

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
 Data File : BF116342.D
 Acq On : 17 Aug 2019 2:34
 Operator : HP/JU
 Sample : K4228-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 8/20/2019 8:37:25 AM

Quant Time: Aug 19 02:12:50 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	141032	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	538656	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	267380	20.00	ng	-0.04
64) Phenanthrene-d10	11.33	188	409167	20.00	ng	-0.04
76) Chrysene-d12	13.98	240	255065	20.00	ng	-0.03
87) Perylene-d12	15.43	264	304690	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	817593	97.05	ng	-0.02
7) Phenol-d6	6.46	99	1084596	102.04	ng	-0.02
23) Nitrobenzene-d5	7.38	82	685320	73.44	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	226928	87.54	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1095409	76.74	ng	-0.04
79) Terphenyl-d14	12.92	244	892112	73.70	ng	-0.04
Target Compounds						
10) Phenol	6.47	94	49631	3.965	ng	90
50) Dimethylphthalate	9.56	163	110242	6.055	ng	100
52) Acenaphthene	9.88	154	59445	4.227	ng	98
58) Fluorene	10.40	166	56372	3.583	ng	98
71) Phenanthrene	11.36	178	780589	37.318	ng	99
72) Anthracene	11.41	178	236428	11.168	ng	99
73) Carbazole	11.57	167	66604	3.468	ng	98
75) Fluoranthene	12.55	202	1019753	46.567	ng	97
78) Pyrene	12.78	202	875082	45.513	ng	99
81) Benzo(a)anthracene	13.97	228	477767	29.306	ng	99
83) Chrysene	14.00	228	364012	22.999	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	207310	15.595	ng	96
88) Benzo(b)fluoranthene	15.02	252	505606m	28.699	ng	
89) Benzo(k)fluoranthene	15.04	252	156048m	9.094	ng	
90) Benzo(a)pyrene	15.37	252	371968	23.619	ng	98
91) Dibenzo(a,h)anthracene	16.90	278	54178m	3.974	ng	
92) Benzo(g,h,i)perylene	17.34	276	179626	13.417	ng	94

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

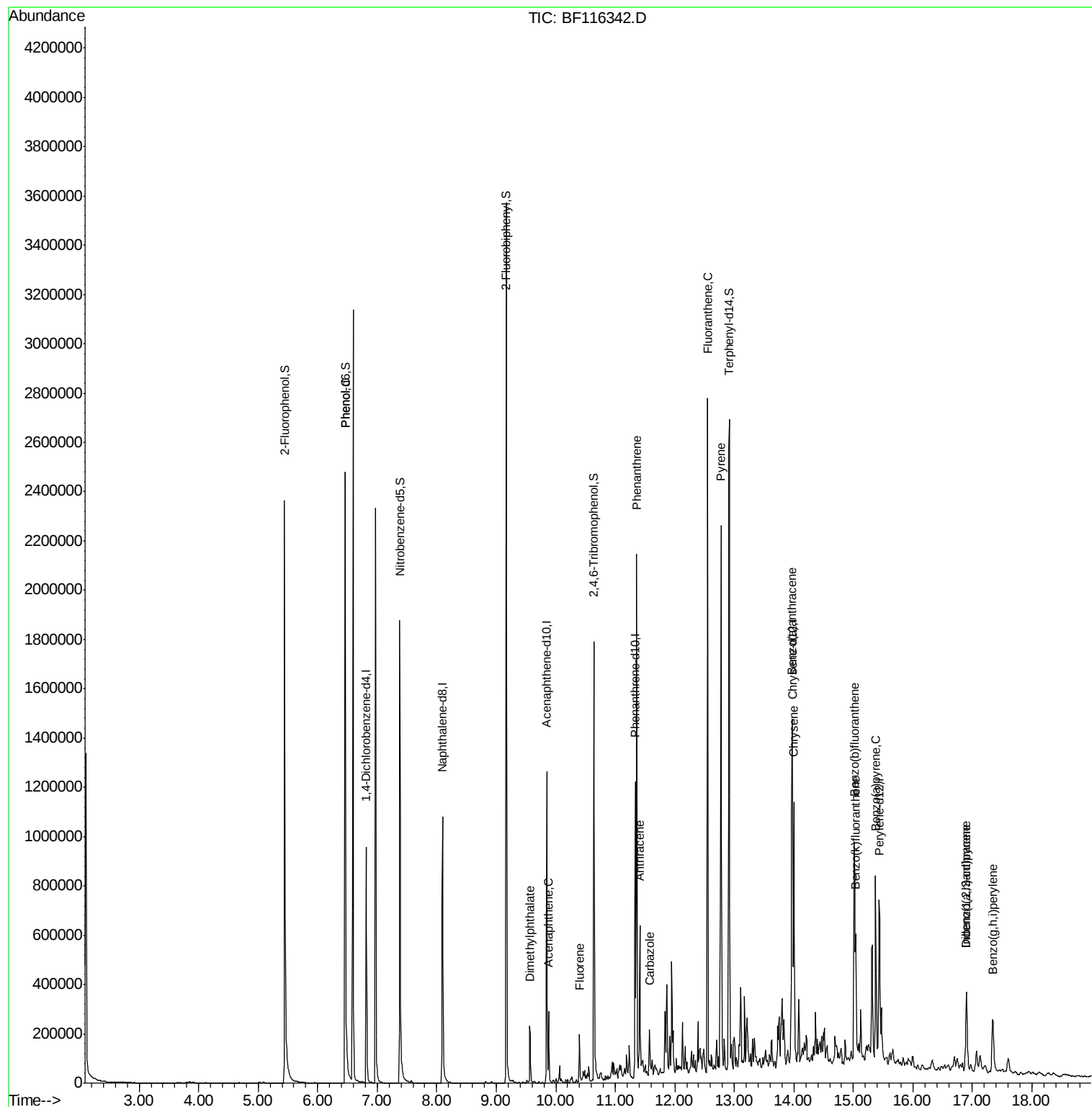
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116342.D
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ALS Vial : 19 Sample Multiplier: 1

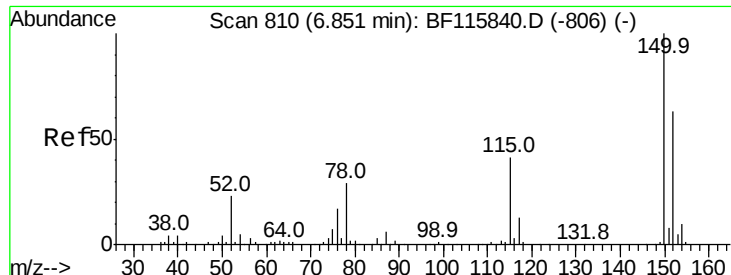
Instrument :
BNA_F
ClientSampleId :
2S-11-14-COMP-(1)

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Quant Time: Aug 19 02:12:50 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





#1

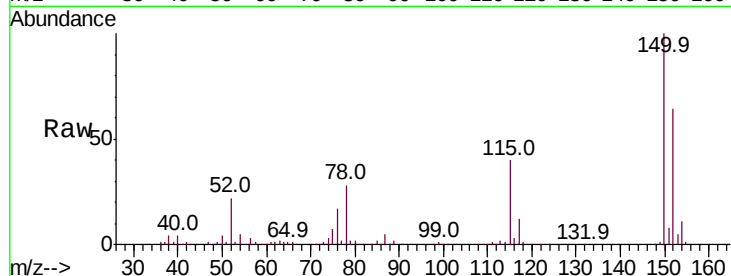
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	61.9	49.9	74.9

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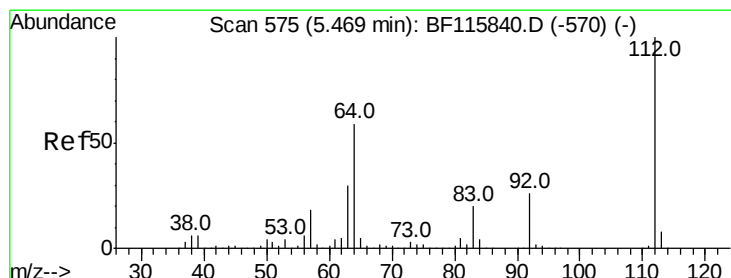
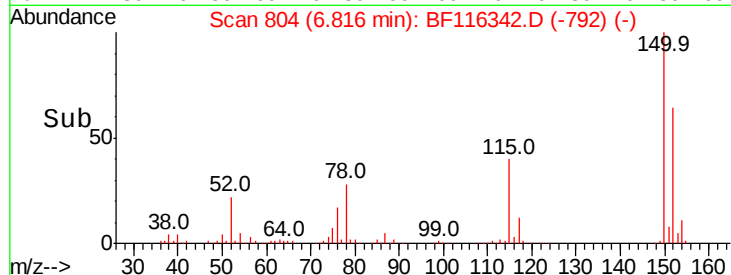
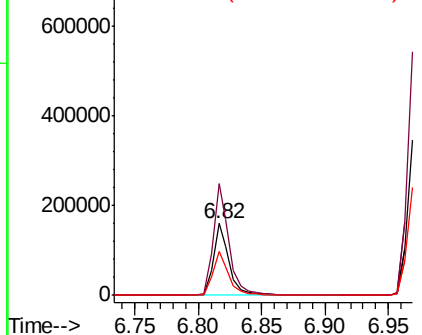


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

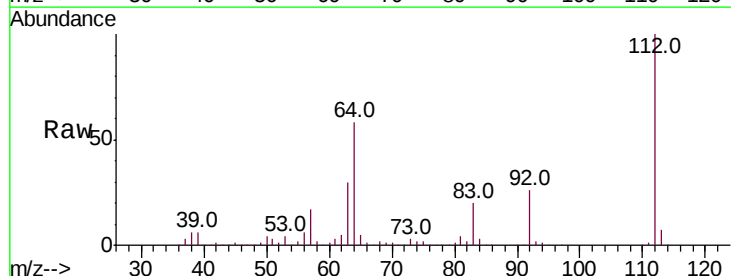
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.049 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.02 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	45.4	68.2
63	29.9	23.7	35.5

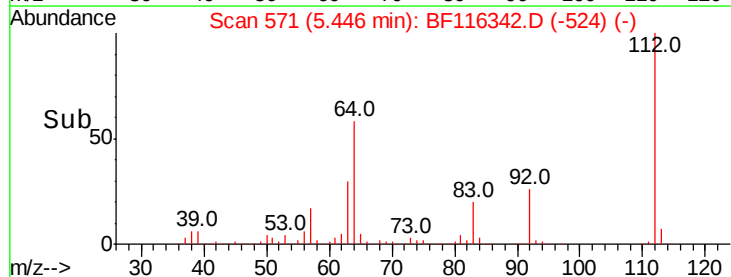
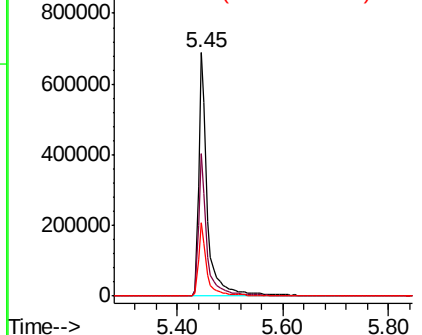


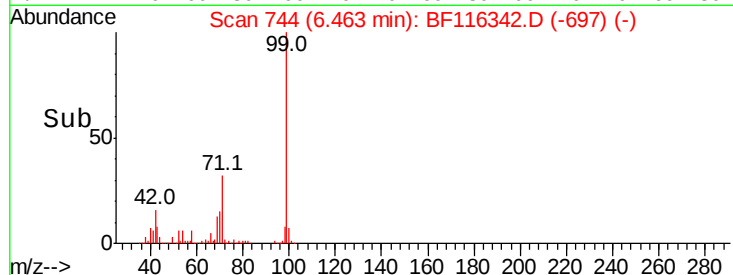
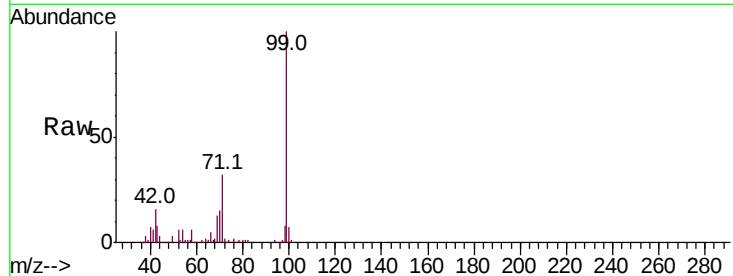
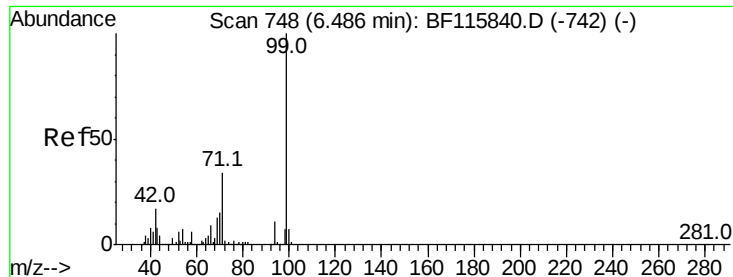
Abundance

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: 102.041 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

Tot Ion: 99 Resp: 1084596

Ion Ratio Lower Upper

99 100

42 16.0 13.8 20.8

71 32.4 27.3 40.9

Instrument :

BNA_F

ClientSampleId :

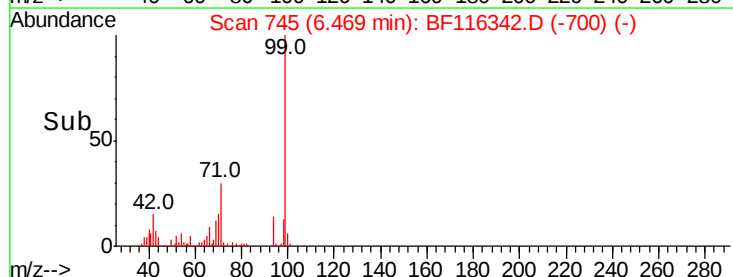
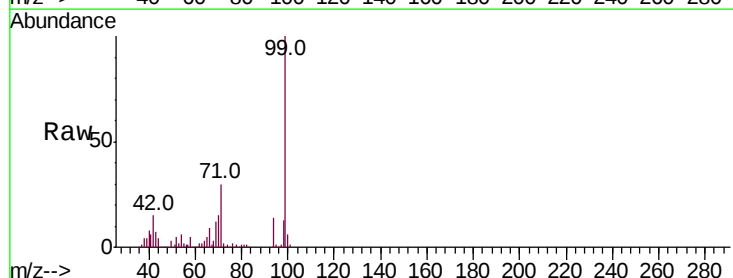
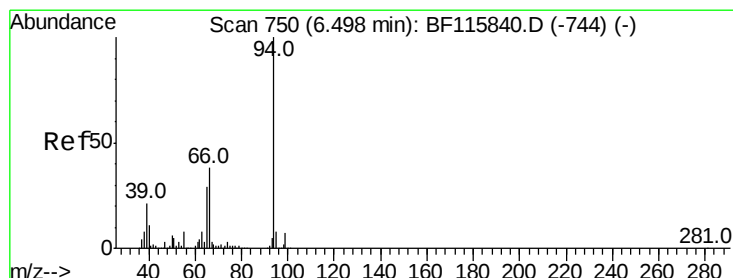
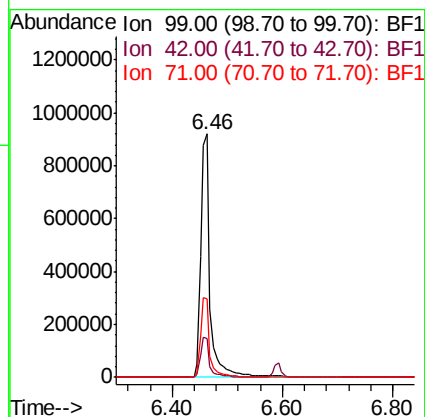
2S-I1-I4-COMP-(1)

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#10

Phenol

Concen: 3.965 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.04 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

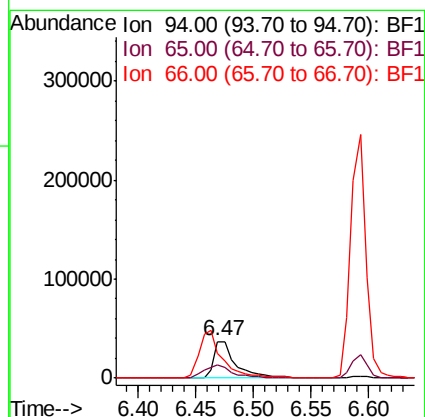
Tgt Ion: 94 Resp: 49631

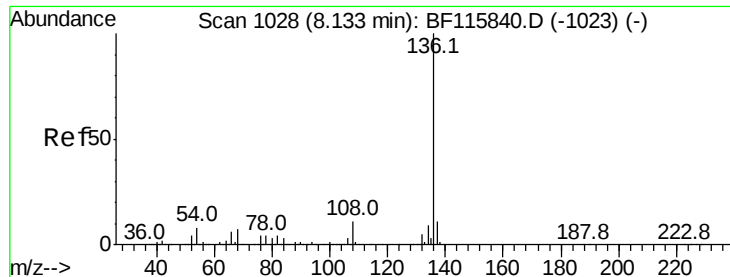
Ion Ratio Lower Upper

94 100

65 35.6 16.8 56.8

66 65.6 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: BF116342.D

Acq: 17 Aug 2019 2:34

Instrument :

BNA_F

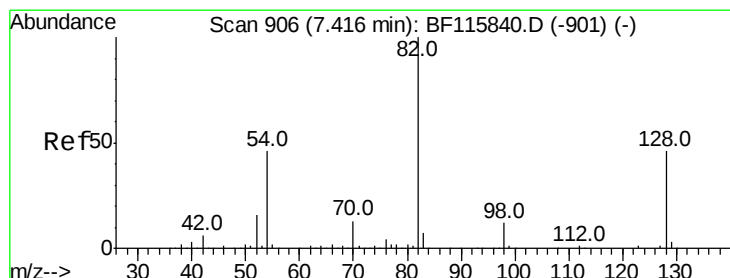
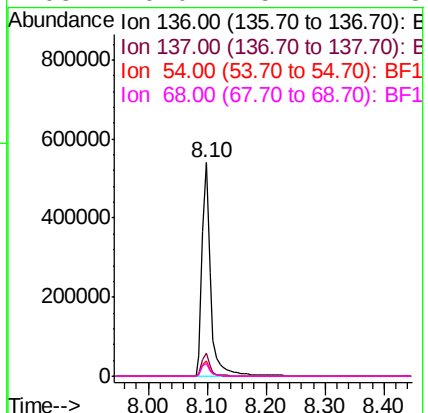
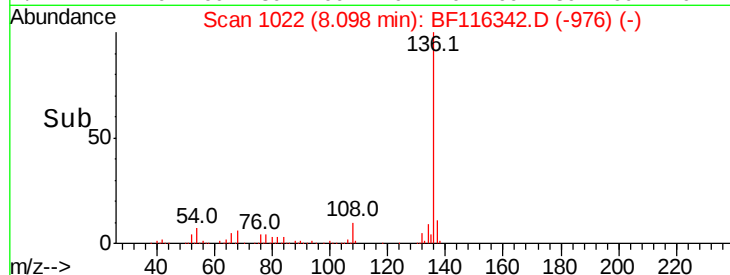
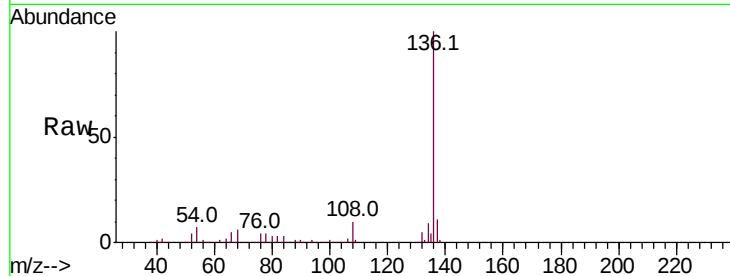
ClientSampleId :

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

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.9	5.8	8.6
68	6.0	5.2	7.8

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#23

Nitrobenzene-d5

Concen: 73.440 ng

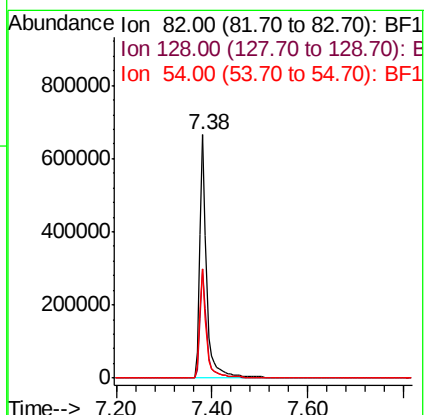
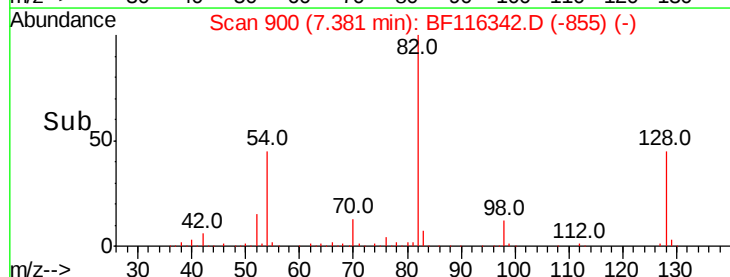
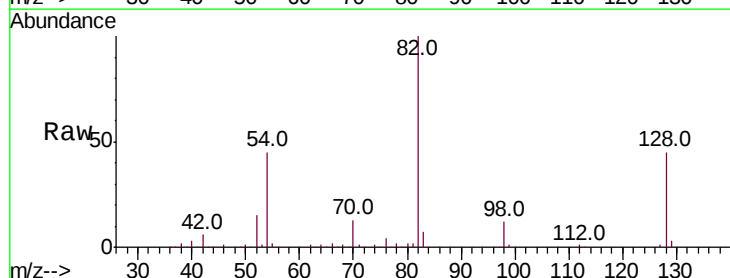
RT: 7.38 min Scan# 900

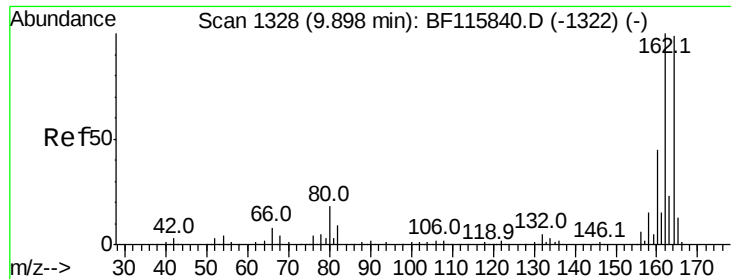
Delta R.T. -0.04 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.1	36.5	54.7
54	45.0	36.0	54.0





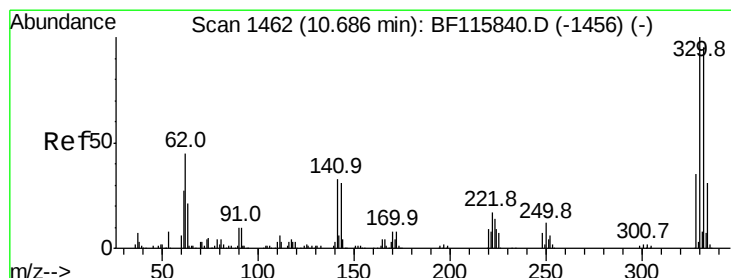
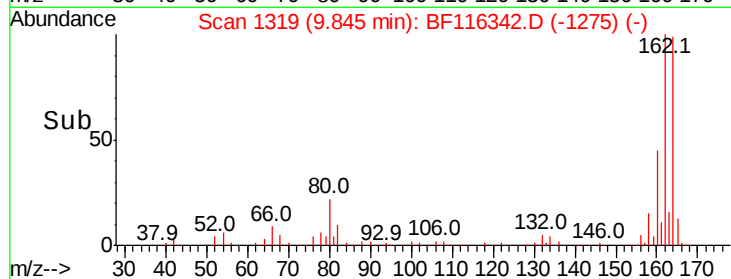
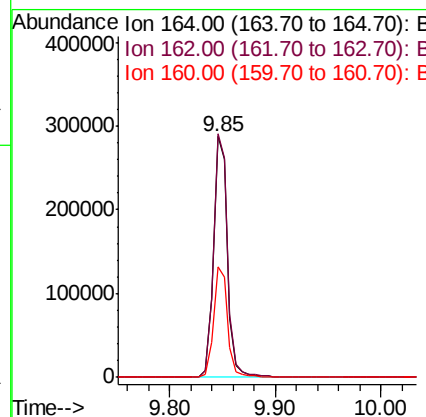
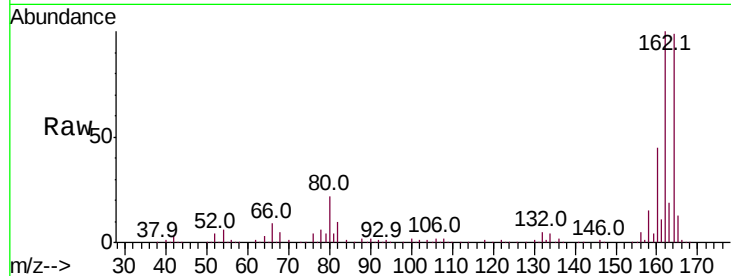
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.04 min
 Lab File: BF116342.D
 Acq: 17 Aug 2019 2:34

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100	267380		
162	101.2	82.6	124.0	
160	45.9	37.6	56.4	

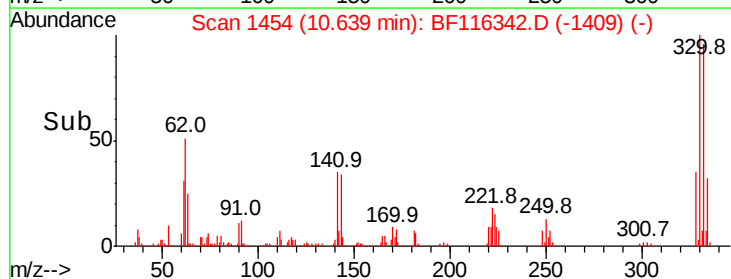
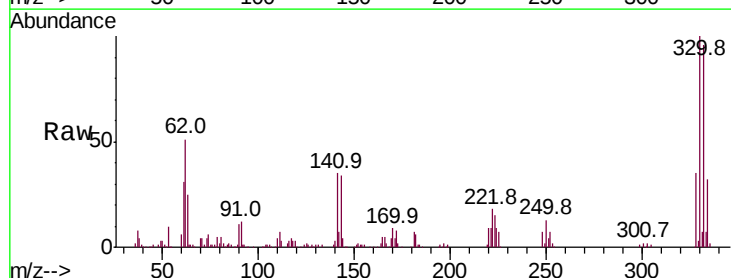
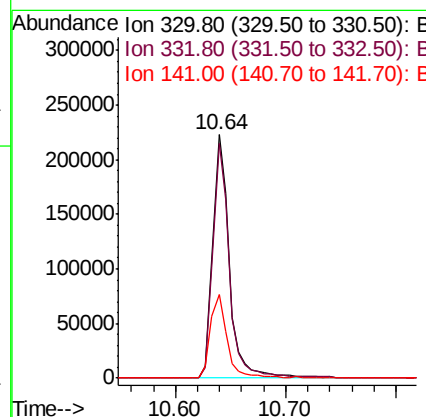
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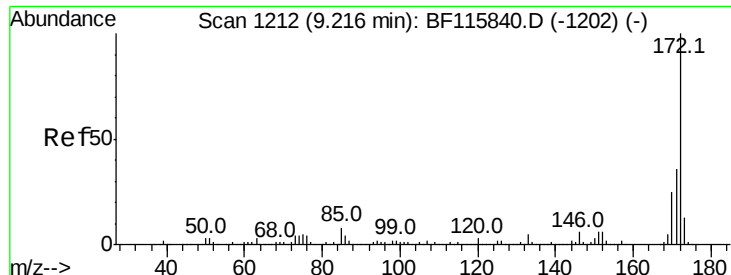
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#42
 2,4,6-Tribromophenol
 Concen: 87.538 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF116342.D
 Acq: 17 Aug 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	226928		
332	97.1	76.8	115.2	
141	34.9	26.3	39.5	





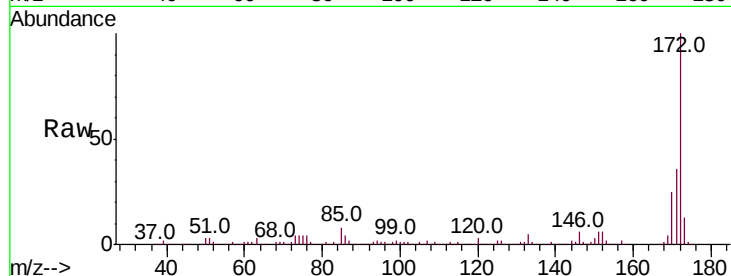
#45
 2-Fluorobiphenyl
 Concen: 76.737 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116342.D
 Acq: 17 Aug 2019 2:34

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	25.0	20.1	30.1

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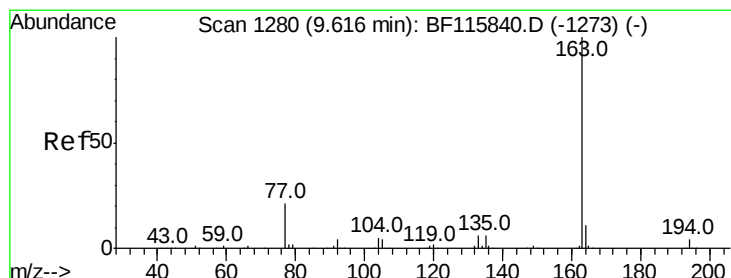
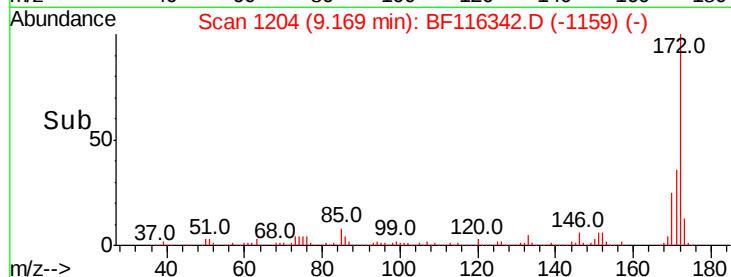
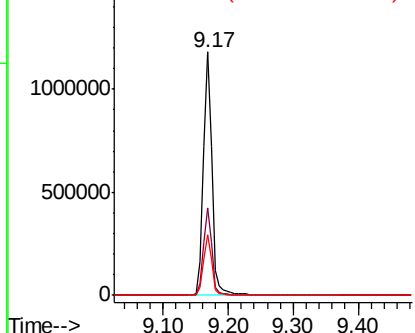


Abundance

Ion 172.00 (171.70 to 172.70): E

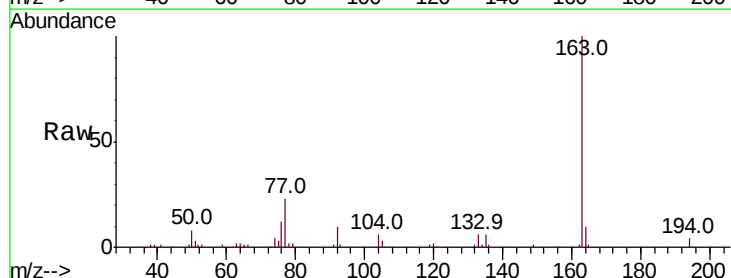
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 Dimethylphthalate
 Concen: 6.055 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.04 min
 Lab File: BF116342.D
 Acq: 17 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.3	8.4	12.6

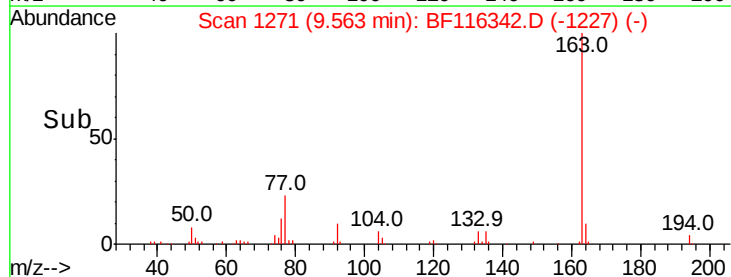
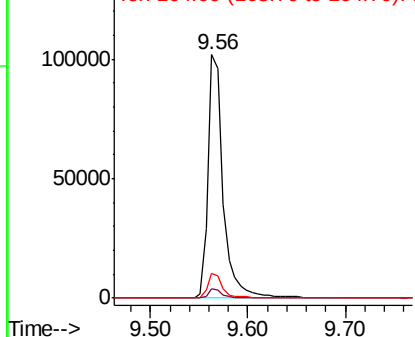


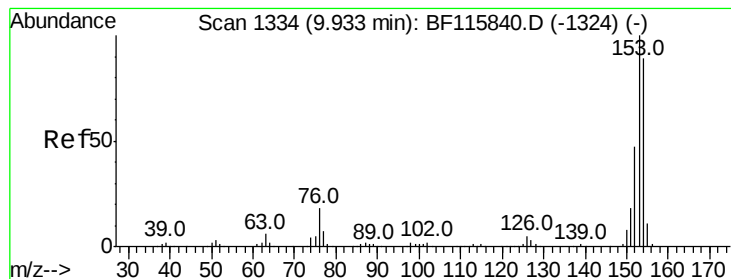
Abundance

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: 4.227 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.04 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

Instrument :

BNA_F

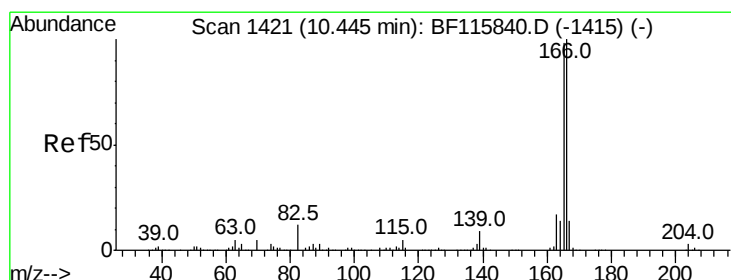
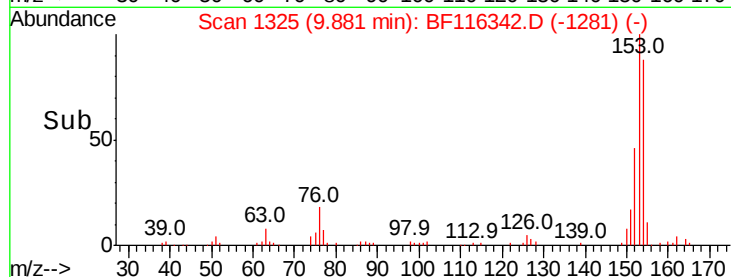
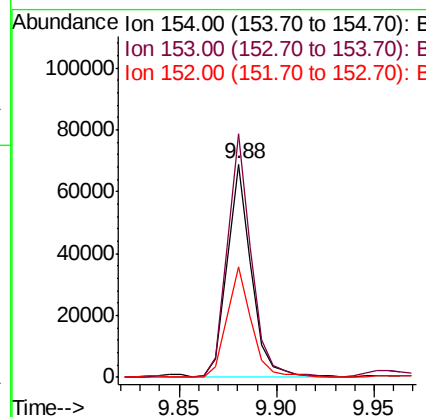
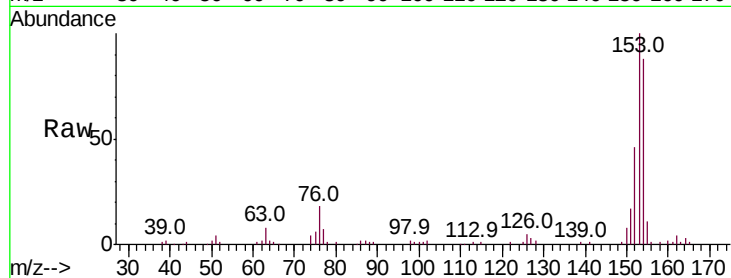
ClientSampleId :

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

Tot Ion:	154	Resp:	59445
Ion Ratio	Lower	Upper	
154	100		
153	114.3	89.4	134.0
152	52.1	42.3	63.5

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#58

Fluorene

Concen: 3.583 ng

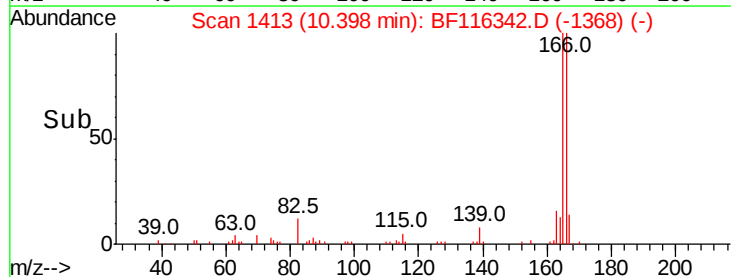
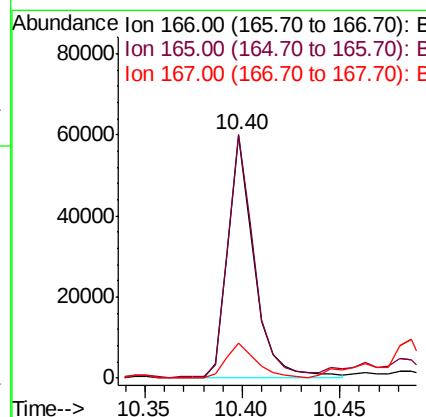
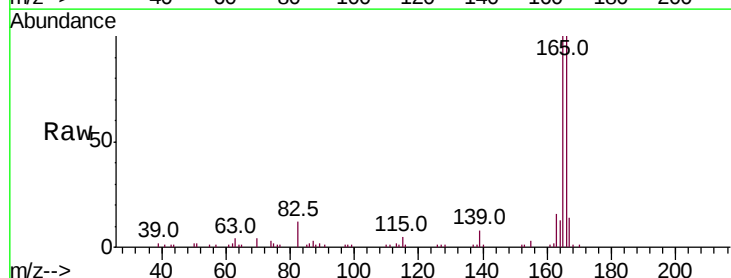
RT: 10.40 min Scan# 1413

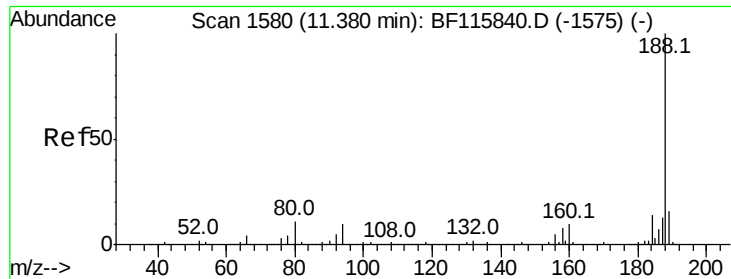
Delta R.T. -0.04 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

Tgt Ion:	166	Resp:	56372
Ion Ratio	Lower	Upper	
166	100		
165	100.3	78.4	117.6
167	14.2	11.0	16.4





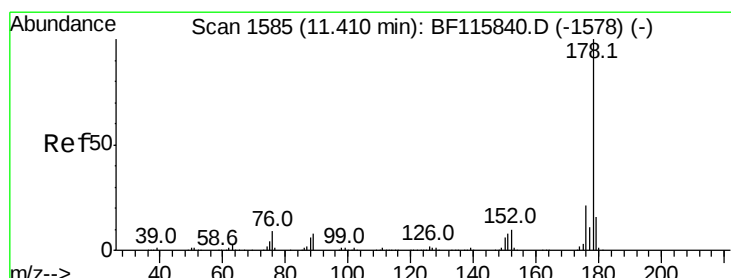
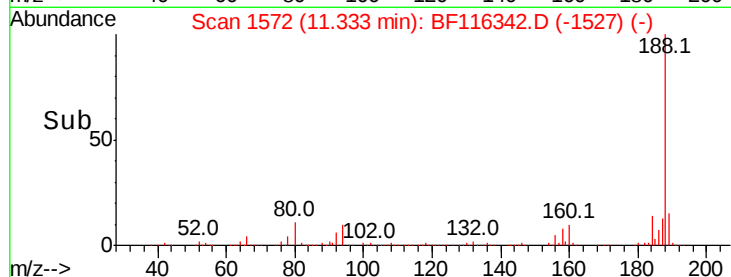
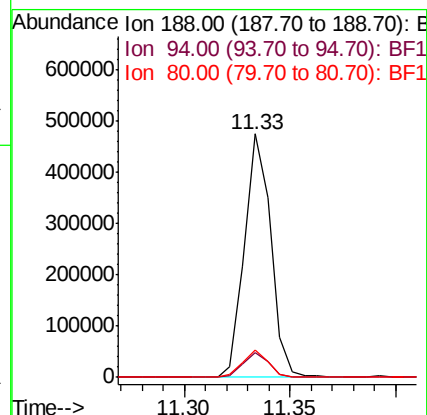
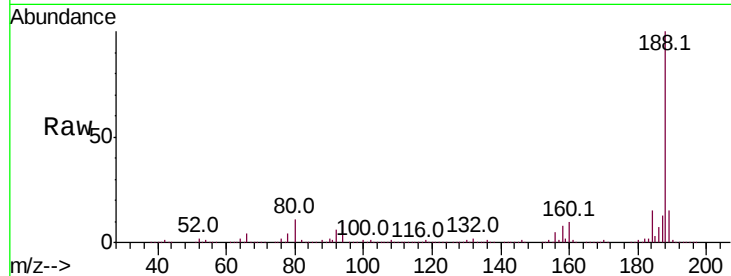
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.04 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.1	8.7	13.1

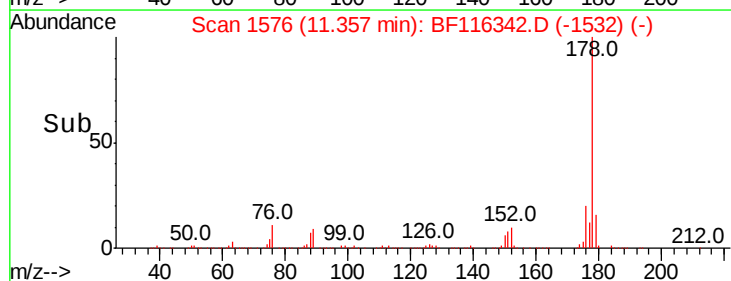
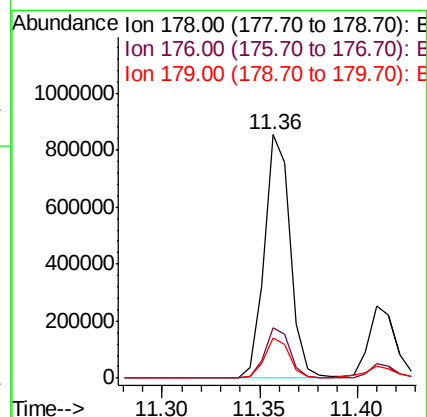
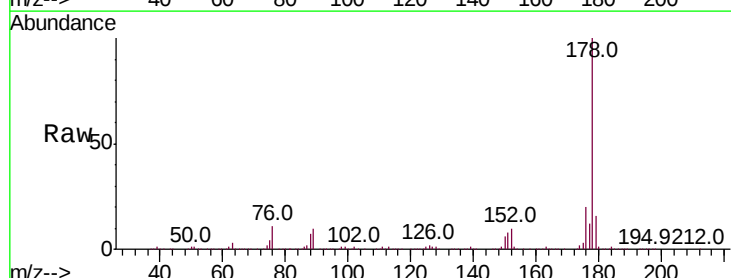
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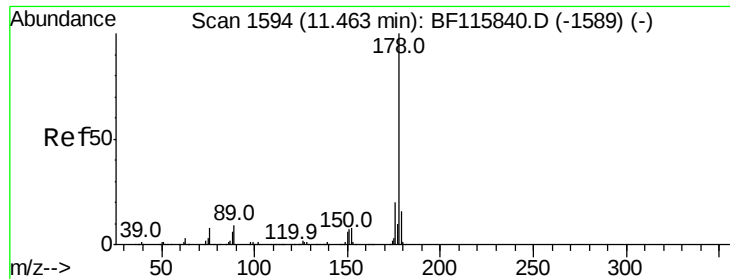
mohammad
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#71
Phenanthrene
Concen: 37.318 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.04 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.5	16.6	24.8
179	16.3	12.5	18.7





#72

Anthracene

Concen: 11.168 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.04 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

Instrument :

BNA_F

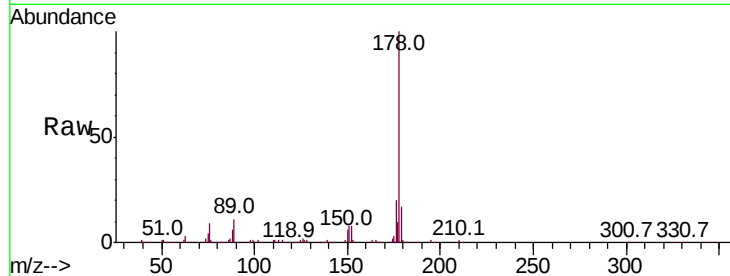
ClientSampleId :

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

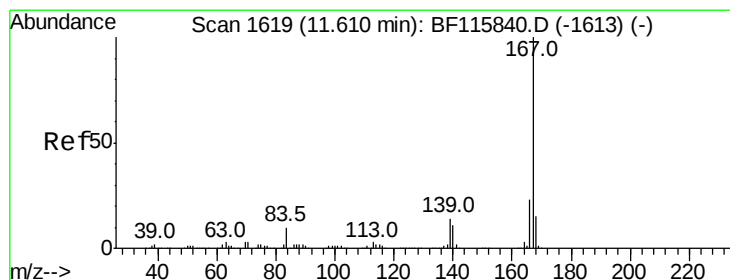
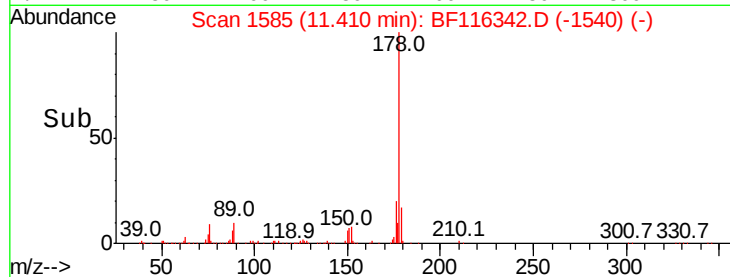
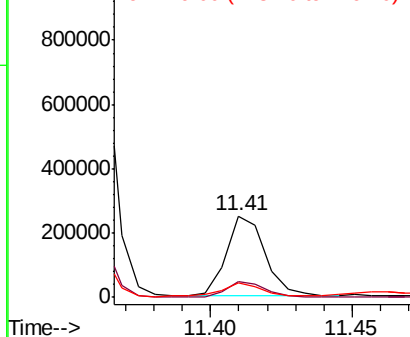
Tot Ion:	178	Resp:	236428
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.7	23.5
179	17.1	13.0	19.6

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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



#73

Carbazole

Concen: 3.468 ng

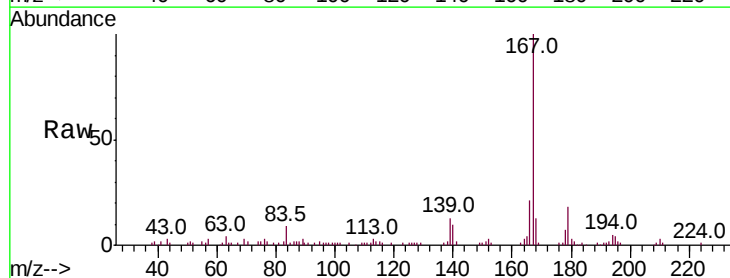
RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

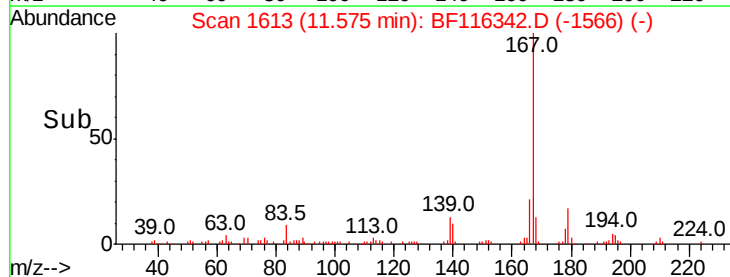
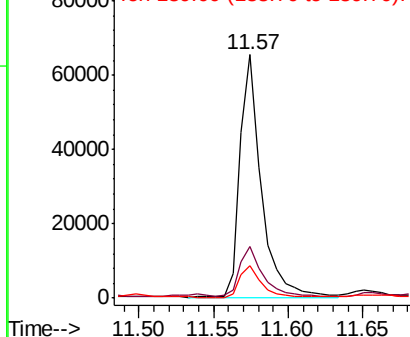
Lab File: BF116342.D

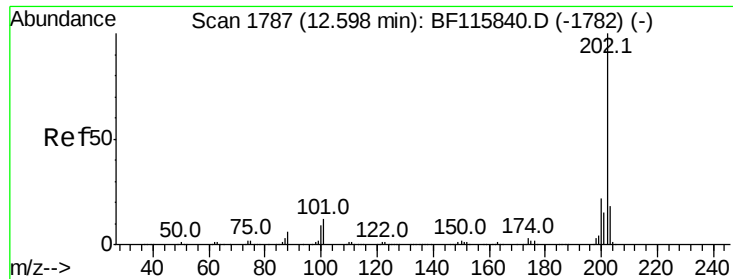
Acq: 17 Aug 2019 2:34

Tgt Ion:	167	Resp:	66604
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.8	26.6
139	13.1	11.4	17.0



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: 46.567 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.04 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:202 Resp: 1019753

Ion Ratio Lower Upper

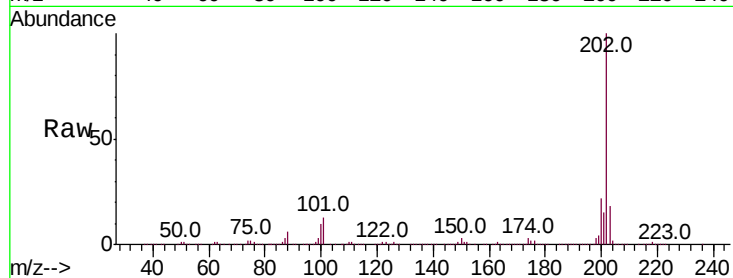
202 100

101 13.1 0.0 31.2

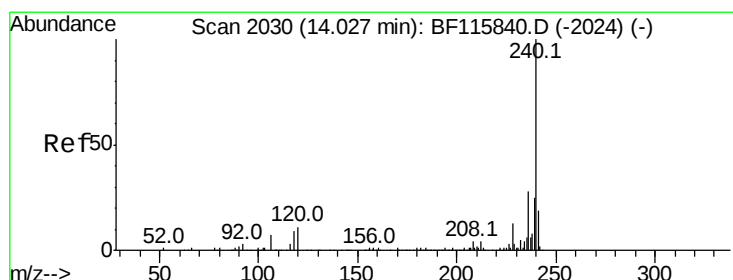
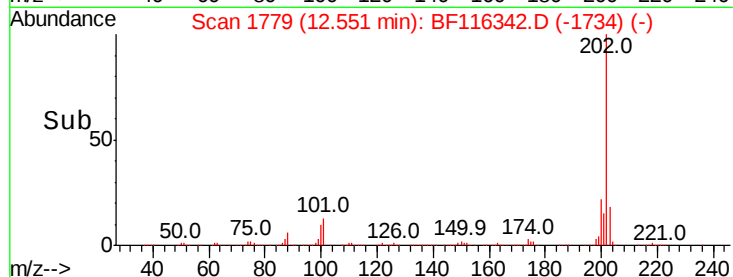
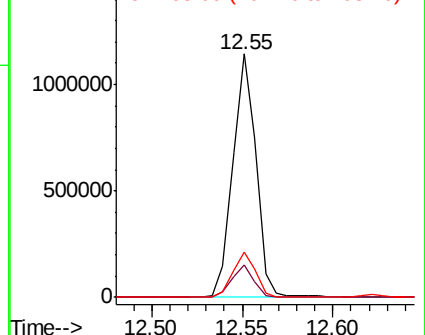
203 18.4 0.0 37.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.03 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

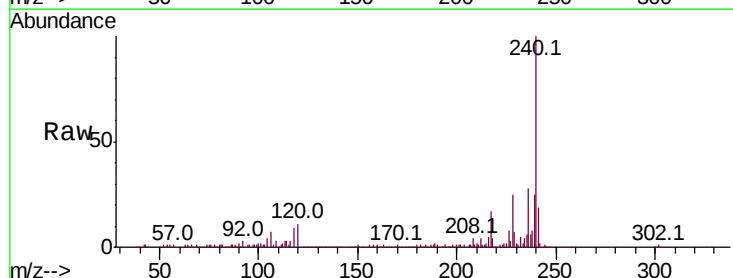
Tgt Ion:240 Resp: 255065

Ion Ratio Lower Upper

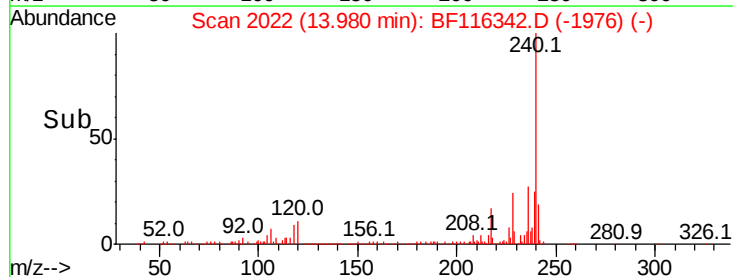
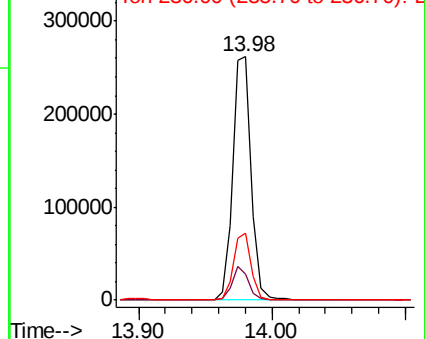
240 100

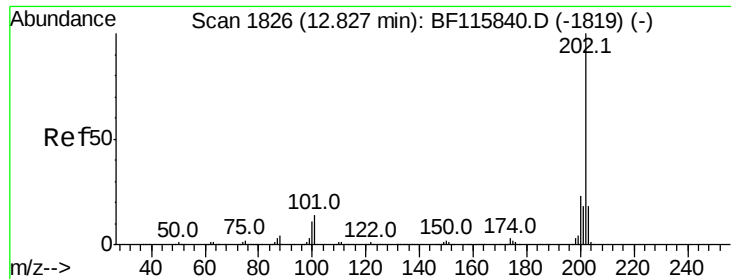
120 10.6 10.7 16.1#

236 27.6 22.2 33.2



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





#78

Pvrene

Concen: 45.513 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.04 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

Instrument :

BNA_F

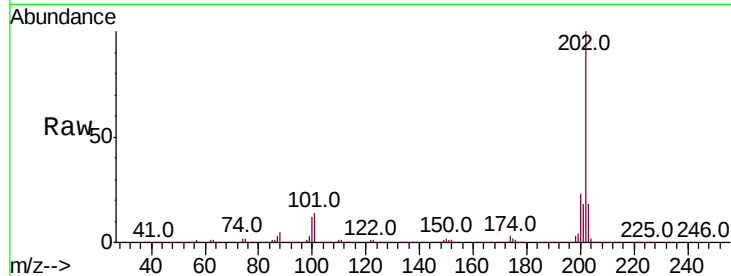
ClientSampleId :

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

Tot Ion:	202	Resp:	875082
Ion Ratio	Lower	Upper	
202	100		
200	22.5	18.0	27.0
203	18.2	14.1	21.1

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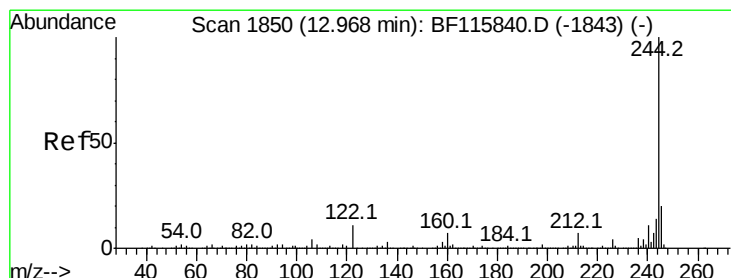
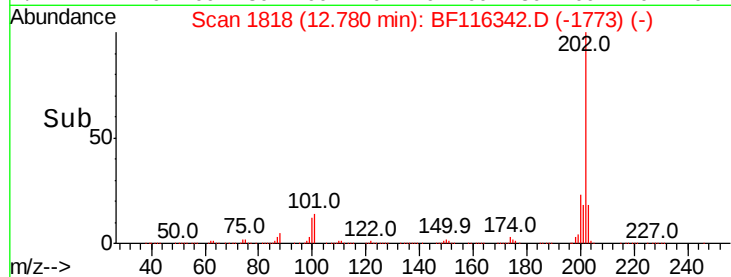
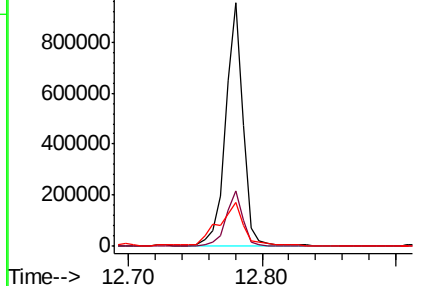
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 73.700 ng

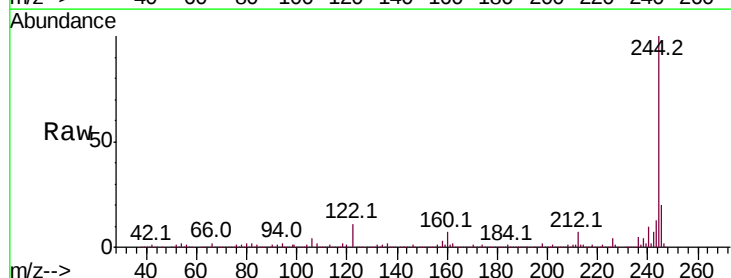
RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

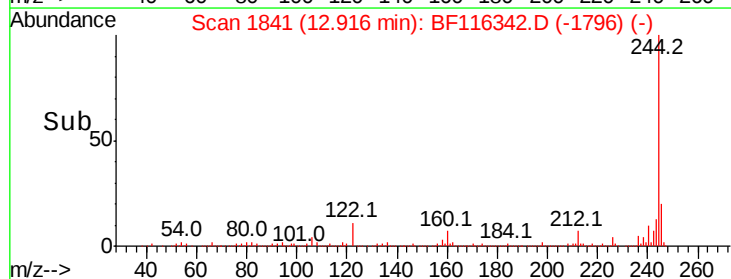
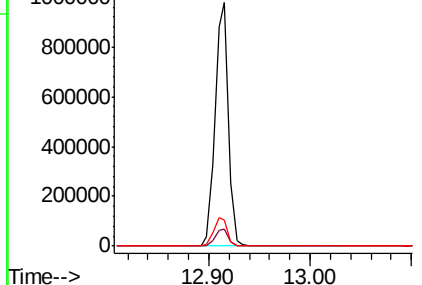
Tgt Ion:	244	Resp:	892112
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	10.8	9.0	13.4

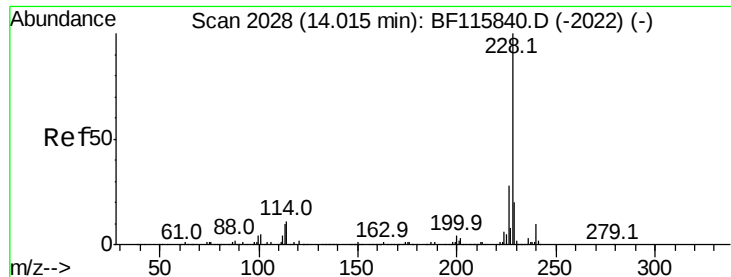


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





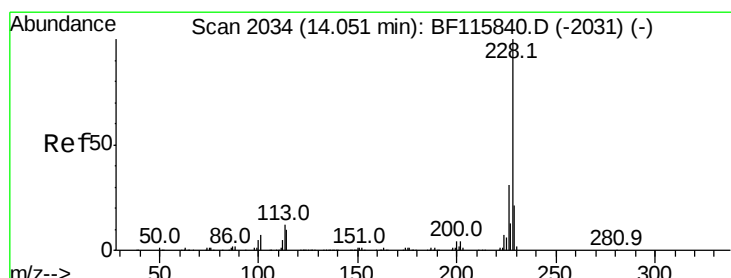
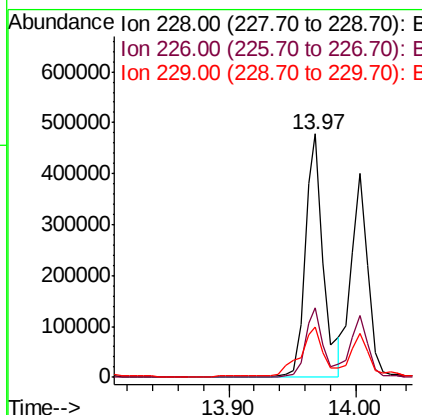
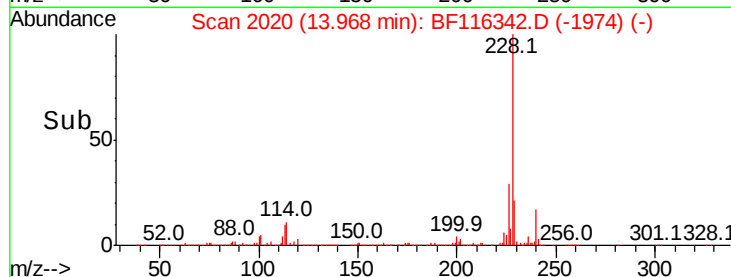
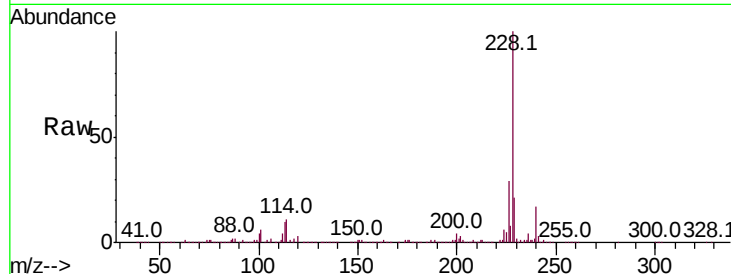
#81
Benzo(a)anthracene
Concen: 29.306 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.7	34.1
229	20.8	16.2	24.4

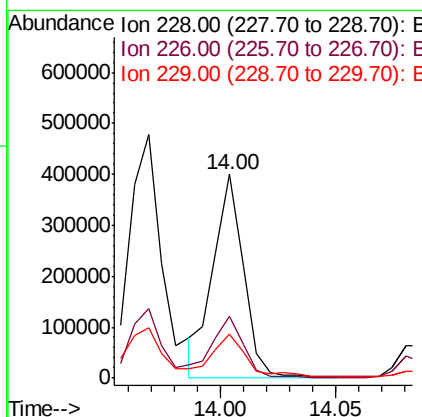
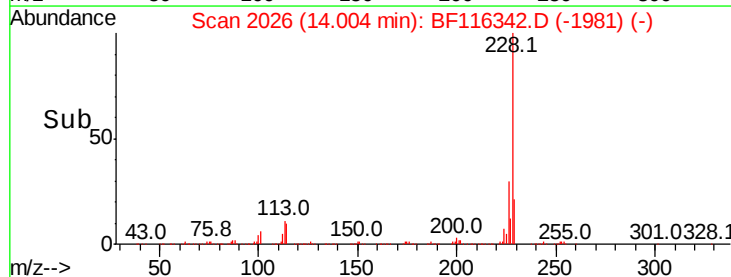
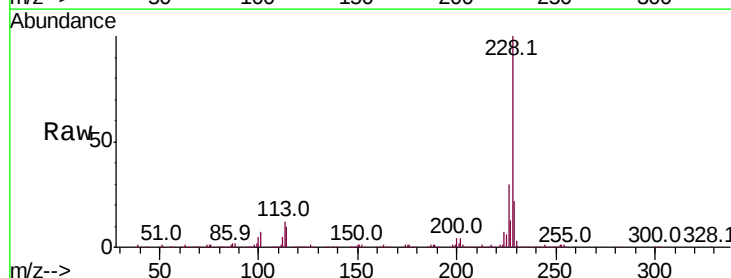
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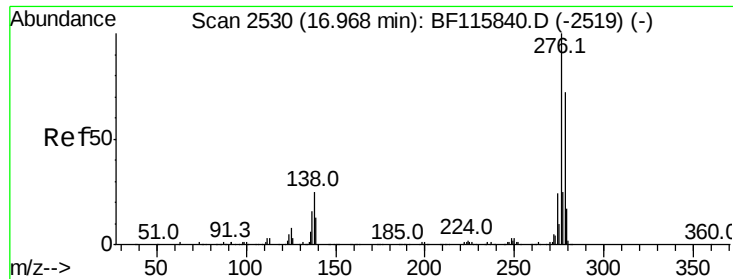
mohammad
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#83
Chrysene
Concen: 22.999 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.04 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.5	38.3
229	21.6	16.6	24.8





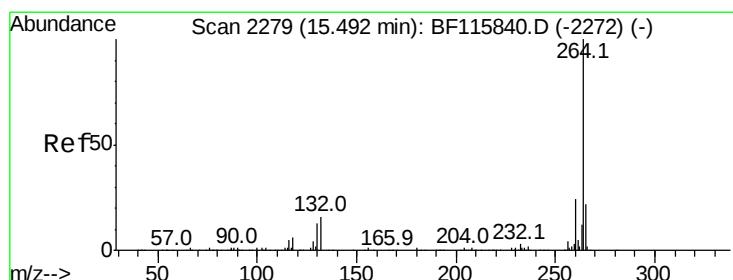
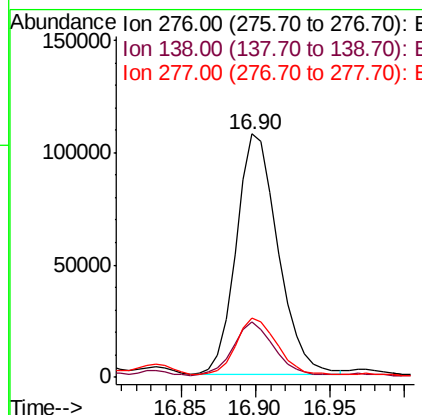
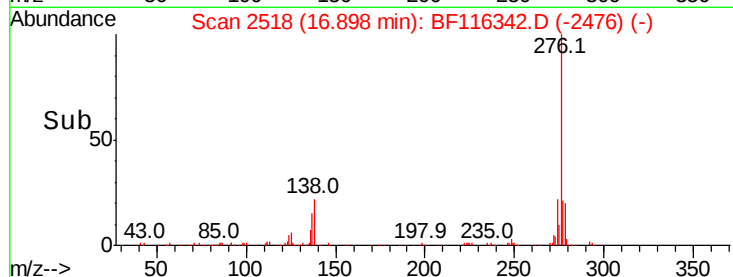
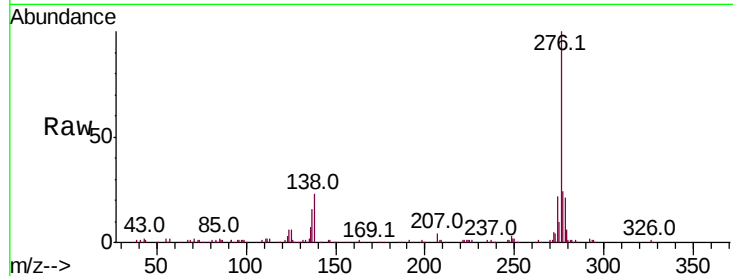
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 15.595 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.05 min
 Lab File: BF116342.D
 Acq: 17 Aug 2019 2:34

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

Tot Ion	Ratio	Resp	Lower	Upper
276	100	207310		
138	22.5	20.4	30.6	
277	23.7	20.0	30.0	

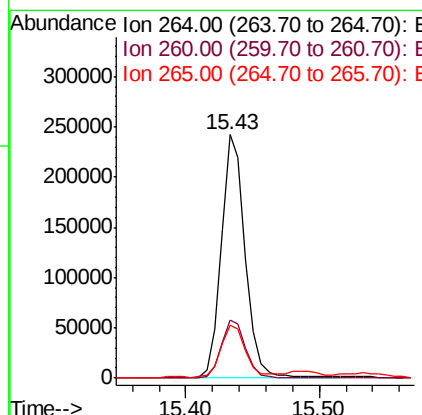
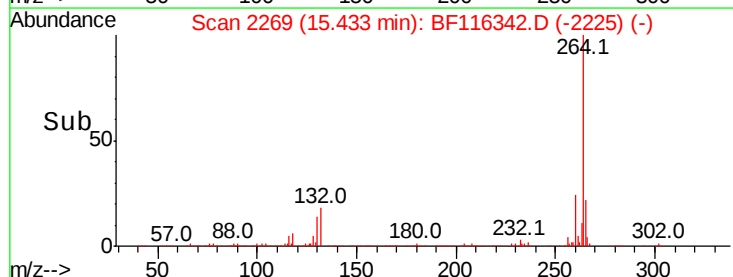
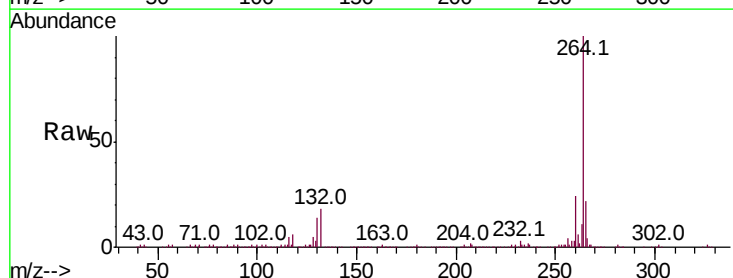
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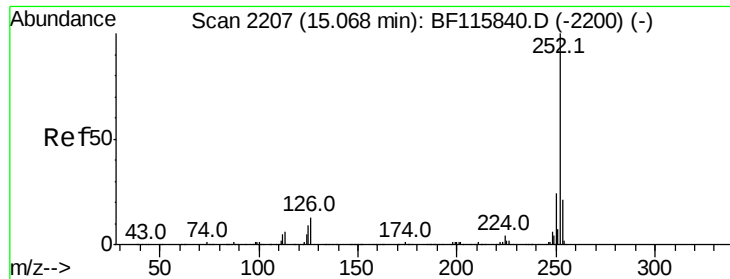
mohammad
 8/20/2019 8:37:25 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.04 min
 Lab File: BF116342.D
 Acq: 17 Aug 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	304690		
260	24.1	19.7	29.5	
265	21.6	17.4	26.0	





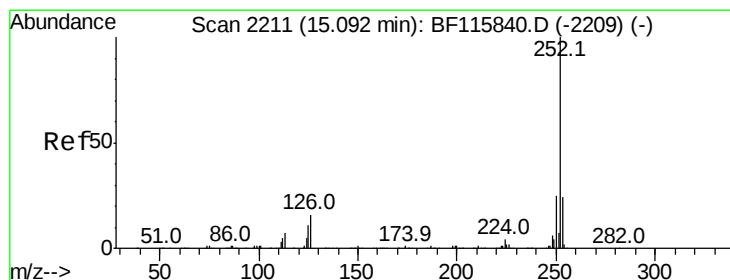
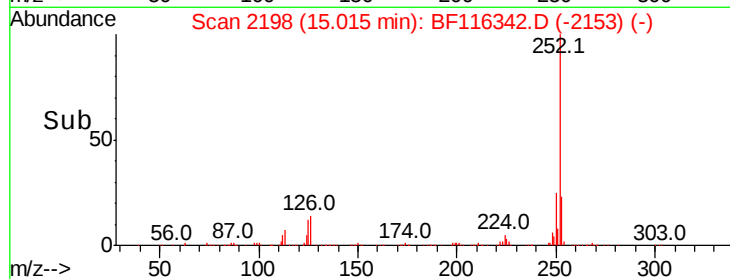
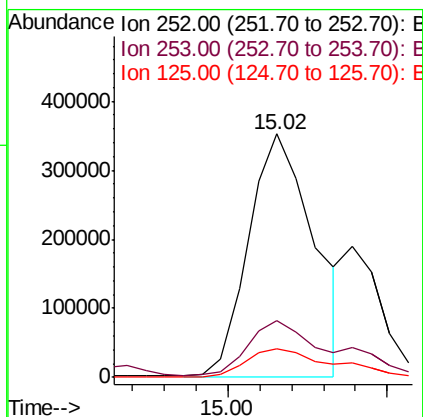
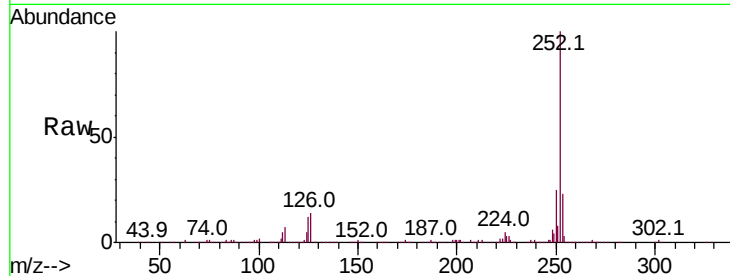
#88
Benzo(b)fluoranthene
Concen: 28.699 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.8	8.4	12.6

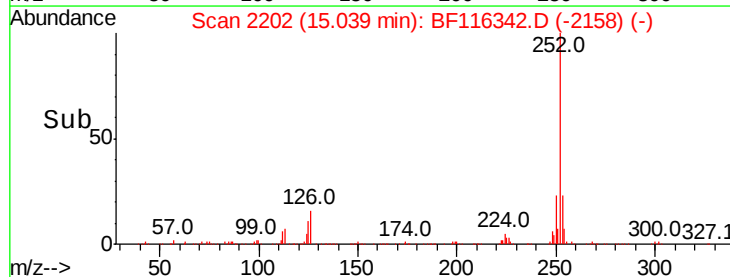
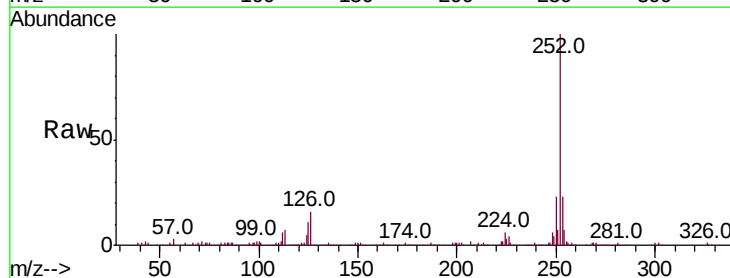
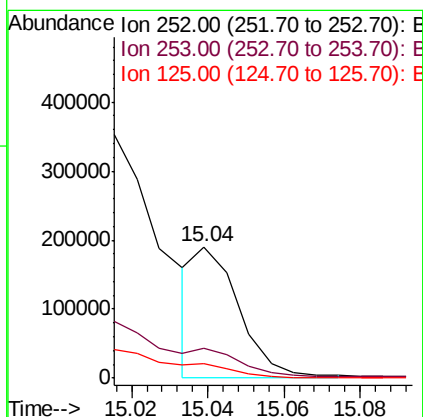
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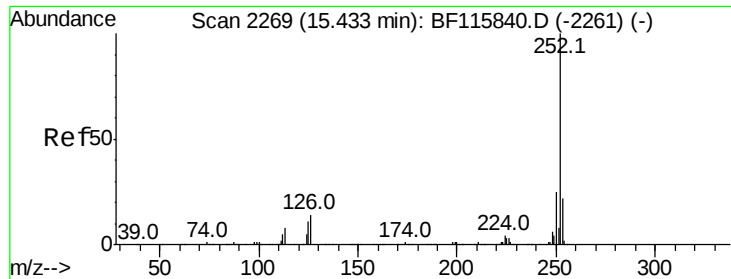
mohammad
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#89
Benzo(k)fluoranthene
Concen: 9.094 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	11.2	7.7	11.5





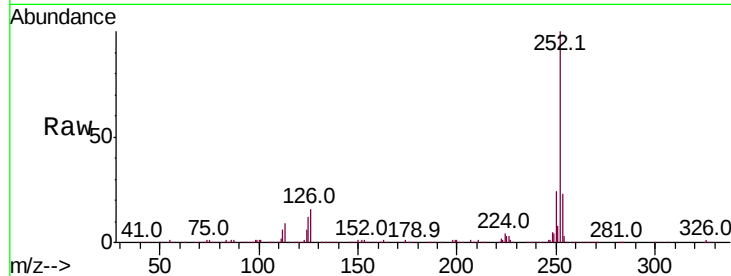
#90
Benzo(a)pyrene
Concen: 23.619 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.04 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	371968		
253	22.9		18.0	27.0
125	12.2		8.9	13.3

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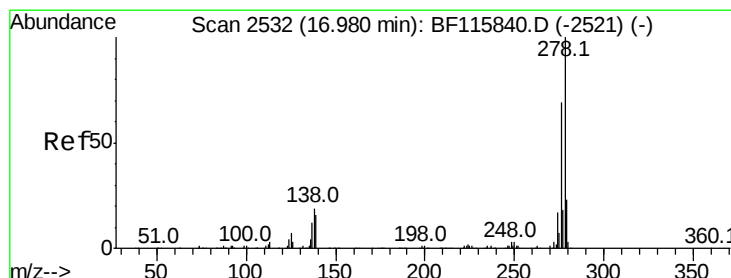
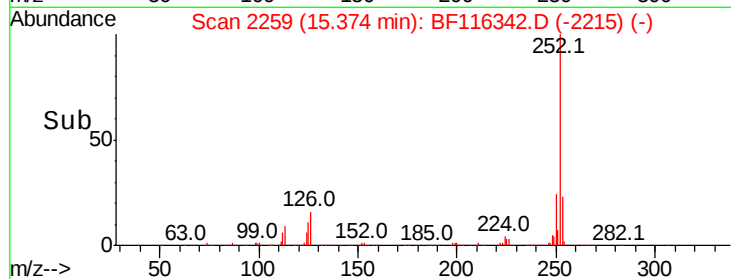
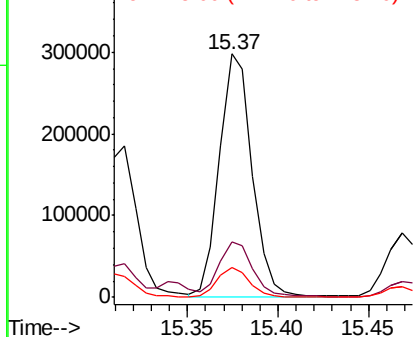


Abundance

Ion 252.00 (251.70 to 252.70): E

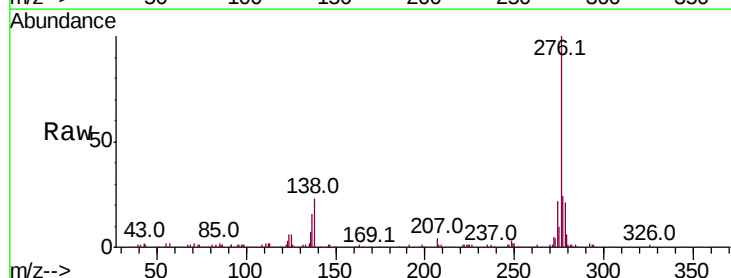
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 3.974 ng m
RT: 16.90 min Scan# 2518
Delta R.T. -0.06 min
Lab File: BF116342.D
Acq: 17 Aug 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	54178		
139	0.0		12.8	19.2#
279	27.4		18.8	28.2

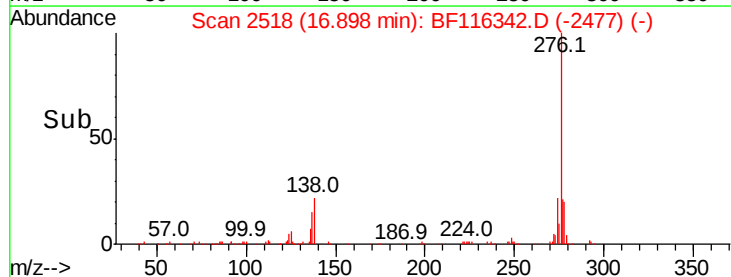
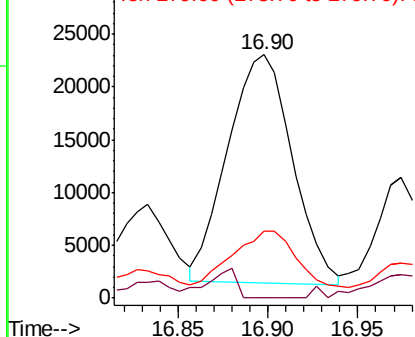


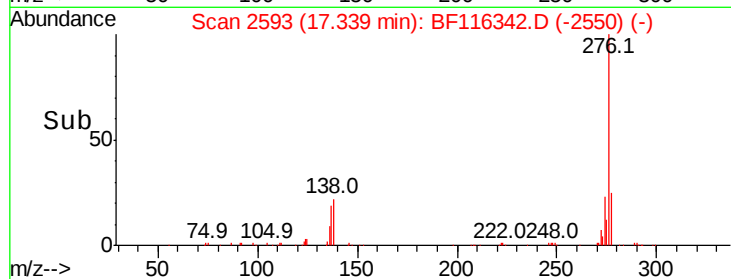
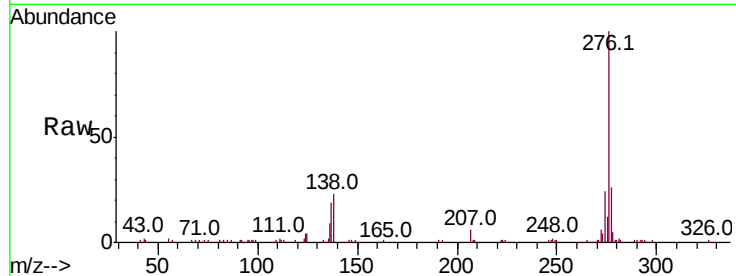
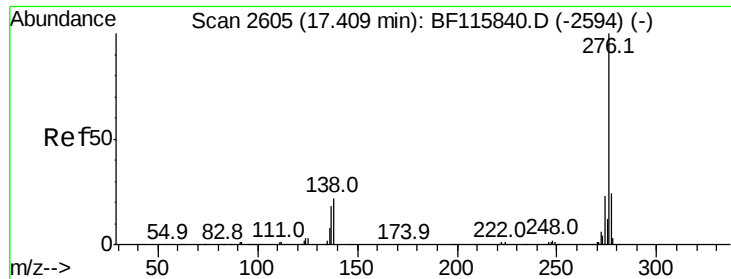
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 13.417 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.05 min

Lab File: BF116342.D

Acq: 17 Aug 2019 2:34

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion: 276 Resp: 179626

Ion Ratio Lower Upper

276 100

277 26.3 18.4 27.6

138 23.3 17.0 25.6

Manual Integrations

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