

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
 Data File : BF115635.D
 Acq On : 17 Jul 2019 21:12
 Operator : HP/JU
 Sample : K3852-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2_071619

Manual Integrations
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Quant Time: Jul 18 06:31:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	202201	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	778863	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	298041	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	479066	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	319263	20.00	ng	-0.01
87) Perylene-d12	15.50	264	343776	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1108046	89.64	ng	0.00
7) Phenol-d6	6.52	99	1440969	91.87	ng	0.00
23) Nitrobenzene-d5	7.44	82	909612	67.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	283466	81.48	ng	-0.02
45) 2-Fluorobiphenyl	9.24	172	1321603	77.61	ng	-0.01
79) Terphenyl-d14	12.98	244	1036473	59.90	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.18	128	99875	2.648	ng	94
50) Dimethylphthalate	9.62	163	249212	11.114	ng	99
52) Acenaphthene	9.95	154	88553	4.771	ng	98
55) Dibenzofuran	10.12	168	75007	2.846	ng	96
58) Fluorene	10.46	166	85813	4.554	ng	97
71) Phenanthrene	11.42	178	1165077	47.445	ng	97
72) Anthracene	11.47	178	297536	11.724	ng	98
73) Carbazole	11.62	167	151032	6.787	ng	97
75) Fluoranthene	12.62	202	1569965	60.500	ng	98
78) Pyrene	12.84	202	1362178	50.359	ng	98
81) Benzo(a)anthracene	14.03	228	803168	38.186	ng	98
83) Chrysene	14.06	228	741529	35.120	ng	96
86) Indeno(1,2,3-cd)pyrene	16.97	276	367669	20.496	ng	94
88) Benzo(b)fluoranthene	15.07	252	936127m	42.289	ng	
89) Benzo(k)fluoranthene	15.10	252	335352m	16.992	ng	
90) Benzo(a)pyrene	15.44	252	636041	33.430	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	98825	5.917	ng	94
92) Benzo(g,h,i)perylene	17.41	276	308797	18.537	ng	99

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

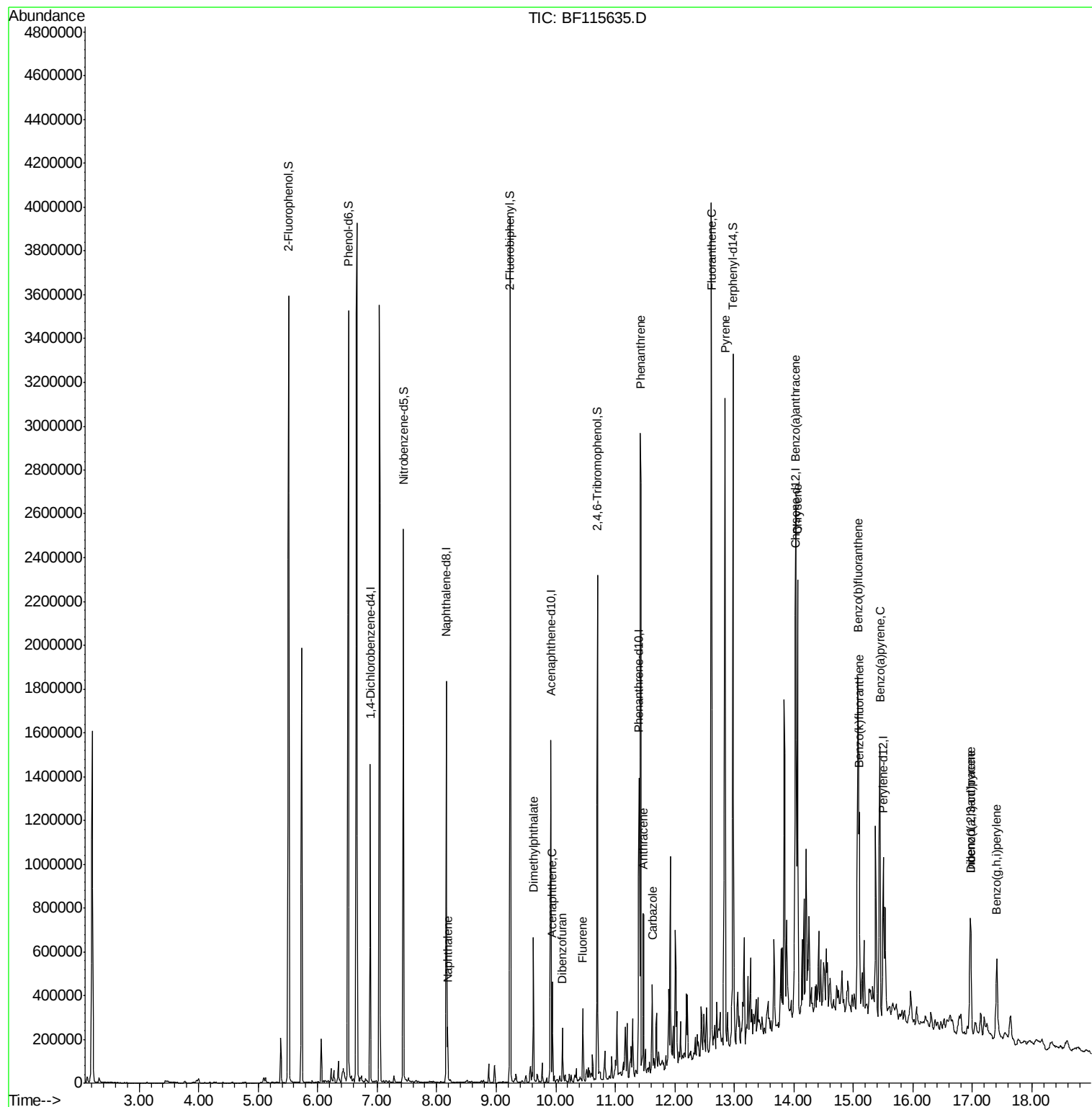
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
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ALS Vial : 16 Sample Multiplier: 1

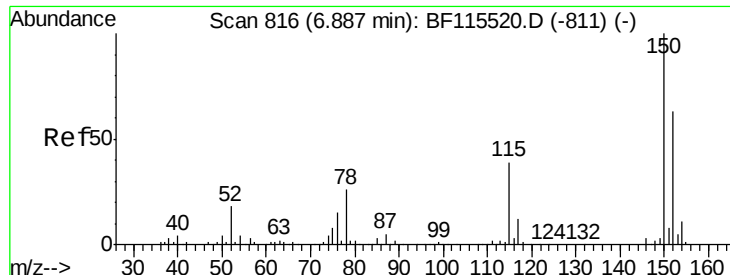
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Quant Time: Jul 18 06:31:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration





#1

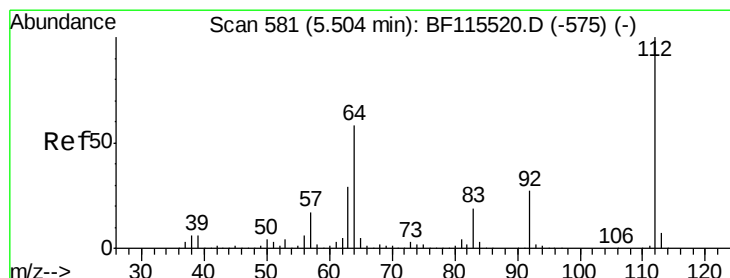
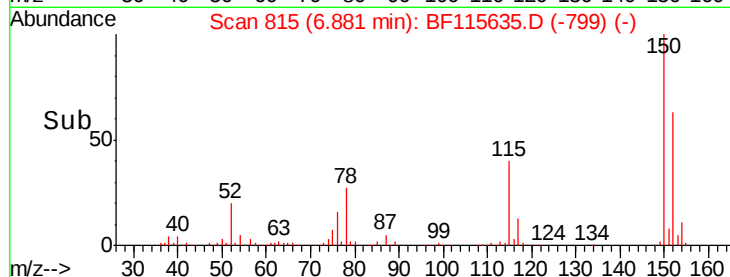
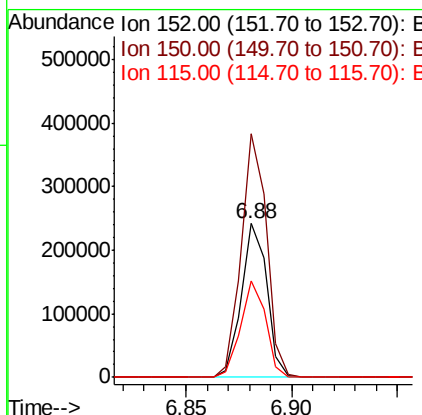
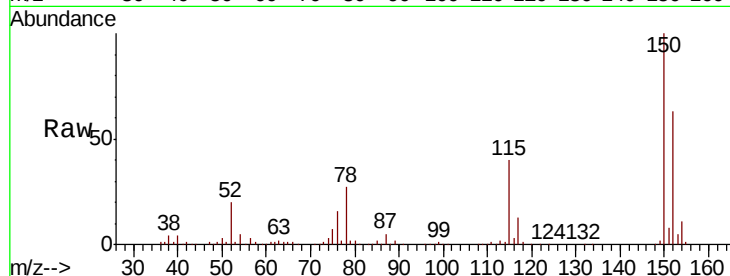
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Instrument :
BNA_F
ClientSampleId :
COMP-2_071619

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	129.7	194.5
115	62.7	48.2	72.4

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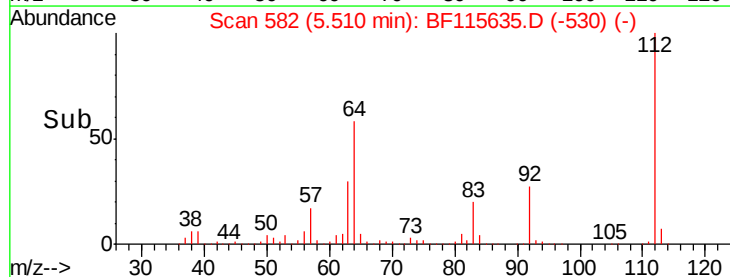
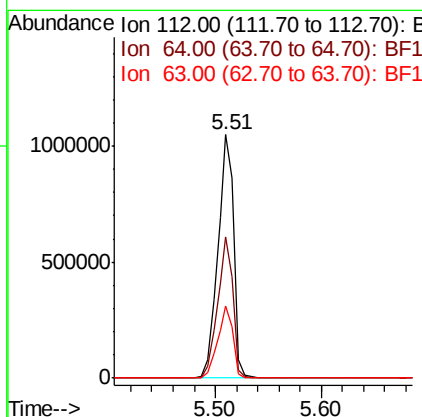
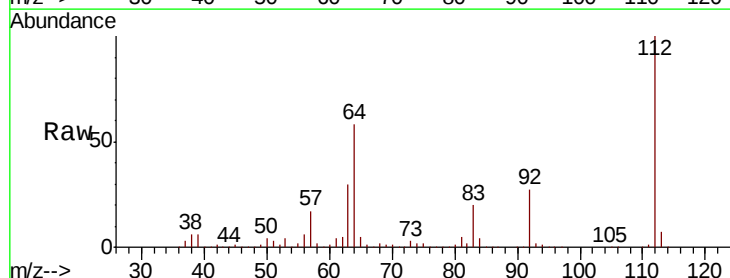
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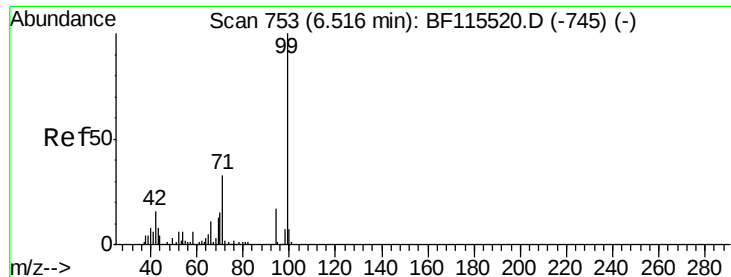


#5

2-Fluorophenol
Concen: 89.636 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.8	70.2
63	29.7	24.1	36.1





#7

Phenol-d6

Concen: 91.866 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Instrument :

BNA_F

ClientSampleId :

COMP-2_071619

Tot Ion: 99 Resp: 1440969

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

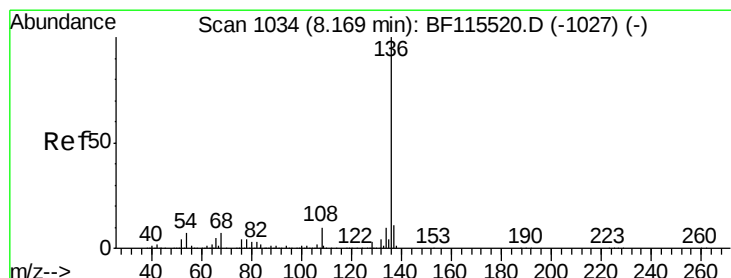
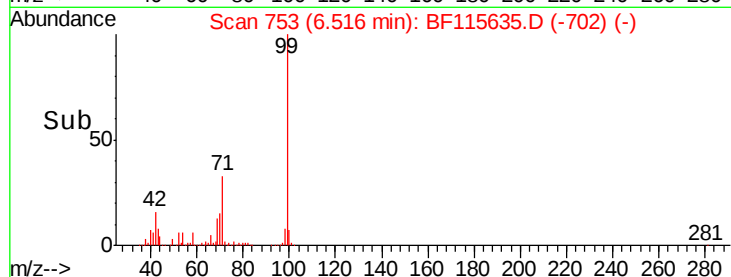
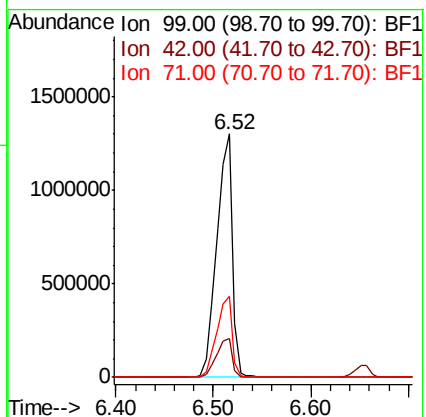
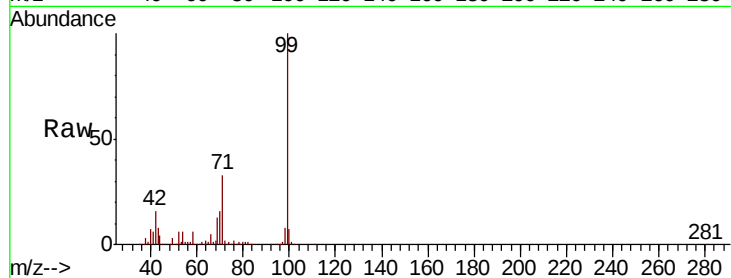
71 33.5 28.5 42.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Tgt Ion: 136 Resp: 778863

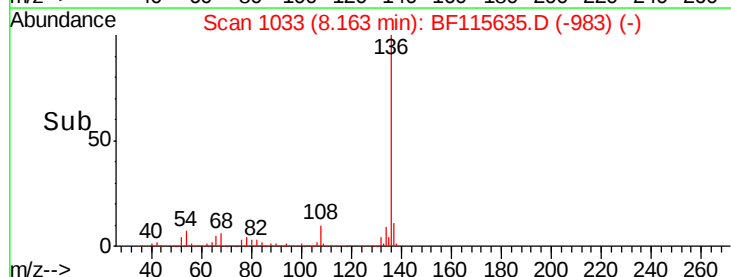
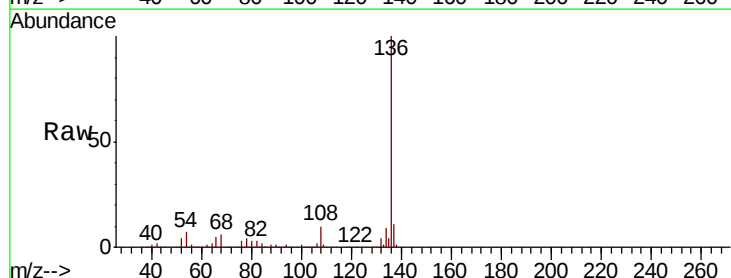
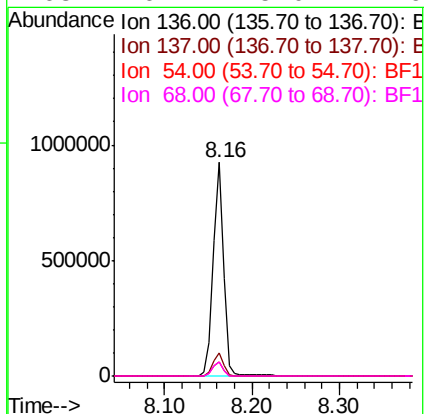
Ion Ratio Lower Upper

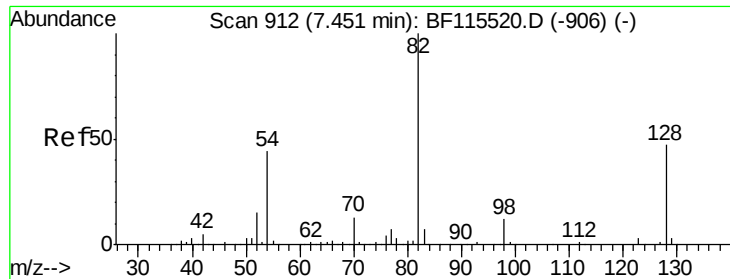
136 100

137 11.0 9.0 13.4

54 6.9 5.6 8.4

68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 67.908 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Instrument :

BNA_F

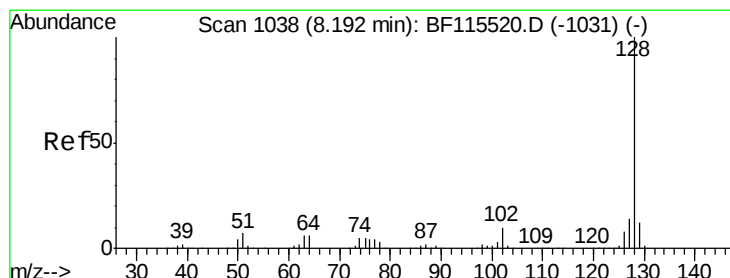
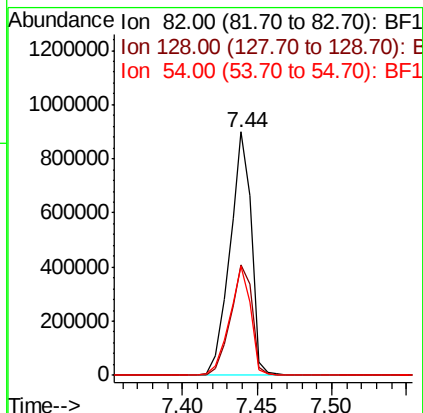
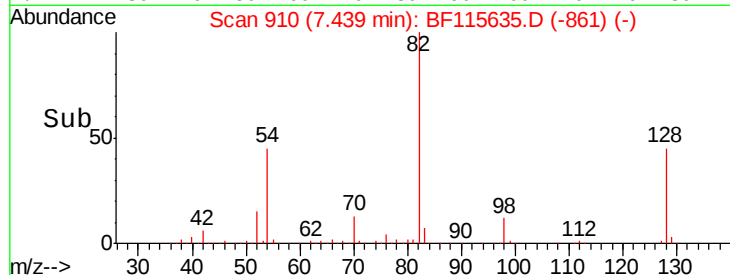
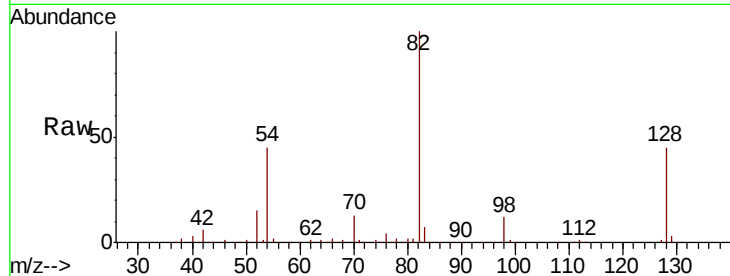
ClientSampleId :

COMP-2_071619

Tot Ion:	82	Resp:	909612
Ion Ratio	Lower	Upper	
82	100		
128	45.1	38.6	57.8
54	44.7	35.6	53.4

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#31

Naphthalene

Concen: 2.648 ng

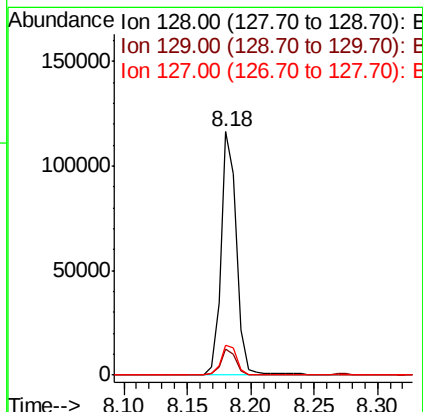
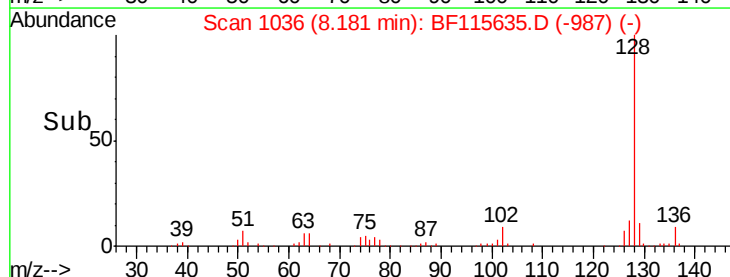
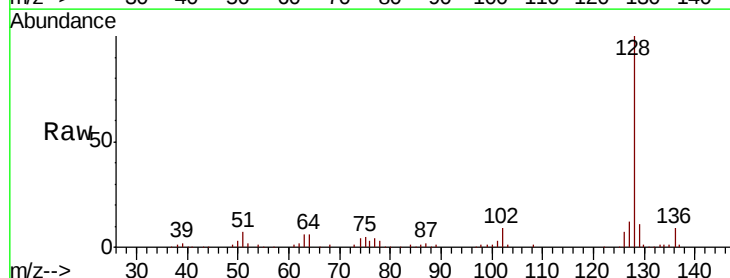
RT: 8.18 min Scan# 1036

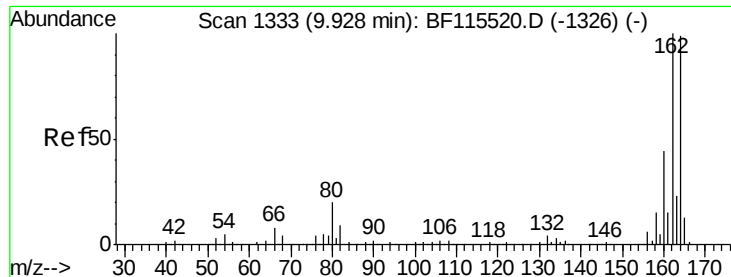
Delta R.T. -0.01 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Tgt Ion:	128	Resp:	99875
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.9	14.9
127	12.2	12.1	18.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Instrument :

BNA_F

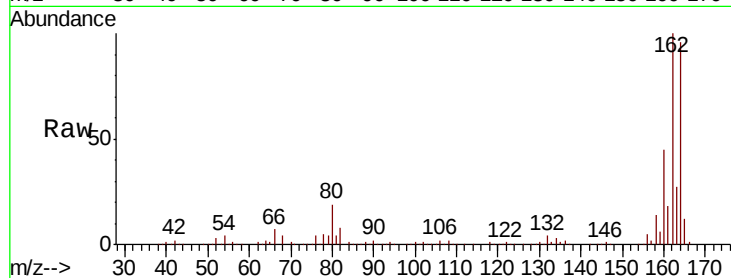
ClientSampleId :

COMP-2_071619

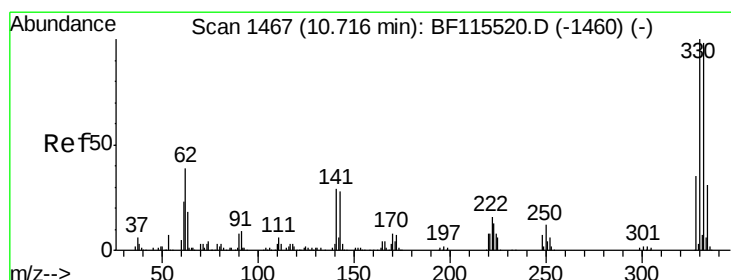
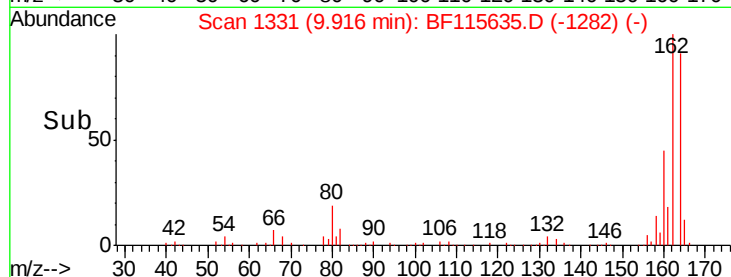
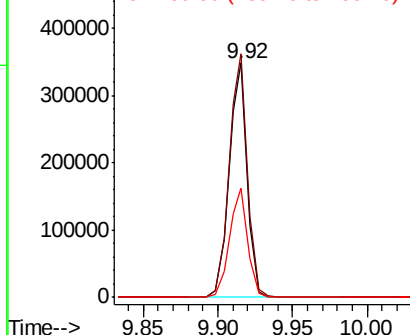
Tot Ion:	164	Resp:	298041
Ion Ratio	Lower	Upper	
164	100		
162	103.8	82.9	124.3
160	46.5	36.8	55.2

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 81.482 ng

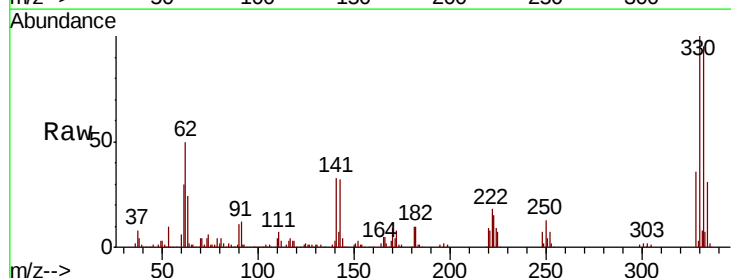
RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

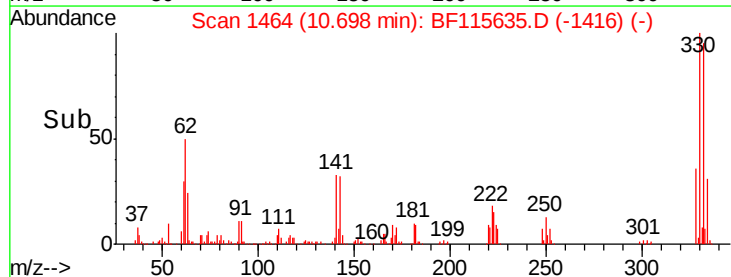
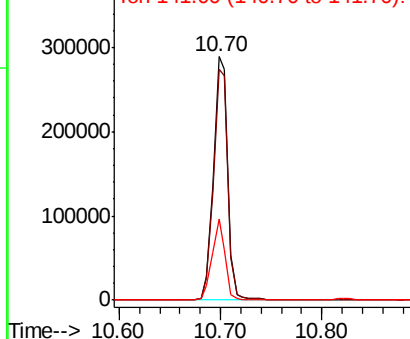
Lab File: BF115635.D

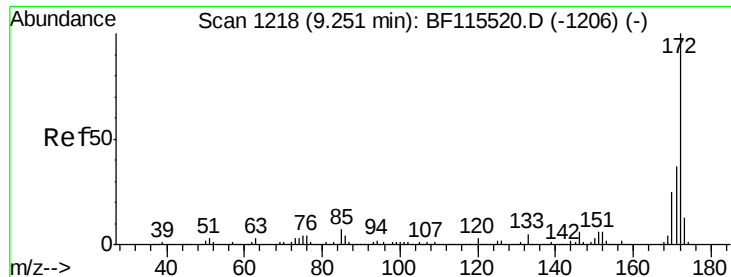
Acq: 17 Jul 2019 21:12

Tgt Ion:	330	Resp:	283466
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.4	116.2
141	31.2	22.4	33.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





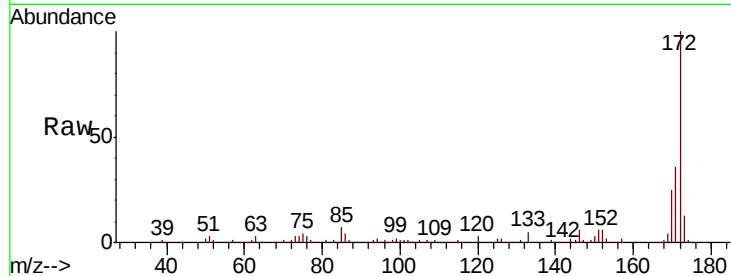
#45
2-Fluorobiphenyl
Concen: 77.613 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Instrument :
BNA_F
ClientSampleId :
COMP-2_071619

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.6	46.0
170	24.5	20.5	30.7

Manual Integrations
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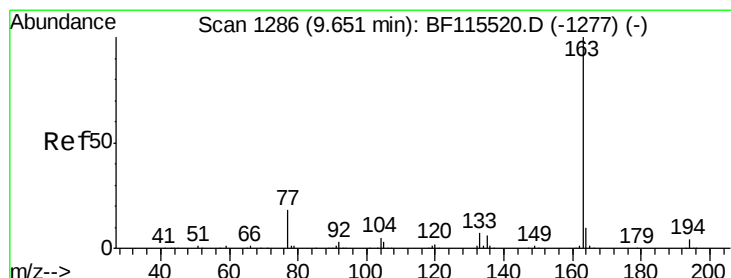
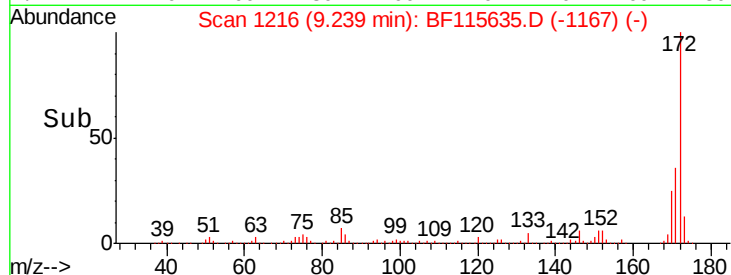
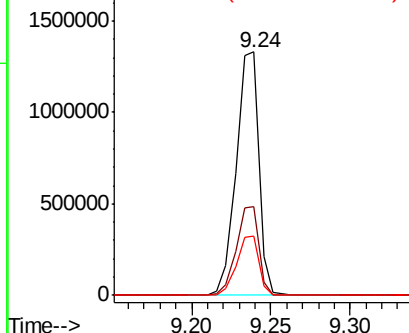


Abundance

Ion 172.00 (171.70 to 172.70): E

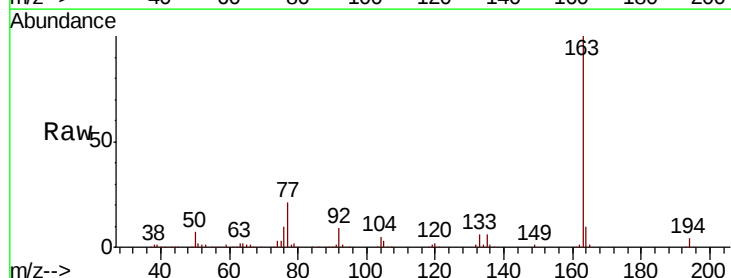
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 11.114 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.4	8.7	13.1

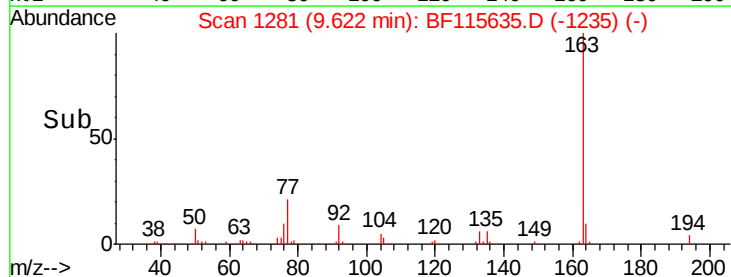
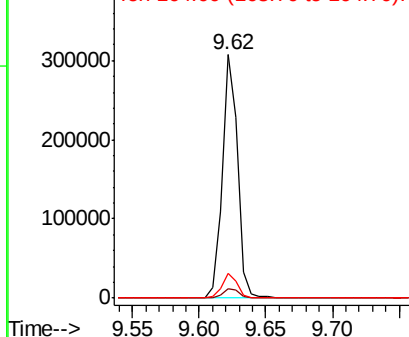


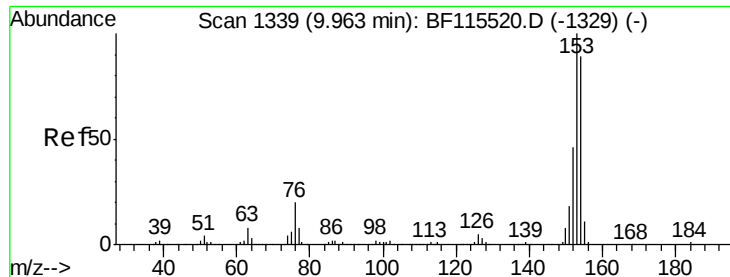
Abundance

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: 4.771 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Instrument :

BNA_F

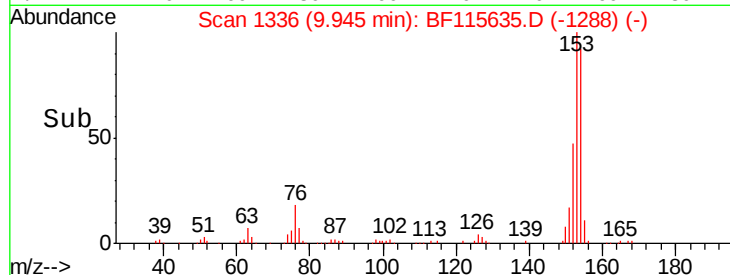
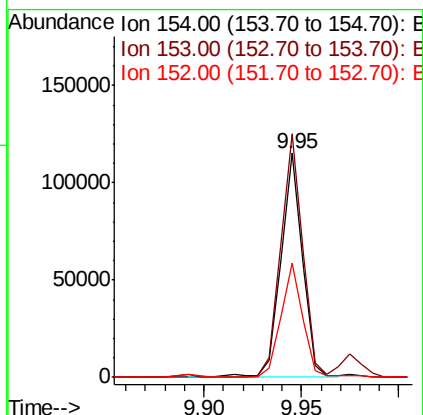
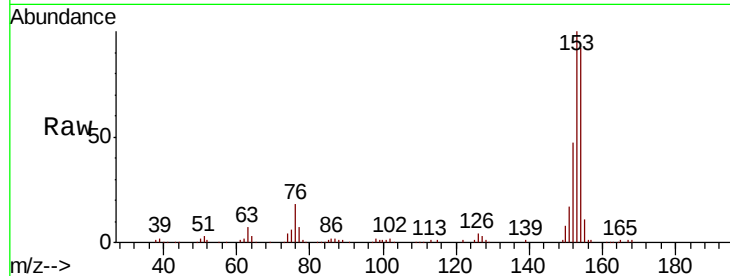
ClientSampleId :

COMP-2_071619

Tot Ion:	154	Resp:	88553
Ion Ratio	Lower	Upper	
154	100		
153	108.7	88.6	133.0
152	50.9	42.3	63.5

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#55

Dibenzofuran

Concen: 2.846 ng

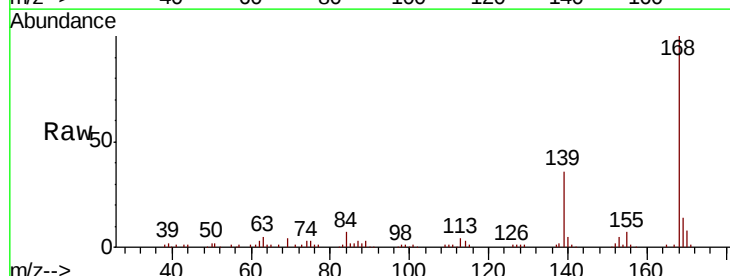
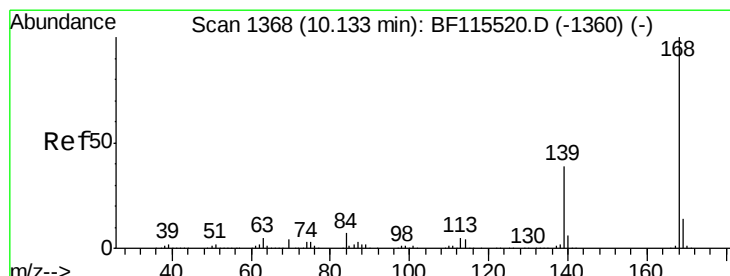
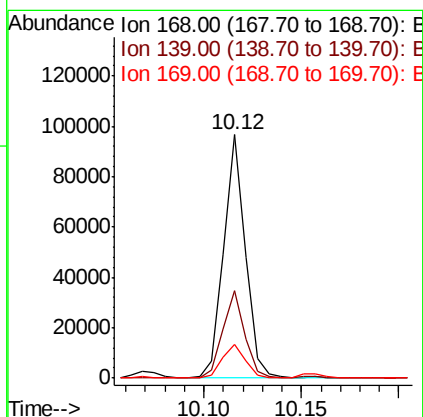
RT: 10.12 min Scan# 1365

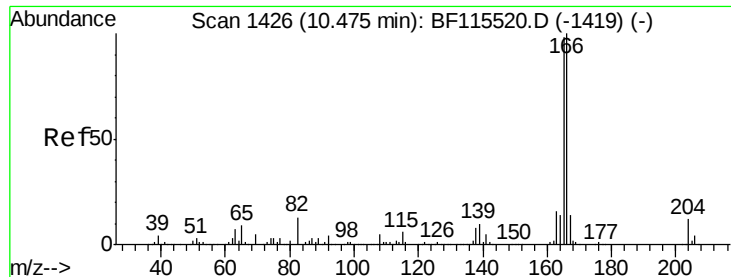
Delta R.T. -0.02 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Tgt Ion:	168	Resp:	75007
Ion Ratio	Lower	Upper	
168	100		
139	35.7	31.1	46.7
169	13.9	11.1	16.7





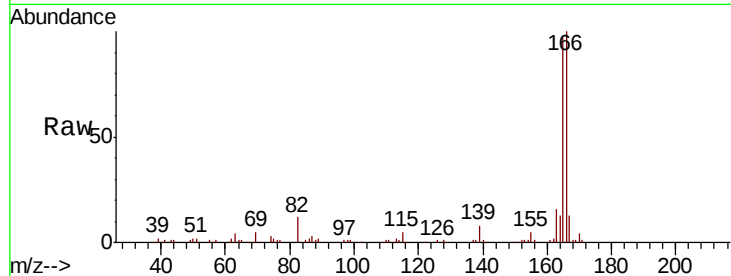
#58
 Fluorene
 Concen: 4.554 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: BF115635.D
 Acq: 17 Jul 2019 21:12

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2_071619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		85813		
165	96.6	79.8	119.6		
167	13.5	11.2	16.8		

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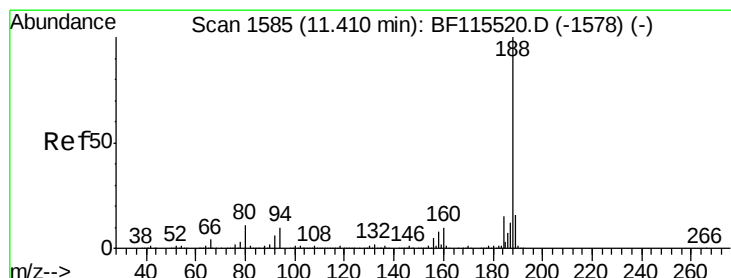
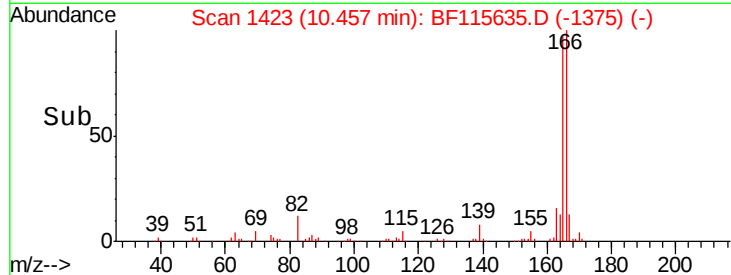
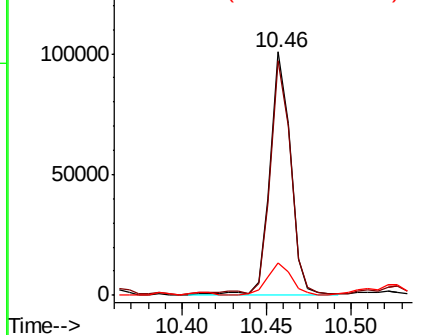


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF115635.D
 Acq: 17 Jul 2019 21:12

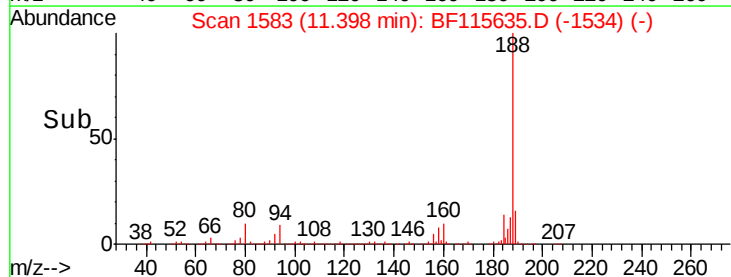
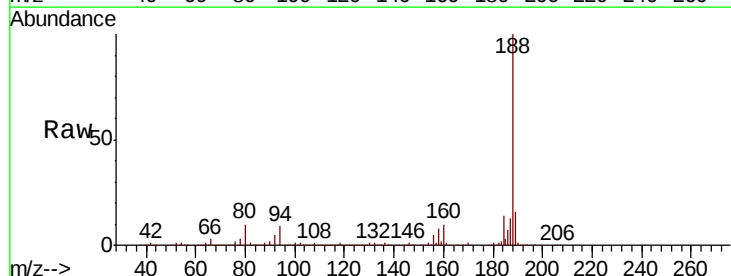
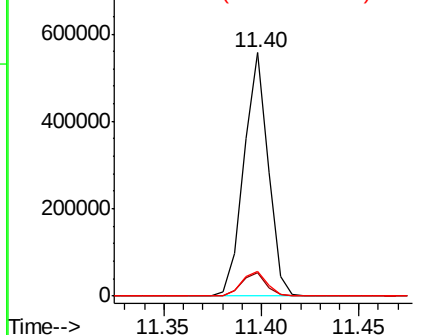
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		479066		
94	9.4	7.8	11.6		
80	10.0	8.6	13.0		

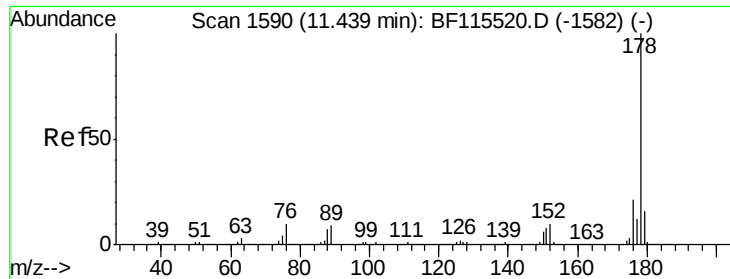
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





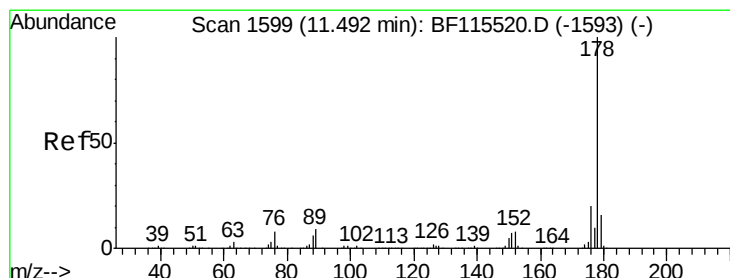
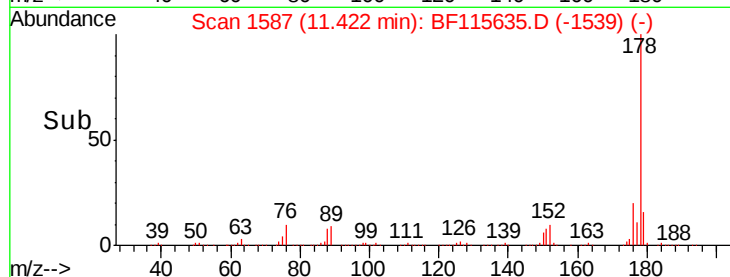
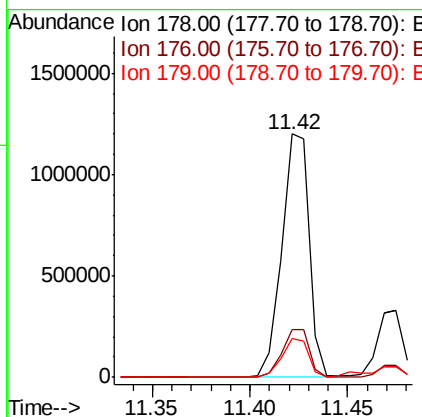
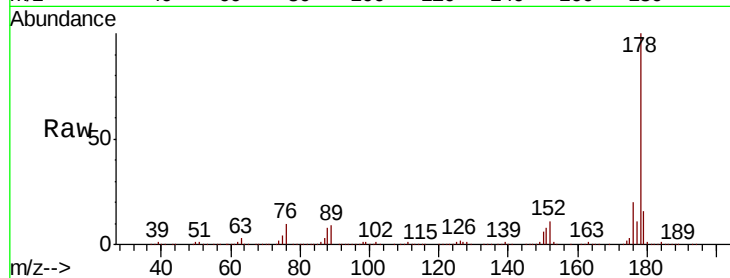
#71
Phenanthrene
Concen: 47.445 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Instrument :
BNA_F
ClientSampleId :
COMP-2_071619

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	17.2	25.8
179	15.8	13.5	20.3

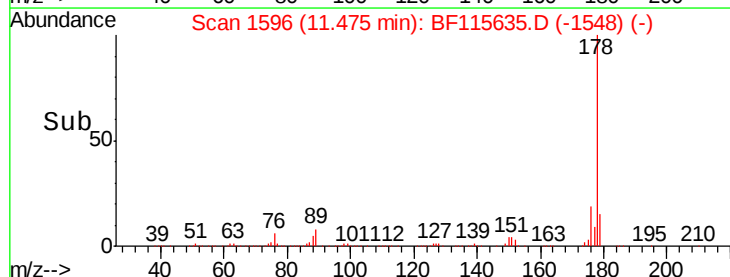
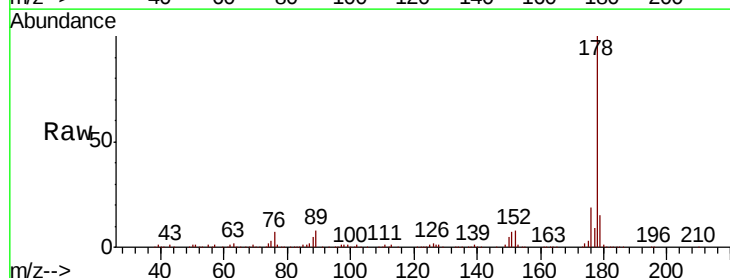
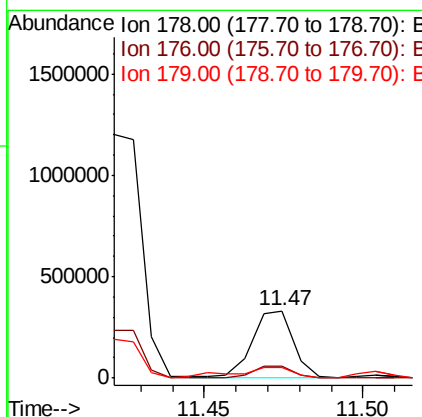
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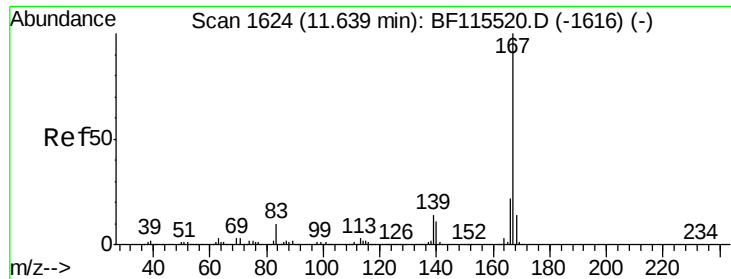
mohammad
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#72
Anthracene
Concen: 11.724 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.3	12.7	19.1





#73

Carbazole

Concen: 6.787 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.02 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Instrument :

BNA_F

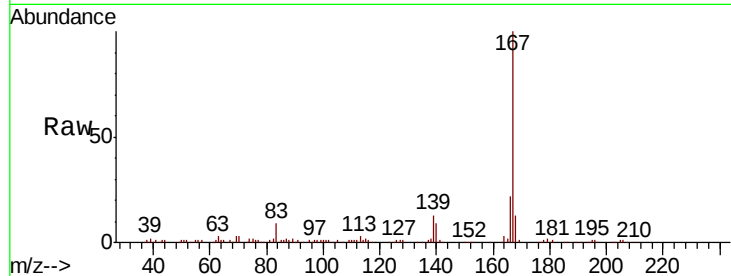
ClientSampleId :

COMP-2_071619

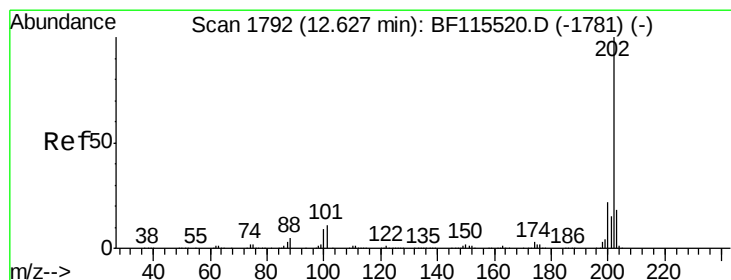
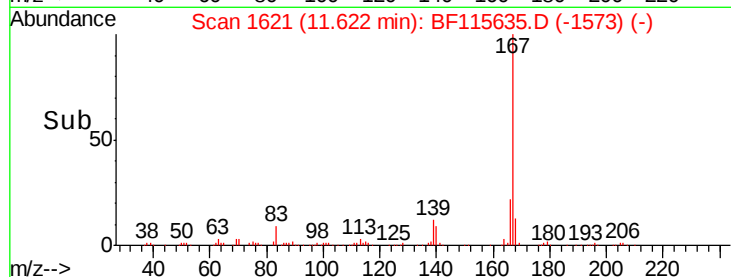
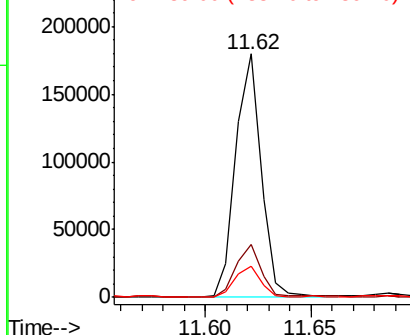
Tot Ion:	167	Resp:	151032
Ion Ratio	Lower	Upper	
167	100		
166	21.7	18.1	27.1
139	12.7	11.3	16.9

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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: 60.500 ng

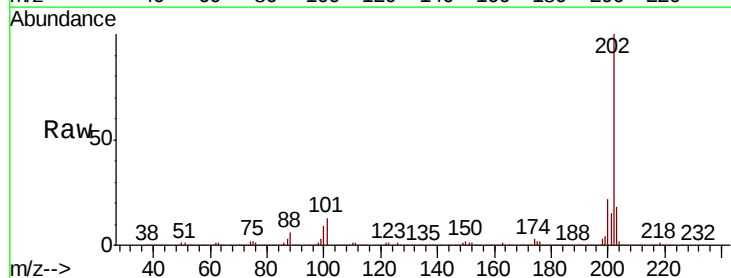
RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

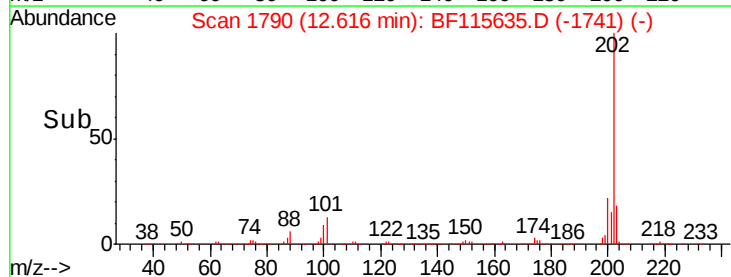
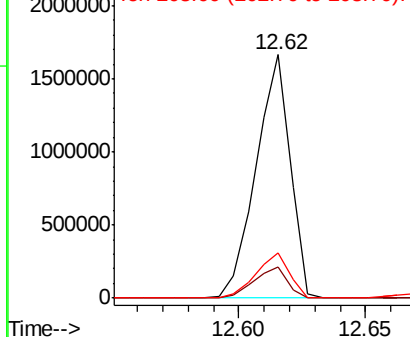
Lab File: BF115635.D

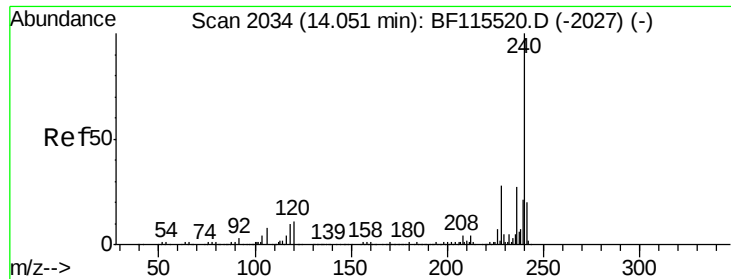
Acq: 17 Jul 2019 21:12

Tgt Ion:	202	Resp:	1569965
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	31.4
203	18.4	0.0	38.1



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





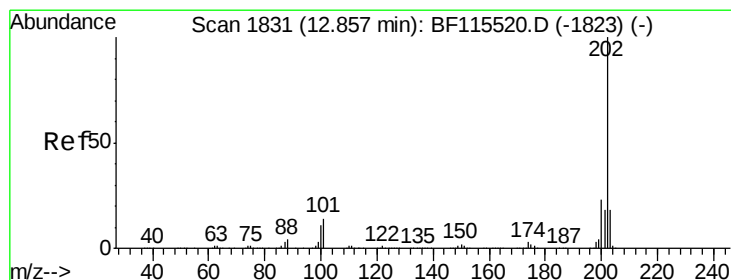
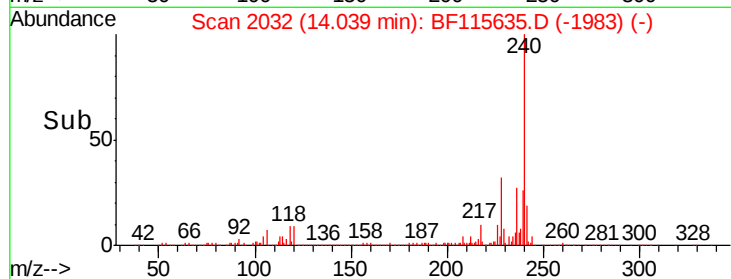
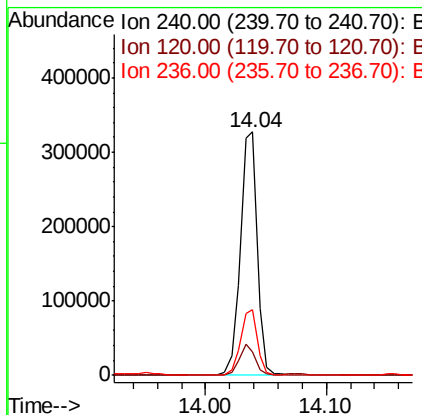
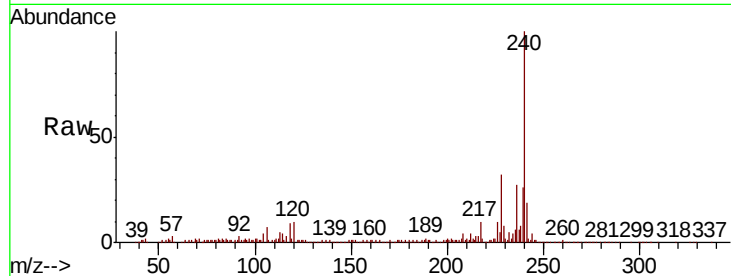
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF115635.D
 Acq: 17 Jul 2019 21:12

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2_071619

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.6	13.0
236	27.1	21.3	31.9

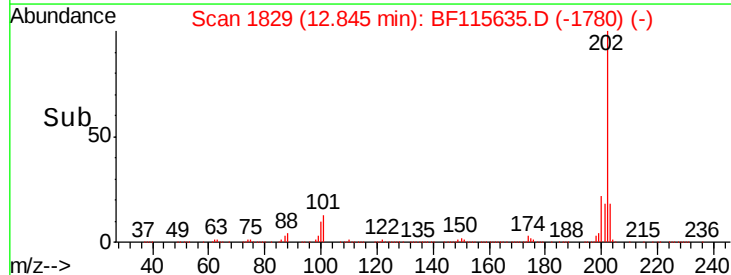
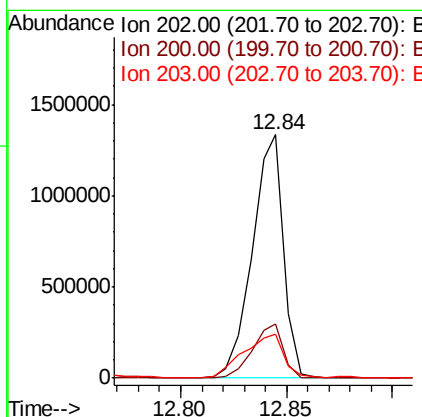
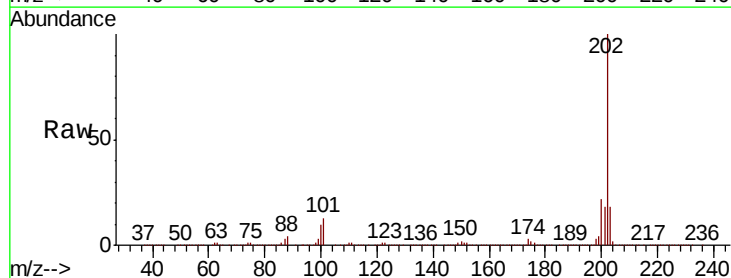
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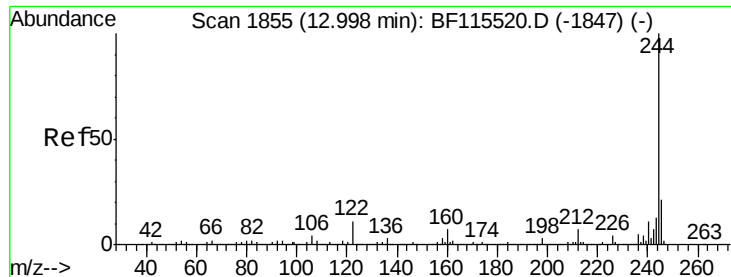
mohammad
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#78
 Pyrene
 Concen: 50.359 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF115635.D
 Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.7	28.1
203	18.0	15.2	22.8





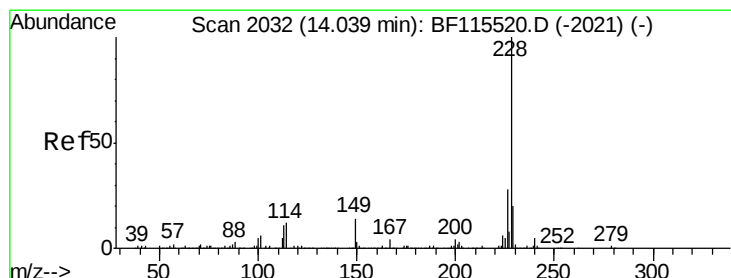
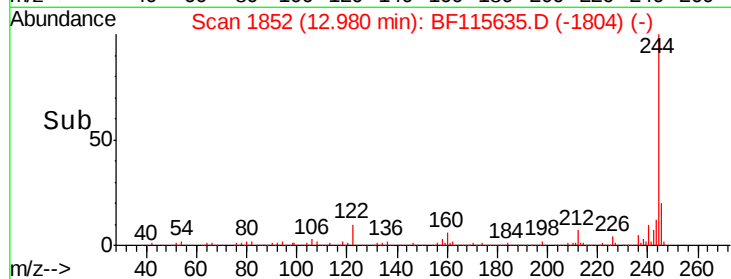
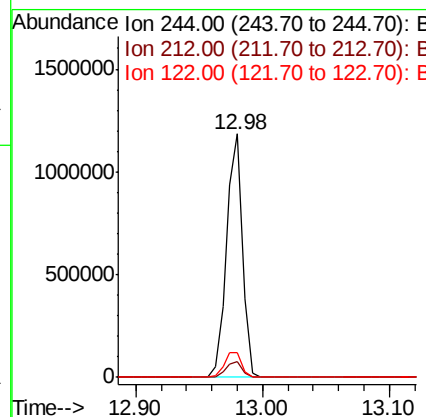
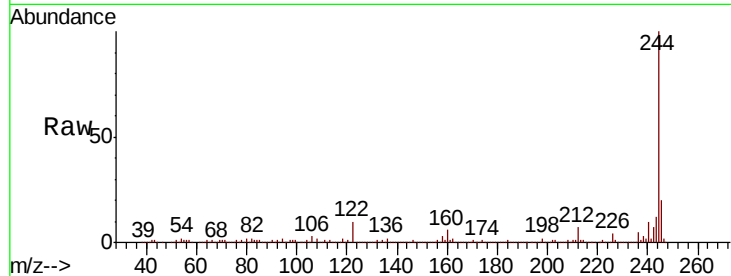
#79
 Terphenyl-d14
 Concen: 59.903 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: BF115635.D
 Acq: 17 Jul 2019 21:12

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2_071619

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	10.3	8.6	12.8

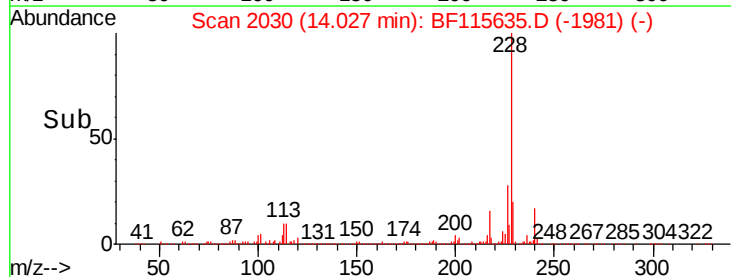
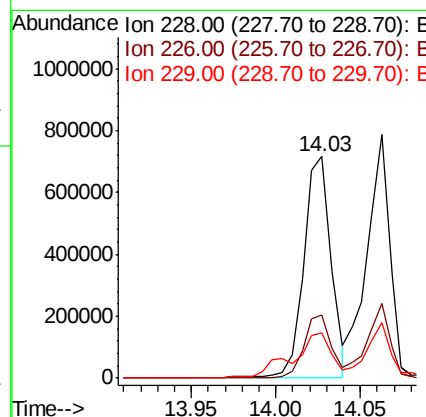
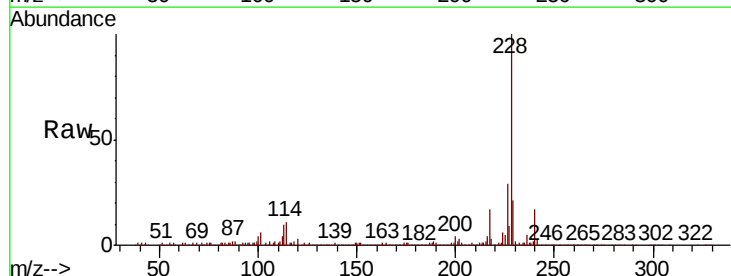
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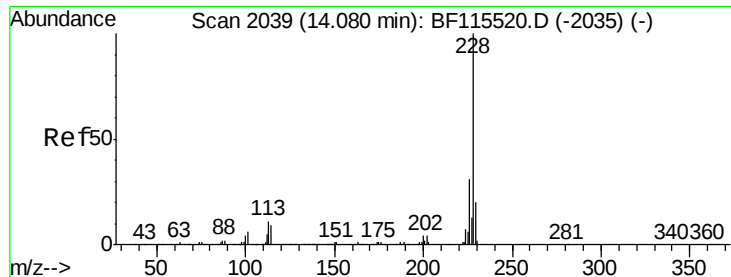
mohammad
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#81
 Benzo(a)anthracene
 Concen: 38.186 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF115635.D
 Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.4	35.0
229	20.6	17.2	25.8





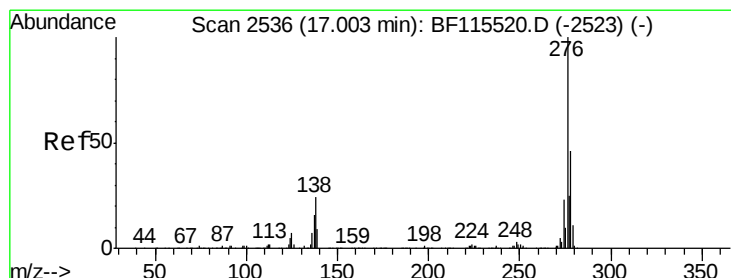
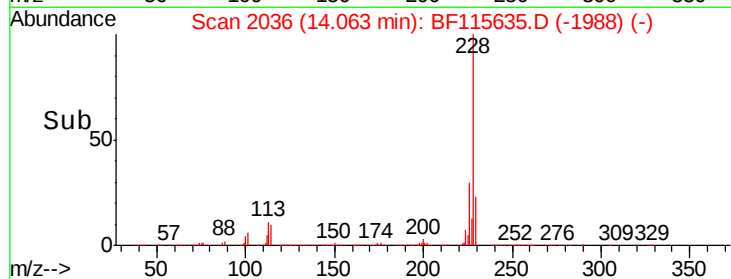
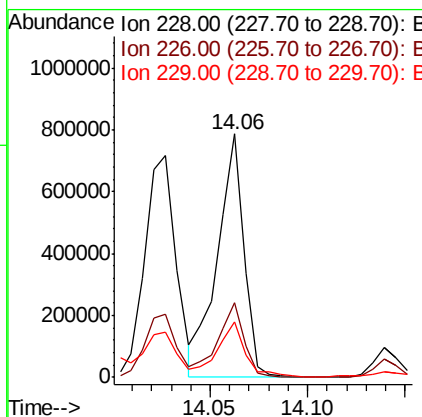
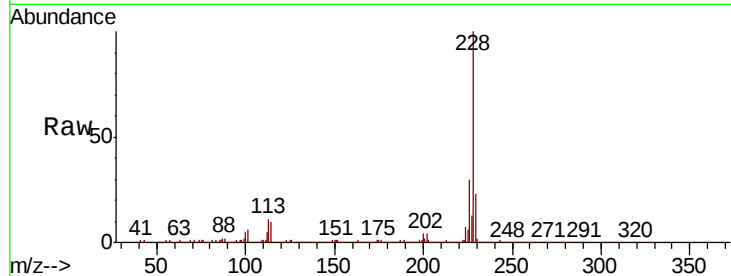
#83
Chrysene
Concen: 35.120 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Instrument :
BNA_F
ClientSampleId :
COMP-2_071619

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.7	38.5
229	22.8	16.6	25.0

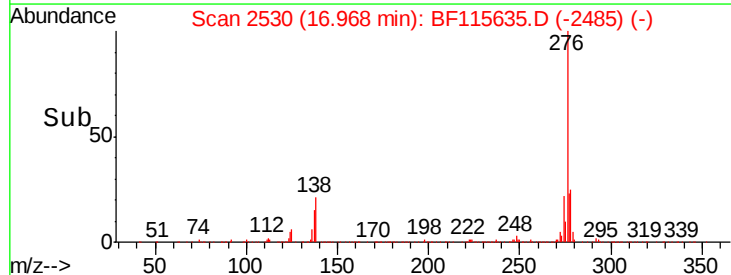
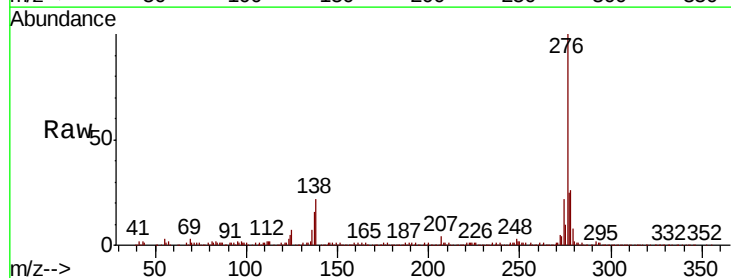
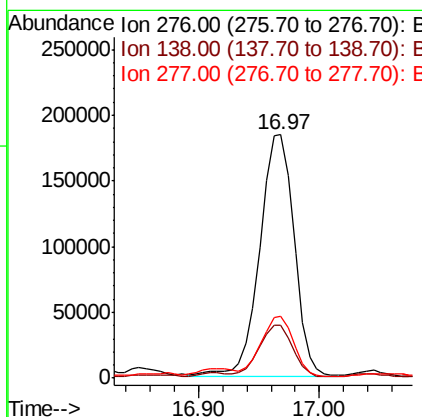
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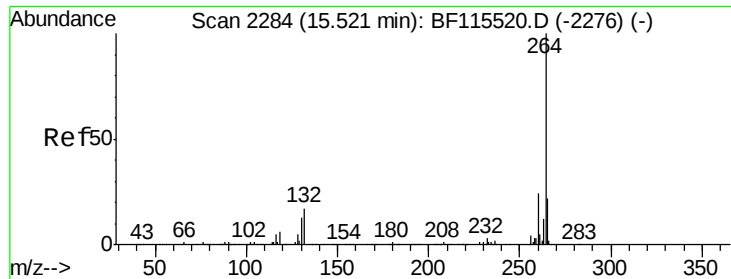
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 20.496 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.2	30.2
277	23.4	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Instrument :

BNA_F

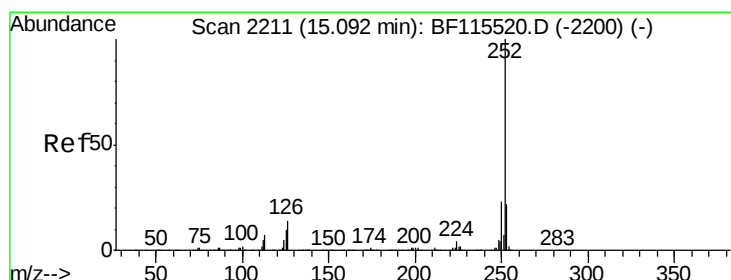
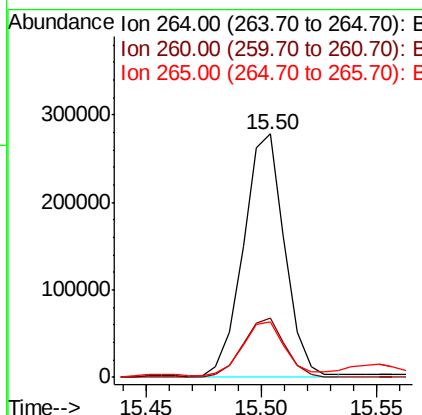
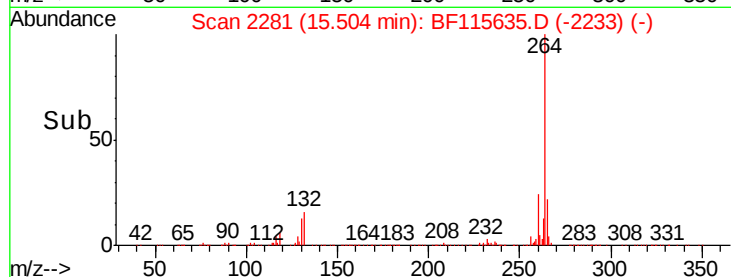
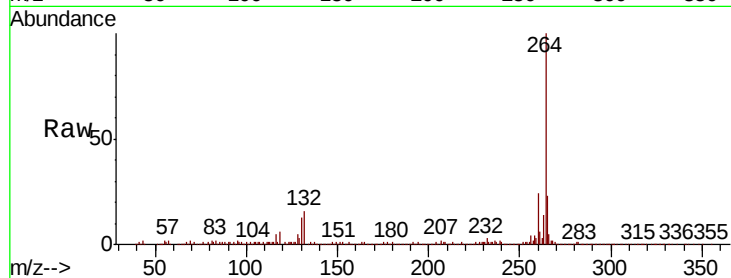
ClientSampleId :

COMP-2_071619

Tot Ion:	264	Resp:	343776
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.8	29.8
265	22.5	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 42.289 ng m

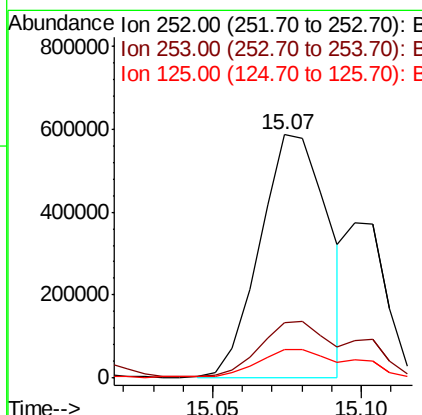
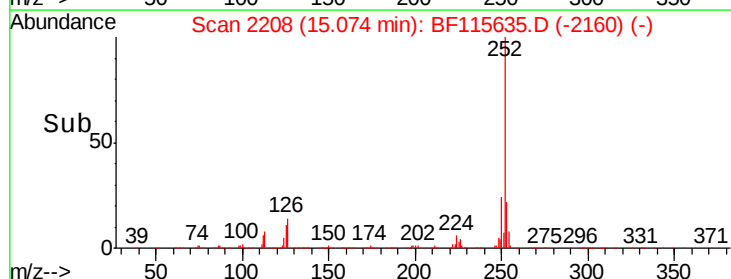
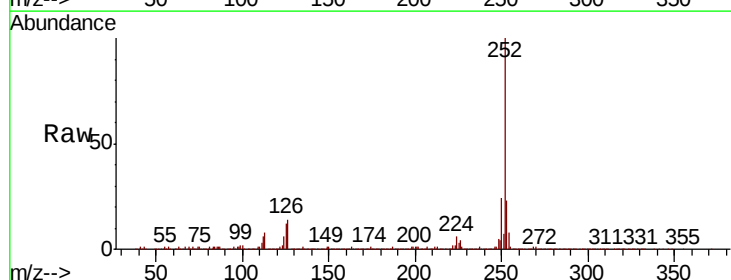
RT: 15.07 min Scan# 2208

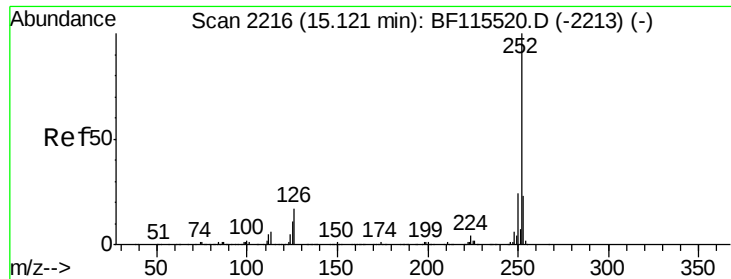
Delta R.T. -0.02 min

Lab File: BF115635.D

Acq: 17 Jul 2019 21:12

Tgt Ion:	252	Resp:	936127
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	12.0	9.0	13.4





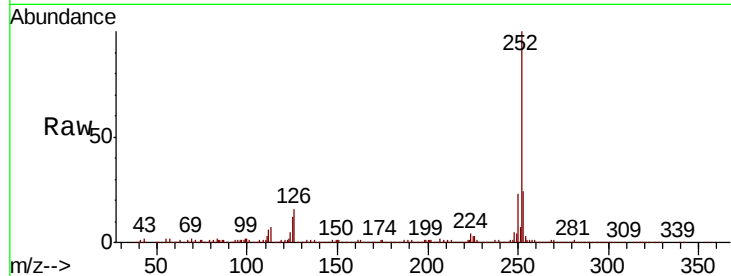
#89
Benzo(k)fluoranthene
Concen: 16.992 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Instrument :
BNA_F
ClientSampleId :
COMP-2_071619

Tot Ion	Ratio	Resp	Lower	Upper
252	100	335352		
253	24.2	18.6	28.0	
125	12.1	9.0	13.6	

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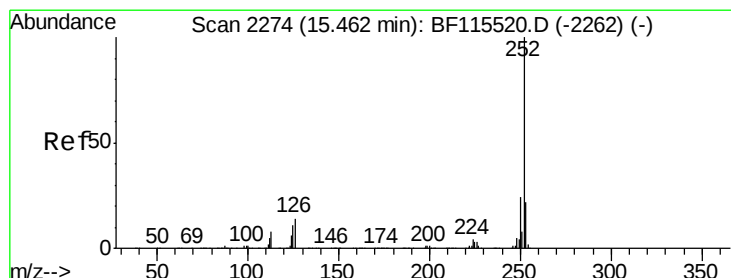
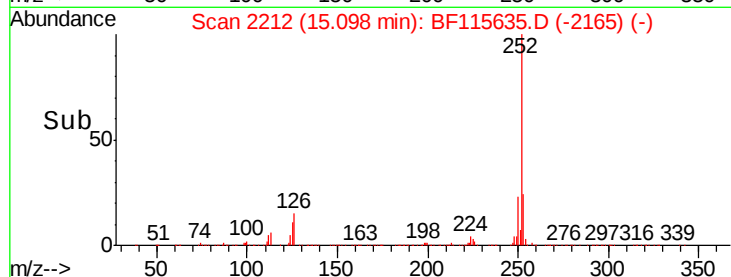
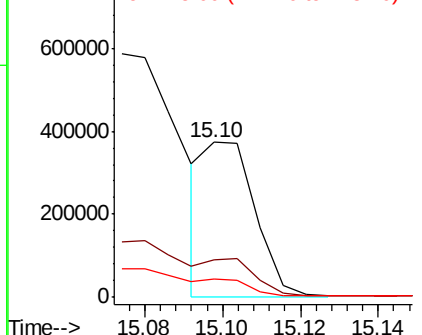


Abundance

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



#90
Benzo(a)pyrene
Concen: 33.430 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

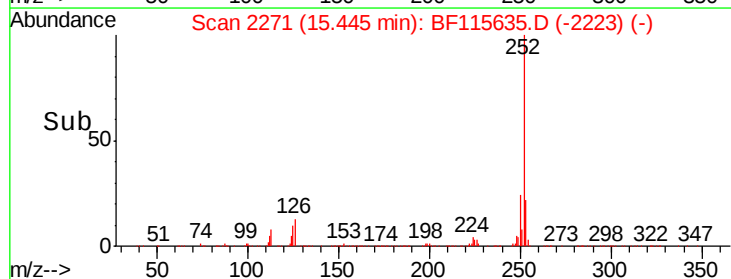
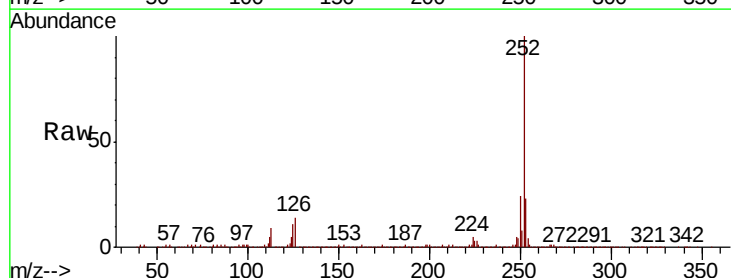
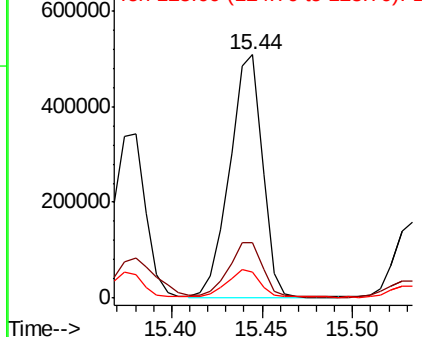
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	636041		
253	22.8	17.8	26.6	
125	10.7	9.1	13.7	

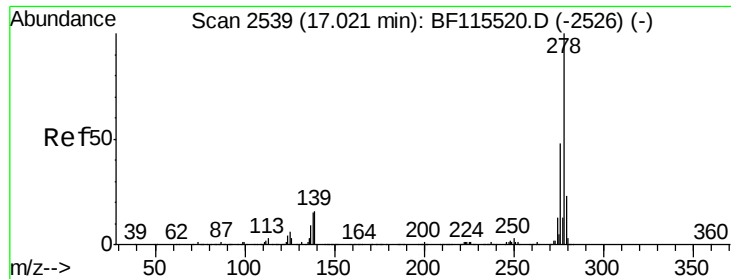
Abundance

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





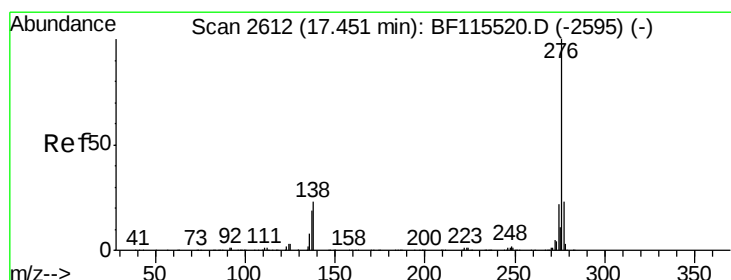
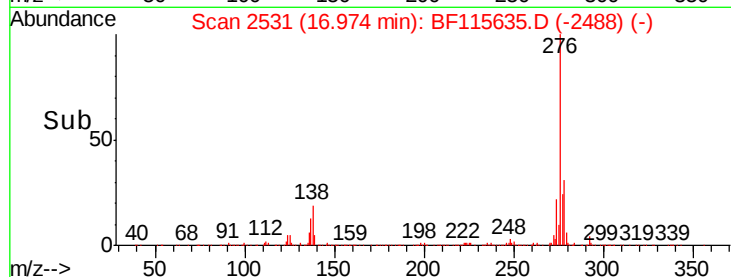
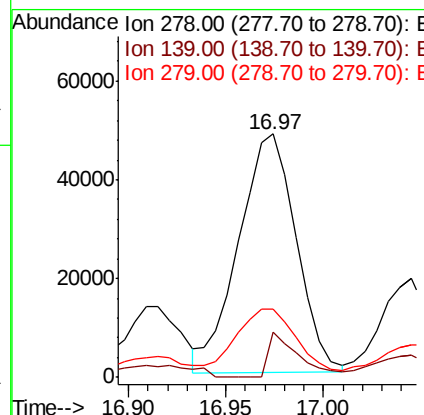
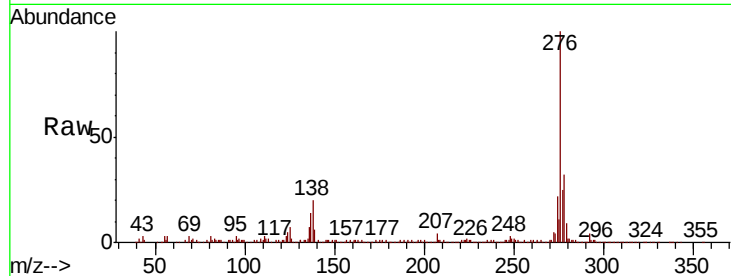
#91
Dibenzo(a,h)anthracene
Concen: 5.917 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.05 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Instrument :
BNA_F
ClientSampleId :
COMP-2_071619

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.7	13.1	19.7
279	28.1	19.6	29.4

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#92
Benzo(g,h,i)perylene
Concen: 18.537 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.04 min
Lab File: BF115635.D
Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	21.0	17.2	25.8

