

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
 Data File : BF111206.D
 Acq On : 8 Dec 2018 00:40
 Operator : JU/SJ
 Sample : J6214-17DL 50X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 SB-10(0-2)DL

Manual Integrations
 APPROVED

Sohil
 12/11/2018 8:44:52 AM

Quant Time: Dec 10 14:08:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	488673	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1989530	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	745021	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1575992	20.00	ng	0.00
76) Chrysene-d12	13.96	240	833579	20.00	ng	0.00
87) Perylene-d12	15.40	264	1156815	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	74287	2.37	ng	-0.01
7) Phenol-d6	6.42	99	89373	2.22	ng	-0.01
23) Nitrobenzene-d5	7.36	82	55341	1.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	15475	2.61	ng	0.00
45) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
79) Terphenyl-d14	12.90	244	56417	1.39	ng	0.00
Target Compounds						
52) Acenaphthene	9.87	154	249894	5.710	ng	99
55) Dibenzofuran	10.05	168	131686	2.185	ng	# 88
58) Fluorene	10.39	166	237484	5.587	ng	100
71) Phenanthrene	11.35	178	2787088	36.765	ng	98
72) Anthracene	11.40	178	778466	10.187	ng	95
73) Carbazole	11.55	167	342357	4.306	ng	94
75) Fluoranthene	12.53	202	2443827	32.944	ng	98
78) Pyrene	12.76	202	1959922	30.180	ng	96
81) Benzo(a)anthracene	13.94	228	946152	19.373	ng	99
83) Chrysene	13.98	228	852476	17.582	ng	96
86) Indeno(1,2,3-cd)pyrene	16.80	276	523515	13.448	ng	# 89
88) Benzo(b)fluoranthene	14.98	252	1433536m	21.869	ng	
89) Benzo(k)fluoranthene	15.00	252	496700m	7.838	ng	
90) Benzo(a)pyrene	15.33	252	989718	16.461	ng	98
91) Dibenzo(a,h)anthracene	16.81	278	129124m	2.559	ng	
92) Benzo(g,h,i)perylene	17.23	276	427508	8.431	ng	98

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

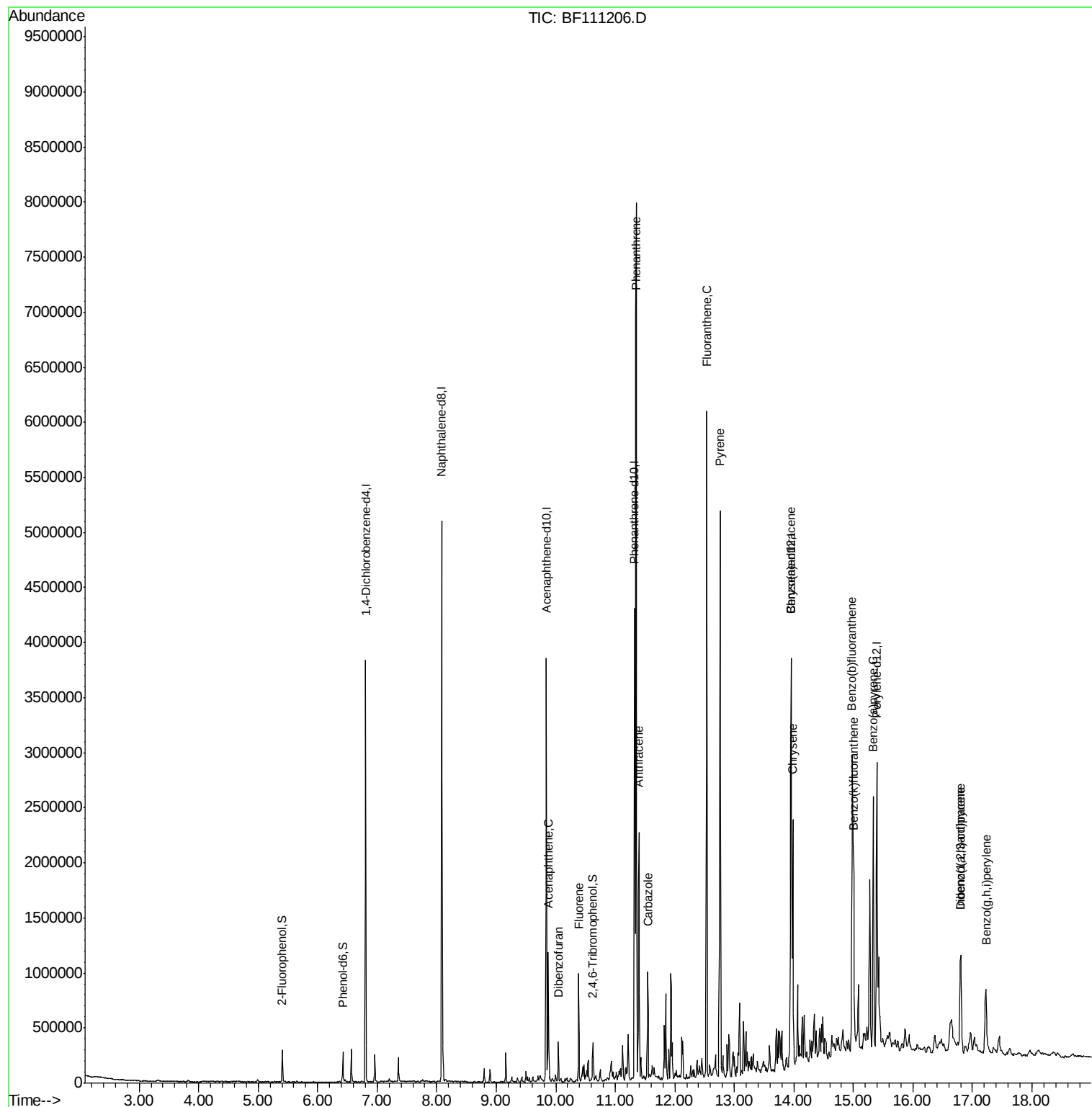
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111206.D
Acq On : 8 Dec 2018 00:40
Operator : JU/SJ
Sample : J6214-17DL 50X
Misc :
ALS Vial : 28 Sample Multiplier: 1

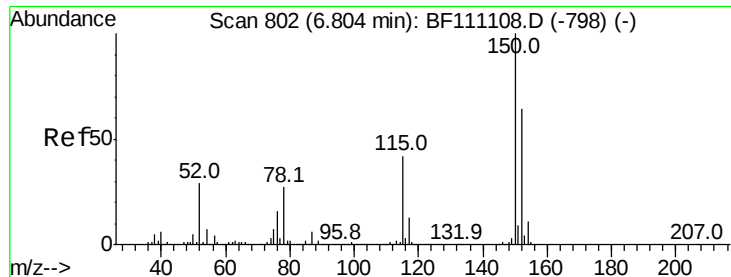
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

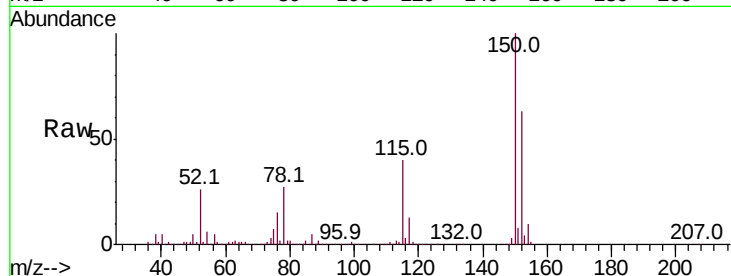
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	187.0
115	63.5	52.2	78.2

Manual Integrations
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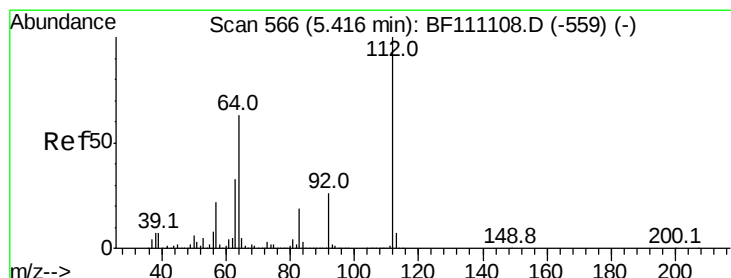
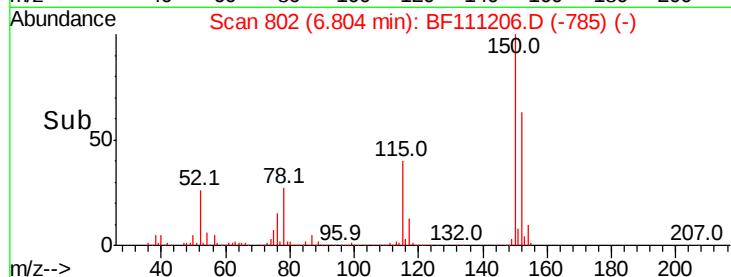
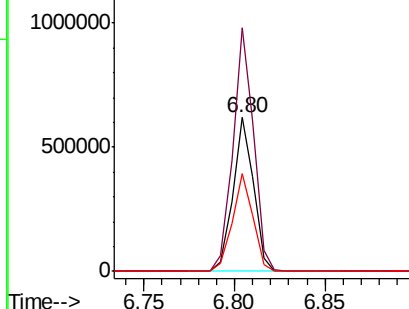


Abundance

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: 2.372 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

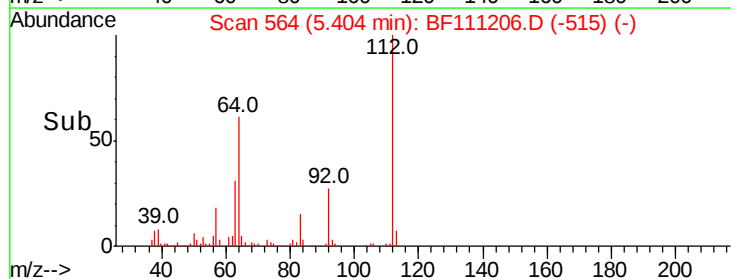
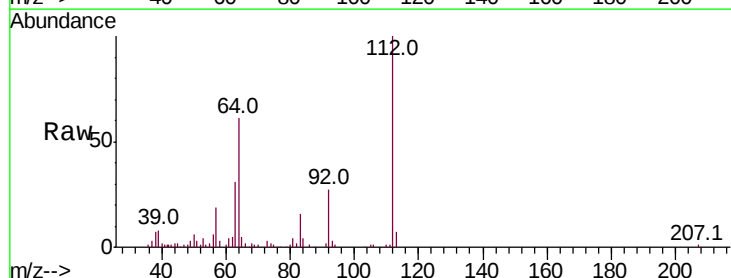
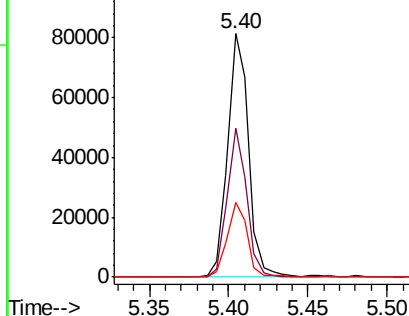
Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	50.2	75.4
63	30.7	26.6	39.8

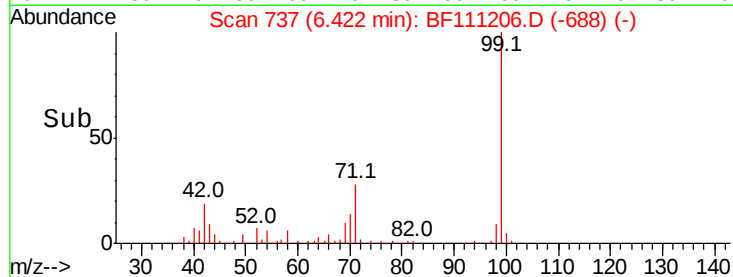
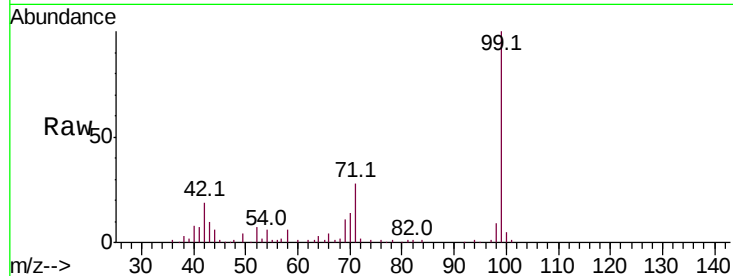
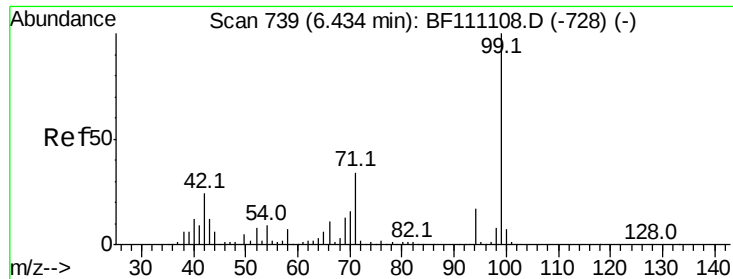
Abundance

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: 2.215 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Tot Ion:	99	Resp:	89373
Ion Ratio	Lower	Upper	
99	100		
42	19.5	19.3	28.9
71	27.9	27.4	41.2

Instrument :

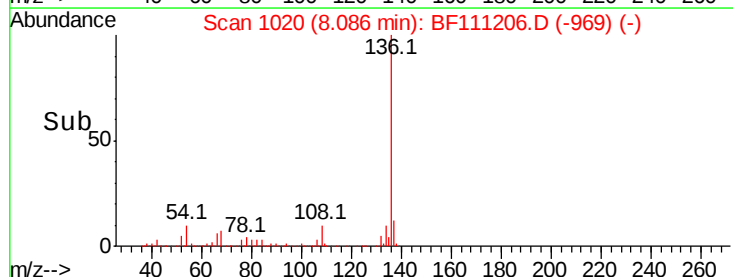
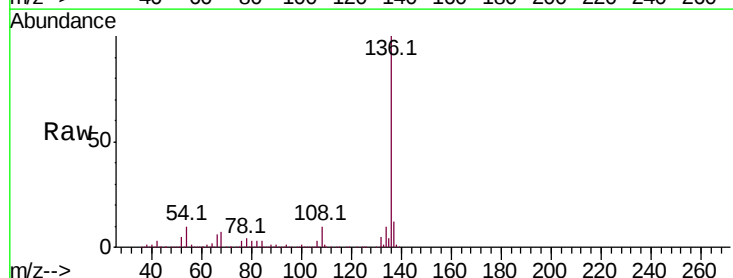
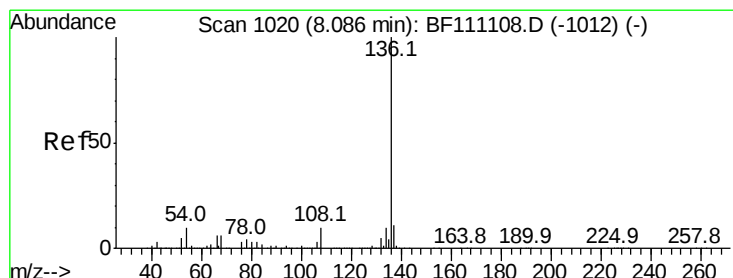
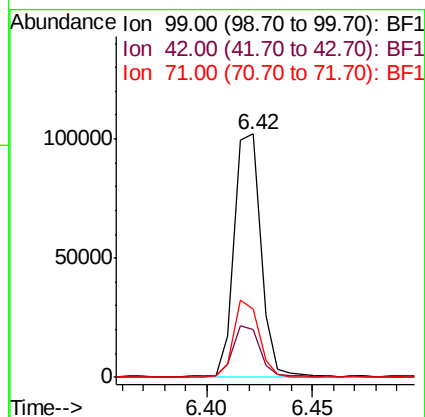
BNA_F

ClientSampled :

SB-10(0-2)DL

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#21

Naphthalene-d8

Concen: 20.000 ng

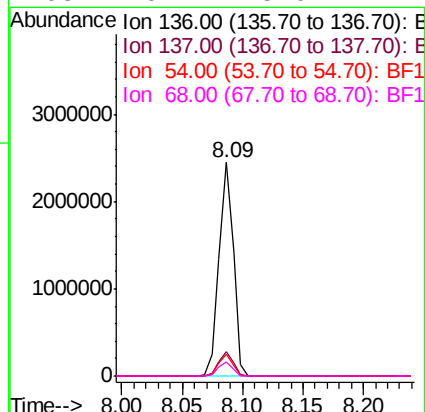
RT: 8.09 min Scan# 1020

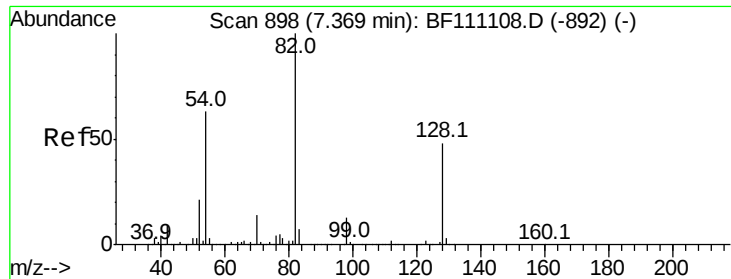
Delta R.T. -0.00 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Tgt Ion:	136	Resp:	1989530
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.6
54	9.9	8.4	12.6
68	6.7	5.0	7.4





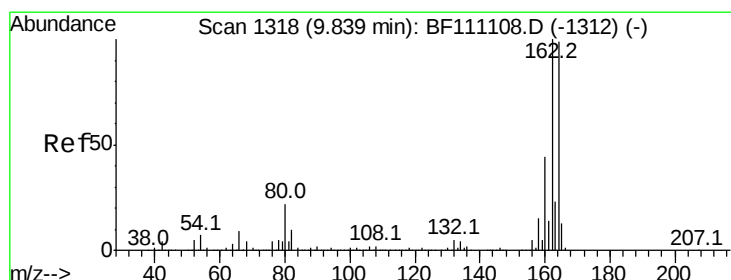
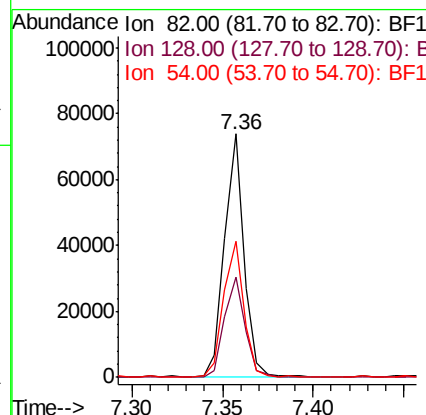
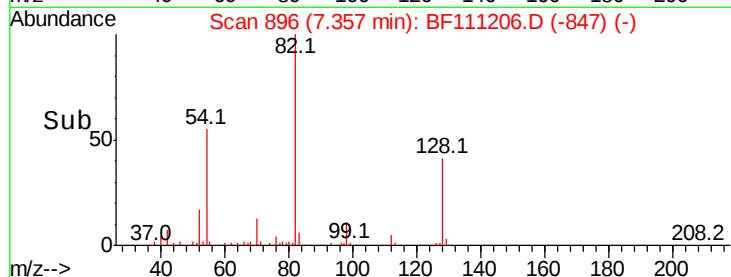
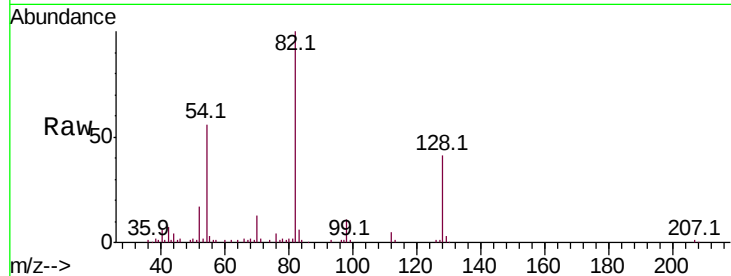
#23
 Nitrobenzene-d5
 Concen: 1.647 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Instrument :
 BNA_F
 ClientSampleID :
 SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	38.1	57.1
54	55.9	50.3	75.5

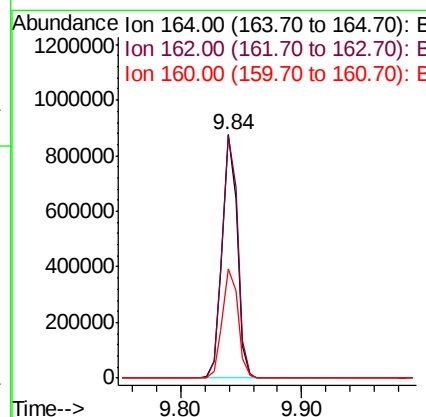
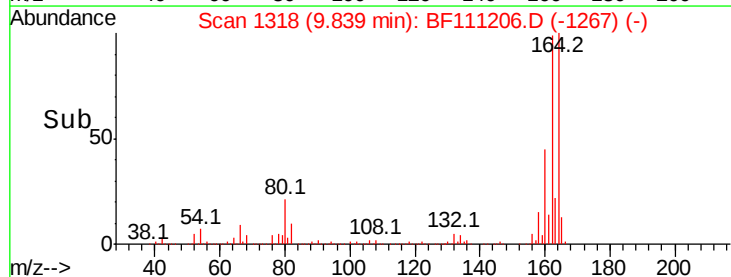
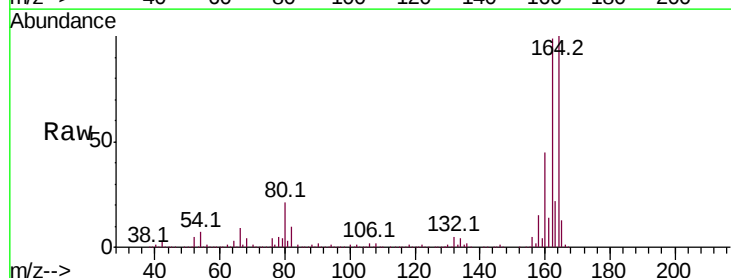
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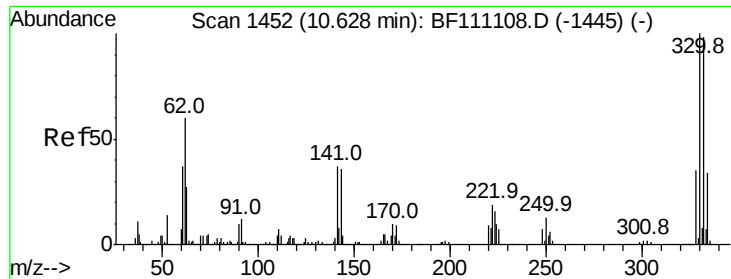
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.6	120.8
160	44.7	35.5	53.3





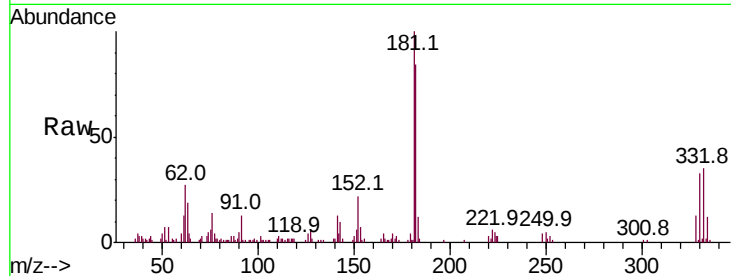
#42
2,4,6-Tribromophenol
Concen: 2.613 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.7	77.2	115.8
141	48.4	36.1	54.1

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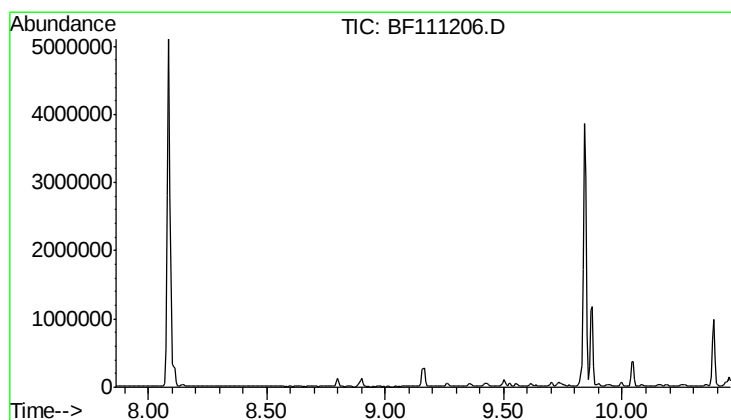
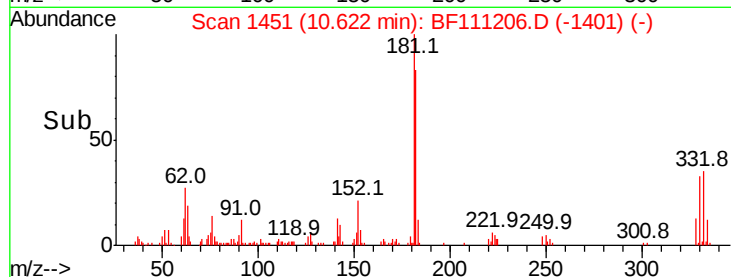
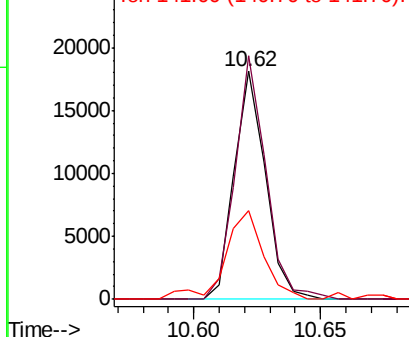


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

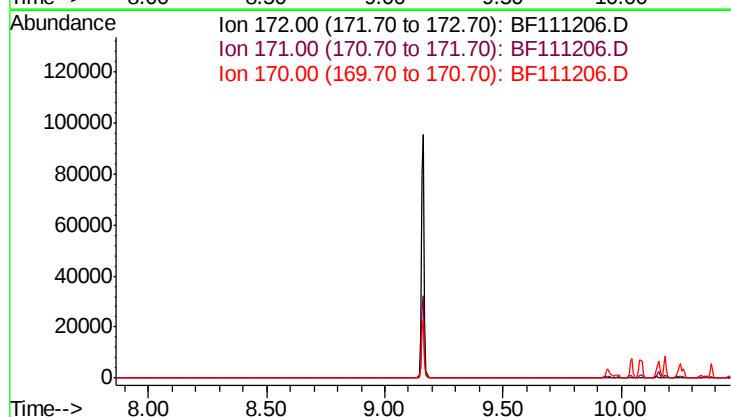
Ion 141.00 (140.70 to 141.70): E

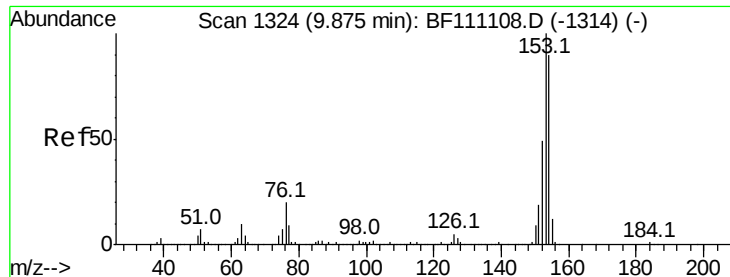


#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.16 min

Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion	Sig	Exp Ratio
172	100	
171	41.5	
170	28.6	





#52

Acenaphthene

Concen: 5.710 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

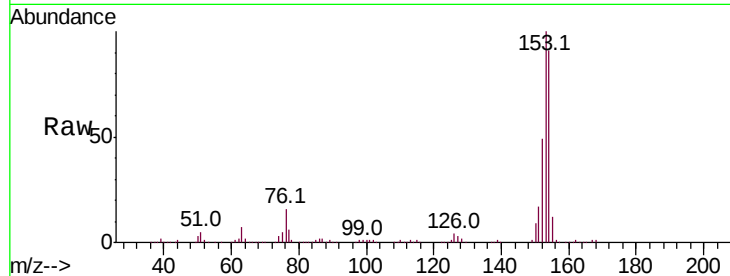
ClientSampleId :

SB-10(0-2)DL

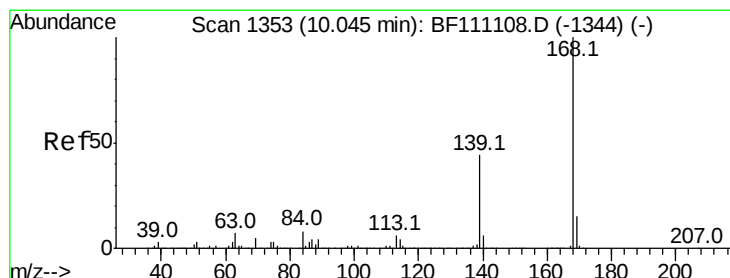
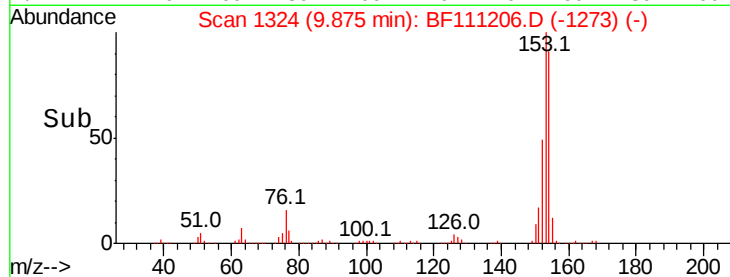
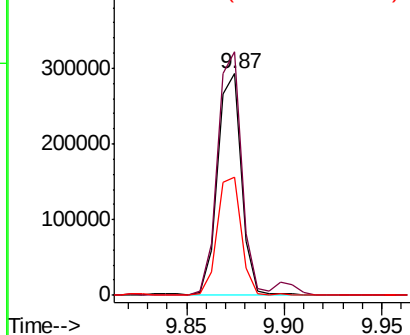
Tot Ion:	154	Resp:	249894
Ion Ratio	Lower	Upper	
154	100		
153	110.0	88.7	133.1
152	53.4	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.185 ng

RT: 10.05 min Scan# 1353

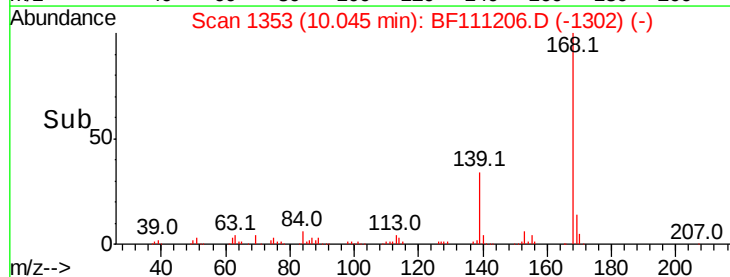
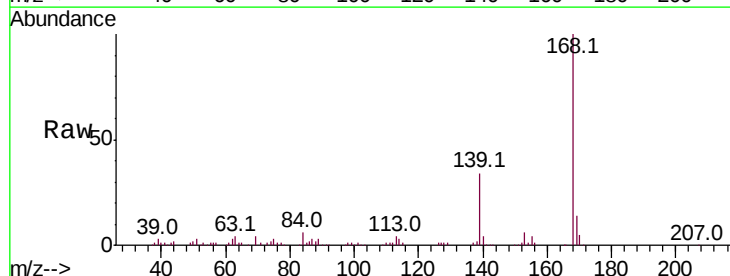
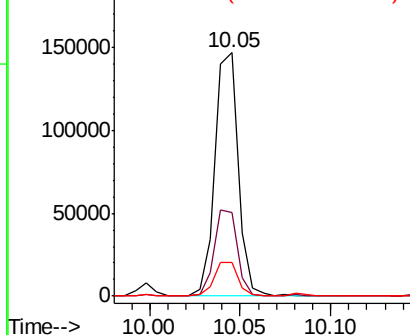
Delta R.T. -0.00 min

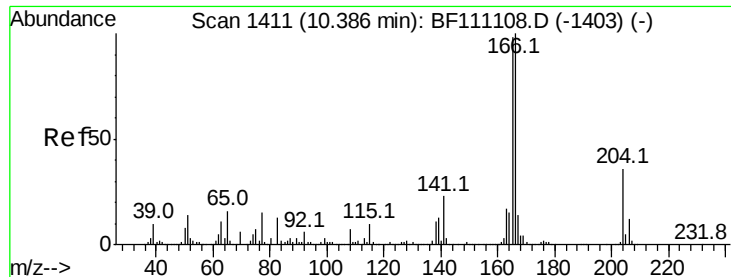
Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Tgt Ion:	168	Resp:	131686
Ion Ratio	Lower	Upper	
168	100		
139	34.2	35.1	52.7#
169	13.8	12.2	18.4

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





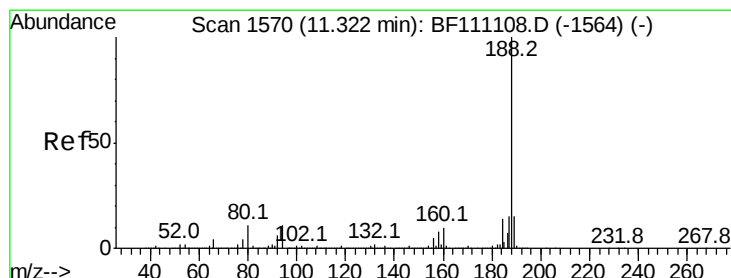
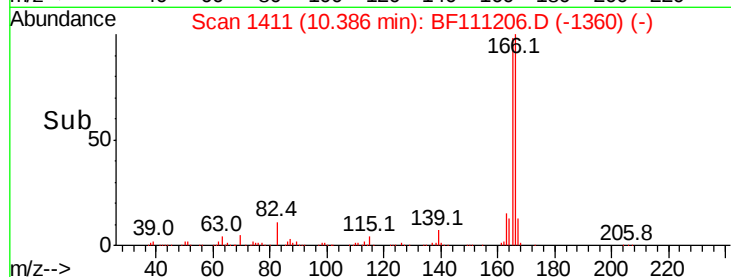
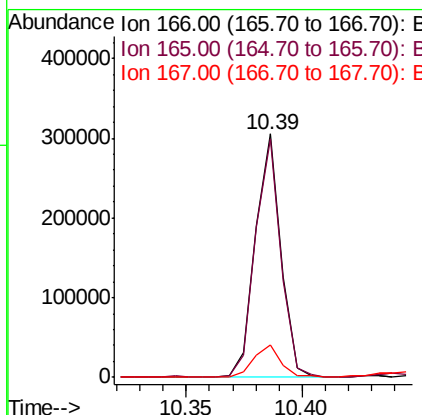
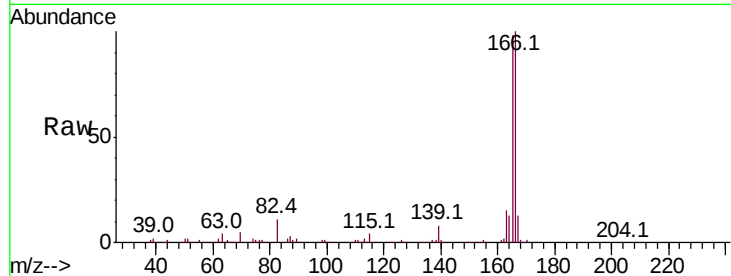
#58
Fluorene
Concen: 5.587 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.4	117.6
167	13.5	11.4	17.2

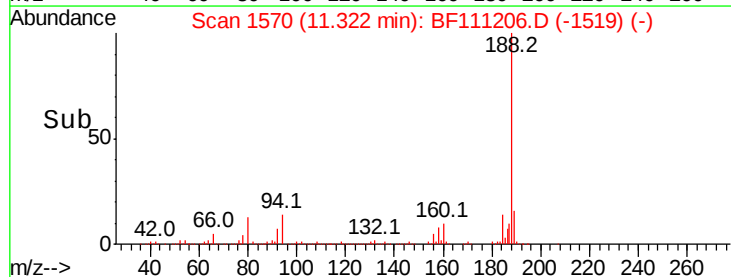
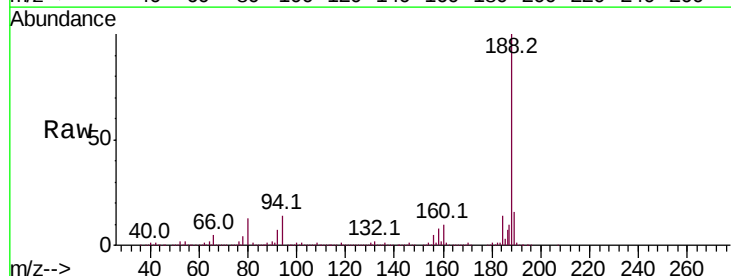
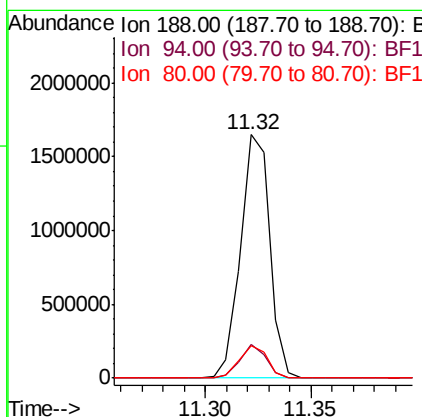
Manual Integrations
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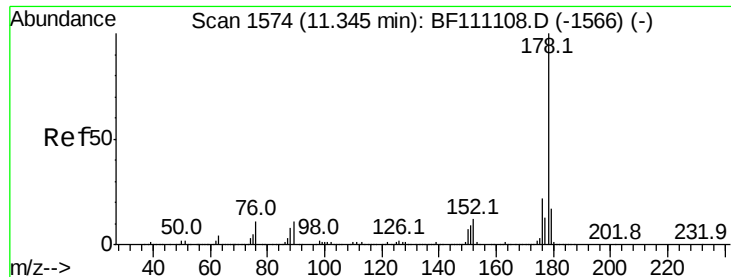
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.8	8.5	12.7#
80	13.5	9.0	13.6





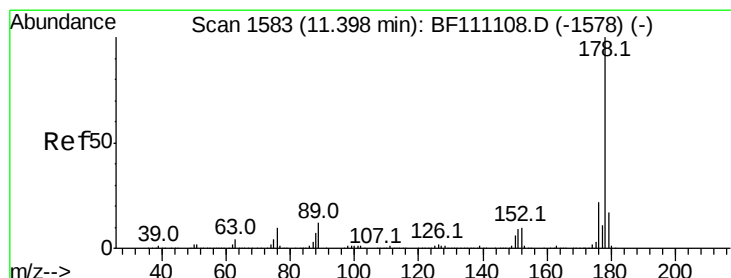
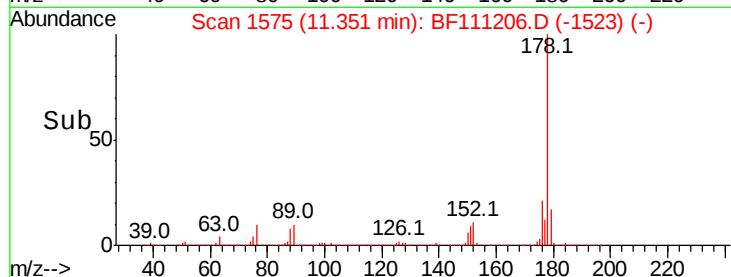
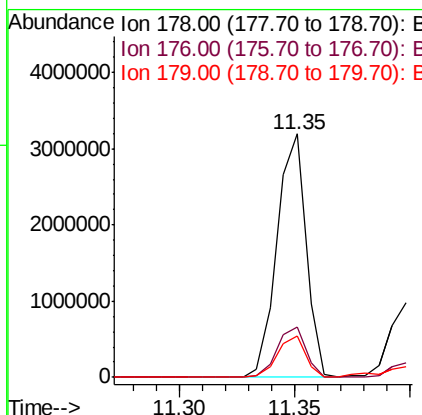
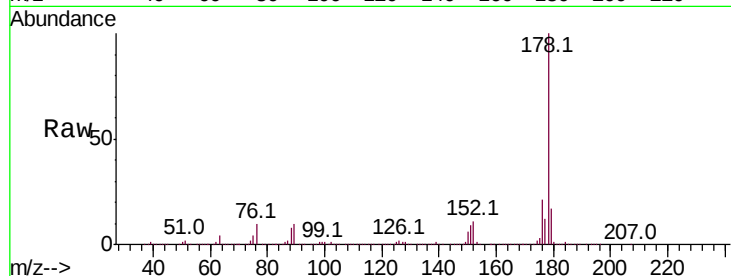
#71
Phenanthrene
Concen: 36.765 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.9	17.7	26.5
179	16.9	14.0	21.0

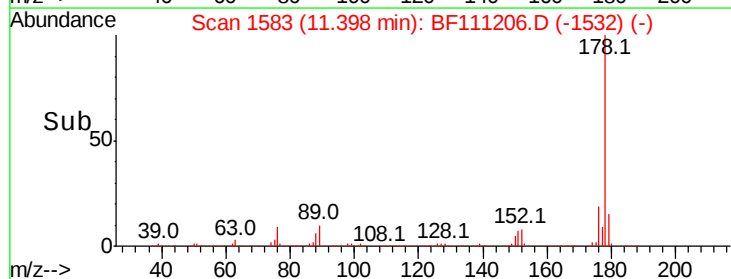
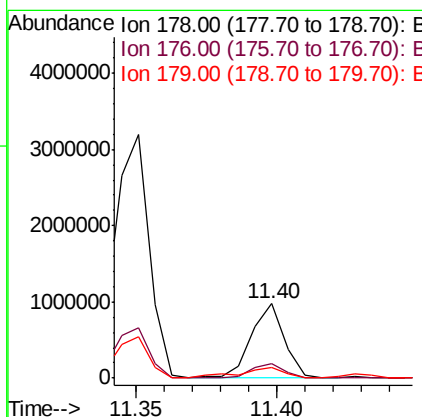
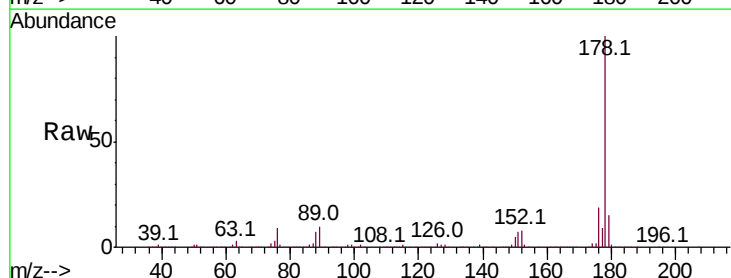
Manual Integrations
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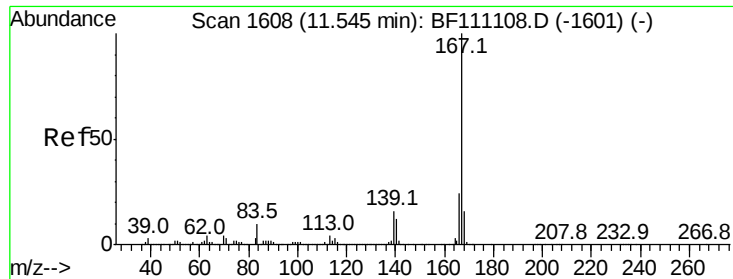
Sohil
12/11/2018 8:44:52 AM



#72
Anthracene
Concen: 10.187 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	17.3	25.9
179	15.0	13.8	20.8





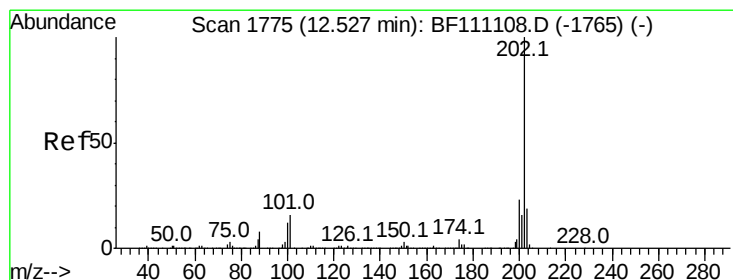
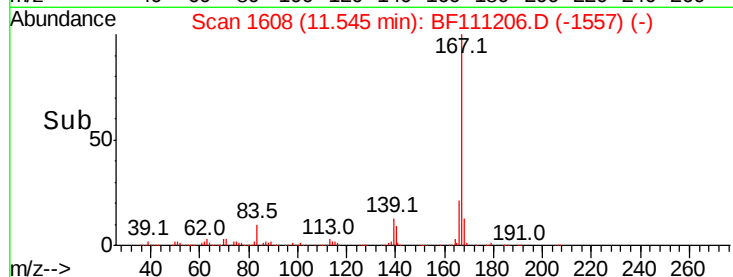
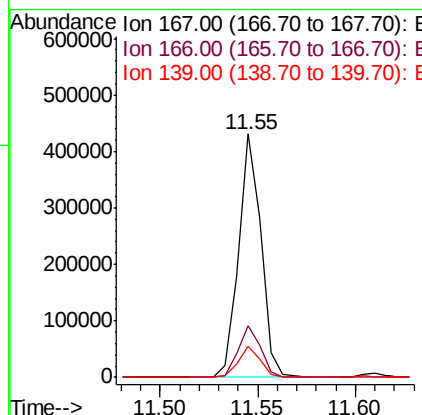
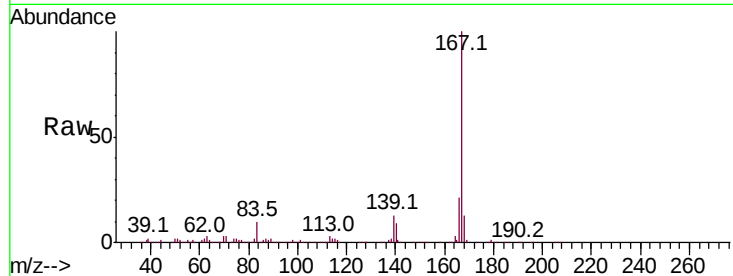
#73
 Carbazole
 Concen: 4.306 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.00 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	19.4	29.0
139	13.0	12.6	18.8

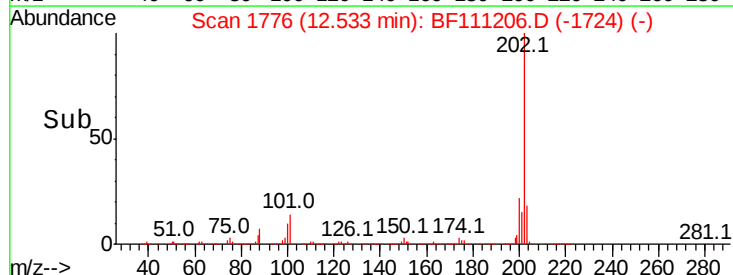
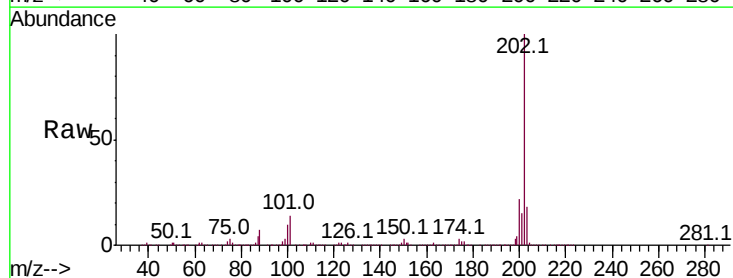
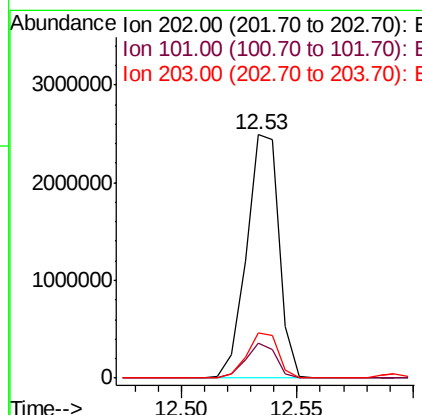
Manual Integrations
 APPROVED

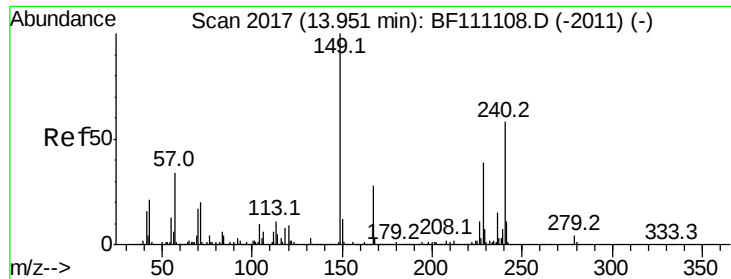
Sohil
 12/11/2018 8:44:52 AM



#75
 Fluoranthene
 Concen: 32.944 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	35.8
203	18.4	0.0	38.6





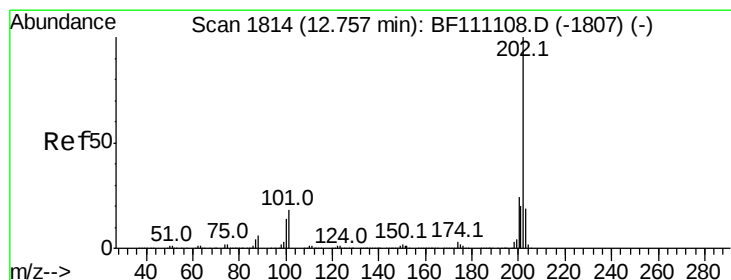
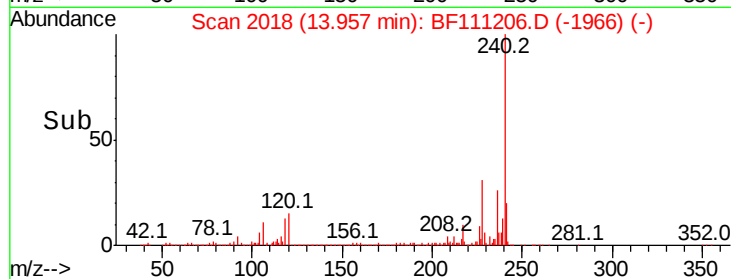
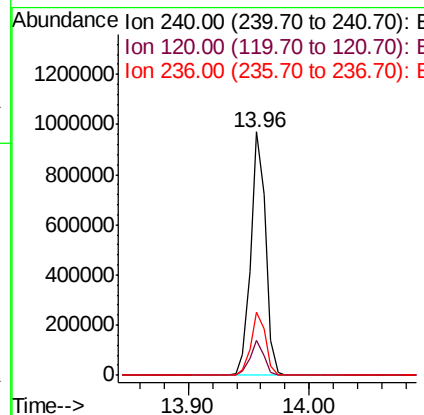
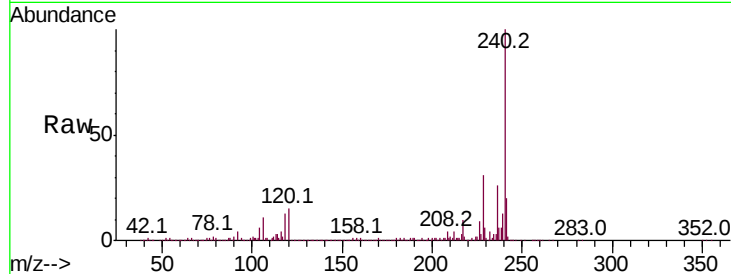
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	12.8	19.2
236	25.7	21.1	31.7

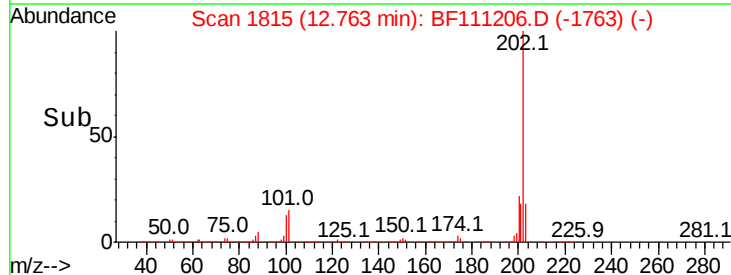
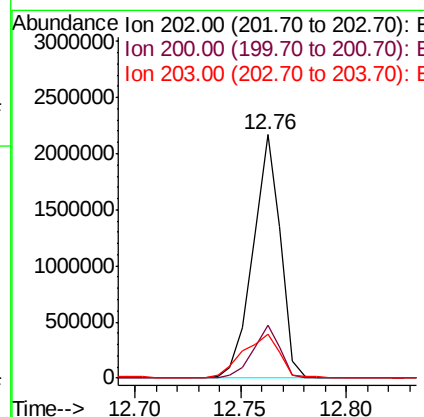
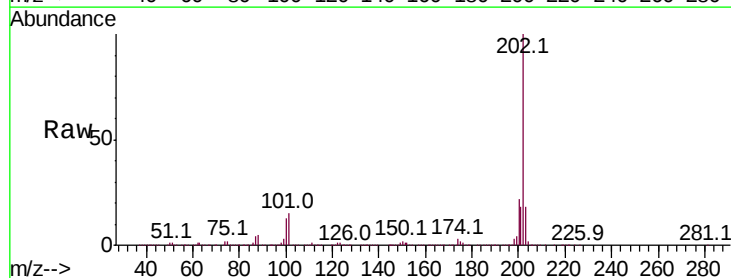
Manual Integrations
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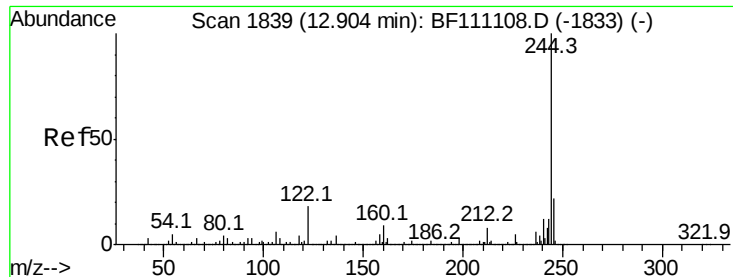
Sohil
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#78
Pyrene
Concen: 30.180 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	19.3	28.9
203	18.3	15.4	23.2





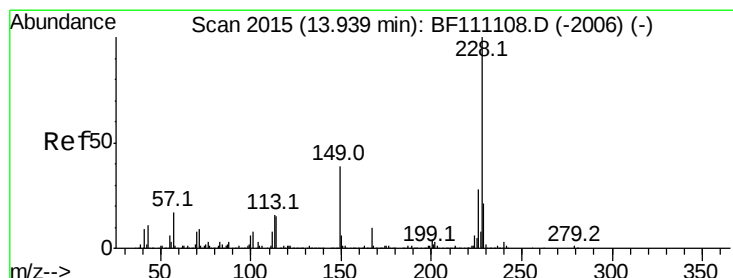
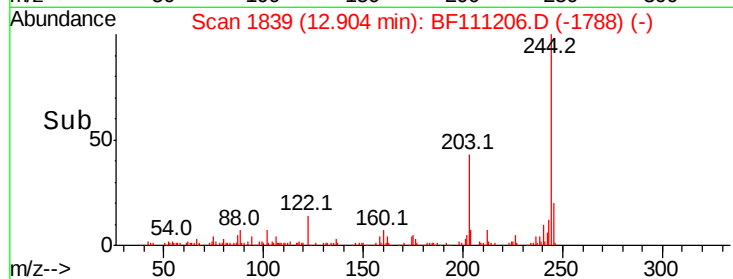
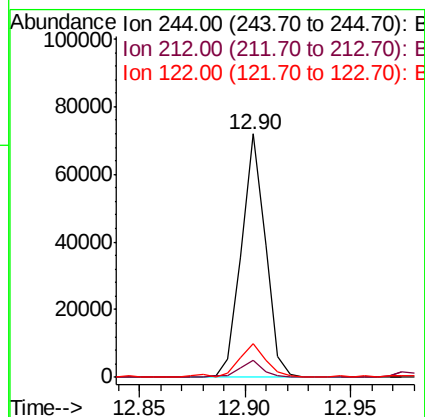
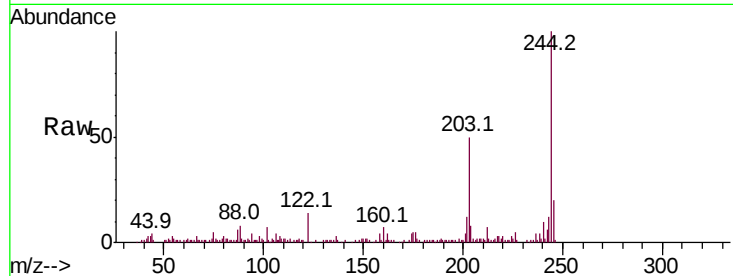
#79
 Terphenyl-d14
 Concen: 1.386 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Instrument :
 BNA_F
 ClientSampleID :
 SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.6	9.8
122	13.7	14.2	21.2#

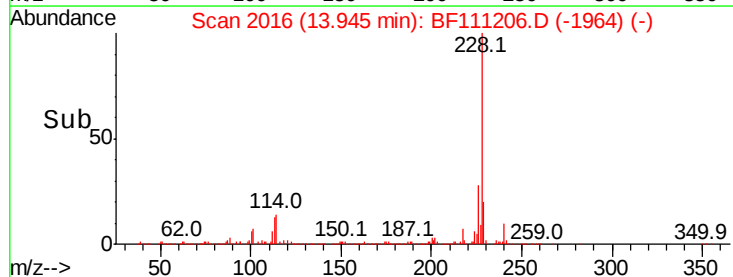
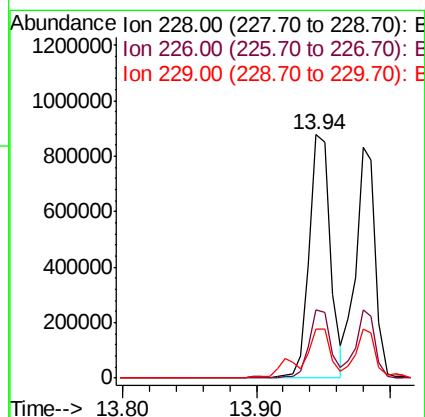
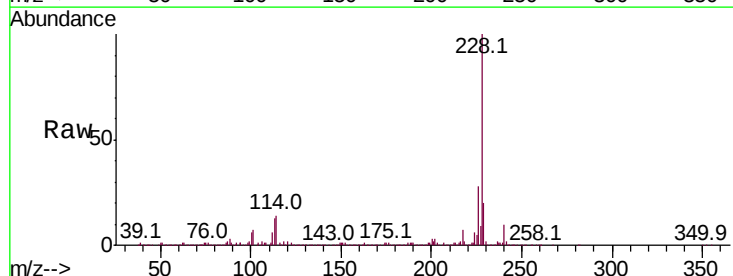
Manual Integrations
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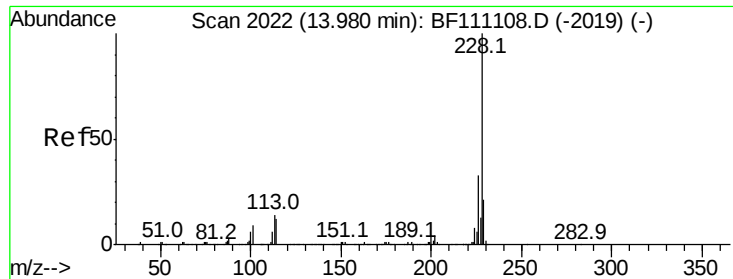
Sohil
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#81
 Benzo(a)anthracene
 Concen: 19.373 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	34.0
229	20.2	16.7	25.1





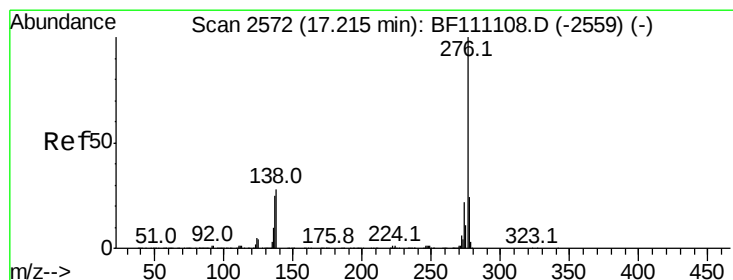
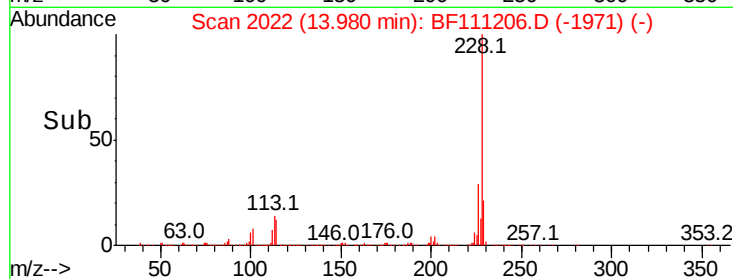
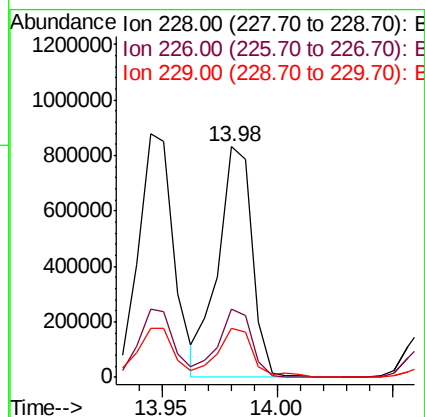
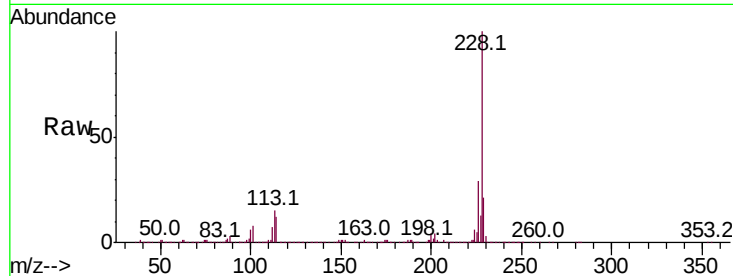
#83
Chrysene
Concen: 17.582 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampleID :
SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	26.2	39.2
229	21.2	16.9	25.3

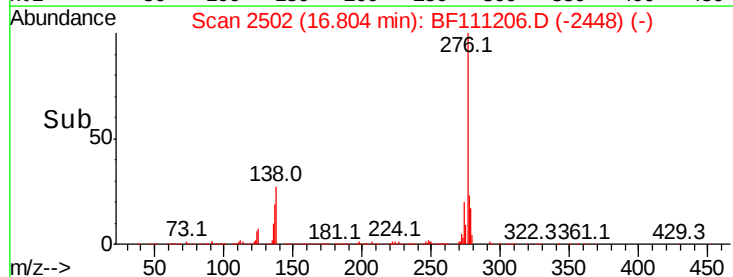
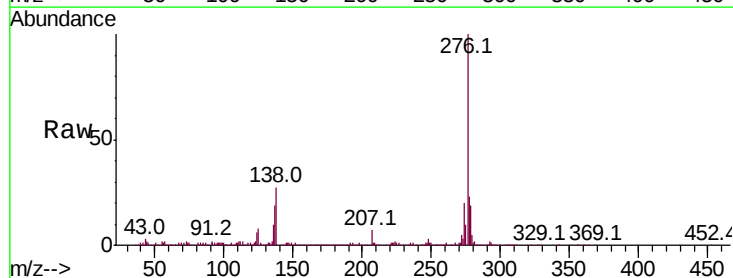
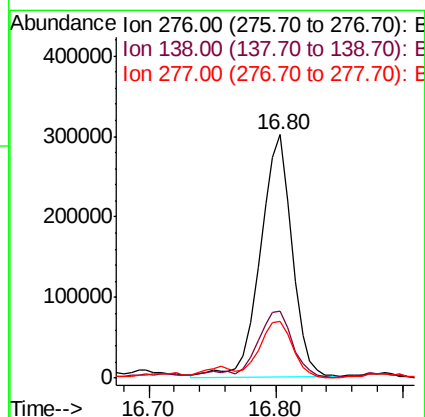
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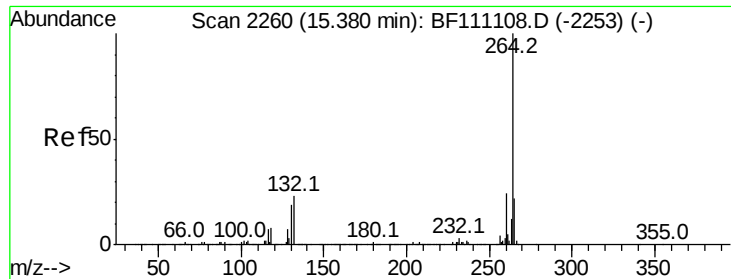
Sohil
12/11/2018 8:44:52 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 13.448 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.02 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.3	20.2	30.4#
277	23.9	15.8	23.6#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.02 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

ClientSampleId :

SB-10(0-2)DL

Tot Ion:264 Resp: 1156815

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

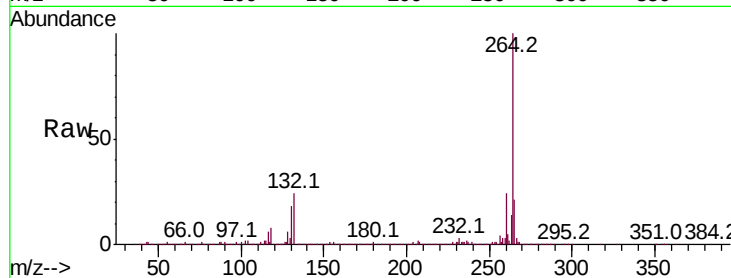
265 21.0 17.4 26.0

Manual Integrations

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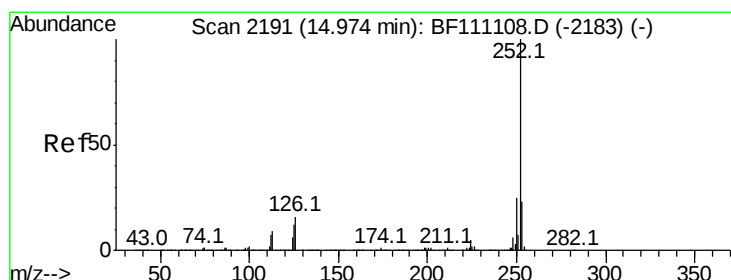
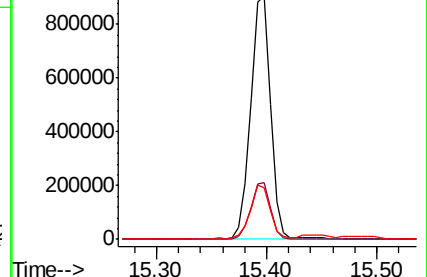
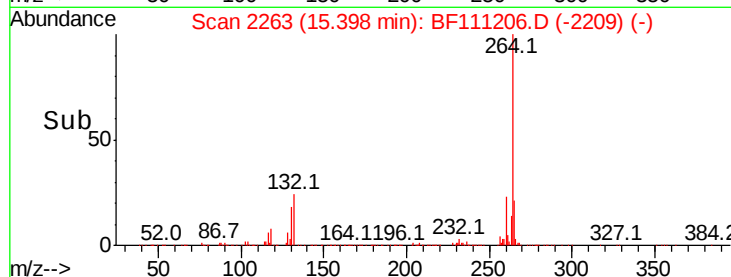
12/11/2018 8:44:52 AM



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: 21.869 ng m

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

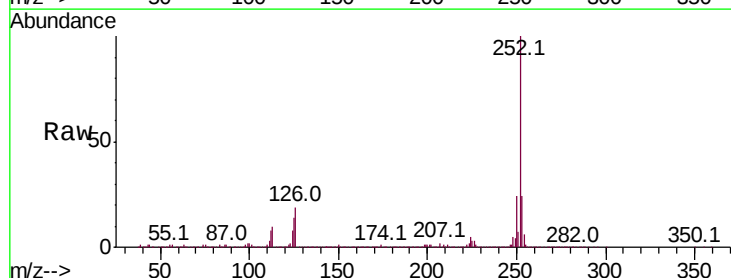
Tgt Ion:252 Resp: 1433536

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

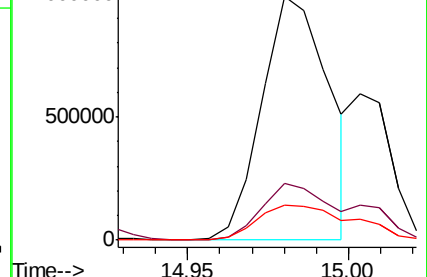
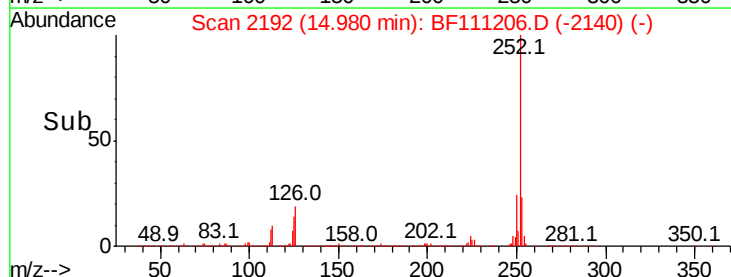
125 14.4 9.9 14.9

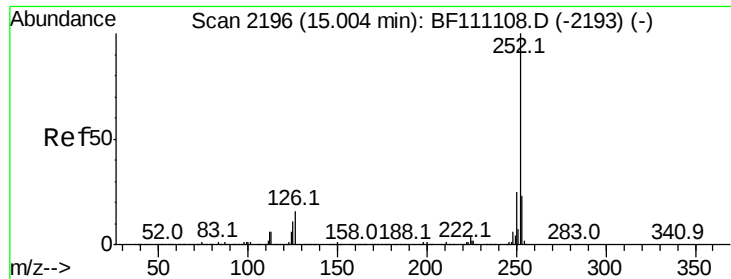


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





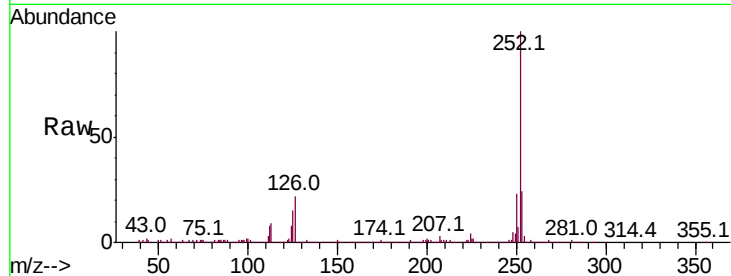
#89
Benzo(k)fluoranthene
Concen: 7.838 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampled :
SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.4
125	14.6	9.9	14.9

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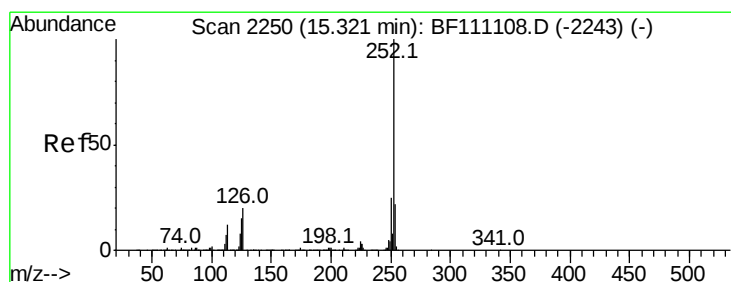
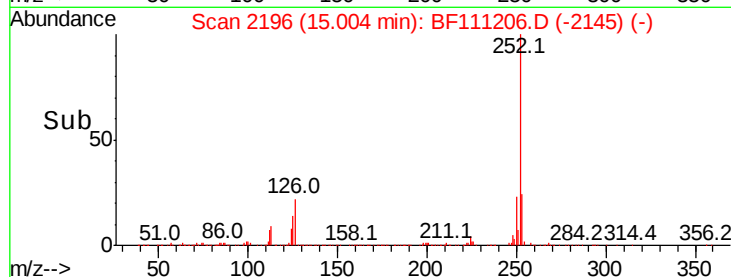
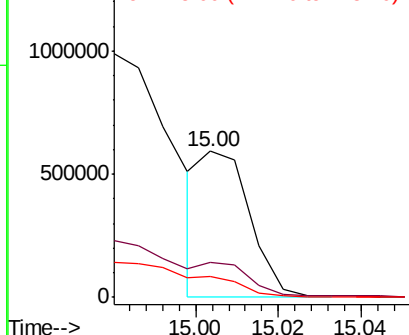


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 16.461 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

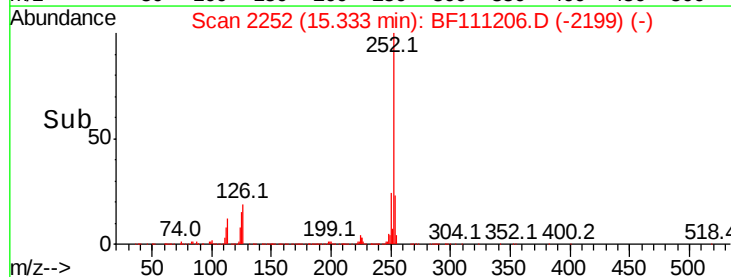
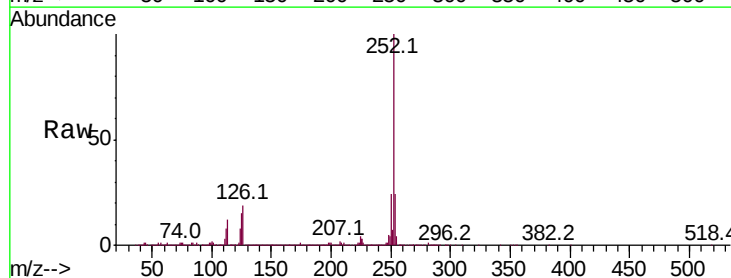
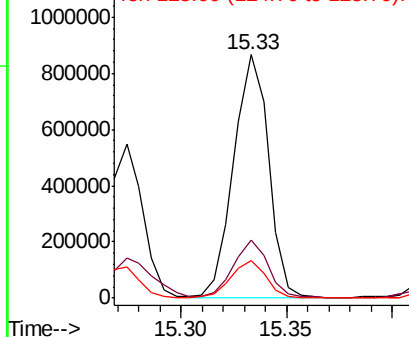
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	15.4	12.4	18.6

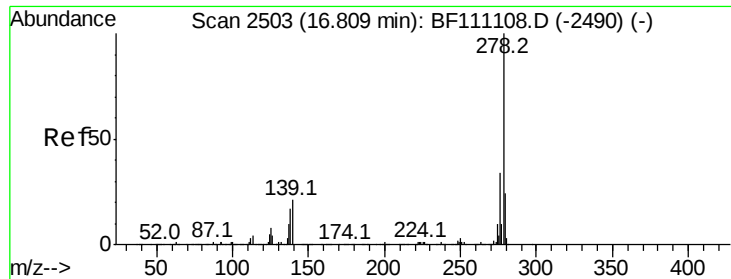
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





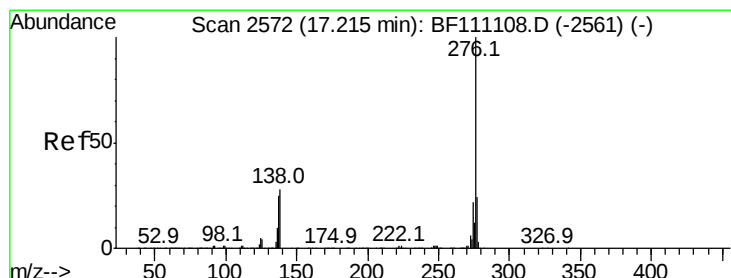
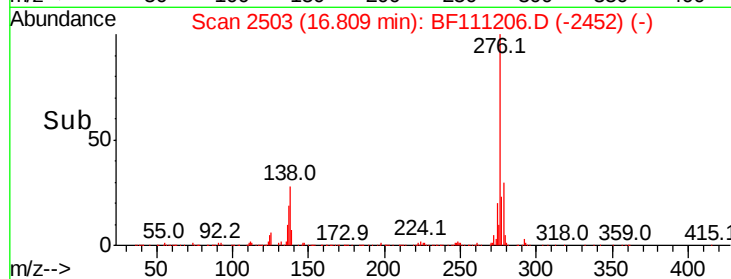
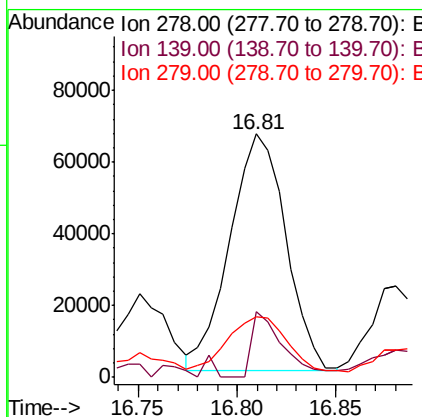
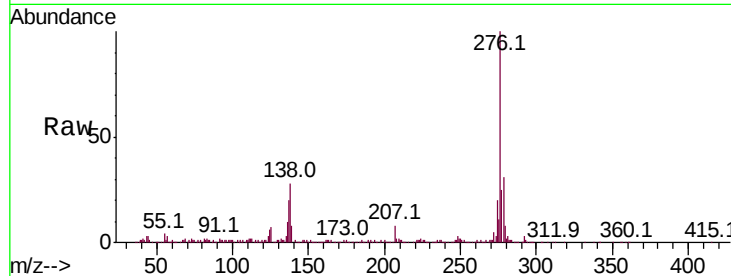
#91
Dibenzo(a,h)anthracene
Concen: 2.559 ng m
RT: 16.81 min Scan# 2503
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.7	16.6	25.0#
279	24.9	18.8	28.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 8.431 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.3	28.9
138	27.3	22.3	33.5

