

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
 Data File : BF111307.D
 Acq On : 12 Dec 2018 5:38
 Operator : JU/SJ
 Sample : J6214-41
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Manual Integrations
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Sohil
 12/12/2018 5:30:32 PM

Quant Time: Dec 12 06:55:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	243183	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	936240	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	393579	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	585192	20.00	ng	0.00
76) Chrysene-d12	13.96	240	479033	20.00	ng	0.00
87) Perylene-d12	15.40	264	348021	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1723492	111.91	ng	0.00
7) Phenol-d6	6.43	99	2199777	114.94	ng	0.00
23) Nitrobenzene-d5	7.36	82	1346809	80.69	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	351107	100.71	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2070514	94.65	ng	0.00
79) Terphenyl-d14	12.90	244	1490494	74.63	ng	0.00

Target Compounds					Qvalue	
10) Phenol	6.45	94	134855	6.026	ng	88
50) Dimethylphthalate	9.55	163	258741	8.910	ng	97
58) Fluorene	10.38	166	50757	2.055	ng	97
71) Phenanthrene	11.34	178	1179593	39.964	ng	94
72) Anthracene	11.39	178	286777	9.287	ng	94
73) Carbazole	11.55	167	75941	2.352	ng	95
75) Fluoranthene	12.53	202	2110716	78.281	ng	99
78) Pyrene	12.76	202	1845203	53.903	ng	97
81) Benzo(a)anthracene	13.95	228	1126054	42.135	ng	99
83) Chrysene	13.99	228	1092852	39.666	ng	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	94190	4.433	ng	99
86) Indeno(1,2,3-cd)pyrene	16.81	276	391014m	17.582	ng	
88) Benzo(b)fluoranthene	14.99	252	1200302m	62.365	ng	
89) Benzo(k)fluoranthene	15.01	252	303316m	16.762	ng	
90) Benzo(a)pyrene	15.34	252	710695	40.099	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	109902	7.895	ng	96
92) Benzo(g,h,i)perylene	17.24	276	345816	24.816	ng	97

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

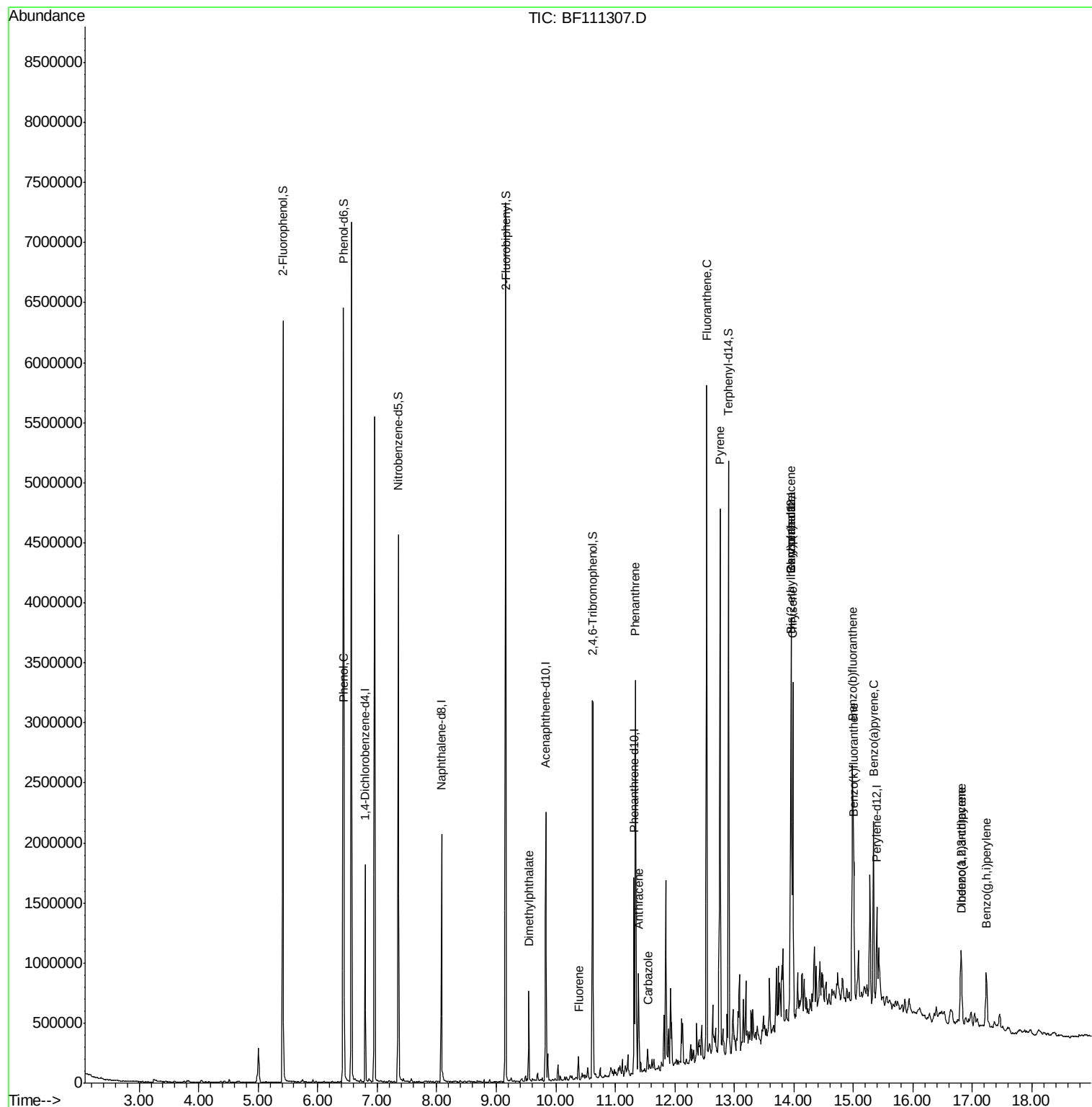
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111307.D
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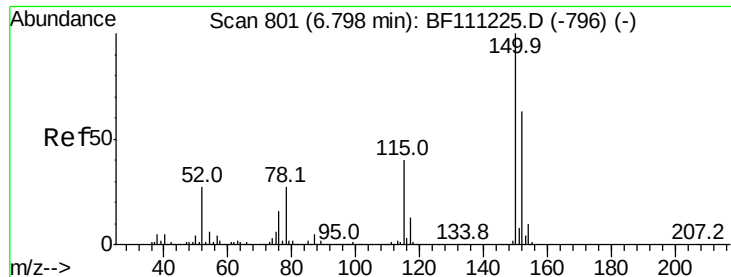
Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

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Quant Time: Dec 12 06:55:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

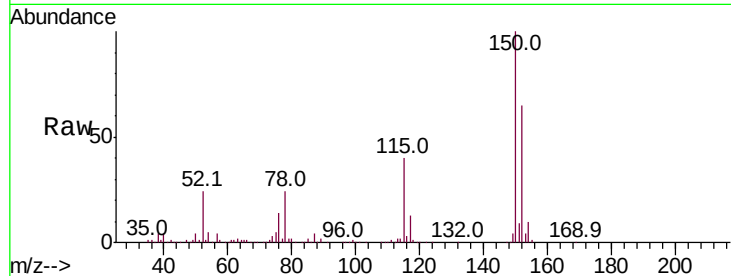
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.6	189.8
115	61.2	50.7	76.1

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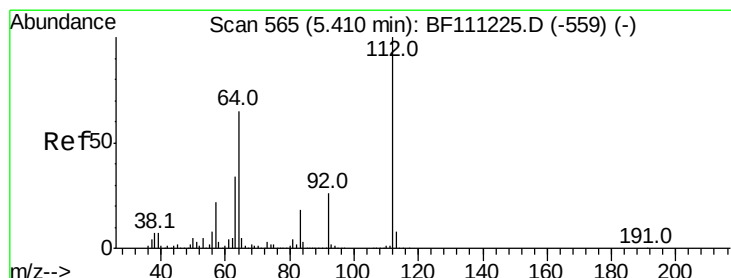
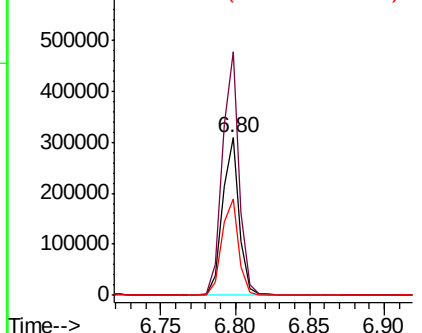
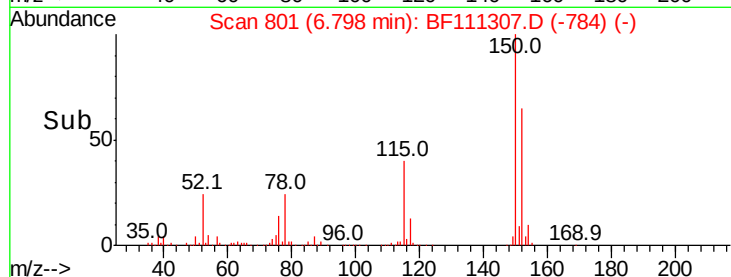


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

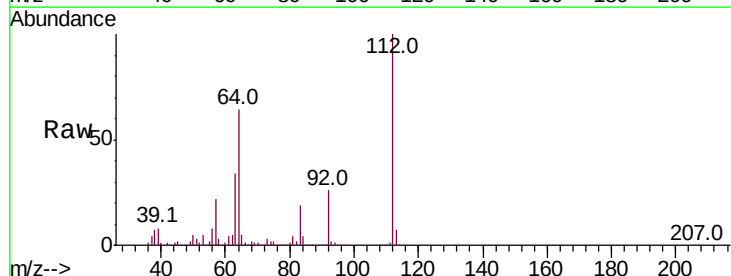
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 111.912 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	51.8	77.6
63	33.6	26.8	40.2

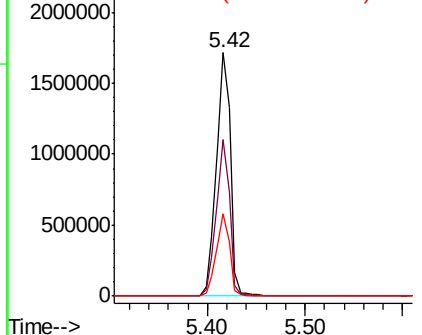
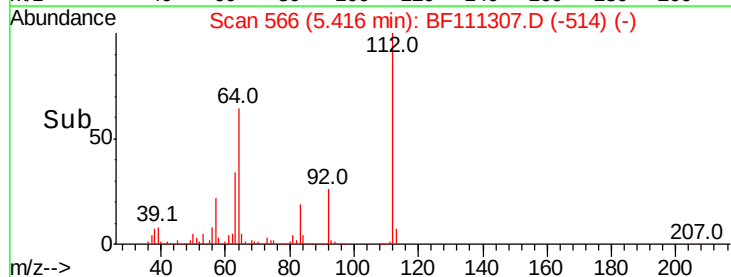


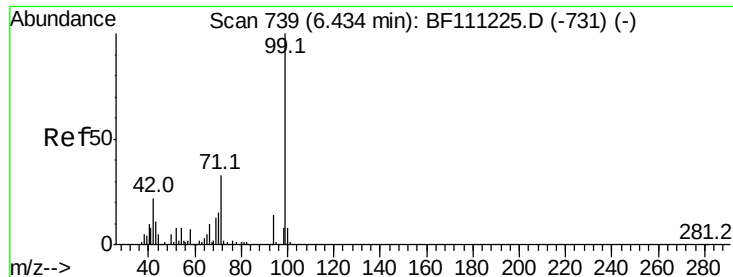
Abundance

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: 114.938 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111307.D

Acq: 12 Dec 2018 5:38

Instrument :

BNA_F

ClientSampleId :

SB-5(0-2)

Tot Ion: 99 Resp: 2199777

Ion Ratio Lower Upper

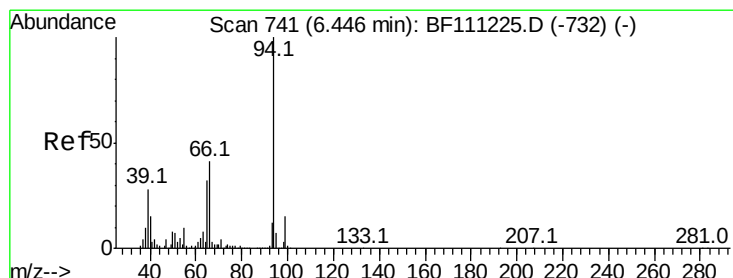
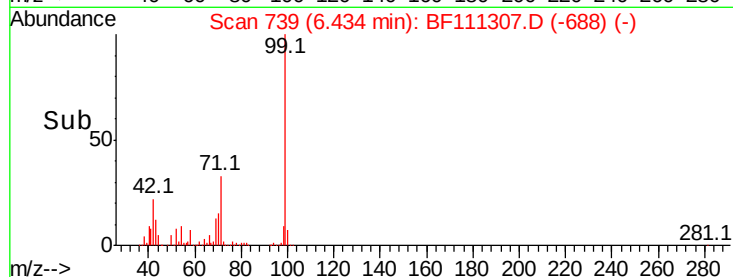
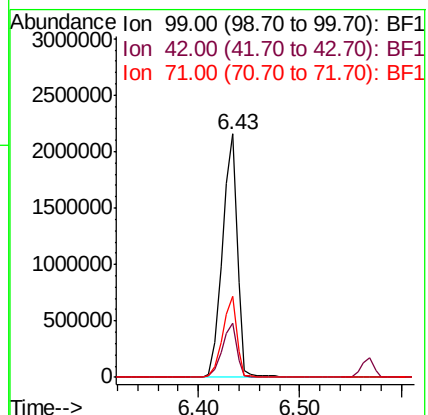
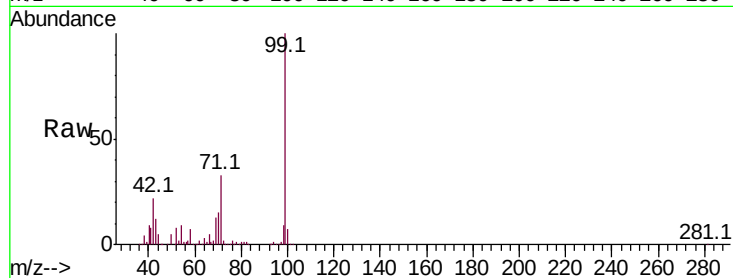
99 100

42 22.4 17.4 26.0

71 33.2 26.1 39.1

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#10

Phenol

Concen: 6.026 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111307.D

Acq: 12 Dec 2018 5:38

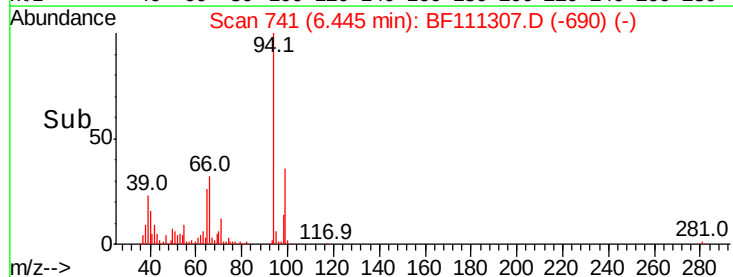
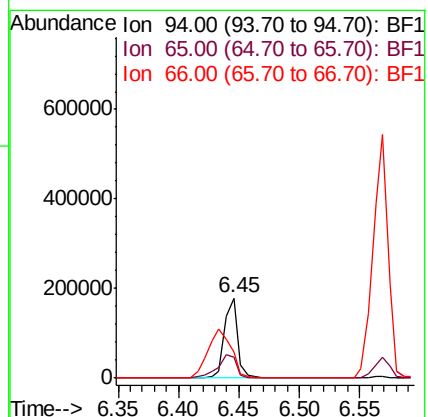
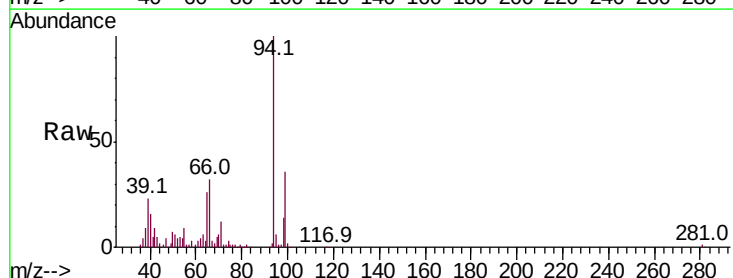
Tgt Ion: 94 Resp: 134855

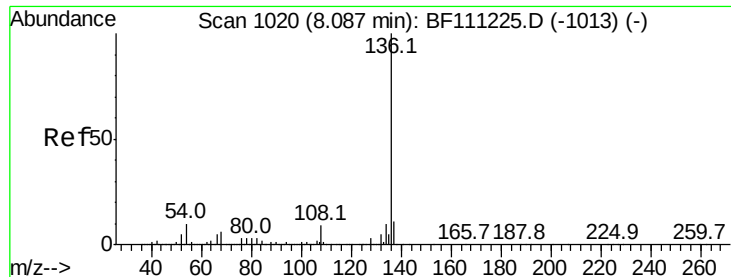
Ion Ratio Lower Upper

94 100

65 26.2 11.7 51.7

66 32.1 21.0 61.0





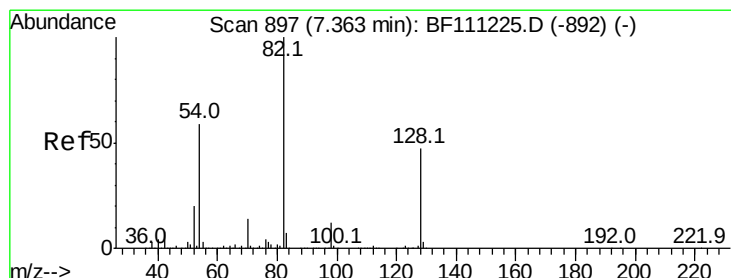
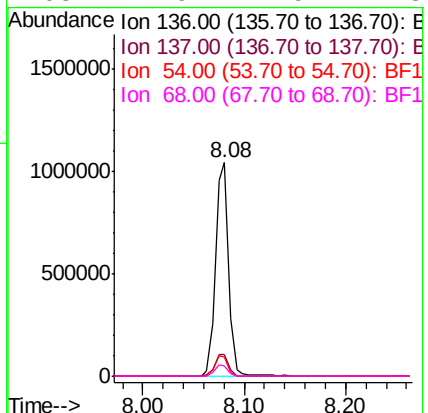
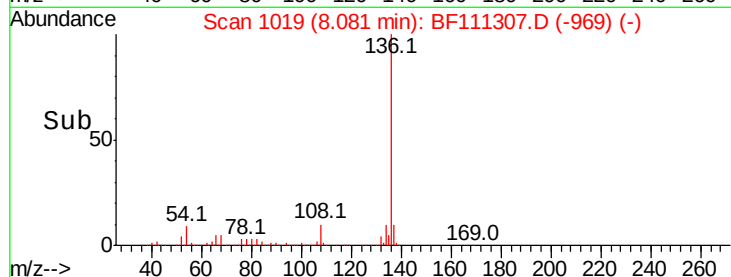
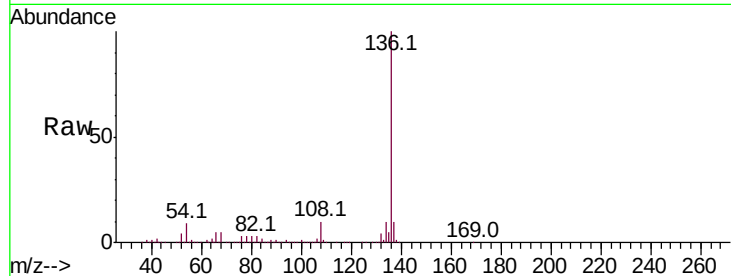
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.4	9.1	13.7	
54	8.9	7.7	11.5	
68	4.9	4.9	7.3	

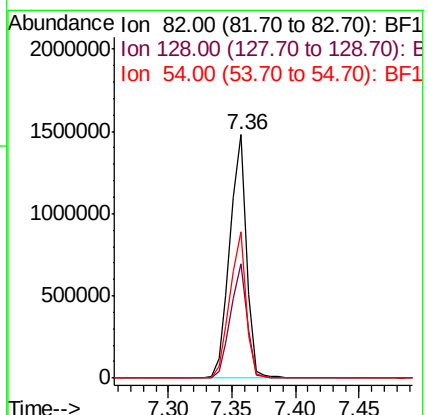
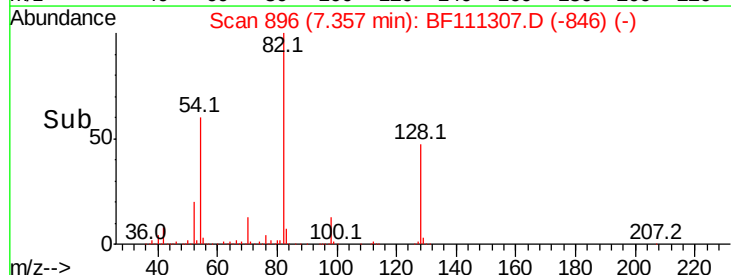
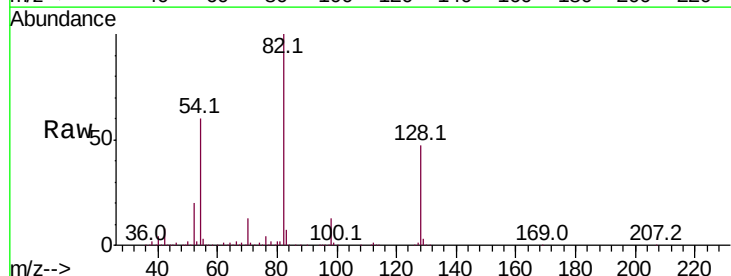
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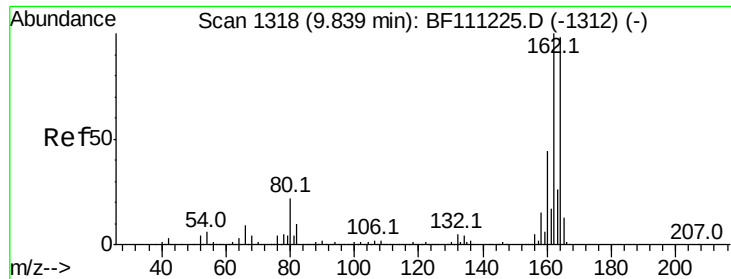
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#23
Nitrobenzene-d5
Concen: 80.685 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.0	37.4	56.2	
54	60.1	47.6	71.4	





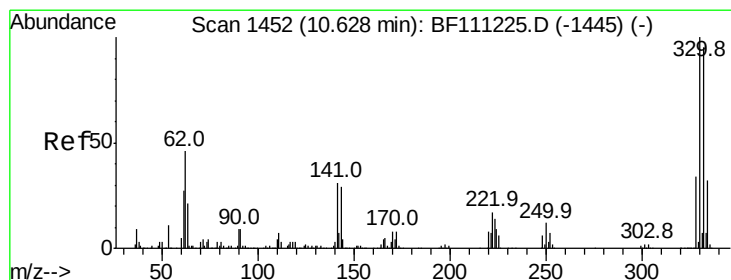
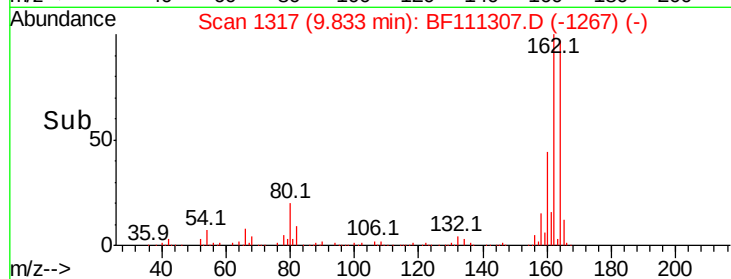
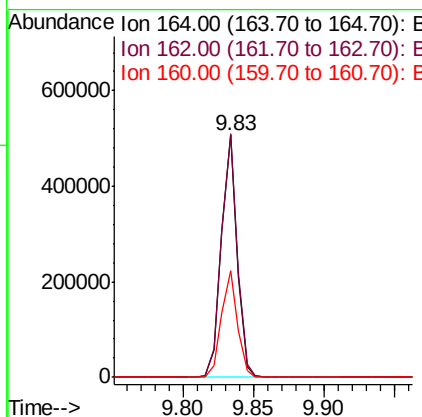
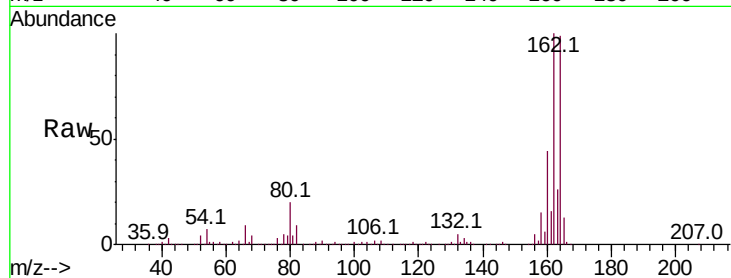
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF111307.D
 Acq: 12 Dec 2018 5:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	393579		
162	100.5	81.4	122.0	
160	44.0	35.7	53.5	

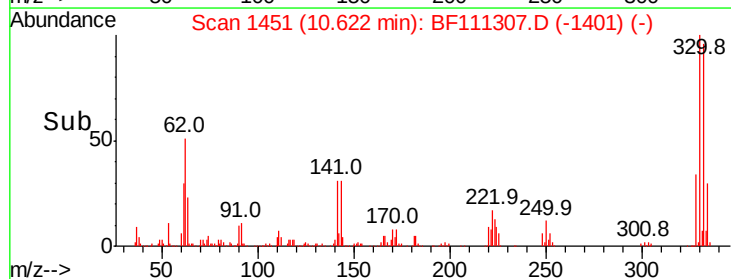
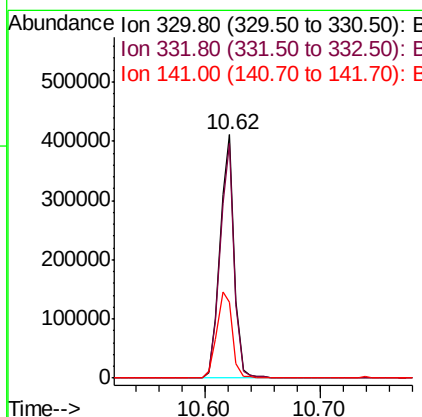
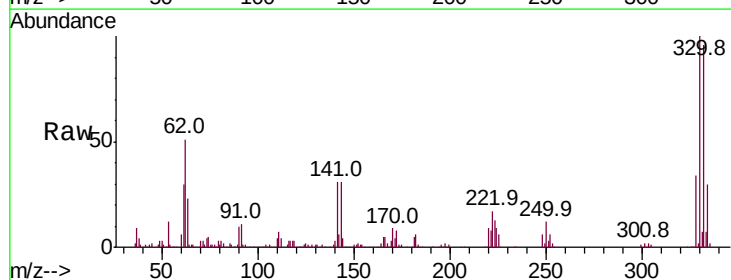
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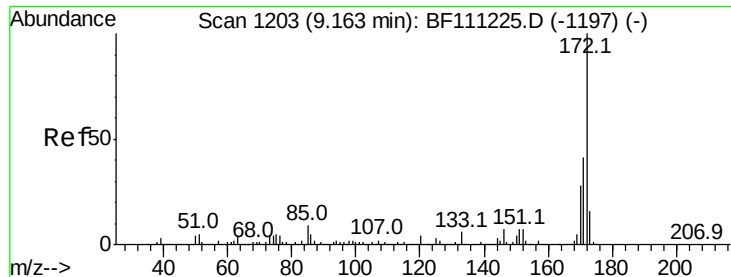
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#42
 2,4,6-Tribromophenol
 Concen: 100.709 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF111307.D
 Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	351107		
332	95.5	76.0	114.0	
141	38.4	31.0	46.6	





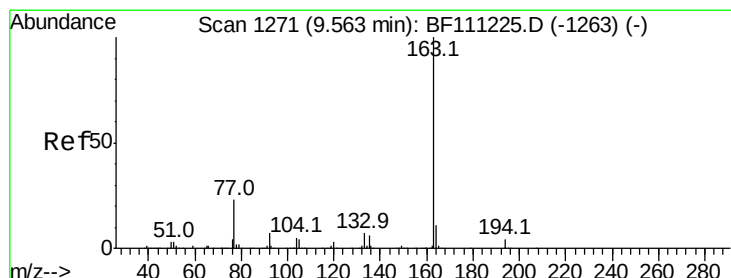
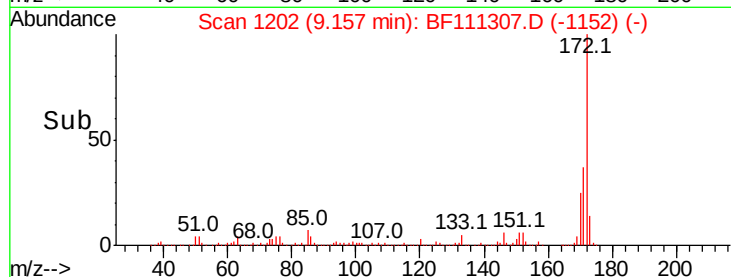
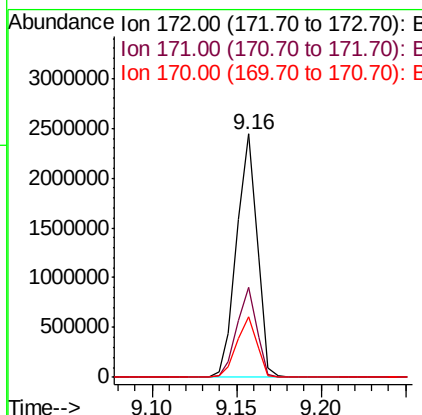
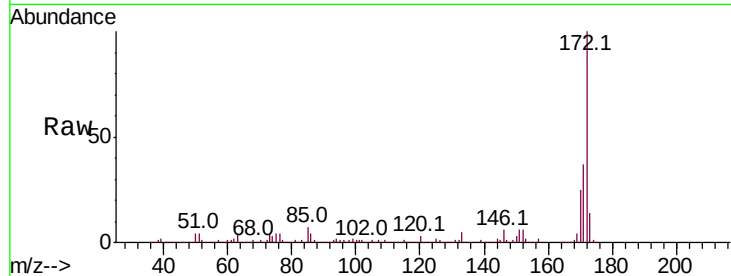
#45
2-Fluorobiphenyl
Concen: 94.653 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	33.0	49.4
170	25.0	22.3	33.5

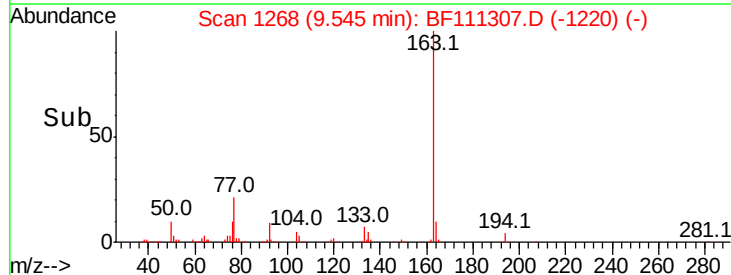
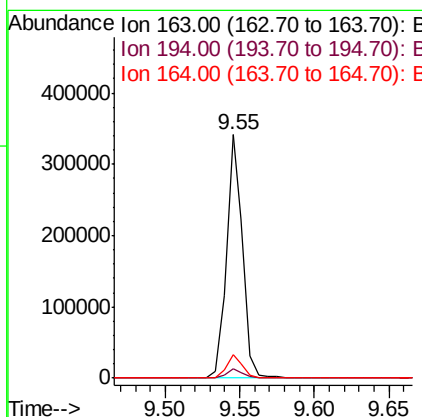
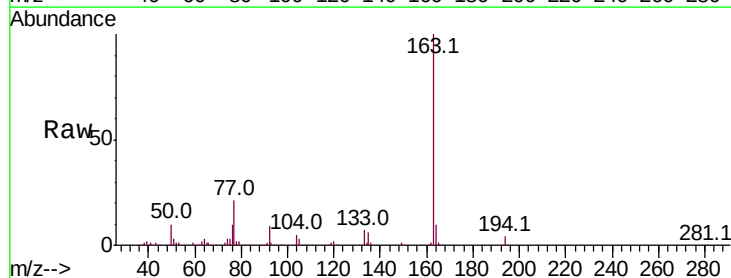
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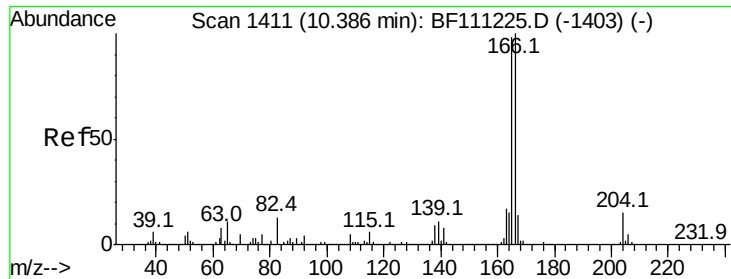
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#50
Dimethylphthalate
Concen: 8.910 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	9.8	8.9	13.3





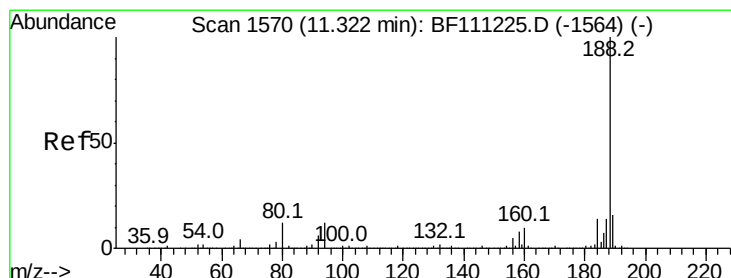
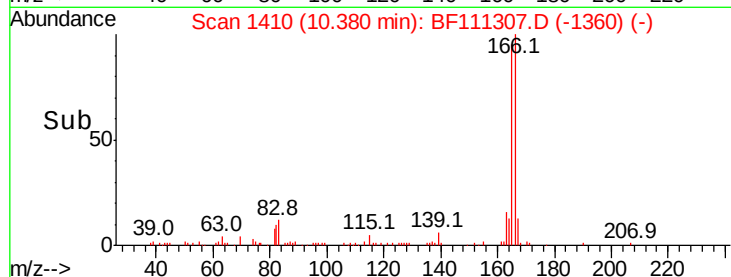
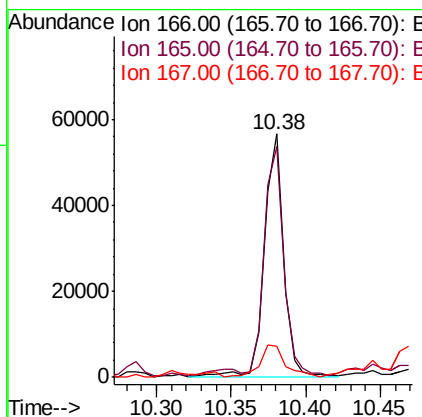
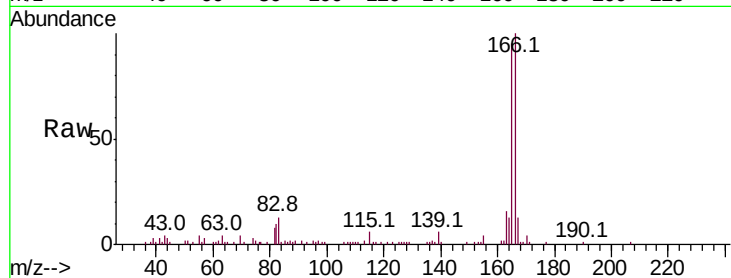
#58
 Fluorene
 Concen: 2.055 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF111307.D
 Acq: 12 Dec 2018 5:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.1	78.4	117.6
167	12.6	11.2	16.8

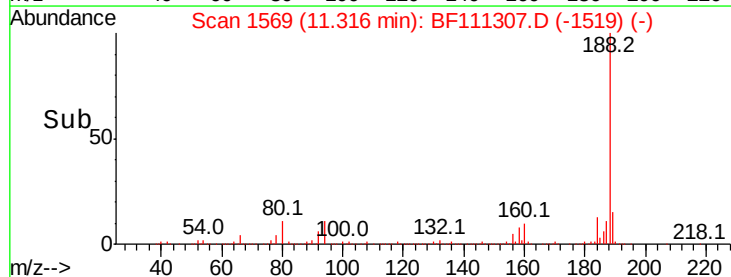
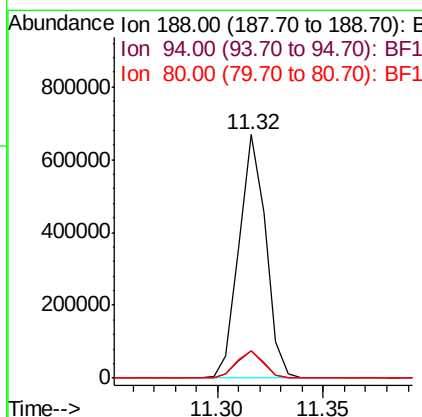
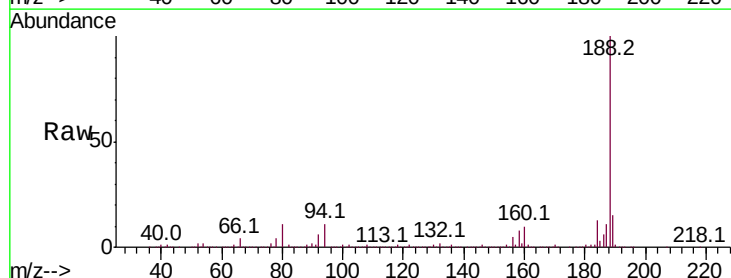
Manual Integrations
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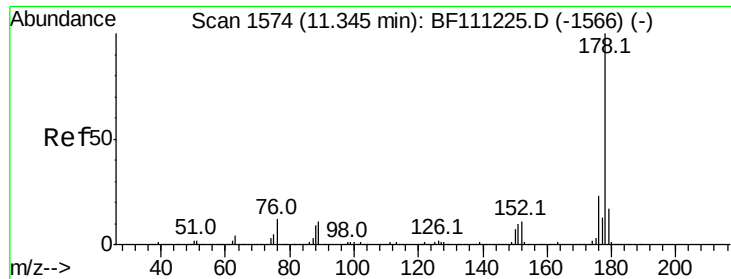
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF111307.D
 Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.6	14.4
80	11.2	9.8	14.6





#71

Phenanthrene

Concen: 39.964 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF111307.D

Acq: 12 Dec 2018 5:38

Instrument :

BNA_F

ClientSampled :

SB-5(0-2)

Tot Ion:178 Resp: 1179593

Ion Ratio Lower Upper

178 100

176 19.2 18.1 27.1

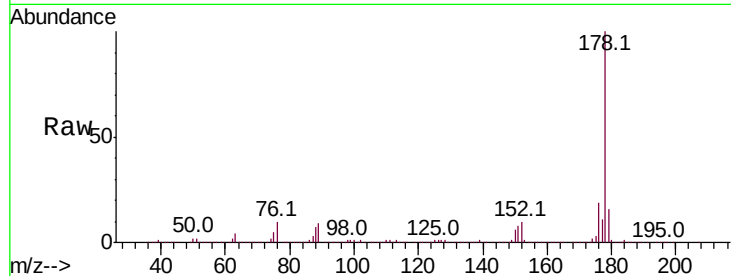
179 15.7 14.0 21.0

Manual Integrations

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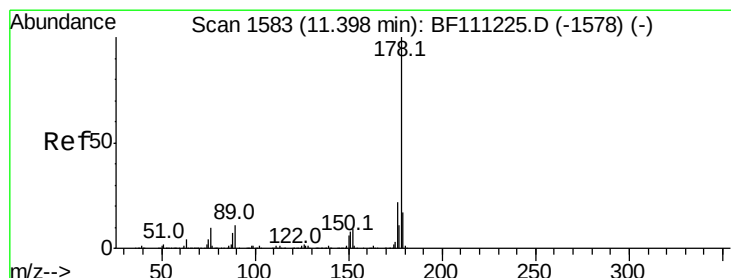
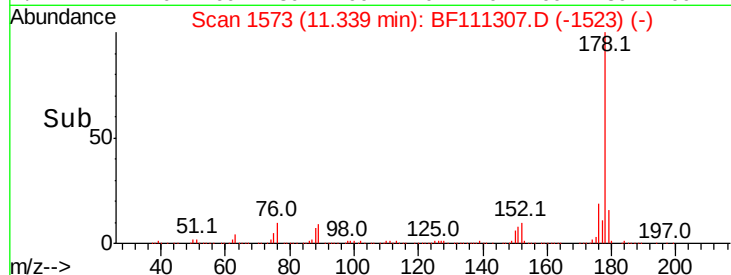
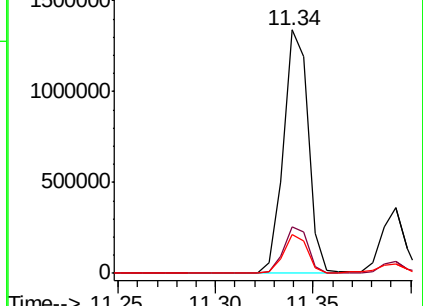
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 9.287 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF111307.D

Acq: 12 Dec 2018 5:38

Tgt Ion:178 Resp: 286777

Ion Ratio Lower Upper

178 100

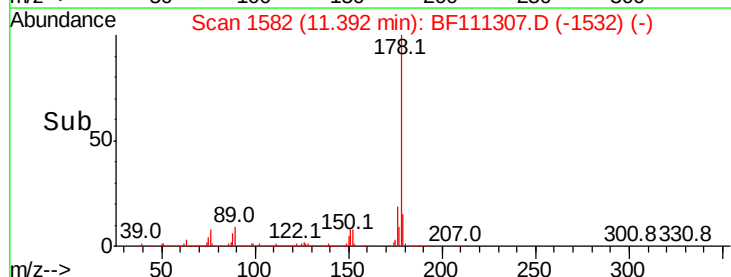
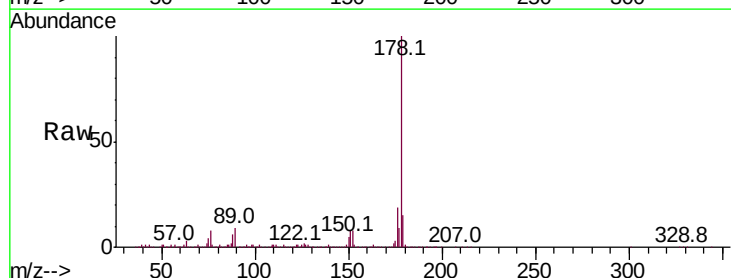
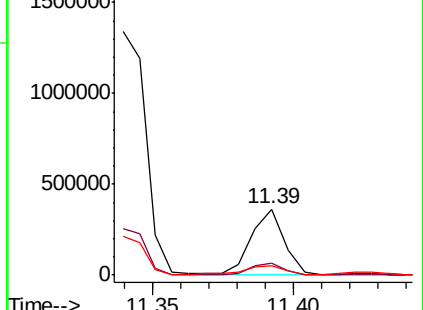
176 18.9 17.2 25.8

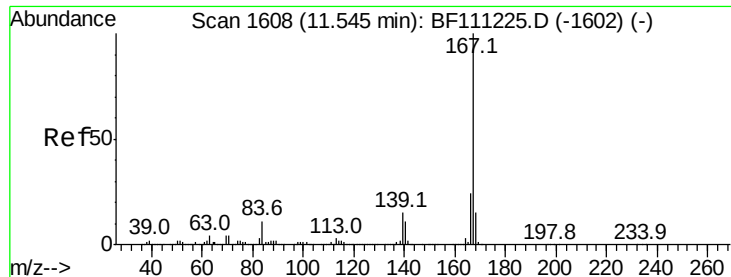
179 14.9 13.8 20.8

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





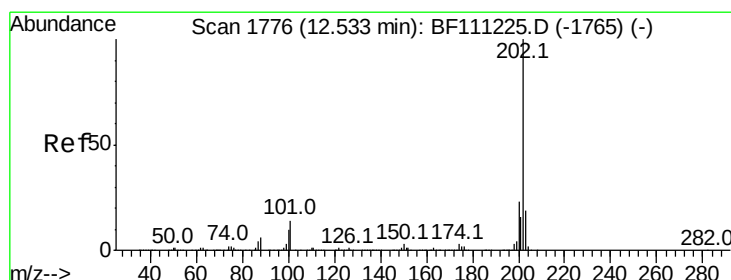
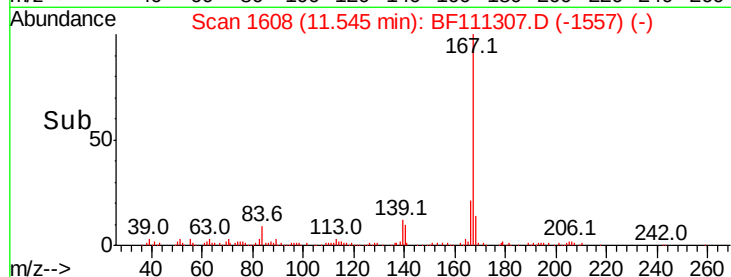
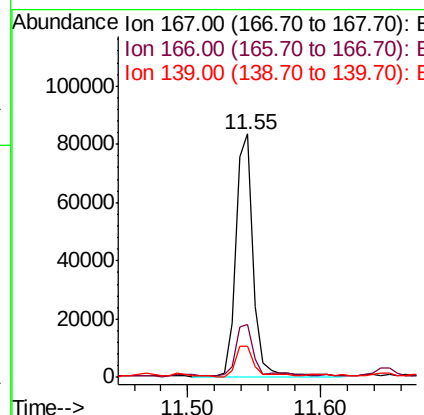
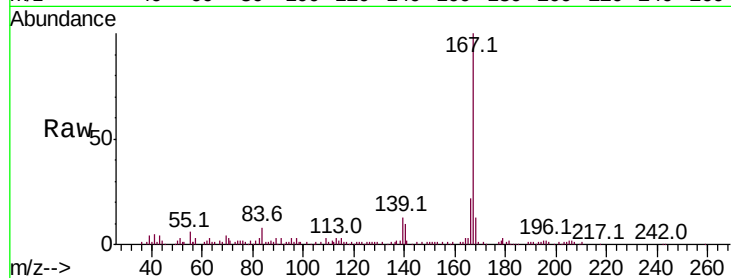
#73
 Carbazole
 Concen: 2.352 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. 0.00 min
 Lab File: BF111307.D
 Acq: 12 Dec 2018 5:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	19.3	28.9
139	12.7	11.9	17.9

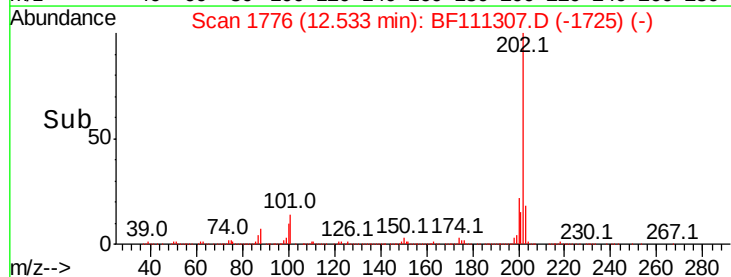
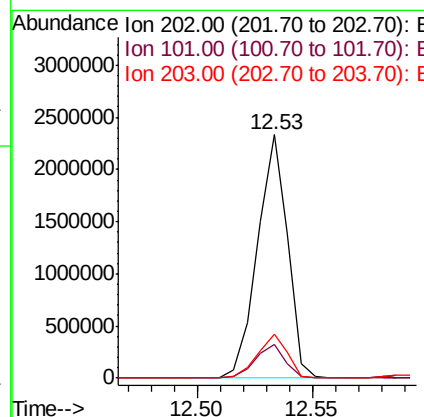
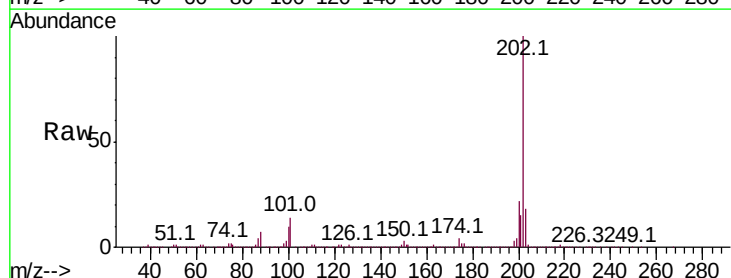
Manual Integrations
 APPROVED

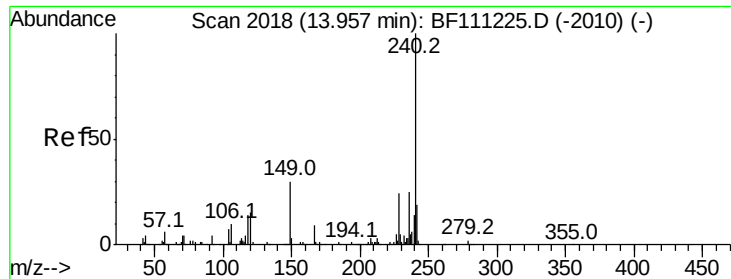
Sohil
 12/12/2018 5:30:32 PM



#75
 Fluoranthene
 Concen: 78.281 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BF111307.D
 Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.8
203	18.2	0.0	38.6





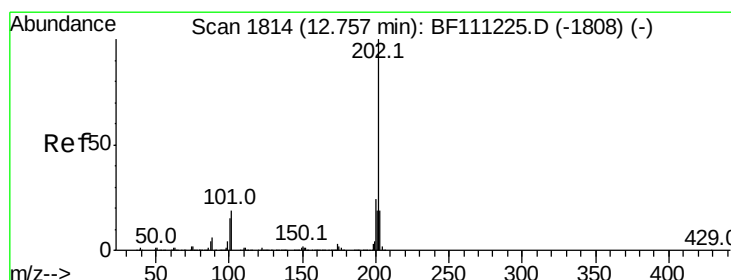
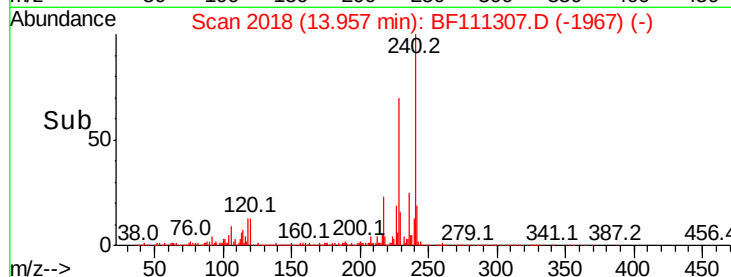
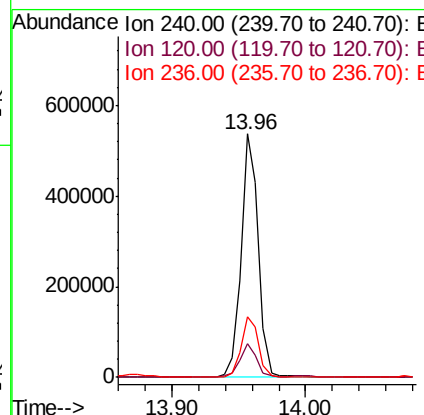
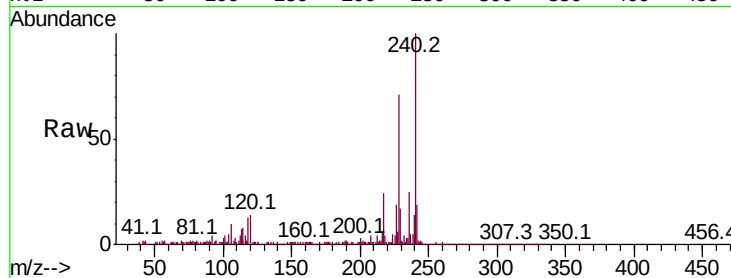
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	12.2	18.2
236	24.9	20.2	30.2

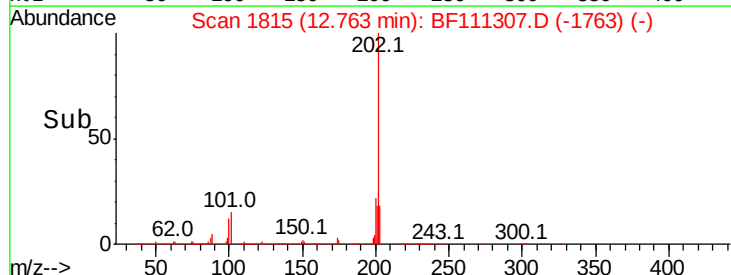
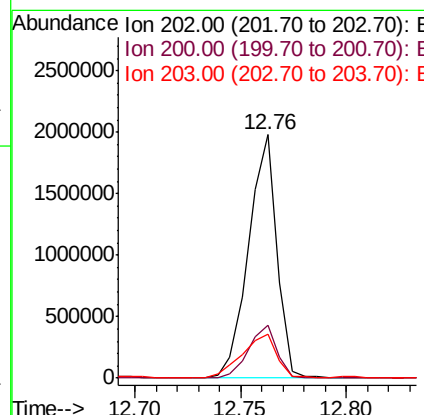
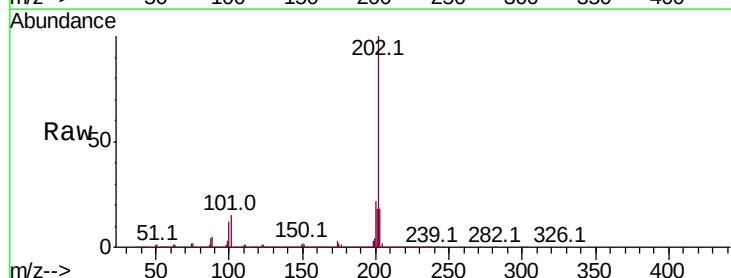
Manual Integrations
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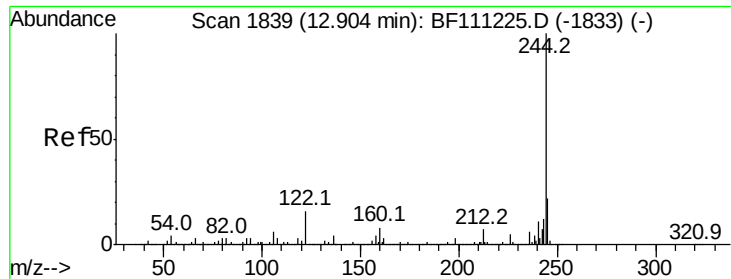
Sohil
12/12/2018 5:30:32 PM



#78
Pyrene
Concen: 53.903 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	19.0	28.4
203	18.2	15.2	22.8





#79

Terphenyl-d14

Concen: 74.633 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111307.D

Acq: 12 Dec 2018 5:38

Instrument :

BNA_F

ClientSampleId :

SB-5(0-2)

Tot Ion:244 Resp: 1490494

Ion Ratio Lower Upper

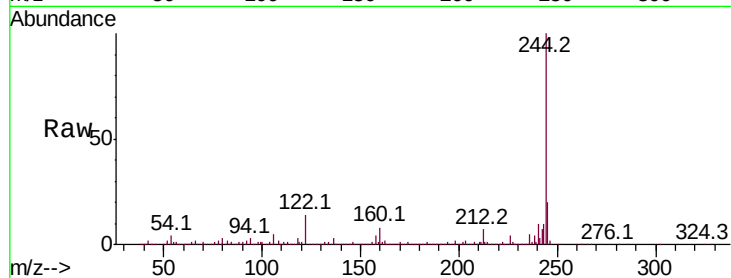
244 100

212 6.8 5.7 8.5

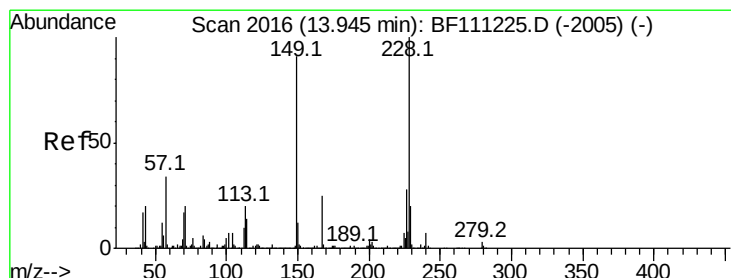
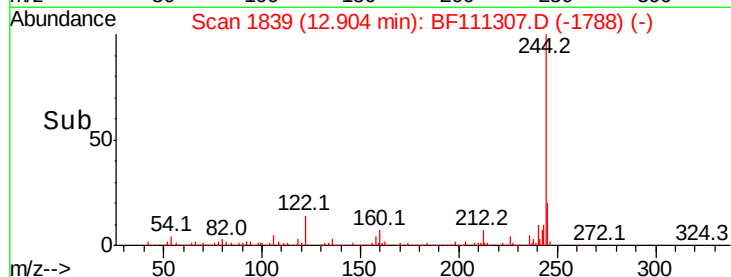
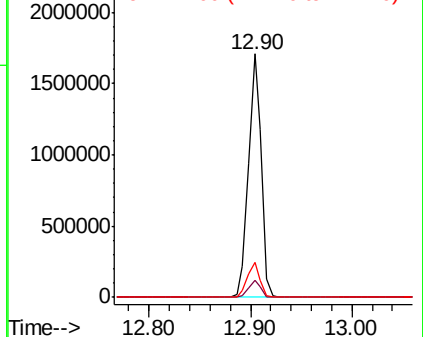
122 14.2 13.1 19.7

Manual Integrations
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Sohil
12/12/2018 5:30:32 PM



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: 42.135 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF111307.D

Acq: 12 Dec 2018 5:38

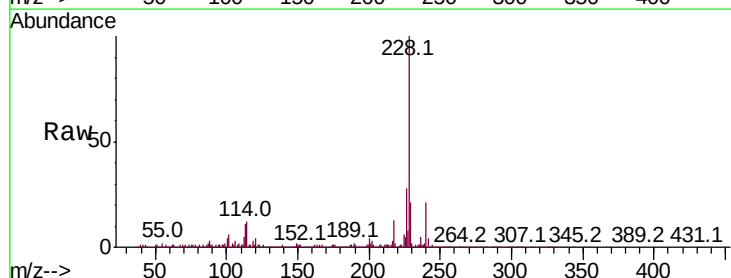
Tgt Ion:228 Resp: 1126054

Ion Ratio Lower Upper

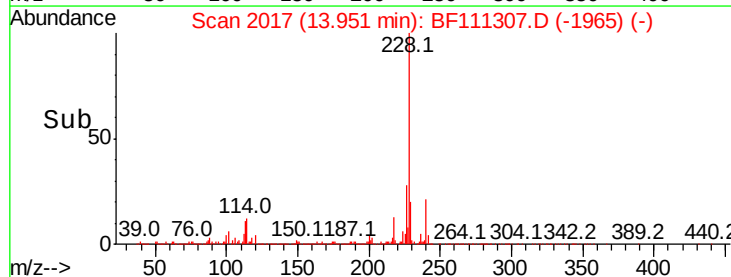
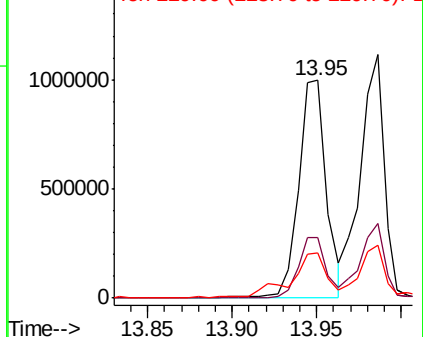
228 100

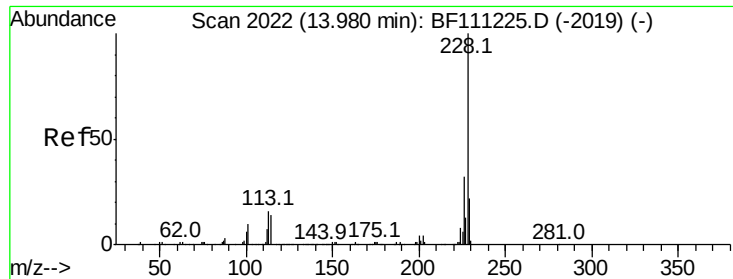
226 27.8 22.6 34.0

229 20.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





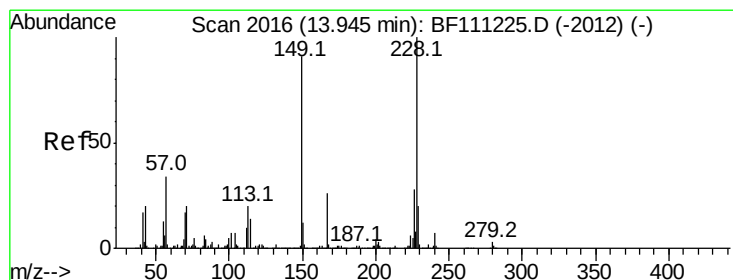
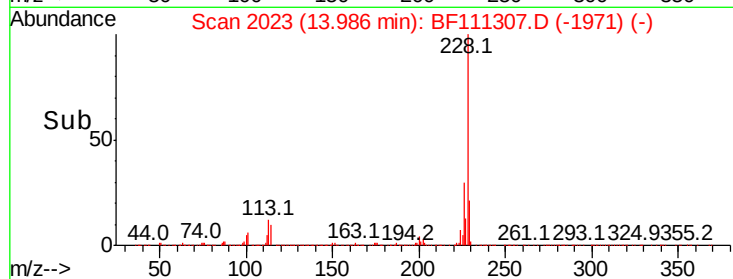
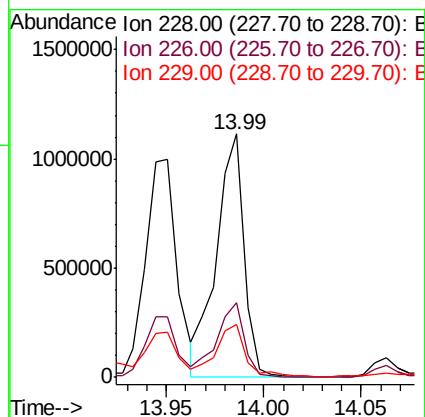
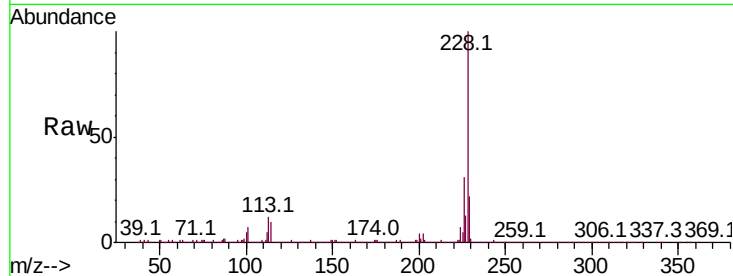
#83
 Chrysene
 Concen: 39.666 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.01 min
 Lab File: BF111307.D
 Acq: 12 Dec 2018 5:38

Instrument :
 BNA_F
 ClientSampled :
 SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.3	37.9
229	21.6	17.2	25.8

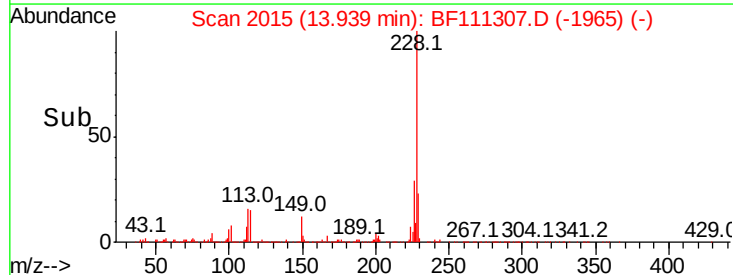
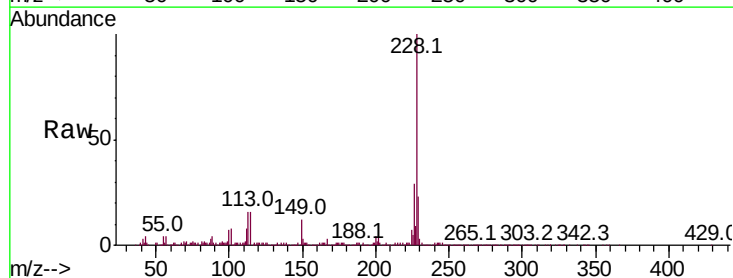
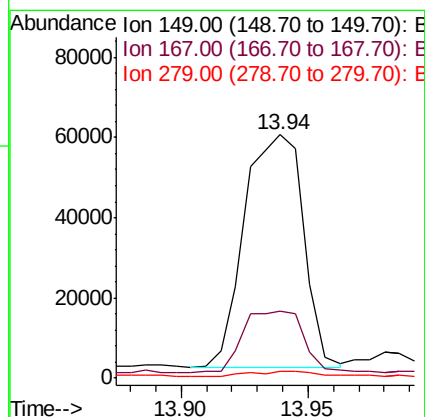
Manual Integrations
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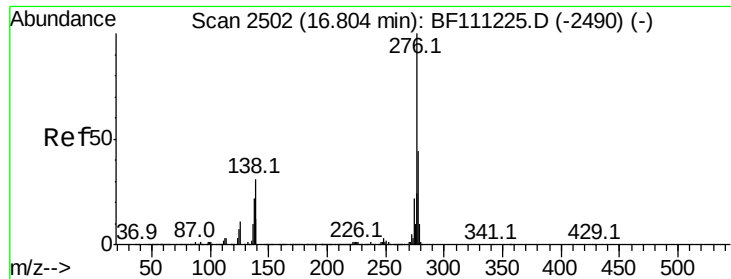
Sohil
 12/12/2018 5:30:32 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.433 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF111307.D
 Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.5	33.7
279	2.7	2.6	4.0





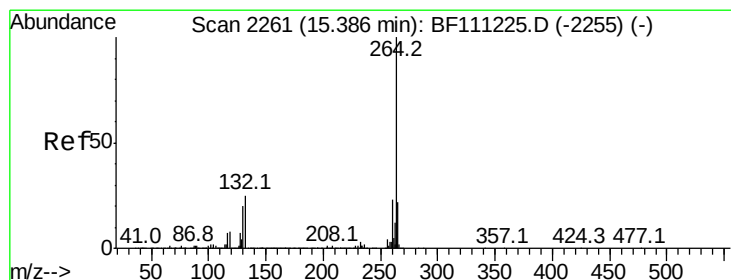
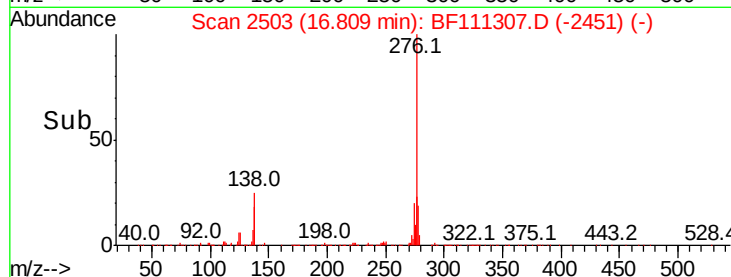
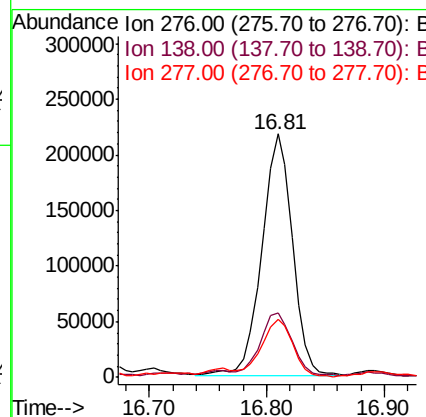
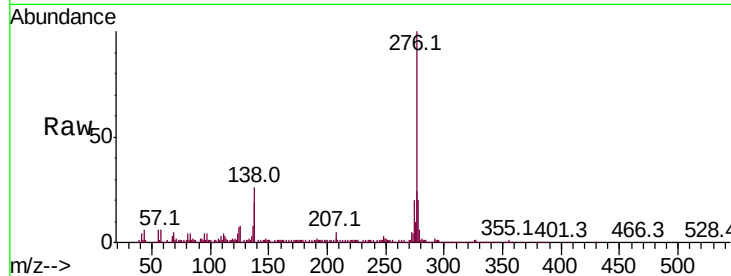
#86
Indeno(1,2,3-cd)pyrene
Concen: 17.582 ng/ml
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Instrument :
BNA_F
Client Sampled :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.0	27.8	41.6#
277	4.9	20.1	30.1#

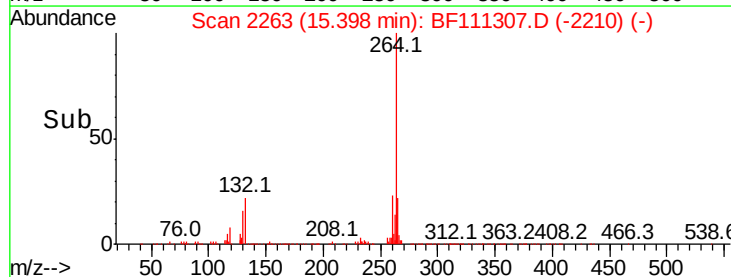
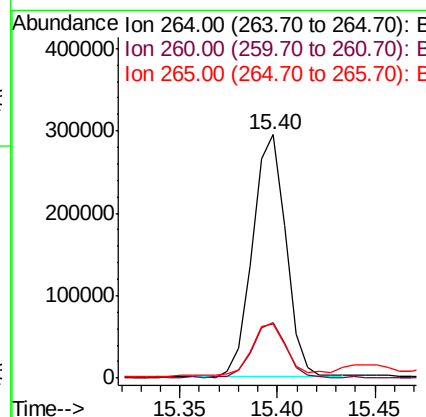
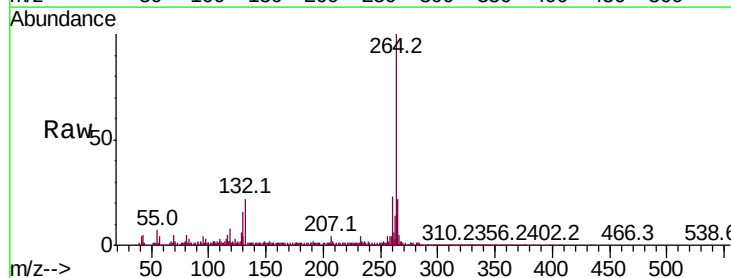
Manual Integrations
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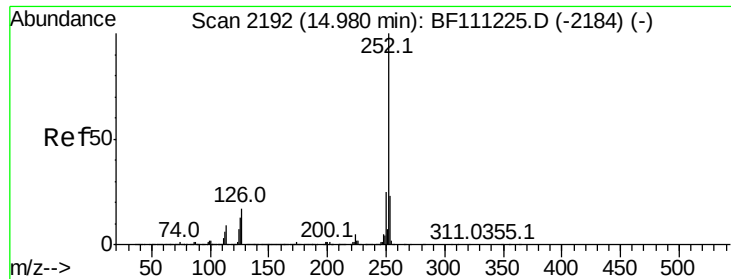
Sohil
12/12/2018 5:30:32 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	22.5	17.7	26.5





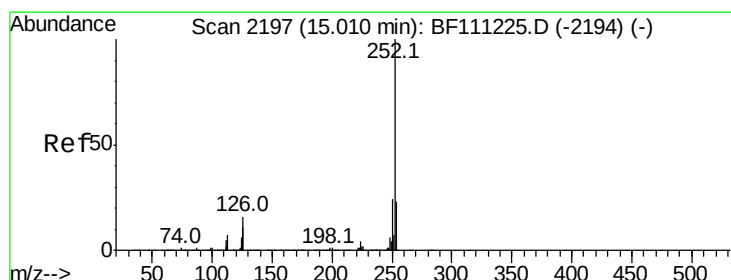
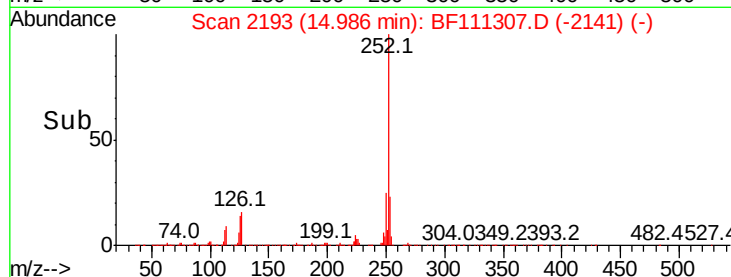
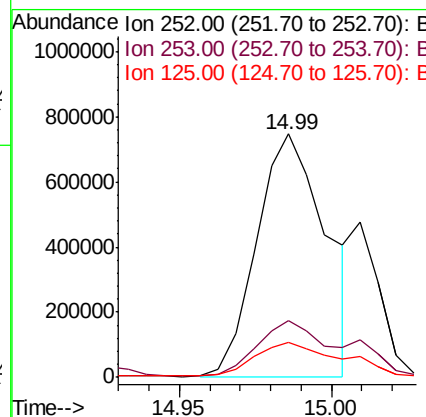
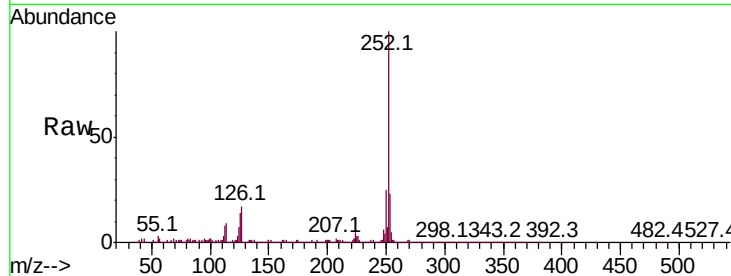
#88
Benzo(b)fluoranthene
Concen: 62.365 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	14.1	10.4	15.6

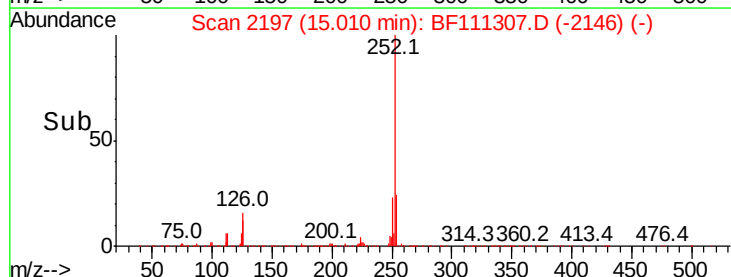
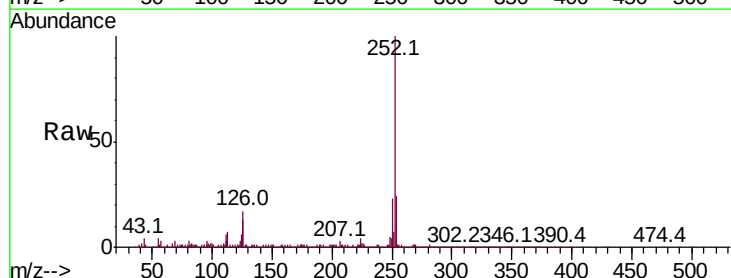
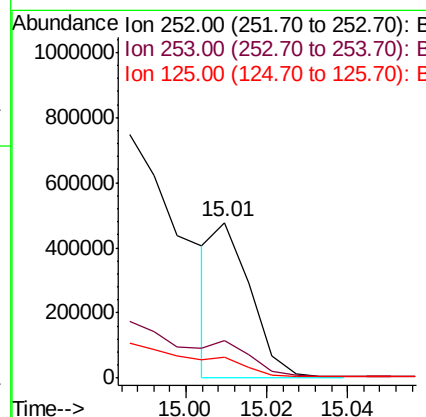
Manual Integrations
APPROVED

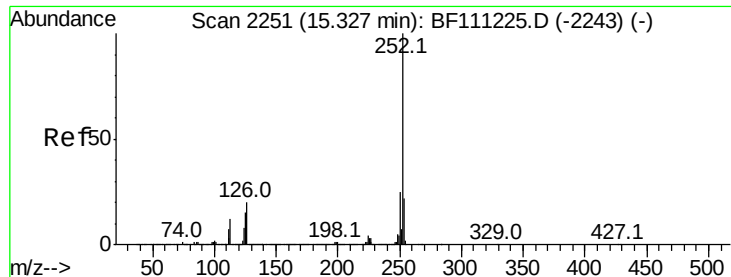
Sohil
12/12/2018 5:30:32 PM



#89
Benzo(k)fluoranthene
Concen: 16.762 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	13.2	9.8	14.8





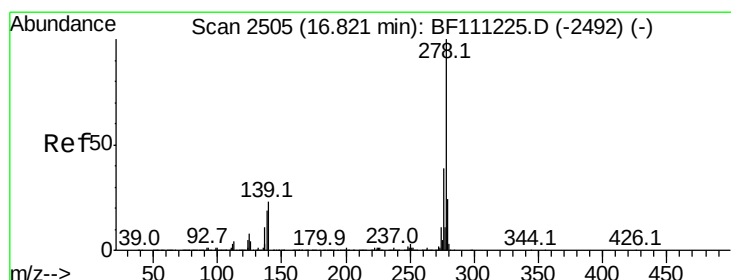
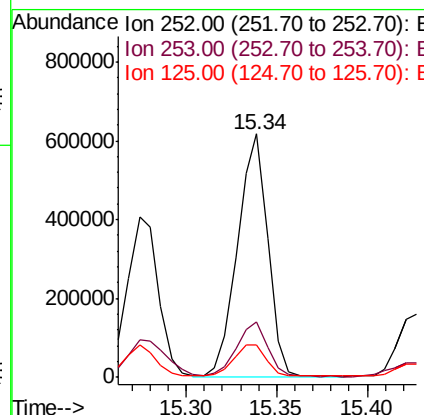
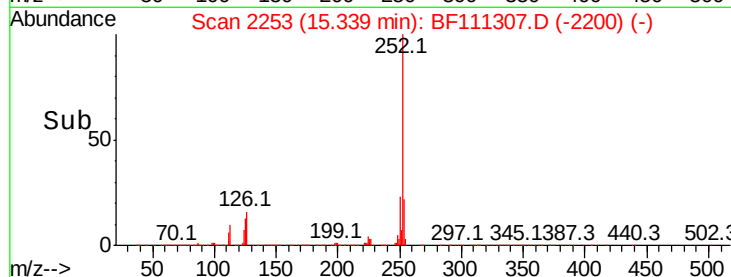
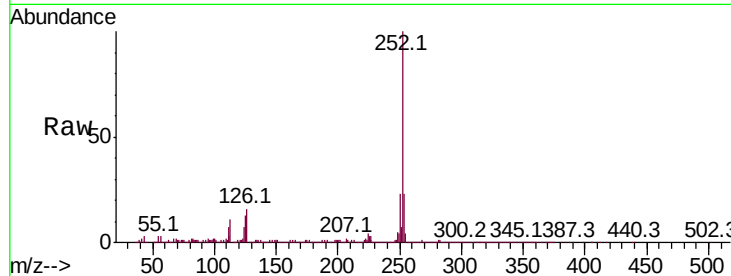
#90
Benzo(a)pyrene
Concen: 40.099 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	13.2	12.3	18.5

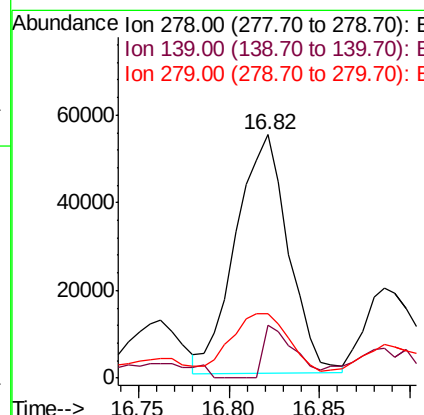
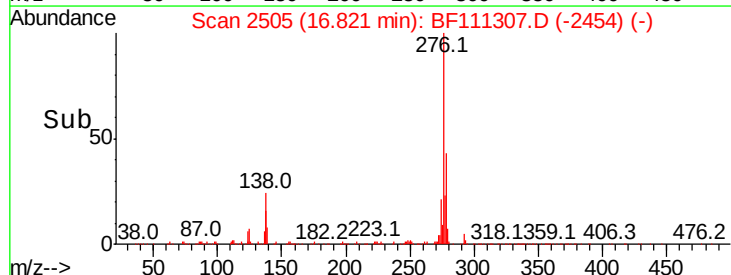
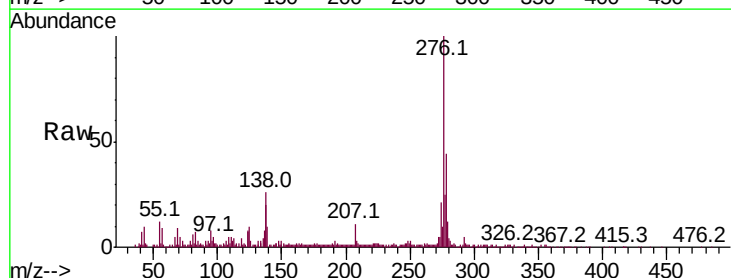
Manual Integrations
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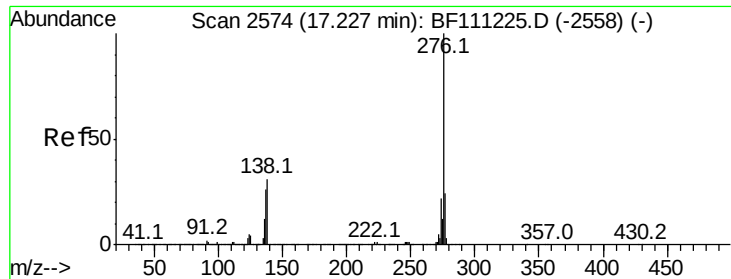
Sohil
12/12/2018 5:30:32 PM



#91
Dibenzo(a,h)anthracene
Concen: 7.895 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BF111307.D
Acq: 12 Dec 2018 5:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	18.2	27.4
279	26.2	19.0	28.6





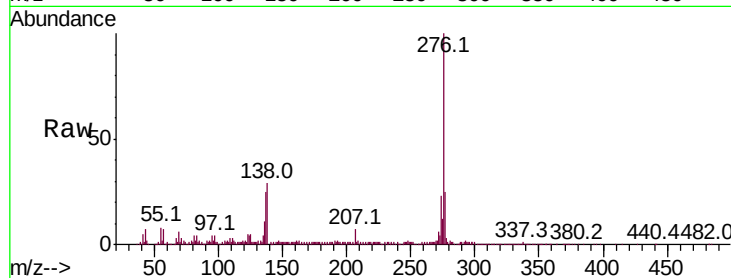
#92
 Benzo(a,h,i)perylene
 Concen: 24.816 ng
 RT: 17.24 min Scan# 2576
 Delta R.T. 0.01 min
 Lab File: BF111307.D
 Acq: 12 Dec 2018 5:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	28.9	24.9	37.3

Manual Integrations
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 12/12/2018 5:30:32 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

