

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
 Data File : BF110326.D
 Acq On : 31 Oct 2018 12:18
 Operator : JU/SJ
 Sample : J5711-05DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DL

Manual Integrations
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Sohil
 11/1/2018 10:45:53 AM

Quant Time: Oct 31 14:44:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	85377	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	357891	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	166793	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	289927	20.00	ng	0.00
76) Chrysene-d12	14.17	240	183336	20.00	ng	0.01
87) Perylene-d12	15.71	264	184225	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	231443	44.14	ng	0.00
7) Phenol-d6	6.59	99	294388	43.90	ng	0.00
23) Nitrobenzene-d5	7.53	82	183399	30.39	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	64228	38.87	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	322830	30.39	ng	0.00
79) Terphenyl-d14	13.09	244	246339	27.94	ng	0.00
Target Compounds						
10) Phenol	6.60	94	14608	2.038	ng	Qvalue # 73
31) Naphthalene	8.27	128	67858	4.114	ng	100
50) Dimethylphthalate	9.72	163	52727	4.282	ng	99
52) Acenaphthene	10.05	154	76647	7.250	ng	97
55) Dibenzofuran	10.22	168	61708	4.169	ng	95
58) Fluorene	10.56	166	63313	5.748	ng	98
71) Phenanthrene	11.54	178	872255	57.497	ng	100
72) Anthracene	11.59	178	222459	14.630	ng	99
73) Carbazole	11.74	167	66225	4.461	ng	97
75) Fluoranthene	12.74	202	838969	54.492	ng	97
78) Pyrene	12.97	202	719809	54.765	ng	99
81) Benzo(a)anthracene	14.16	228	288029	26.492	ng	97
83) Chrysene	14.19	228	238619	23.107	ng	97
86) Indeno(1,2,3-cd)pyrene	17.29	276	198574	23.180	ng	96
88) Benzo(b)fluoranthene	15.24	252	371806m	34.950	ng	
89) Benzo(k)fluoranthene	15.27	252	82053m	7.846	ng	
90) Benzo(a)pyrene	15.64	252	284208	29.033	ng	98
91) Dibenzo(a,h)anthracene	17.30	278	45489m	5.386	ng	
92) Benzo(a,h,i)perylene	17.78	276	200357	24.072	ng	99

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

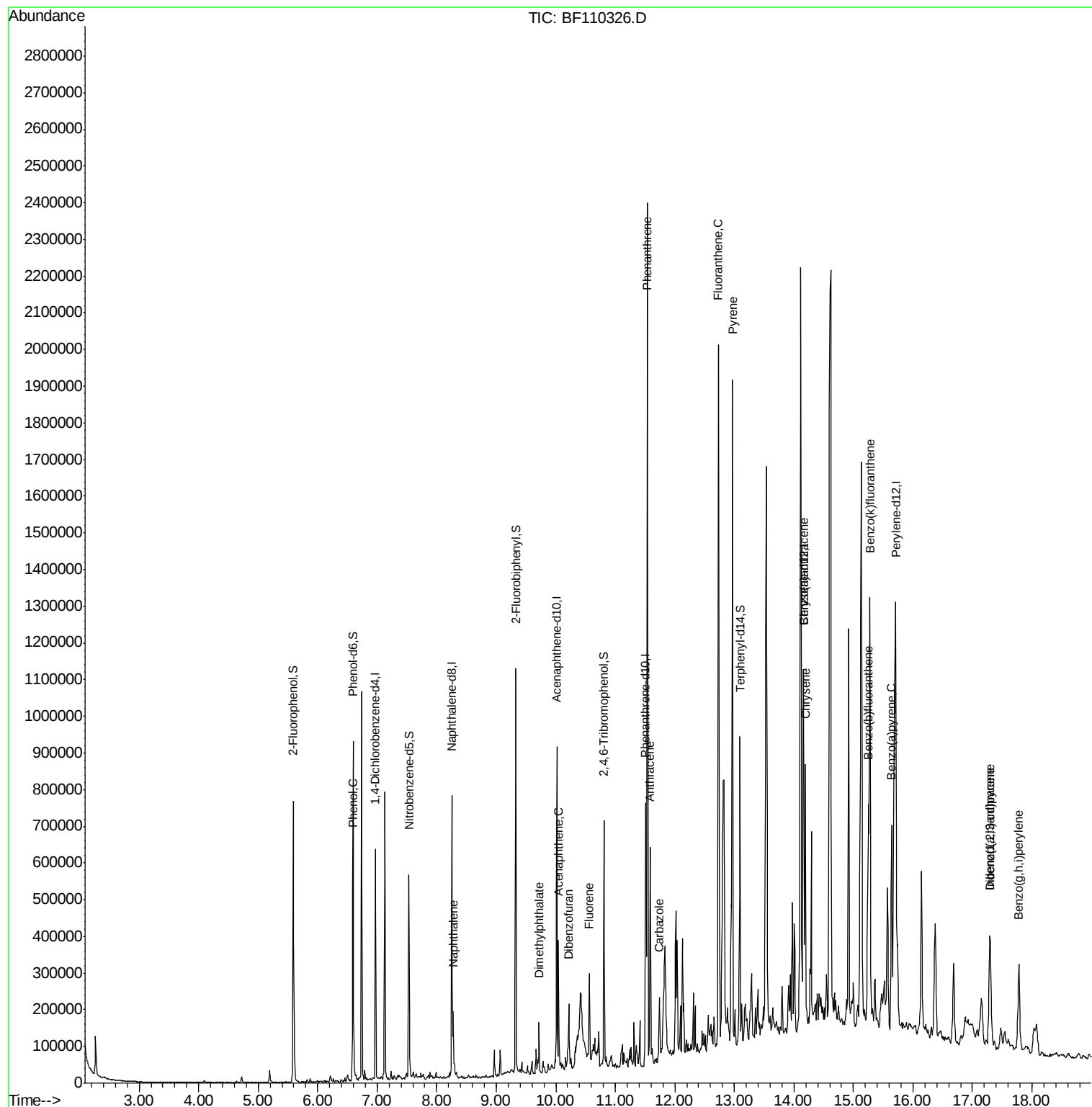
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
Data File : BF110326.D
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QLast Update : Mon Oct 29 17:29:00 2018
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#1

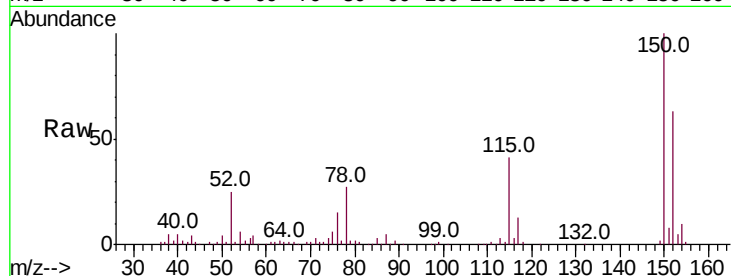
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampled :
SB-6DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	122.7	184.1
115	64.8	49.1	73.7

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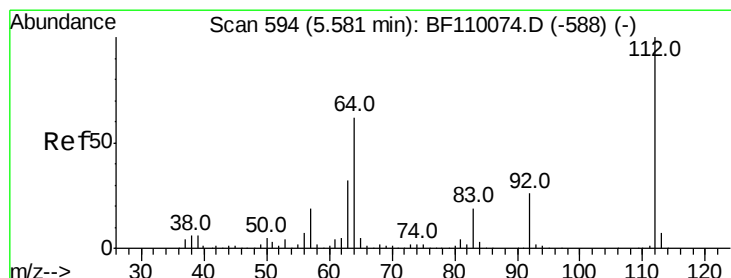
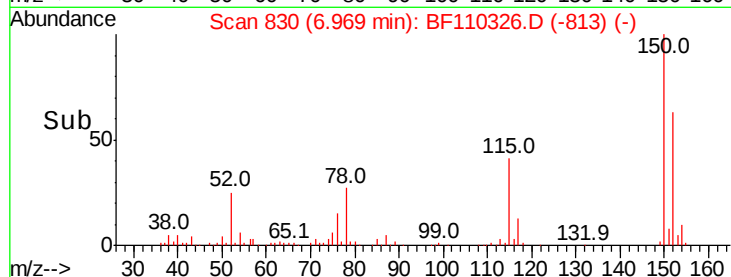
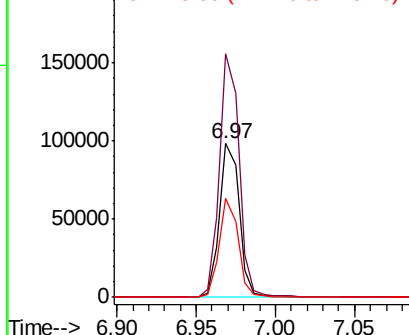


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

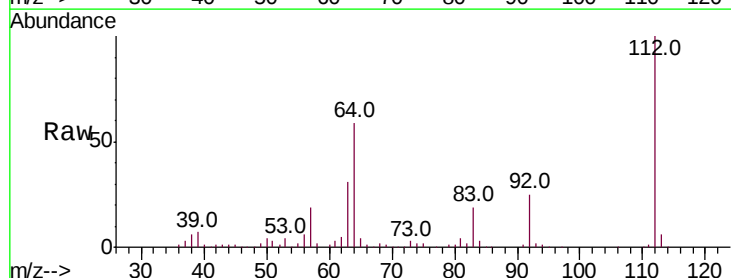
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.145 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	44.1	66.1
63	31.3	23.7	35.5

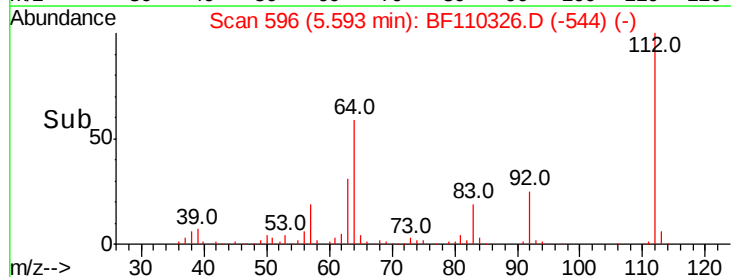
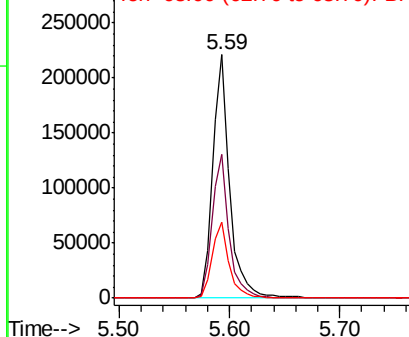


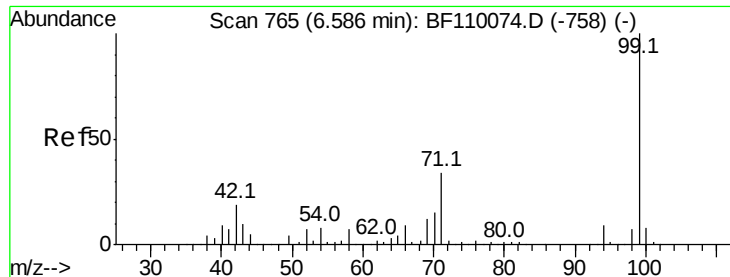
Abundance

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: 43.899 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF110326.D

Acq: 31 Oct 2018 12:18

Instrument :

BNA_F

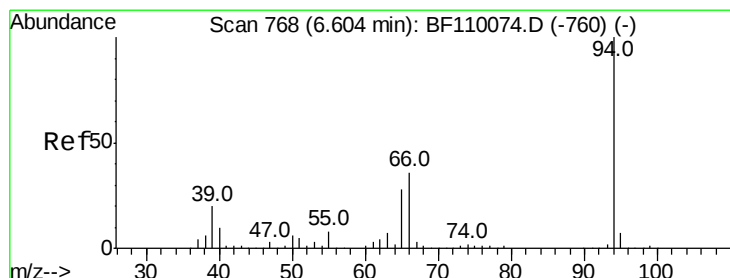
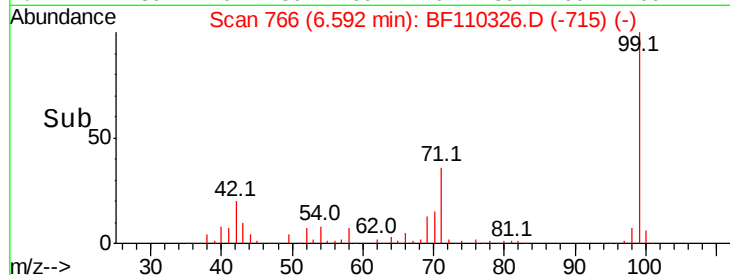
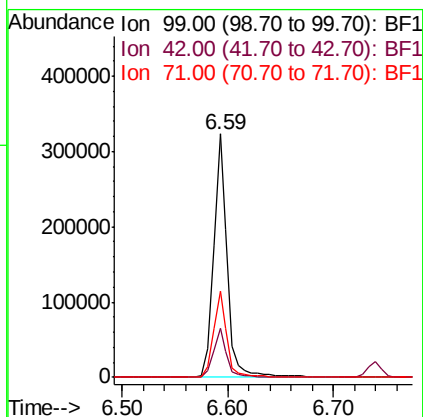
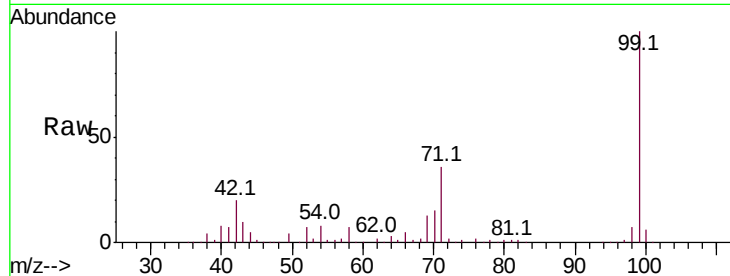
ClientSampled :

SB-6DL

Tot Ion:	99	Resp:	294388
Ion Ratio	Lower	Upper	
99	100		
42	19.9	15.8	23.6
71	35.6	28.0	42.0

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#10

Phenol

Concen: 2.038 ng

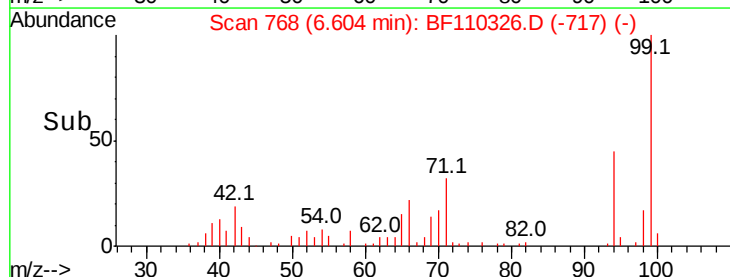
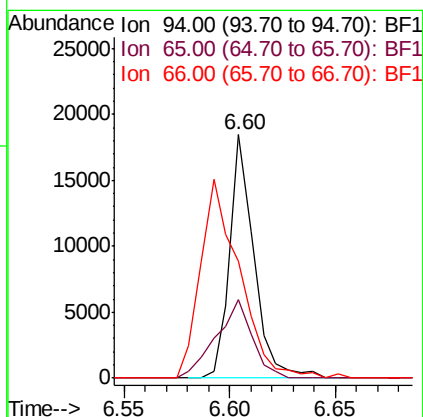
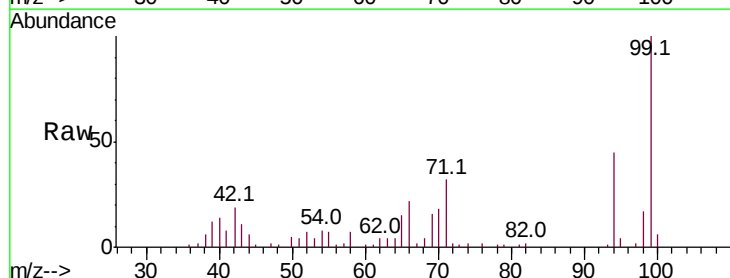
RT: 6.60 min Scan# 768

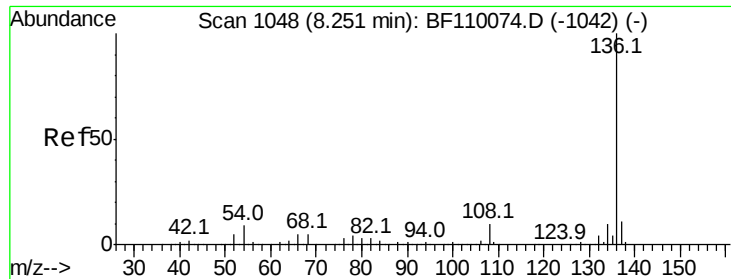
Delta R.T. 0.00 min

Lab File: BF110326.D

Acq: 31 Oct 2018 12:18

Tgt Ion:	94	Resp:	14608
Ion Ratio	Lower	Upper	
94	100		
65	32.4	25.3	65.3
66	47.9	54.5	94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF110326.D

Acq: 31 Oct 2018 12:18

Instrument :

BNA_F

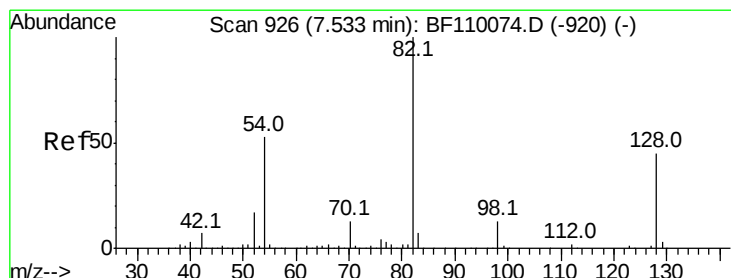
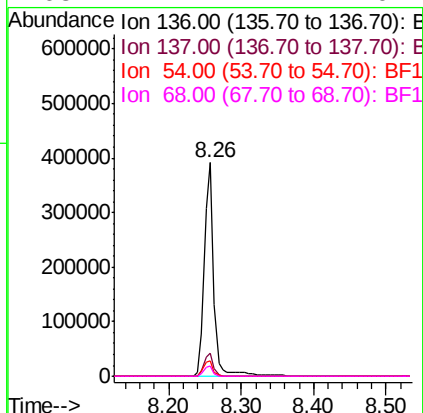
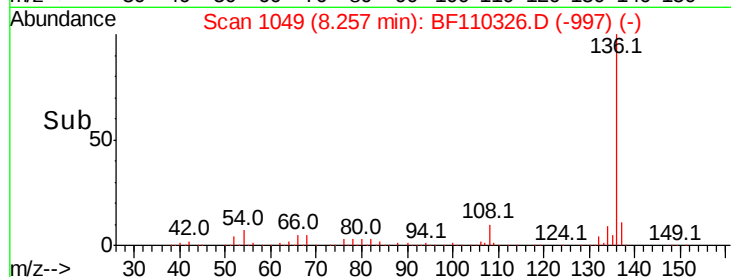
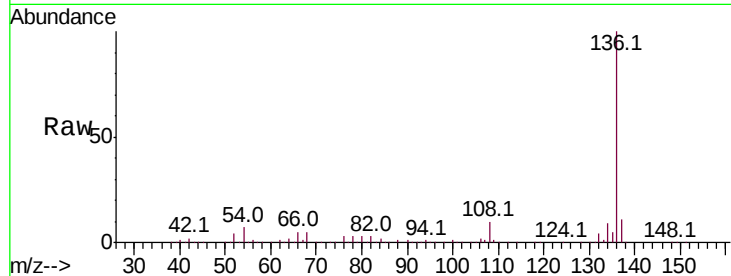
ClientSampled :

SB-6DL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.8	13.2	
54	7.4	5.4	8.2	
68	4.7	4.2	6.2	

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#23

Nitrobenzene-d5

Concen: 30.395 ng

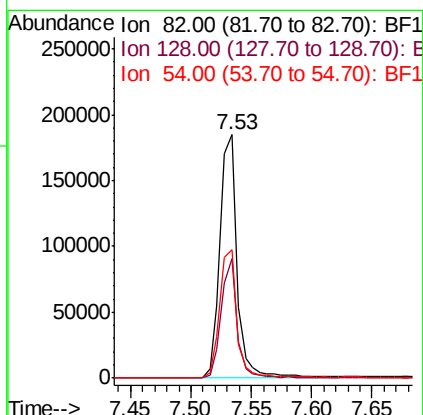
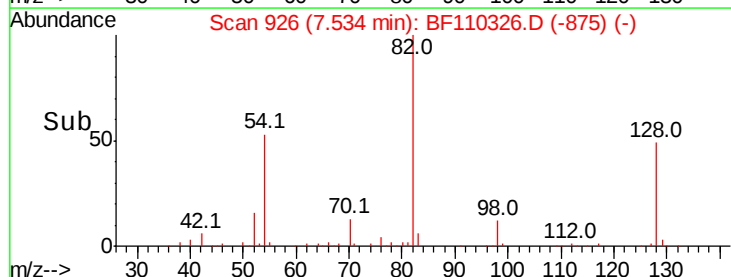
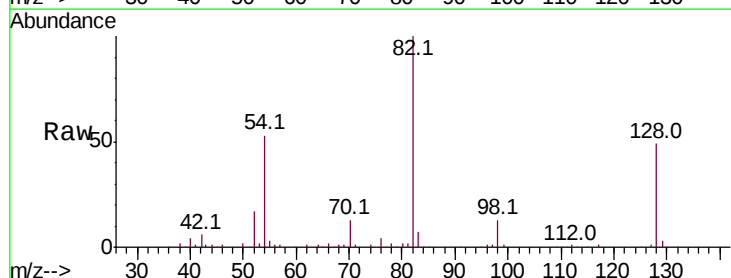
RT: 7.53 min Scan# 926

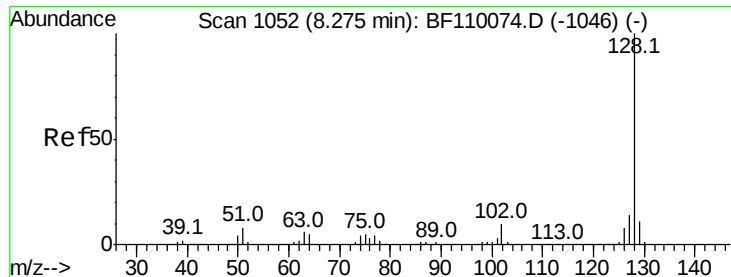
Delta R.T. 0.00 min

Lab File: BF110326.D

Acq: 31 Oct 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.9	34.2	51.2	
54	52.5	38.6	58.0	





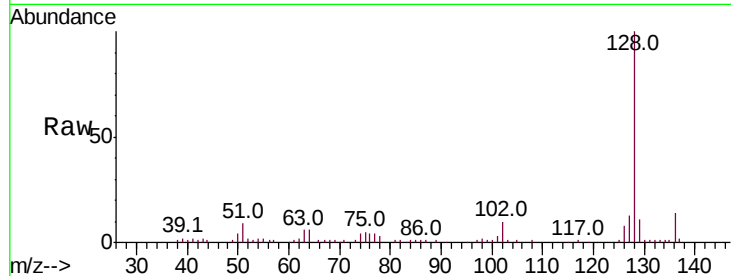
#31
Naphthalene
Concen: 4.114 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampled :
SB-6DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.8	16.2

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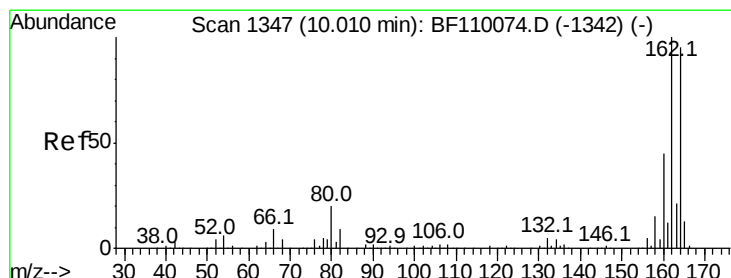
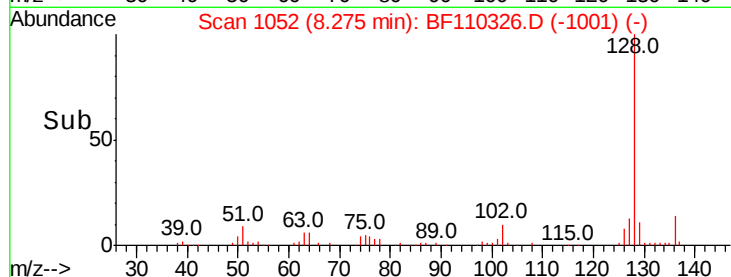
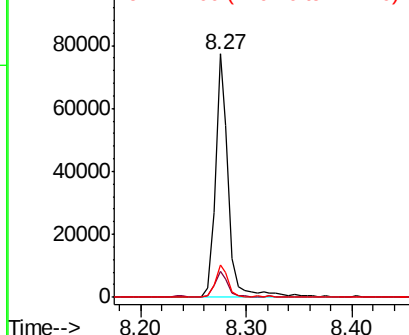


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

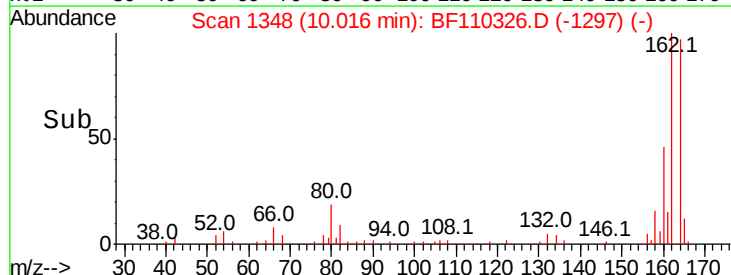
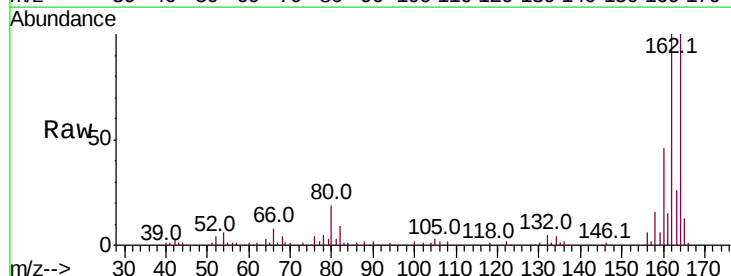
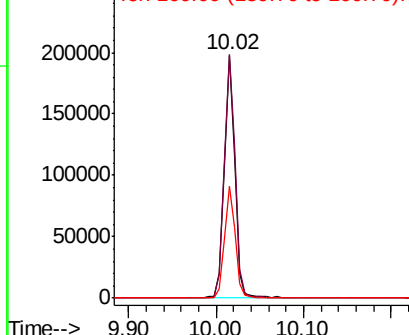
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	83.0	124.6
160	46.0	37.0	55.6

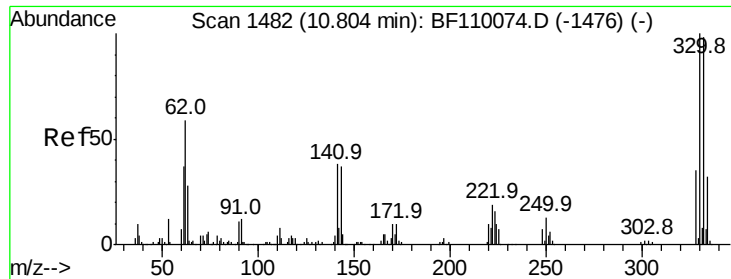
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





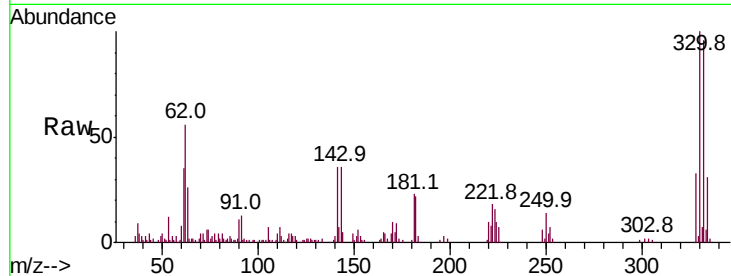
#42
 2,4,6-Tribromophenol
 Concen: 38.874 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF110326.D
 Acq: 31 Oct 2018 12:18

Instrument :
 BNA_F
 ClientSampleID :
 SB-6DL

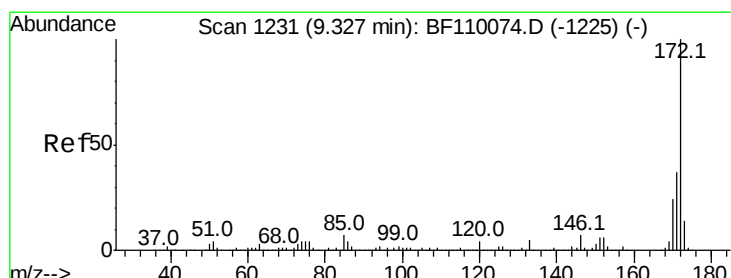
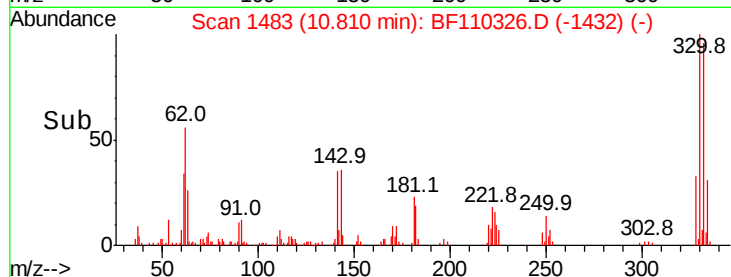
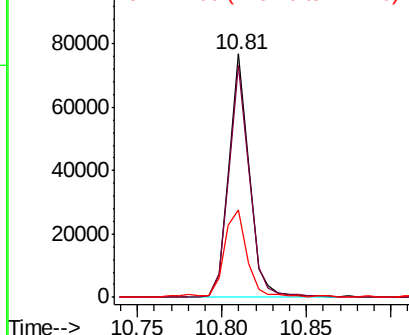
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	42.5	27.0	40.4

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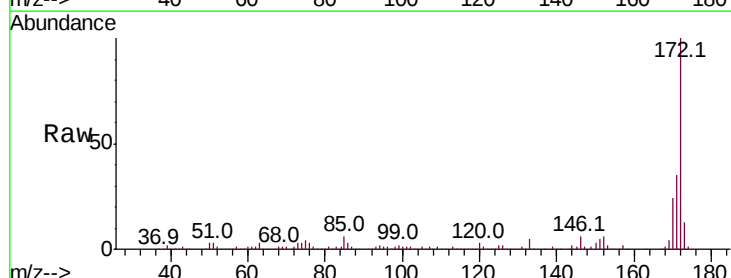


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

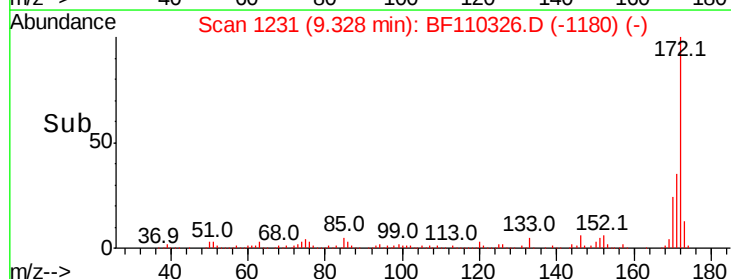
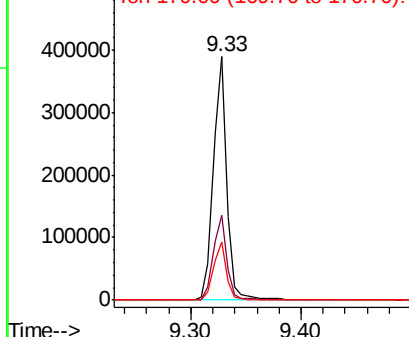


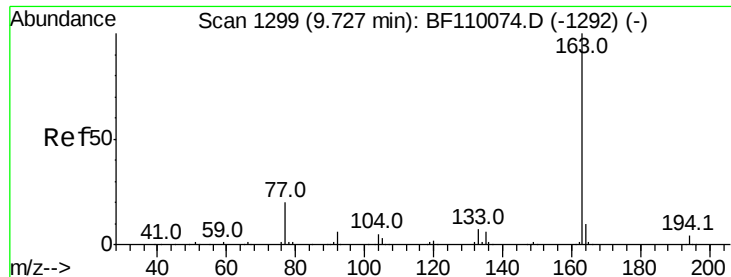
#45
 2-Fluorobiphenyl
 Concen: 30.393 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF110326.D
 Acq: 31 Oct 2018 12:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	23.6	19.7	29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





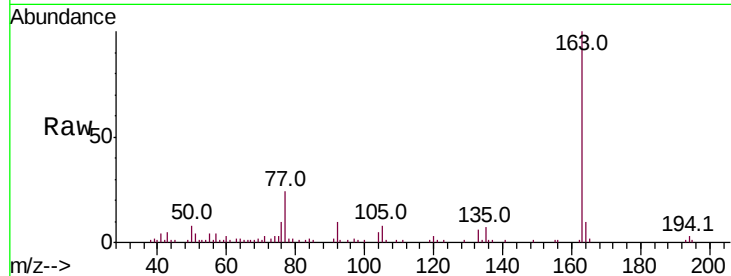
#50
Dimethylphthalate
Concen: 4.282 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampled :
SB-6DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.2	4.8
164	10.3	8.1	12.1

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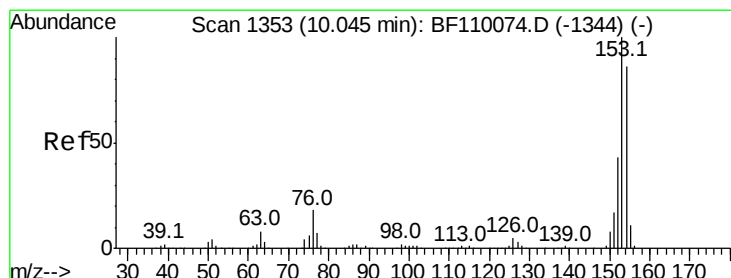
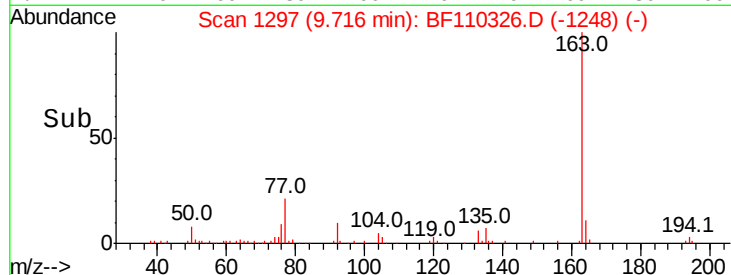
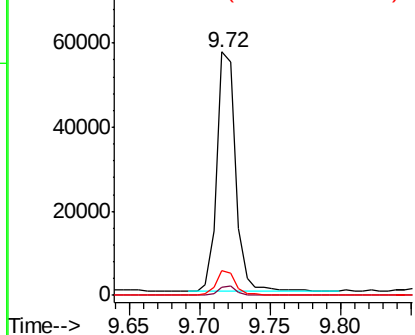


Abundance

Ion 163.00 (162.70 to 163.70): E

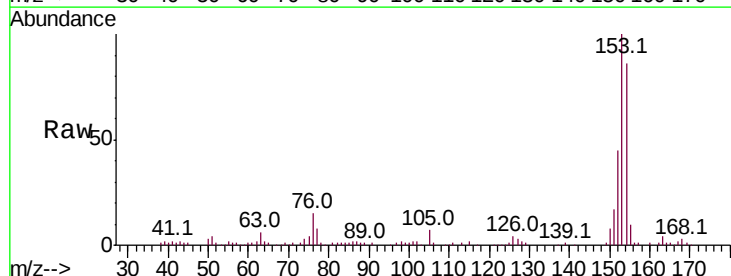
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 7.250 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.5	90.1	135.1
152	52.5	43.4	65.2

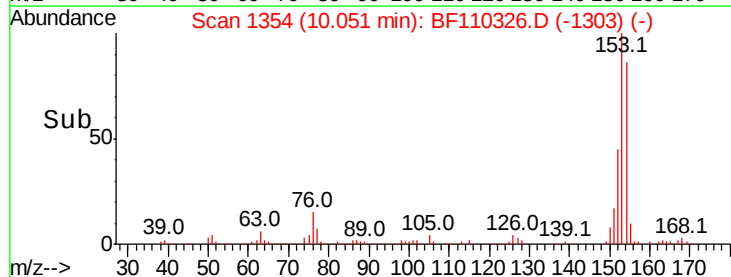
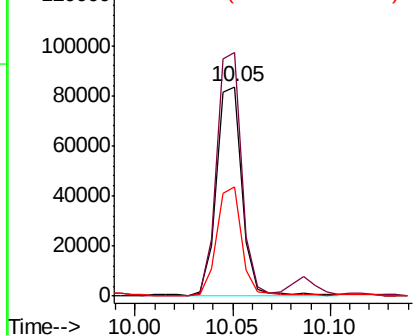


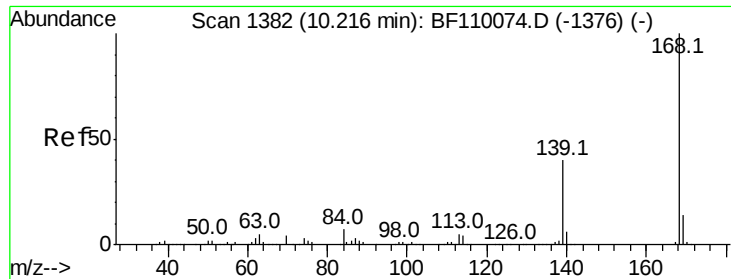
Abundance

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





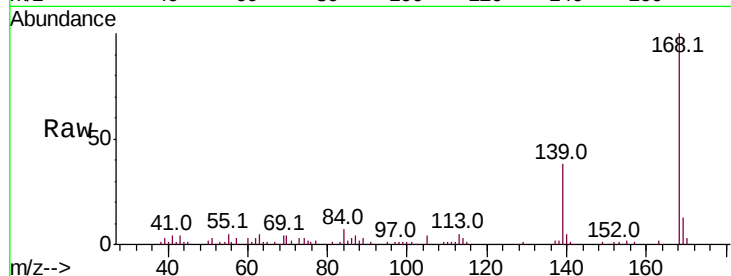
#55
Dibenzenofuran
Concen: 4.169 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampled :
SB-6DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	33.0	49.6
169	12.9	11.3	16.9

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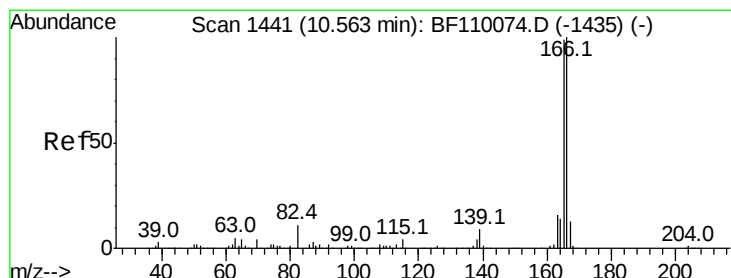
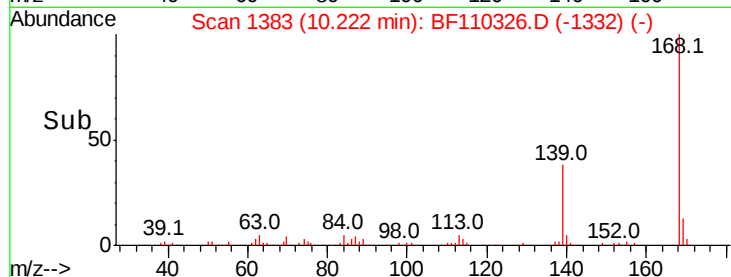
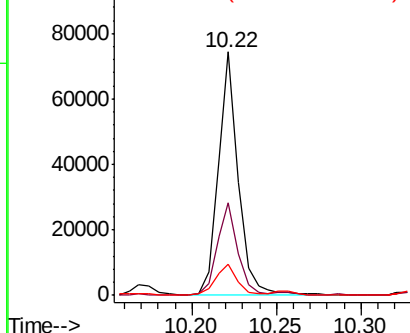


Abundance

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: 5.748 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

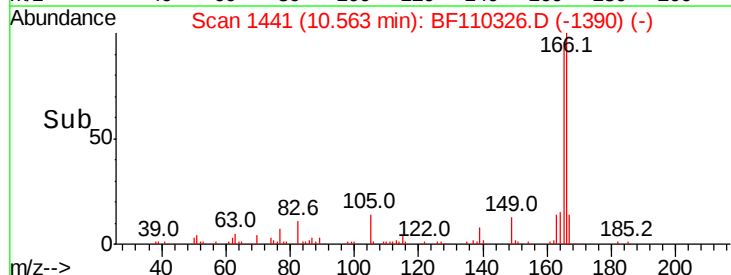
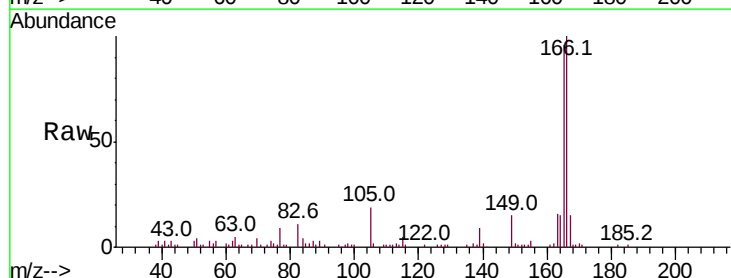
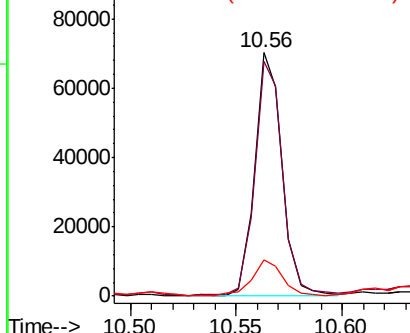
Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	78.6	117.8
167	15.1	10.8	16.2

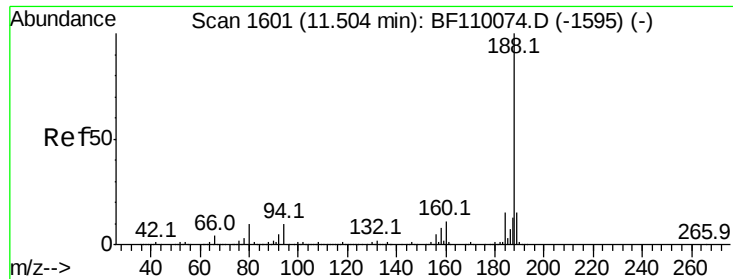
Abundance

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





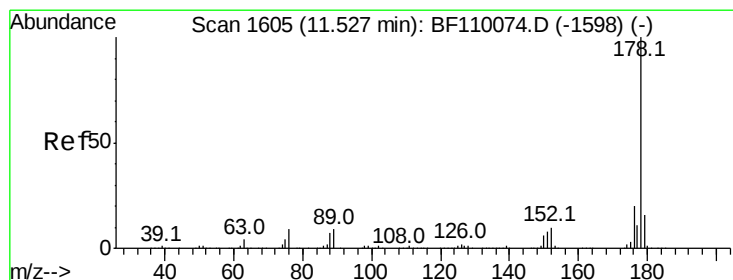
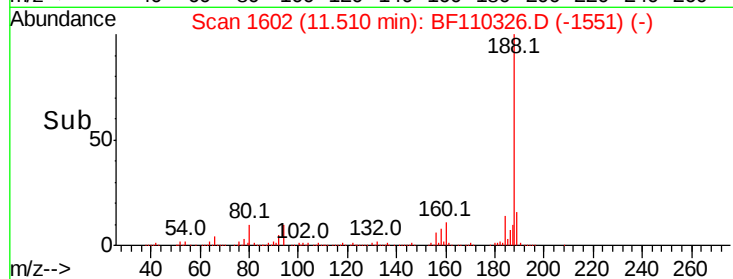
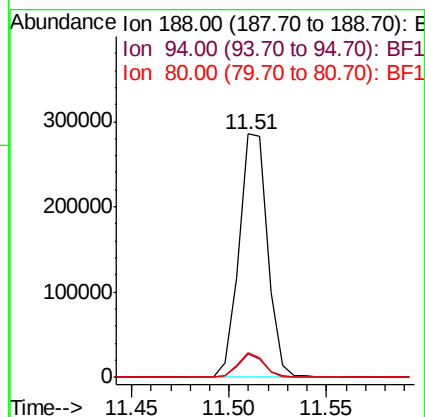
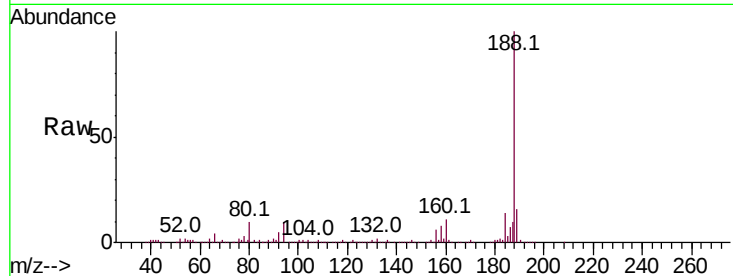
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampleId :
SB-6DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	289927		
94	9.6		7.2	10.8
80	10.3		7.9	11.9

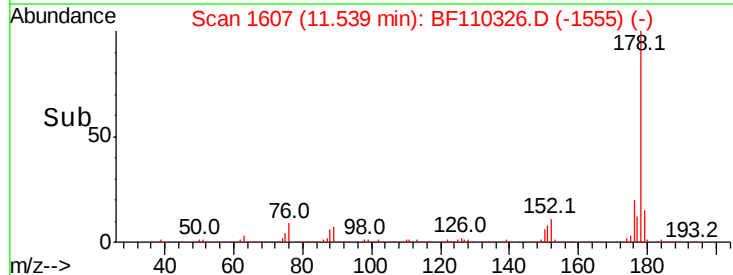
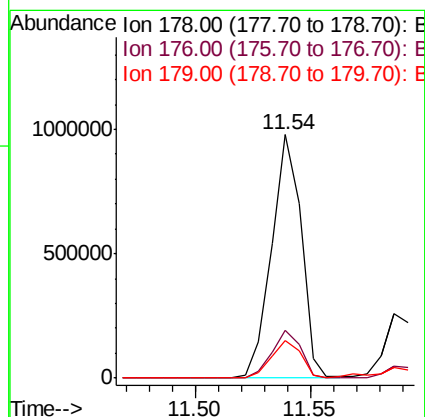
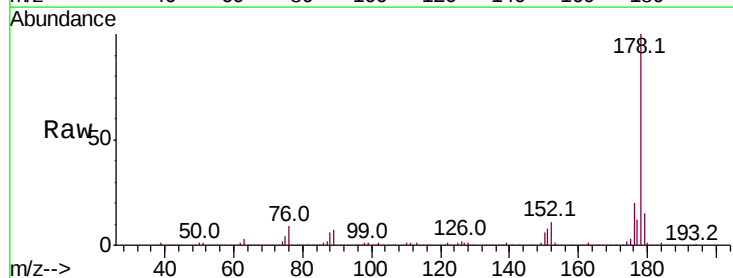
Manual Integrations
APPROVED

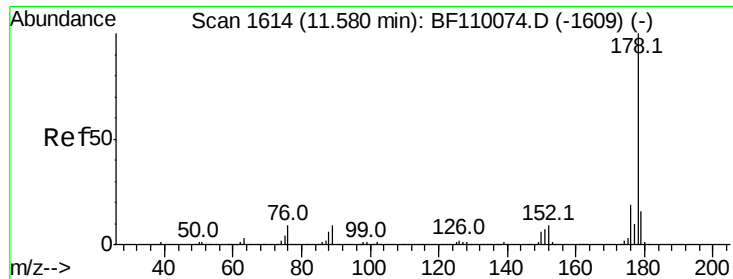
Sohil
11/1/2018 10:45:53 AM



#71
Phenanthrene
Concen: 57.497 ng
RT: 11.54 min Scan# 1607
Delta R.T. 0.01 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	872255		
176	19.6		15.5	23.3
179	15.5		12.5	18.7





#72

Anthracene

Concen: 14.630 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF110326.D

Acq: 31 Oct 2018 12:18

Instrument :

BNA_F

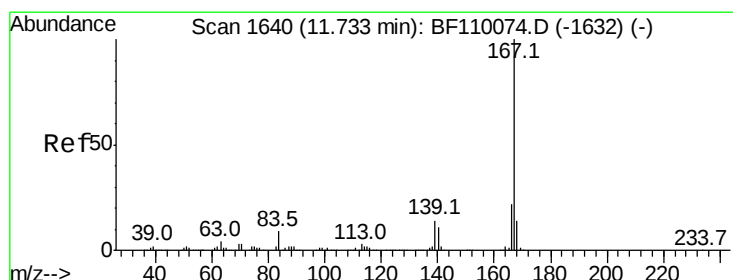
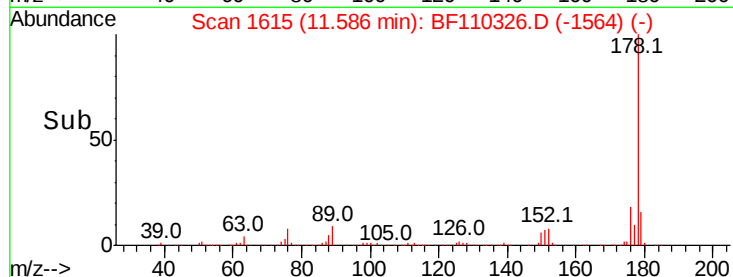
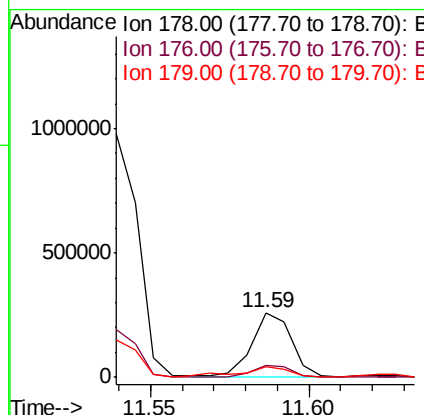
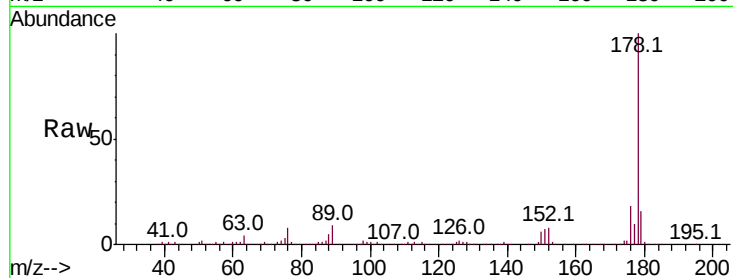
ClientSampled :

SB-6DL

Tot Ion:	178	Resp:	222459
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.4	23.2
179	15.8	12.6	18.8

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#73

Carbazole

Concen: 4.461 ng

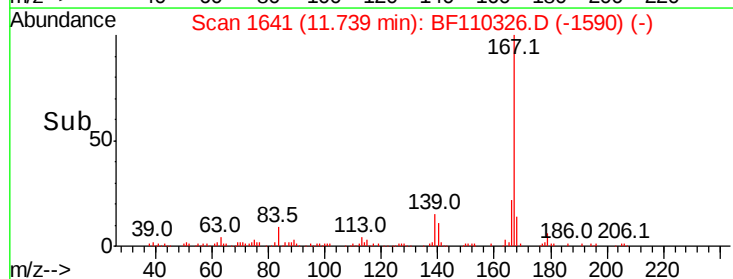
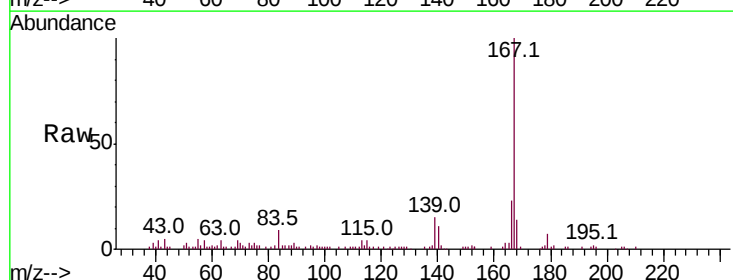
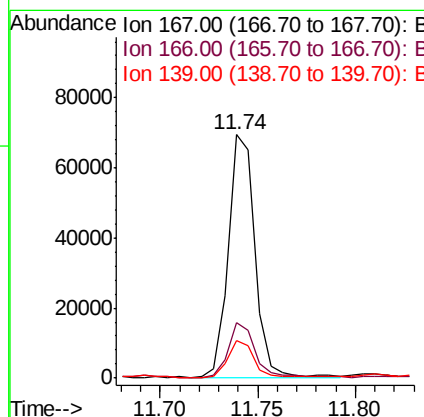
RT: 11.74 min Scan# 1641

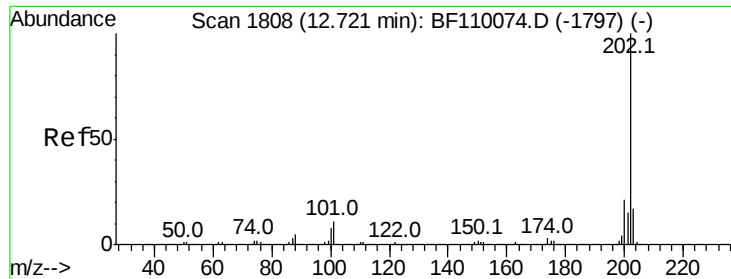
Delta R.T. 0.00 min

Lab File: BF110326.D

Acq: 31 Oct 2018 12:18

Tgt Ion:	167	Resp:	66225
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.4	26.0
139	15.3	10.9	16.3





#75

Fluoranthene

Concen: 54.492 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF110326.D

Acq: 31 Oct 2018 12:18

Instrument :

BNA_F

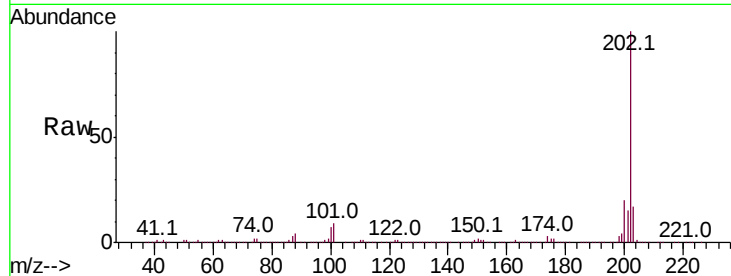
ClientSampled :

SB-6DL

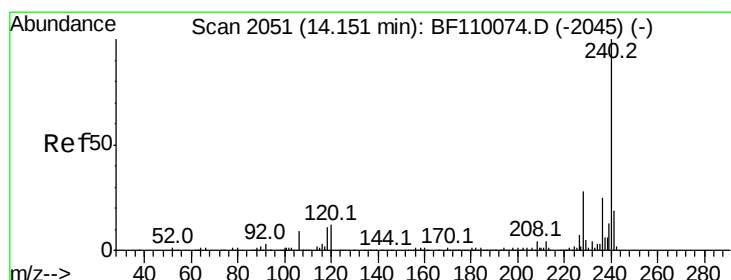
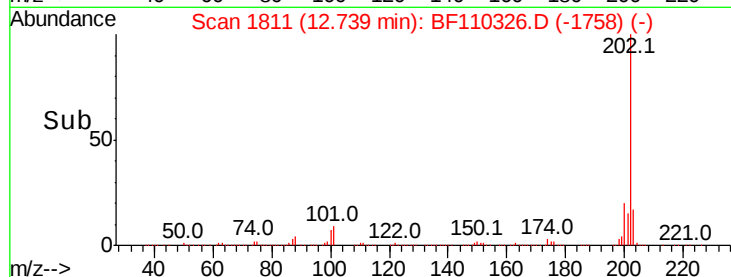
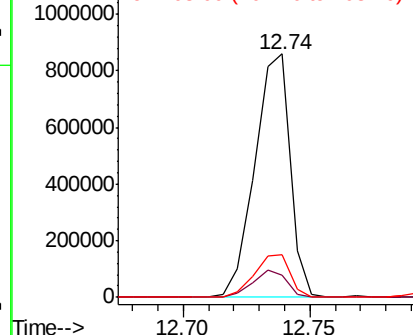
Tot Ion:	202	Resp:	838969
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	31.4
203	17.4	0.0	37.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

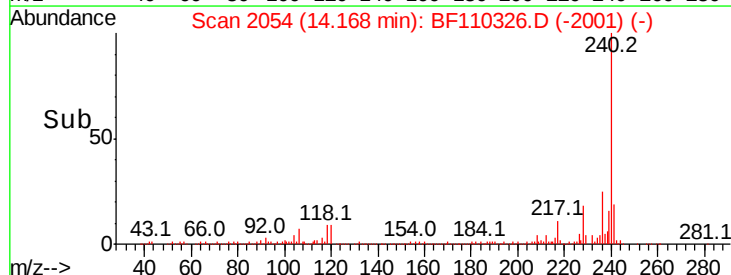
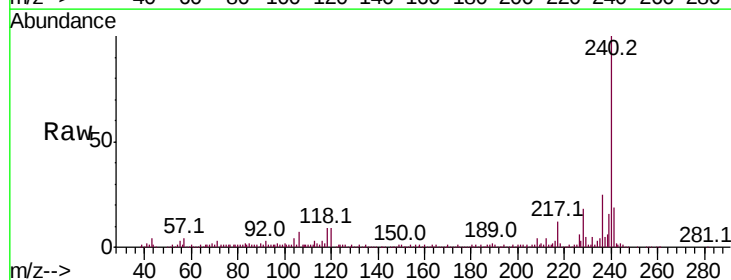
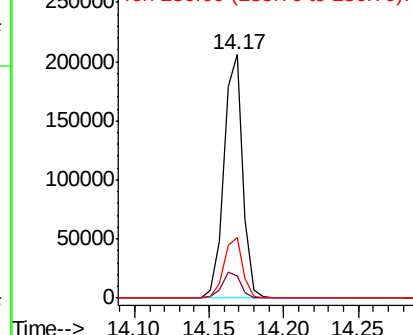
Delta R.T. 0.01 min

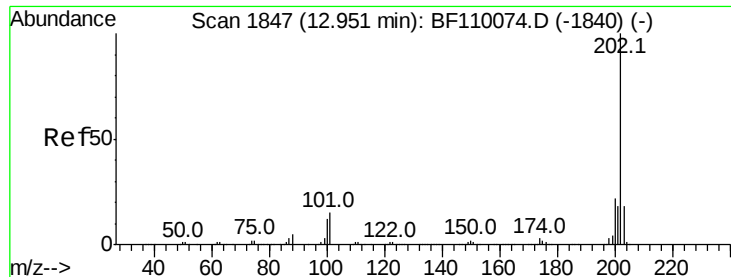
Lab File: BF110326.D

Acq: 31 Oct 2018 12:18

Tgt Ion:	240	Resp:	183336
Ion Ratio	Lower	Upper	
240	100		
120	9.3	8.3	12.5
236	24.9	21.2	31.8

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





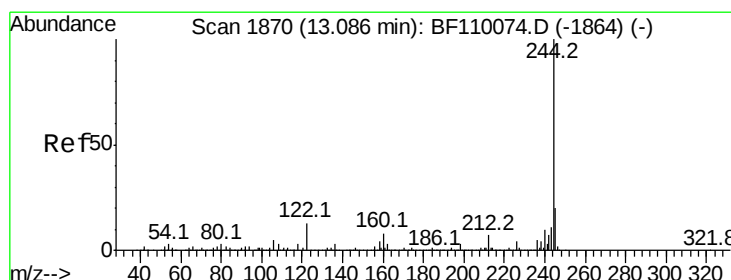
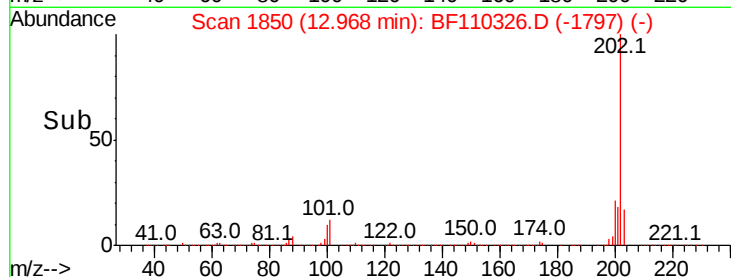
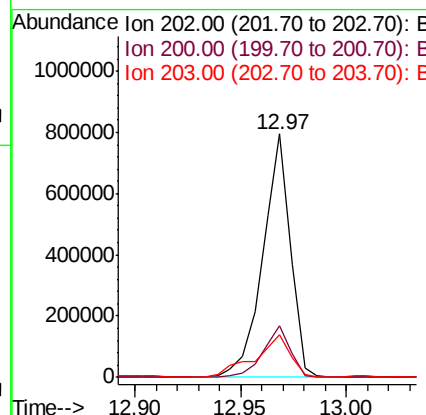
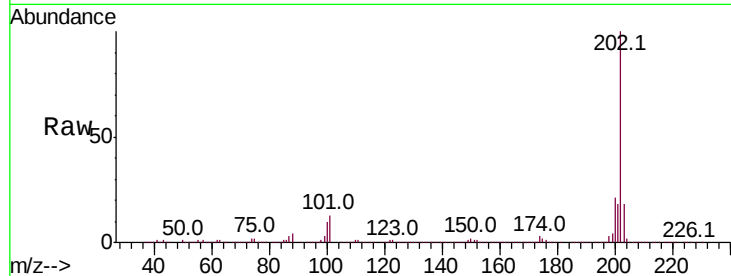
#78
Pvrene
Concen: 54.765 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampled :
SB-6DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.6
203	17.7	14.2	21.4

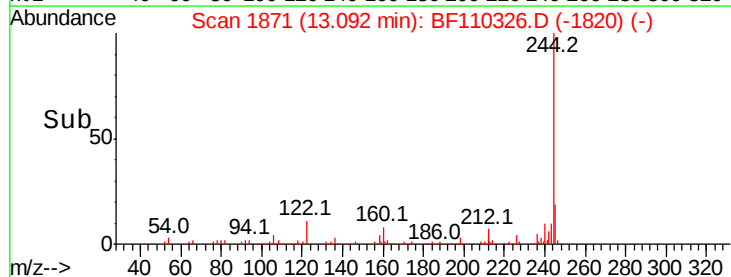
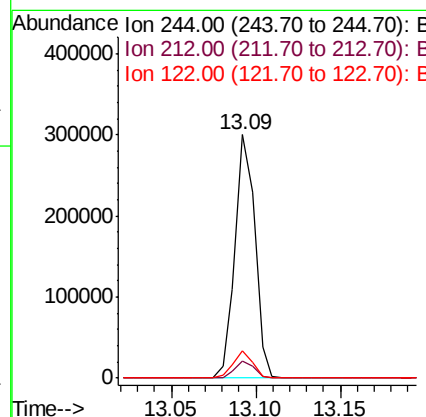
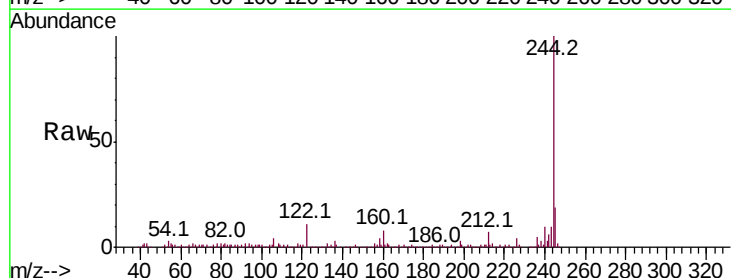
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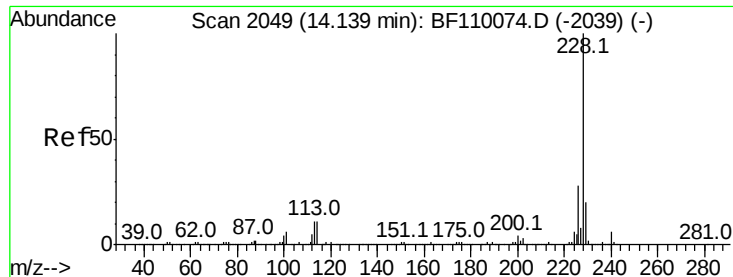
Sohil
11/1/2018 10:45:53 AM



#79
Terphenyl-d14
Concen: 27.944 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	11.2	8.7	13.1





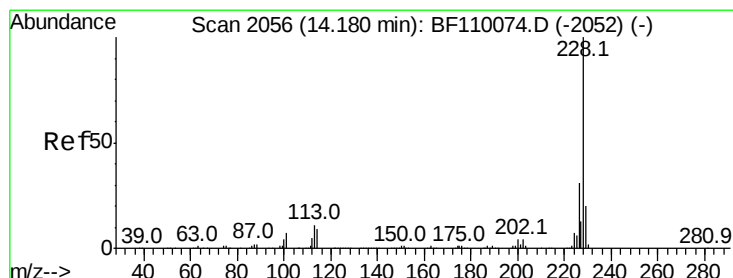
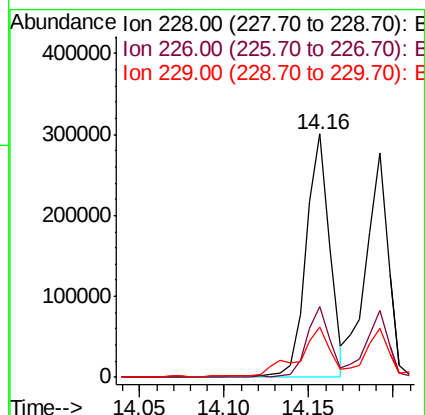
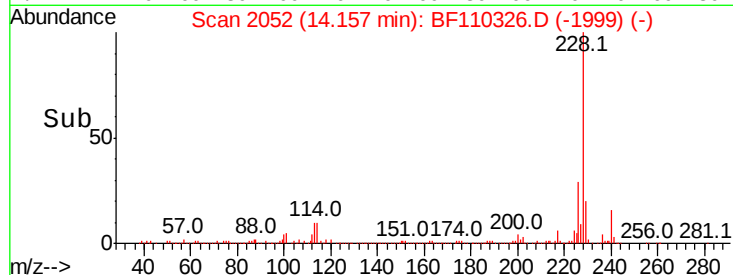
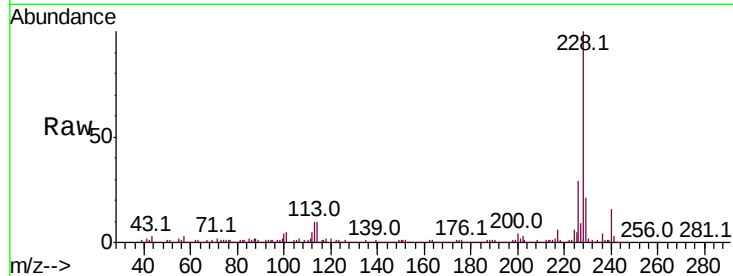
#81
Benzo(a)anthracene
Concen: 26.492 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampleId :
SB-6DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	20.7	15.6	23.4

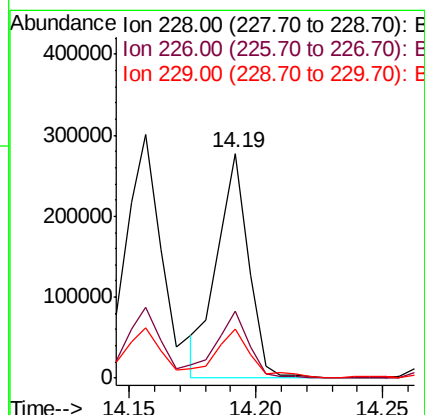
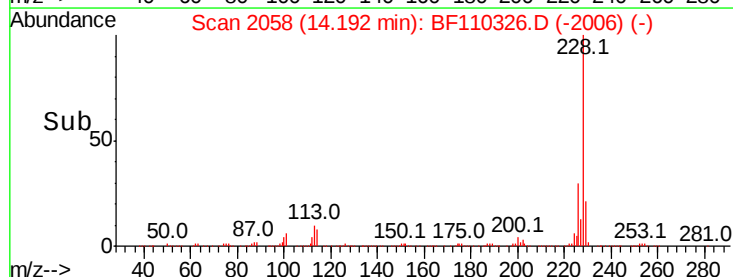
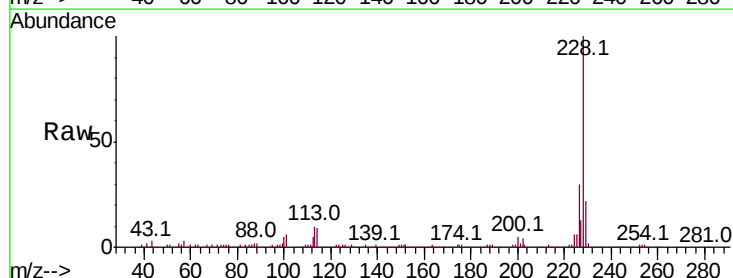
Manual Integrations
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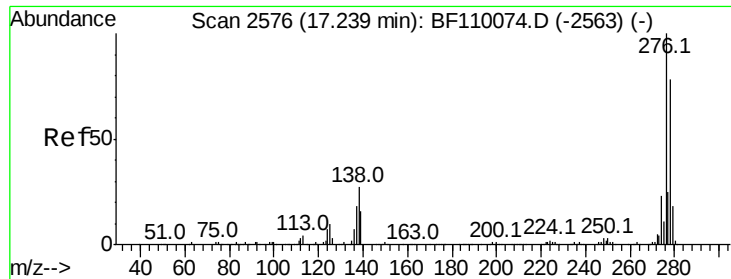
Sohil
11/1/2018 10:45:53 AM



#83
Chrysene
Concen: 23.107 ng
RT: 14.19 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	21.8	15.9	23.9





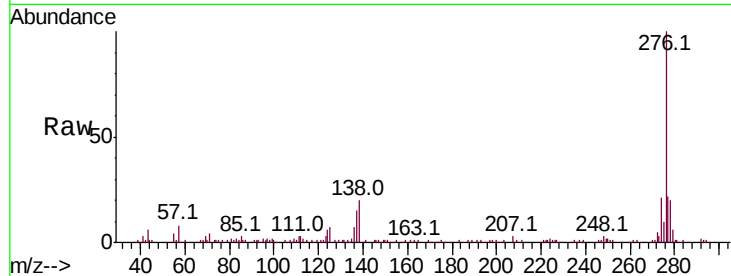
#86
Indeno(1,2,3-cd)pyrene
Concen: 23.180 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.03 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampled :
SB-6DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	18.5	27.7
277	24.1	20.0	30.0

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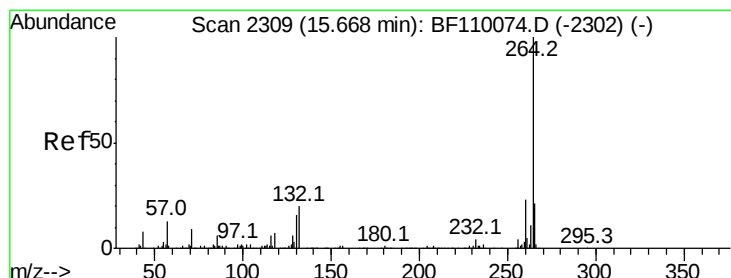
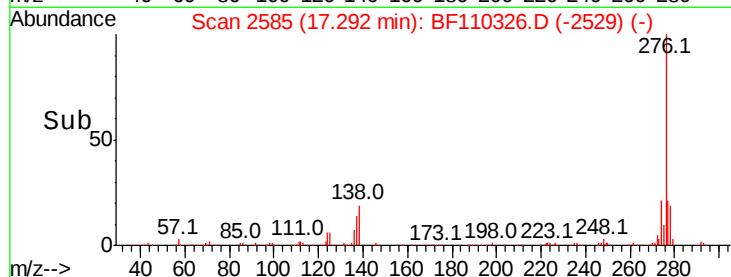
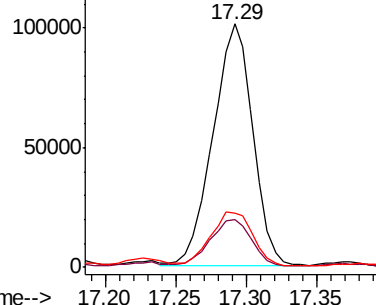


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.02 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

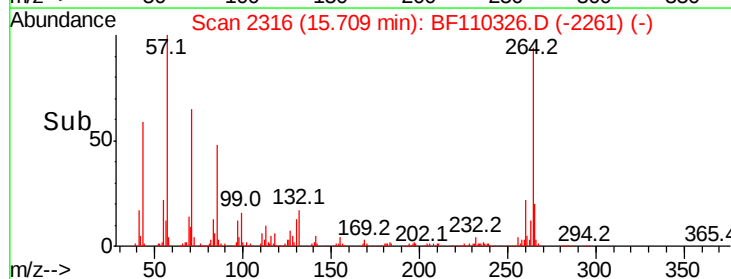
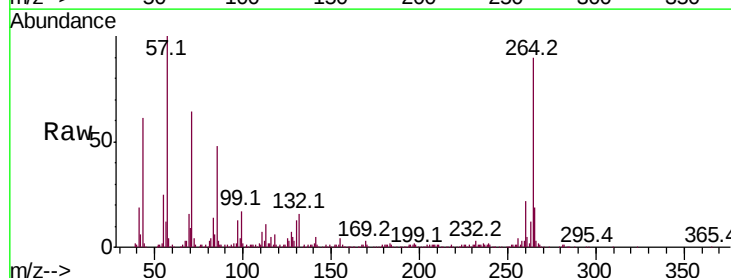
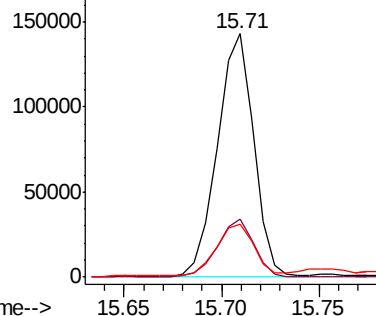
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.6	16.7	25.1

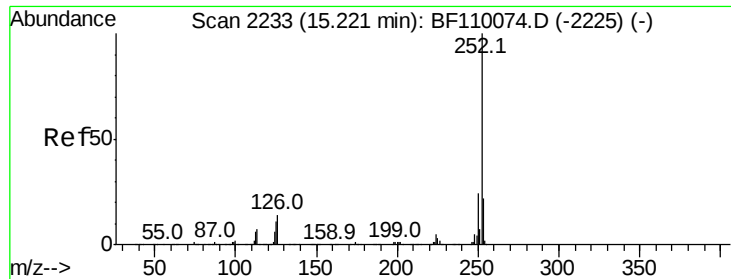
Abundance

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: 34.950 ng m

RT: 15.24 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BF110326.D

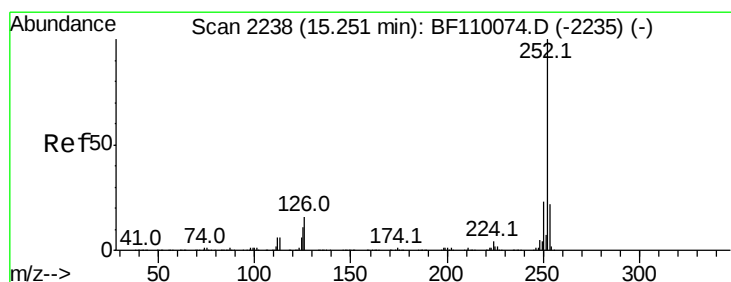
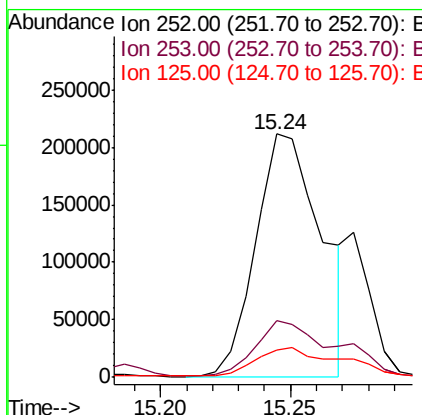
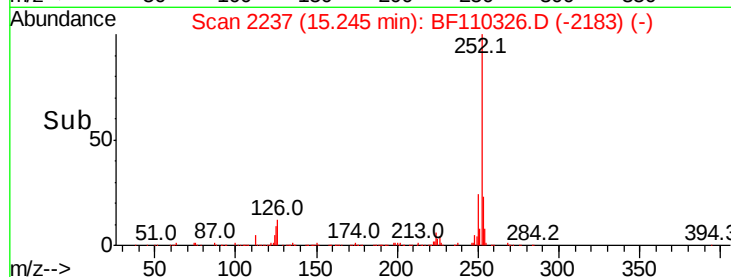
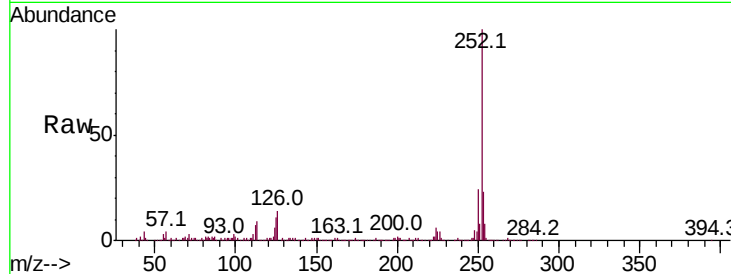
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampleID :
SB-6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	11.4	8.2	12.4

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11/1/2018 10:45:53 AM



#89

Benzo(k)fluoranthene

Concen: 7.846 ng m

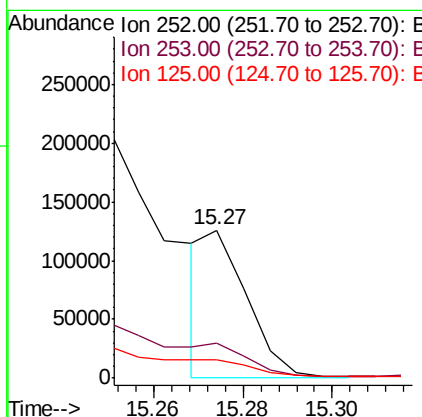
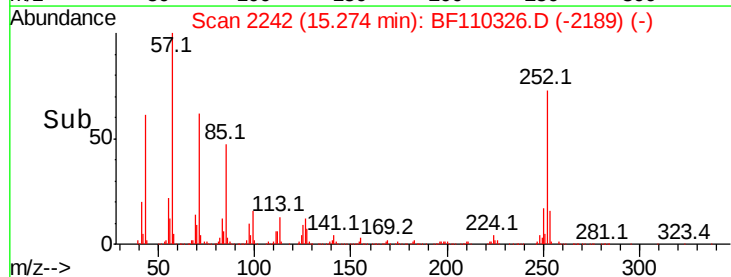
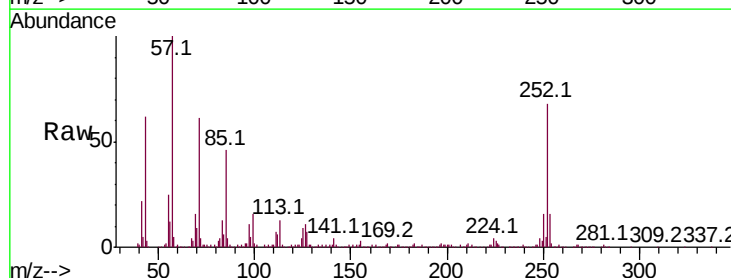
RT: 15.27 min Scan# 2242

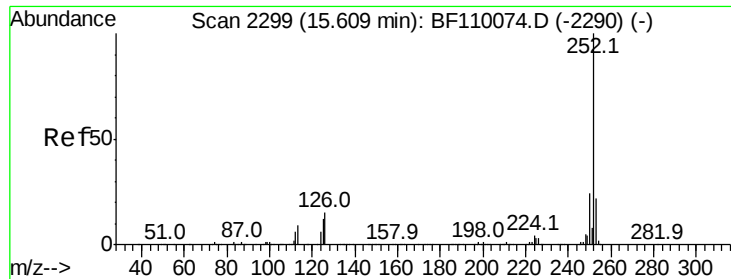
Delta R.T. 0.01 min

Lab File: BF110326.D

Acq: 31 Oct 2018 12:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	12.8	7.4	11.0





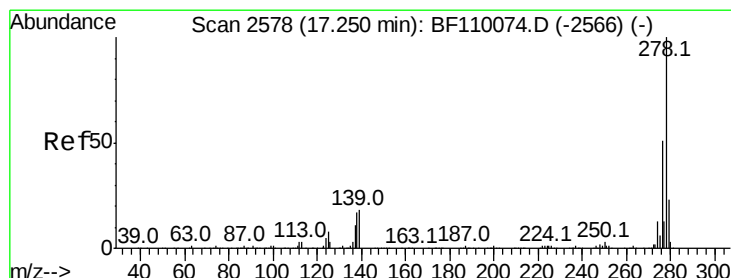
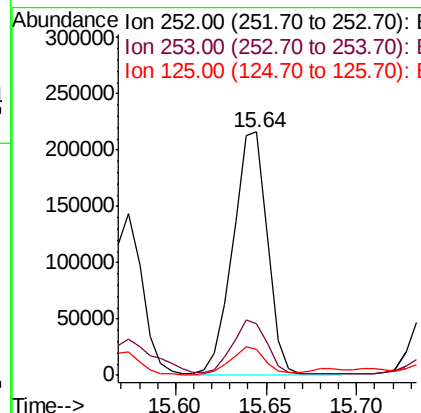
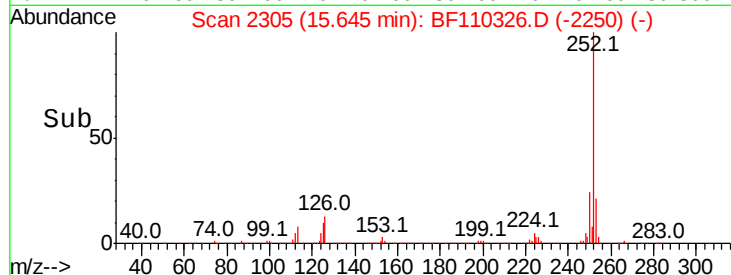
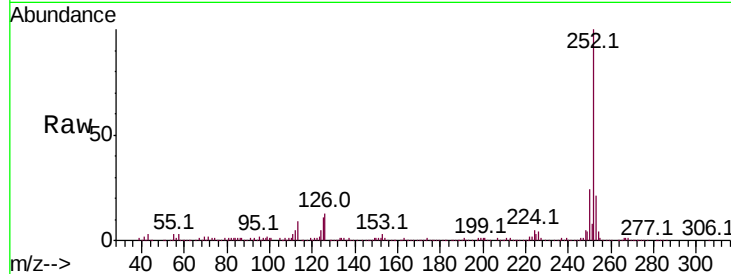
#90
Benzo(a)pyrene
Concen: 29.033 ng
RT: 15.64 min Scan# 2305
Delta R.T. 0.02 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Instrument :
BNA_F
ClientSampleID :
SB-6DL

Tot Ion:	252	Resp:	284208
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.2	27.4
125	10.8	9.0	13.6

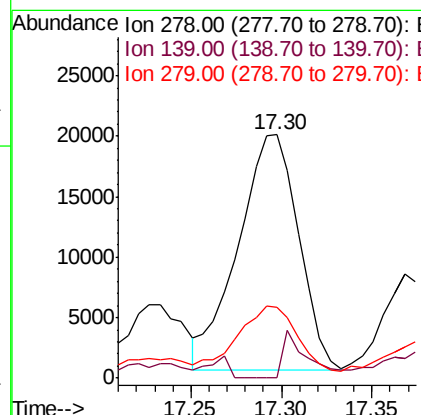
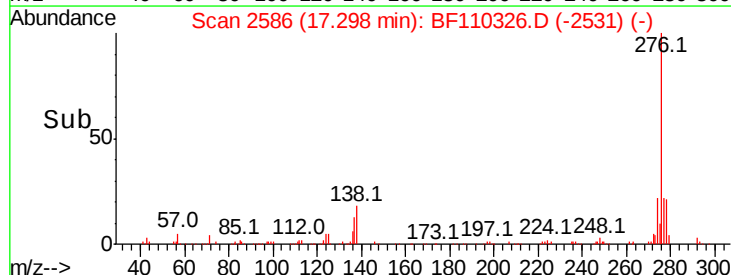
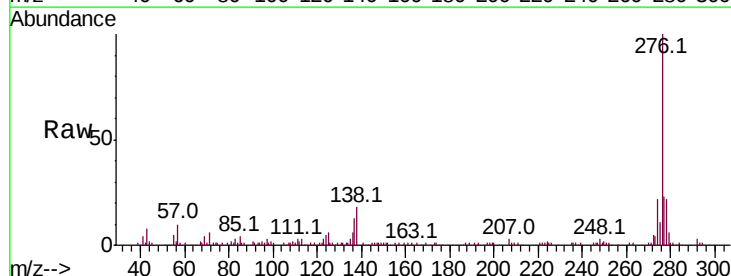
Manual Integrations
APPROVED

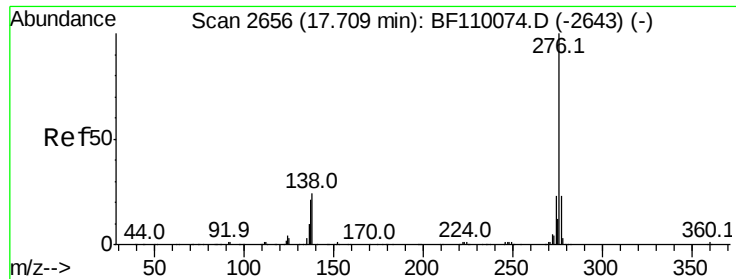
Sohil
11/1/2018 10:45:53 AM



#91
Dibenzo(a,h)anthracene
Concen: 5.386 ng m
RT: 17.30 min Scan# 2586
Delta R.T. 0.02 min
Lab File: BF110326.D
Acq: 31 Oct 2018 12:18

Tgt Ion:	278	Resp:	45489
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.7	19.1#
279	28.9	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 24.072 ng
 RT: 17.78 min Scan# 2668
 Delta R.T. 0.04 min
 Lab File: BF110326.D
 Acq: 31 Oct 2018 12:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DL

Tot Ion:	276	Resp:	200357
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.8	28.2
138	21.1	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 11/1/2018 10:45:53 AM

