

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
 Data File : BF116340.D
 Acq On : 17 Aug 2019 1:38
 Operator : HP/JU
 Sample : K4228-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2S-I1-I4-COMP-(0-1)

Manual Integrations
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mohammad
 8/20/2019 8:37:19 AM

Quant Time: Aug 19 02:02:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	146231	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	559793	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	276675	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	433686	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	254869	20.00	ng	-0.03
87) Perylene-d12	15.44	264	314940	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	815975	93.41	ng	-0.02
7) Phenol-d6	6.46	99	1049124	95.19	ng	-0.02
23) Nitrobenzene-d5	7.38	82	662124	68.27	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	221448	82.55	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1016563	68.82	ng	-0.04
79) Terphenyl-d14	12.92	244	844024	69.78	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.47	94	46304	3.568	ng	92
50) Dimethylphthalate	9.56	163	94737	5.029	ng	98
52) Acenaphthene	9.88	154	163791	11.257	ng	99
55) Dibenzofuran	10.06	168	113201	5.350	ng	97
58) Fluorene	10.40	166	147397	9.054	ng	100
71) Phenanthrene	11.36	178	1634887	73.740	ng	99
72) Anthracene	11.42	178	553427	24.665	ng	100
73) Carbazole	11.57	167	178893	8.788	ng	99
75) Fluoranthene	12.56	202	1945846	83.834	ng	96
78) Pyrene	12.79	202	1682386	87.568	ng	99
81) Benzo(a)anthracene	13.97	228	907588	55.713	ng	99
83) Chrysene	14.01	228	752255	47.565	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	393761	29.643	ng	97
88) Benzo(b)fluoranthene	15.02	252	909459m	49.942	ng	
89) Benzo(k)fluoranthene	15.04	252	364210m	20.534	ng	
90) Benzo(a)pyrene	15.38	252	686575	42.177	ng	97
91) Dibenzo(a,h)anthracene	16.90	278	101683m	7.216	ng	
92) Benzo(g,h,i)perylene	17.34	276	332575	24.033	ng	97

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

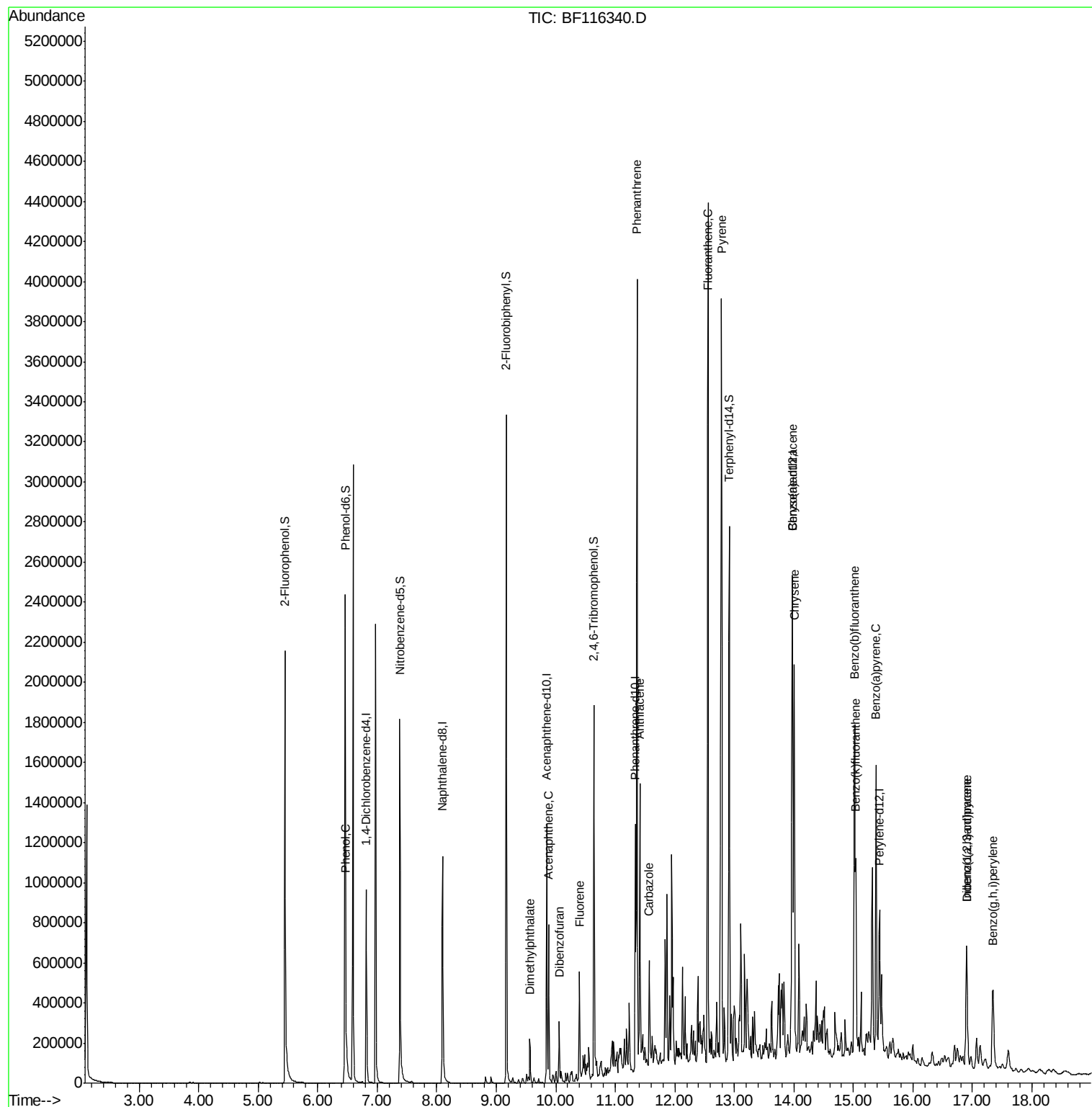
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
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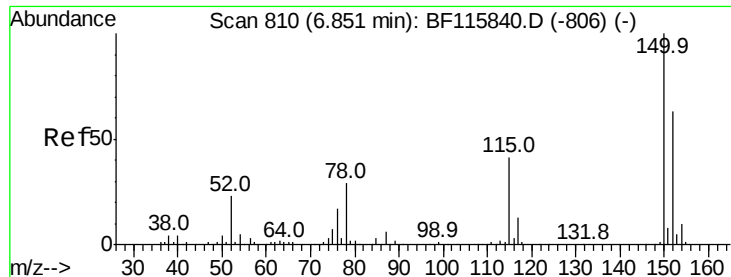
Instrument :
BNA_F
ClientSampleId :
2S-11-14-COMP-(0-1)

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#1

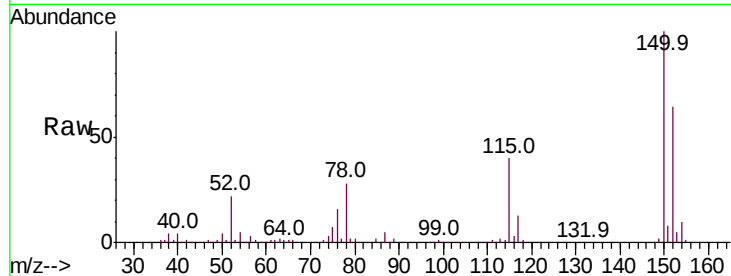
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
2S-I1-I4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	62.5	49.9	74.9

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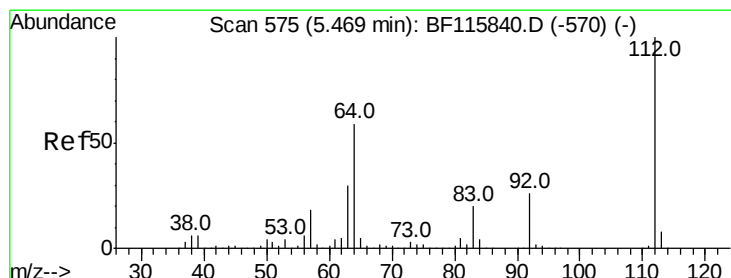
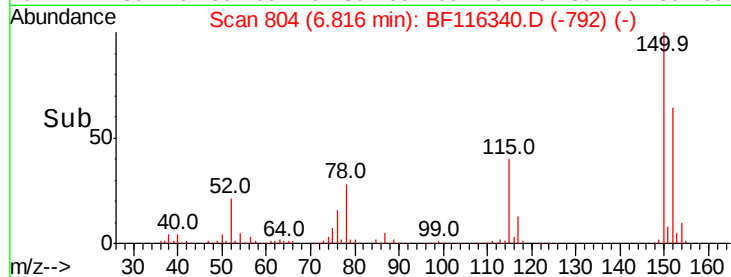
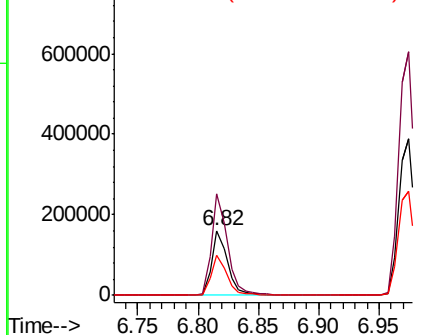


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

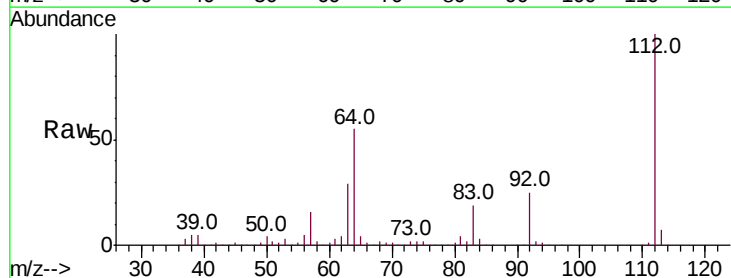
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.413 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.4	68.2
63	28.6	23.7	35.5

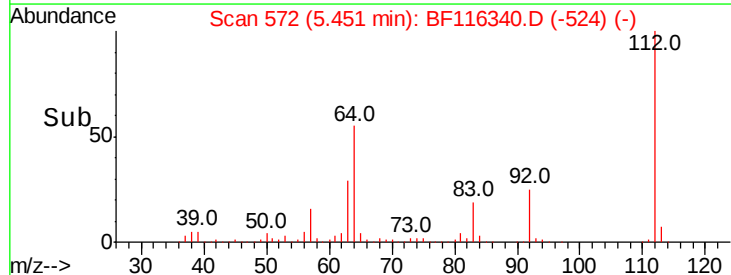
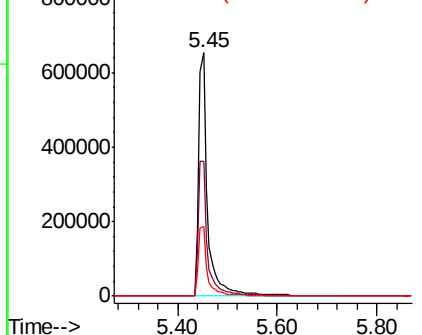


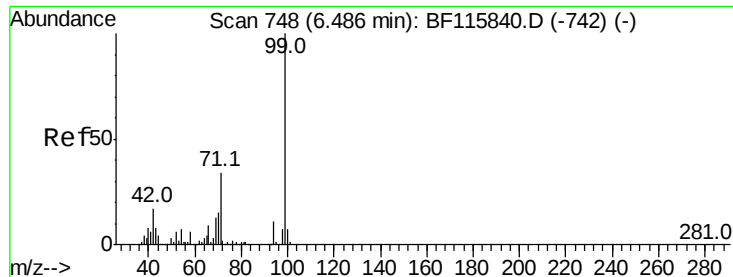
Abundance

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: 95.194 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116340.D

Acq: 17 Aug 2019 1:38

Instrument :

BNA_F

ClientSampleId :

2S-I1-I4-COMP-(0-1)

Tot Ion: 99 Resp: 1049124

Ion Ratio Lower Upper

99 100

42 15.9 13.8 20.8

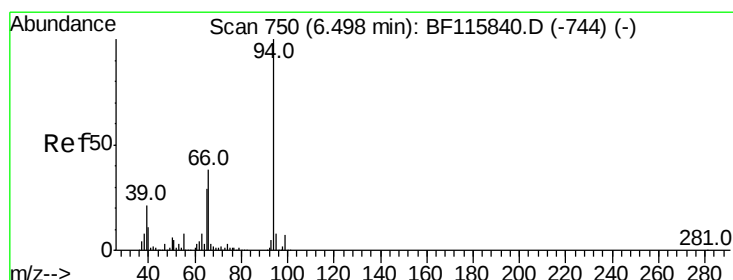
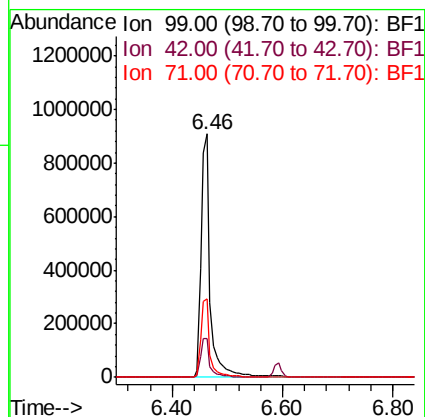
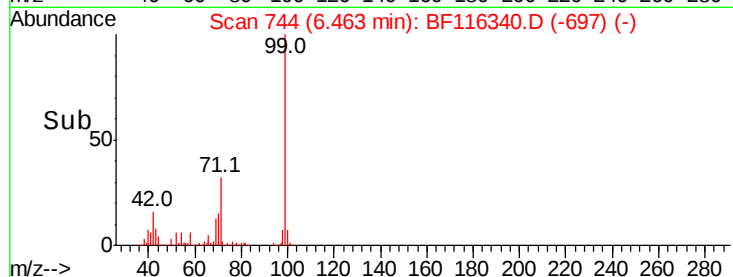
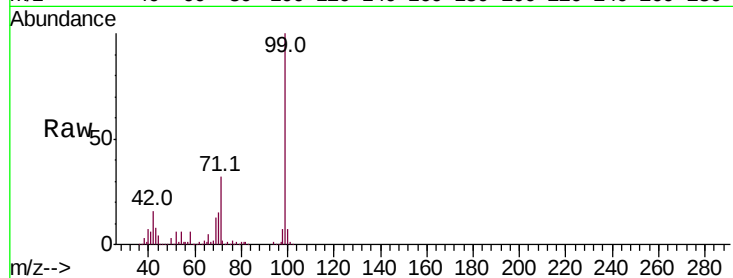
71 32.4 27.3 40.9

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#10

Phenol

Concen: 3.568 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.03 min

Lab File: BF116340.D

Acq: 17 Aug 2019 1:38

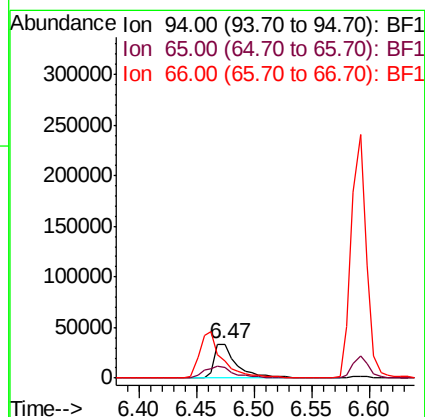
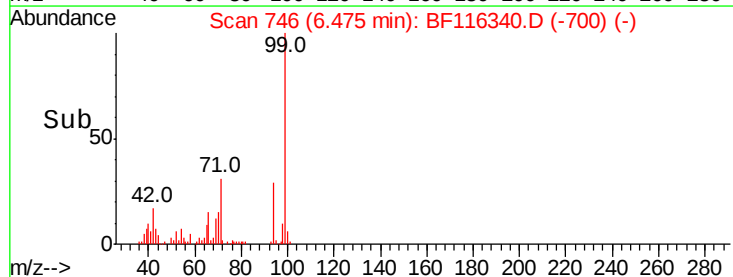
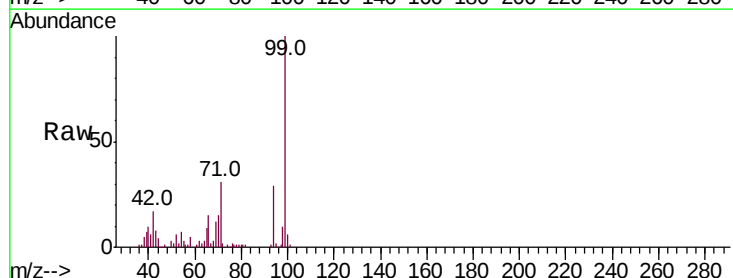
Tgt Ion: 94 Resp: 46304

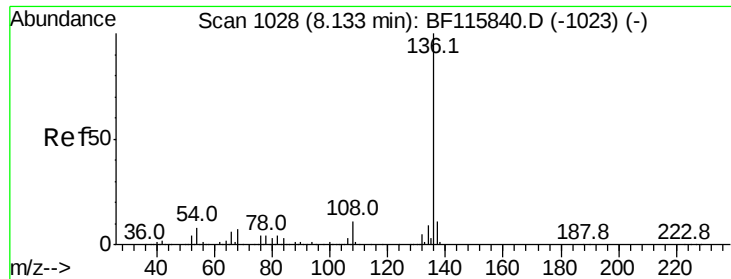
Ion Ratio Lower Upper

94 100

65 31.1 16.8 56.8

66 49.7 34.2 74.2





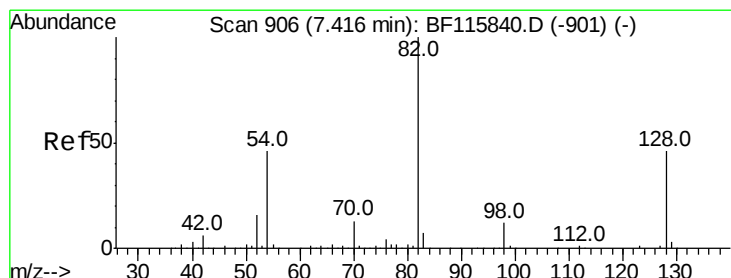
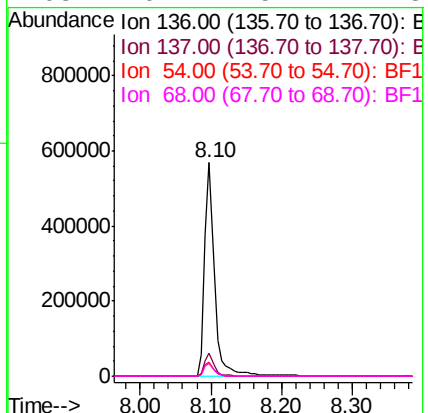
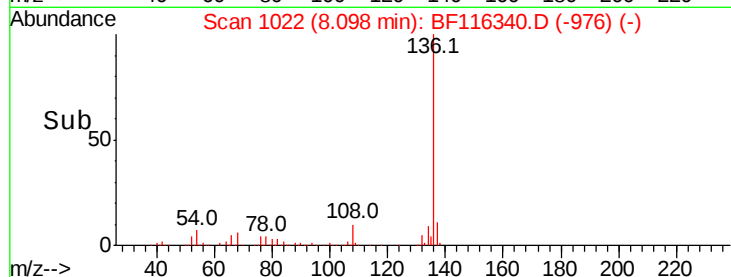
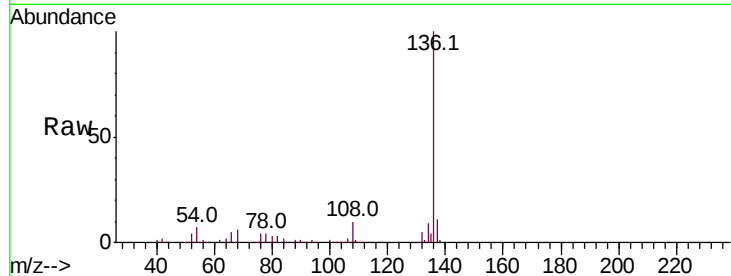
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
2S-11-I4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.0	13.4	
54	6.6	5.8	8.6	
68	6.2	5.2	7.8	

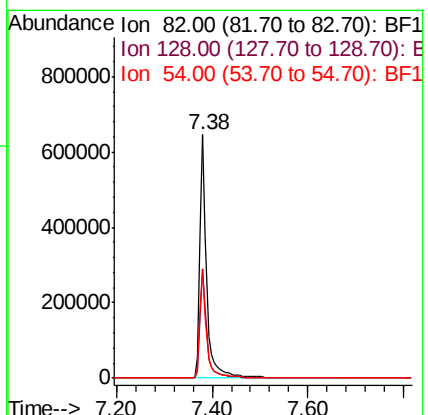
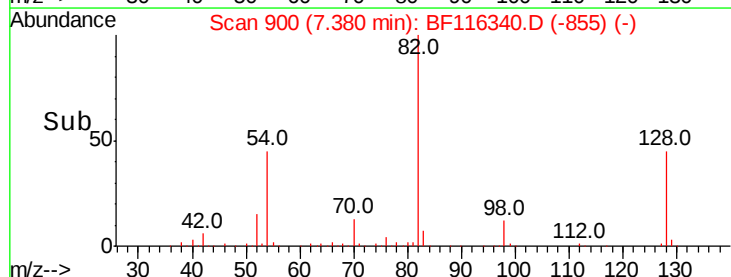
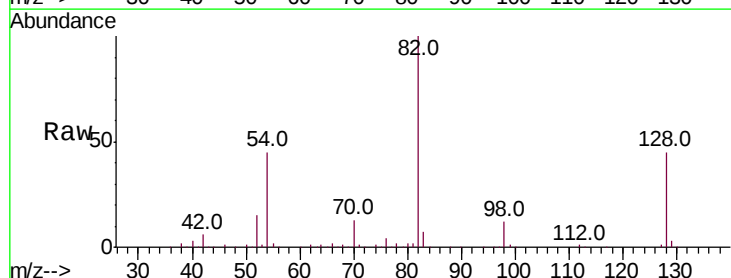
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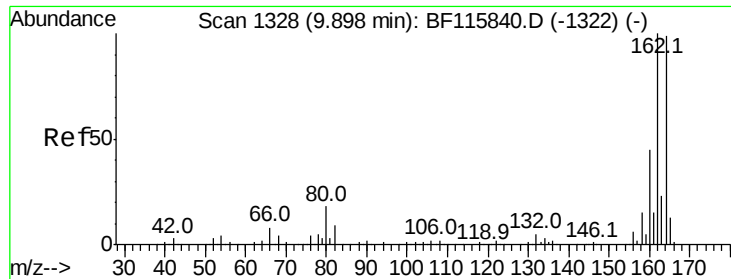
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#23
Nitrobenzene-d5
Concen: 68.275 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.04 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.8	36.5	54.7	
54	44.9	36.0	54.0	





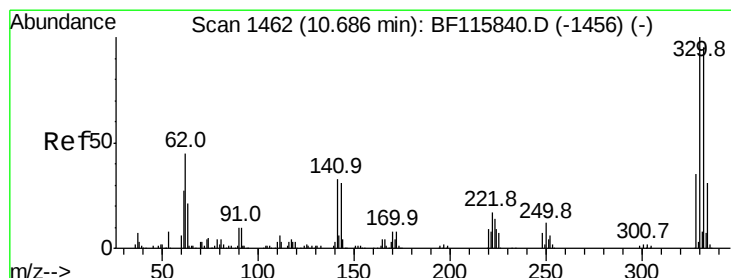
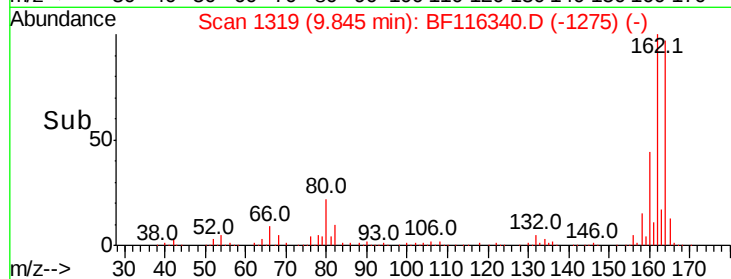
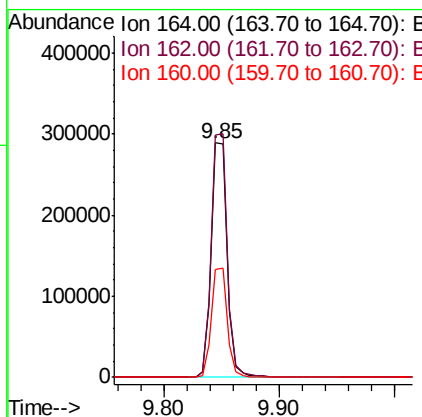
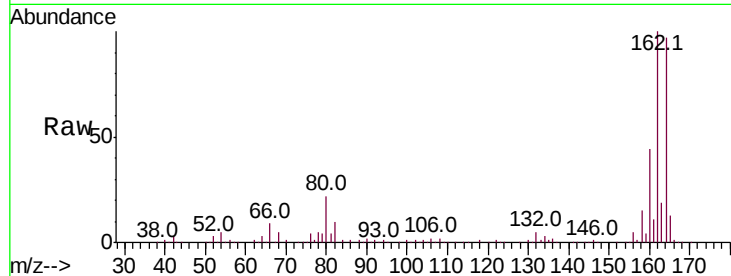
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.04 min
 Lab File: BF116340.D
 Acq: 17 Aug 2019 1:38

Instrument :
 BNA_F
 ClientSampleId :
 2S-I1-I4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	124.0
160	45.8	37.6	56.4

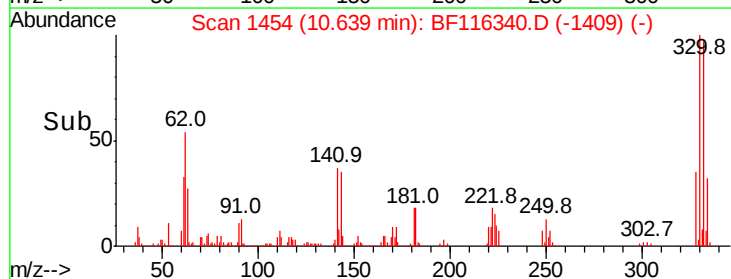
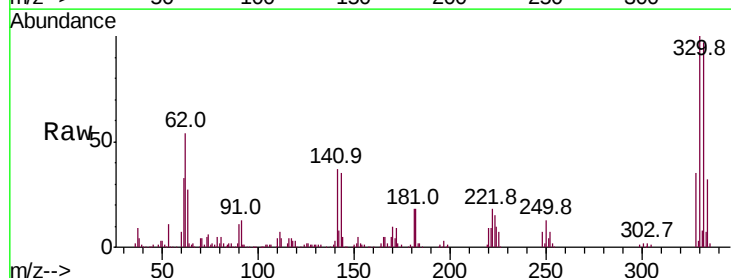
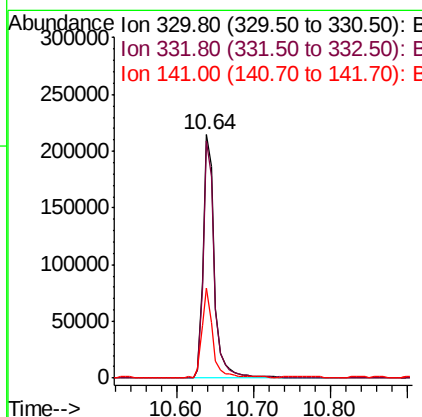
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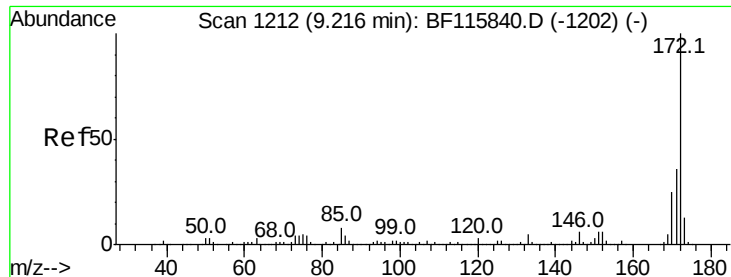
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#42
 2,4,6-Tribromophenol
 Concen: 82.555 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF116340.D
 Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.8	115.2
141	35.3	26.3	39.5





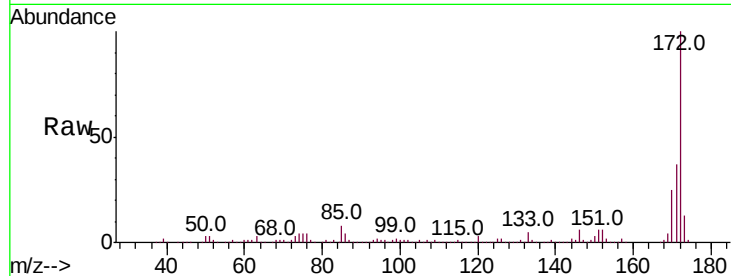
#45
2-Fluorobiphenyl
Concen: 68.821 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
2S-I1-I4-COMP-(0-1)

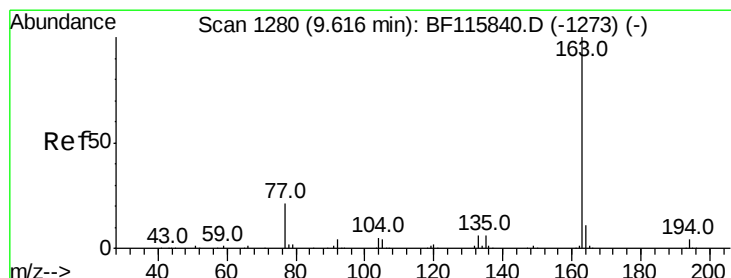
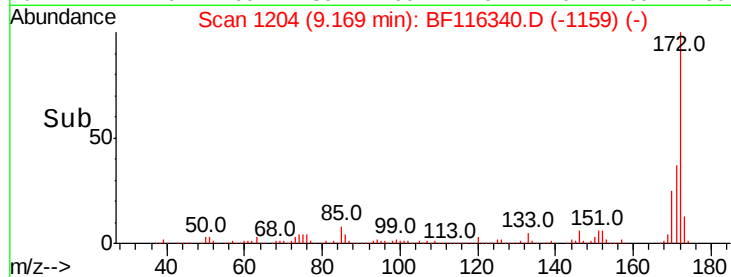
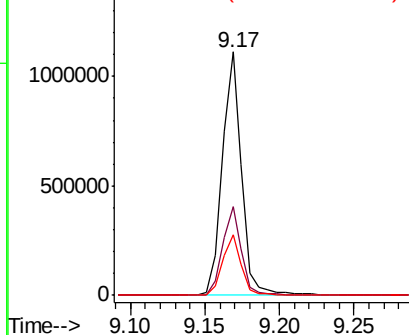
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.8	20.1	30.1

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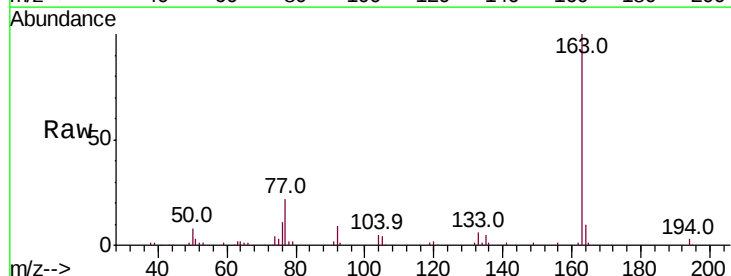


Abundance Ion 172.00 (171.70 to 172.70): E
1500000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

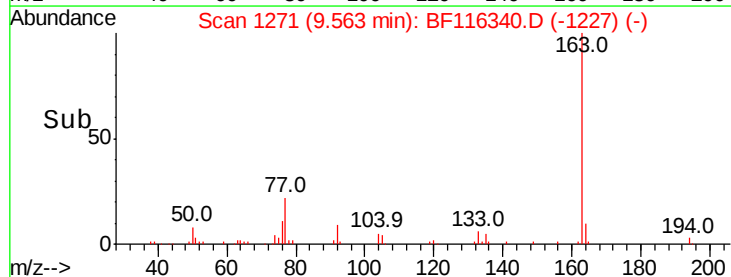
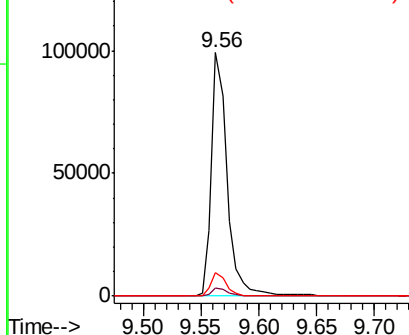


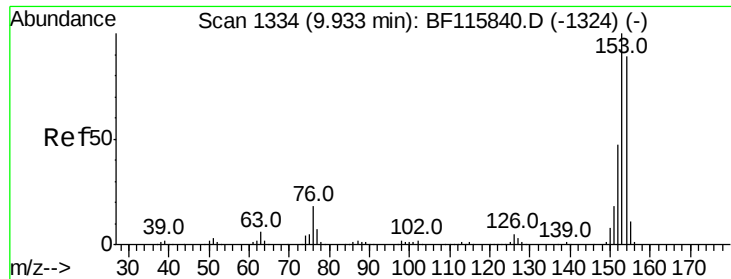
#50
Dimethylphthalate
Concen: 5.029 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.04 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.6
164	9.6	8.4	12.6



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





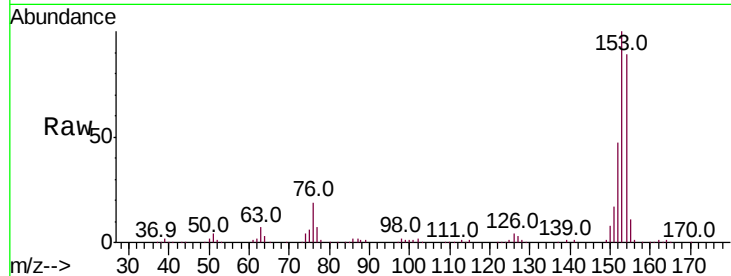
#52
Acenaphthene
Concen: 11.257 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.04 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Instrument :
BNA_F
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2S-11-14-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.4	134.0
152	52.3	42.3	63.5

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8/20/2019 8:37:19 AM

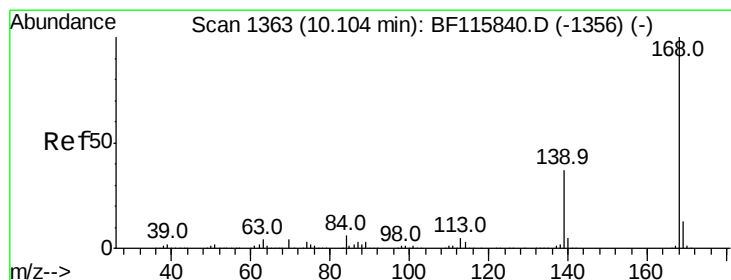
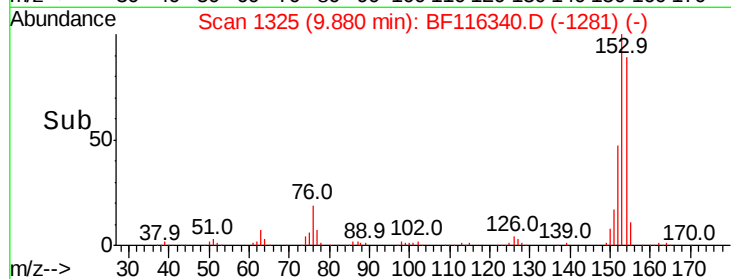
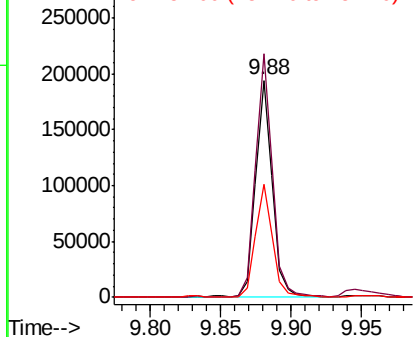


Abundance

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: 5.350 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.04 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

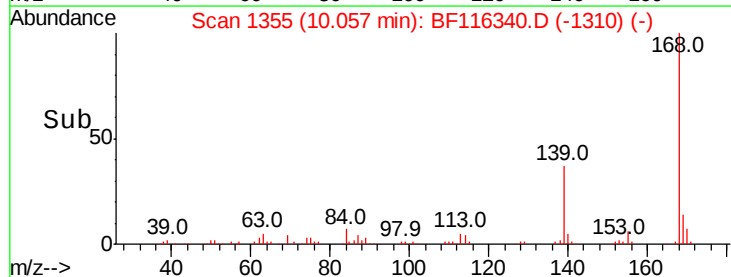
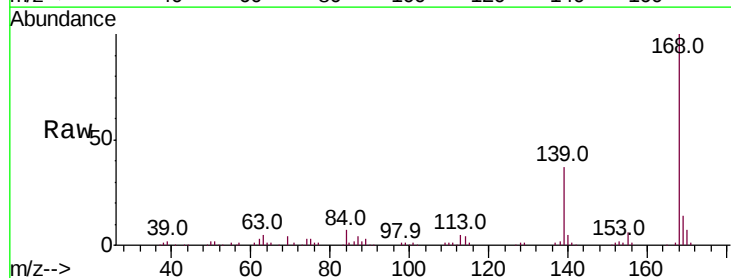
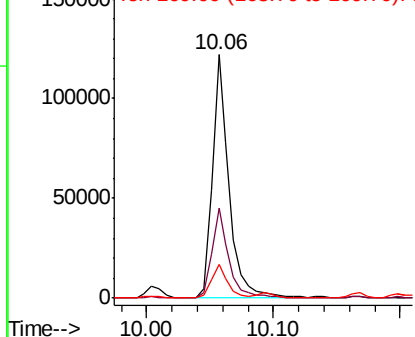
Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.0	31.4	47.2
169	14.0	10.9	16.3

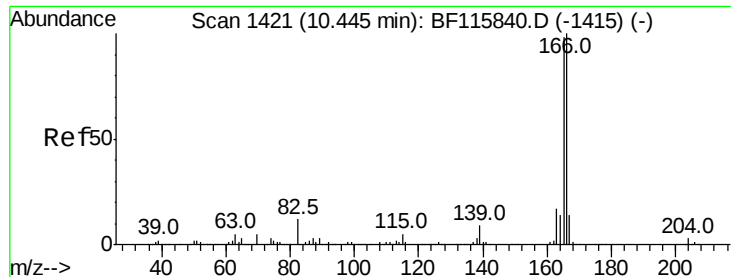
Abundance

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





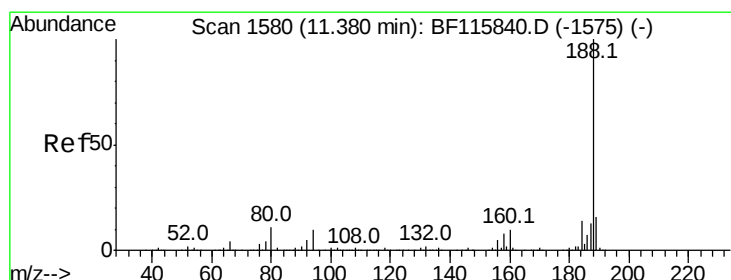
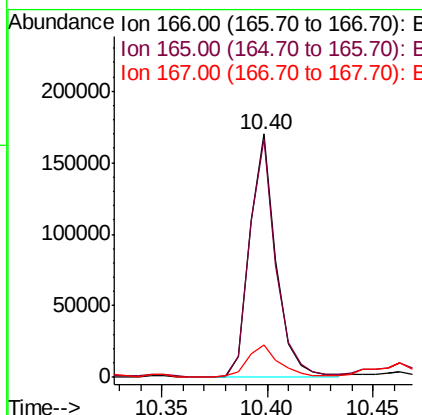
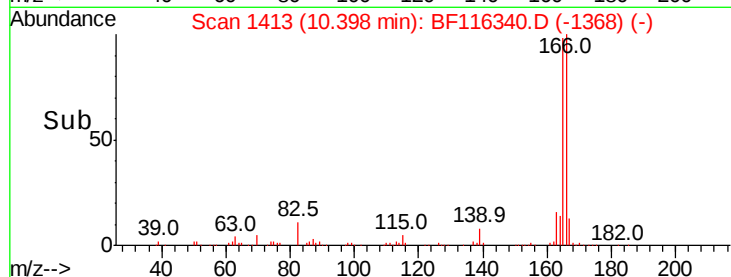
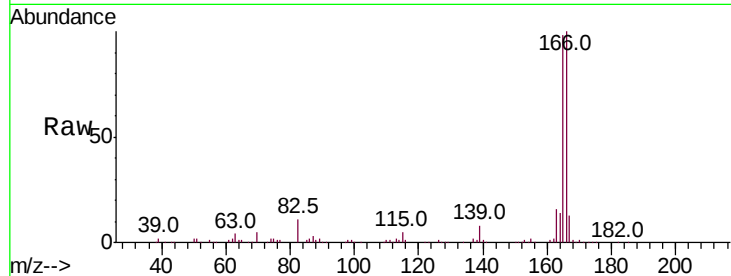
#58
 Fluorene
 Concen: 9.054 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.04 min
 Lab File: BF116340.D
 Acq: 17 Aug 2019 1:38

Instrument :
 BNA_F
 ClientSampleId :
 2S-I1-I4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
166	100	147397		
165	98.0		78.4	117.6
167	13.4		11.0	16.4

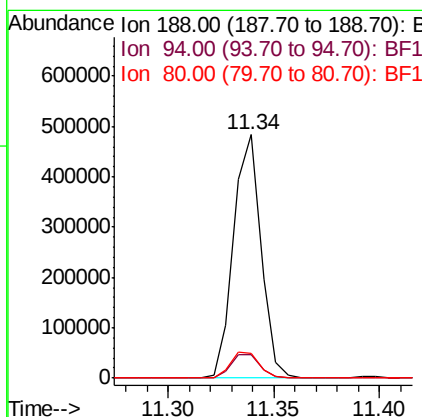
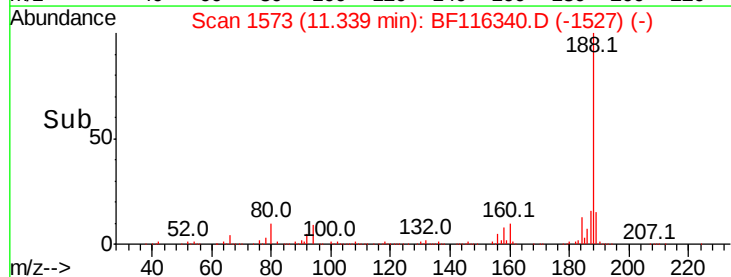
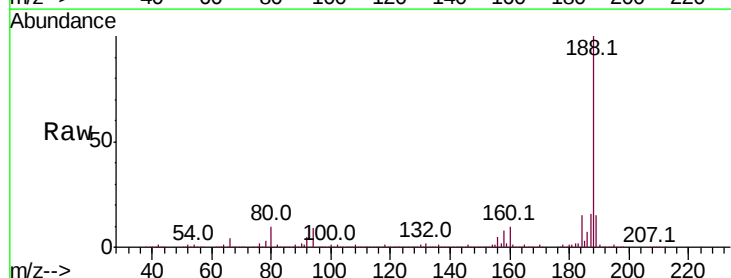
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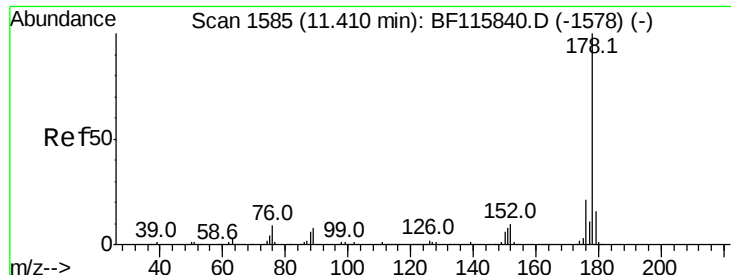
mohammad
 8/20/2019 8:37:19 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: BF116340.D
 Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	433686		
94	9.4		8.1	12.1
80	10.1		8.7	13.1





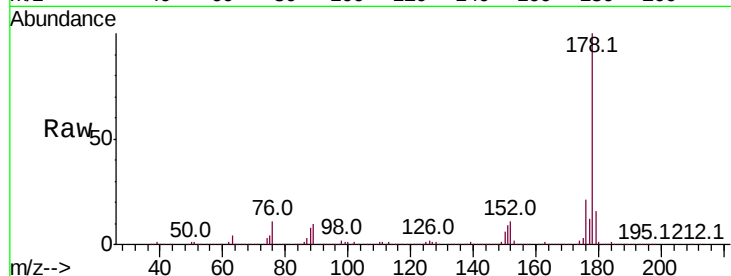
#71
Phenanthrene
Concen: 73.740 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.04 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
2S-11-I4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.9	16.6	24.8
179	16.4	12.5	18.7

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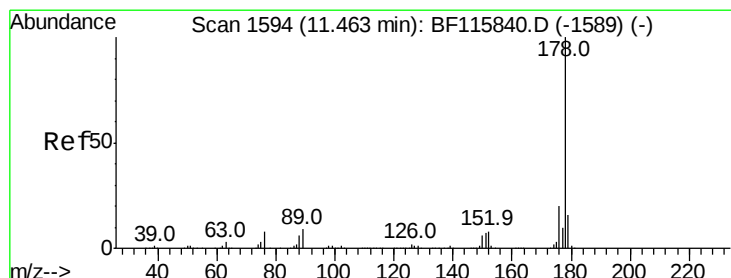
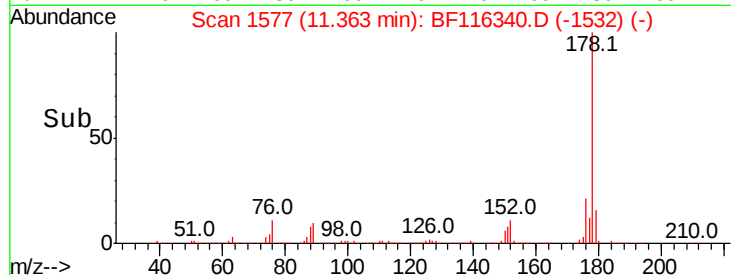
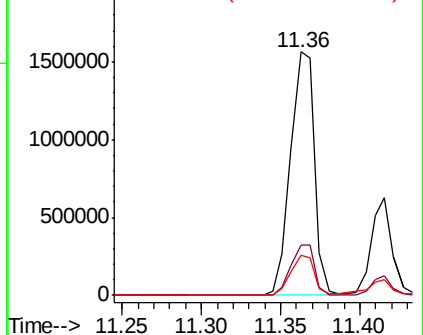


Abundance

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



#72
Anthracene
Concen: 24.665 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.03 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

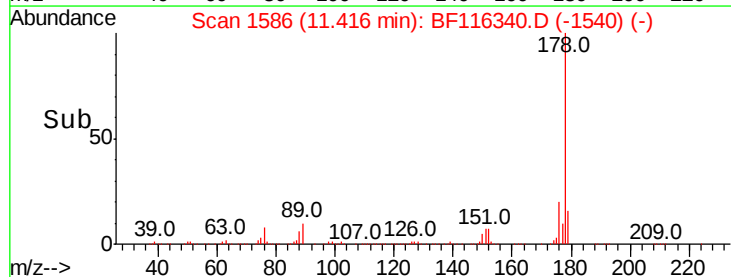
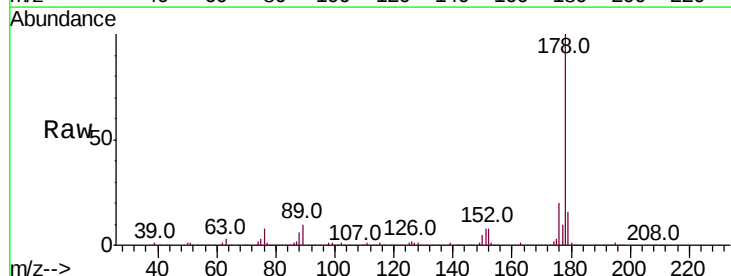
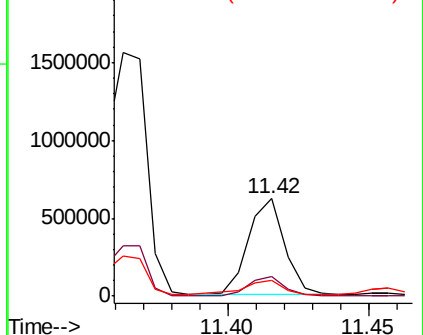
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	16.0	13.0	19.6

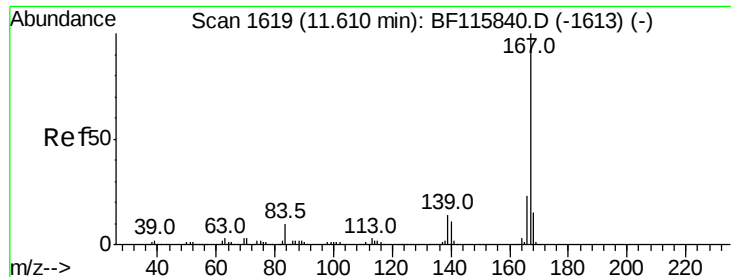
Abundance

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





#73

Carbazole

Concen: 8.788 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.03 min

Lab File: BF116340.D

Acq: 17 Aug 2019 1:38

Instrument :

BNA_F

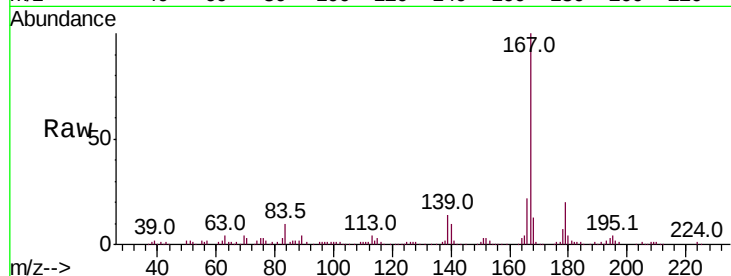
ClientSampleId :

2S-I1-I4-COMP-(0-1)

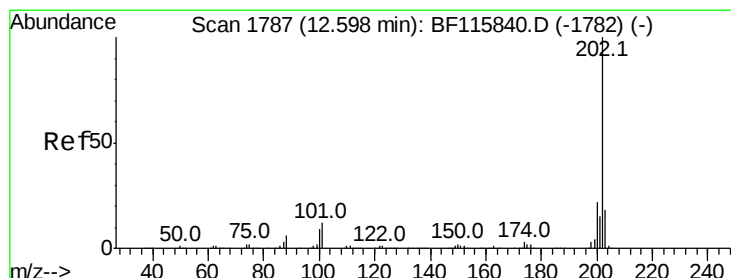
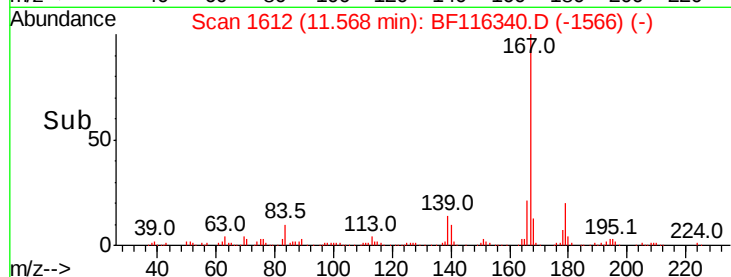
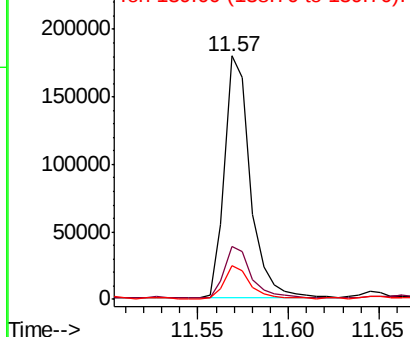
Tot Ion:	167	Resp:	178893
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.8	26.6
139	13.8	11.4	17.0

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 83.834 ng

RT: 12.56 min Scan# 1780

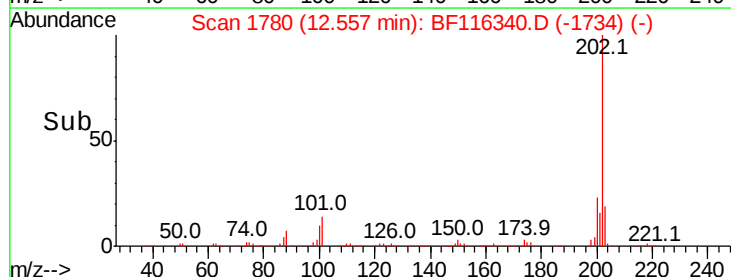
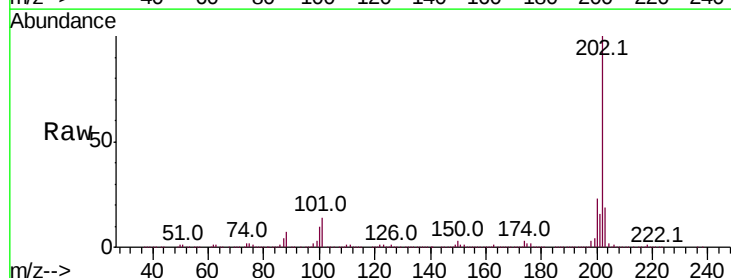
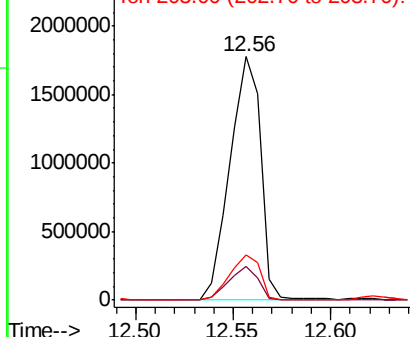
Delta R.T. -0.03 min

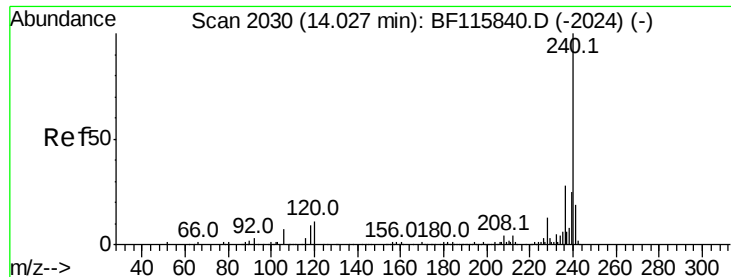
Lab File: BF116340.D

Acq: 17 Aug 2019 1:38

Tgt Ion:	202	Resp:	1945846
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	31.2
203	18.7	0.0	37.8

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





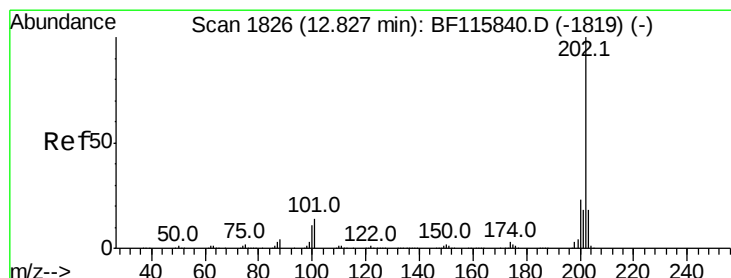
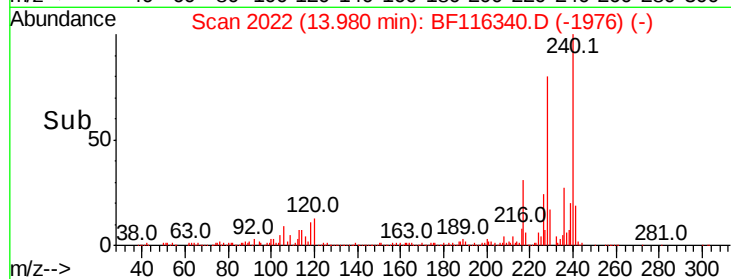
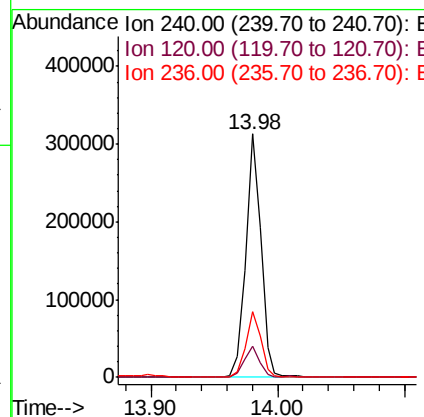
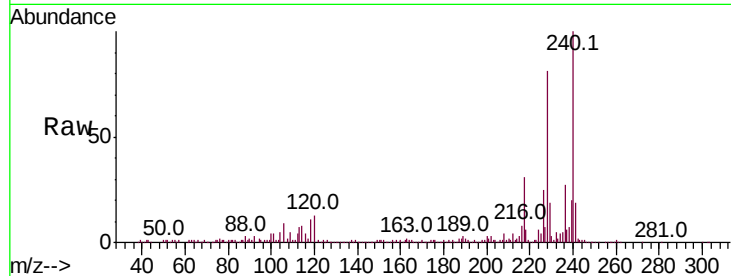
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
2S-I1-I4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	254869		
120	12.6	10.7	16.1	
236	27.2	22.2	33.2	

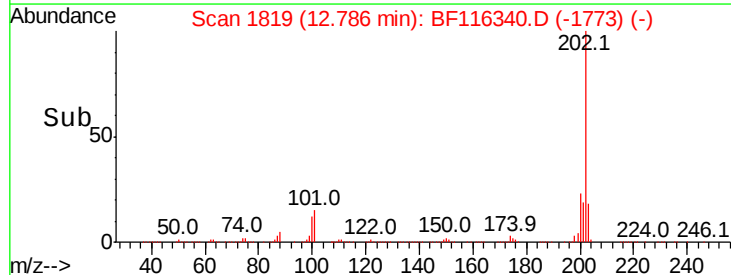
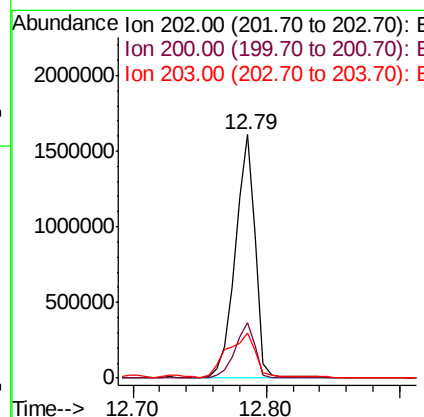
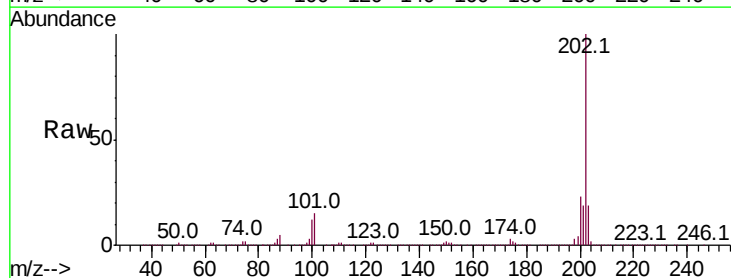
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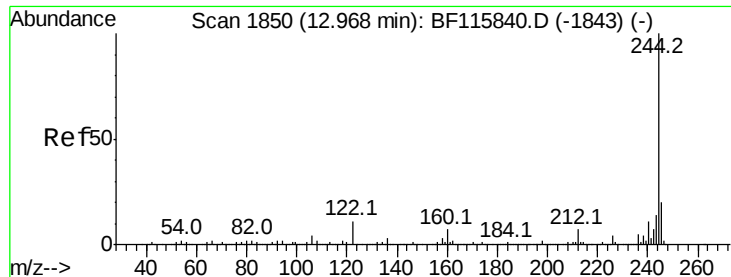
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#78
Pyrene
Concen: 87.568 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.03 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1682386		
200	22.9	18.0	27.0	
203	18.5	14.1	21.1	





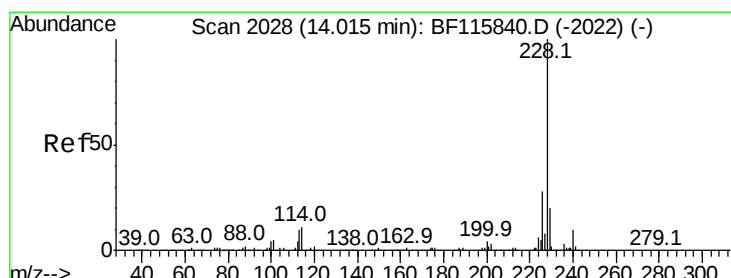
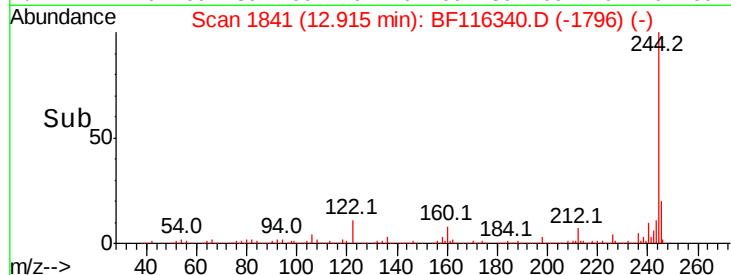
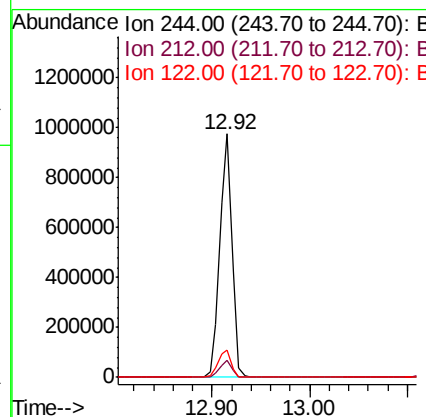
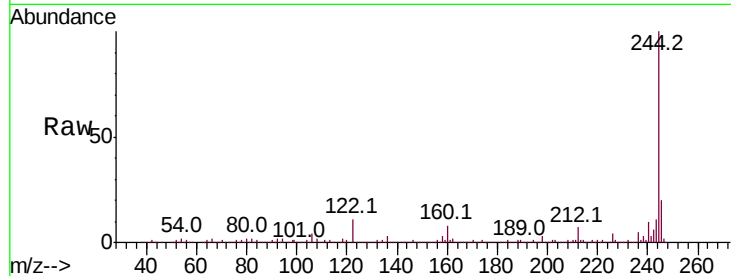
#79
 Terphenyl-d14
 Concen: 69.781 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: BF116340.D
 Acq: 17 Aug 2019 1:38

Instrument :
 BNA_F
 ClientSampleId :
 2S-I1-I4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.4	9.0	13.4

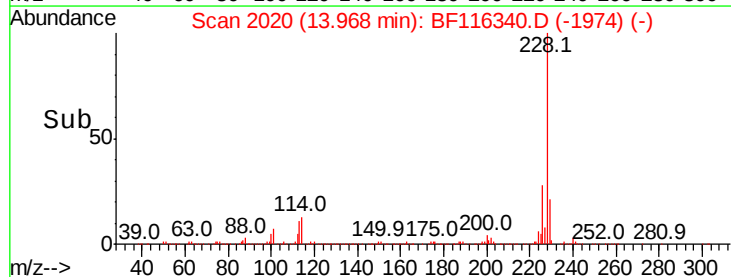
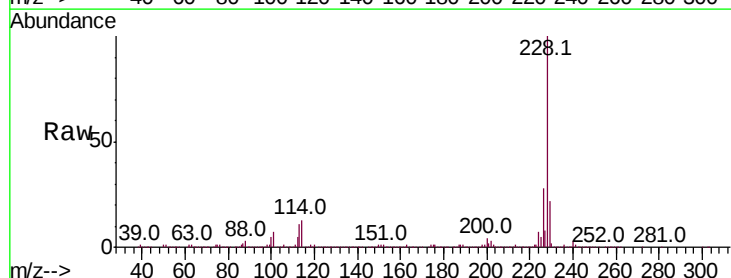
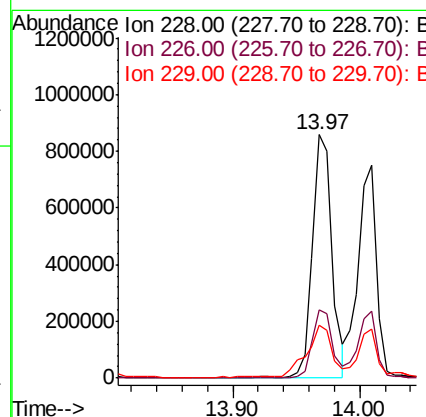
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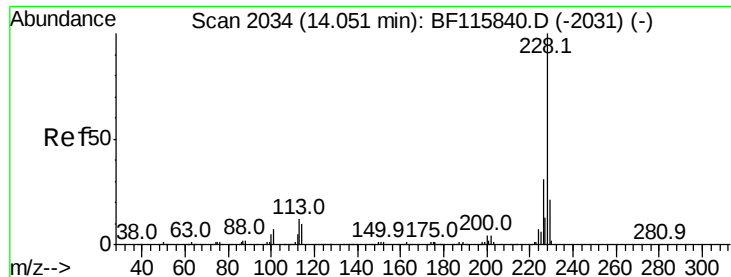
mohammad
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#81
 Benzo(a)anthracene
 Concen: 55.713 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.03 min
 Lab File: BF116340.D
 Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	21.5	16.2	24.4





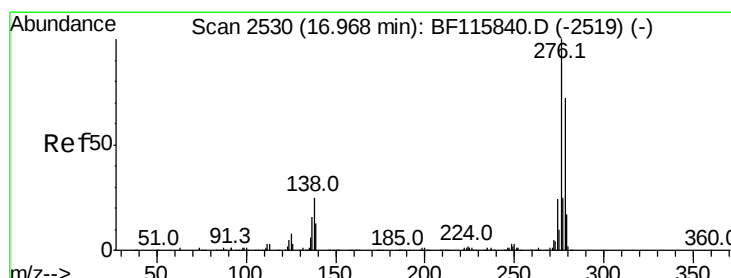
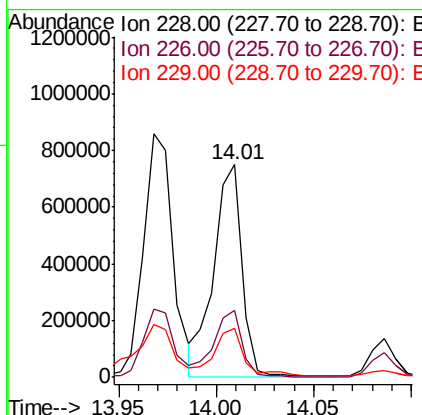
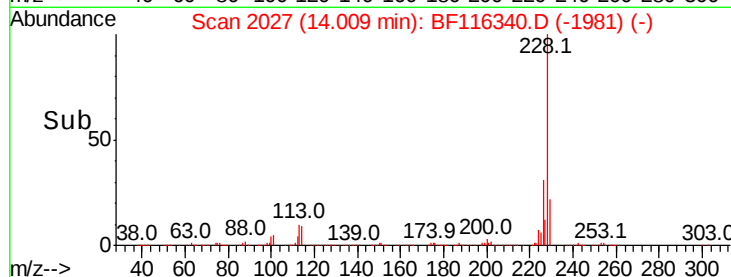
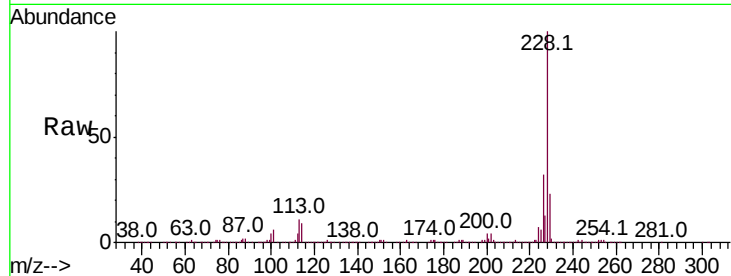
#83
Chrysene
Concen: 47.565 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
2S-I1-I4-COMP-(0-1)

Tot Ion:	228	Resp:	752255
Ion Ratio	Lower	Upper	
228	100		
226	31.7	25.5	38.3
229	23.3	16.6	24.8

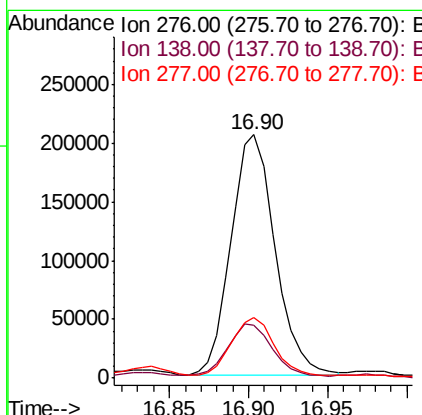
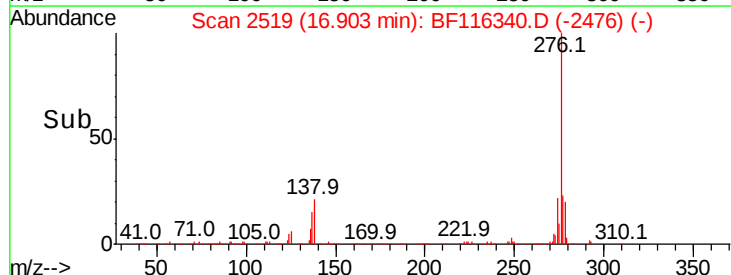
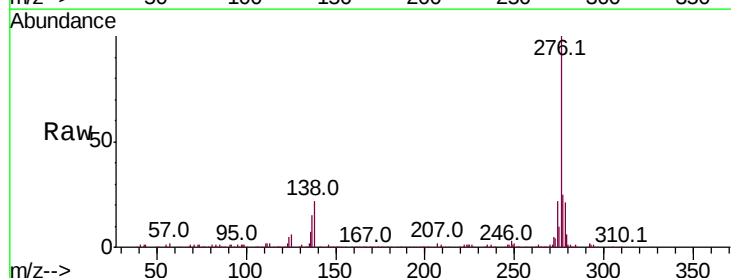
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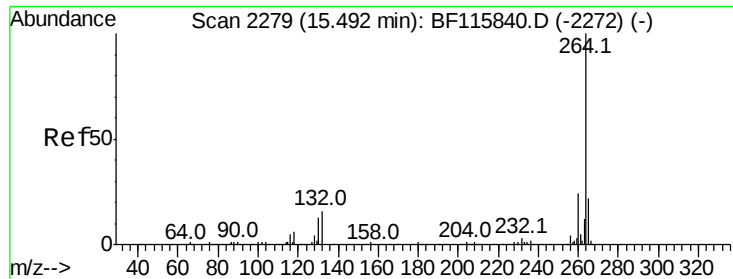
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 29.643 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.05 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Tgt Ion:	276	Resp:	393761
Ion Ratio	Lower	Upper	
276	100		
138	23.0	20.4	30.6
277	24.3	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.04 min

Lab File: BF116340.D

Acq: 17 Aug 2019 1:38

Instrument :

BNA_F

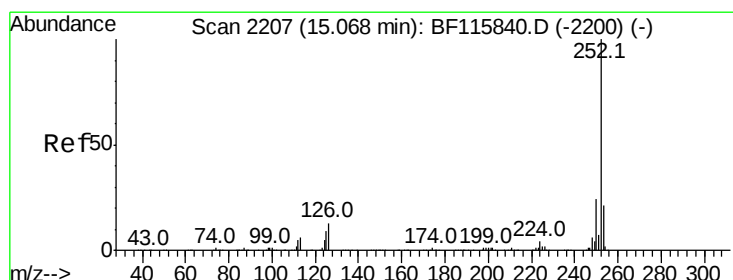
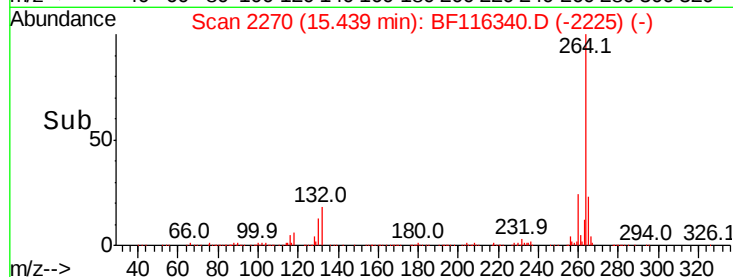
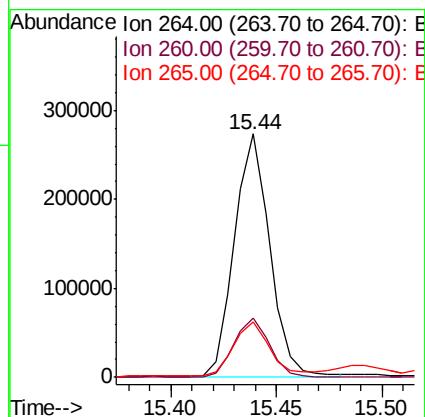
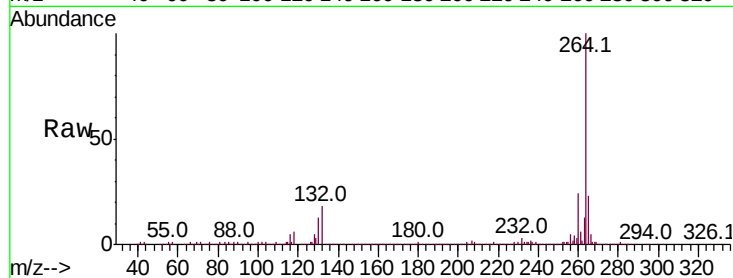
ClientSampleId :

2S-I1-I4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.7	29.5
265	22.8	17.4	26.0

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#88

Benzo(b)fluoranthene

Concen: 49.942 ng m

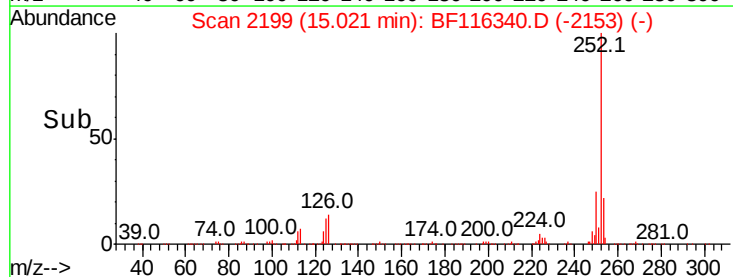
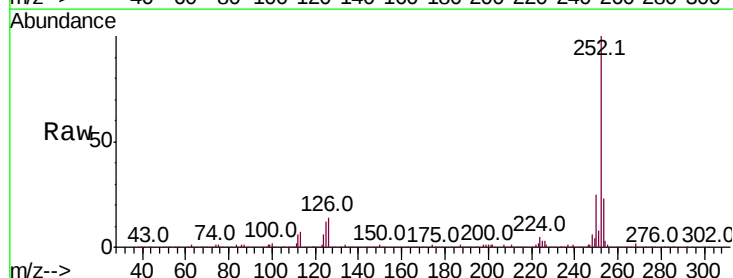
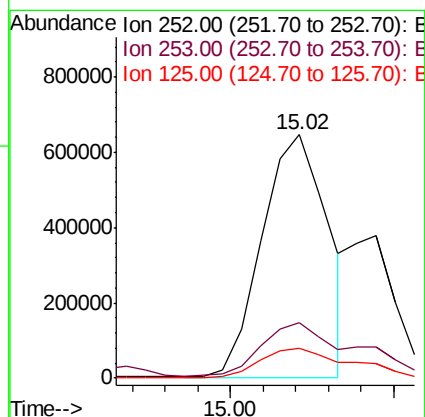
RT: 15.02 min Scan# 2199

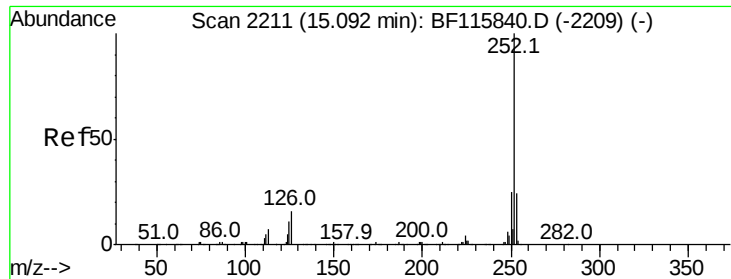
Delta R.T. -0.03 min

Lab File: BF116340.D

Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.1	8.4	12.6





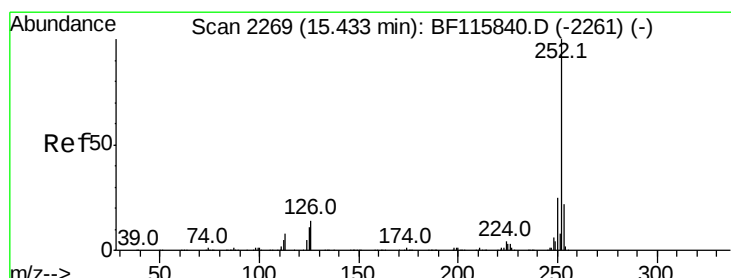
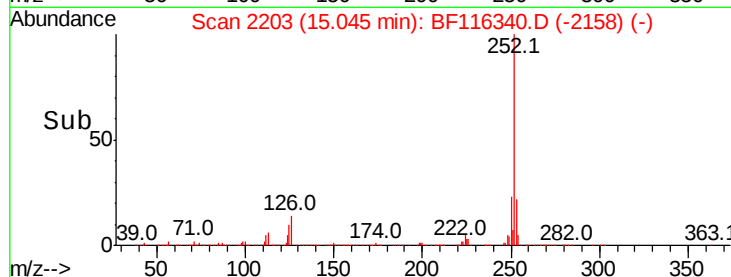
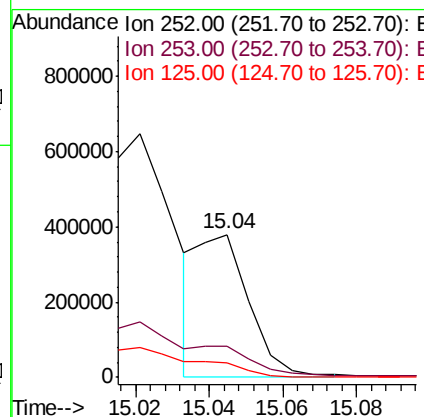
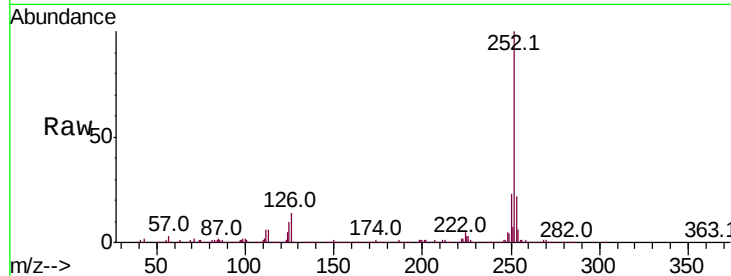
#89
Benzo(k)fluoranthene
Concen: 20.534 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
2S-I1-I4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.2	7.7	11.5

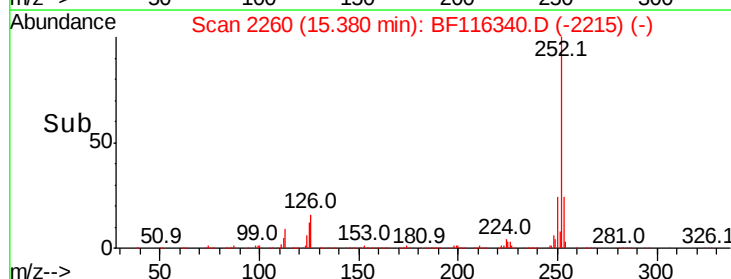
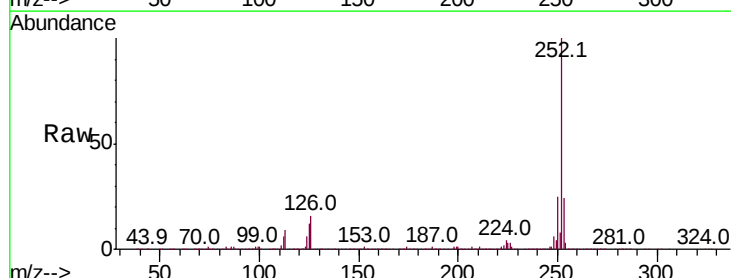
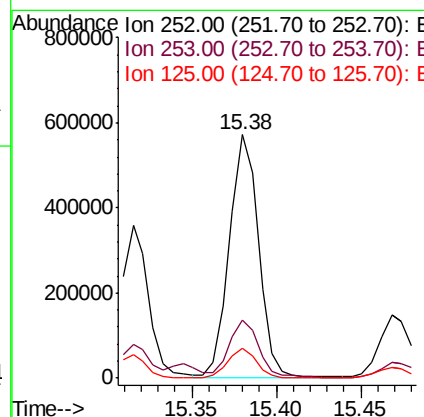
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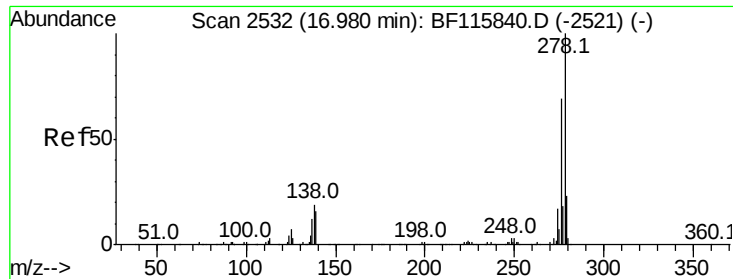
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#90
Benzo(a)pyrene
Concen: 42.177 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.04 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	12.0	8.9	13.3





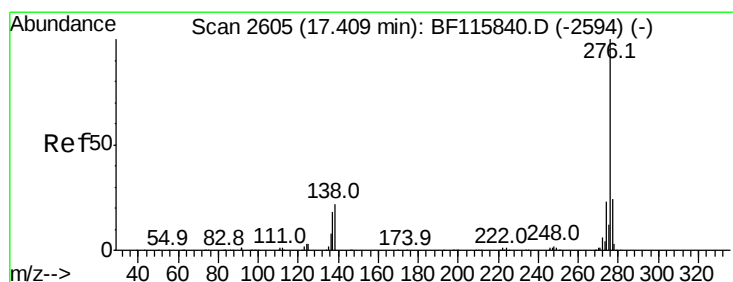
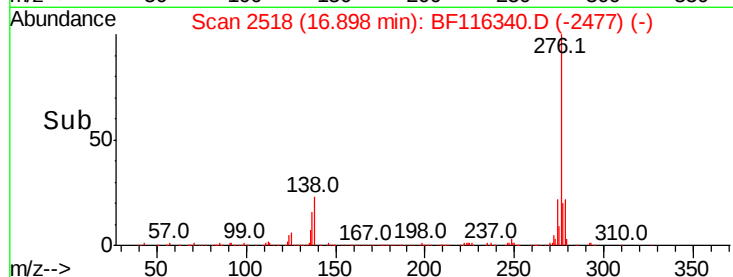
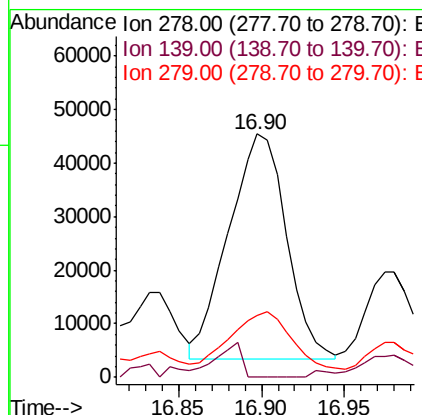
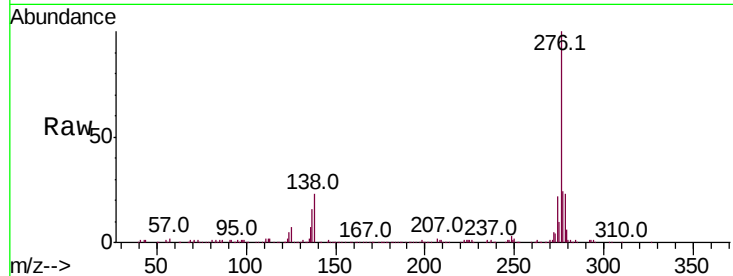
#91
Dibenzo(a,h)anthracene
Concen: 7.216 ng m
RT: 16.90 min Scan# 2518
Delta R.T. -0.06 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Instrument :
BNA_F
ClientSampleId :
2S-I1-I4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	25.6	18.8	28.2

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#92
Benzo(g,h,i)perylene
Concen: 24.033 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.05 min
Lab File: BF116340.D
Acq: 17 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.4	27.6
138	23.0	17.0	25.6

