

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116851.D
 Acq On : 5 Sep 2019 21:08
 Operator : HP/JU
 Sample : K4692-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-COMP

Manual Integrations
 APPROVED

mohammad
 9/10/2019 9:55:33 AM

Quant Time: Sep 06 05:44:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	64322	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	259229	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	130844	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	201573	20.00	ng	0.00
76) Chrysene-d12	14.00	240	146476	20.00	ng	0.00
87) Perylene-d12	15.46	264	110766	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	525796	132.43	ng	0.00
7) Phenol-d6	6.49	99	723881	138.85	ng	0.00
23) Nitrobenzene-d5	7.41	82	447120	98.46	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	140649	160.79	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	704337	90.81	ng	0.00
79) Terphenyl-d14	12.95	244	574421	72.55	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.50	94	23679	4.102	ng	91
31) Naphthalene	8.15	128	32250	2.616	ng	99
37) 2-Methylnaphthalene	8.84	142	17948	2.188	ng	95
50) Dimethylphthalate	9.59	163	116475	12.894	ng	97
52) Acenaphthene	9.91	154	25230	3.454	ng	97
58) Fluorene	10.43	166	36680	4.675	ng	99
71) Phenanthrene	11.39	178	299253	26.669	ng	99
72) Anthracene	11.44	178	58334	5.164	ng	97
75) Fluoranthene	12.58	202	277629	25.176	ng	99
78) Pyrene	12.81	202	280865	21.571	ng	100
81) Benzo(a)anthracene	13.99	228	111091	11.983	ng	98
83) Chrysene	14.03	228	117781m	12.332	ng	
86) Indeno(1,2,3-cd)pyrene	16.92	276	35400	4.615	ng	94
88) Benzo(b)fluoranthene	15.04	252	101864m	15.211	ng	
89) Benzo(k)fluoranthene	15.06	252	21676m	3.550	ng	
90) Benzo(a)pyrene	15.40	252	65595	11.259	ng	98
92) Benzo(a,h,i)perylene	17.36	276	36068	6.935	ng	94

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

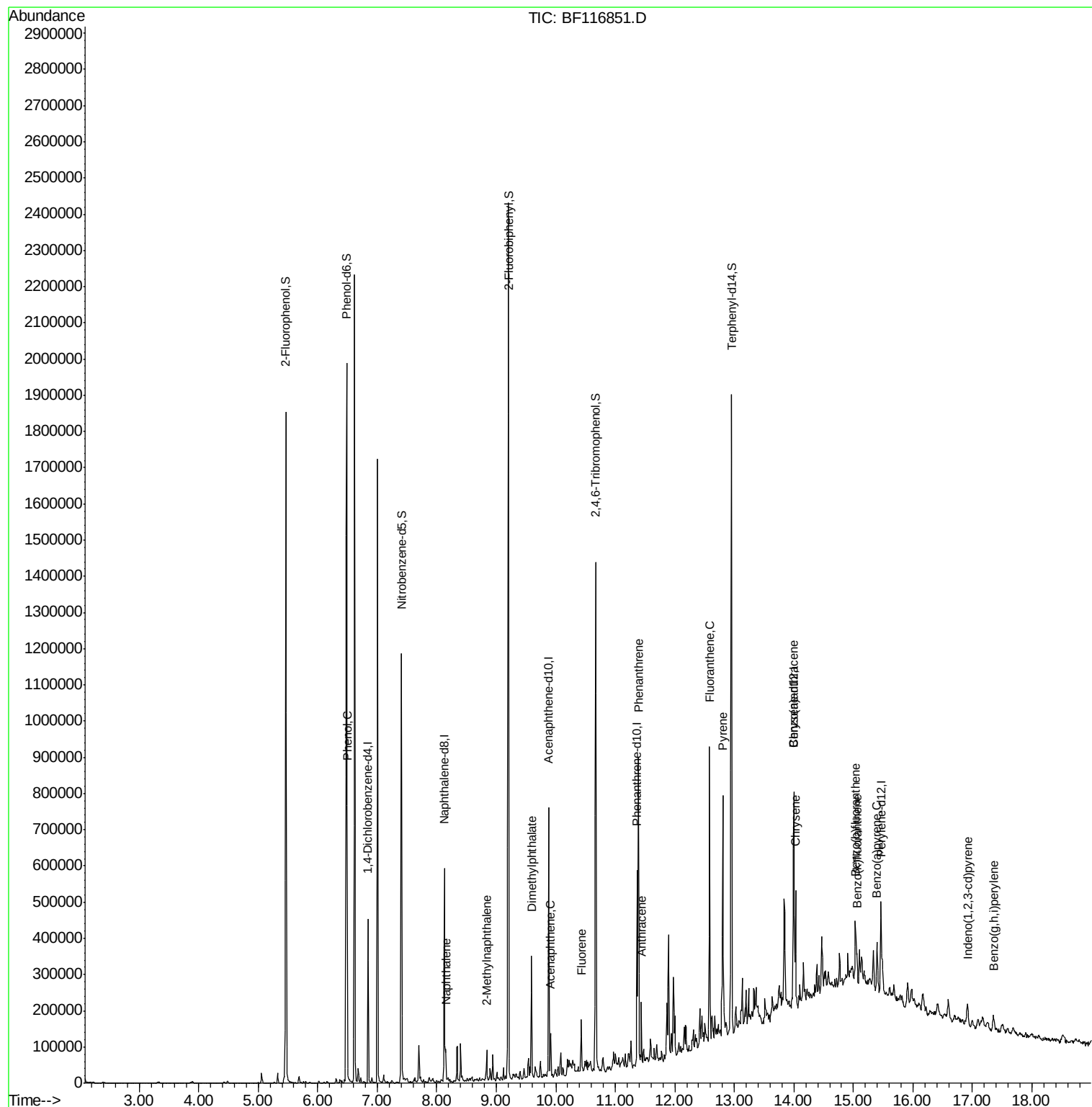
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

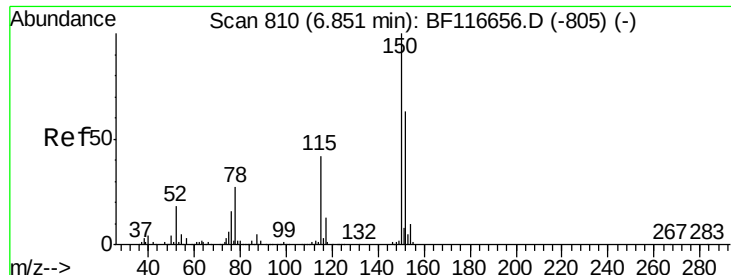
Instrument :
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#1

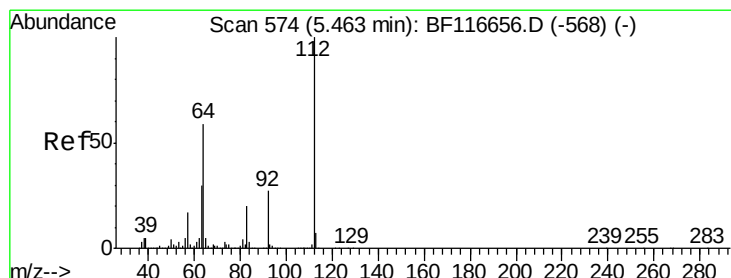
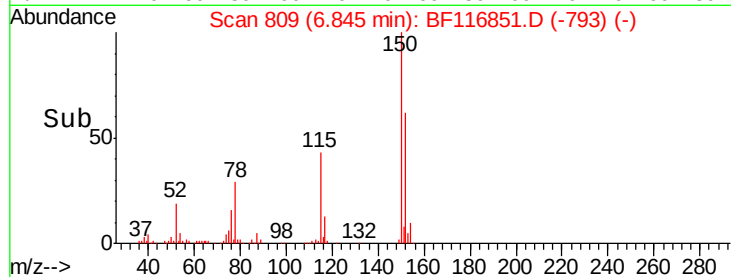
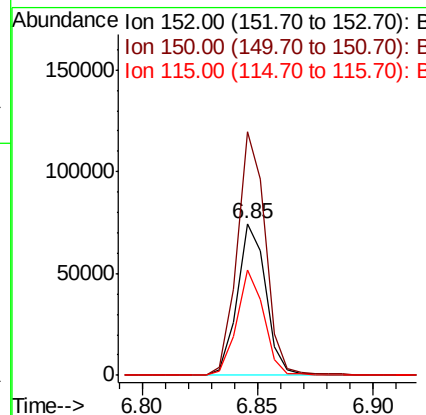
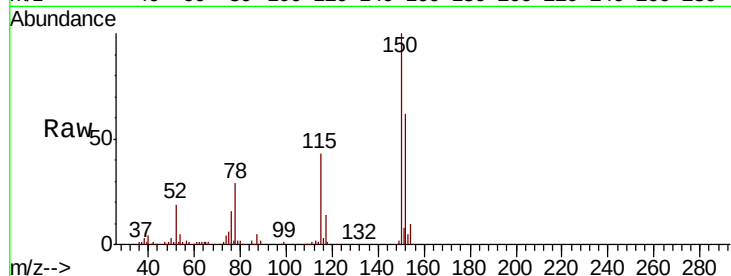
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.4	186.6
115	69.2	49.9	74.9

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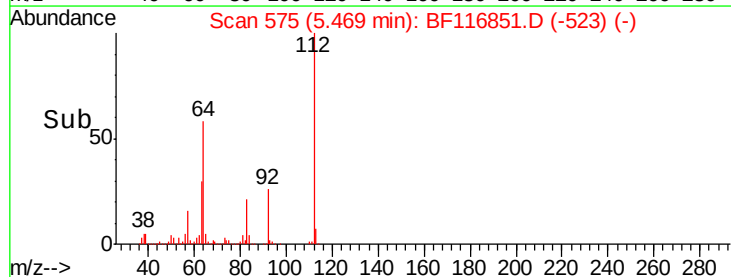
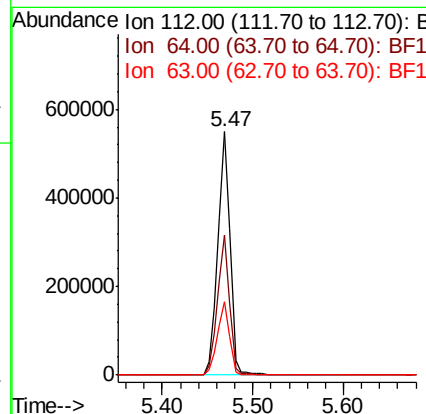
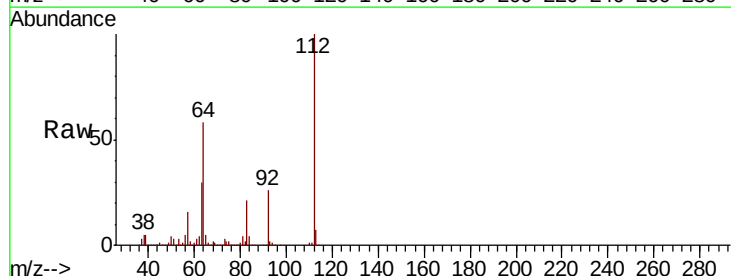
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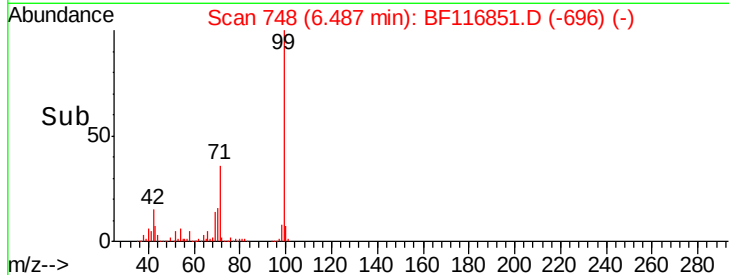
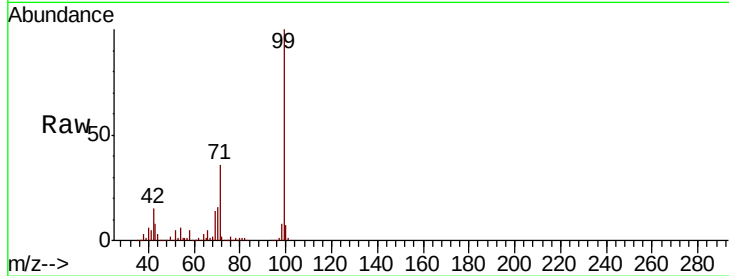
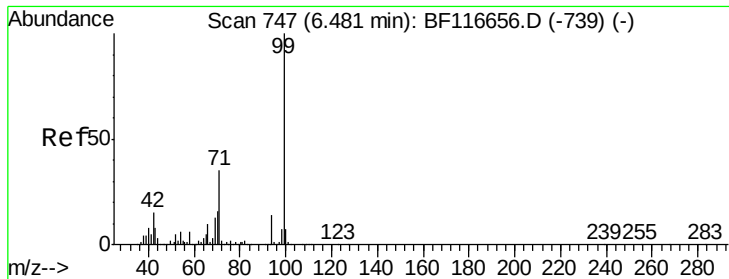


#5

2-Fluorophenol
Concen: 132.431 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.1	70.7
63	29.9	24.9	37.3





#7

Phenol-d6

Concen: 138.847 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Tot Ion:	99	Resp:	723881
Ion Ratio	Lower	Upper	
99	100		
42	15.1	13.7	20.5
71	36.5	30.8	46.2

Instrument :

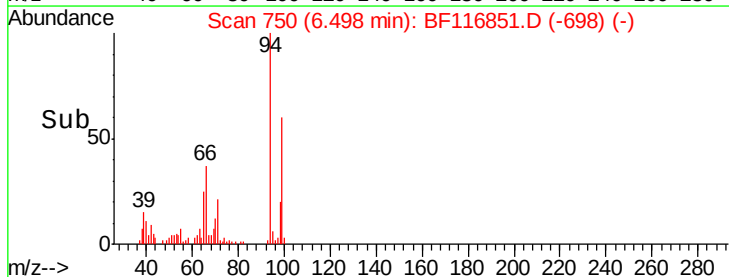
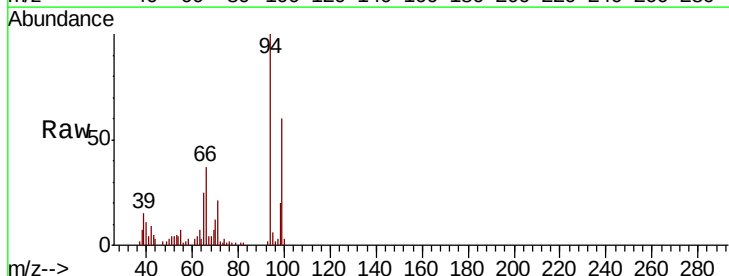
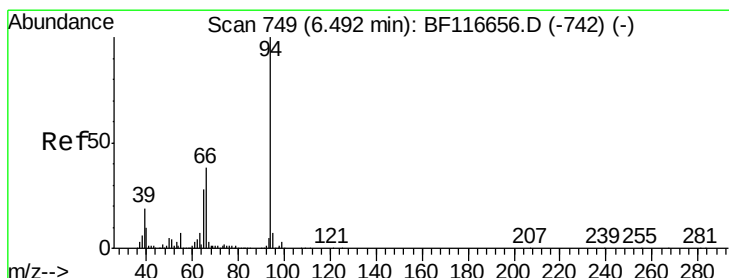
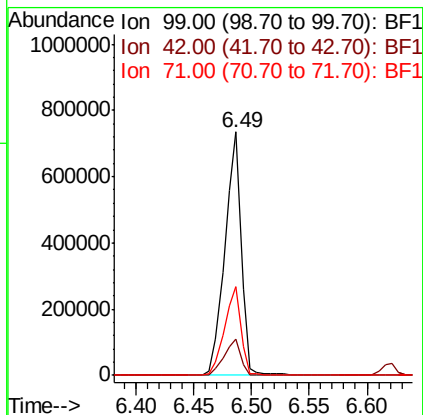
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 4.102 ng

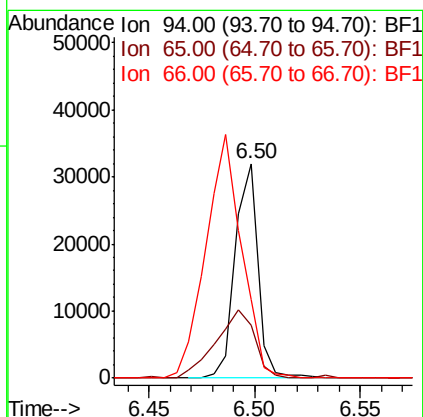
RT: 6.50 min Scan# 750

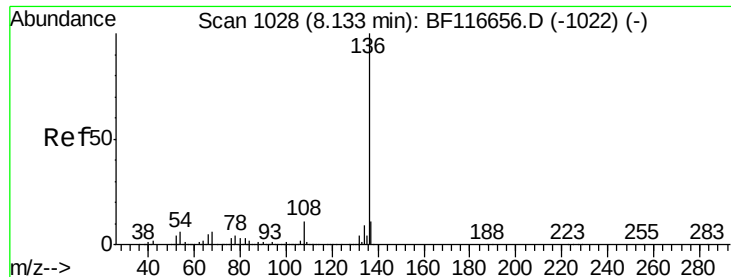
Delta R.T. 0.01 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Tgt Ion:	94	Resp:	23679
Ion Ratio	Lower	Upper	
94	100		
65	24.7	10.8	50.8
66	36.7	21.1	61.1





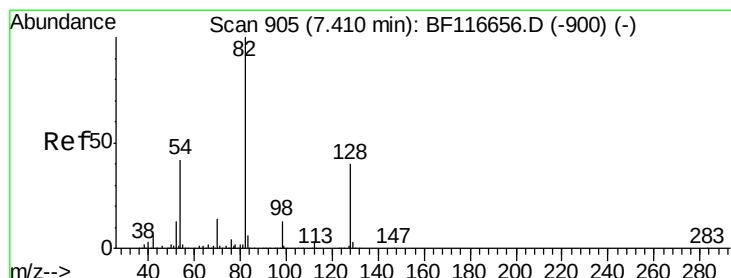
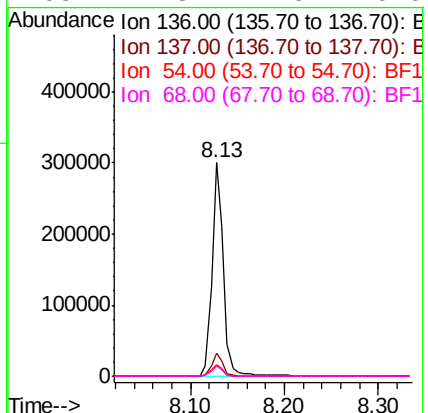
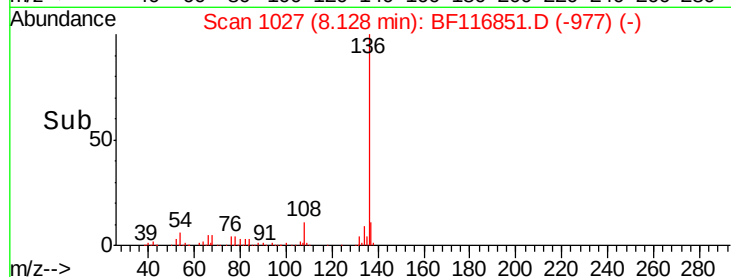
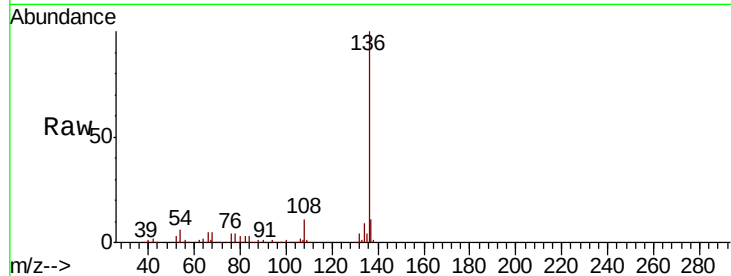
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		259229		
137	10.5		8.9	13.3	
54	5.6		4.8	7.2	
68	4.8		4.0	6.0	

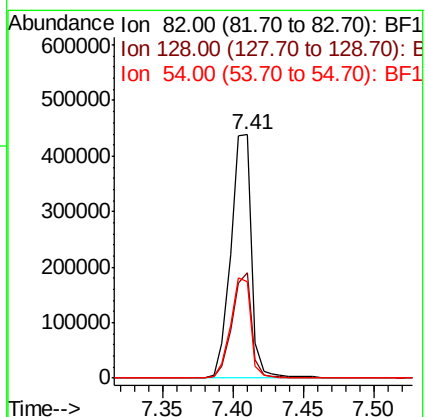
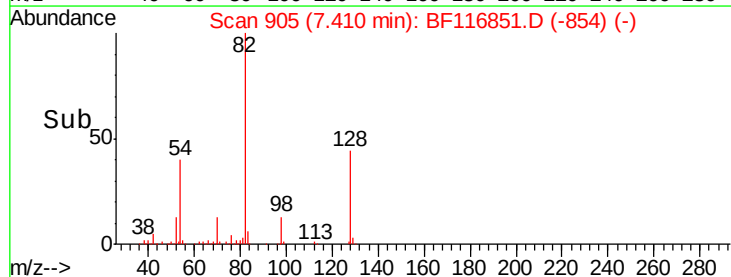
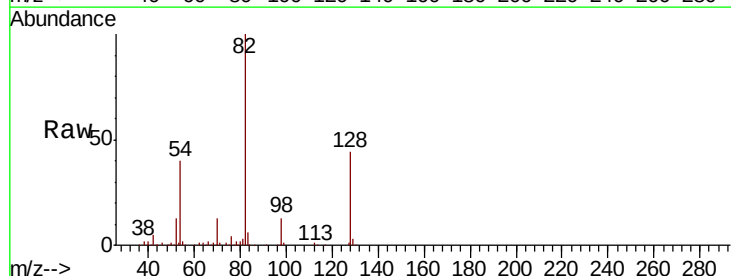
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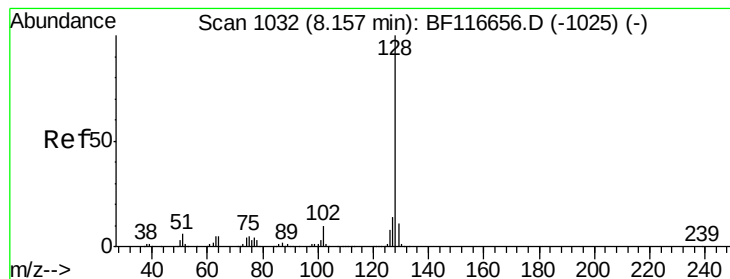
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#23
Nitrobenzene-d5
Concen: 98.465 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		447120		
128	43.5		32.8	49.2	
54	39.7		36.9	55.3	





#31

Naphthalene

Concen: 2.616 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Instrument :

BNA_F

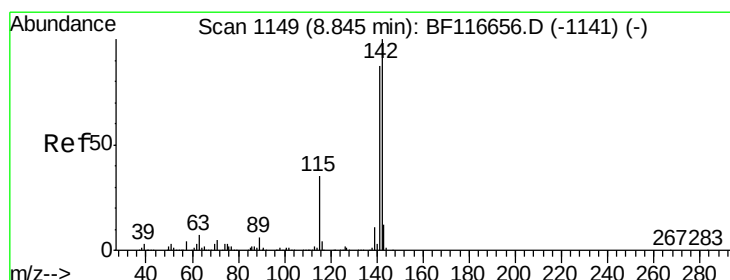
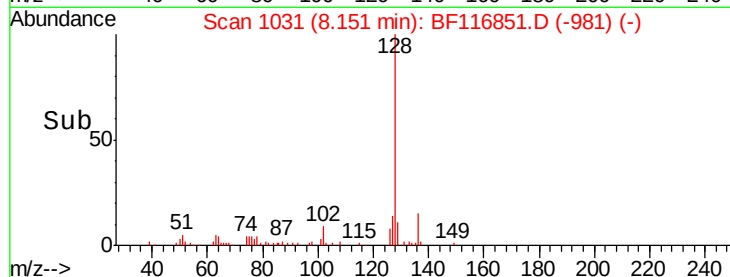
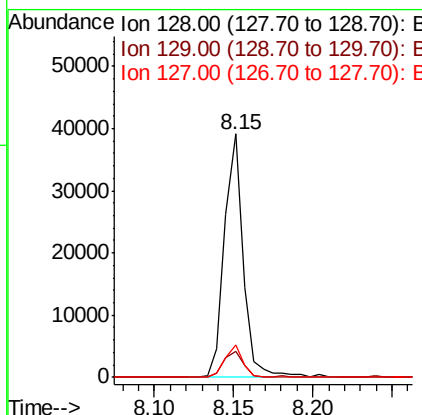
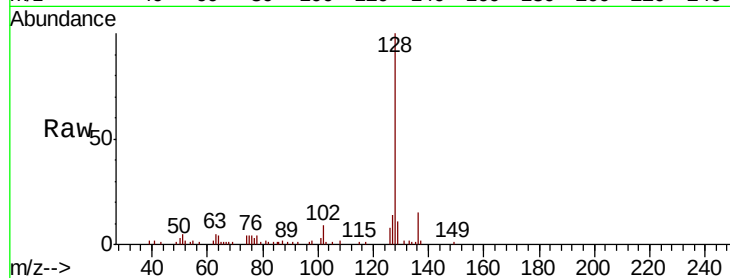
ClientSampleId :

SB-27-COMP

Tot Ion:	128	Resp:	32250
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	13.0
127	13.6	10.4	15.6

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#37

2-Methylnaphthalene

Concen: 2.188 ng

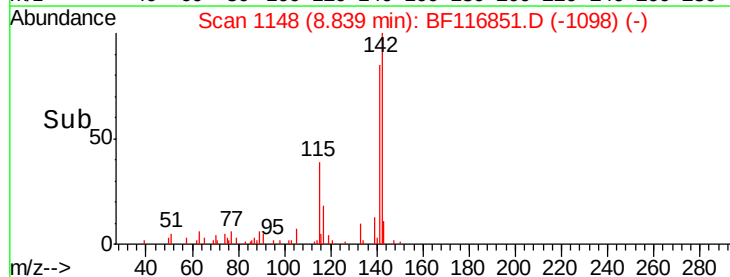
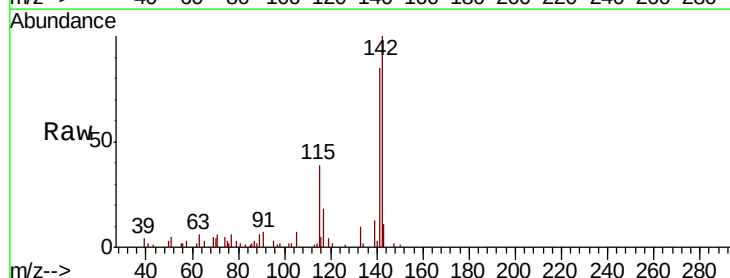
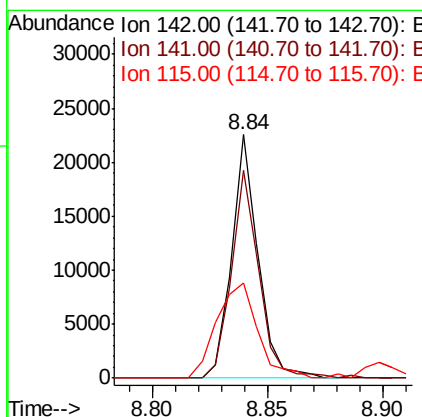
RT: 8.84 min Scan# 1148

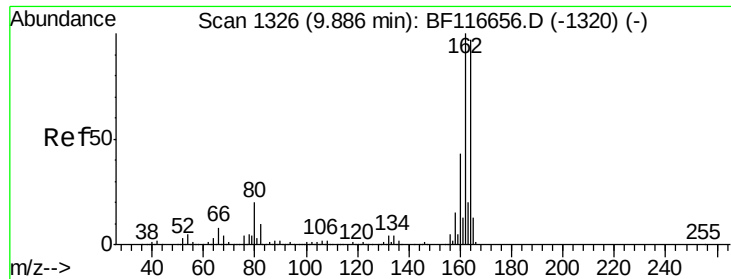
Delta R.T. -0.01 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Tgt Ion:	142	Resp:	17948
Ion Ratio	Lower	Upper	
142	100		
141	85.4	72.6	109.0
115	39.3	29.8	44.6





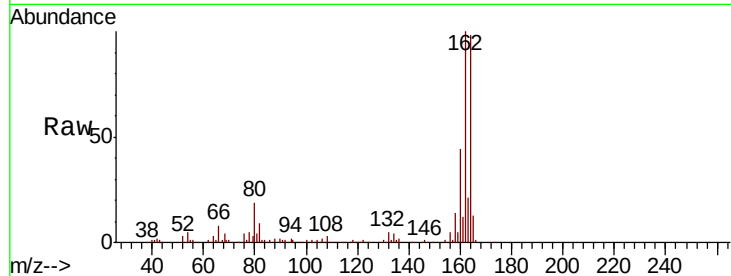
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	130844		
162	102.1	81.4	122.0	
160	44.9	35.4	53.2	

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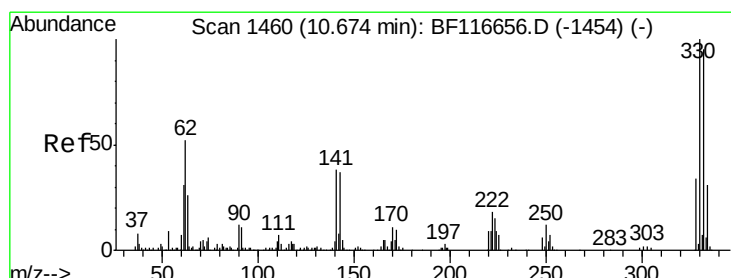
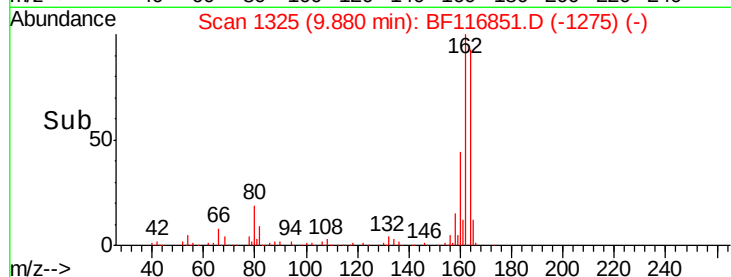
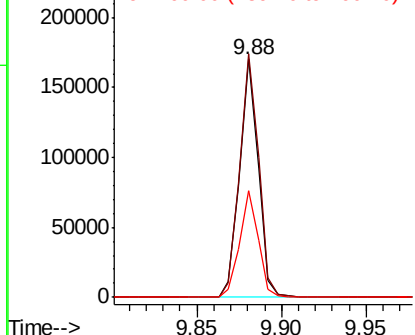


Abundance

Ion 164.00 (163.70 to 164.70): E

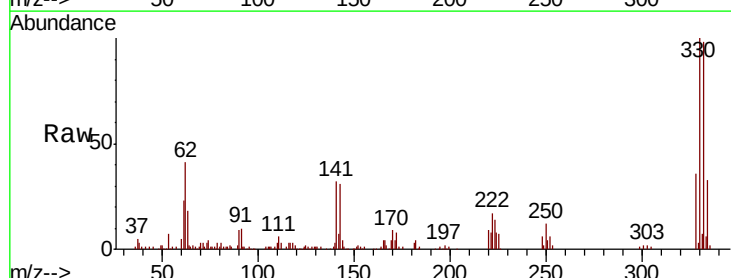
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 160.793 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	140649		
332	97.3	76.9	115.3	
141	46.1	31.4	47.2	

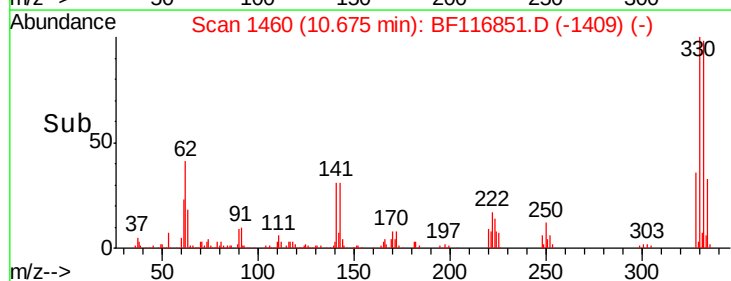
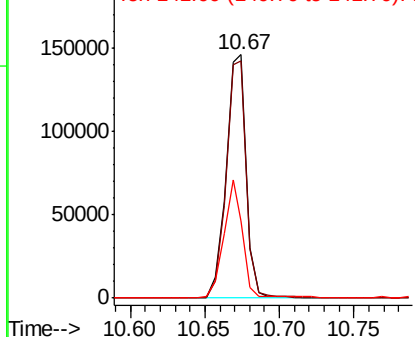


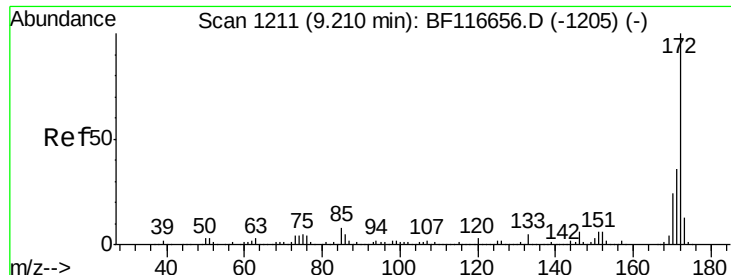
Abundance

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





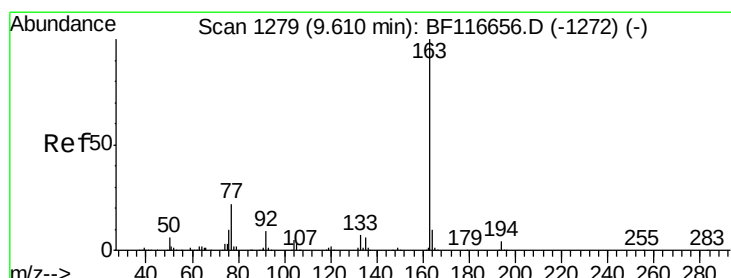
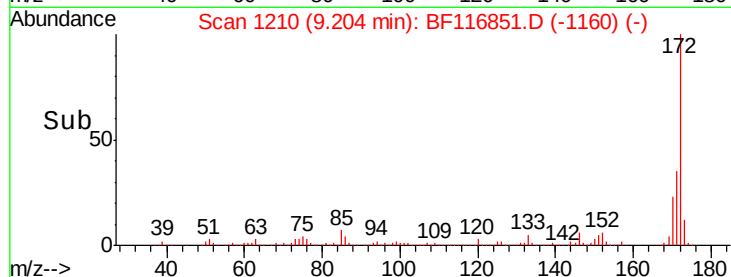
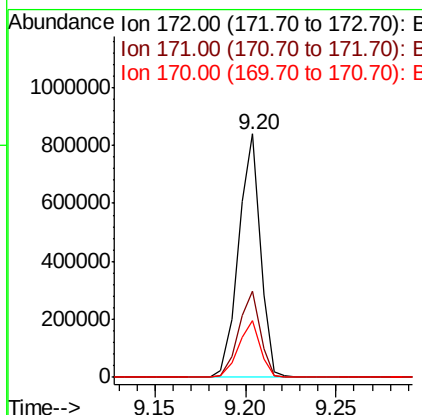
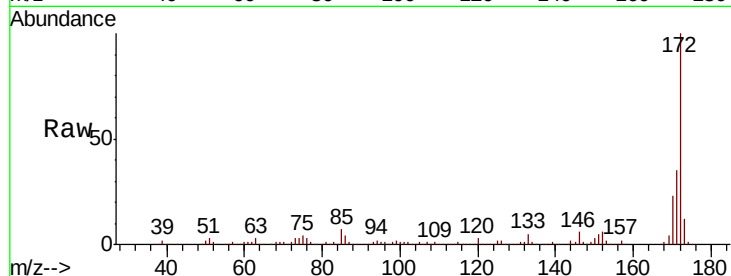
#45
2-Fluorobiphenyl
Concen: 90.806 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.6
170	23.4	18.9	28.3

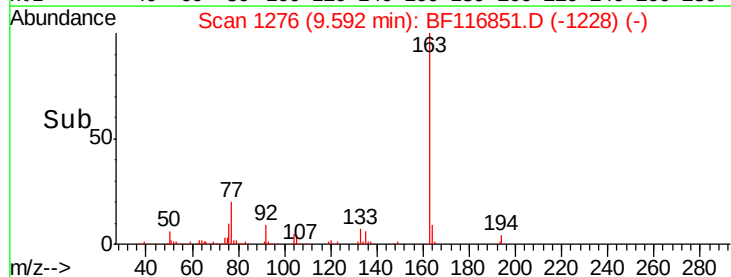
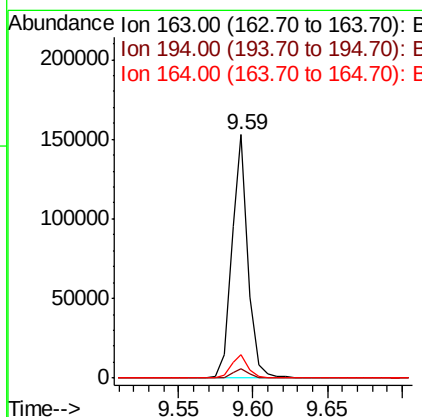
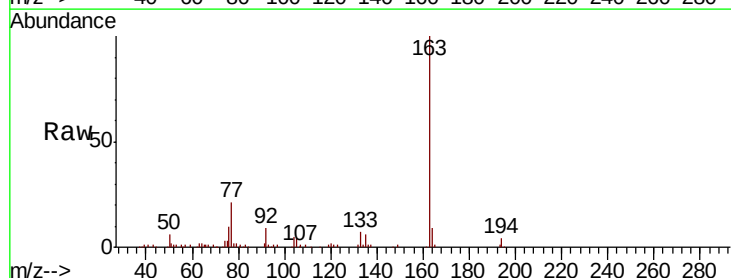
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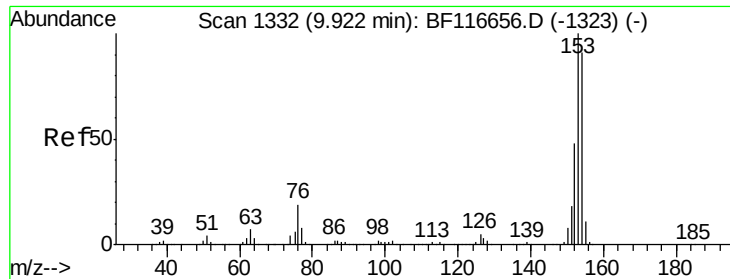
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#50
Dimethylphthalate
Concen: 12.894 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.4	8.6	12.8





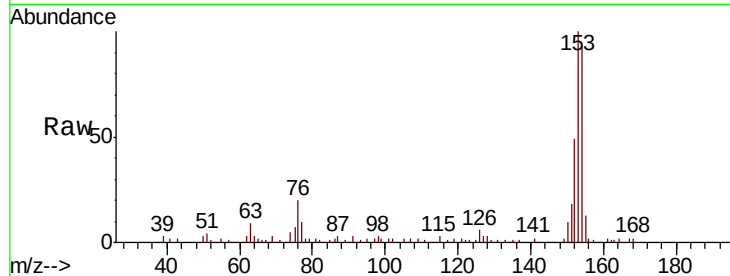
#52
Acenaphthene
Concen: 3.454 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion	Ratio	Lower	Upper
154	100		
153	107.9	89.5	134.3
152	52.5	41.9	62.9

Manual Integrations
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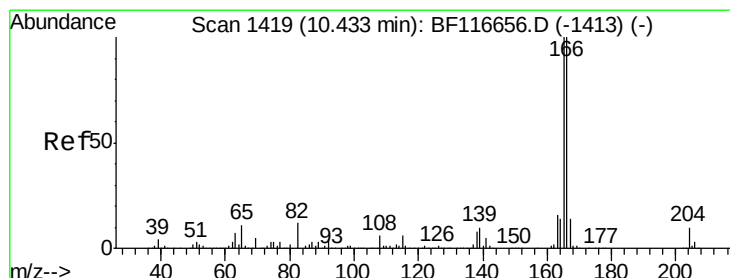
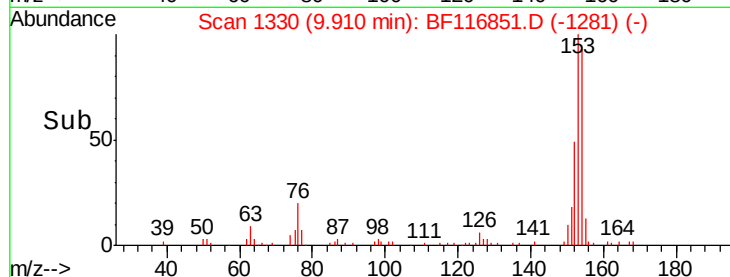
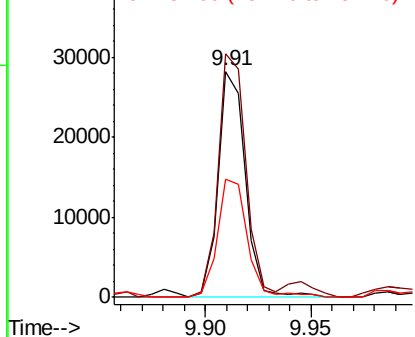


Abundance

Ion 154.00 (153.70 to 154.70): E

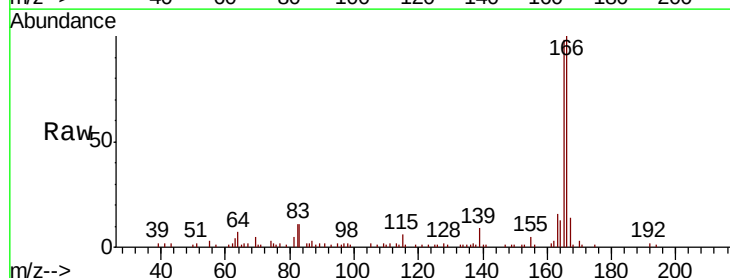
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58
Fluorene
Concen: 4.675 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.8	118.2
167	14.2	10.0	15.0

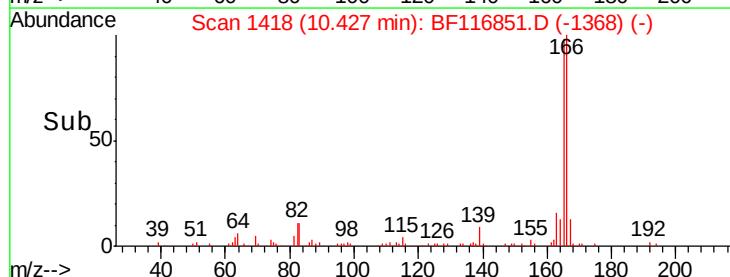
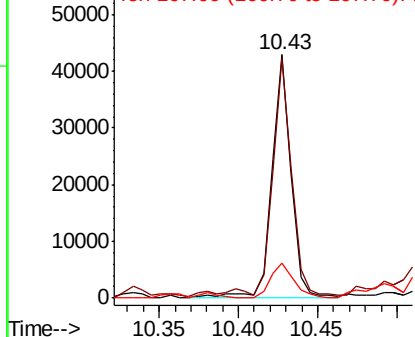


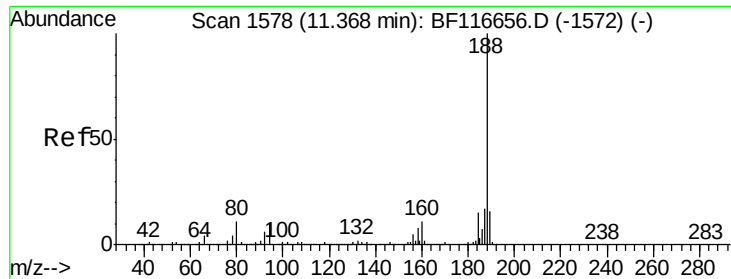
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





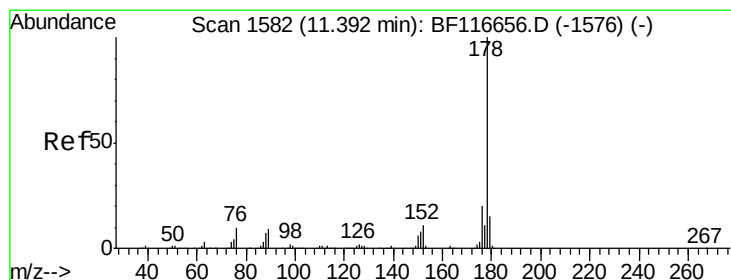
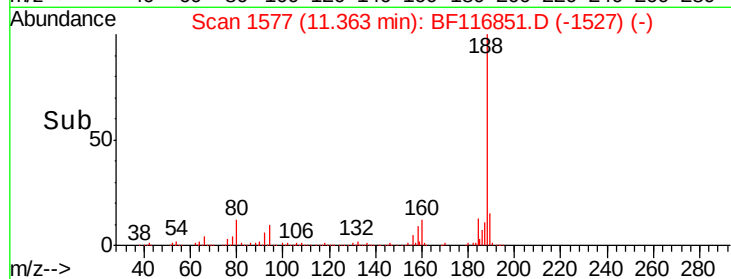
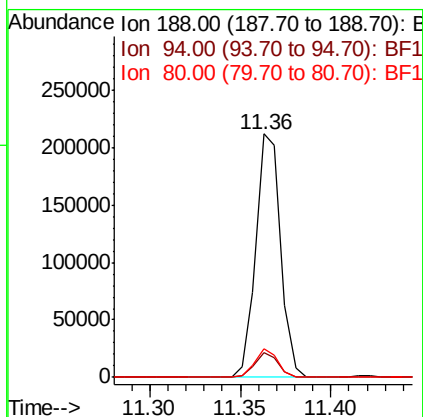
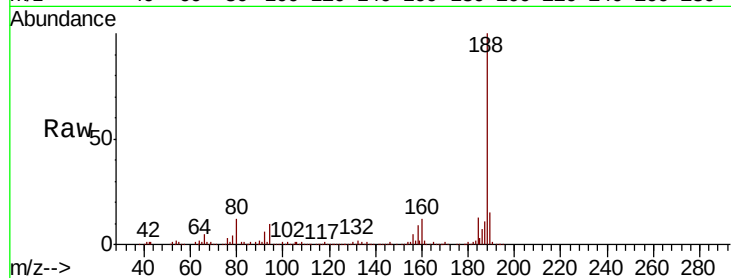
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.2	7.3	10.9
80	11.8	8.4	12.6

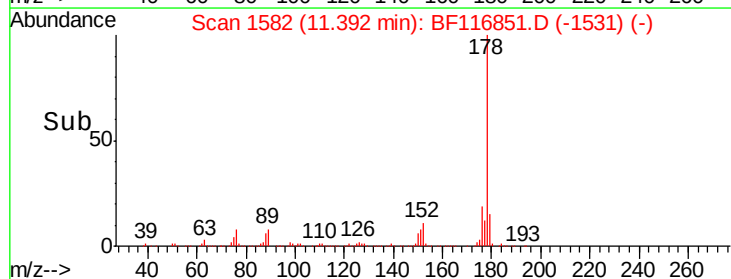
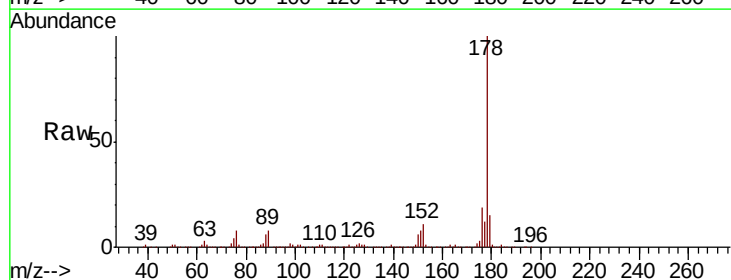
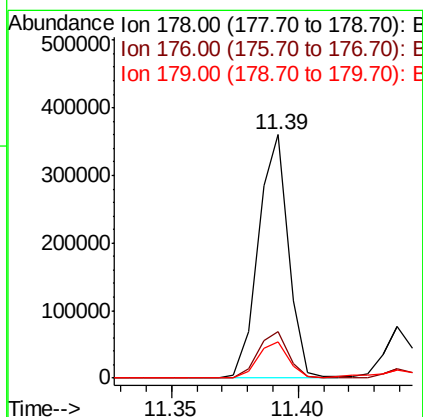
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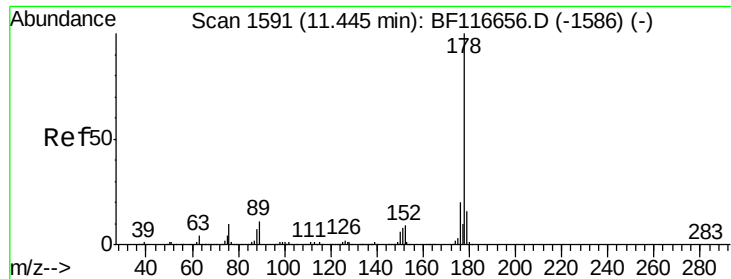
mohammad
9/10/2019 9:55:33 AM



#71
Phenanthrene
Concen: 26.669 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.4	23.0
179	14.7	12.2	18.2





#72

Anthracene

Concen: 5.164 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Instrument :

BNA_F

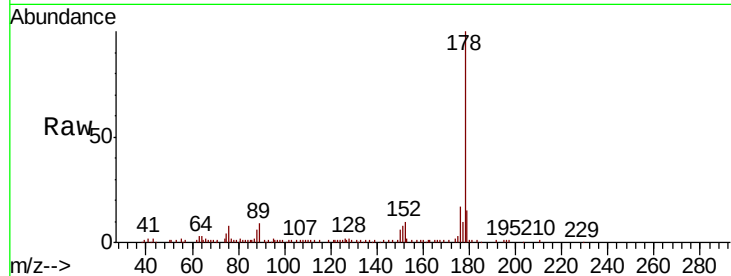
ClientSampleId :

SB-27-COMP

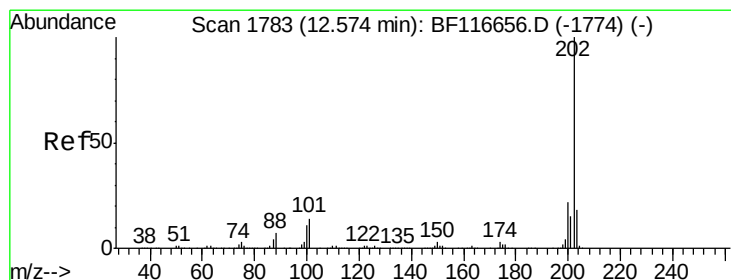
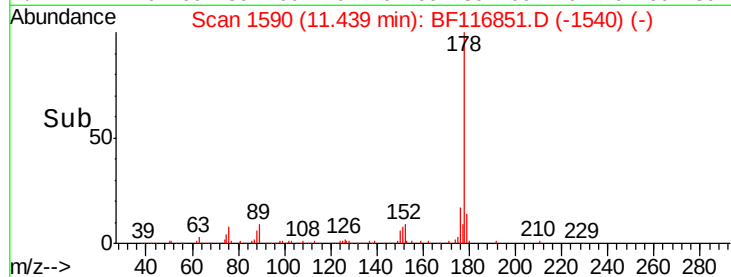
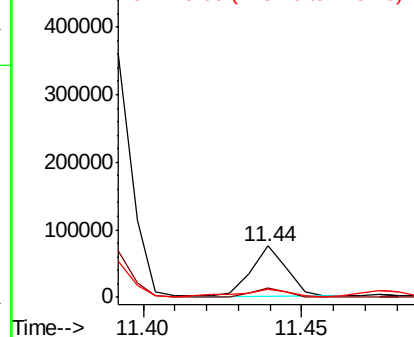
Tot Ion:	178	Resp:	58334
Ion Ratio	Lower	Upper	
178	100		
176	17.3	15.4	23.0
179	14.8	12.5	18.7

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 25.176 ng

RT: 12.58 min Scan# 1784

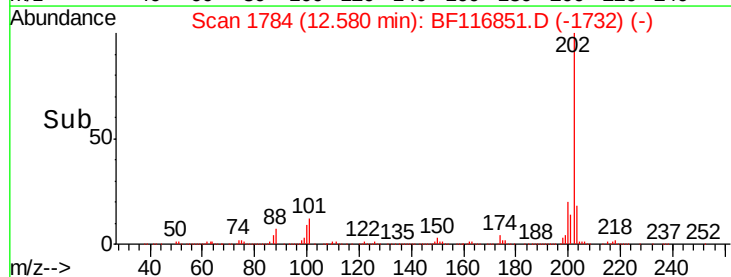
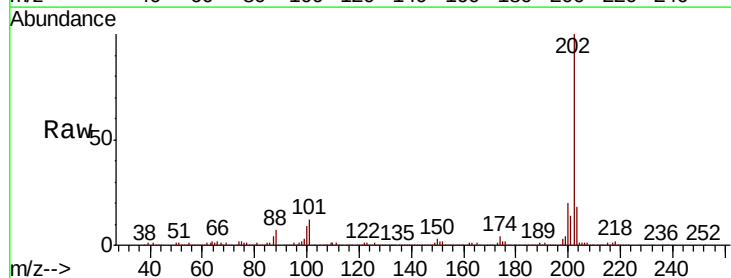
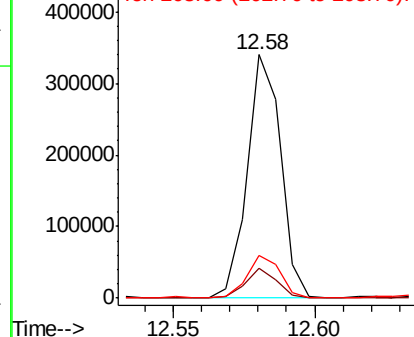
Delta R.T. 0.01 min

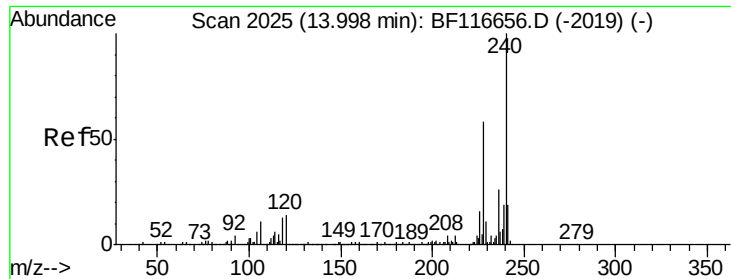
Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Tgt Ion:	202	Resp:	277629
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	31.3
203	17.6	0.0	37.6

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: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Instrument :

BNA_F

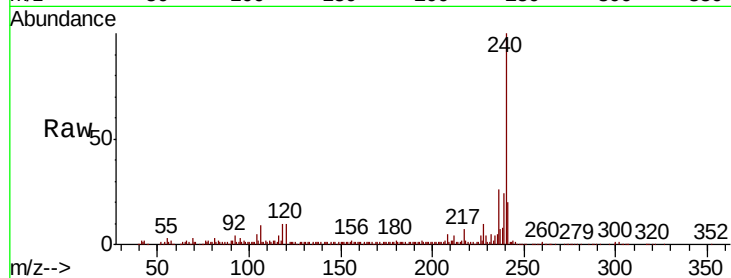
ClientSampleId :

SB-27-COMP

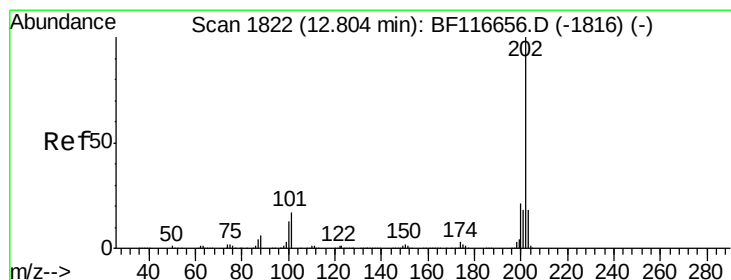
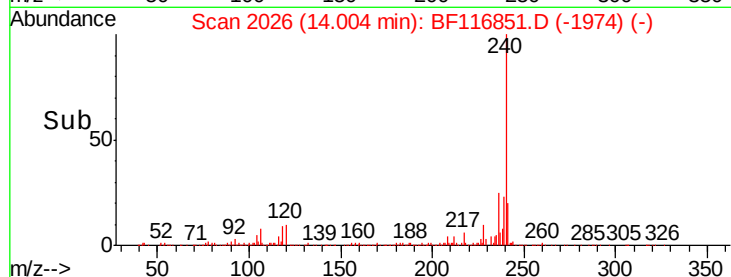
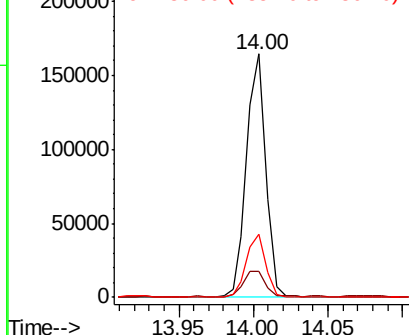
Tot Ion:	240	Resp:	146476
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.1	13.7
236	25.7	21.1	31.7

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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

Pyrene

Concen: 21.571 ng

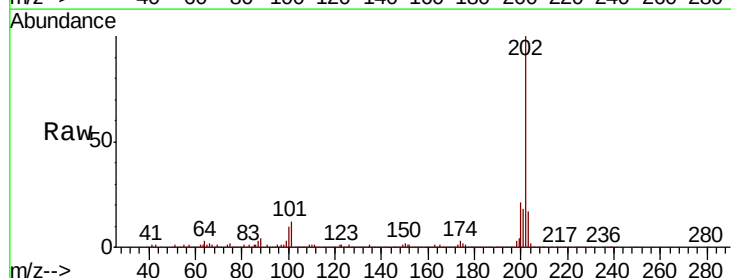
RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

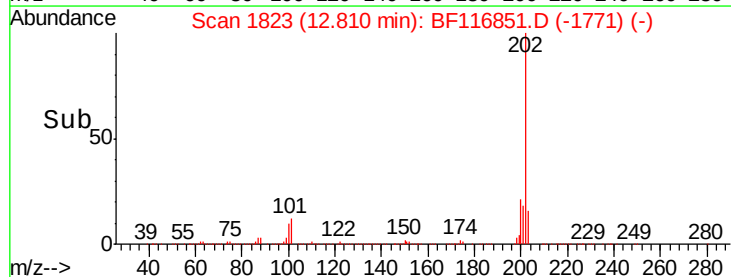
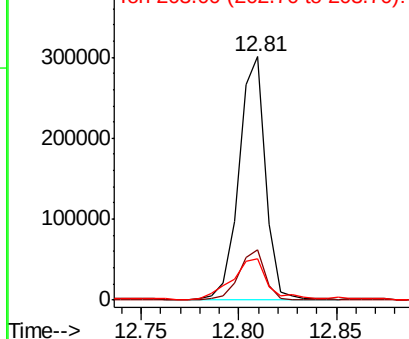
Lab File: BF116851.D

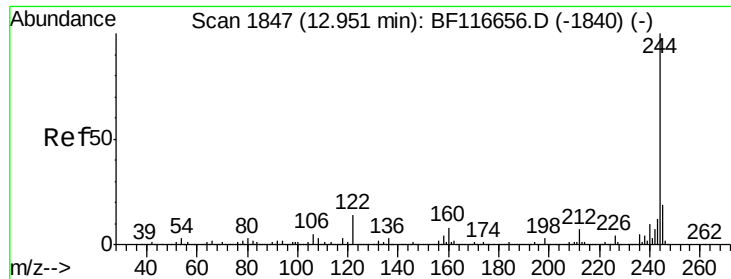
Acq: 5 Sep 2019 21:08

Tgt Ion:	202	Resp:	280865
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.5	24.7
203	16.8	13.7	20.5



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





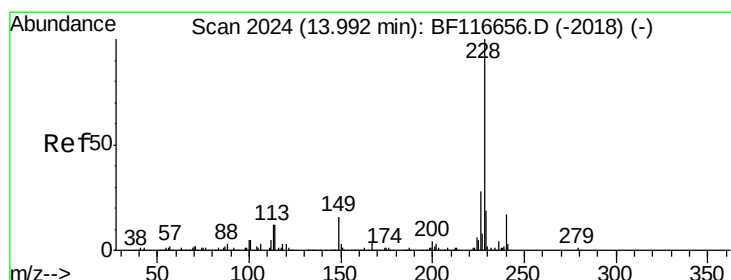
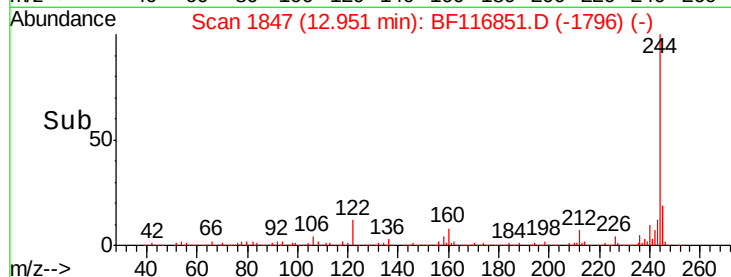
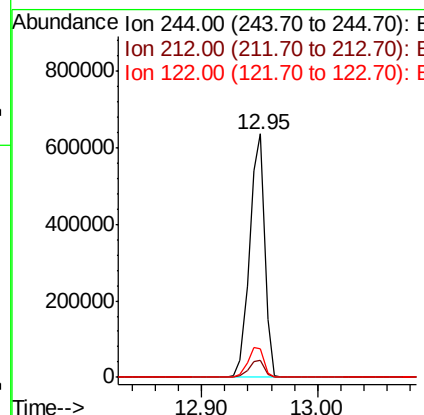
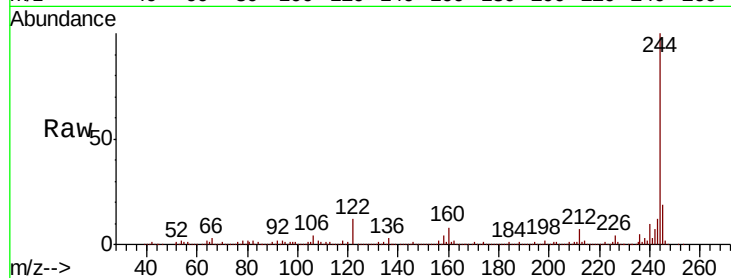
#79
 Terphenyl-d14
 Concen: 72.547 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BF116851.D
 Acq: 5 Sep 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-27-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	11.7	10.2	15.4

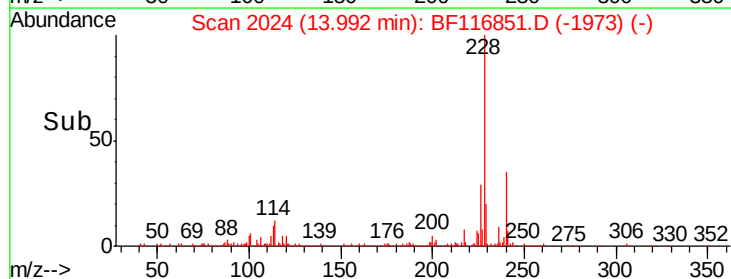
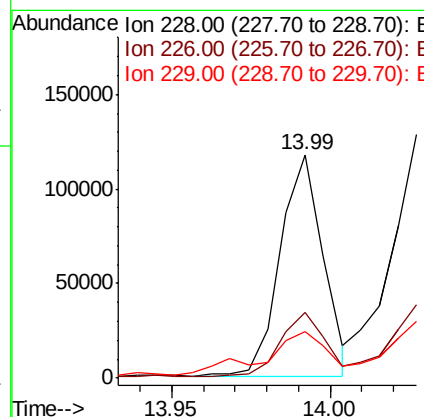
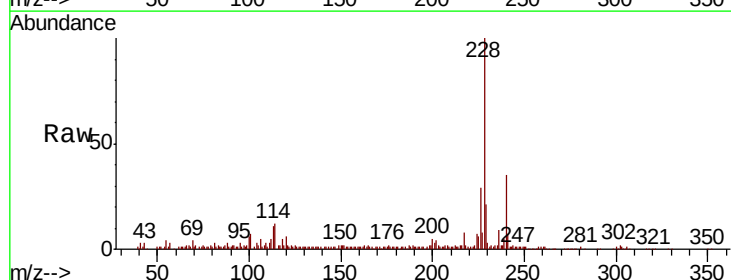
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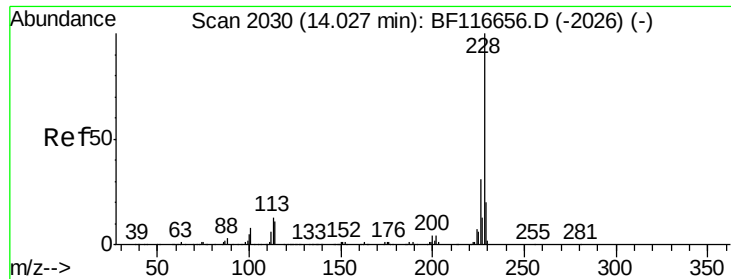
mohammad
 9/10/2019 9:55:33 AM



#81
 Benzo(a)anthracene
 Concen: 11.983 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF116851.D
 Acq: 5 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.0	33.0
229	20.8	16.4	24.6





#83

Chrysene

Concen: 12.332 ng/mL

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Instrument :

BNA_F

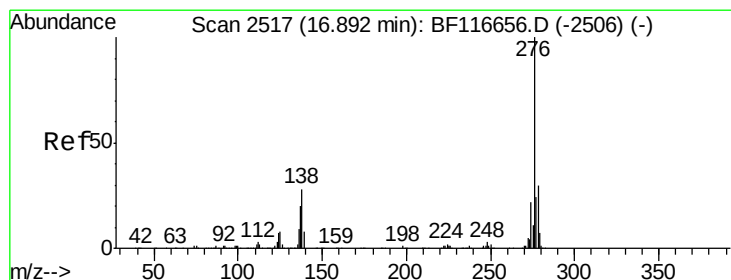
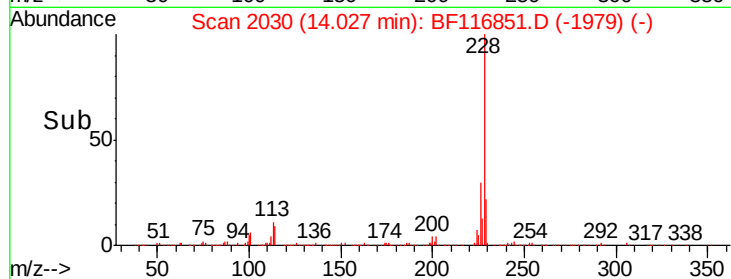
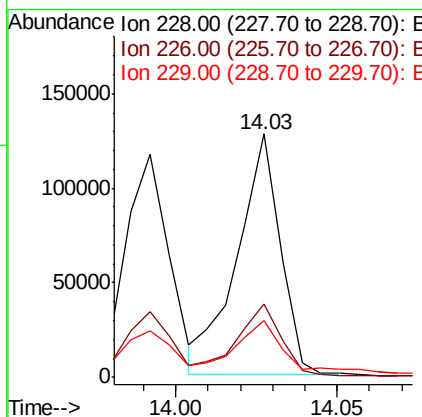
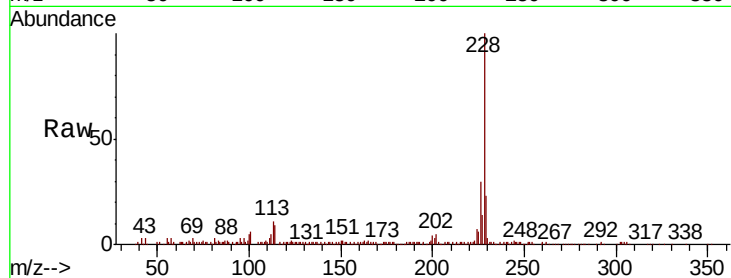
ClientSampleId :

SB-27-COMP

Tot Ion:	228	Resp:	117781
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.0	36.0
229	23.4	15.4	23.0

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#86

Indeno(1,2,3-cd)pyrene

Concen: 4.615 ng/mL

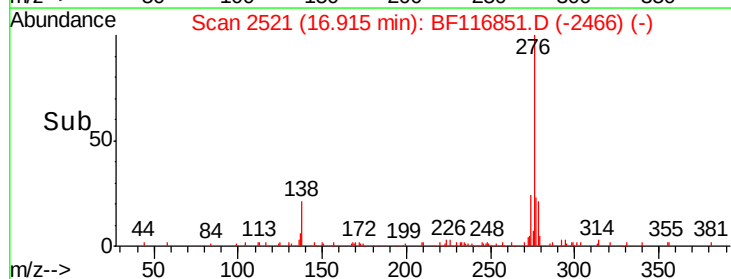
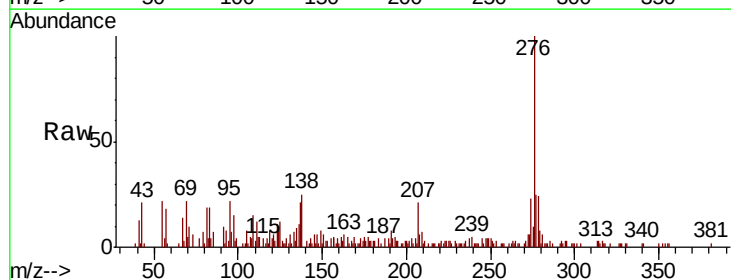
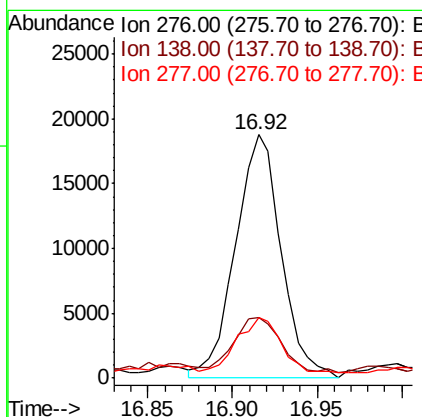
RT: 16.92 min Scan# 2521

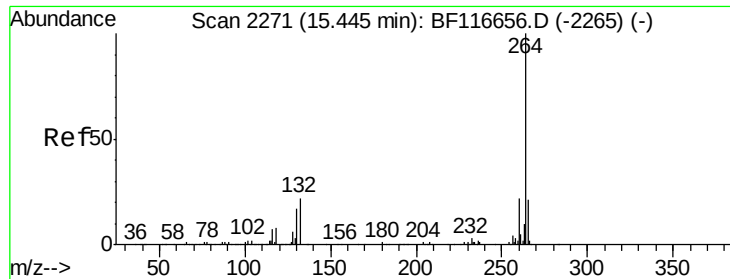
Delta R.T. 0.02 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Tgt Ion:	276	Resp:	35400
Ion Ratio	Lower	Upper	
276	100		
138	22.5	19.4	29.2
277	21.8	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Instrument :

BNA_F

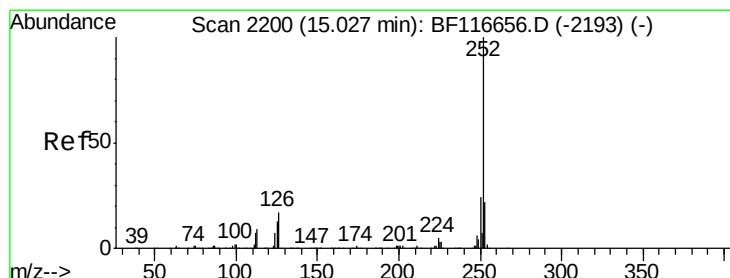
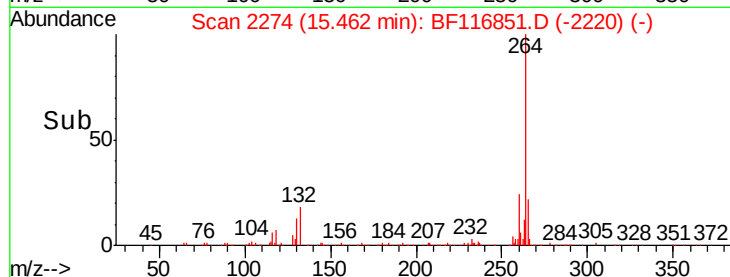
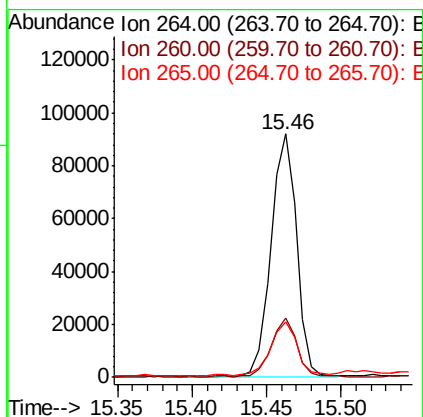
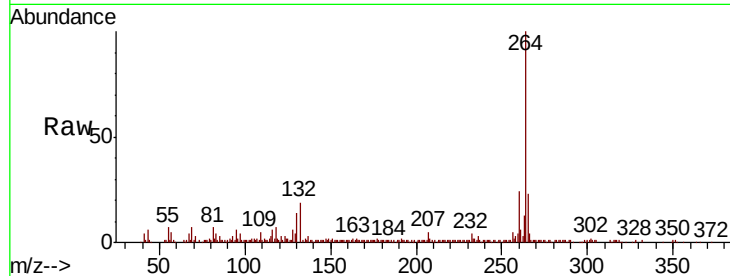
ClientSampleId :

SB-27-COMP

Tot Ion:	264	Resp:	110766
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.3	27.5
265	22.7	16.5	24.7

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#88

Benzo(b)fluoranthene

Concen: 15.211 ng m

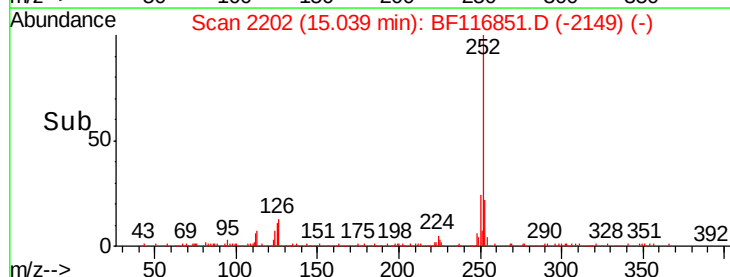
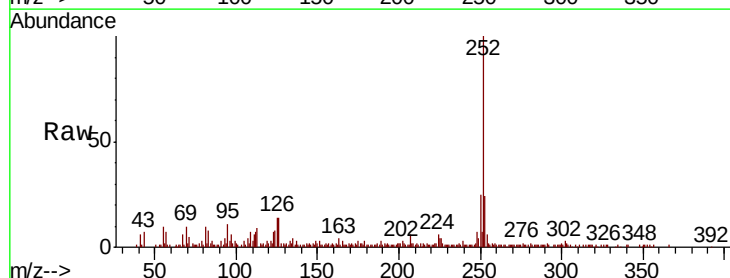
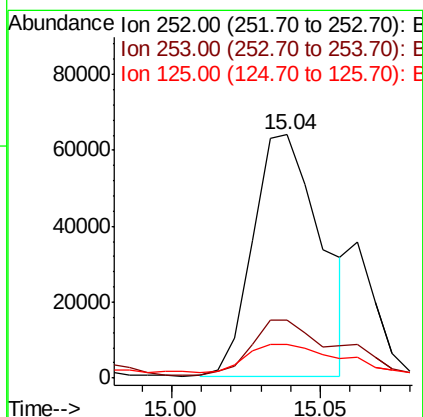
RT: 15.04 min Scan# 2202

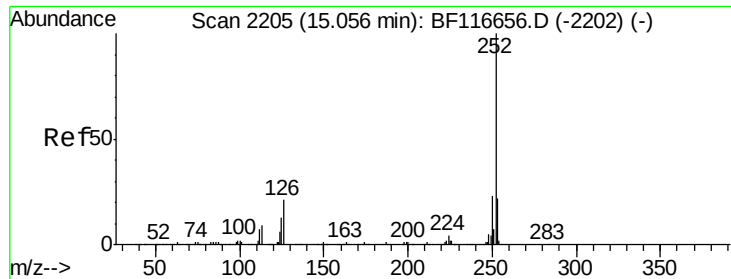
Delta R.T. 0.01 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Tgt Ion:	252	Resp:	101864
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.7	26.5
125	13.9	8.2	12.2#





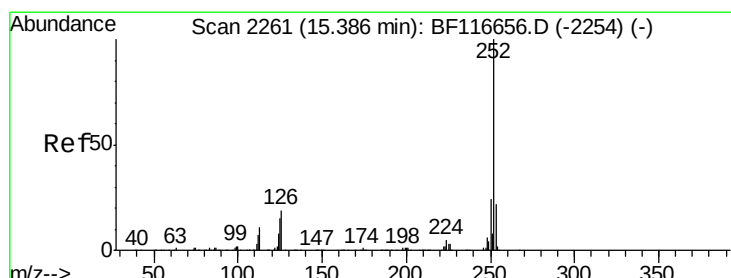
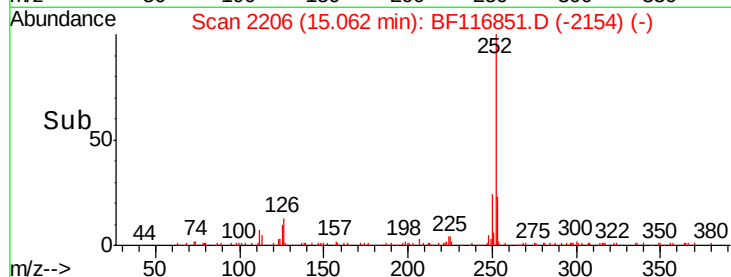
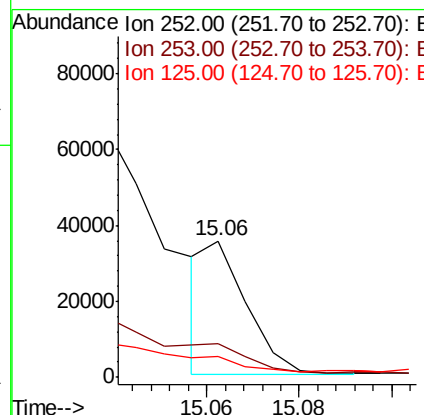
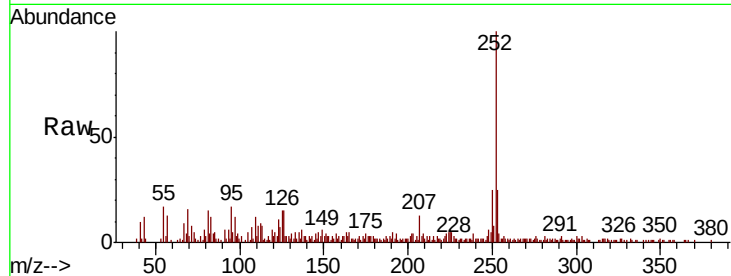
#89
Benzo(k)fluoranthene
Concen: 3.550 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Instrument :
BNA_F
ClientSampleId :
SB-27-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.7	26.5
125	15.1	8.6	13.0

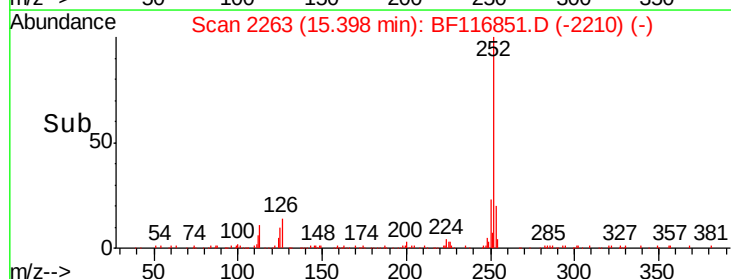
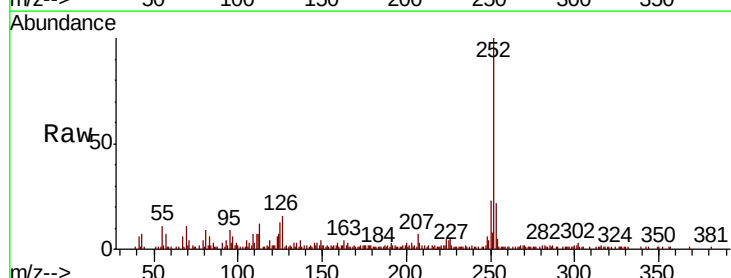
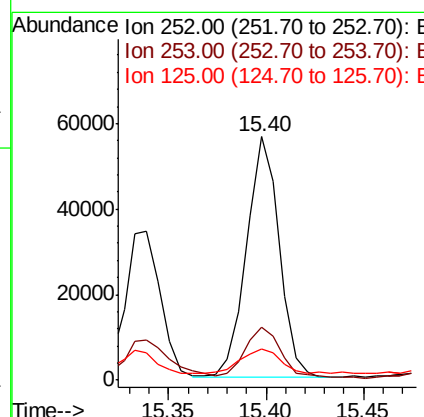
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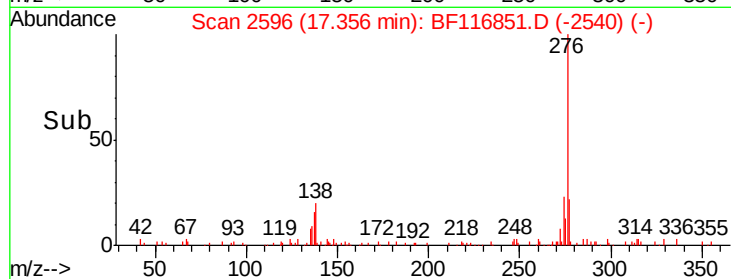
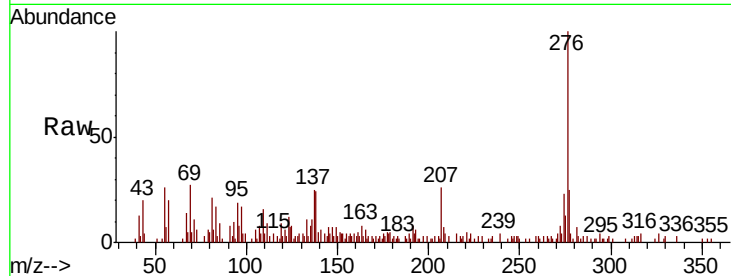
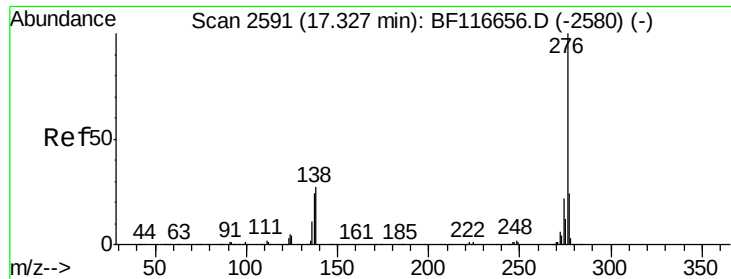
mohammad
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#90
Benzo(a)pyrene
Concen: 11.259 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116851.D
Acq: 5 Sep 2019 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	12.9	9.8	14.8





#92

Benzo(a,h,i)perylene

Concen: 6.935 ng

RT: 17.36 min Scan# 2596

Delta R.T. 0.03 min

Lab File: BF116851.D

Acq: 5 Sep 2019 21:08

Tot Ion:	276	Resp:	36068
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.5	27.7
138	23.9	16.2	24.2

Instrument :

BNA_F

ClientSampleId :

SB-27-COMP

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