

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
 Data File : BF112683.D
 Acq On : 22 Feb 2019 23:49
 Operator : JU/SJ
 Sample : K1556-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP

Manual Integrations
 APPROVED

Sohil
 2/25/2019 9:21:32 AM

Quant Time: Feb 23 01:36:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	76340	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	304376	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	131245	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	201600	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	144085	20.00	ng	-0.03
87) Perylene-d12	15.45	264	139891	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	395772	110.12	ng	-0.02
7) Phenol-d6	6.49	99	503983	100.92	ng	0.00
23) Nitrobenzene-d5	7.38	82	311560	58.98	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	115624	75.69	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	610138	65.75	ng	-0.04
79) Terphenyl-d14	12.92	244	398404	52.08	ng	-0.04
Target Compounds						
10) Phenol	6.50	94	16439	3.000	ng	Qvalue # 81
50) Dimethylphthalate	9.57	163	32366	3.174	ng	# 98
52) Acenaphthene	9.88	154	23634	3.034	ng	96
55) Dibenzofuran	10.06	168	24994	2.099	ng	# 90
58) Fluorene	10.40	166	37902	4.254	ng	98
71) Phenanthrene	11.36	178	323560	30.871	ng	98
72) Anthracene	11.42	178	99273	9.509	ng	98
75) Fluoranthene	12.56	202	518025	46.082	ng	97
78) Pyrene	12.79	202	434306	43.537	ng	99
81) Benzo(a)anthracene	13.97	228	245581	28.994	ng	99
83) Chrysene	14.01	228	194807	24.095	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	108061	16.867	ng	# 93
88) Benzo(b)fluoranthene	15.02	252	301067m	35.986	ng	
89) Benzo(k)fluoranthene	15.04	252	104440m	13.033	ng	
90) Benzo(a)pyrene	15.39	252	215110	28.576	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	26775	4.413	ng	# 92
92) Benzo(a,h,i)perylene	17.39	276	99059	17.306	ng	96

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

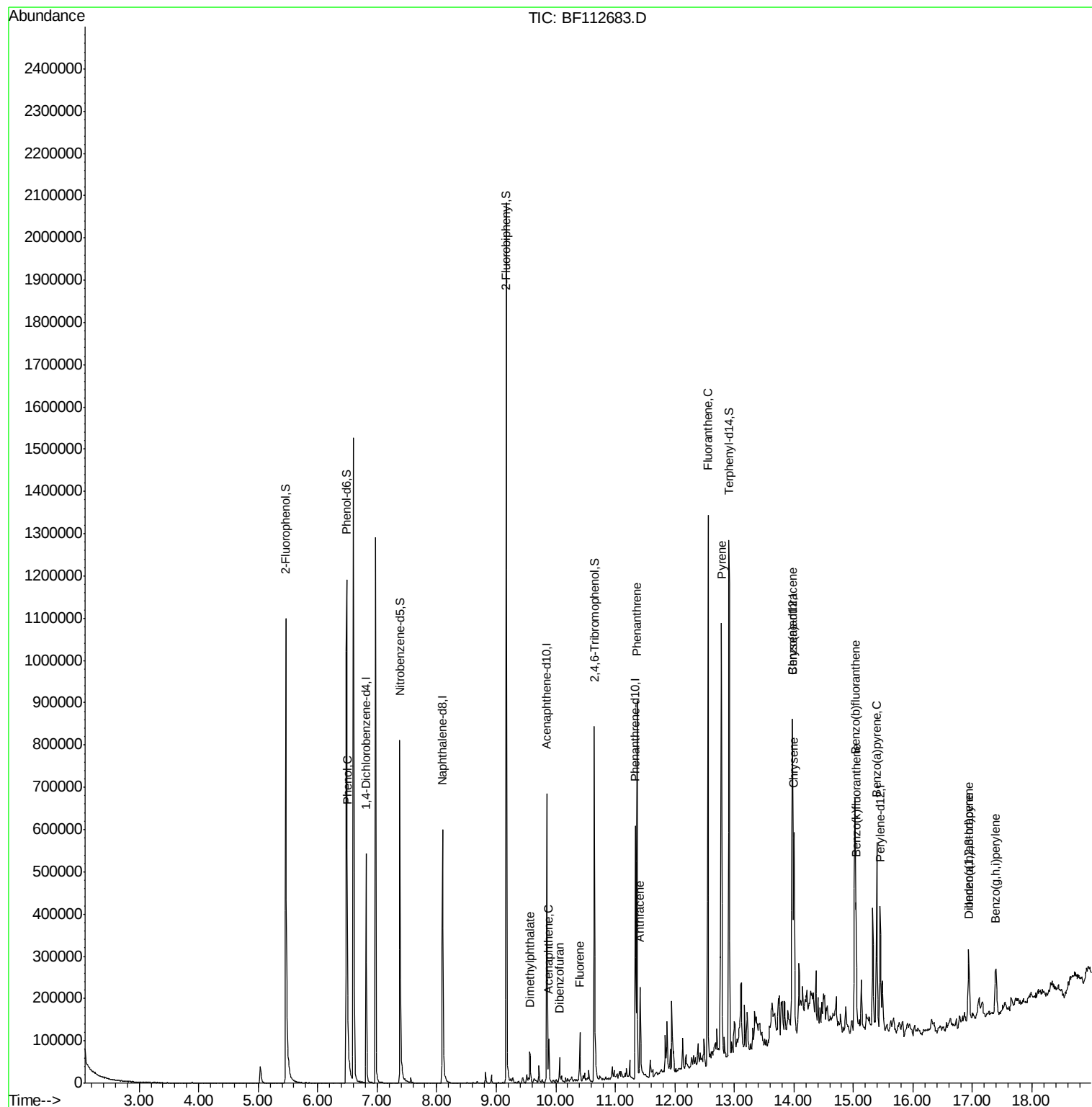
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
Data File : BF112683.D
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Sample : K1556-01
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ALS Vial : 13 Sample Multiplier: 1

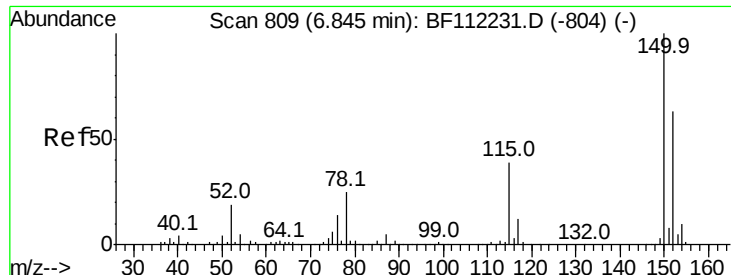
Instrument :
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#1

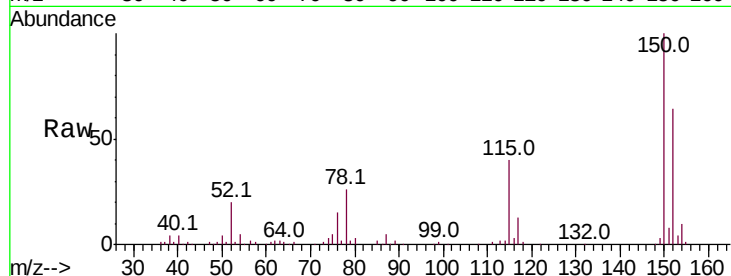
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Instrument :
BNA_F
ClientSampled :
COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.4	191.0
115	62.7	45.5	68.3

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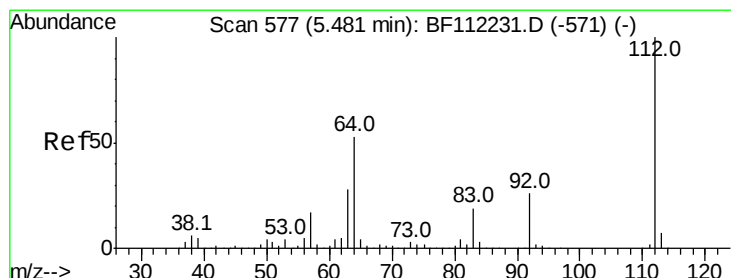
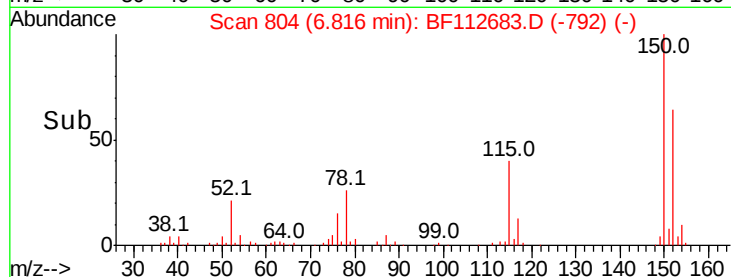
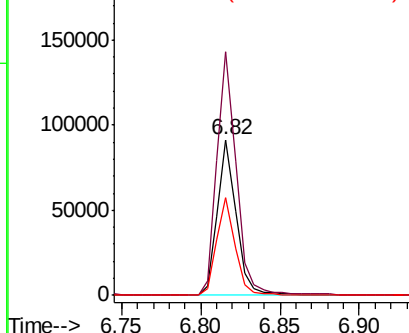


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

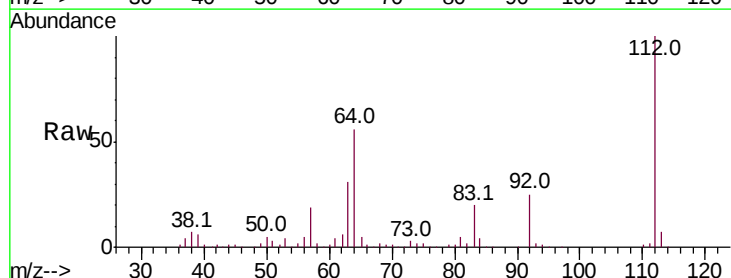
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.119 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.7	68.5
63	31.3	23.6	35.4

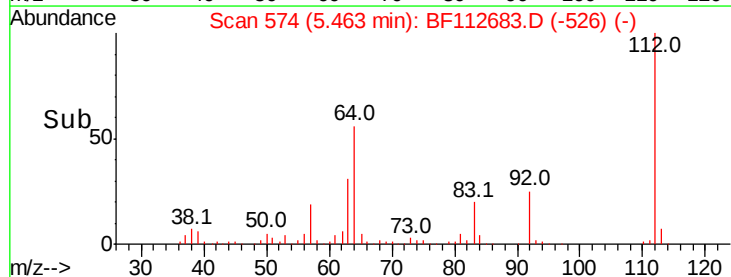
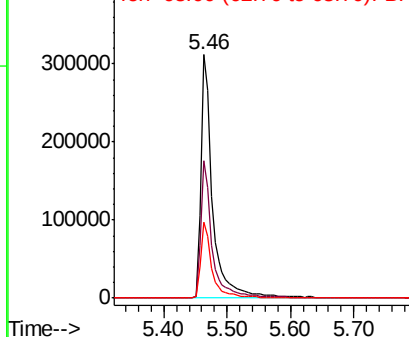


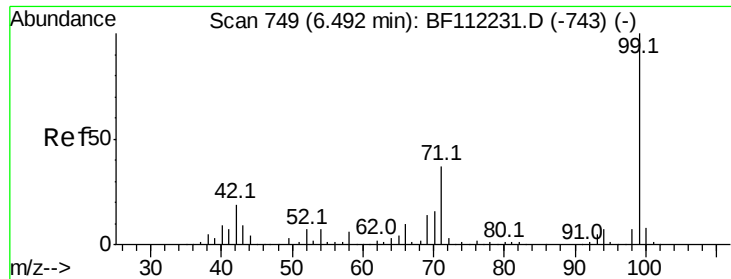
Abundance

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: 100.915 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112683.D

Acq: 22 Feb 2019 23:49

Instrument :

BNA_F

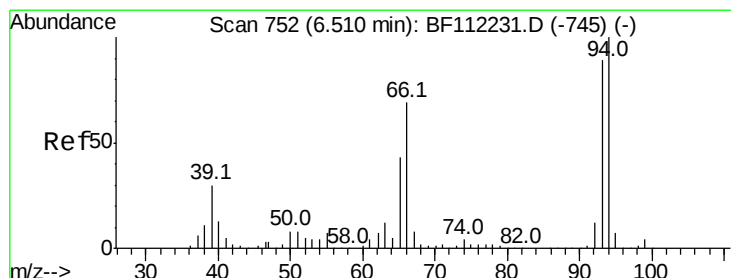
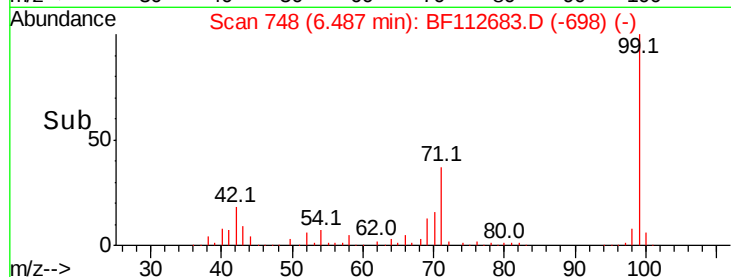
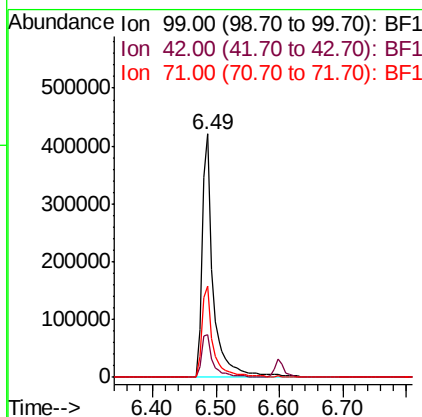
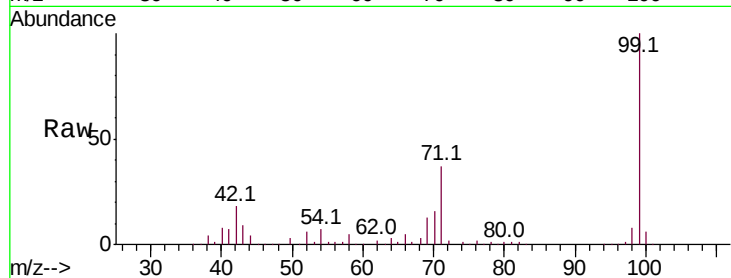
ClientSampled :

COMP

Tot Ion:	99	Resp:	503983
Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.1	22.7
71	37.4	26.9	40.3

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#10

Phenol

Concen: 3.000 ng

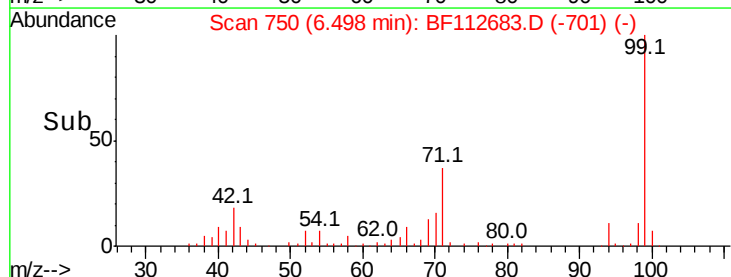
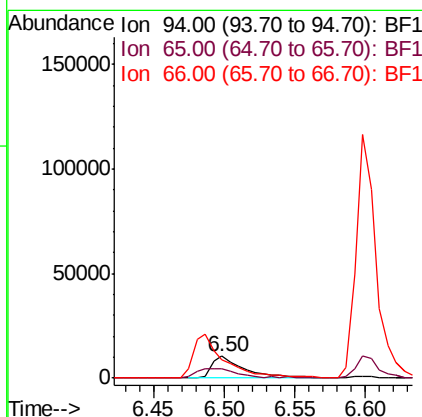
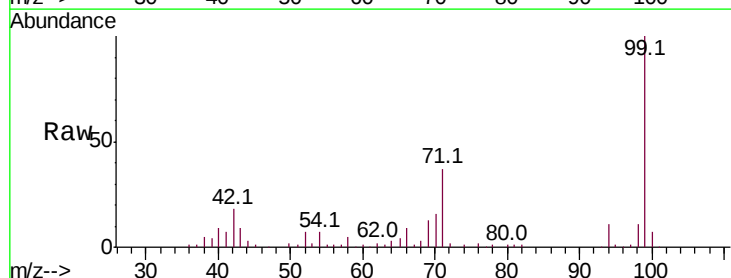
RT: 6.50 min Scan# 750

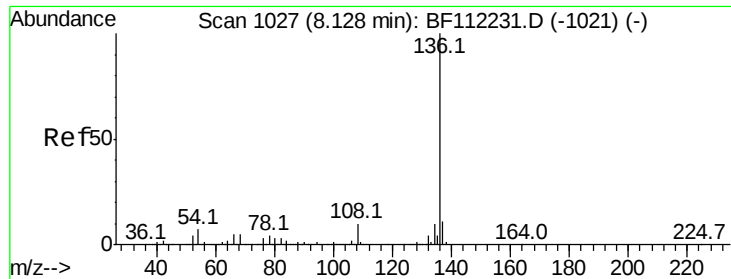
Delta R.T. -0.01 min

Lab File: BF112683.D

Acq: 22 Feb 2019 23:49

Tgt Ion:	94	Resp:	16439
Ion	Ratio	Lower	Upper
94	100		
65	40.6	20.3	60.3
66	86.2	42.4	82.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF112683.D

Acq: 22 Feb 2019 23:49

Instrument :

BNA_F

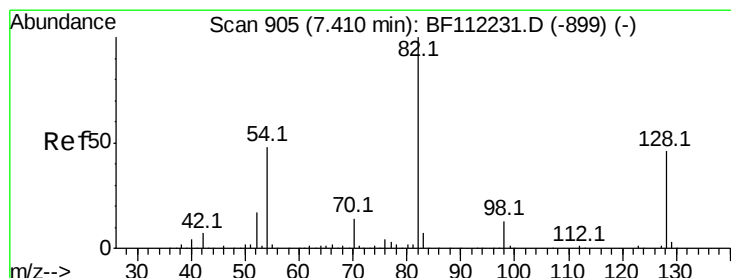
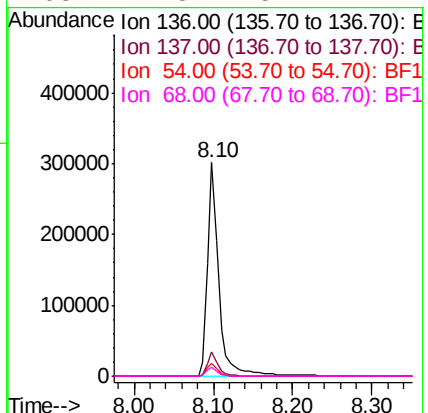
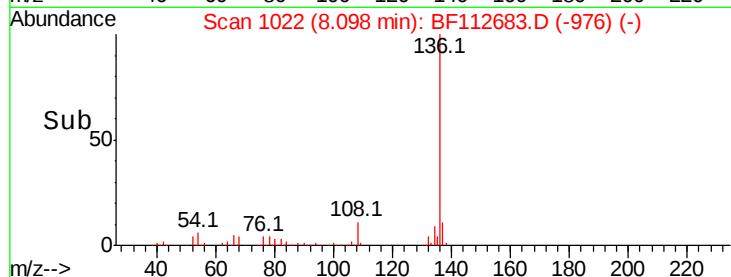
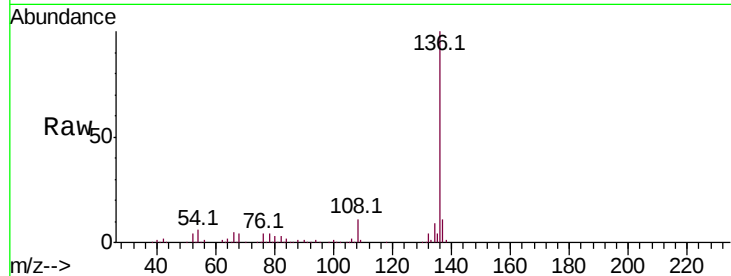
ClientSampleId :

COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		304376		
137	11.3	9.1	13.7		
54	6.1	5.9	8.9		
68	4.3	5.1	7.7#		

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#23

Nitrobenzene-d5

Concen: 58.980 ng

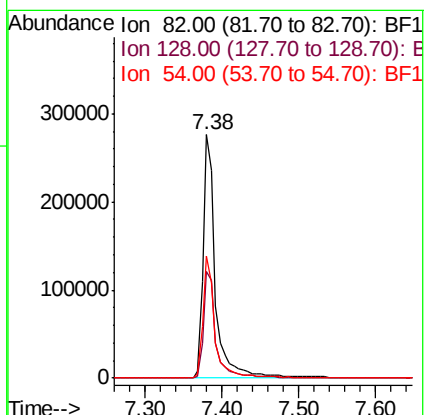
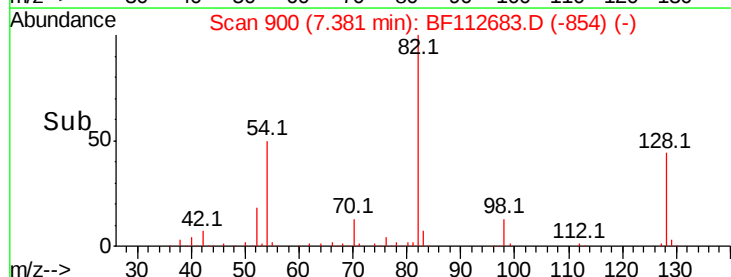
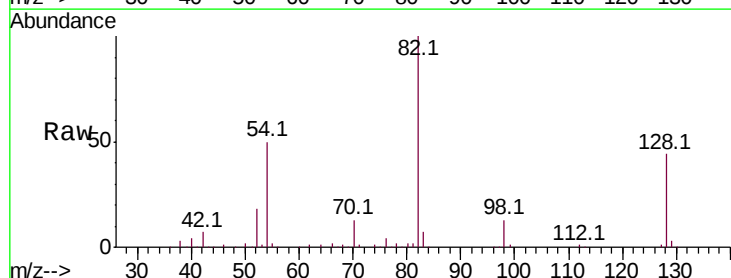
RT: 7.38 min Scan# 900

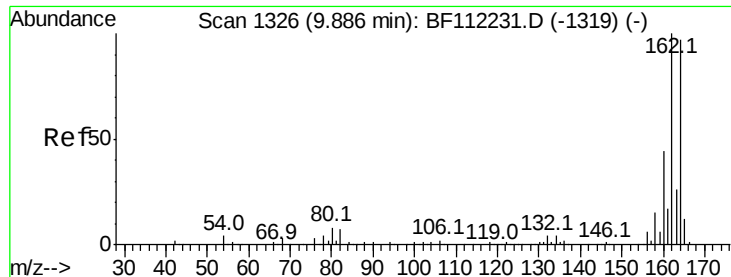
Delta R.T. -0.03 min

Lab File: BF112683.D

Acq: 22 Feb 2019 23:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		311560		
128	43.6	37.8	56.8		
54	50.2	39.7	59.5		





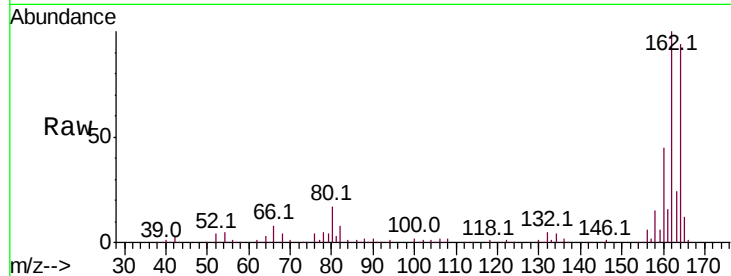
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Instrument :
BNA_F
ClientSampleId :
COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	131245		
162	106.1	82.2	123.4	
160	47.2	36.2	54.4	

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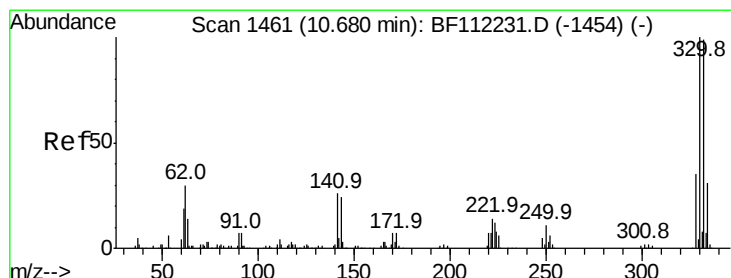
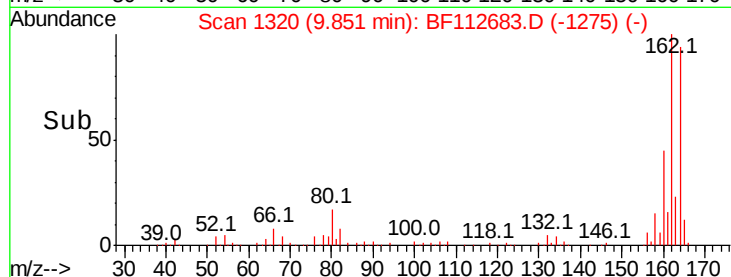
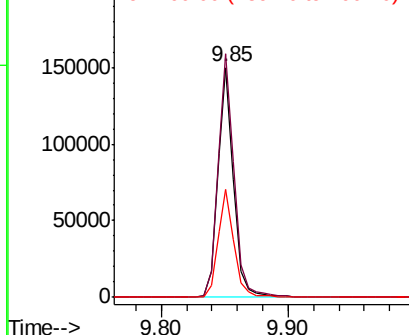


Abundance

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: 75.687 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.03 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

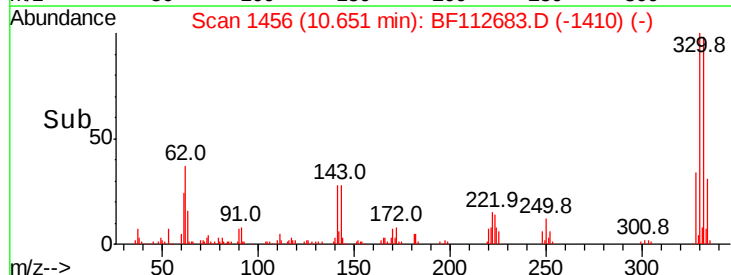
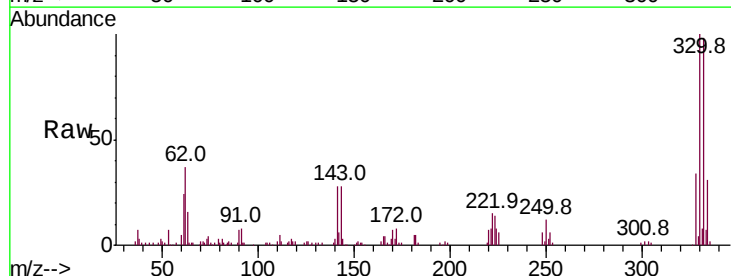
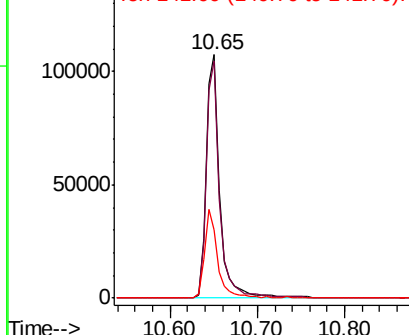
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	115624		
332	96.2	76.6	114.8	
141	35.4	24.3	36.5	

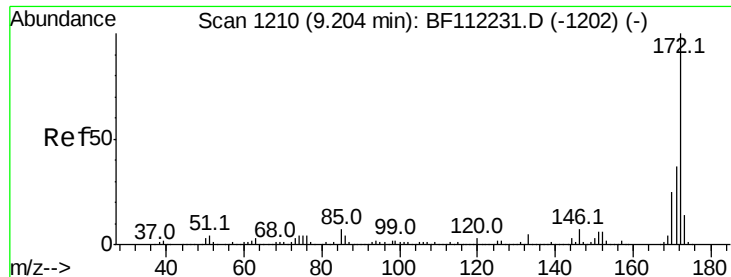
Abundance

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





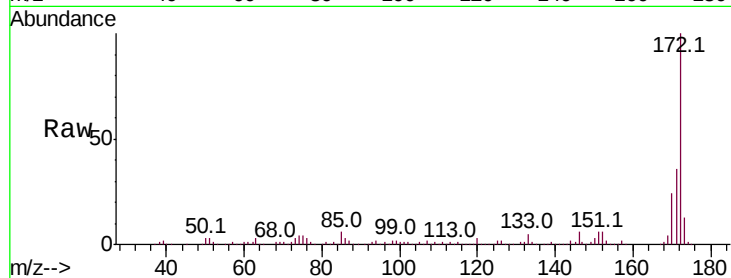
#45
2-Fluorobiphenyl
Concen: 65.750 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Instrument :
BNA_F
ClientSampleId :
COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	610138		
171	35.6		30.5	45.7
170	23.9		20.2	30.4

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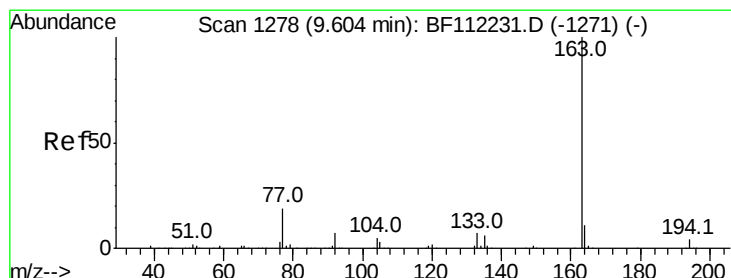
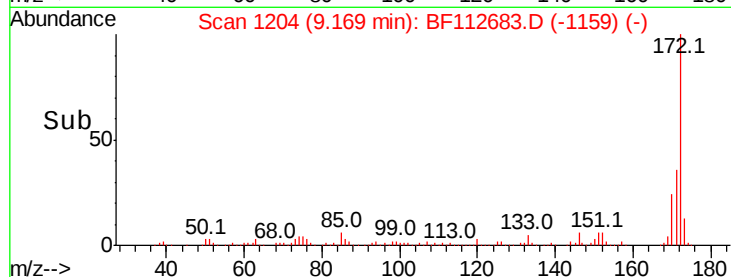
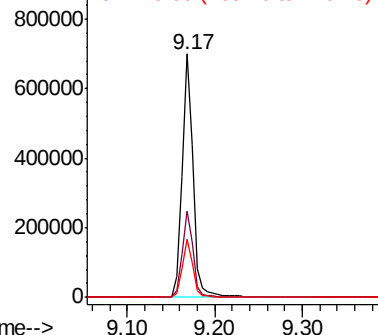


Abundance

Ion 172.00 (171.70 to 172.70): E

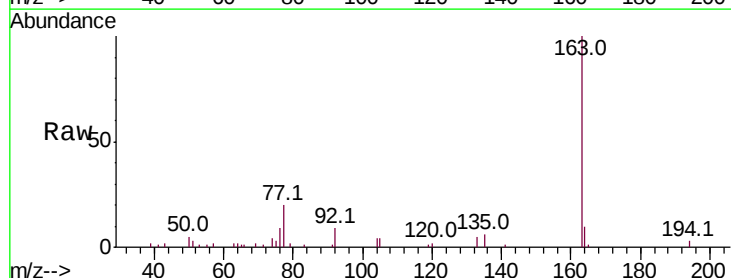
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.174 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	32366		
194	2.7		3.3	4.9#
164	9.9		8.5	12.7

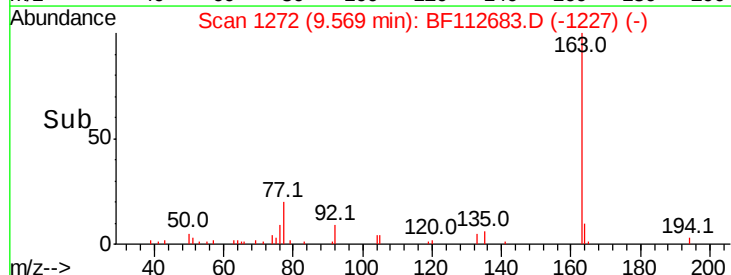
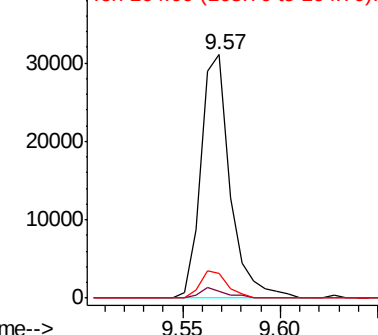


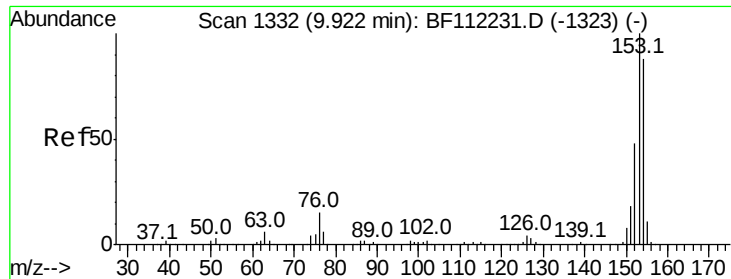
Abundance

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: 3.034 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.04 min

Lab File: BF112683.D

Acq: 22 Feb 2019 23:49

Instrument :

BNA_F

ClientSampleId :

COMP

Tot Ion:154 Resp: 23634

Ion Ratio Lower Upper

154 100

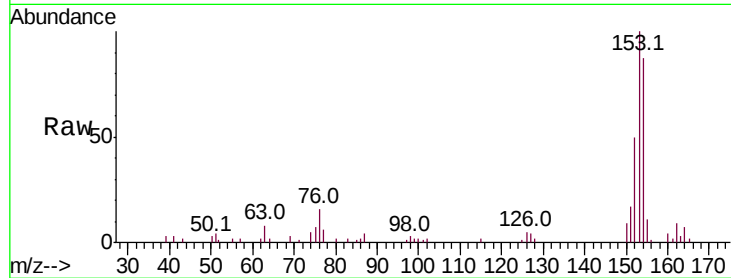
153 115.3 89.8 134.6

152 58.2 43.5 65.3

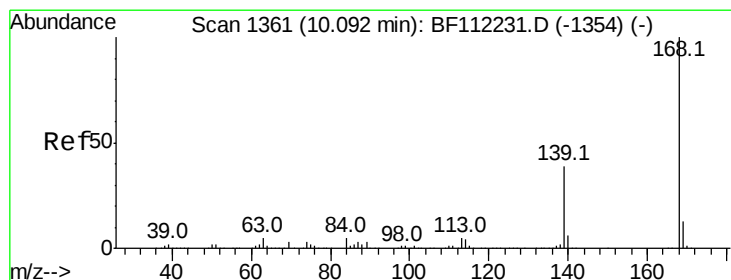
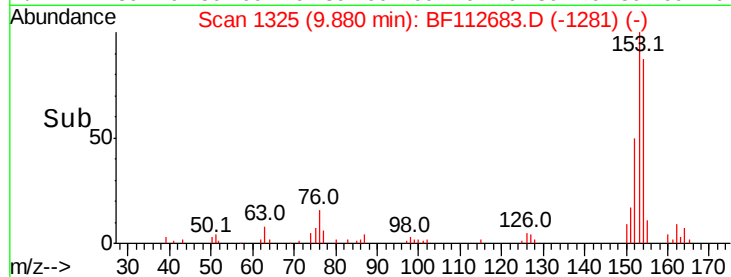
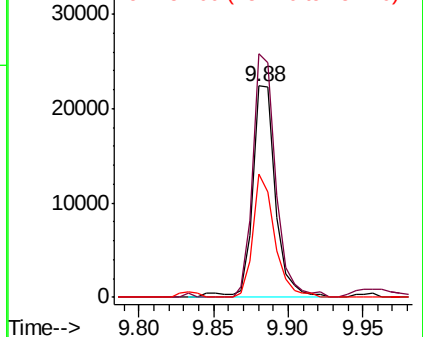
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.099 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.03 min

Lab File: BF112683.D

Acq: 22 Feb 2019 23:49

Tgt Ion:168 Resp: 24994

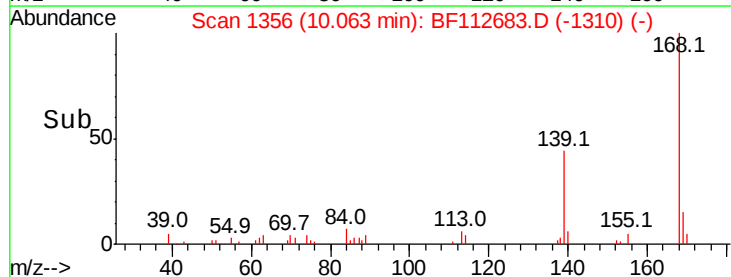
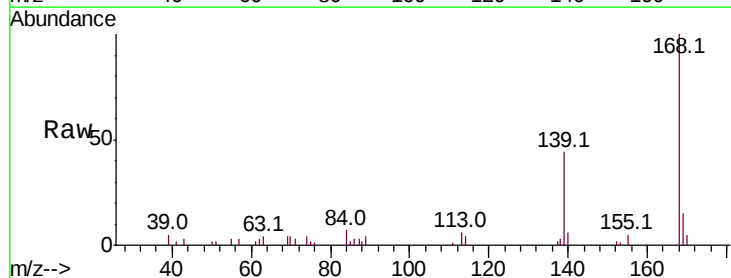
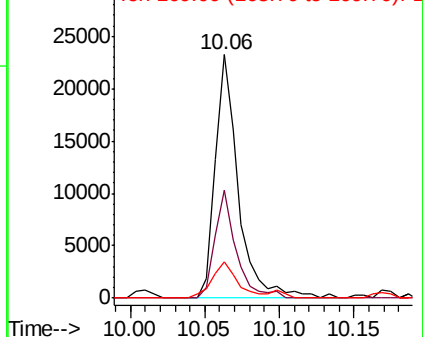
Ion Ratio Lower Upper

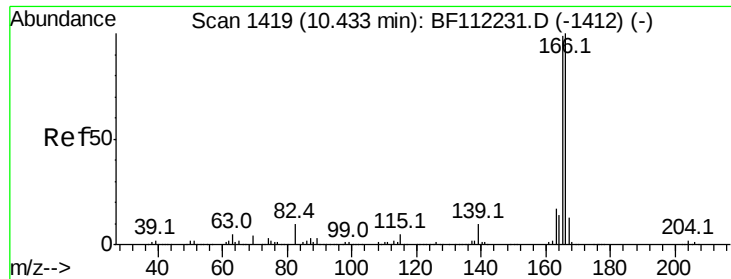
168 100

139 44.5 29.2 43.8#

169 14.9 11.4 17.0

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





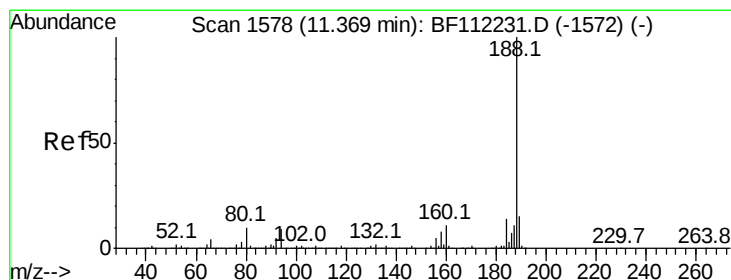
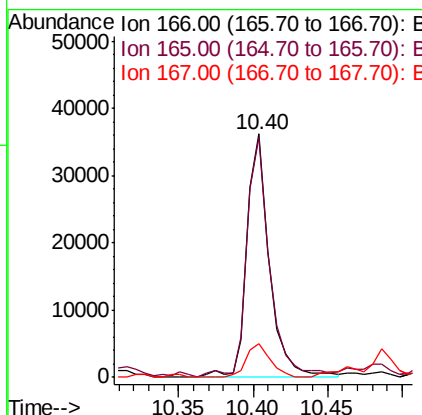
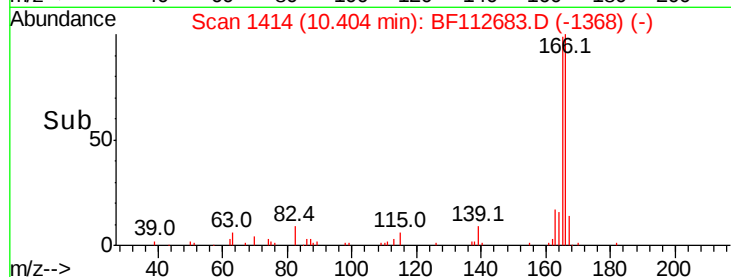
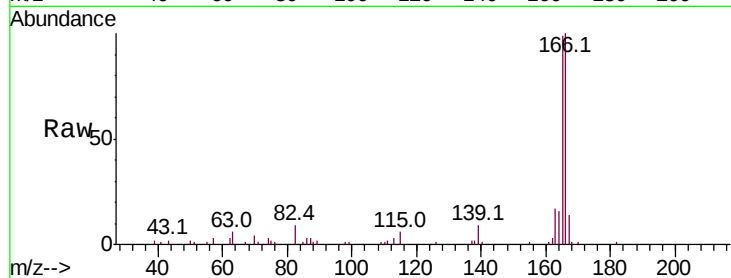
#58
 Fluorene
 Concen: 4.254 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.03 min
 Lab File: BF112683.D
 Acq: 22 Feb 2019 23:49

Instrument :
 BNA_F
 ClientSampled :
 COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.1	115.7
167	13.9	11.3	16.9

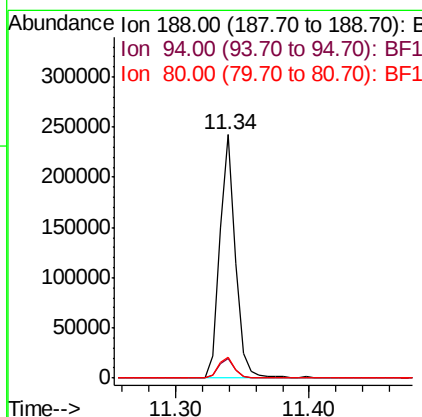
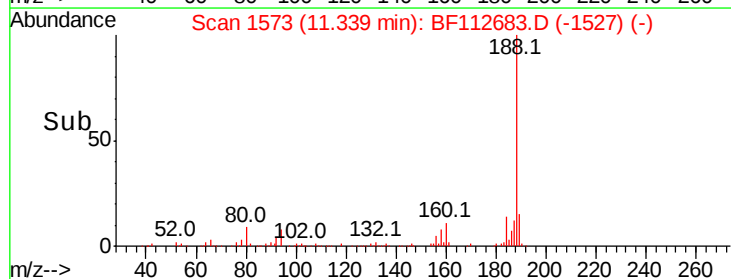
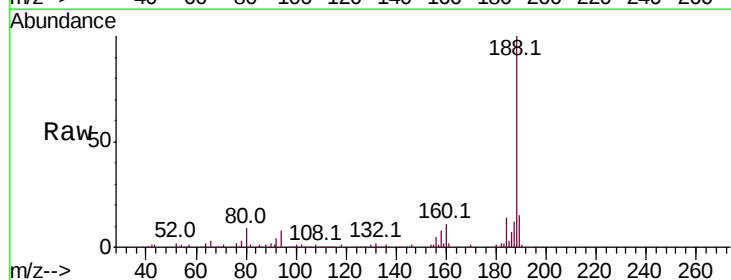
Manual Integrations
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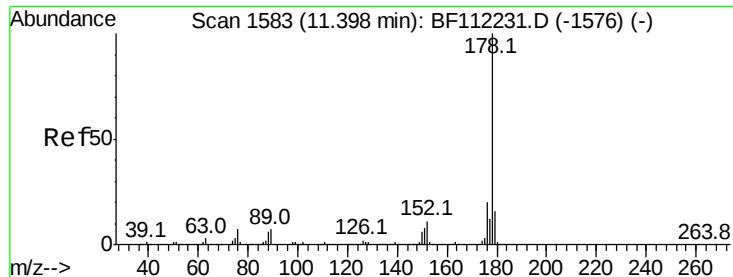
Sohil
 2/25/2019 9:21:32 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: BF112683.D
 Acq: 22 Feb 2019 23:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.2	12.2#
80	8.6	8.9	13.3#





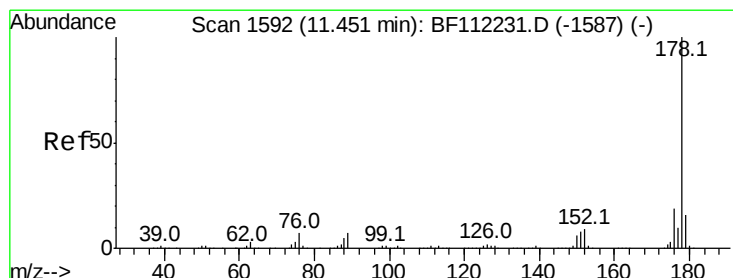
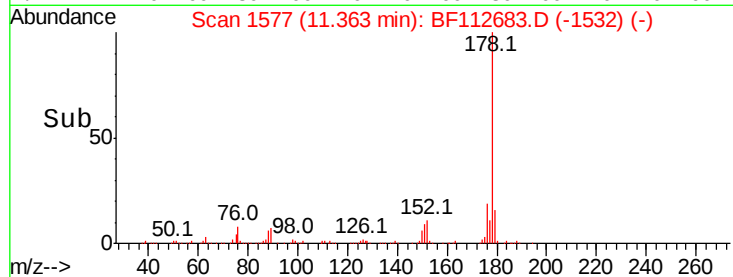
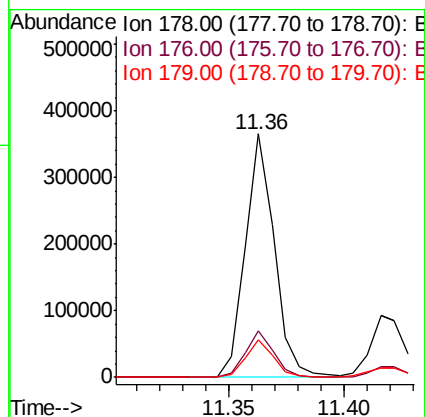
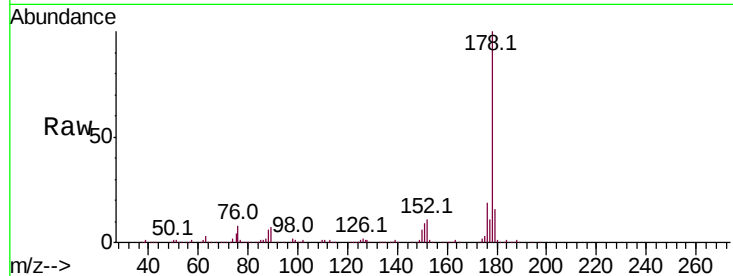
#71
Phenanthrene
Concen: 30.871 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.04 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Instrument :
BNA_F
ClientSampled :
COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.6	13.0	19.4

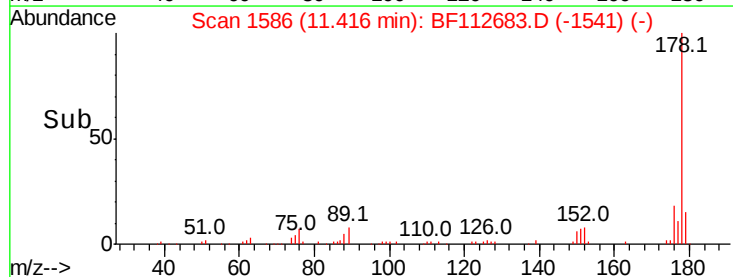
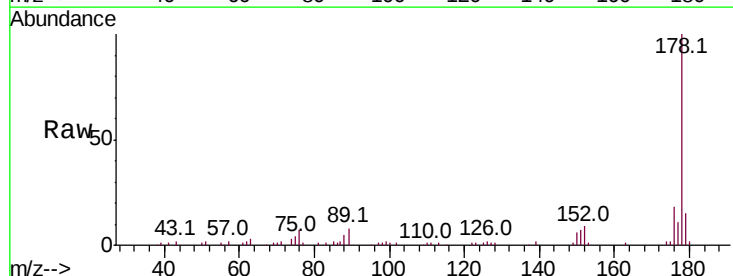
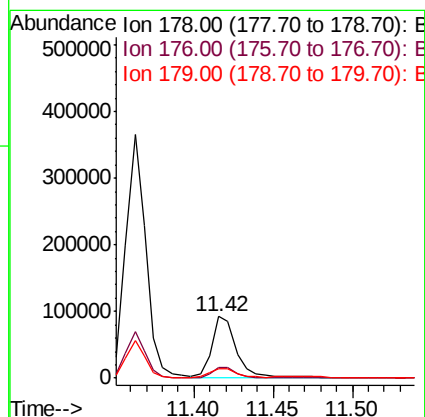
Manual Integrations
APPROVED

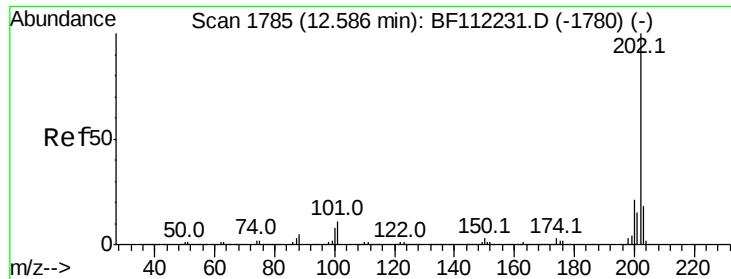
Sohil
2/25/2019 9:21:32 AM



#72
Anthracene
Concen: 9.509 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.04 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.1	12.8	19.2





#75

Fluoranthene

Concen: 46.082 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.03 min

Lab File: BF112683.D

Acq: 22 Feb 2019 23:49

Instrument :

BNA_F

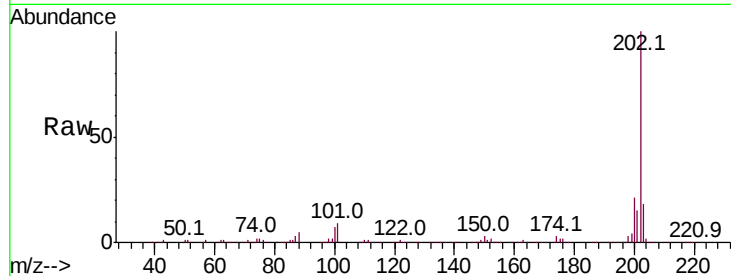
ClientSampleId :

COMP

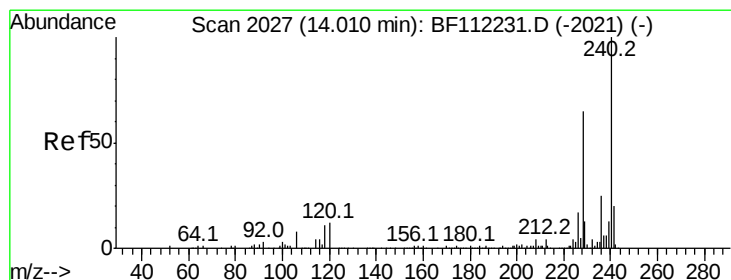
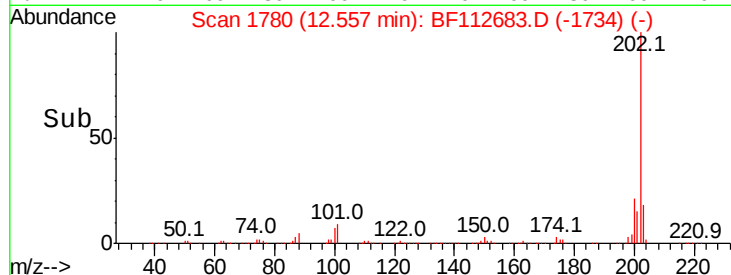
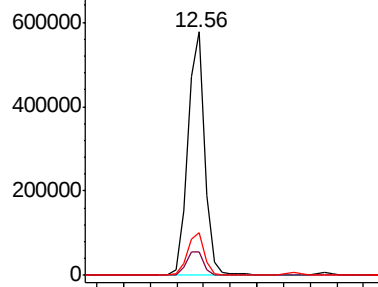
Tot Ion	Ratio	Resp	Lower	Upper
202	100	518025		
101	9.5	0.0	31.8	
203	17.7	0.0	38.4	

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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: 13.98 min Scan# 2022

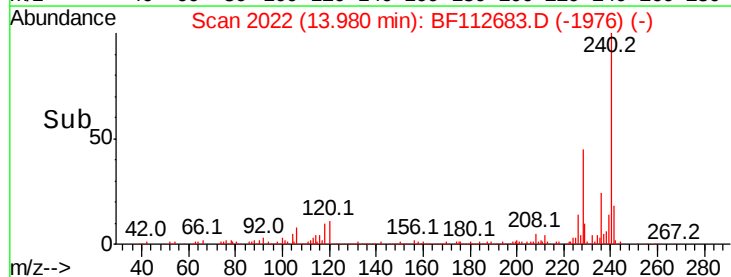
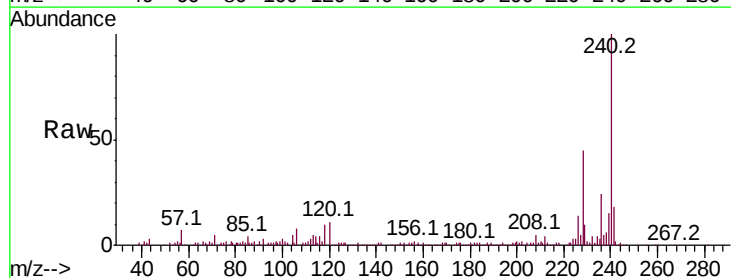
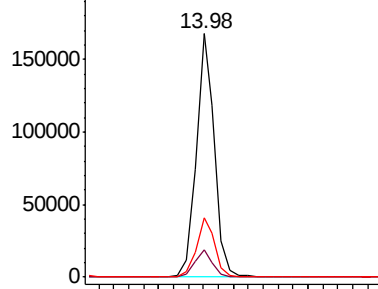
Delta R.T. -0.03 min

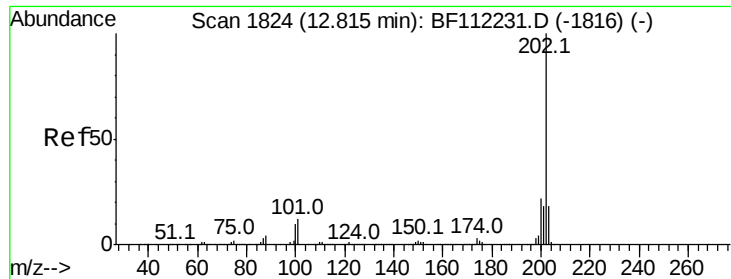
Lab File: BF112683.D

Acq: 22 Feb 2019 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	144085		
120	11.0	9.0	13.6	
236	24.3	20.7	31.1	

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





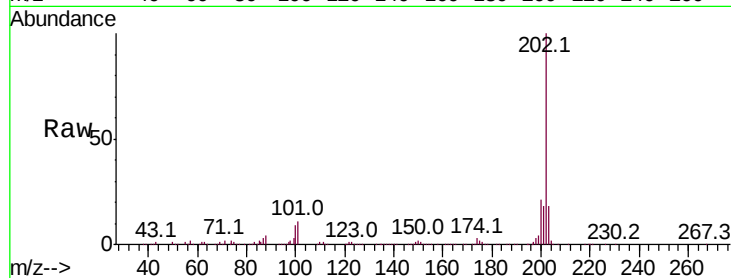
#78
Pvrene
Concen: 43.537 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.03 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Instrument :
BNA_F
ClientSampleId :
COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.7	26.5
203	18.0	14.6	22.0

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2/25/2019 9:21:32 AM

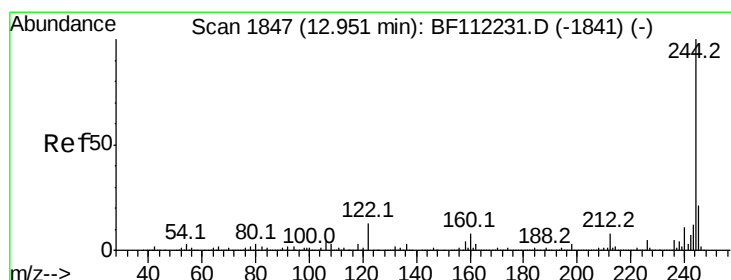
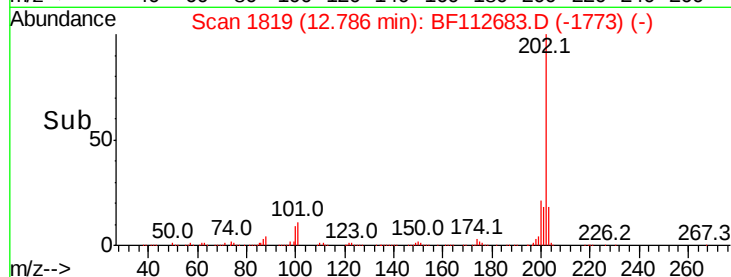
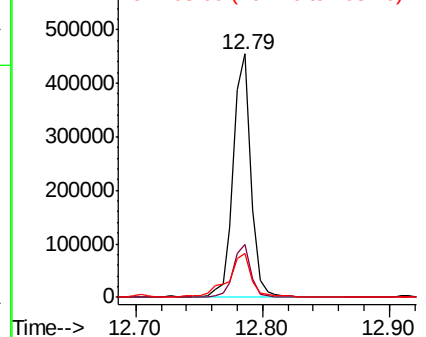


Abundance

Ion 202.00 (201.70 to 202.70): E

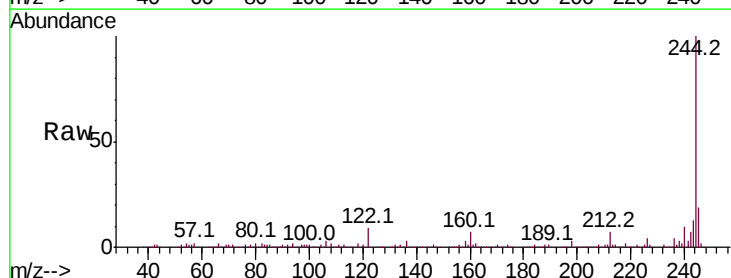
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 52.078 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.04 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	8.8	9.8	14.6#

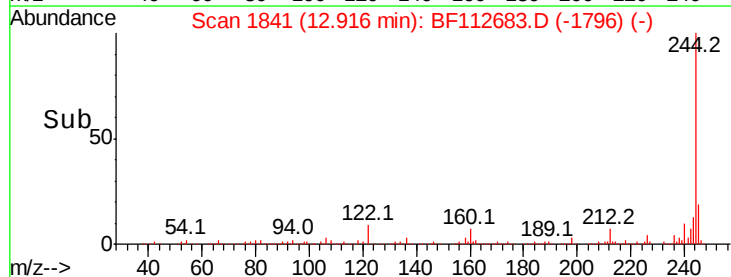
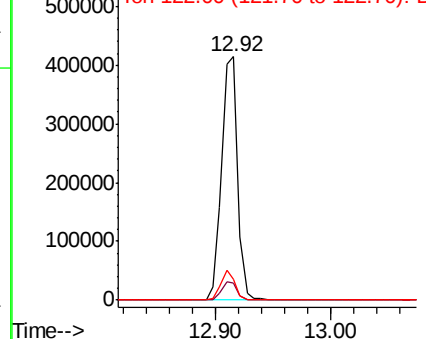


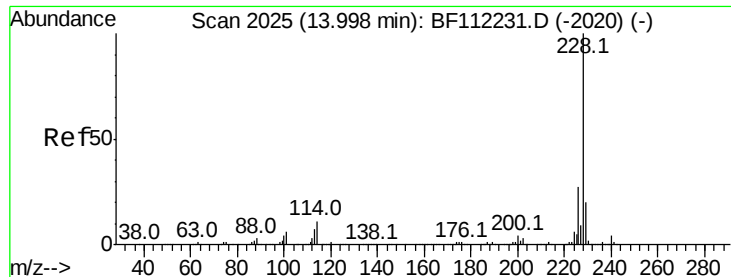
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





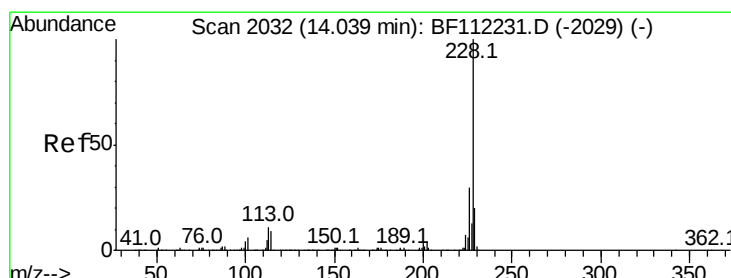
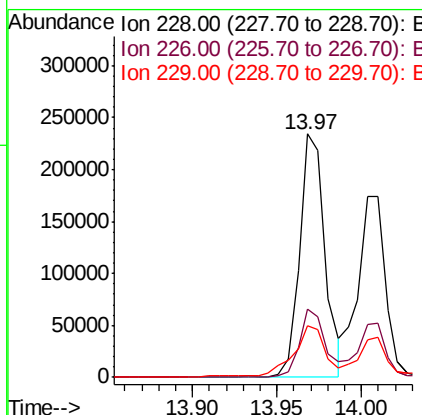
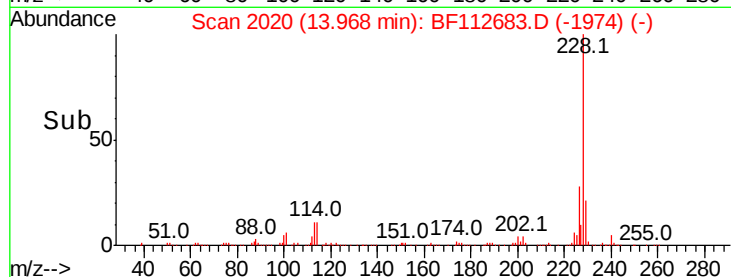
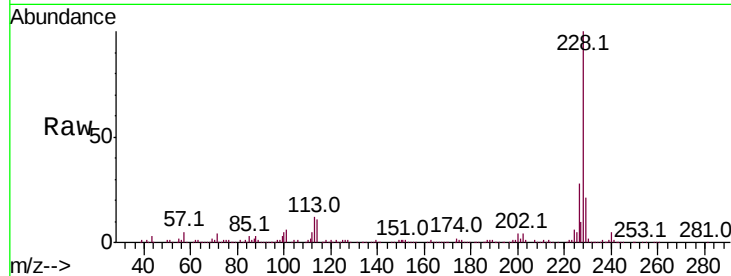
#81
Benzo(a)anthracene
Concen: 28.994 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Instrument :
BNA_F
ClientSampleId :
COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	21.2	16.5	24.7

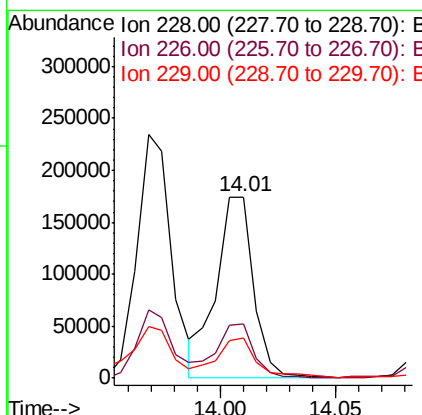
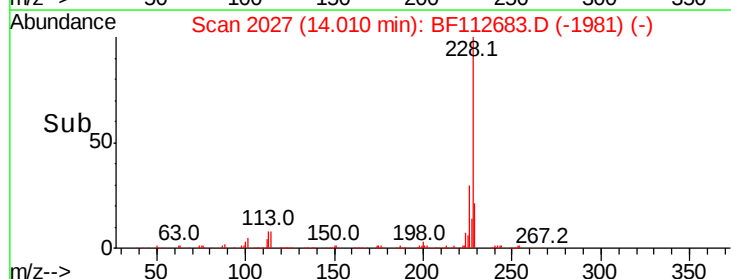
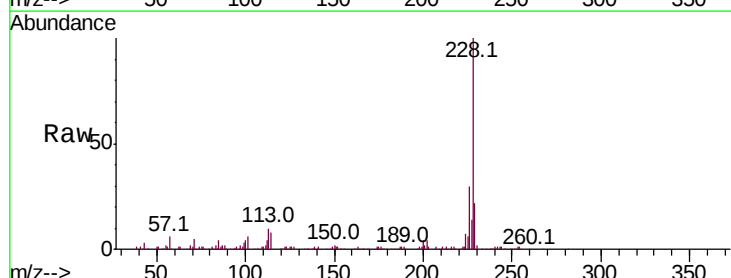
Manual Integrations
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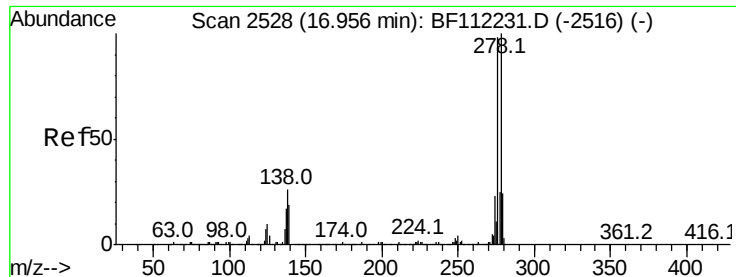
Sohil
2/25/2019 9:21:32 AM



#83
Chrysene
Concen: 24.095 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.1	16.6	24.8





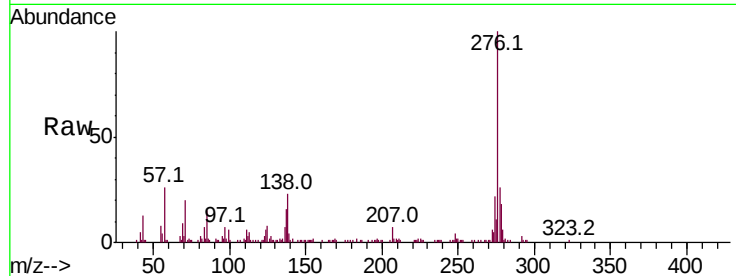
#86
Indeno(1,2,3-cd)pyrene
Concen: 16.867 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.02 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Instrument :
BNA_F
ClientSampleId :
COMP

Tot Ion	Ratio	Resp	Lower	Upper
276	100	108061		
138	22.5		22.6	34.0#
277	23.8		20.3	30.5

Manual Integrations
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2/25/2019 9:21:32 AM

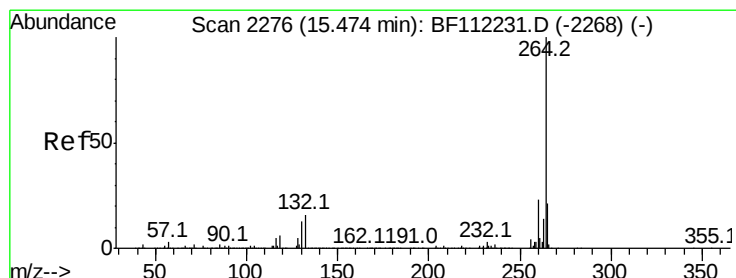
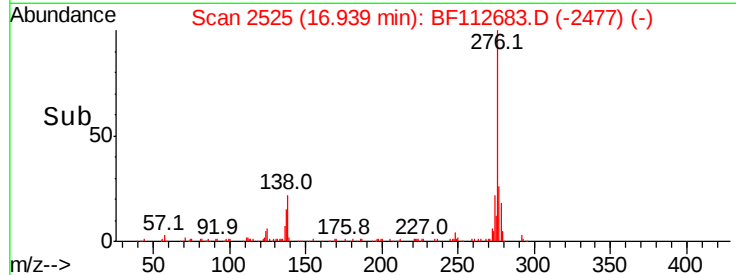
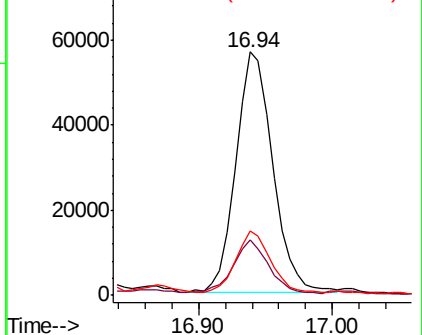


Abundance

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: 15.45 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

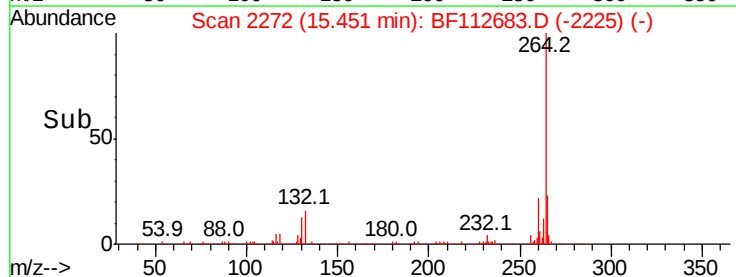
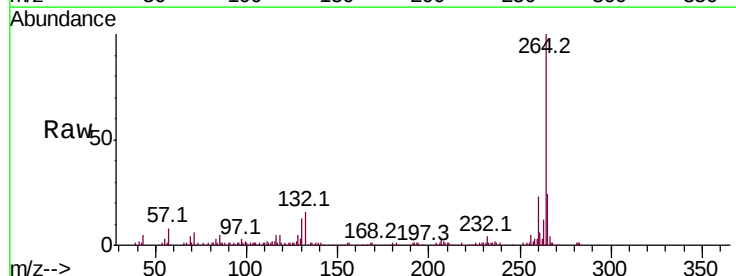
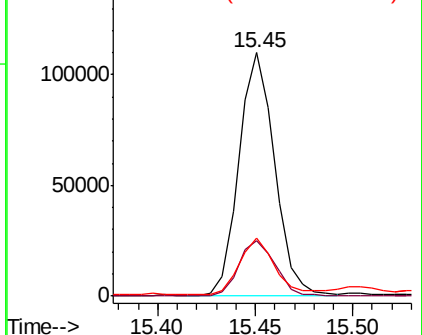
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	139891		
260	22.8		18.2	27.2
265	23.8		17.0	25.4

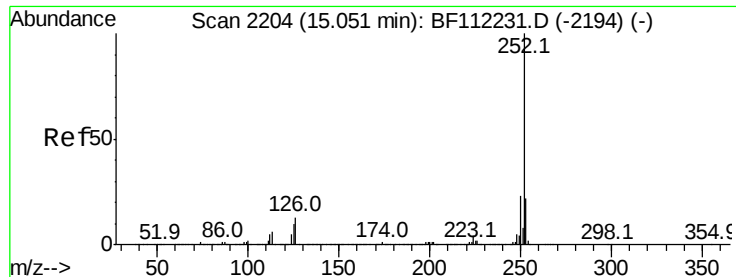
Abundance

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





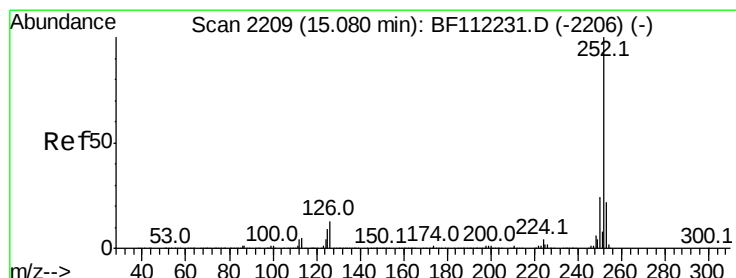
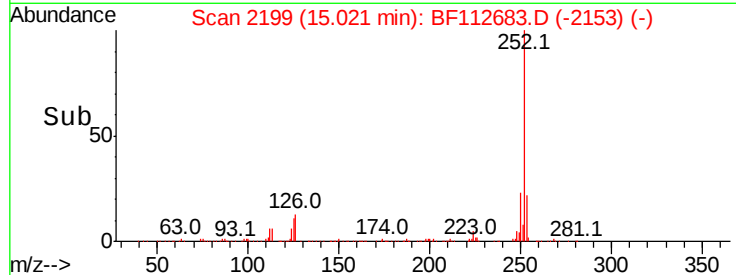
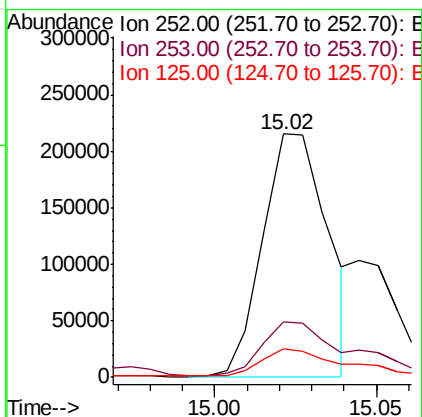
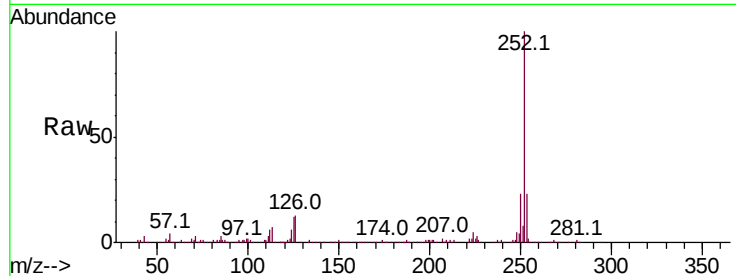
#88
Benzo(b)fluoranthene
Concen: 35.986 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Instrument :
BNA_F
ClientSampled :
COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.7	8.7	13.1

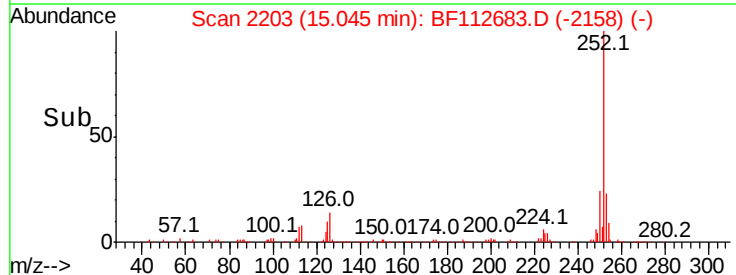
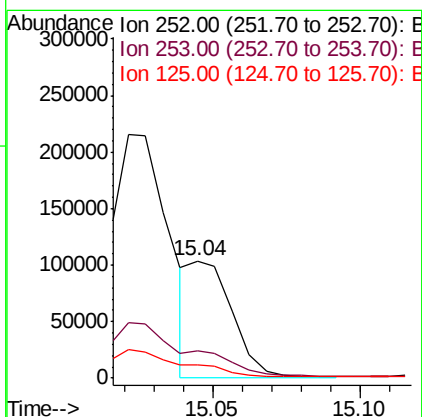
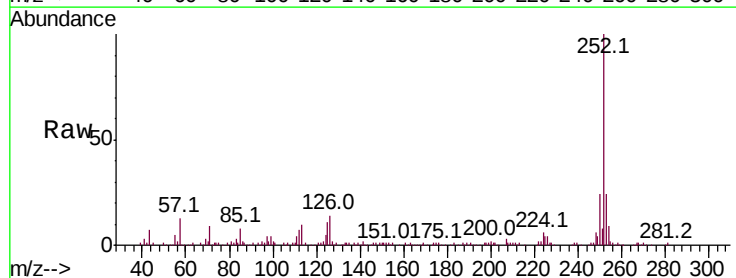
Manual Integrations
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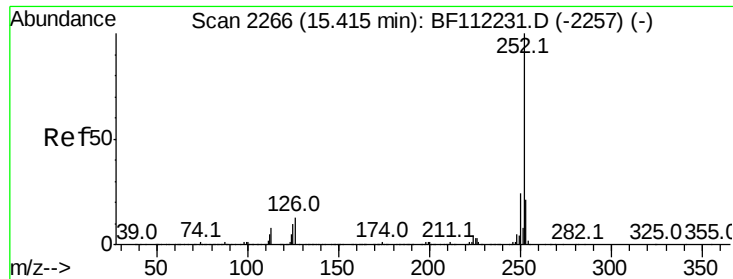
Sohil
2/25/2019 9:21:32 AM



#89
Benzo(k)fluoranthene
Concen: 13.033 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.4	9.1	13.7





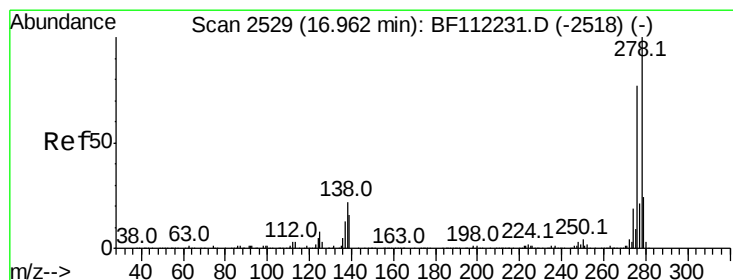
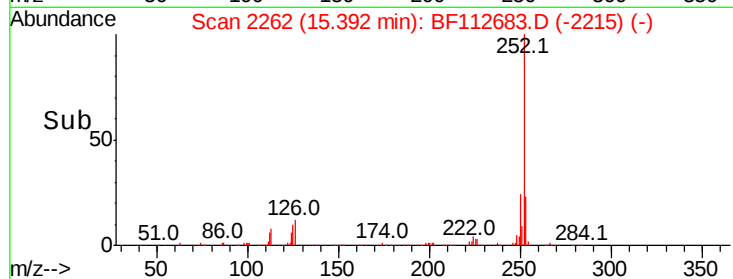
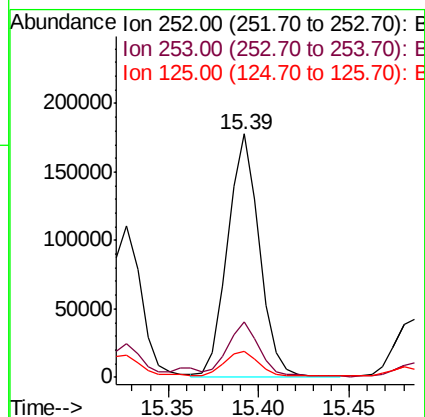
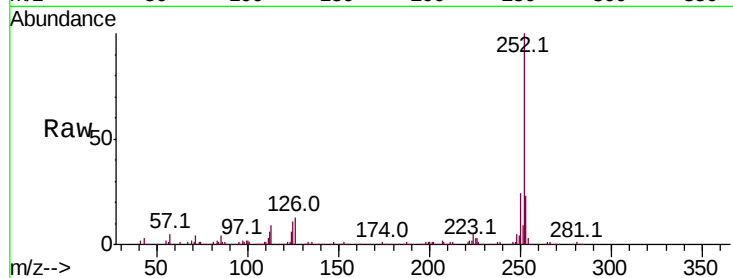
#90
Benzo(a)pyrene
Concen: 28.576 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.02 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Instrument :
BNA_F
ClientSampled :
COMP

Tot Ion:	252	Resp:	215110
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	10.9	9.0	13.4

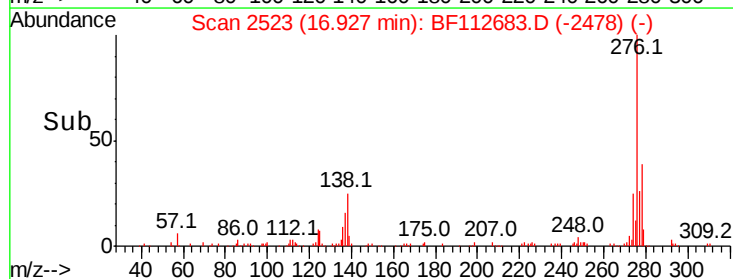
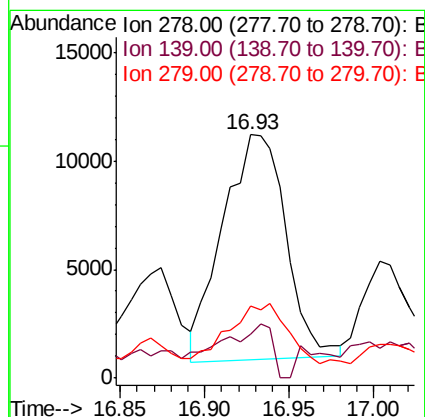
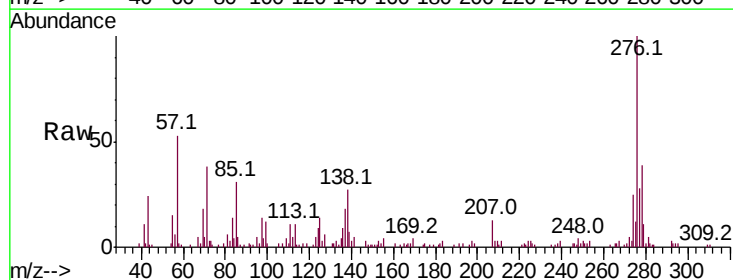
Manual Integrations
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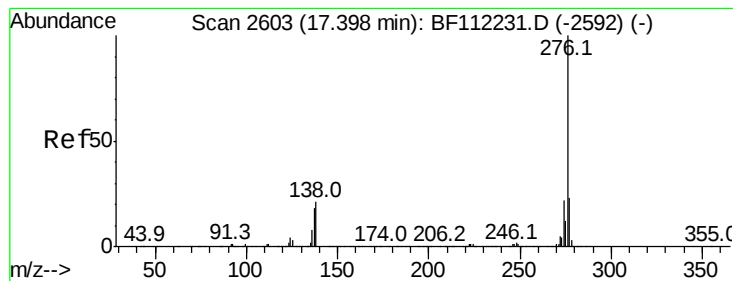
Sohil
2/25/2019 9:21:32 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.413 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.04 min
Lab File: BF112683.D
Acq: 22 Feb 2019 23:49

Tgt Ion:	278	Resp:	26775
Ion Ratio	Lower	Upper	
278	100		
139	18.0	13.7	20.5
279	29.6	19.0	28.6#





#92

Benzo(a,h,i)perylene

Concen: 17.306 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BF112683.D

Acq: 22 Feb 2019 23:49

Instrument :

BNA_F

ClientSampleId :

COMP

Tot Ion:	276	Resp:	99059
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.4	29.0
138	20.6	19.1	28.7

Manual Integrations
APPROVED

Sohil
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