

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115954.D
 Acq On : 2 Aug 2019 18:44
 Operator : HP/JU
 Sample : K4131-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(0-1)

Manual Integrations
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 8/8/2019 4:44:25 PM

Quant Time: Aug 03 00:47:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	123832	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	491542	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	266123	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	495933	20.00	ng	0.00
76) Chrysene-d12	14.03	240	378084	20.00	ng	0.00
87) Perylene-d12	15.50	264	380608	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	688599	93.09	ng	0.00
7) Phenol-d6	6.48	99	902520	96.70	ng	0.00
23) Nitrobenzene-d5	7.41	82	572363	67.21	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	235690	91.35	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	975310	68.65	ng	0.00
79) Terphenyl-d14	12.97	244	1190681	66.36	ng	0.00
Target Compounds						
10) Phenol	6.49	94	38046	3.462	ng	89
50) Dimethylphthalate	9.60	163	102409	5.652	ng	98
52) Acenaphthene	9.92	154	138327	9.884	ng	99
55) Dibenzofuran	10.10	168	80824	3.971	ng	98
58) Fluorene	10.44	166	137993	8.812	ng	99
71) Phenanthrene	11.41	178	1716229	67.693	ng	99
72) Anthracene	11.46	178	648352	25.268	ng	99
73) Carbazole	11.61	167	150789	6.478	ng	98
75) Fluoranthene	12.61	202	2499408	94.167	ng	99
78) Pyrene	12.83	202	2254133	79.091	ng	99
81) Benzo(a)anthracene	14.02	228	1286237	53.226	ng	98
83) Chrysene	14.06	228	1097789	46.792	ng	96
86) Indeno(1,2,3-cd)pyrene	16.98	276	497857	25.266	ng	96
88) Benzo(b)fluoranthene	15.07	252	1108284m	50.360	ng	
89) Benzo(k)fluoranthene	15.10	252	440304m	20.541	ng	
90) Benzo(a)pyrene	15.44	252	822304	41.799	ng	97
91) Dibenzo(a,h)anthracene	16.98	278	133107m	7.817	ng	
92) Benzo(g,h,i)perylene	17.43	276	455021	27.208	ng	99

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

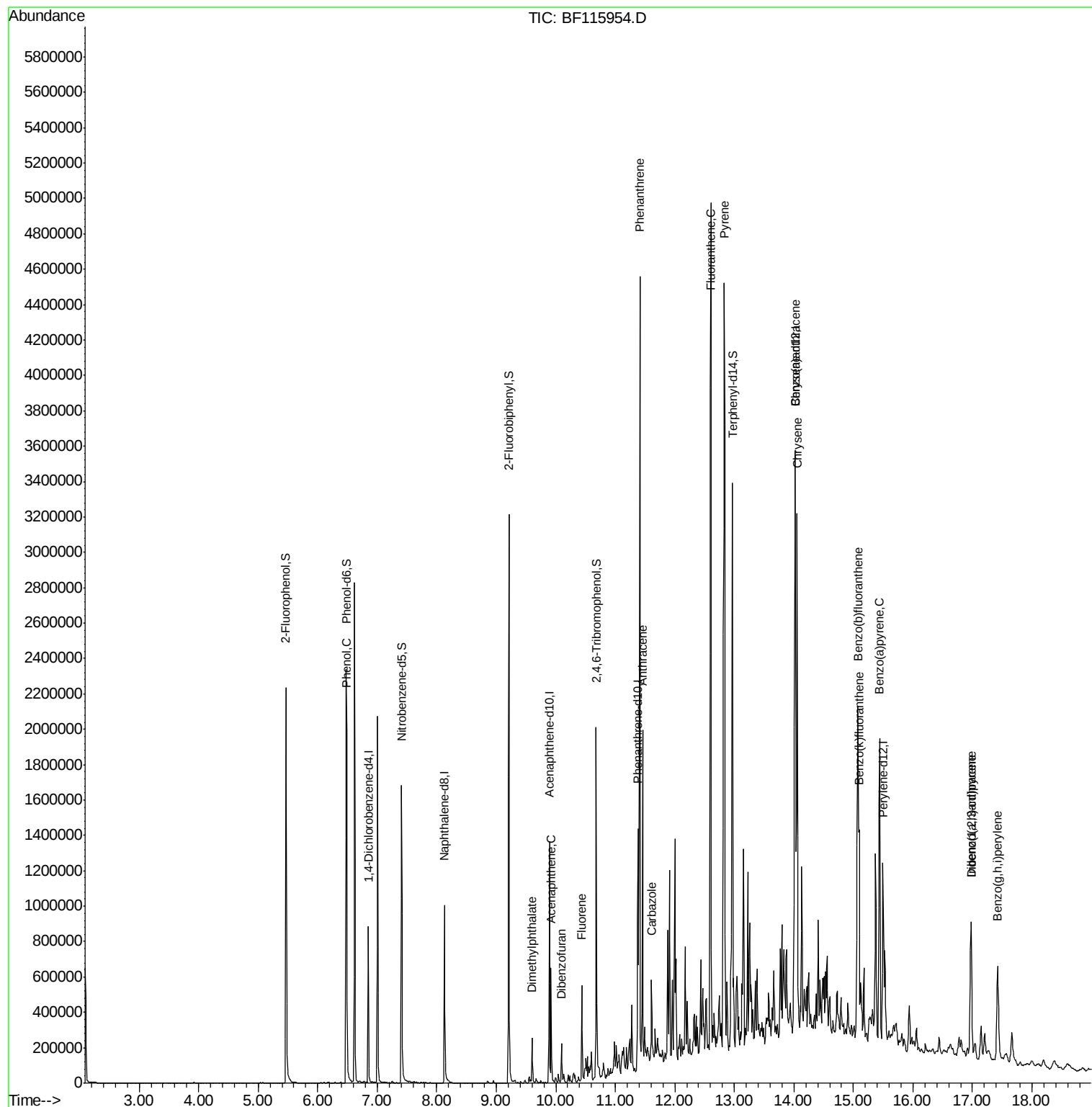
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115954.D
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ALS Vial : 8 Sample Multiplier: 1

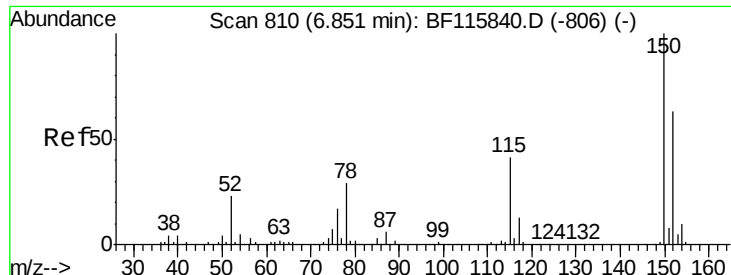
Instrument :
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#1

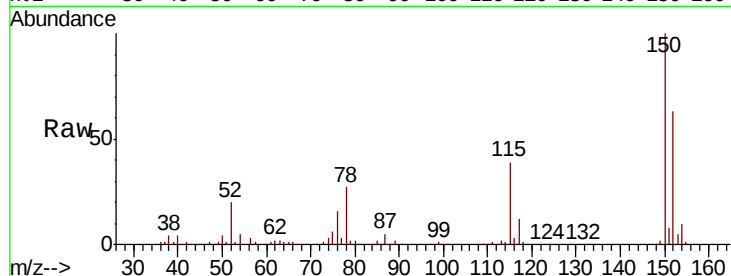
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	127.4	191.0
115	61.6	51.8	77.8

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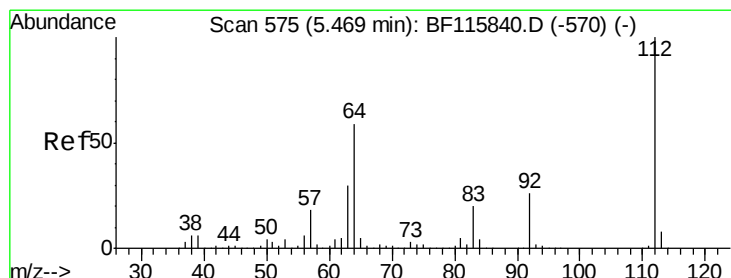
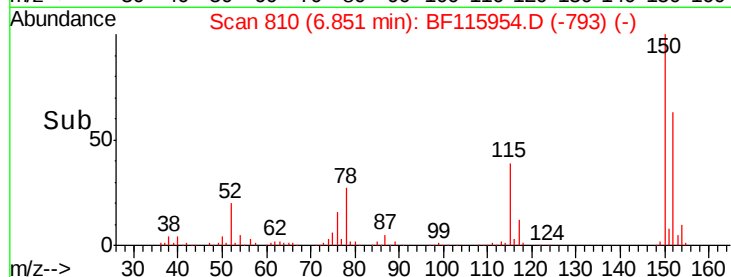
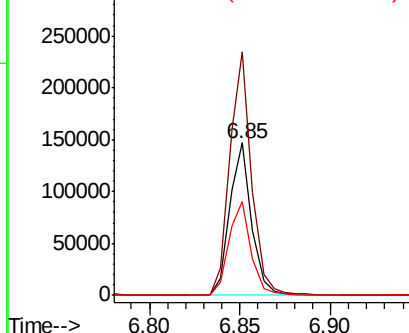


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

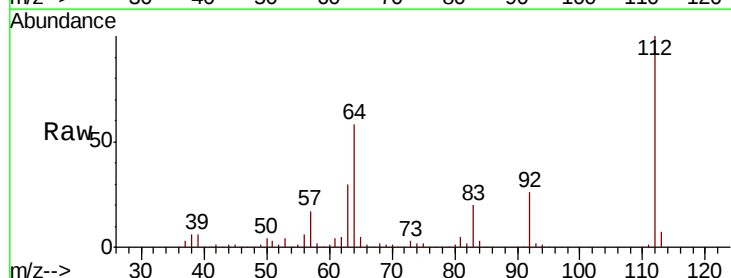
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.090 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.8	70.2
63	30.4	24.2	36.2

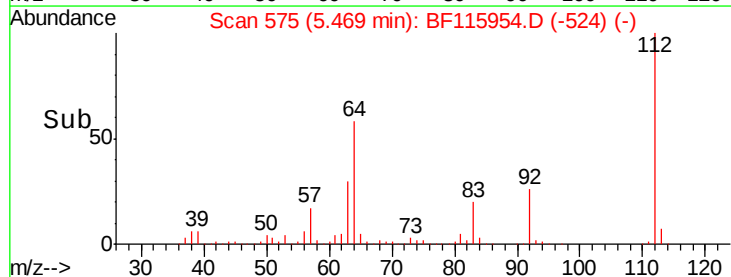
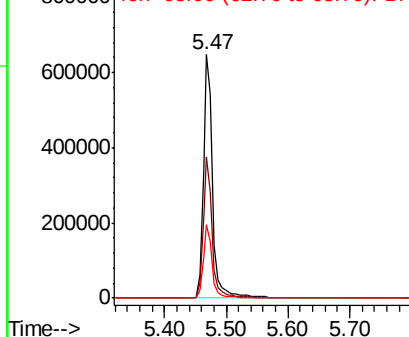


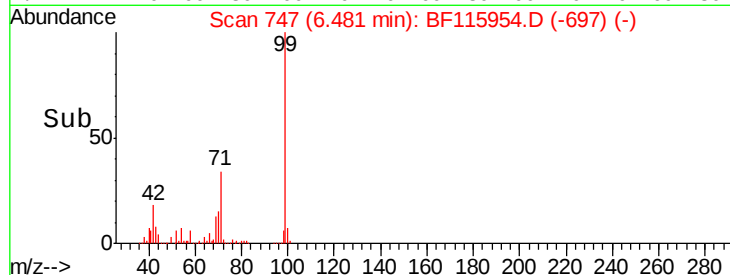
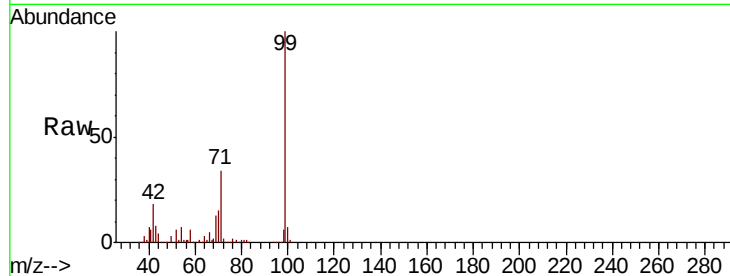
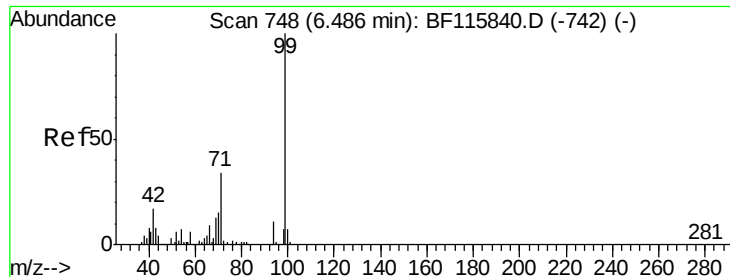
Abundance

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: 96.705 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115954.D

Acq: 2 Aug 2019 18:44

Tot Ion:	99	Resp:	902520
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.8	20.6
71	34.4	27.1	40.7

Instrument :

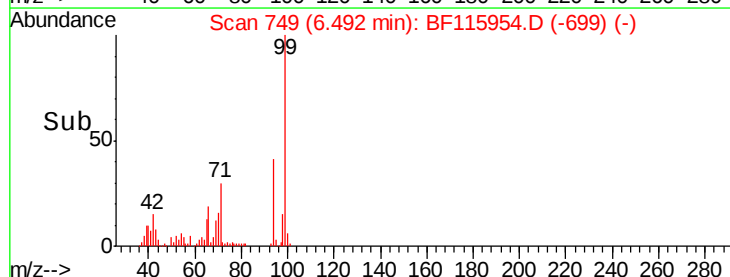
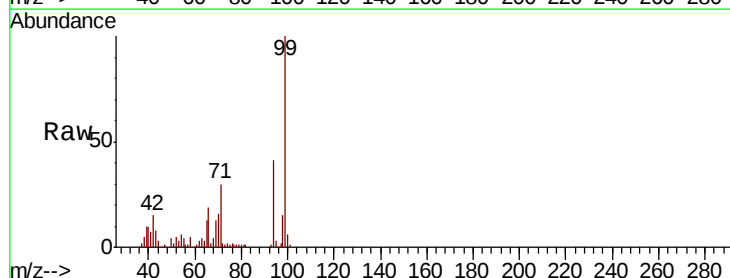
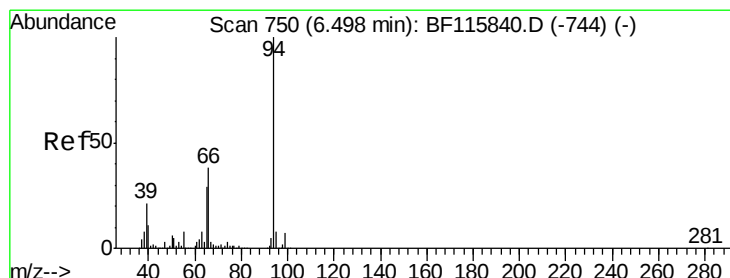
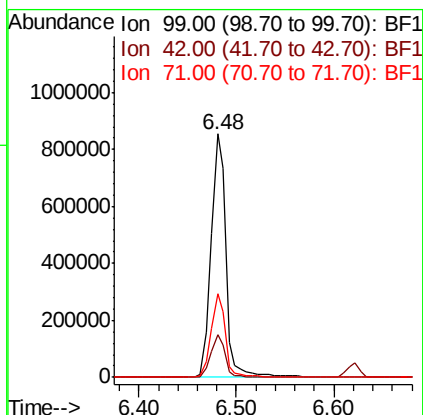
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ClientSampleId :

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#10

Phenol

Concen: 3.462 ng

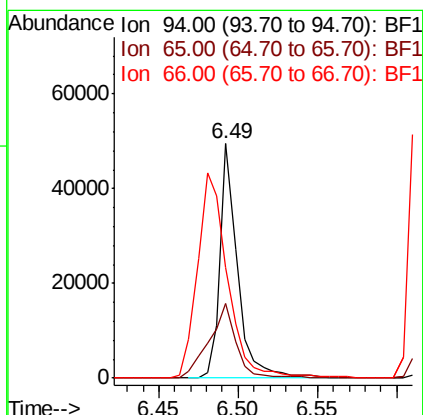
RT: 6.49 min Scan# 749

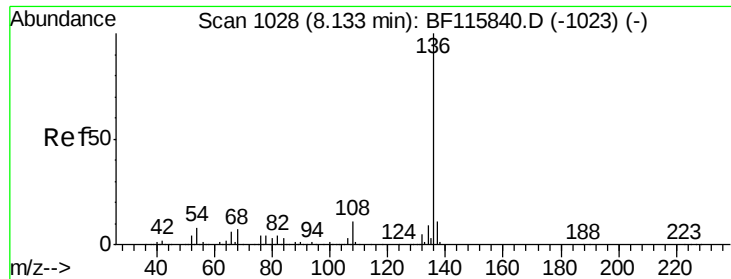
Delta R.T. -0.01 min

Lab File: BF115954.D

Acq: 2 Aug 2019 18:44

Tgt Ion:	94	Resp:	38046
Ion Ratio	Lower	Upper	
94	100		
65	31.7	8.9	48.9
66	47.4	18.0	58.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF115954.D

Acq: 2 Aug 2019 18:44

Instrument :

BNA_F

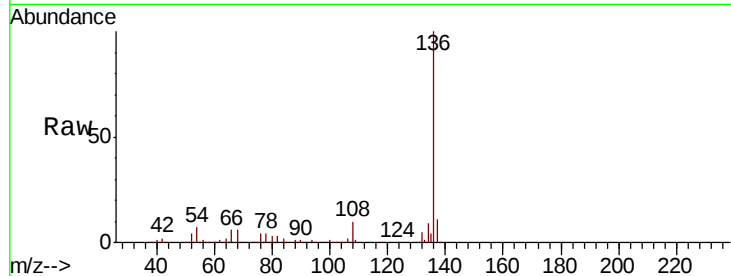
ClientSampleId :

1S-D1-D4-COMP-(0-1)

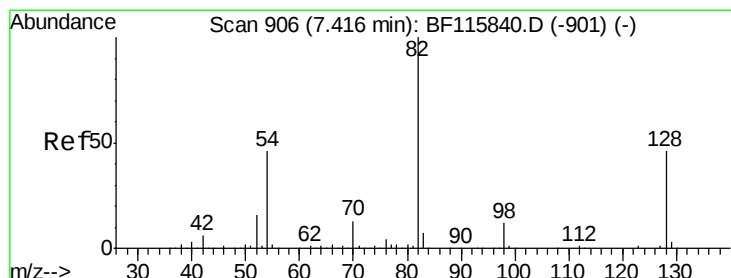
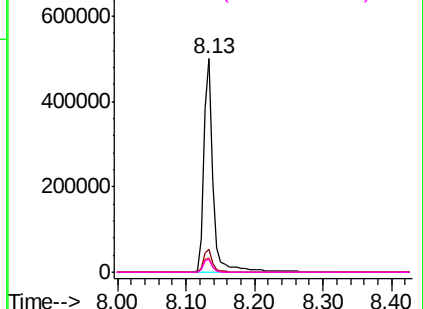
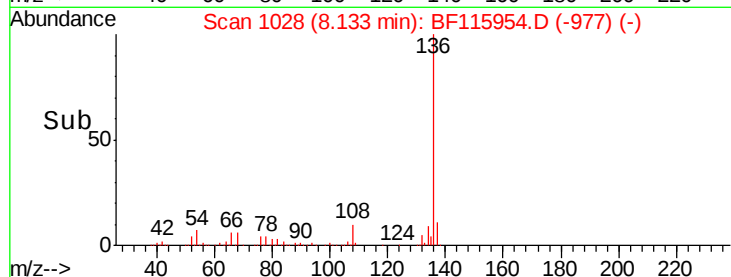
Tot Ion	Ratio	Resp	Lower	Upper
136	100	491542		
137	11.0		9.1	13.7
54	6.8		6.1	9.1
68	5.8		5.4	8.2

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 67.214 ng

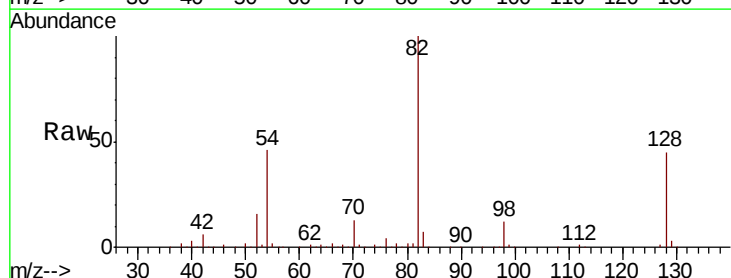
RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

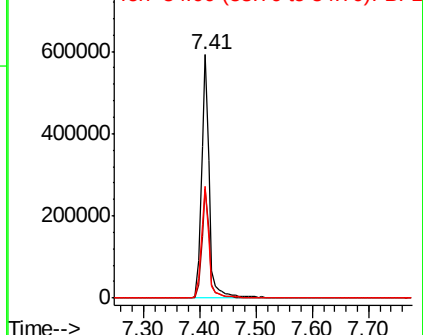
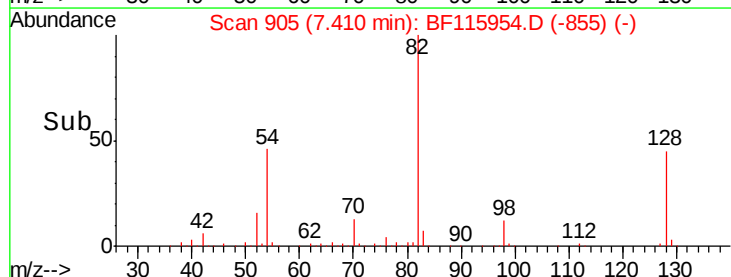
Lab File: BF115954.D

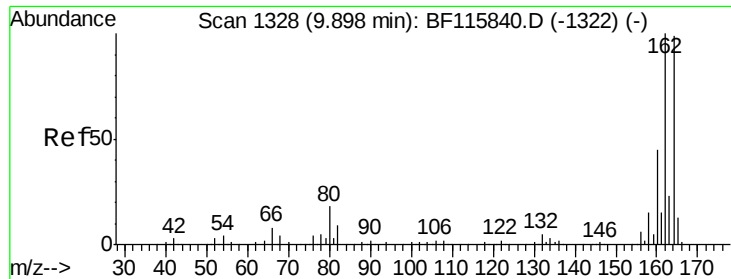
Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	572363		
128	44.7		36.6	55.0
54	46.1		36.6	55.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





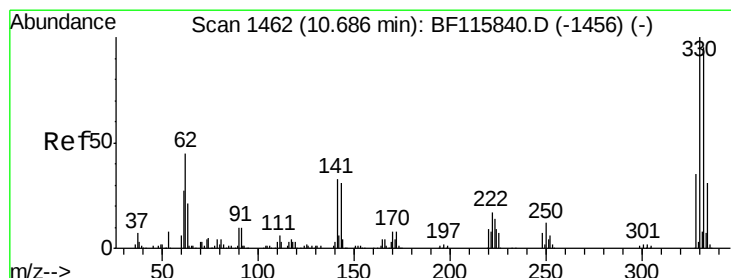
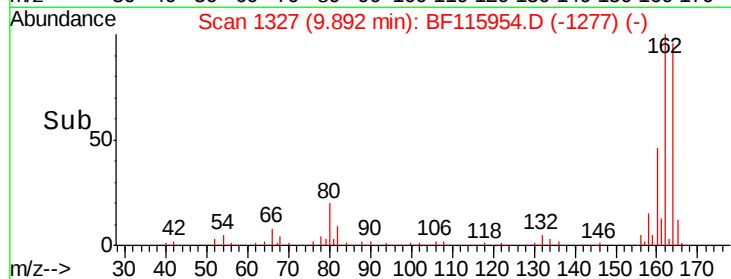
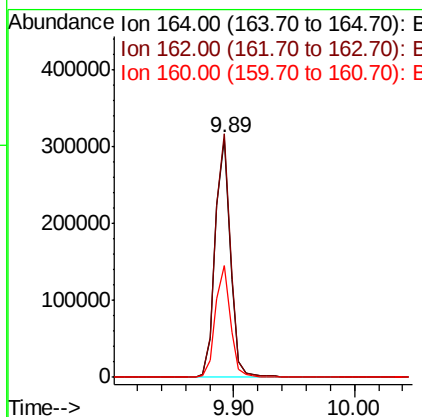
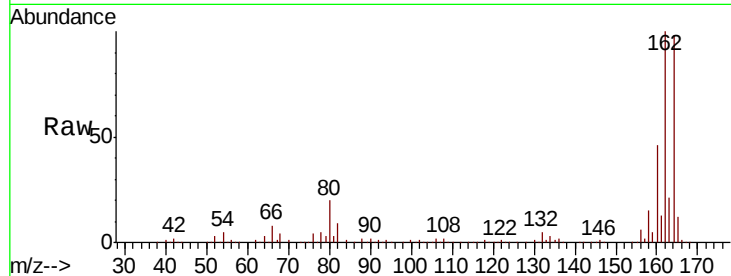
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	266123		
162	101.9	80.8	121.2	
160	46.7	36.2	54.4	

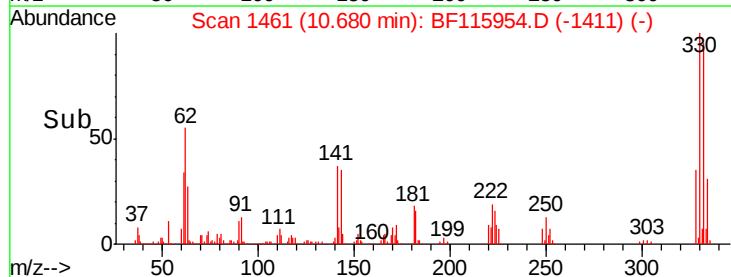
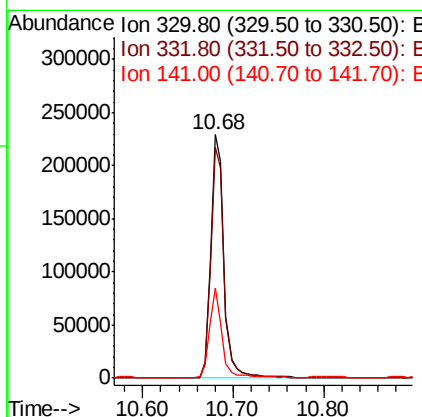
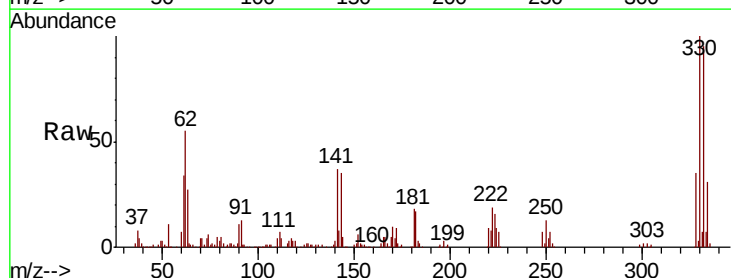
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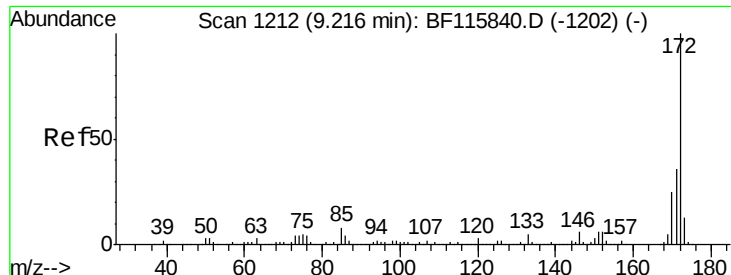
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#42
2,4,6-Tribromophenol
Concen: 91.348 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	235690		
332	95.8	77.7	116.5	
141	36.1	28.1	42.1	





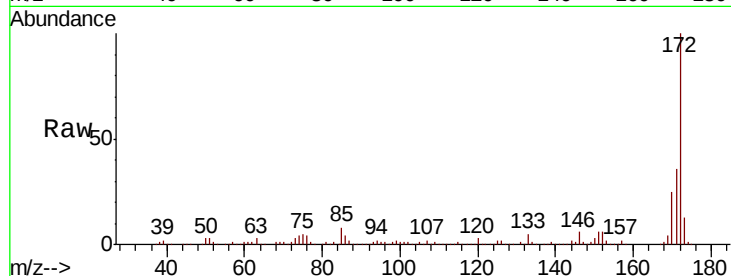
#45
2-Fluorobiphenyl
Concen: 68.646 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	975310		
171	36.1		29.1	43.7
170	25.0		20.1	30.1

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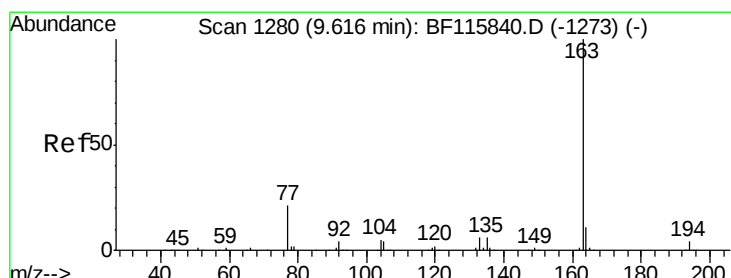
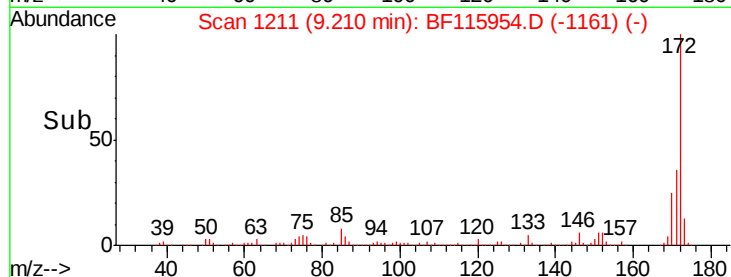
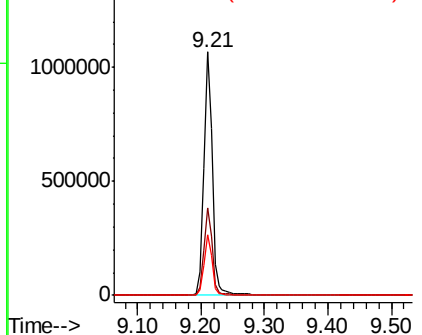


Abundance

Ion 172.00 (171.70 to 172.70): E

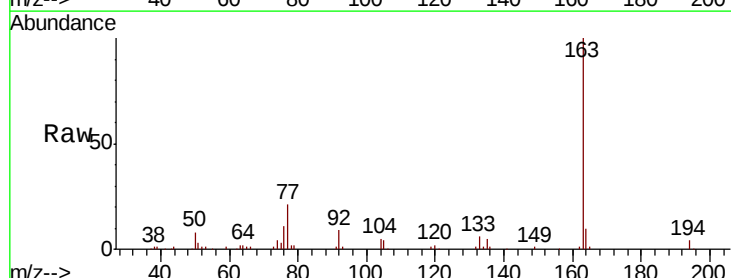
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.652 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	102409		
194	3.6		3.0	4.6
164	9.8		8.4	12.6

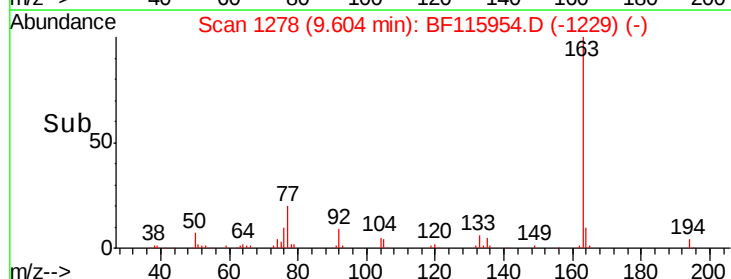
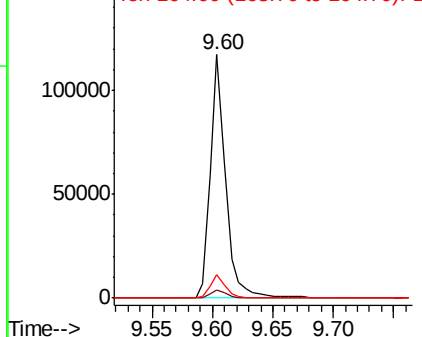


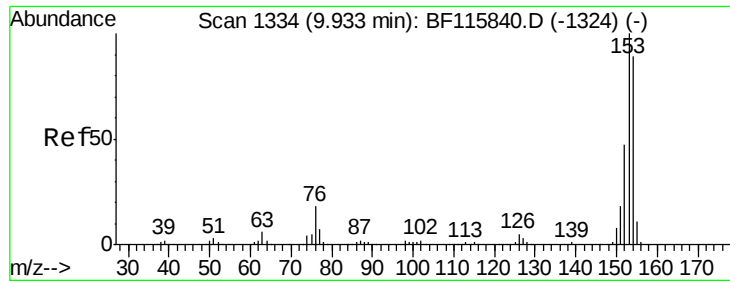
Abundance

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: 9.884 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115954.D

Acq: 2 Aug 2019 18:44

Instrument :

BNA_F

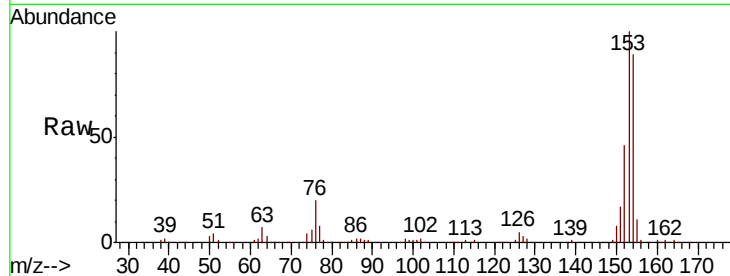
ClientSampleId :

1S-D1-D4-COMP-(0-1)

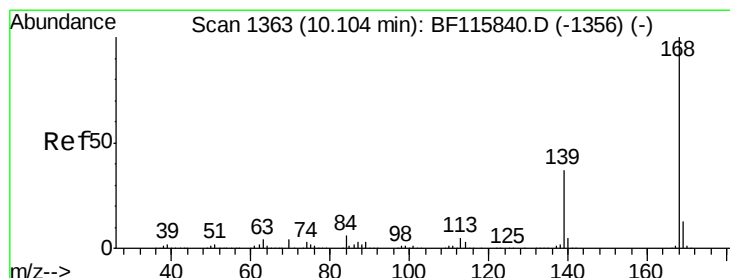
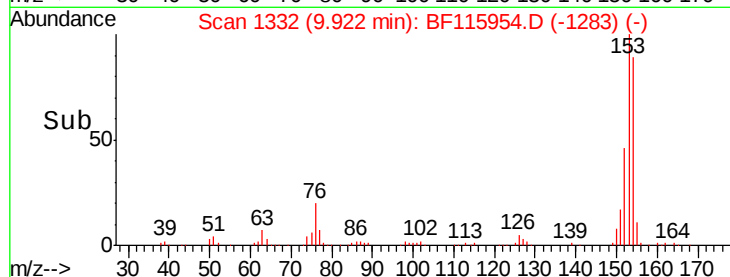
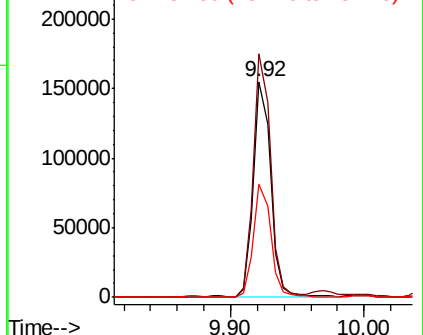
Tot Ion:	154	Resp:	138327
Ion Ratio	Lower	Upper	
154	100		
153	113.0	90.1	135.1
152	52.5	42.6	63.8

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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: 3.971 ng

RT: 10.10 min Scan# 1362

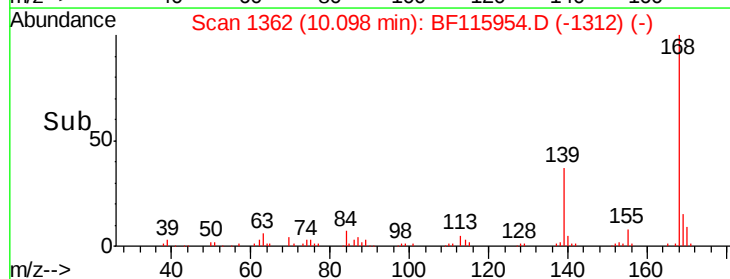
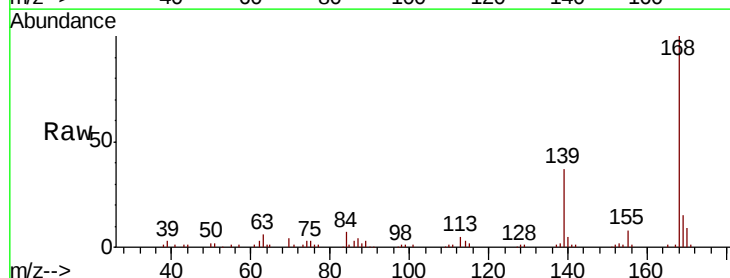
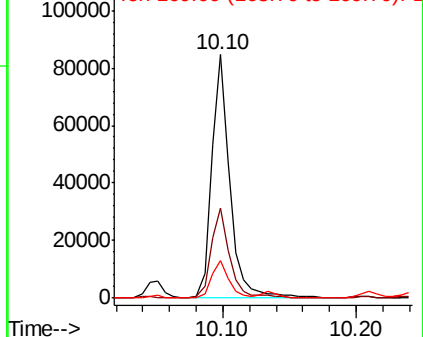
Delta R.T. -0.01 min

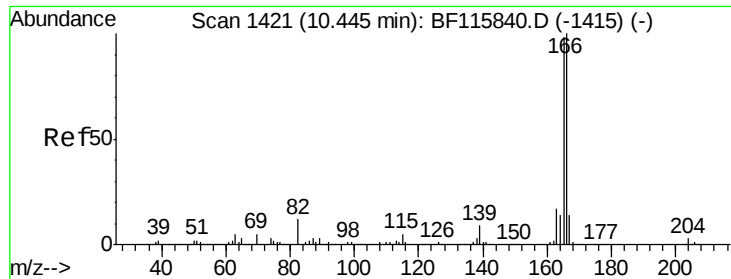
Lab File: BF115954.D

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Tgt Ion:	168	Resp:	80824
Ion Ratio	Lower	Upper	
168	100		
139	37.0	30.2	45.2
169	15.2	10.8	16.2

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





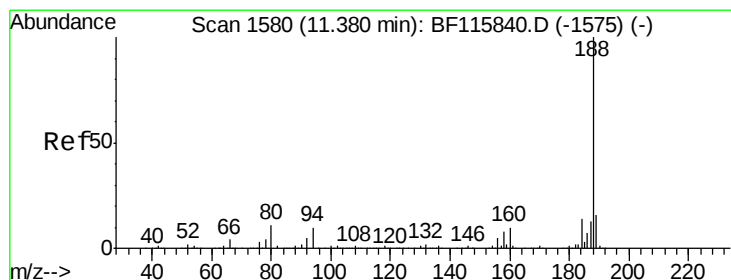
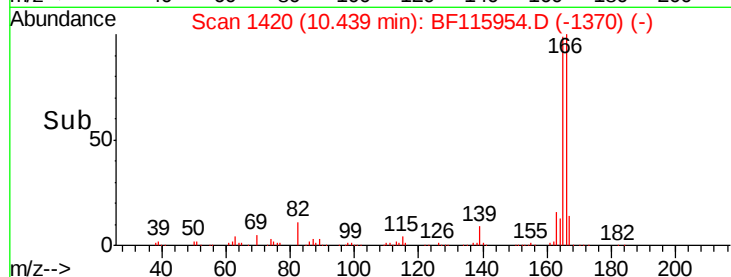
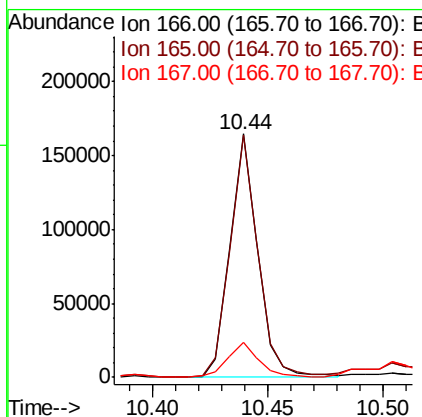
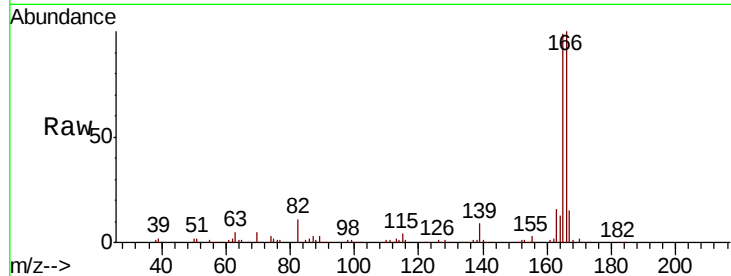
#58
 Fluorene
 Concen: 8.812 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF115954.D
 Acq: 2 Aug 2019 18:44

Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.6	118.0
167	14.6	10.9	16.3

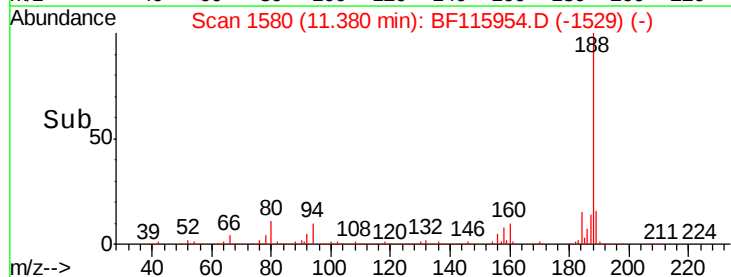
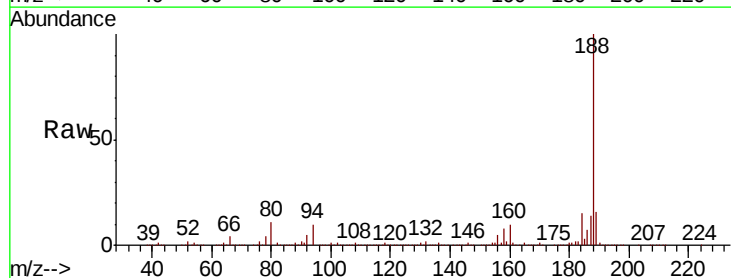
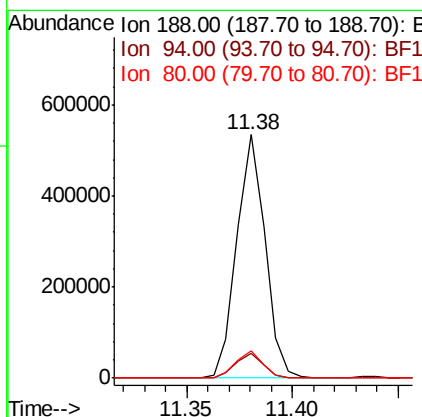
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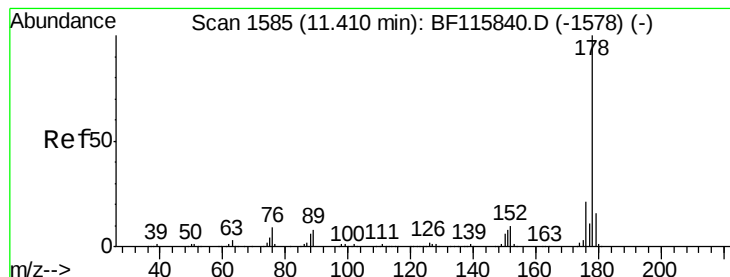
mohammad
 8/8/2019 4:44:25 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115954.D
 Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	11.0	8.6	12.8





#71

Phenanthrene

Concen: 67.693 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF115954.D

Acq: 2 Aug 2019 18:44

Instrument :

BNA_F

ClientSampleId :

1S-D1-D4-COMP-(0-1)

Tot Ion:178 Resp: 1716229

Ion Ratio Lower Upper

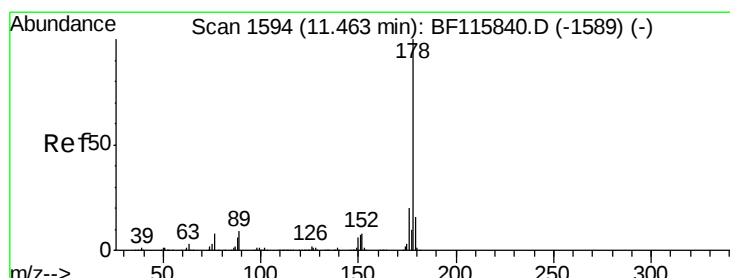
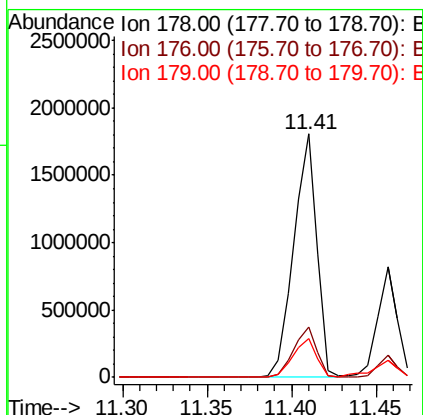
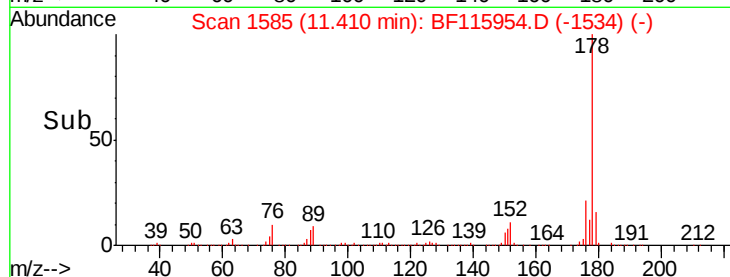
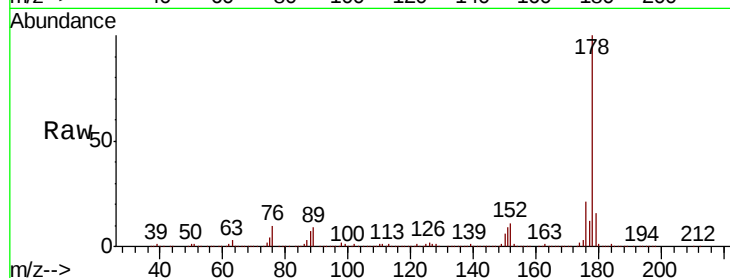
178 100

176 20.7 16.5 24.7

179 16.1 12.6 18.8

Manual Integrations
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#72

Anthracene

Concen: 25.268 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115954.D

Acq: 2 Aug 2019 18:44

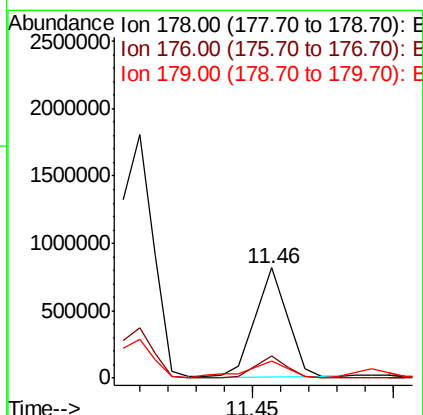
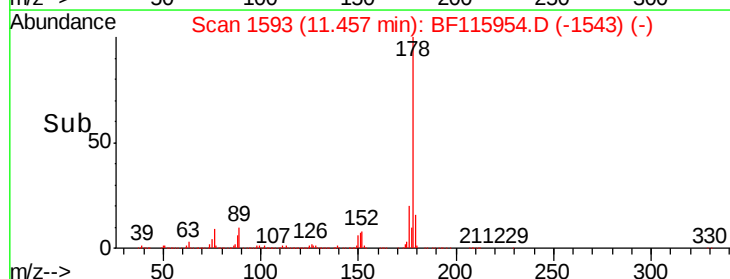
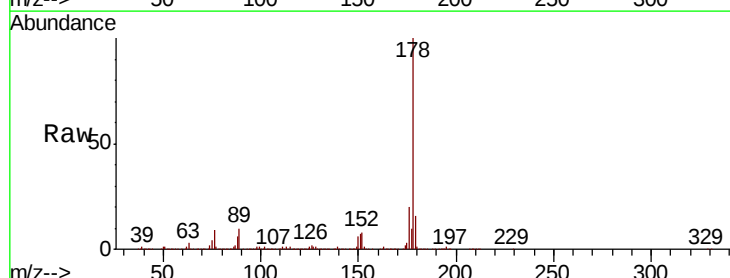
Tgt Ion:178 Resp: 648352

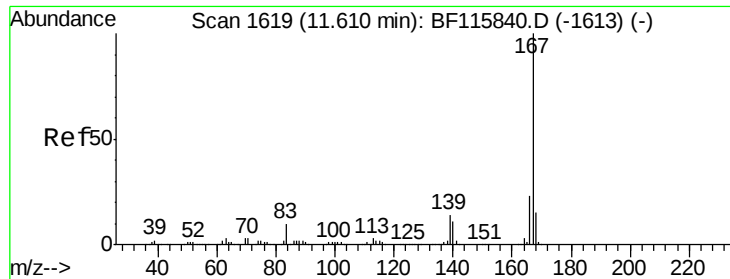
Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 16.0 12.4 18.6





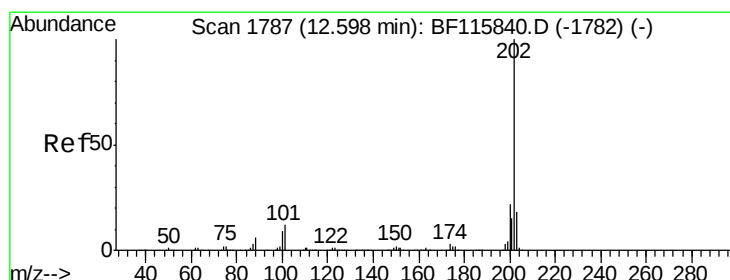
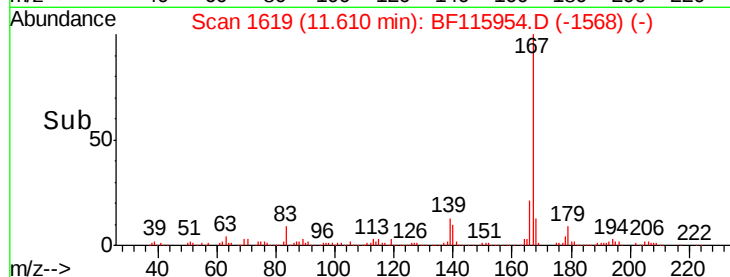
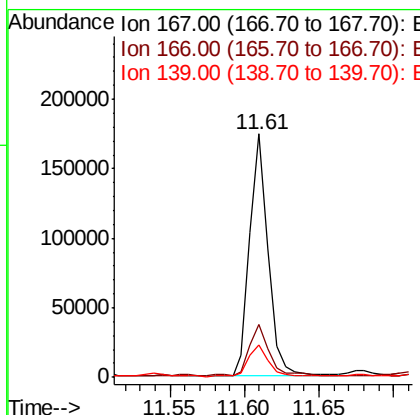
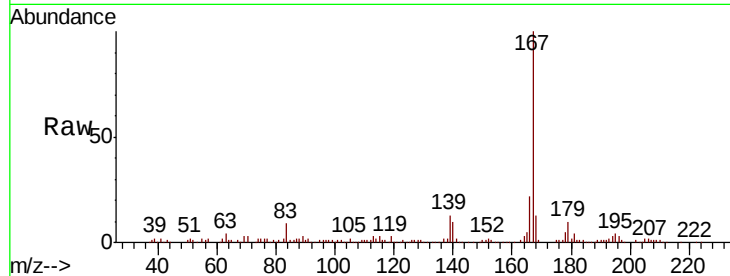
#73
 Carbazole
 Concen: 6.478 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115954.D
 Acq: 2 Aug 2019 18:44

Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.0	27.0
139	13.3	11.4	17.2

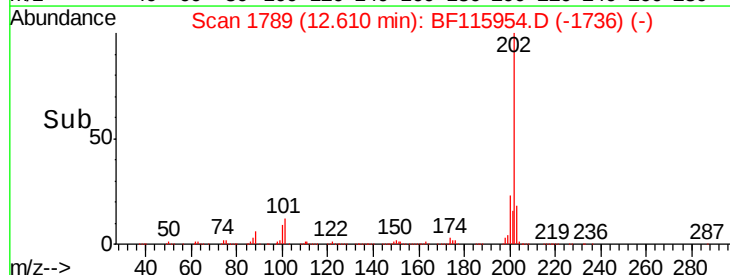
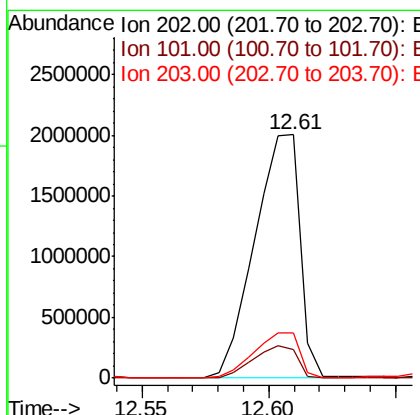
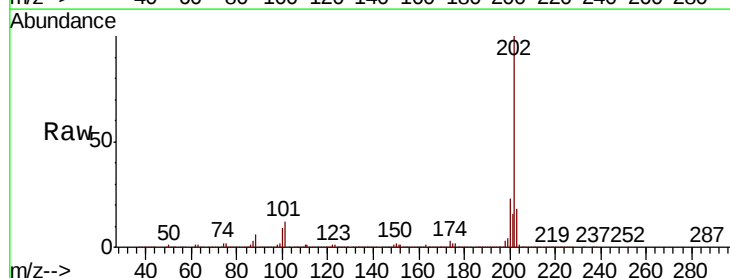
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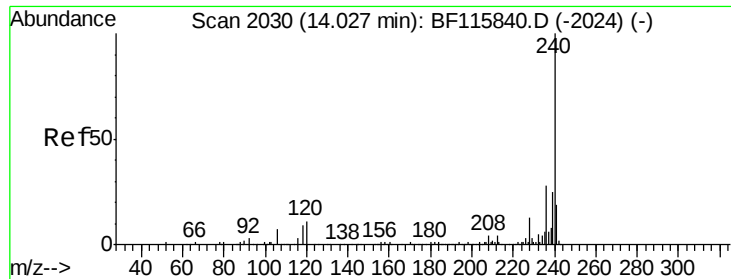
mohammad
 8/8/2019 4:44:25 PM



#75
 Fluoranthene
 Concen: 94.167 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. 0.01 min
 Lab File: BF115954.D
 Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.5
203	18.3	0.0	37.9





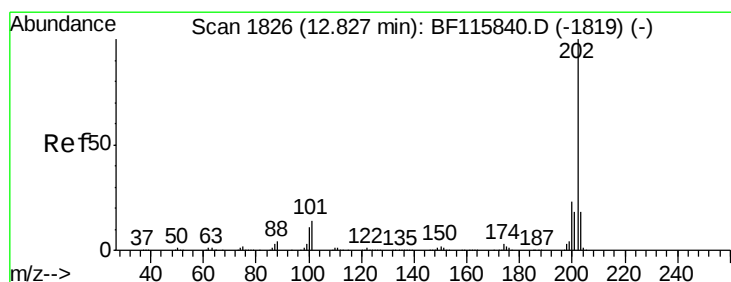
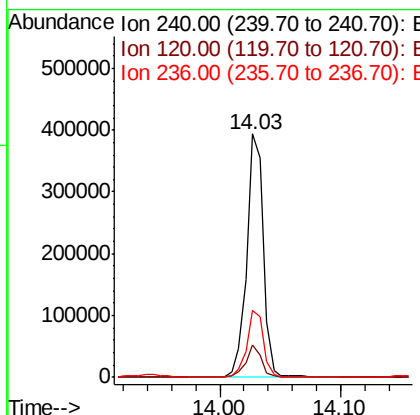
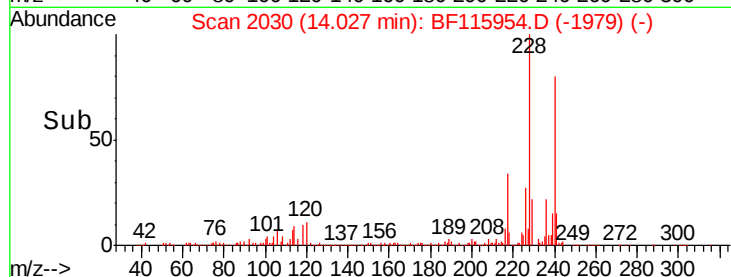
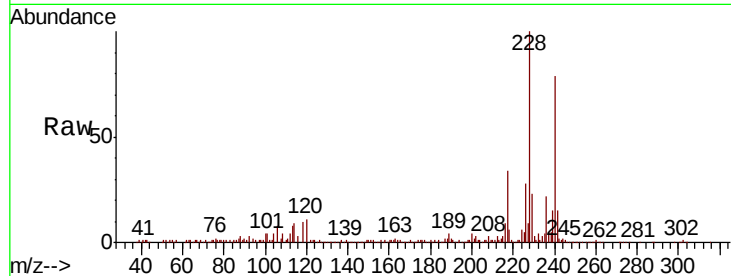
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.5	12.7#
236	27.3	22.2	33.2

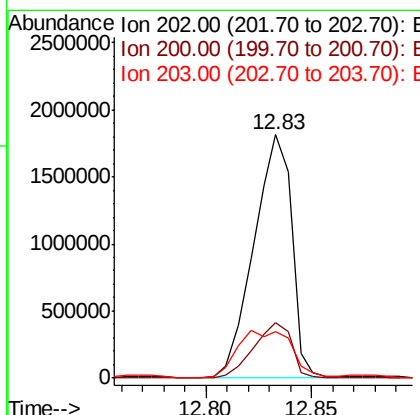
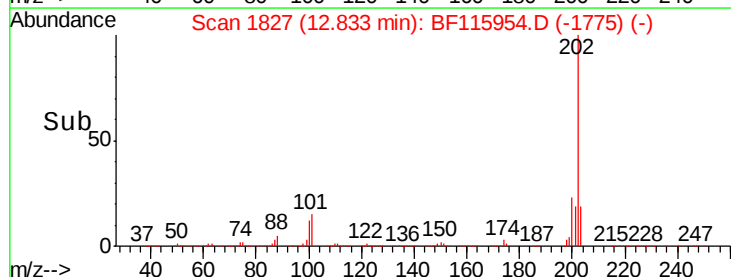
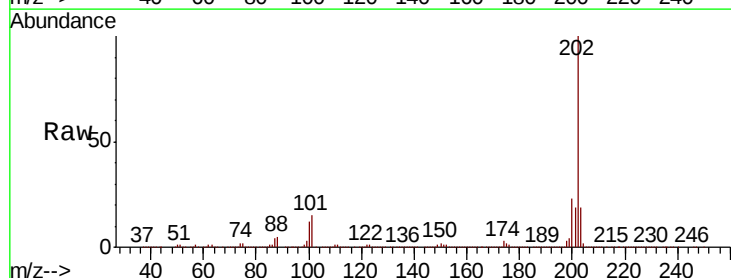
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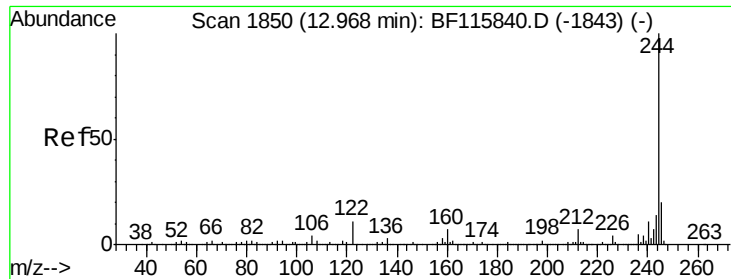
mohammad
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#78
Pyrene
Concen: 79.091 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.8	18.2	27.2
203	19.0	14.3	21.5





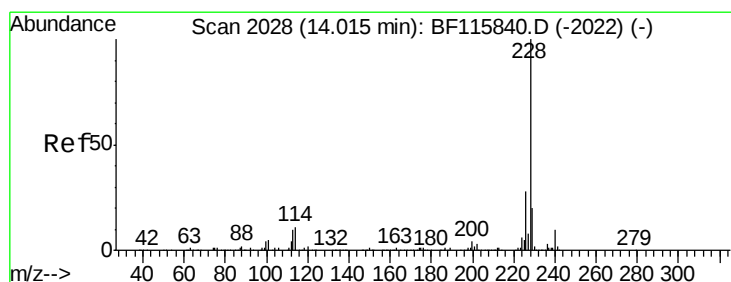
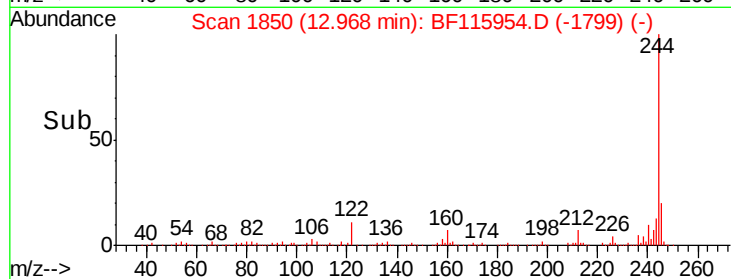
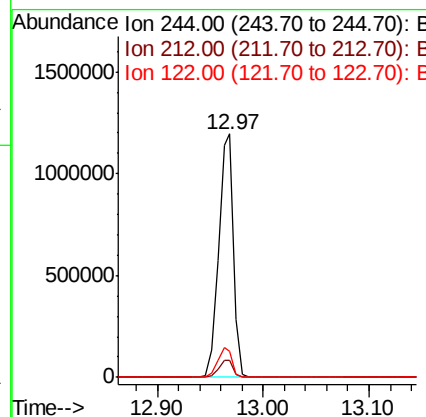
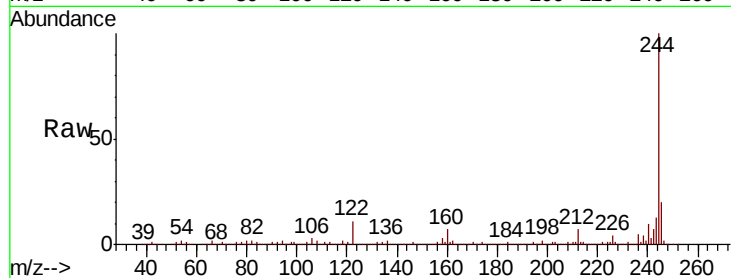
#79
 Terphenyl-d14
 Concen: 66.360 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115954.D
 Acq: 2 Aug 2019 18:44

Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.7	8.6	13.0

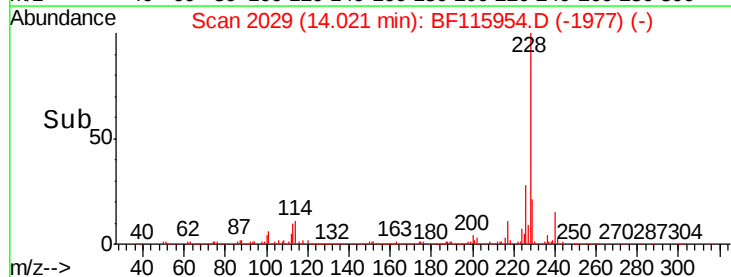
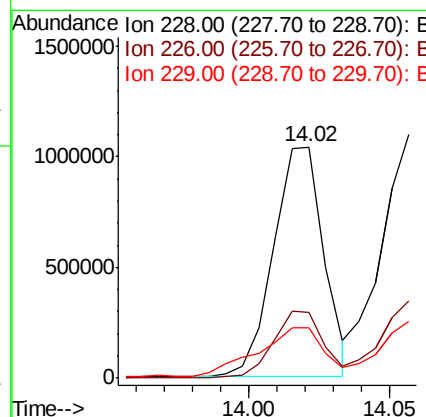
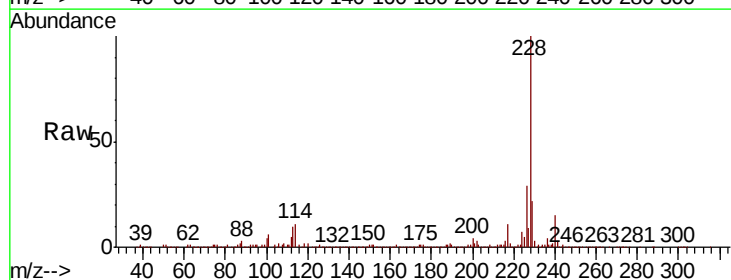
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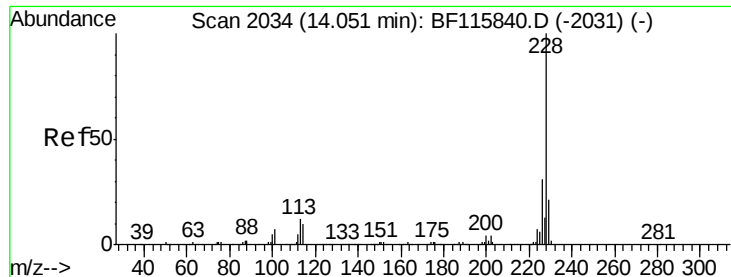
mohammad
 8/8/2019 4:44:25 PM



#81
 Benzo(a)anthracene
 Concen: 53.226 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF115954.D
 Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	21.8	16.1	24.1





#83

Chrysene

Concen: 46.792 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF115954.D

Acq: 2 Aug 2019 18:44

Instrument :

BNA_F

ClientSampleId :

1S-D1-D4-COMP-(0-1)

Tot Ion:228 Resp: 1097789

Ion Ratio Lower Upper

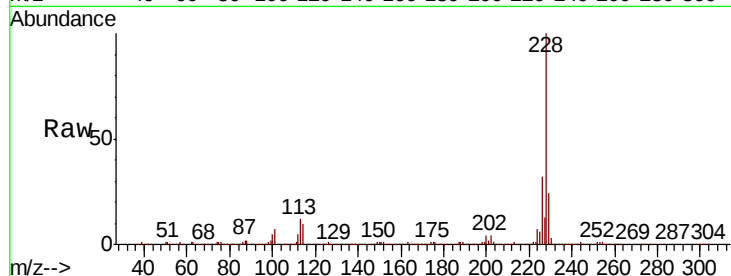
228 100

226 31.8 24.8 37.2

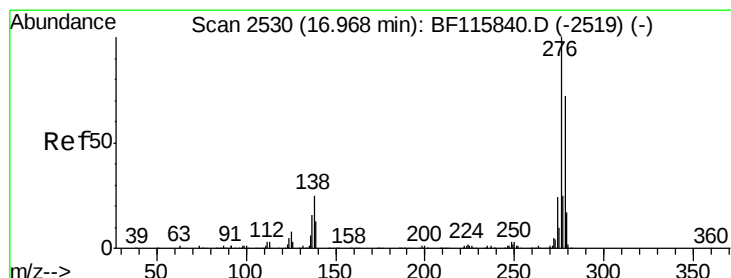
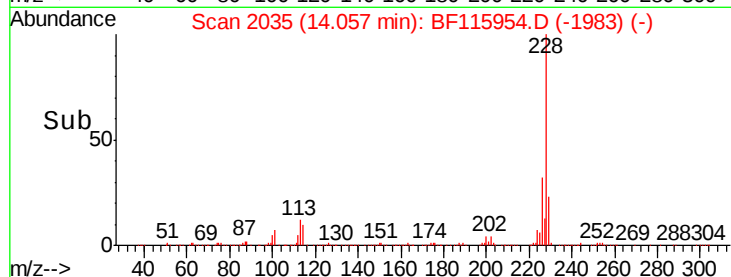
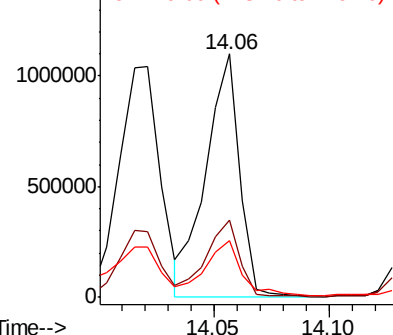
229 23.6 16.4 24.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 25.266 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF115954.D

Acq: 2 Aug 2019 18:44

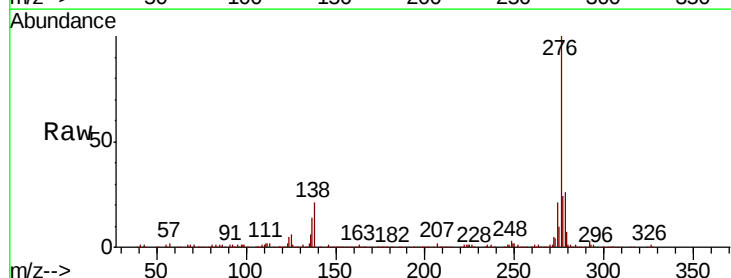
Tgt Ion:276 Resp: 497857

Ion Ratio Lower Upper

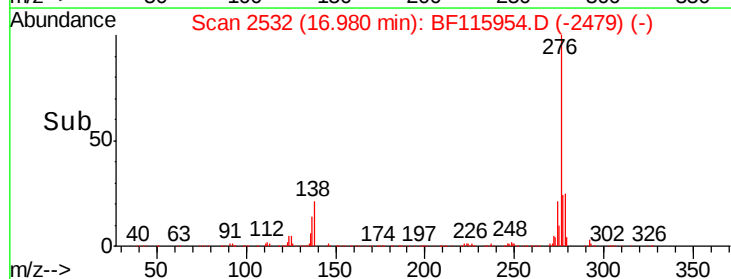
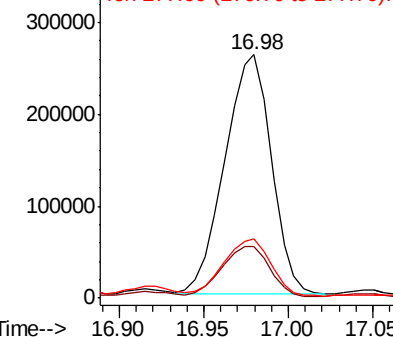
276 100

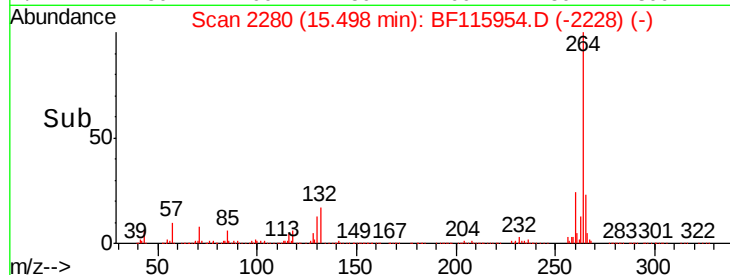
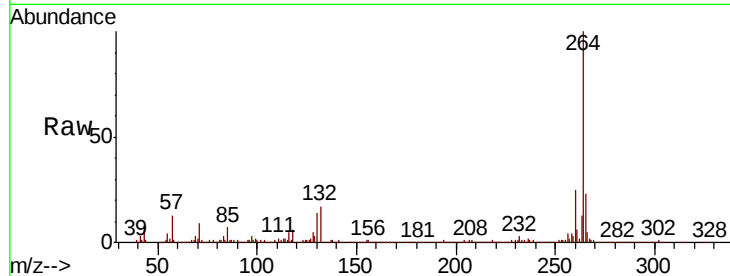
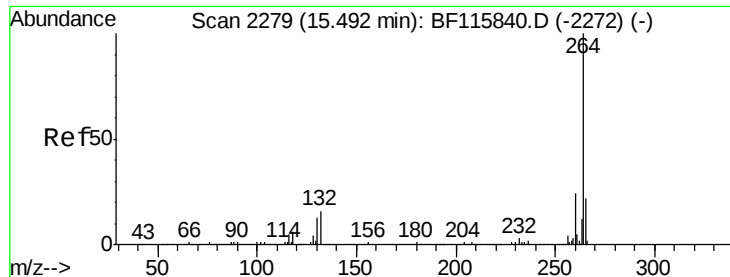
138 21.7 19.6 29.4

277 24.3 20.1 30.1



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





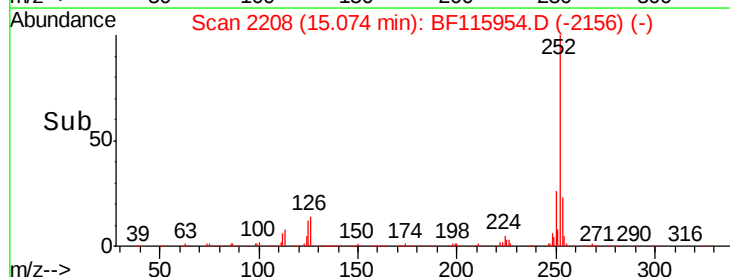
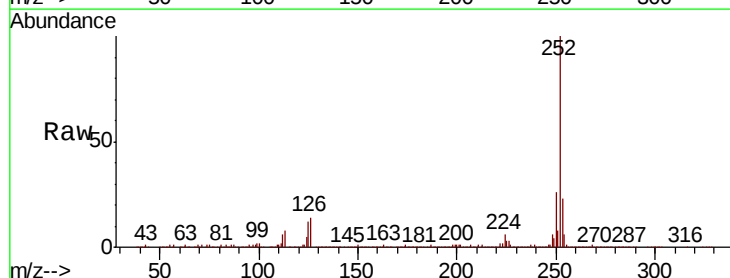
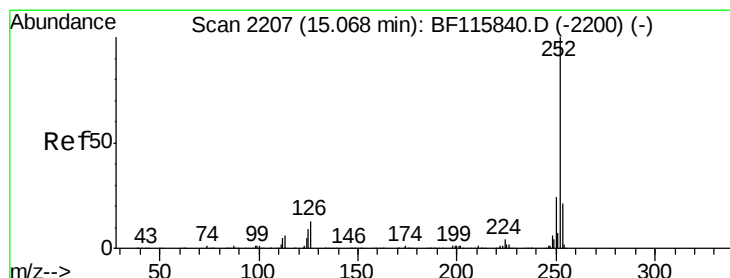
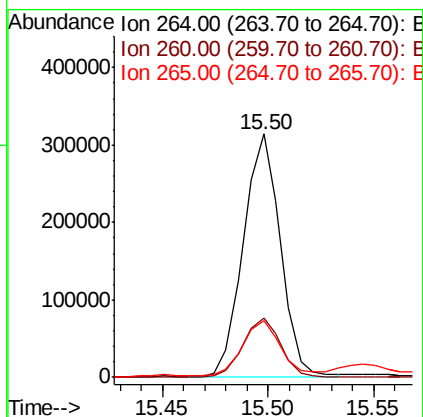
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.6	19.4	29.2	
265	23.1	17.5	26.3	

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(0-1)

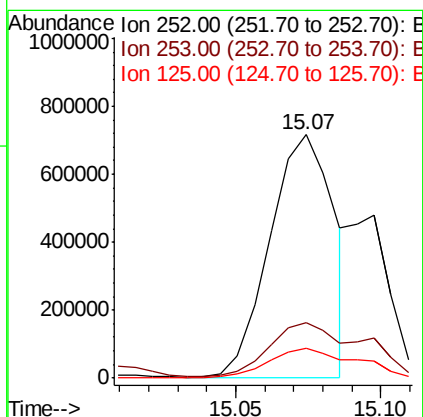
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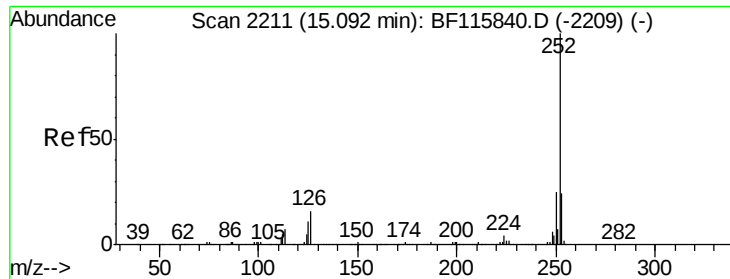
mohammad
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#88
Benzo(b)fluoranthene
Concen: 50.360 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.0	17.2	25.8	
125	12.1	7.4	11.0	





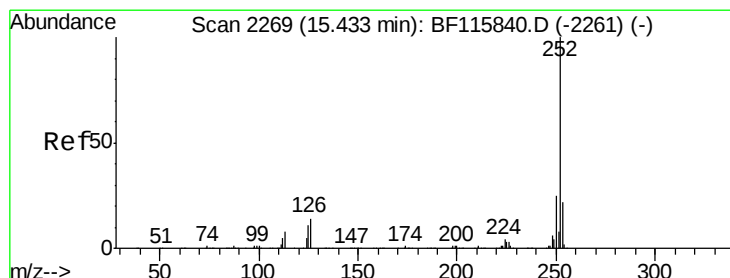
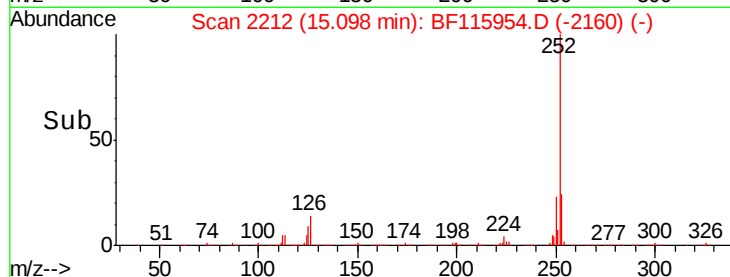
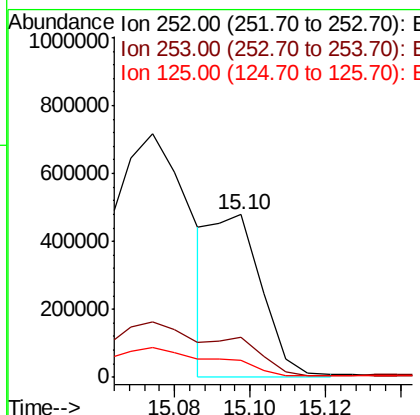
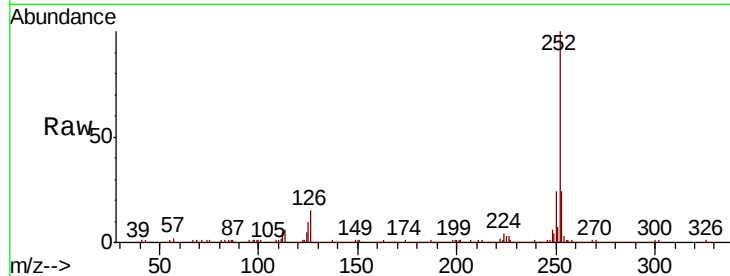
#89
Benzo(k)fluoranthene
Concen: 20.541 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	10.2	8.9	13.3

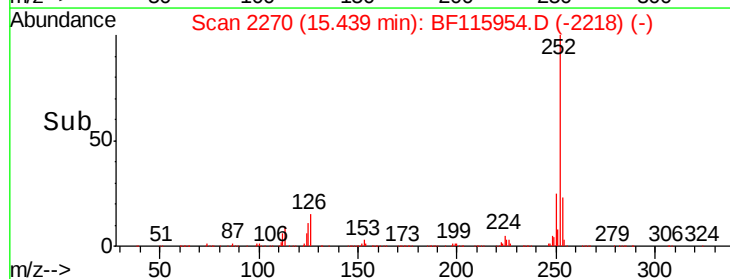
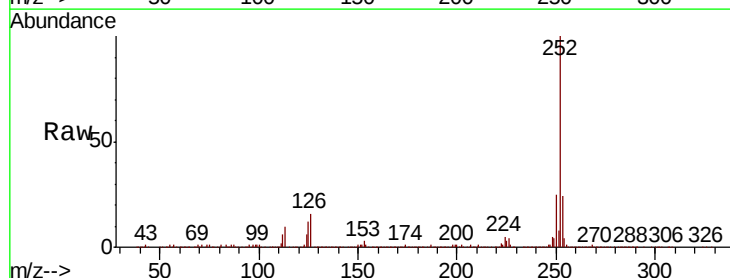
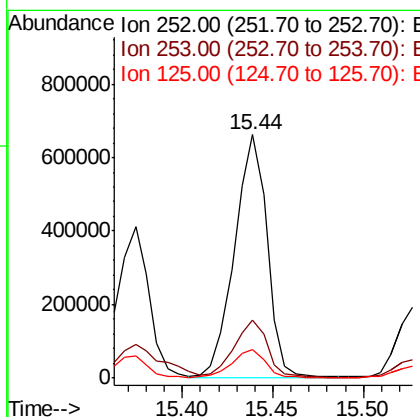
Manual Integrations
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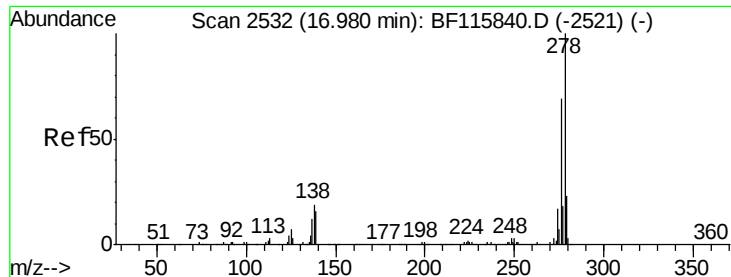
mohammad
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#90
Benzo(a)pyrene
Concen: 41.799 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.0	8.8	13.2





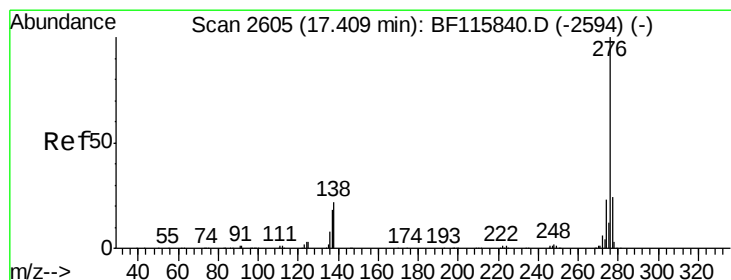
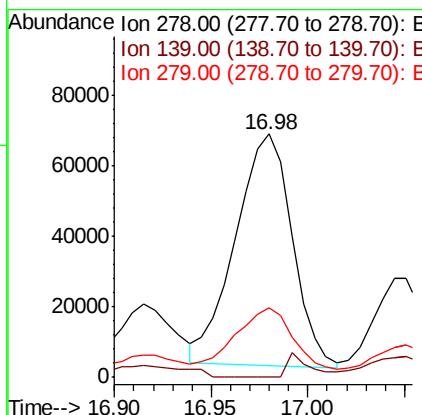
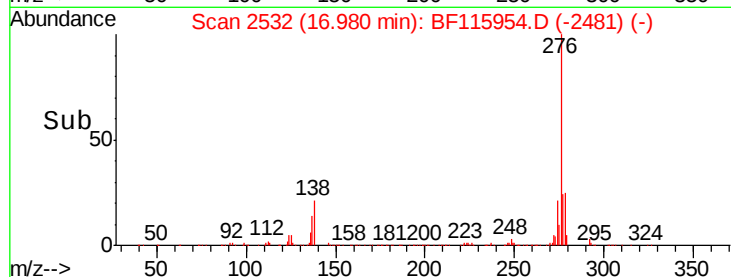
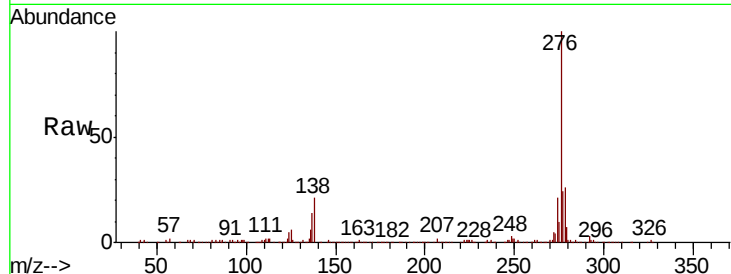
#91
Dibenzo(a,h)anthracene
Concen: 7.817 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.00 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	28.4	18.8	28.2#

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:25 PM



#92
Benzo(g,h,i)perylene
Concen: 27.208 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.02 min
Lab File: BF115954.D
Acq: 2 Aug 2019 18:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.5	29.3
138	21.8	17.8	26.8

