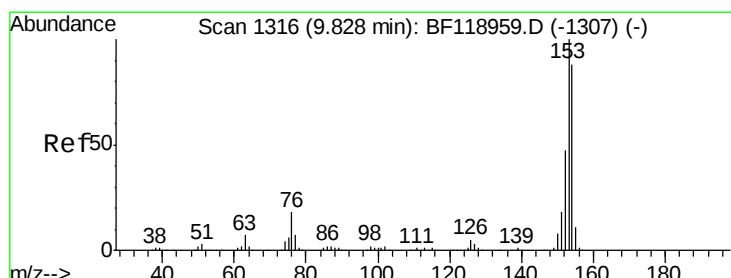
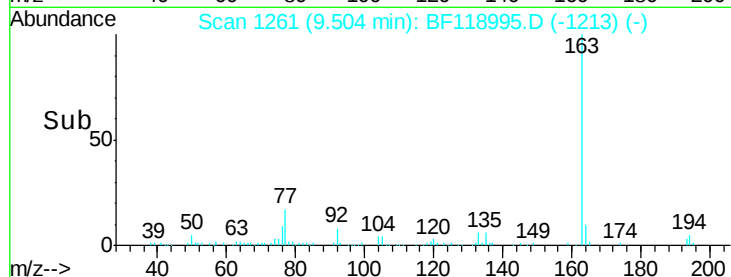
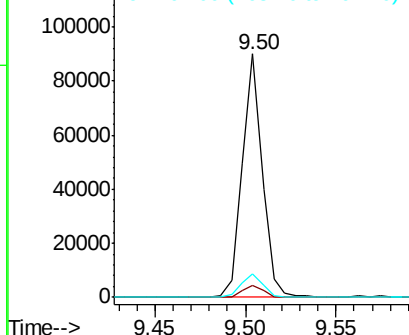
Tot Ion	Ratio	Resp	Lower	Upper
163	100	69629		
194	4.9		3.4	5.2
164	9.8		8.2	12.2

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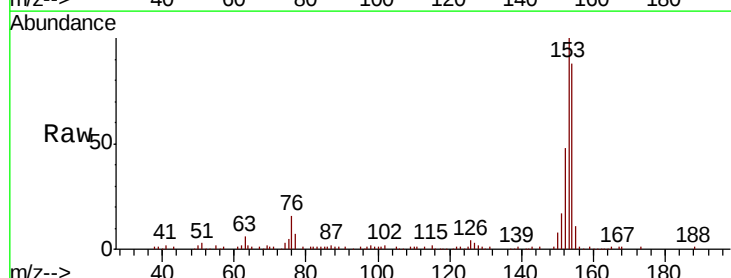


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

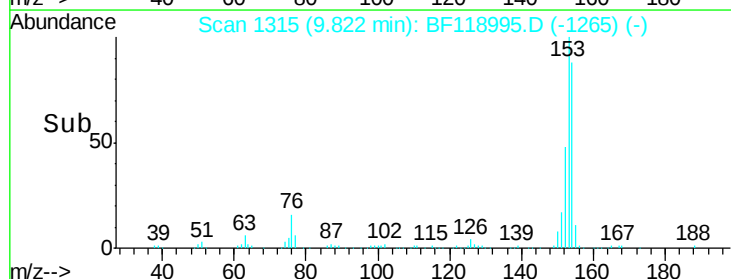
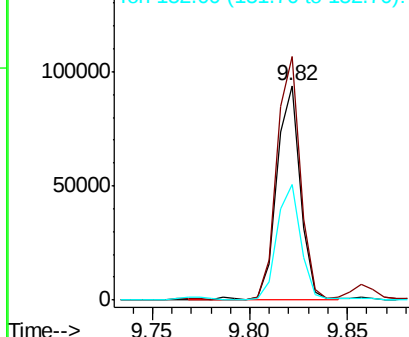


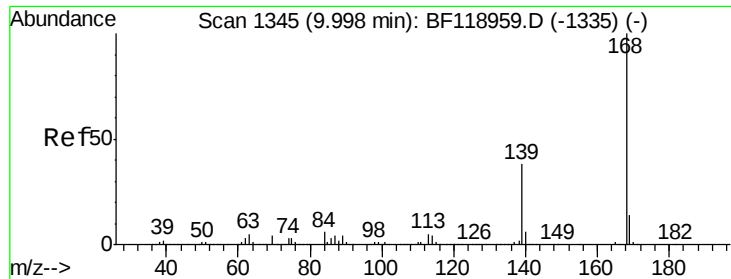
#52
Acenaphthene
Concen: 6.366 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	78976		
153	113.7		90.4	135.6
152	54.2		42.9	64.3



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





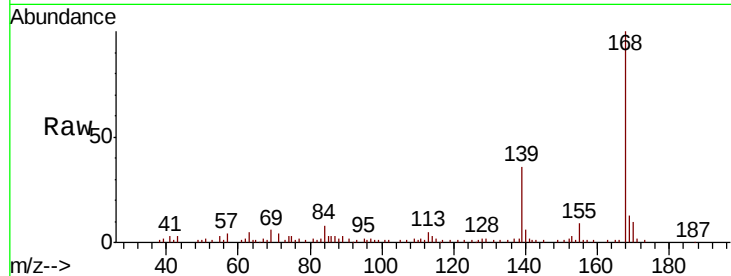
#55
Dibenzenofuran
Concen: 3.013 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Instrument :
BNA_F
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FK-SF-01-008-BRE

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.6	31.7	47.5
169	13.3	11.0	16.4

Manual Integrations
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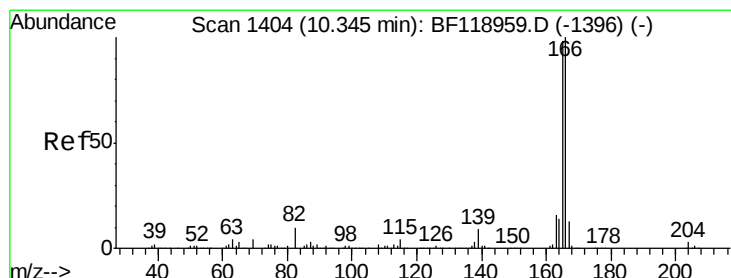
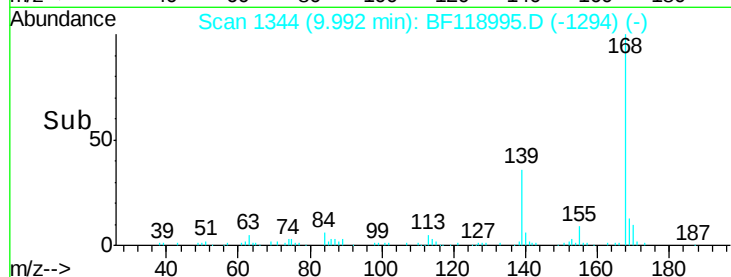
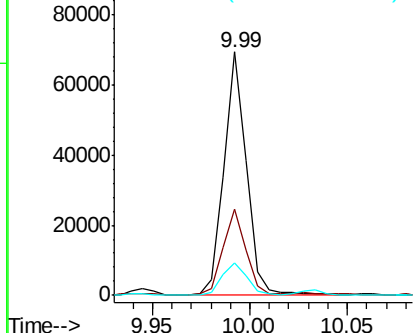


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 6.336 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

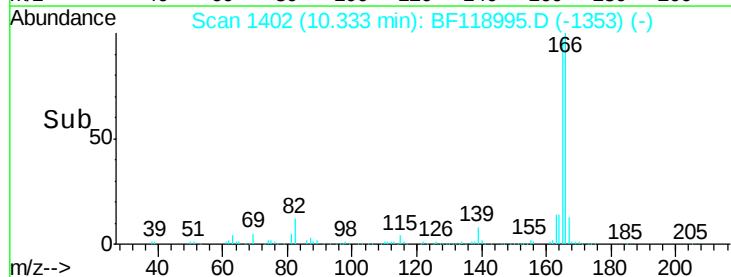
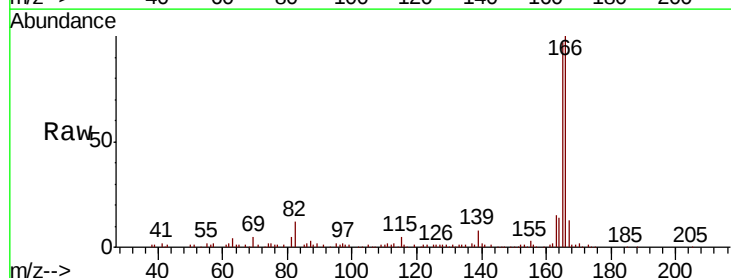
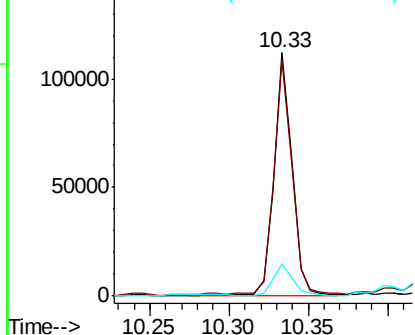
Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.2	117.4
167	13.5	10.6	16.0

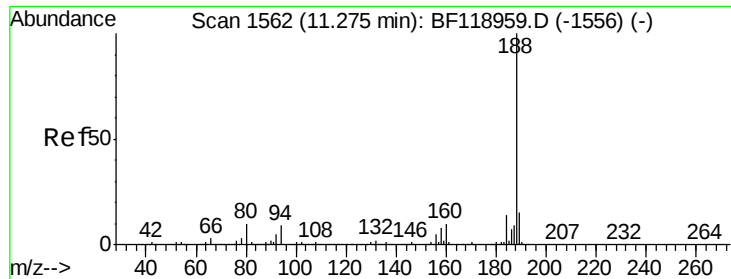
Abundance

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





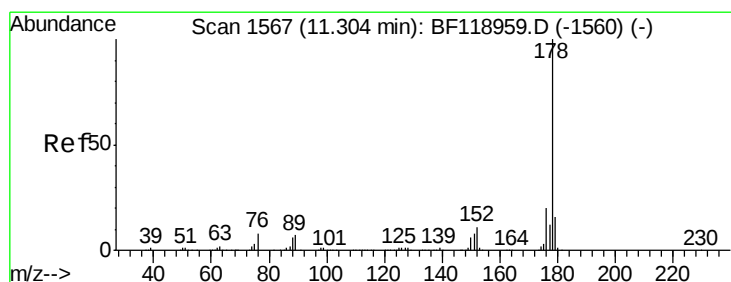
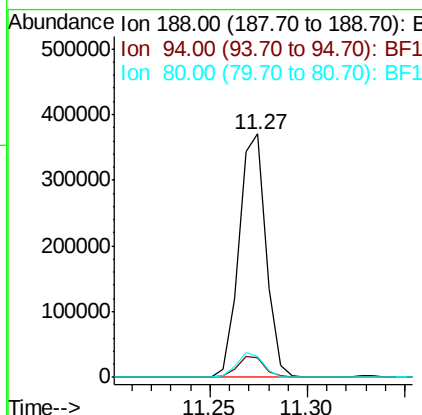
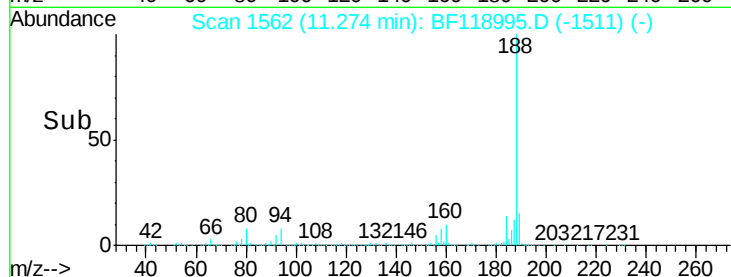
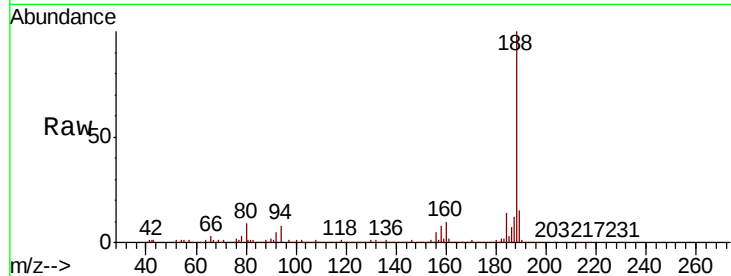
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-BRE

Tot Ion:	188	Resp:	355460
Ion Ratio	Lower	Upper	
188	100		
94	7.8	7.0	10.6
80	8.6	7.9	11.9

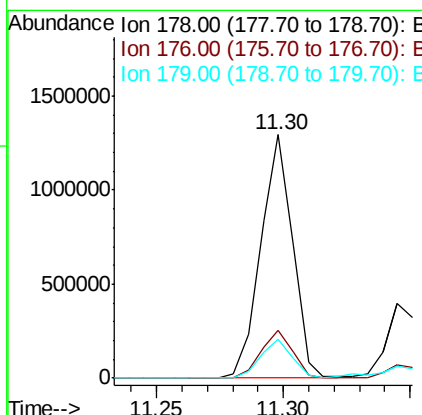
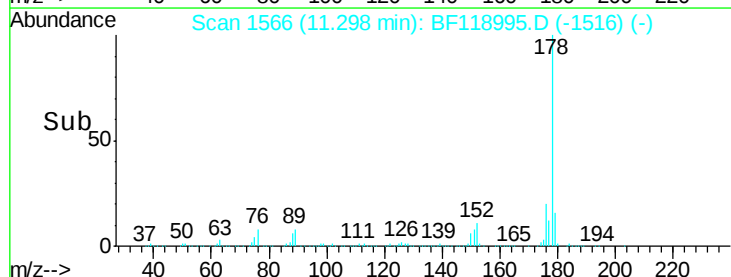
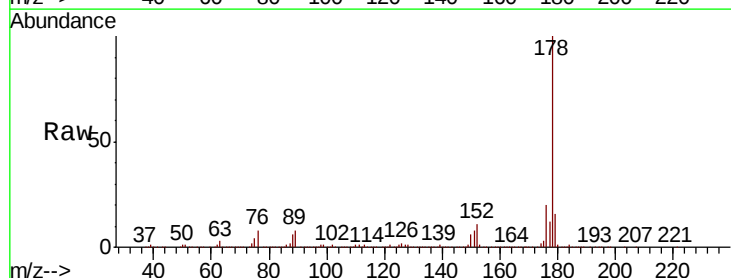
Manual Integrations
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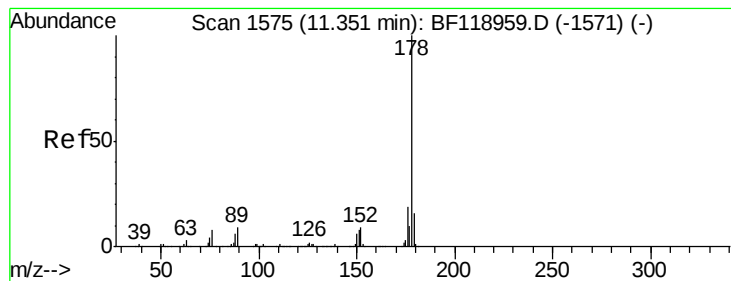
mohammad
2/24/2020 2:11:27 PM



#71
Phenanthrene
Concen: 58.068 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Tgt Ion:	178	Resp:	1125647
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.6	23.4
179	16.0	12.6	18.8





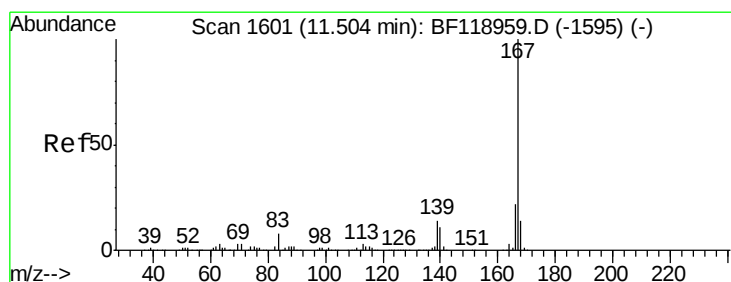
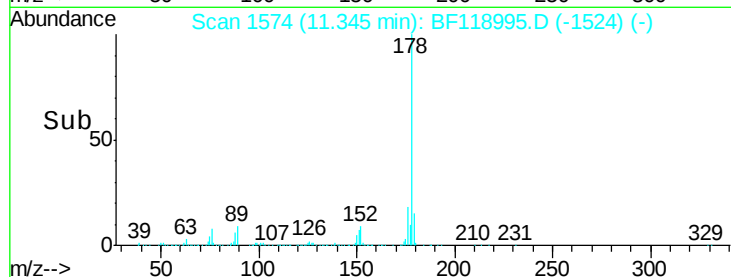
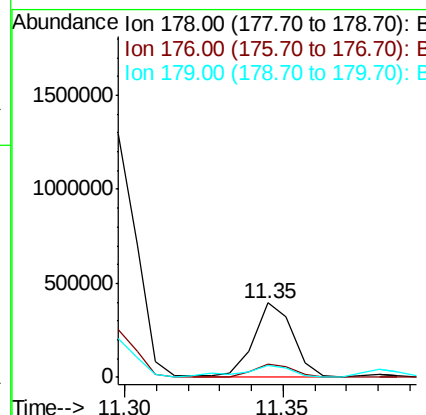
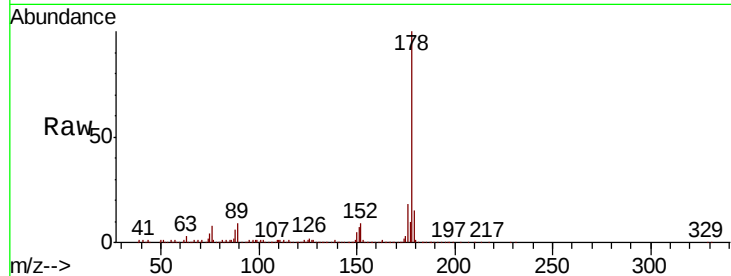
#72
 Anthracene
 Concen: 17.273 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF118995.D
 Acq: 21 Feb 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-BRE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.5	12.8	19.2

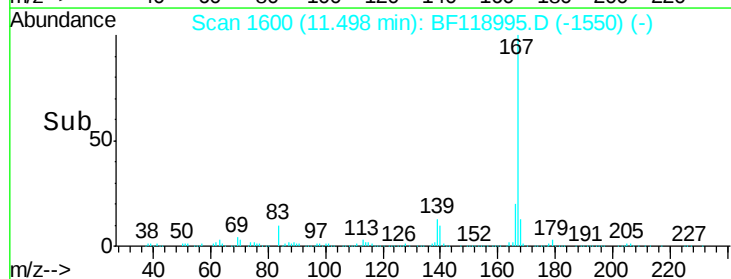
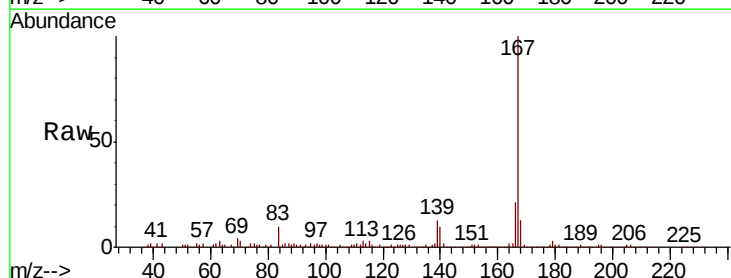
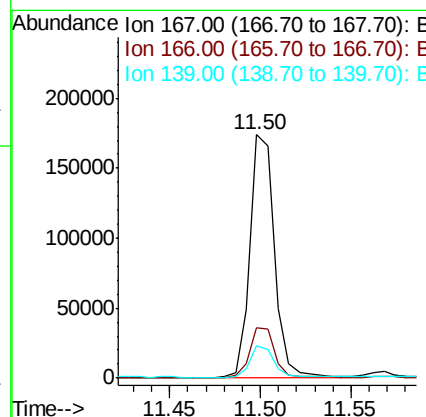
Manual Integrations
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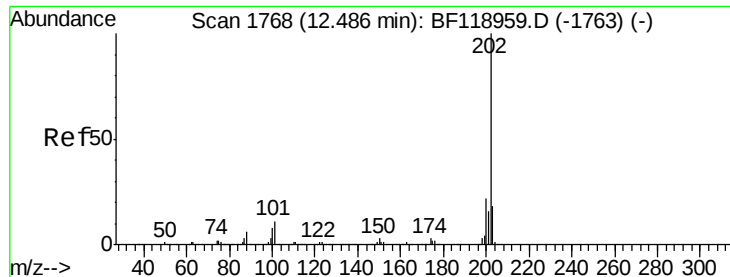
mohammad
 2/24/2020 2:11:27 PM



#73
 Carbazole
 Concen: 9.418 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF118995.D
 Acq: 21 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.8	26.6
139	13.2	11.2	16.8





#75

Fluoranthene

Concen: 70.551 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BF118995.D

Acq: 21 Feb 2020 16:22

Instrument :

BNA_F

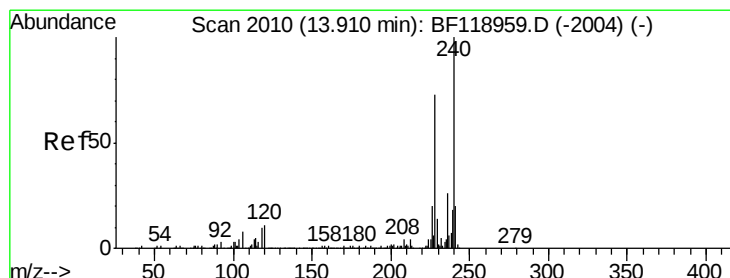
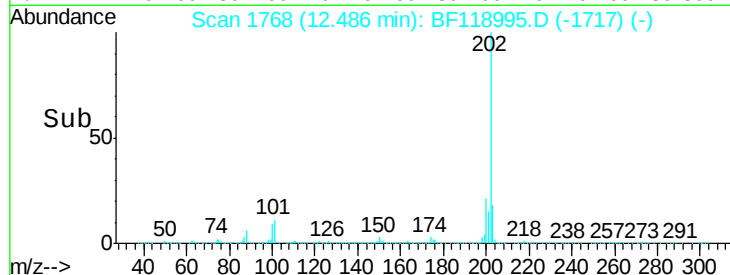
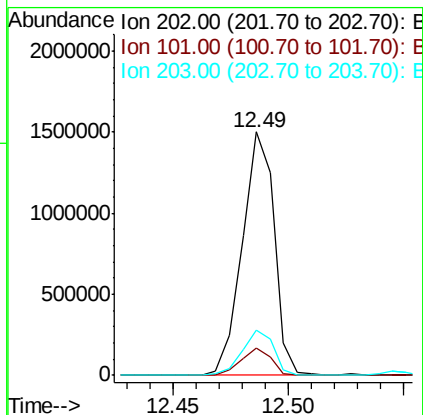
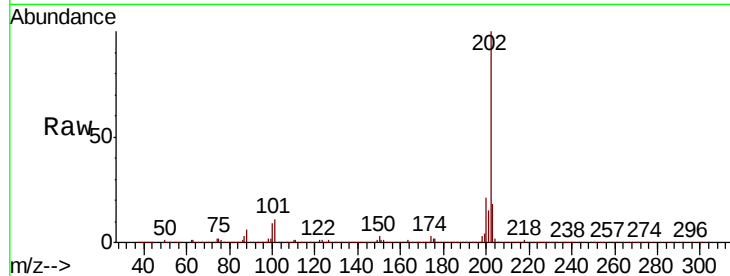
ClientSampleId :

FK-SF-01-008-BRE

Tot Ion:	202	Resp:	1451706
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.1
203	18.5	0.0	38.1

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#76

Chrysene-d12

Concen: 20.000 ng

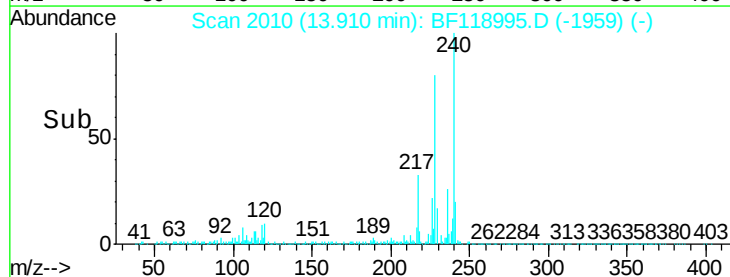
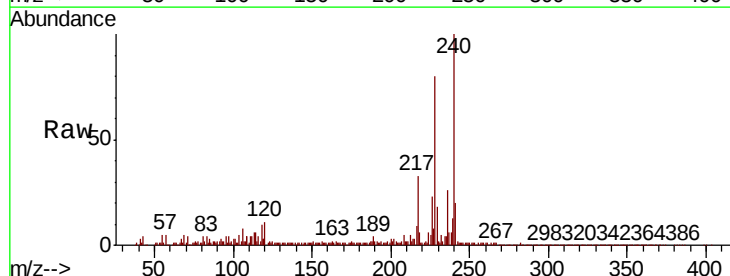
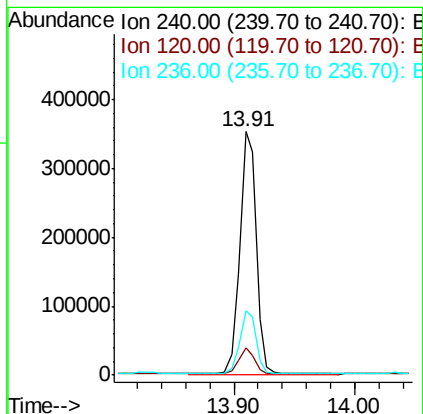
RT: 13.91 min Scan# 2010

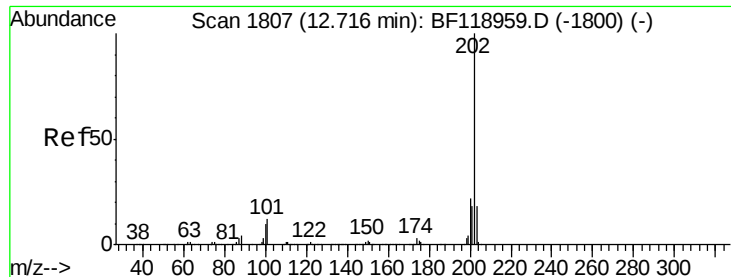
Delta R.T. -0.00 min

Lab File: BF118995.D

Acq: 21 Feb 2020 16:22

Tgt Ion:	240	Resp:	335923
Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	26.2	20.6	30.8





#78

Pvrene

Concen: 45.290 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF118995.D

Acq: 21 Feb 2020 16:22

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-008-BRE

Tot Ion:202 Resp: 1221675

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.0

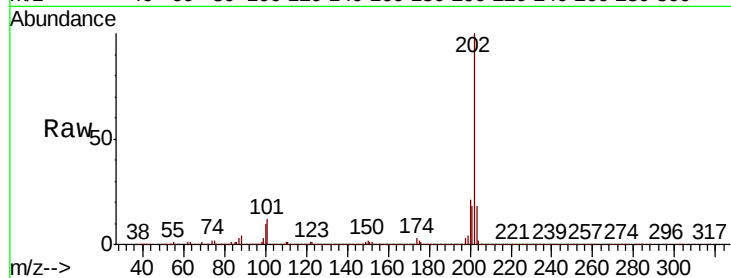
203 17.8 14.5 21.7

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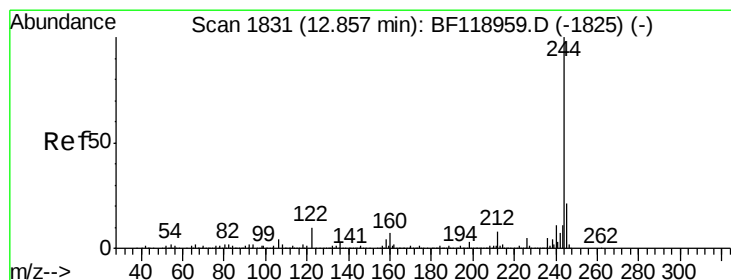
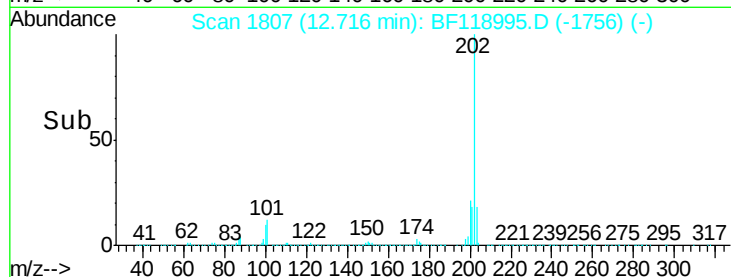
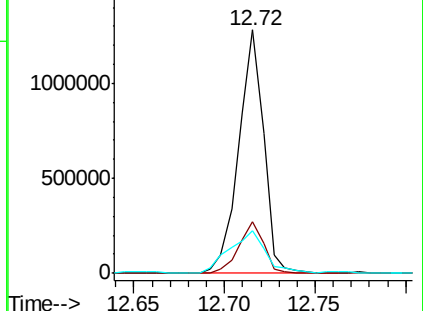
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 54.092 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF118995.D

Acq: 21 Feb 2020 16:22

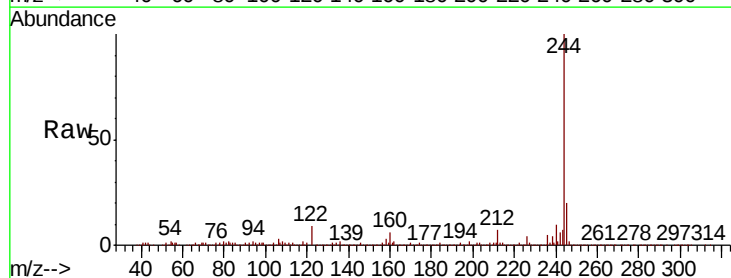
Tgt Ion:244 Resp: 1055418

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

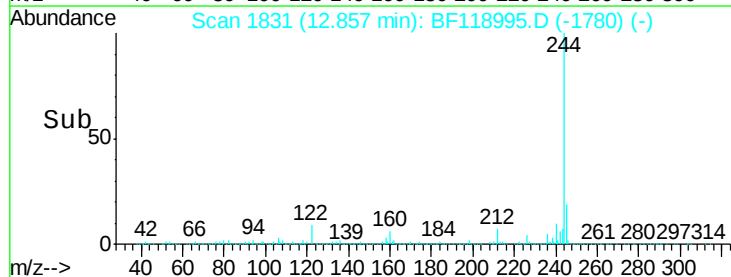
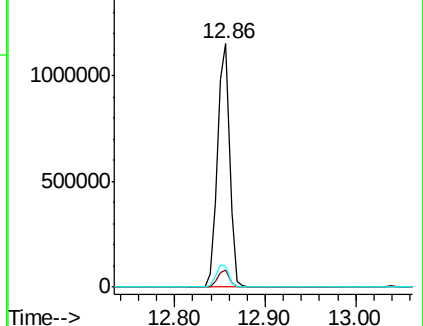
122 8.8 8.4 12.6

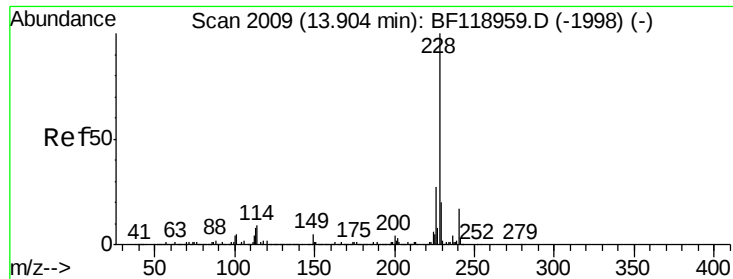


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





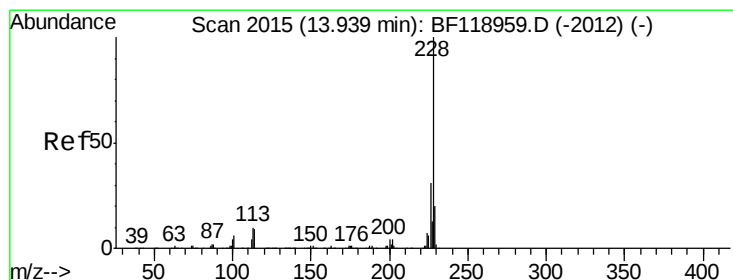
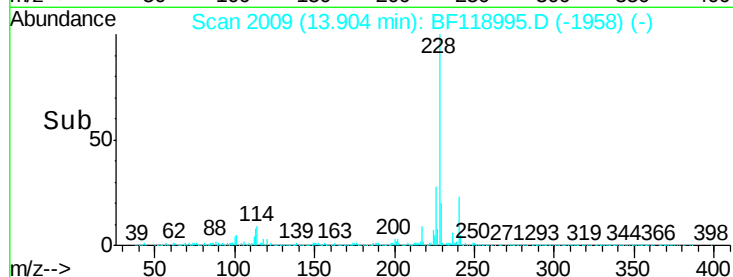
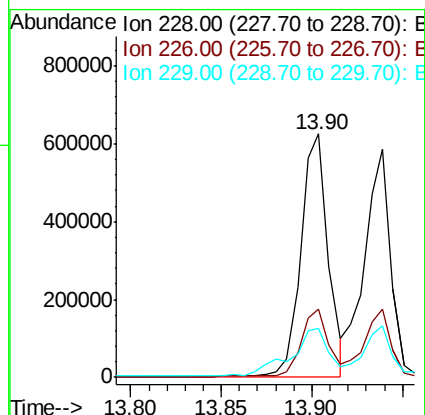
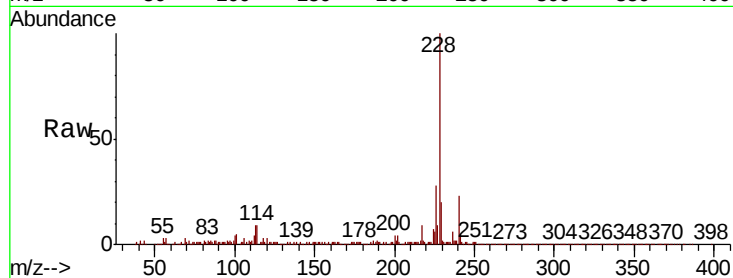
#81
Benzo(a)anthracene
Concen: 28.772 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-BRE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.8
229	20.3	16.0	24.0

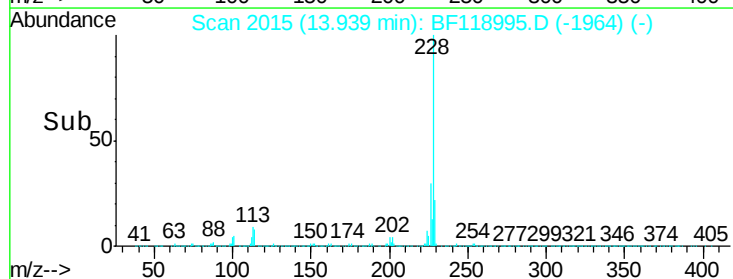
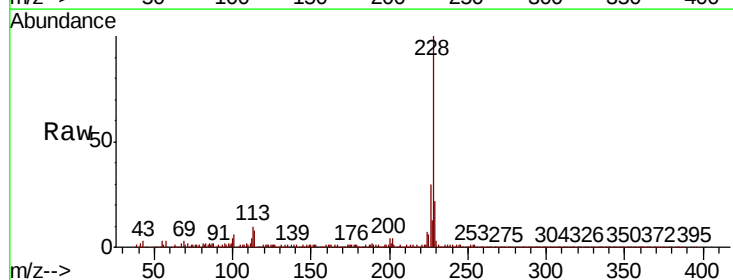
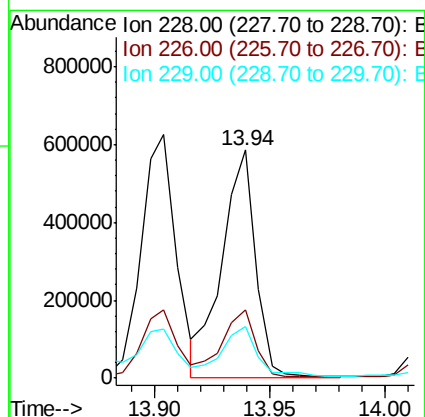
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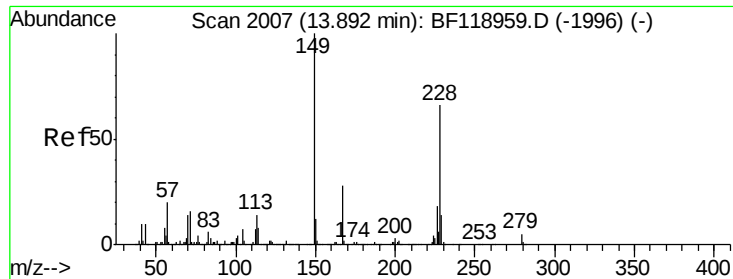
mohammad
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#83
Chrysene
Concen: 25.842 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	22.4	16.2	24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.030 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF118995.D

Acq: 21 Feb 2020 16:22

Instrument :

BNA_F

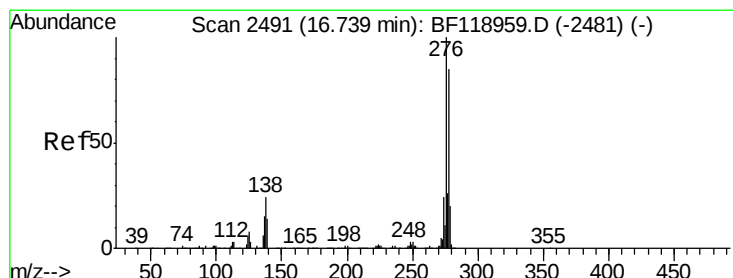
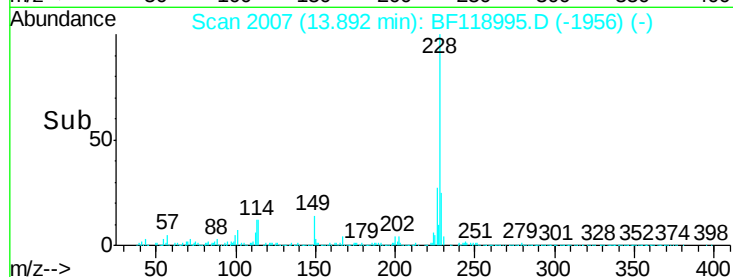
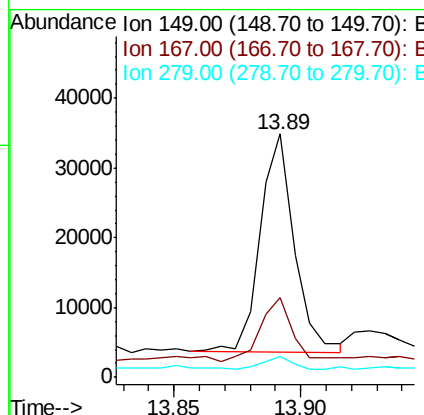
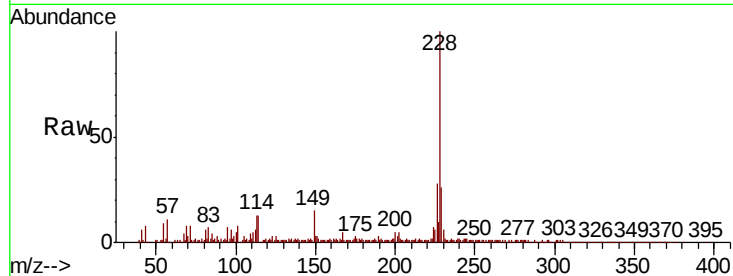
ClientSampleId :

FK-SF-01-008-BRE

Tot Ion:	149	Resp:	29119
Ion Ratio	Lower	Upper	
149	100		
167	32.6	22.3	33.5
279	8.5	4.2	6.4

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#86

Indeno(1,2,3-cd)pyrene

Concen: 10.149 ng

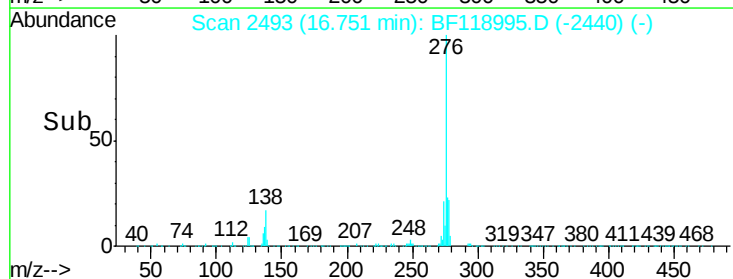
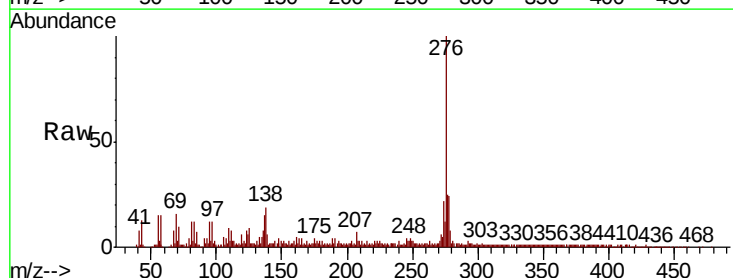
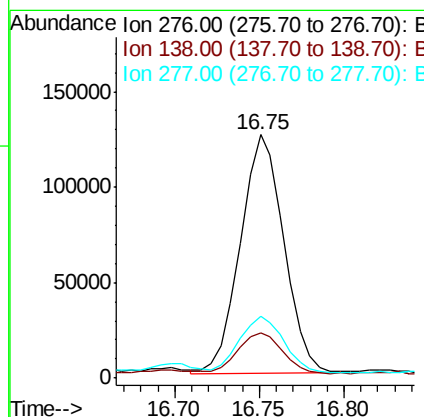
RT: 16.75 min Scan# 2493

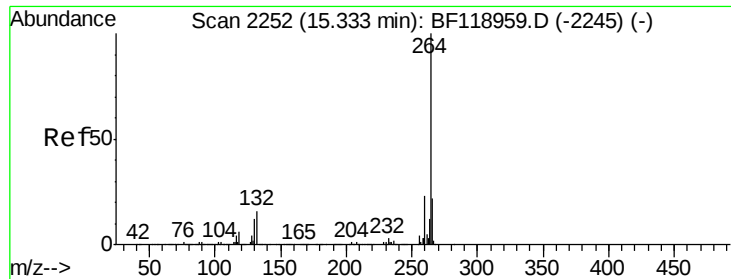
Delta R.T. 0.01 min

Lab File: BF118995.D

Acq: 21 Feb 2020 16:22

Tgt Ion:	276	Resp:	224122
Ion Ratio	Lower	Upper	
276	100		
138	17.8	18.7	28.1
277	24.0	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF118995.D

Acq: 21 Feb 2020 16:22

Instrument :

BNA_F

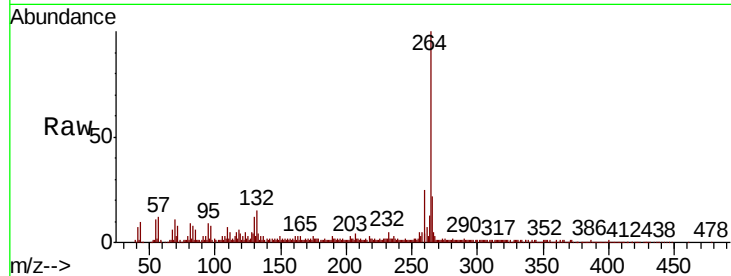
ClientSampleId :

FK-SF-01-008-BRE

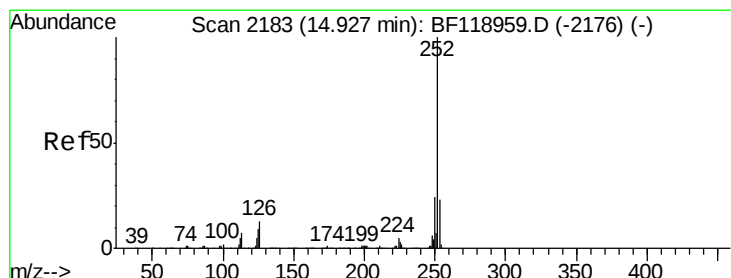
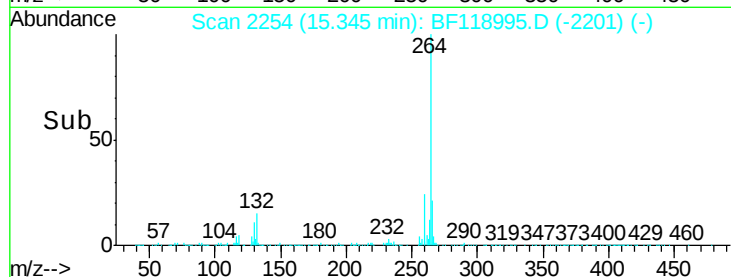
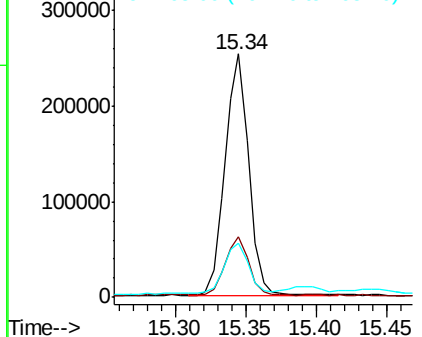
Tot Ion:	264	Resp:	294506
Ion Ratio		Lower	Upper
264	100		
260	24.9	18.6	28.0
265	22.5	17.3	25.9

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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: 32.959 ng m

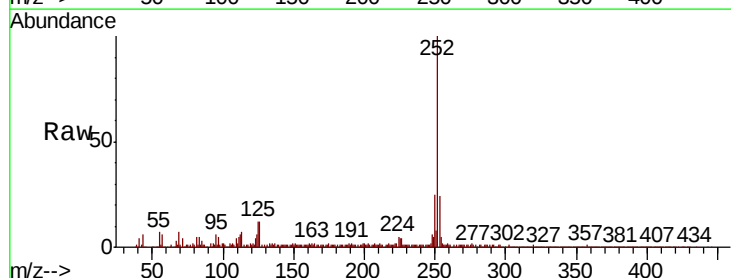
RT: 14.93 min Scan# 2184

Delta R.T. 0.01 min

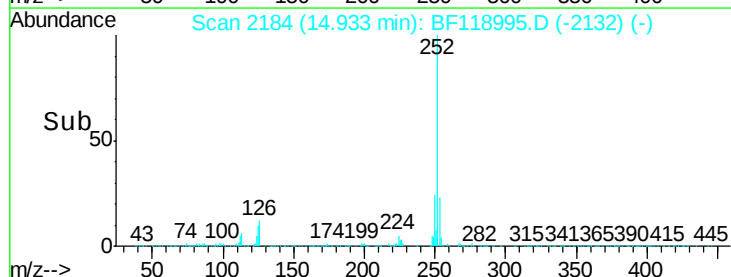
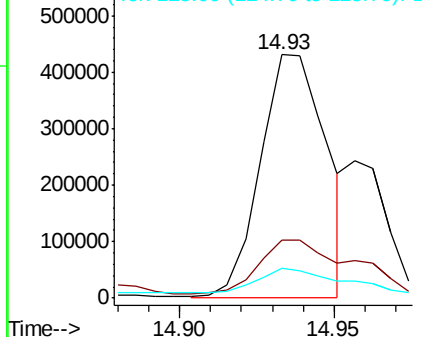
Lab File: BF118995.D

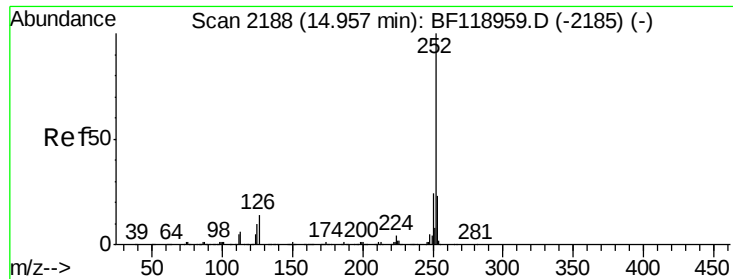
Acq: 21 Feb 2020 16:22

Tgt Ion:	252	Resp:	639810
Ion Ratio		Lower	Upper
252	100		
253	23.9	18.2	27.2
125	12.2	7.4	11.0#



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





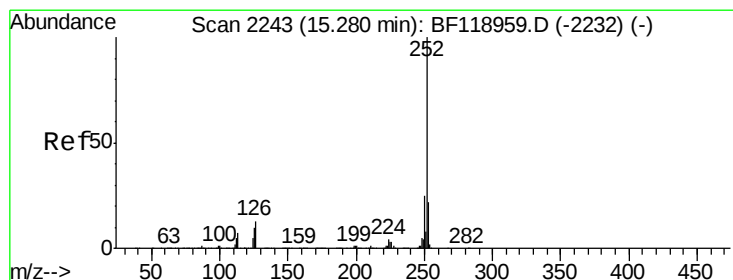
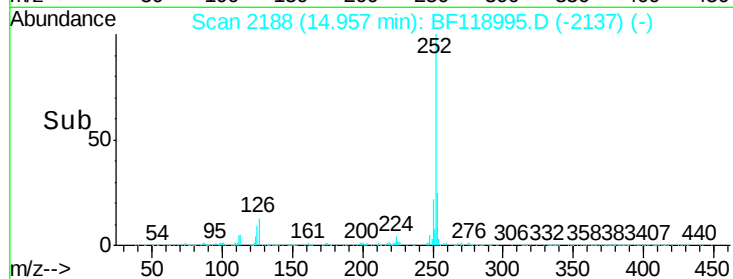
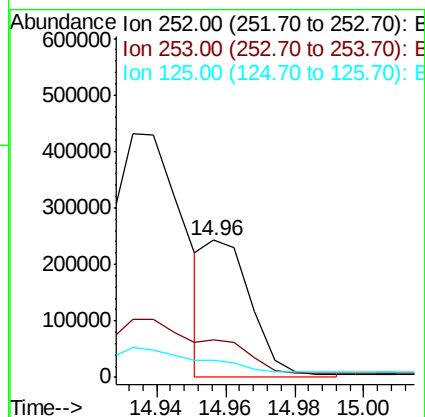
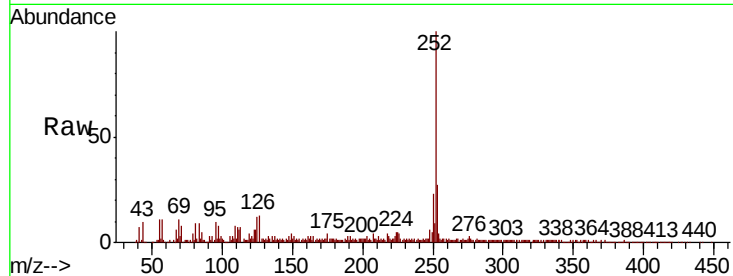
#89
Benzo(k)fluoranthene
Concen: 12.518 ng m
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-BRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.9	26.9#
125	12.4	7.3	10.9#

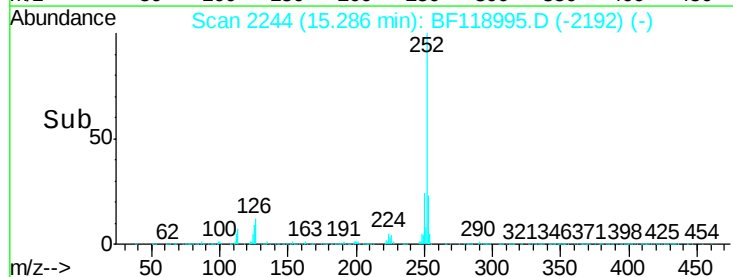
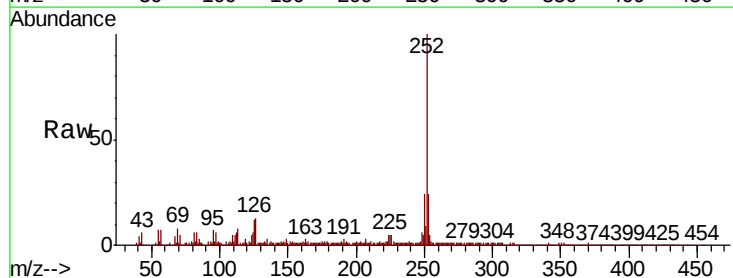
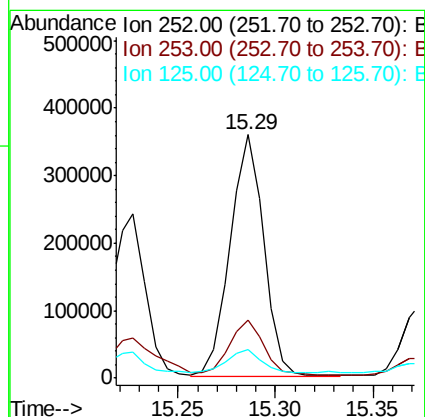
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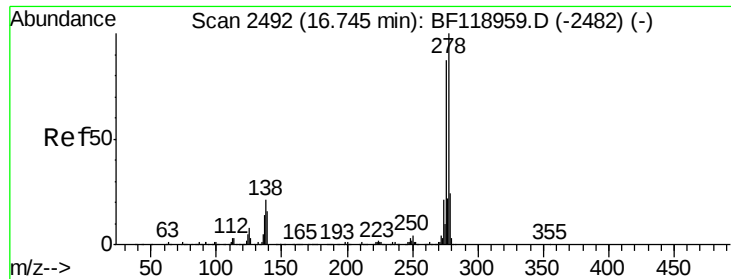
mohammad
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#90
Benzo(a)pyrene
Concen: 24.340 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF118995.D
Acq: 21 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.8	7.8	11.6#





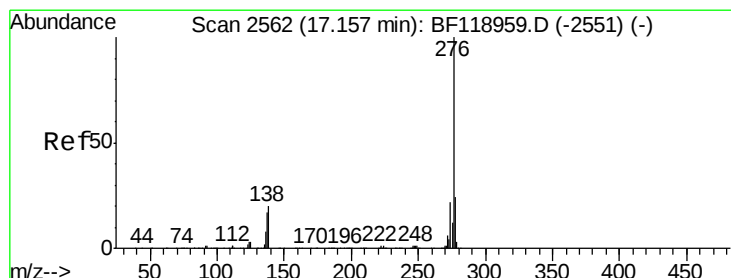
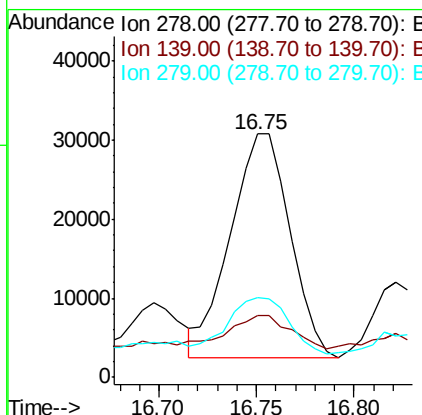
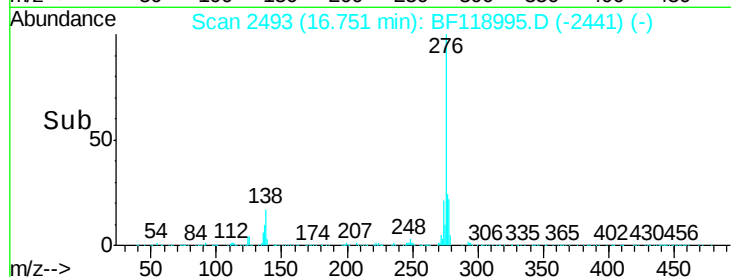
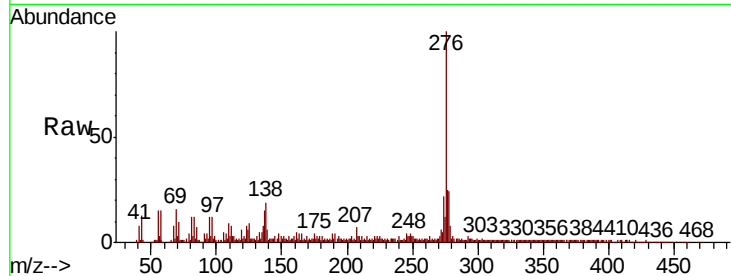
#91
 Dibenzo(a,h)anthracene
 Concen: 3.893 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.01 min
 Lab File: BF118995.D
 Acq: 21 Feb 2020 16:22

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-BRE

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.5	12.6	18.8#
279	32.9	19.0	28.6#

Manual Integrations
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#92
 Benzo(g,h,i)perylene
 Concen: 13.587 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.02 min
 Lab File: BF118995.D
 Acq: 21 Feb 2020 16:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	19.7	16.2	24.4

