

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\
 Data File : BF117323.D
 Acq On : 3 Oct 2019 18:26
 Operator : JU
 Sample : K5160-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-1

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:25:49 AM

Quant Time: Oct 04 04:23:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	54796	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	218614	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	111787	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	178492	20.00	ng	0.00
76) Chrysene-d12	13.97	240	104356	20.00	ng	0.00
87) Perylene-d12	15.42	264	91442	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	394928	112.52	ng	0.00
7) Phenol-d6	6.45	99	565271	124.62	ng	0.00
23) Nitrobenzene-d5	7.37	82	353339	84.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	115547	123.67	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	616596	86.24	ng	-0.01
79) Terphenyl-d14	12.91	244	537303	96.24	ng	0.00
Target Compounds						
10) Phenol	6.46	94	10777	2.155	ng	Qvalue # 68
50) Dimethylphthalate	9.56	163	56804	7.177	ng	97
75) Fluoranthene	12.54	202	37094	3.561	ng	99
78) Pyrene	12.77	202	36909	4.215	ng	98
81) Benzo(a)anthracene	13.96	228	19957m	2.862	ng	
83) Chrysene	13.99	228	19700	2.897	ng	97
86) Indeno(1,2,3-cd)pyrene	16.88	276	13549	2.731	ng	96
88) Benzo(b)fluoranthene	15.00	252	23314m	4.209	ng	
90) Benzo(a)pyrene	15.36	252	17990	3.701	ng	# 93
92) Benzo(g,h,i)perylene	17.32	276	13907	3.604	ng	# 92

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

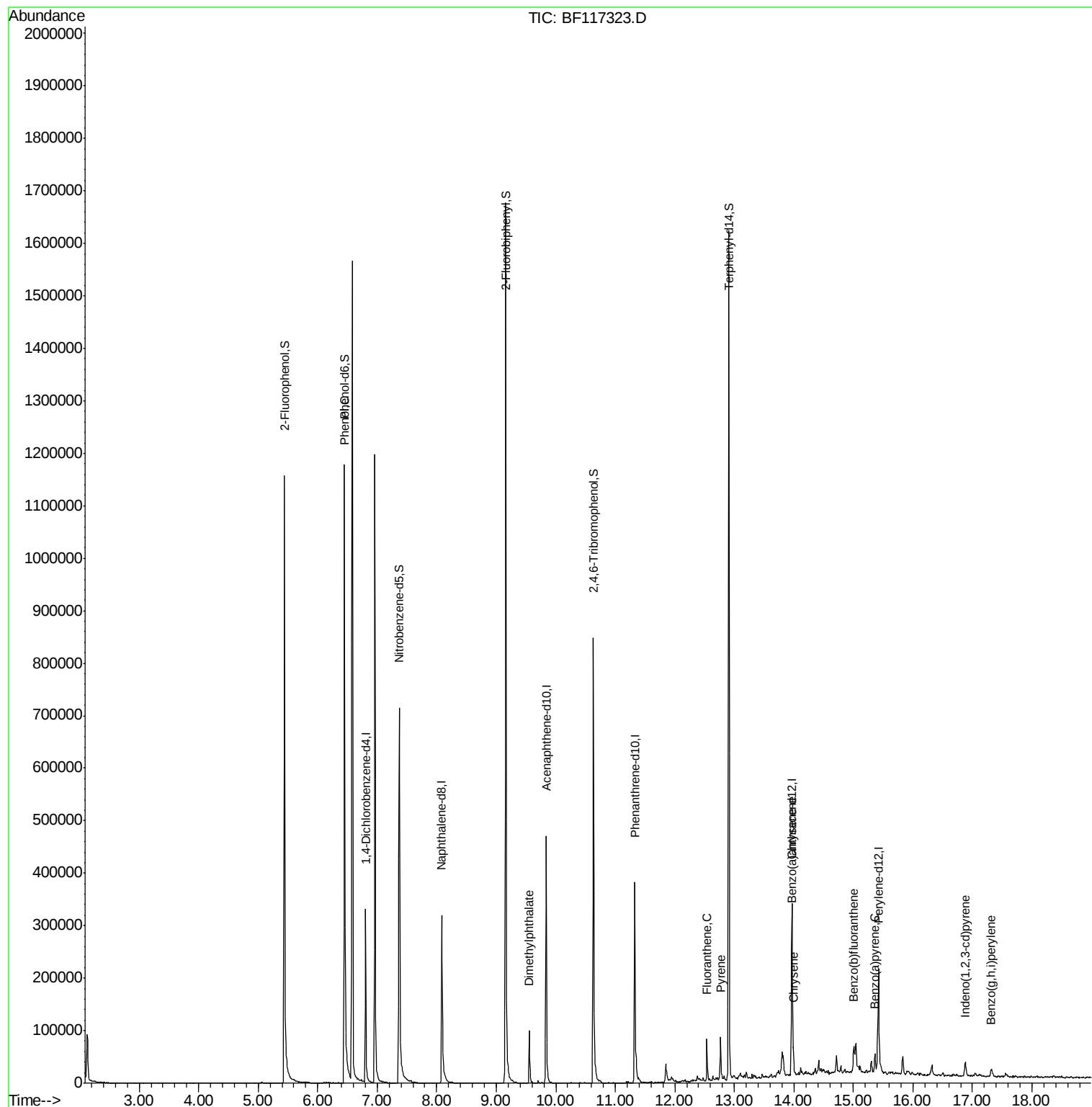
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\
Data File : BF117323.D
Acq On : 3 Oct 2019 18:26
Operator : JU
Sample : K5160-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CSA-3-1

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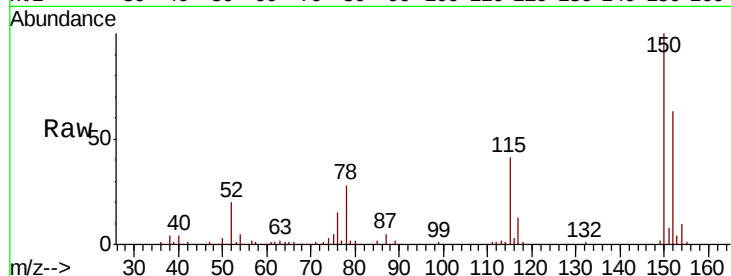
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	127.5	191.3
115	65.2	55.0	82.4

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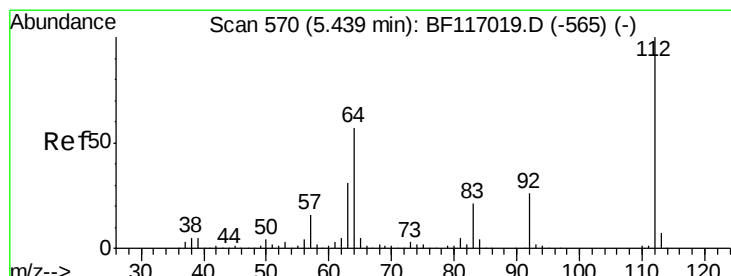
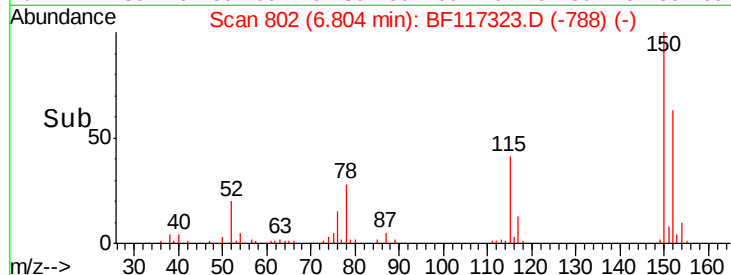
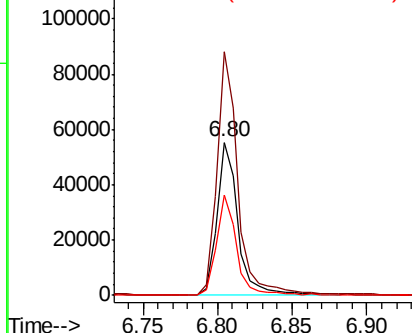


Abundance

Ion 152.00 (151.70 to 152.70): E

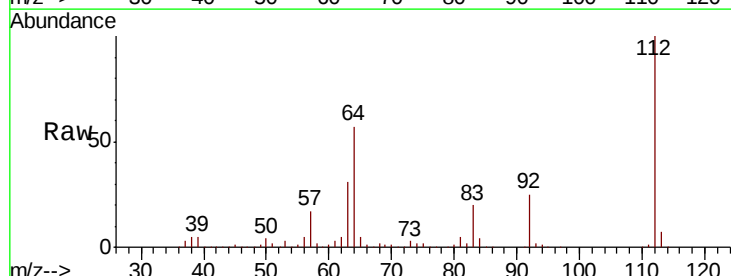
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 112.523 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.7	68.5
63	30.6	24.9	37.3

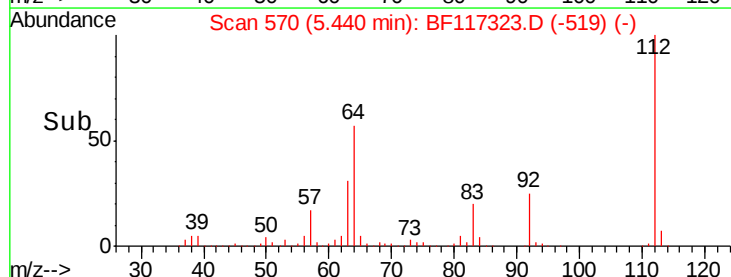
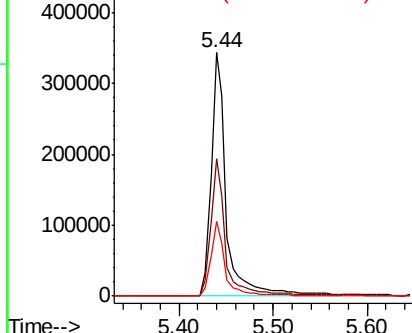


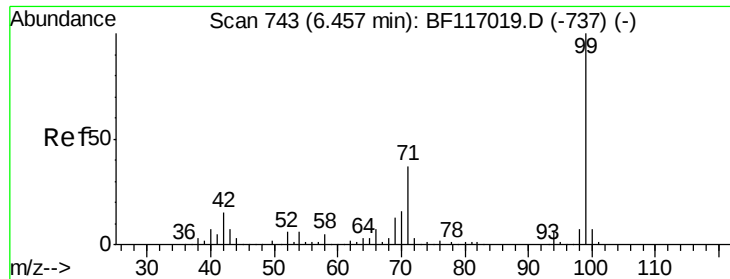
Abundance

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: 124.622 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

Instrument :

BNA_F

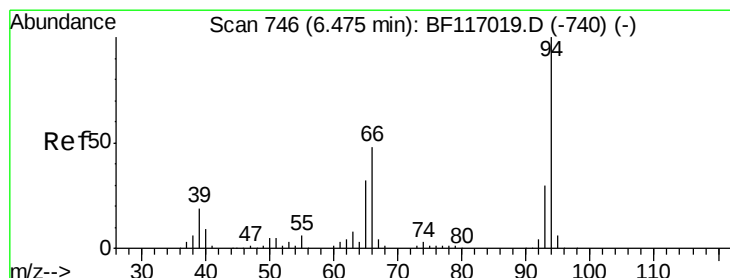
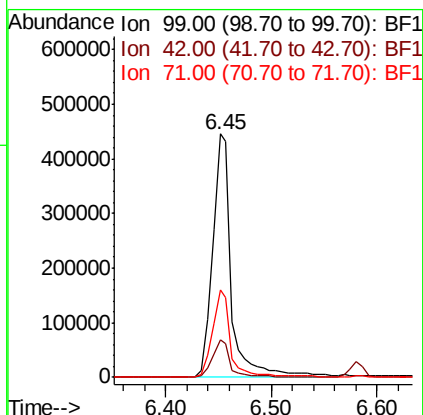
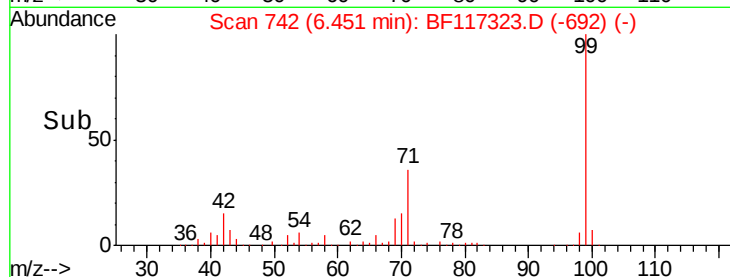
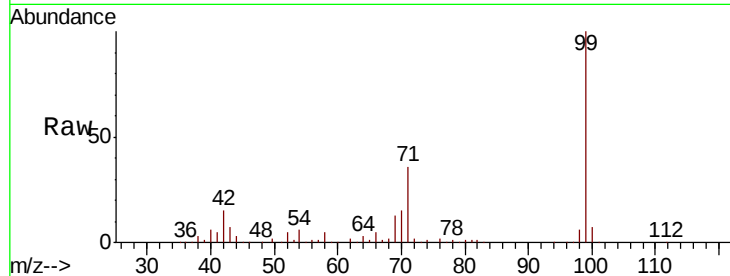
ClientSampled :

CSA-3-1

Tot Ion:	99	Resp:	565271
Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.2	18.2
71	36.1	29.8	44.8

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#10

Phenol

Concen: 2.155 ng

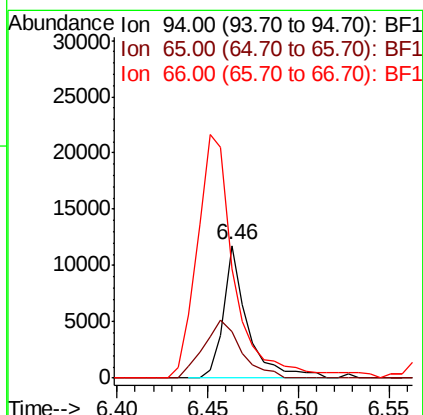
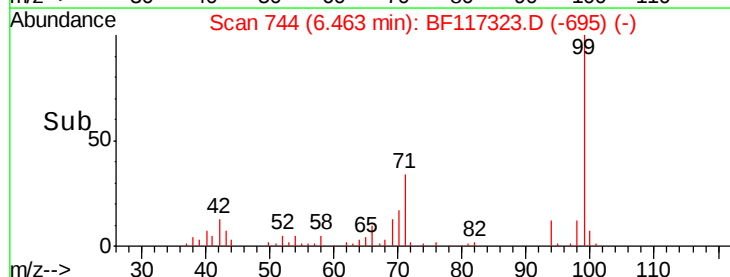
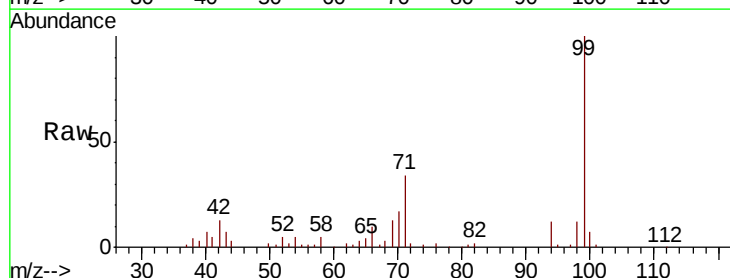
RT: 6.46 min Scan# 744

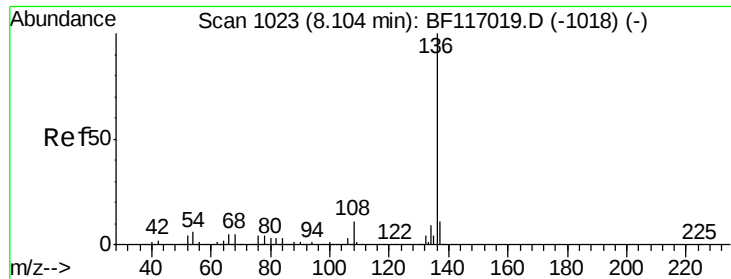
Delta R.T. -0.01 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

Tgt Ion:	94	Resp:	10777
Ion	Ratio	Lower	Upper
94	100		
65	34.9	12.5	52.5
66	82.8	28.9	68.9#





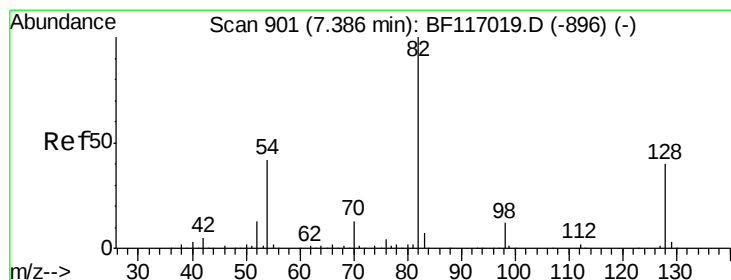
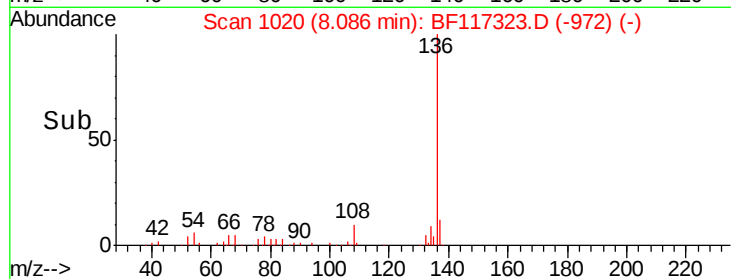
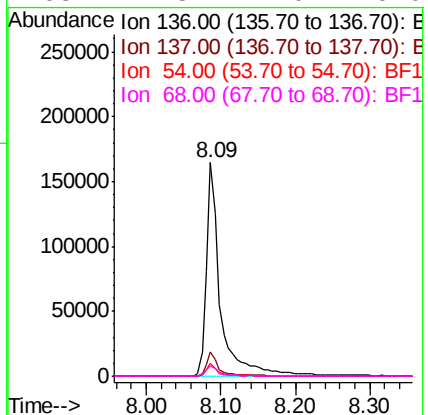
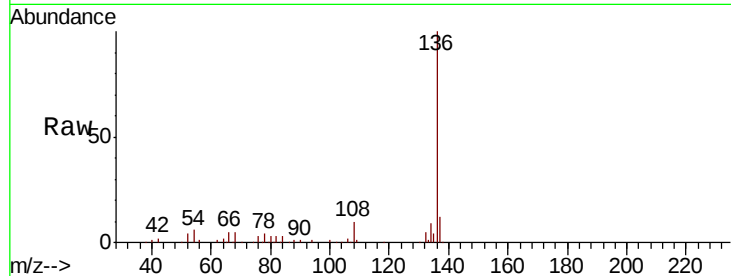
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampled :
CSA-3-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	218614		
137	11.5		9.0	13.4
54	5.9		4.5	6.7
68	4.8		4.0	6.0

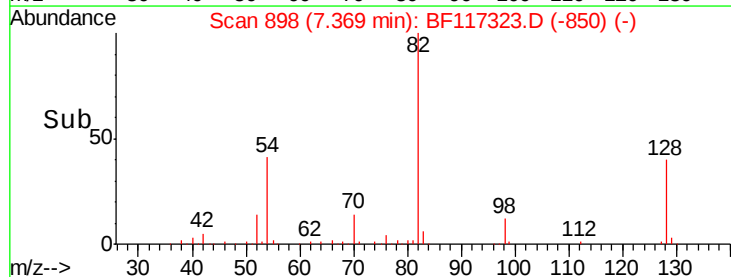
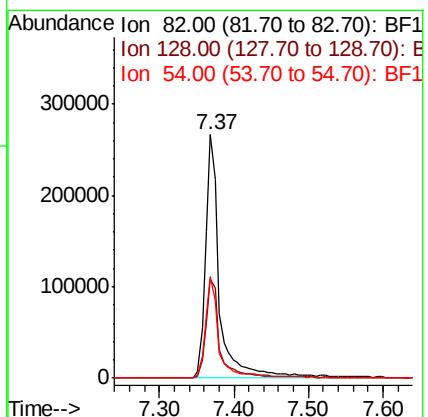
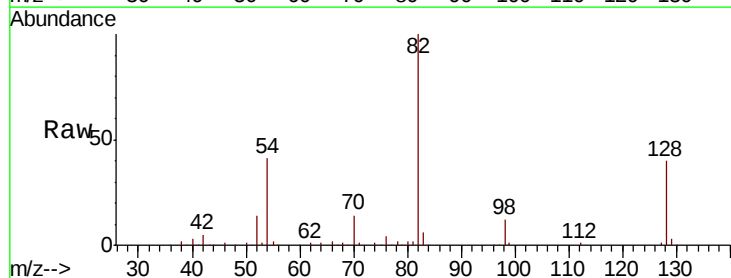
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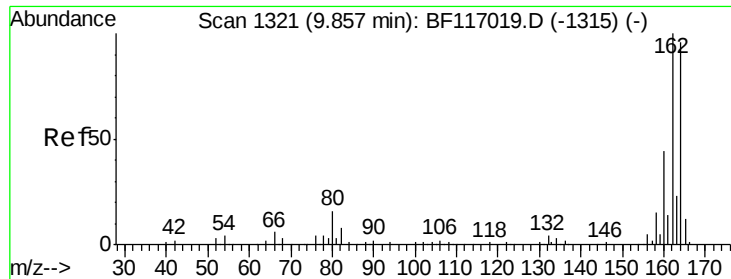
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#23
Nitrobenzene-d5
Concen: 84.923 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	353339		
128	40.5		32.3	48.5
54	41.5		33.3	49.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

Instrument :

BNA_F

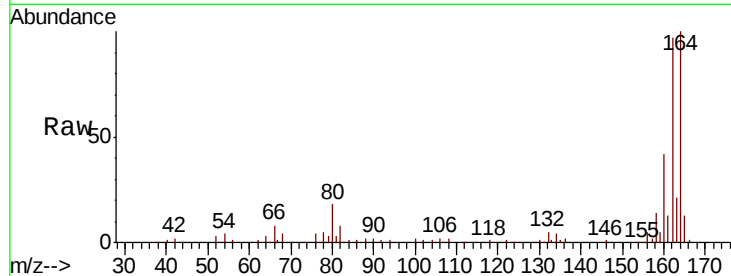
ClientSampleId :

CSA-3-1

Tot Ion:	164	Resp:	111787
Ion Ratio	Lower	Upper	
164	100		
162	97.1	83.4	125.2
160	41.7	36.4	54.6

Manual Integrations
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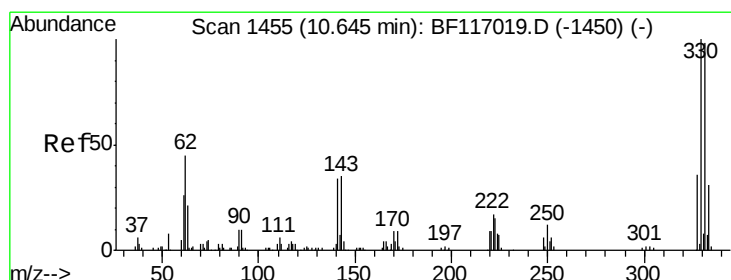
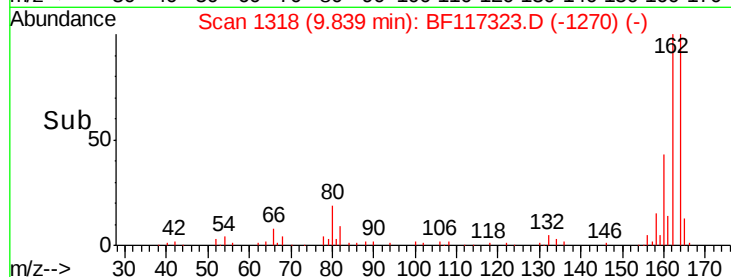
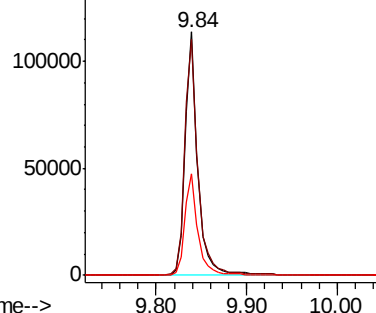


Abundance

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: 123.674 ng

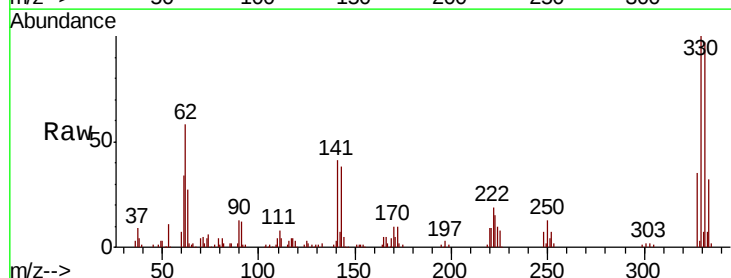
RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117323.D

Acq: 3 Oct 2019 18:26

Tgt Ion:	330	Resp:	115547
Ion Ratio	Lower	Upper	
330	100		
332	97.0	78.0	117.0
141	44.8	35.8	53.6

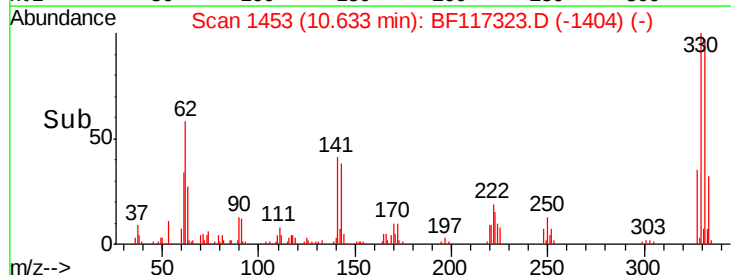
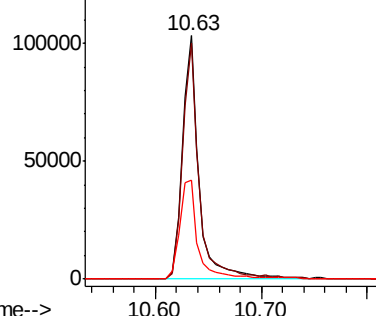


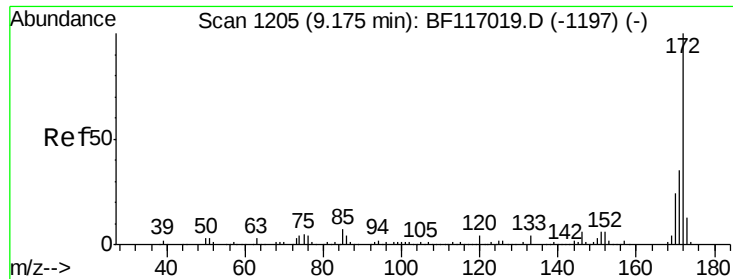
Abundance

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





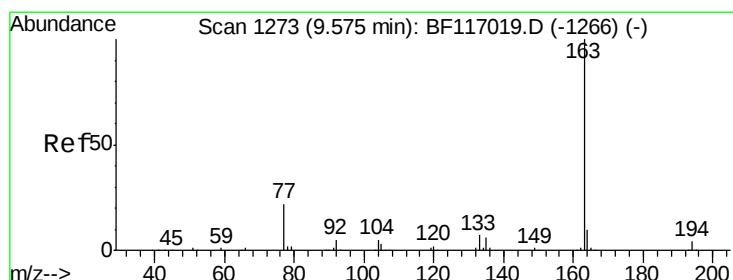
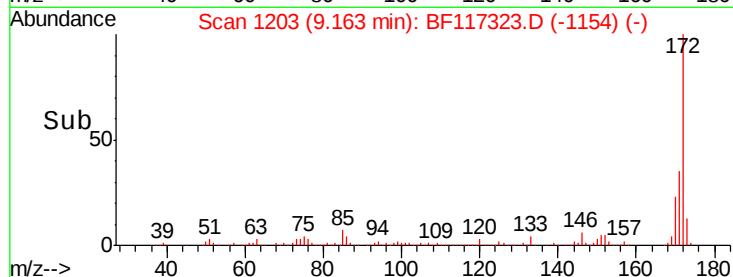
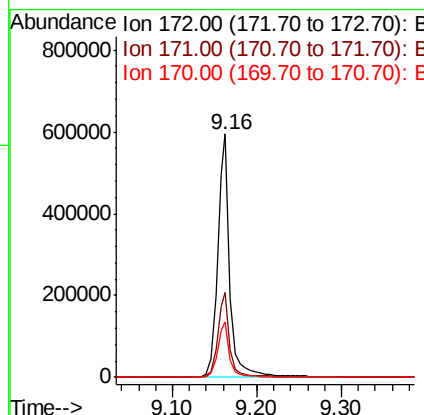
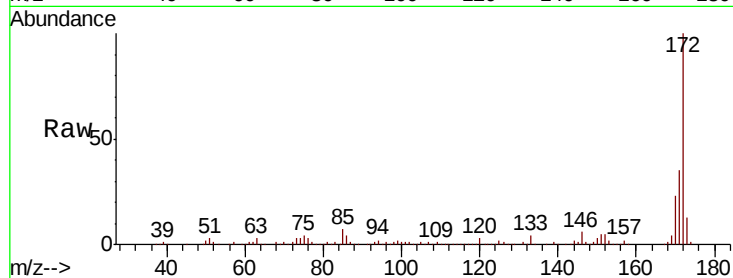
#45
2-Fluorobiphenyl
Concen: 86.244 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
CSA-3-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	22.8	18.9	28.3

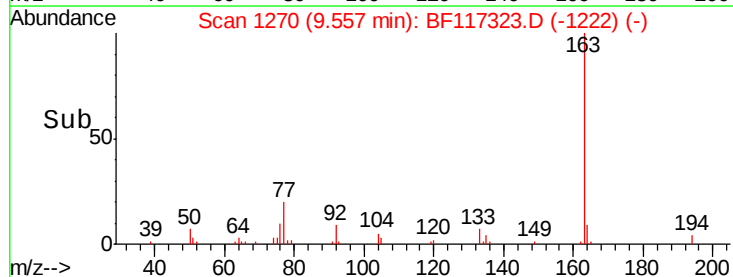
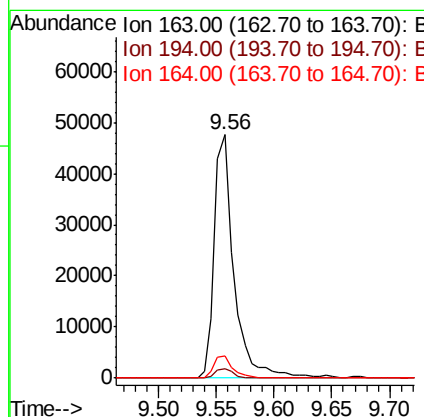
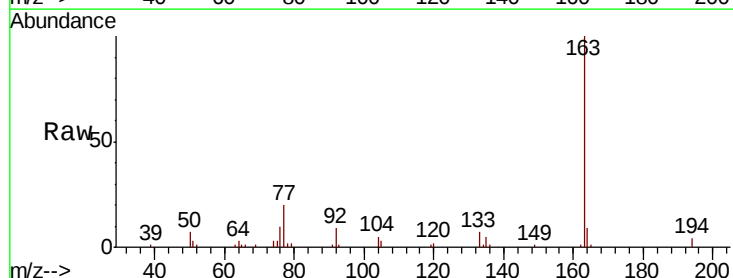
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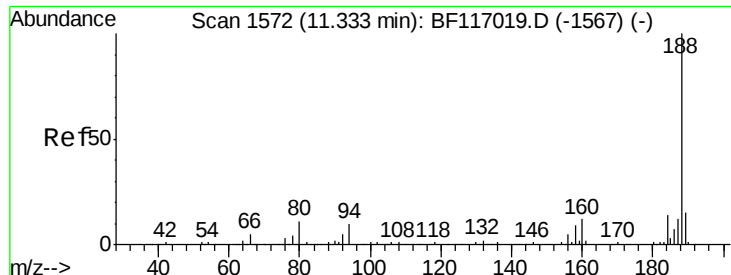
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#50
Dimethylphthalate
Concen: 7.177 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	9.0	8.2	12.4





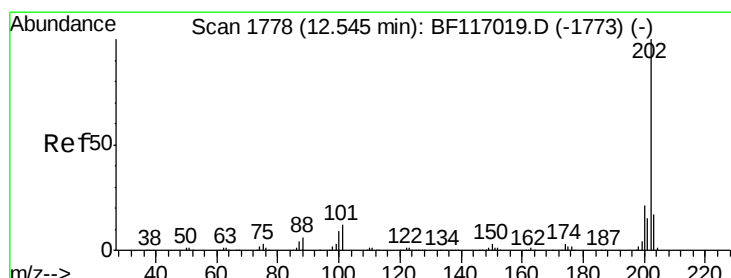
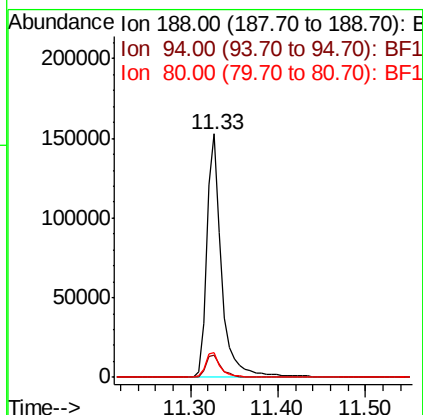
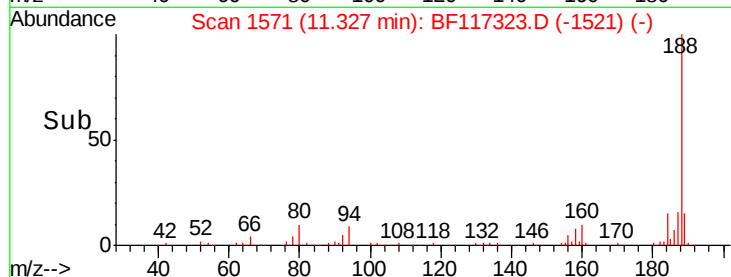
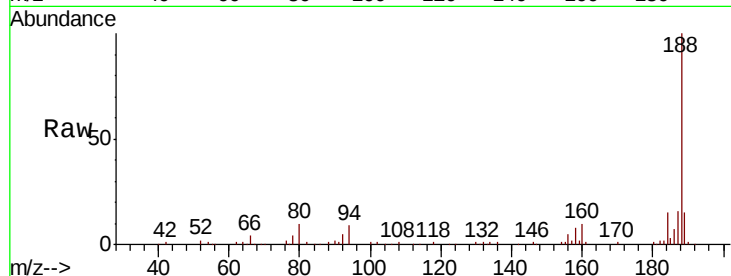
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
CSA-3-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	178492		
94	9.1		8.2	12.2
80	10.0		9.0	13.6

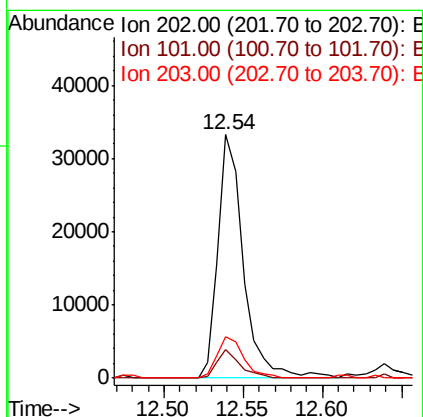
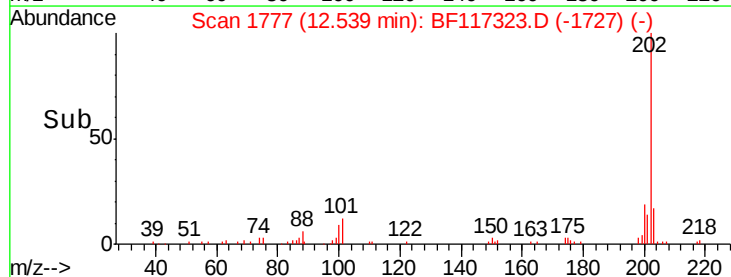
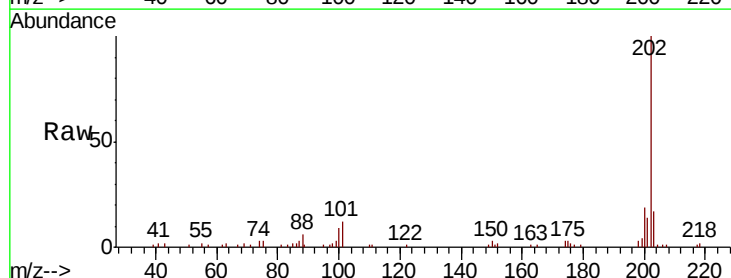
Manual Integrations
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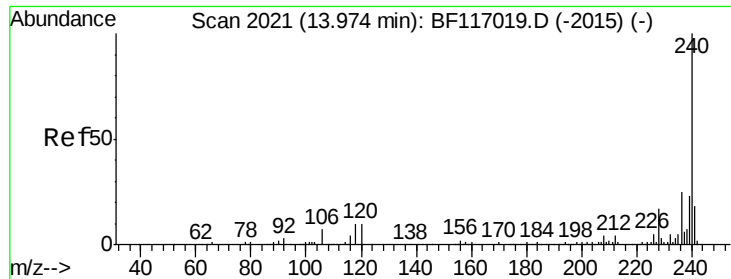
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#75
Fluoranthene
Concen: 3.561 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	37094		
101	11.9		0.0	32.3
203	16.9		0.0	37.1





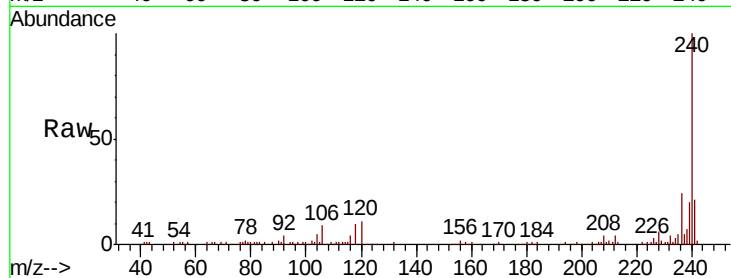
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampled :
CSA-3-1

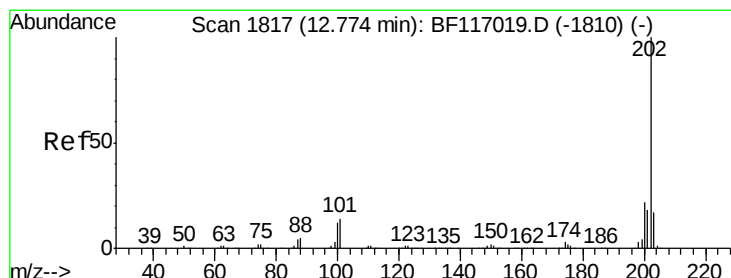
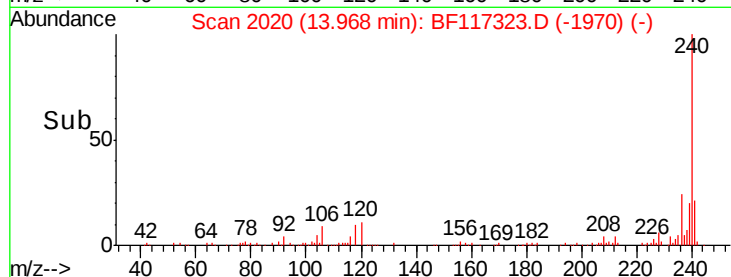
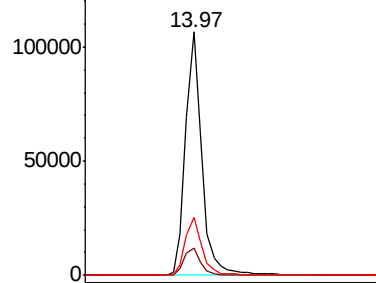
Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.1	8.3	12.5	
236	24.0	20.3	30.5	

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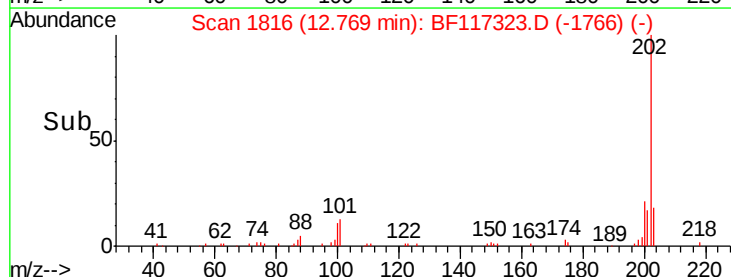
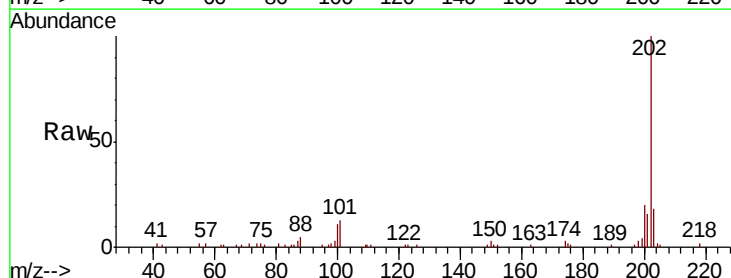
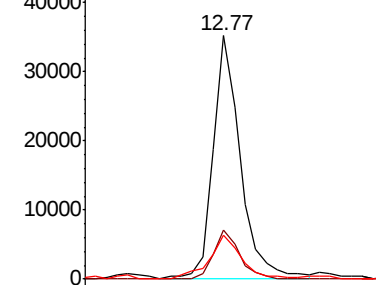
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

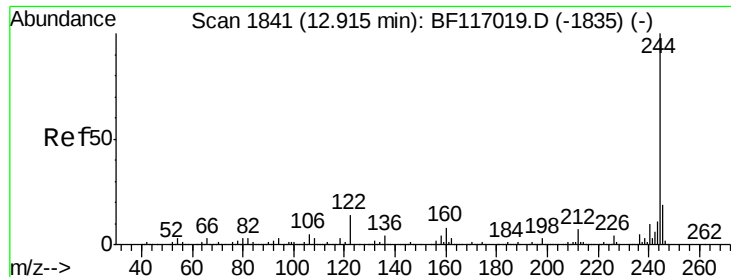


#78
Pyrene
Concen: 4.215 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.3	17.2	25.8	
203	18.3	14.0	21.0	

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





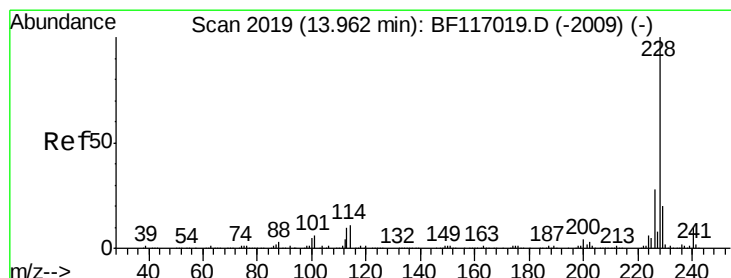
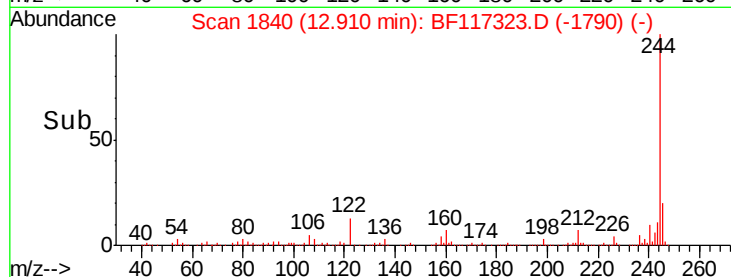
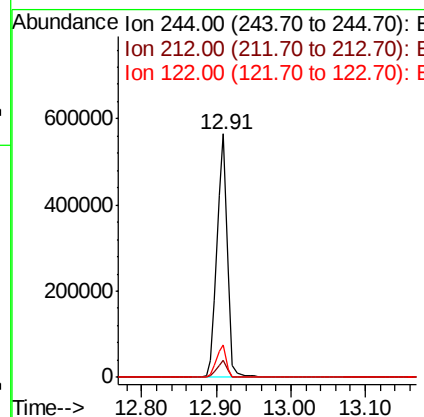
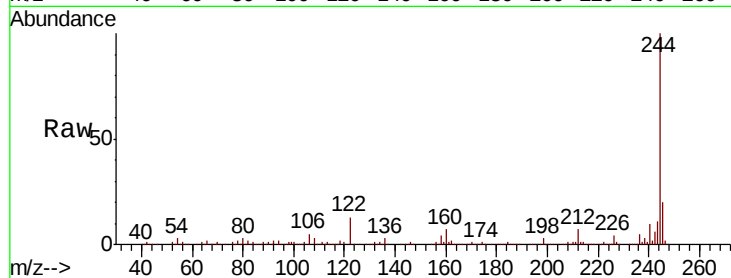
#79
 Terphenyl-d14
 Concen: 96.242 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Instrument :
 BNA_F
 ClientSampleId :
 CSA-3-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	13.1	11.3	16.9

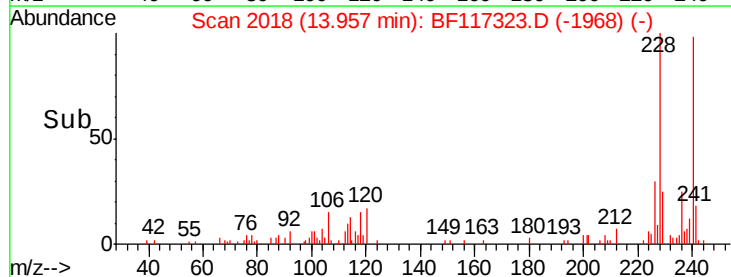
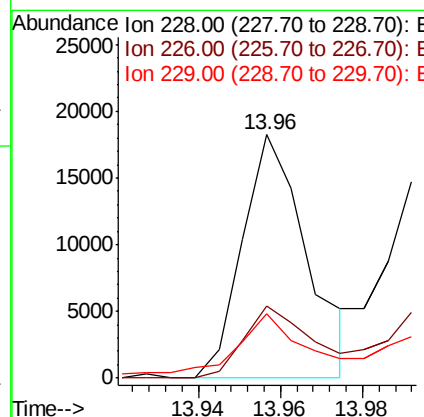
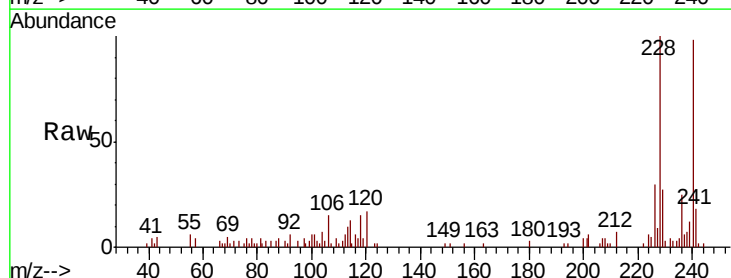
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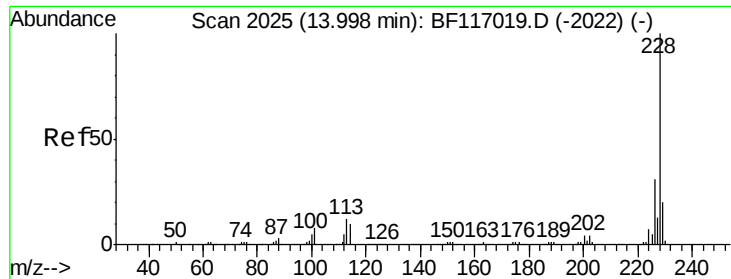
mohammad
 10/7/2019 8:25:49 AM



#81
 Benzo(a)anthracene
 Concen: 2.862 ng m
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117323.D
 Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.3	33.5
229	26.6	15.9	23.9#





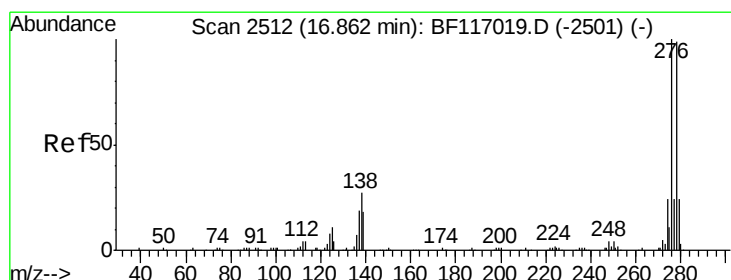
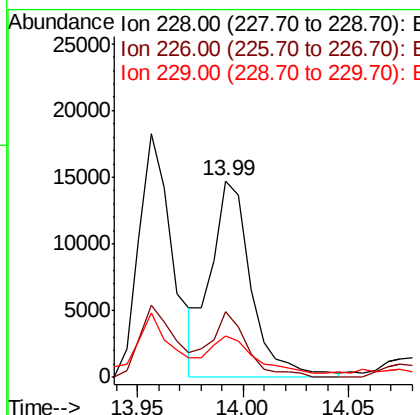
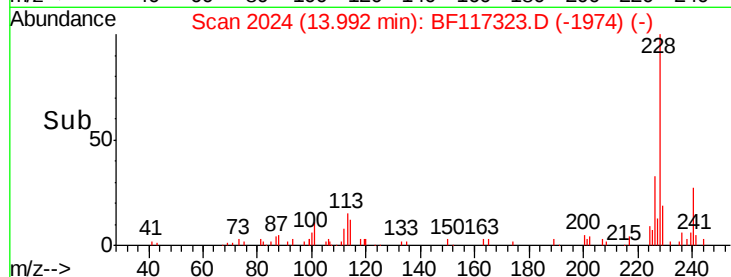
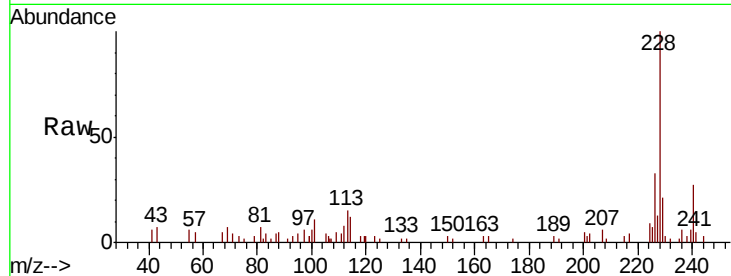
#83
Chrysene
Concen: 2.897 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampled :
CSA-3-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.8	37.2
229	20.8	15.8	23.8

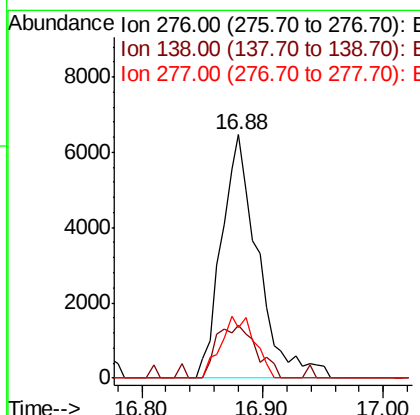
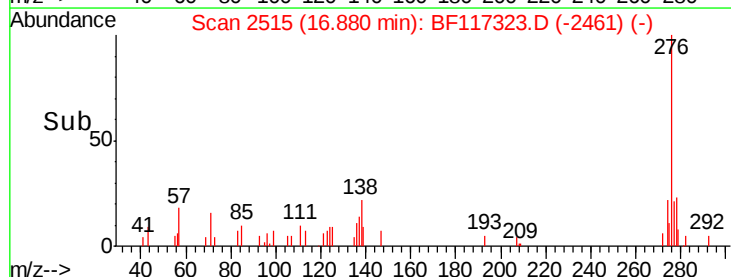
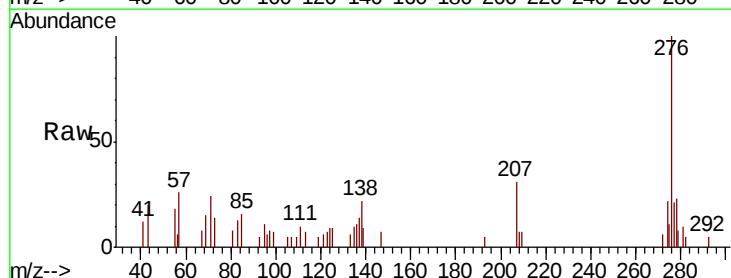
Manual Integrations
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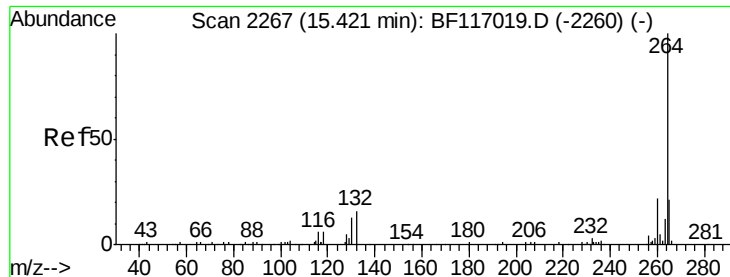
mohammad
10/7/2019 8:25:49 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.731 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.02 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.7	31.1
277	23.4	19.8	29.8





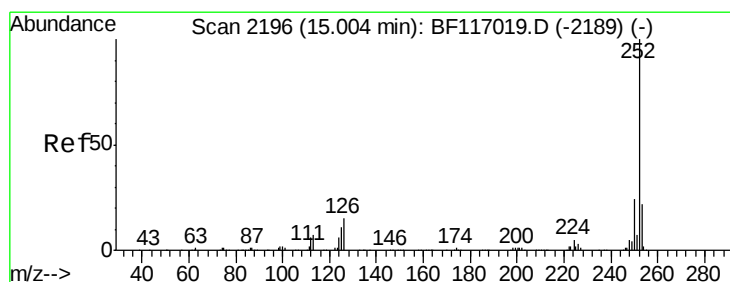
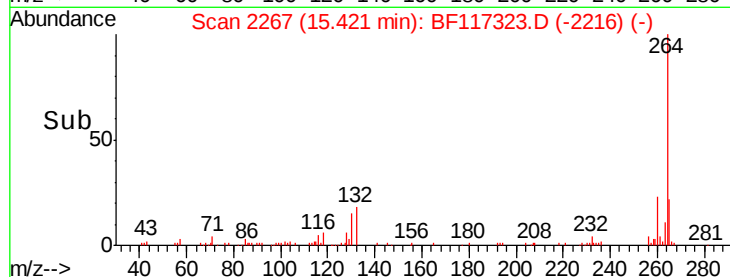
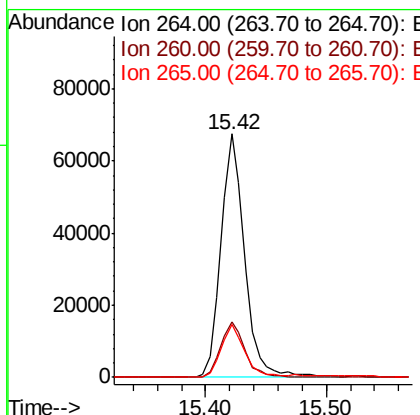
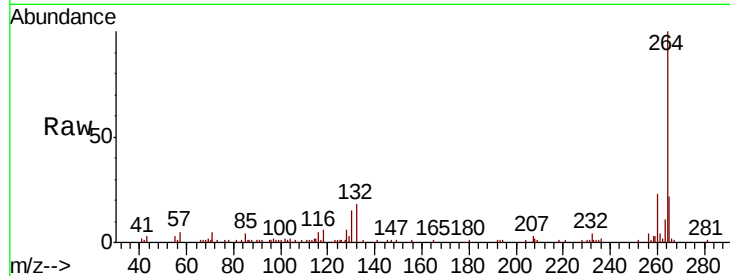
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
CSA-3-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.6	26.4
265	21.8	16.6	24.8

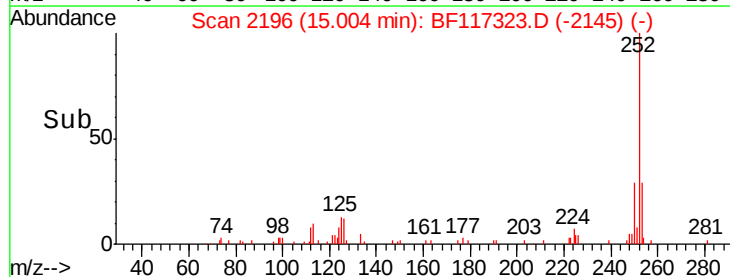
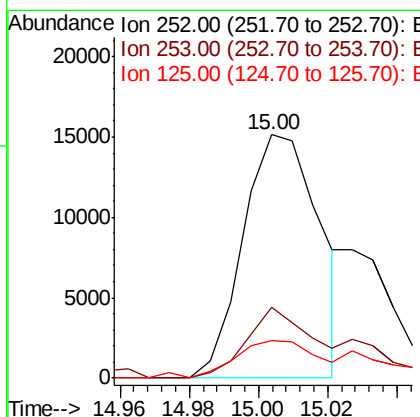
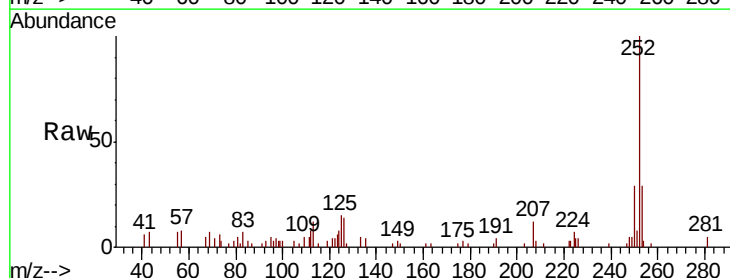
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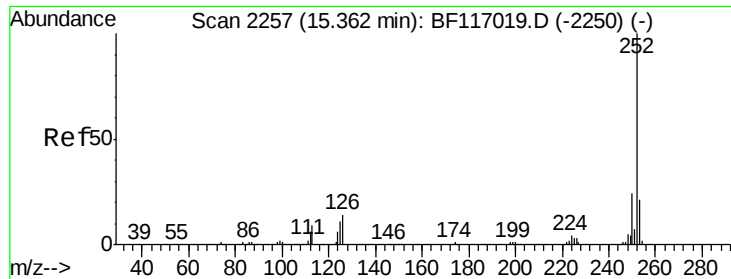
mohammad
10/7/2019 8:25:49 AM



#88
Benzo(b)fluoranthene
Concen: 4.209 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.6	26.4#
125	15.3	8.6	12.8#





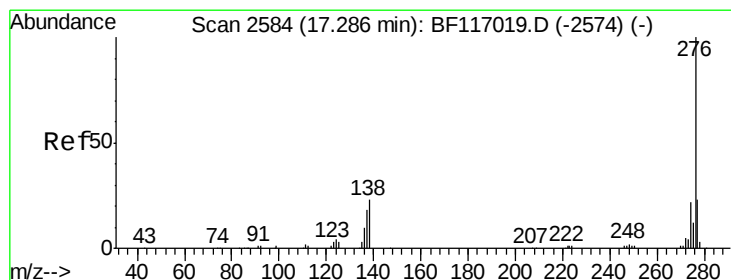
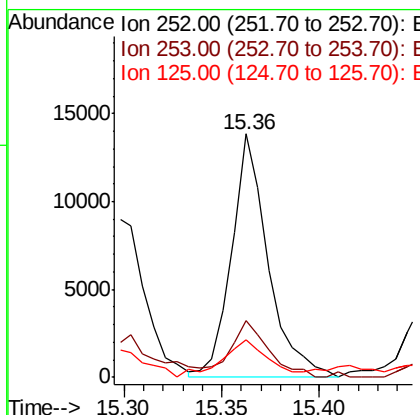
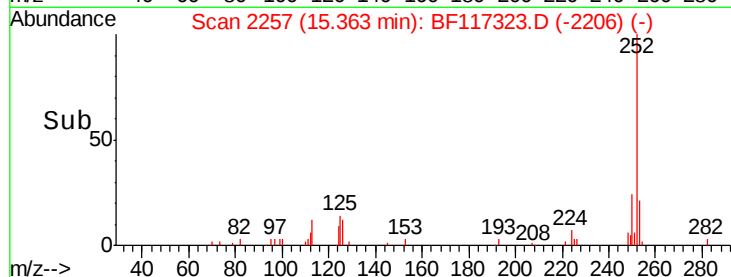
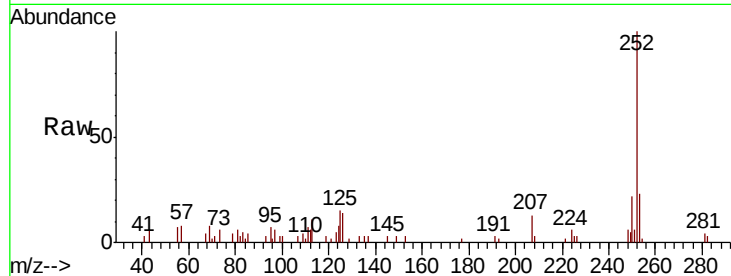
#90
Benzo(a)pyrene
Concen: 3.701 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
CSA-3-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.6	25.0
125	15.4	8.9	13.3

Manual Integrations
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mohammad
10/7/2019 8:25:49 AM



#92
Benzo(g,h,i)perylene
Concen: 3.604 ng
RT: 17.32 min Scan# 2589
Delta R.T. 0.03 min
Lab File: BF117323.D
Acq: 3 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	18.2	18.6	27.8
138	19.5	18.0	27.0

