

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116152.D
 Acq On : 10 Aug 2019 16:47
 Operator : HP/JU
 Sample : K3613-05DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WILDWOOD-AVE-PILEDL

Manual Integrations
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mohammad
 8/14/2019 2:54:45 AM

Quant Time: Aug 12 02:04:04 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	6.84	152	139641	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	573082	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	298946	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	454399	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	254328	20.00	ng	0.00
87) Perylene-d12	15.47	264	318111	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	83870	10.05	ng	0.00
7) Phenol-d6	6.48	99	124225	11.80	ng	0.00
23) Nitrobenzene-d5	7.41	82	81290	8.19	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	13218	4.56	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	175738	11.01	ng	-0.01
79) Terphenyl-d14	12.94	244	135596	11.23	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	79794	2.959	ng	98
38) 1-Methylnaphthalene	8.93	142	36297	2.160	ng	97
52) Acenaphthene	9.90	154	76212	4.848	ng	98
55) Dibenzofuran	10.08	168	88124	3.854	ng	96
58) Fluorene	10.42	166	85611	4.867	ng	98
71) Phenanthrene	11.39	178	1229918	52.946	ng	99
72) Anthracene	11.43	178	286510	12.187	ng	98
73) Carbazole	11.59	167	140011	6.564	ng	99
75) Fluoranthene	12.57	202	1333396	54.829	ng	97
78) Pyrene	12.80	202	1104034	57.587	ng	99
81) Benzo(a)anthracene	13.99	228	535811	32.961	ng	99
83) Chrysene	14.03	228	461050	29.214	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	239861	18.096	ng	96
88) Benzo(b)fluoranthene	15.04	252	592698m	32.223	ng	
89) Benzo(k)fluoranthene	15.07	252	192016m	10.718	ng	
90) Benzo(a)pyrene	15.41	252	411718	25.040	ng	99
91) Dibenzo(a,h)anthracene	16.94	278	62850m	4.416	ng	
92) Benzo(g,h,i)perylene	17.39	276	205406	14.695	ng	99

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

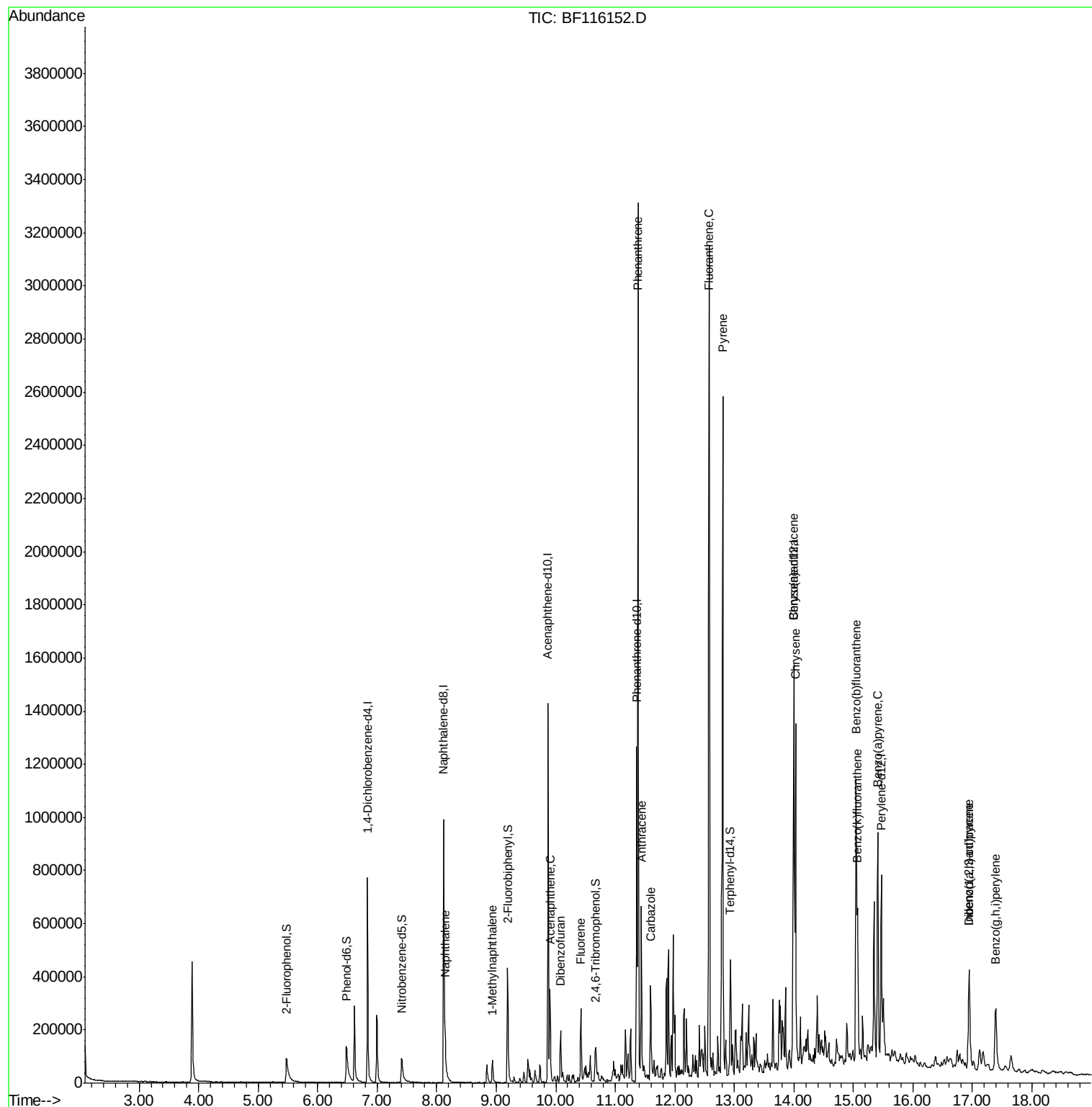
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116152.D
Acq On : 10 Aug 2019 16:47
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ALS Vial : 13 Sample Multiplier: 1

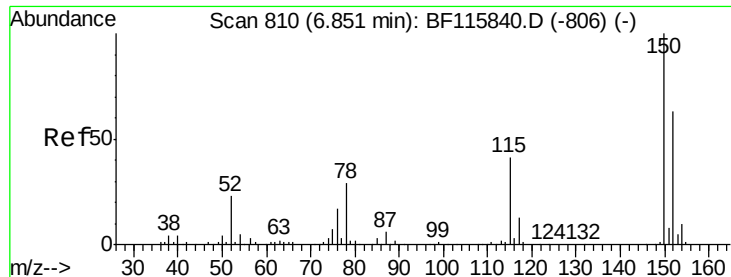
Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PIEDL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

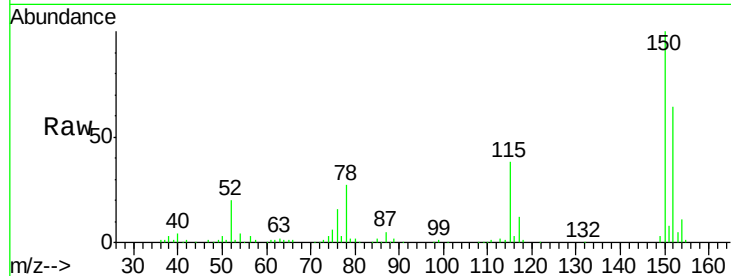
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILEDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	58.3	49.9	74.9

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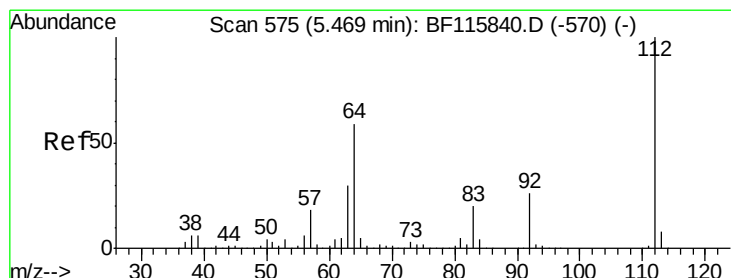
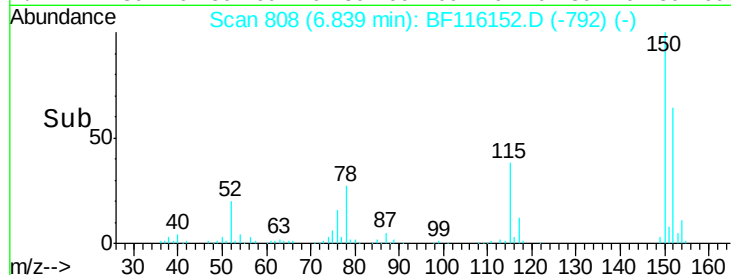
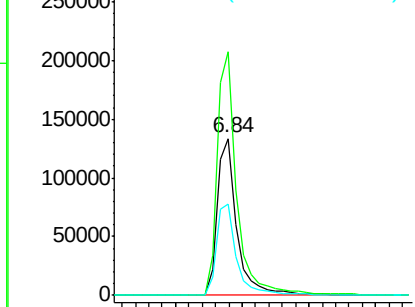


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

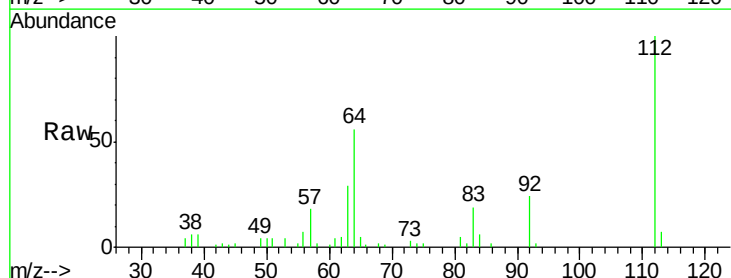
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.055 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.4	68.2
63	28.6	23.7	35.5

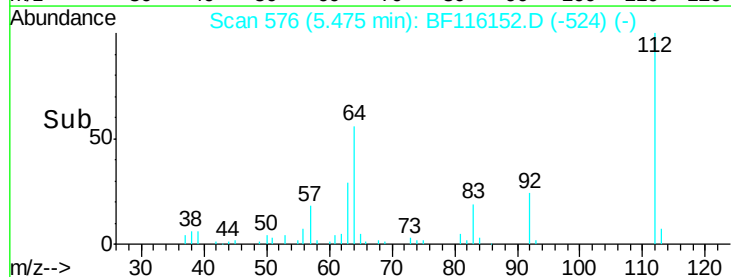
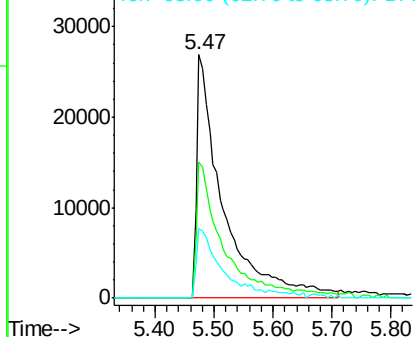


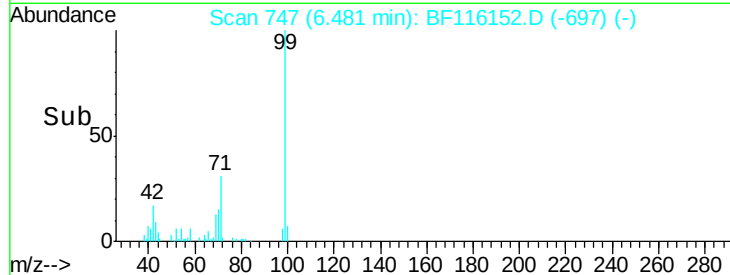
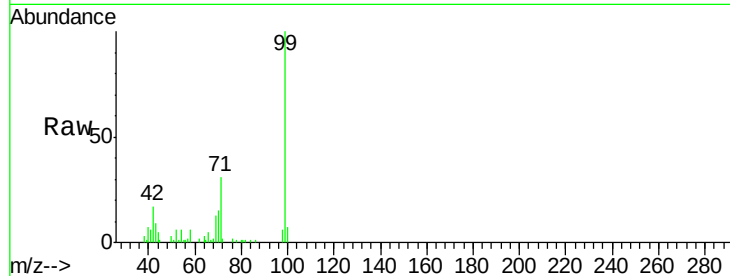
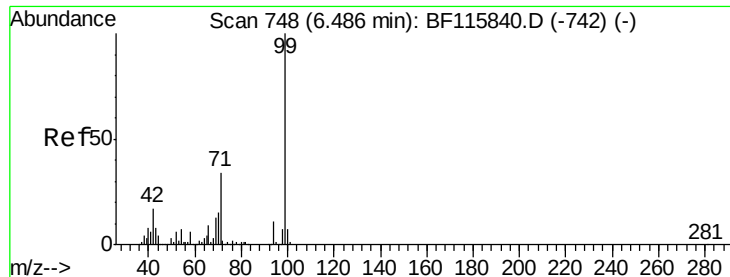
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 11.804 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Tot Ion:	99	Resp:	124225
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.8	20.8
71	31.3	27.3	40.9

Instrument :

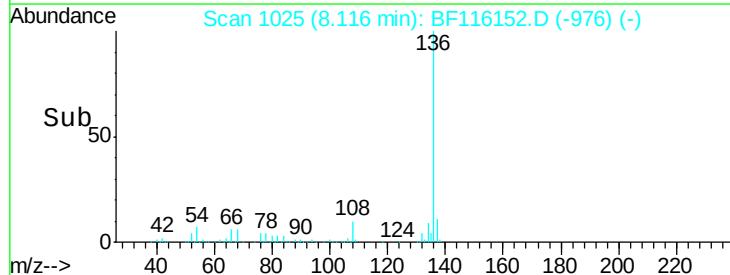
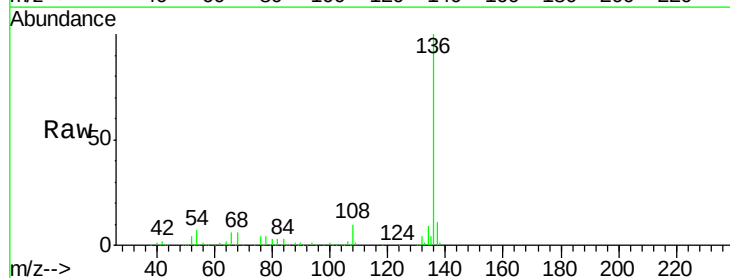
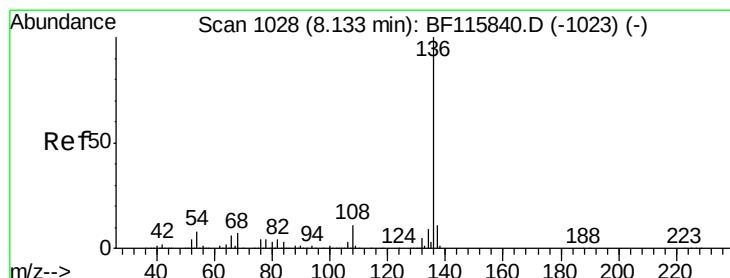
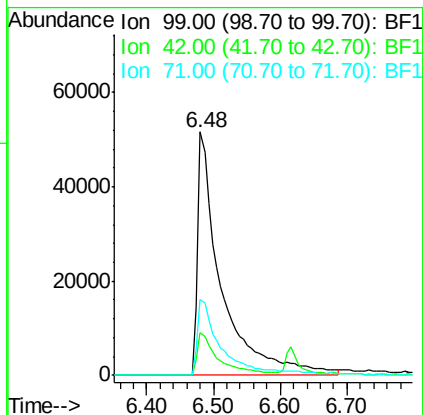
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

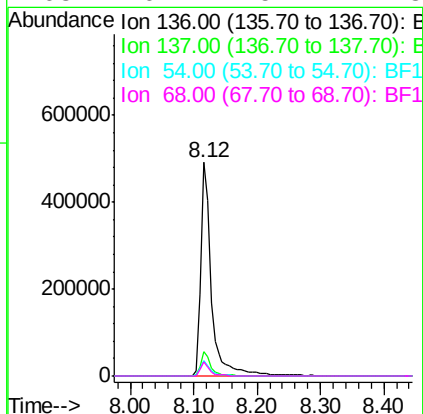
RT: 8.12 min Scan# 1025

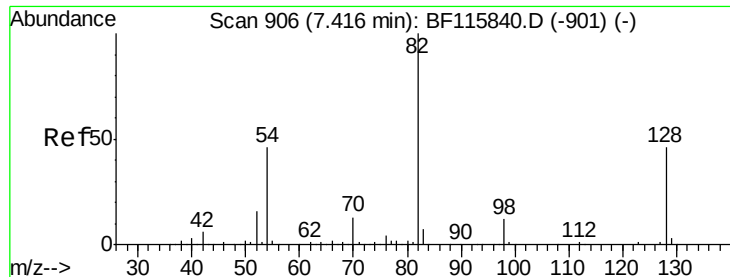
Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Tgt Ion:	136	Resp:	573082
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	7.2	5.8	8.6
68	6.4	5.2	7.8





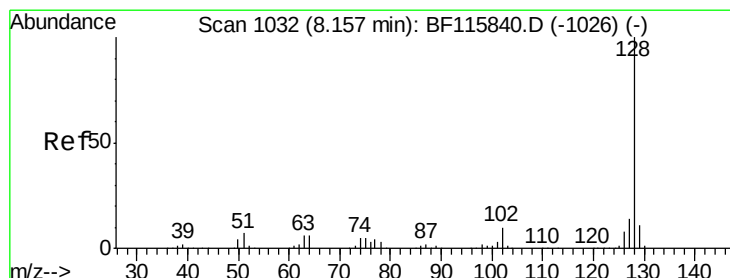
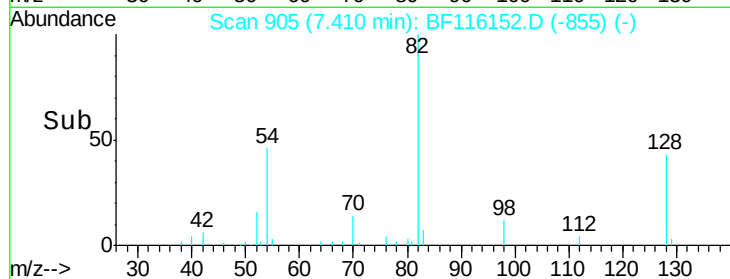
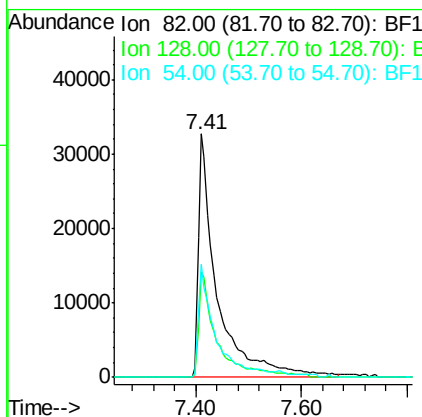
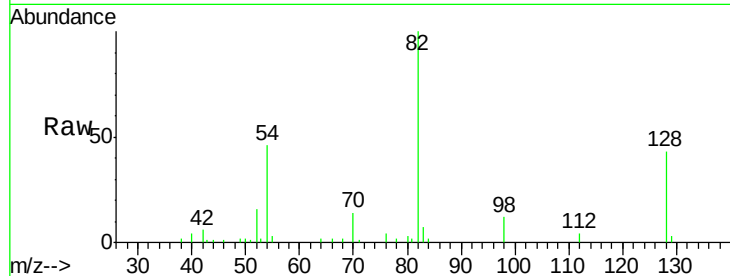
#23
 Nitrobenzene-d5
 Concen: 8.188 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF116152.D
 Acq: 10 Aug 2019 16:47

Instrument :
 BNA_F
 ClientSampleId :
 WILDWOOD-AVE-PIEDL

Tot Ion:	82	Resp:	81290
Ion Ratio	Lower	Upper	
82	100		
128	43.1	36.5	54.7
54	46.3	36.0	54.0

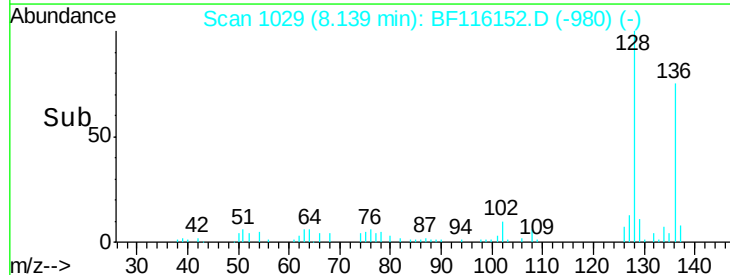
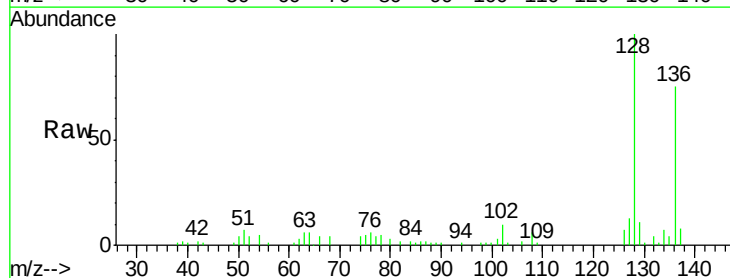
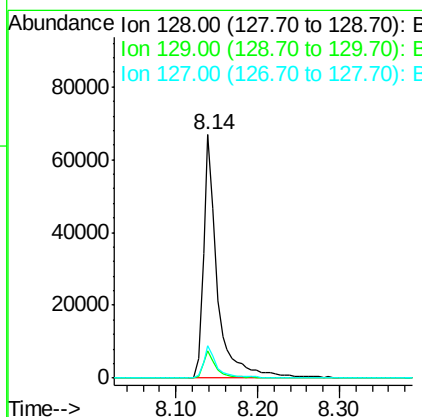
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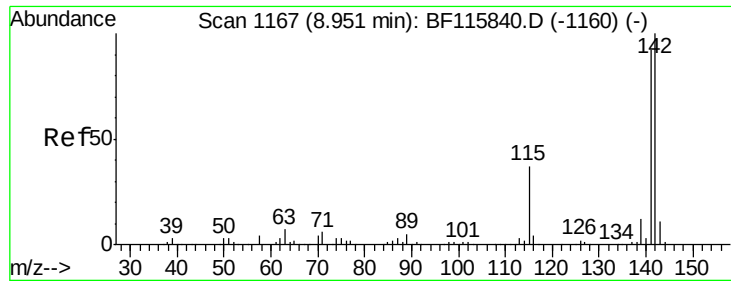
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#31
 Naphthalene
 Concen: 2.959 ng
 RT: 8.14 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF116152.D
 Acq: 10 Aug 2019 16:47

Tgt Ion:	128	Resp:	79794
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.3	13.9
127	13.1	11.4	17.0





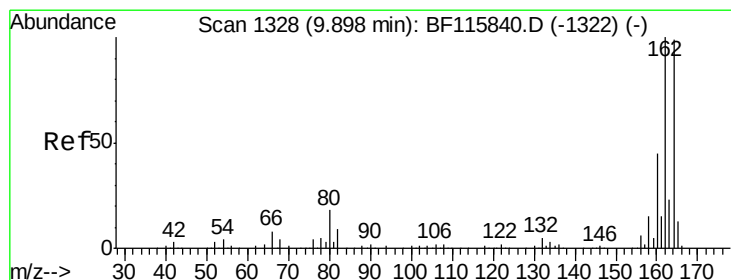
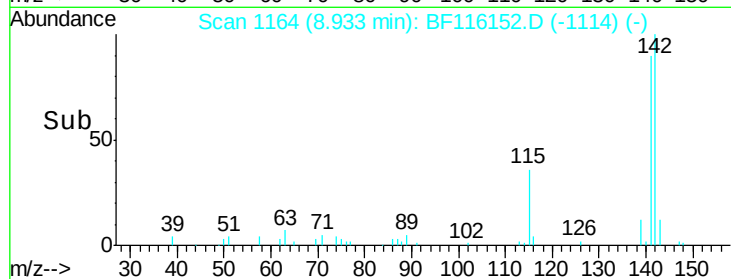
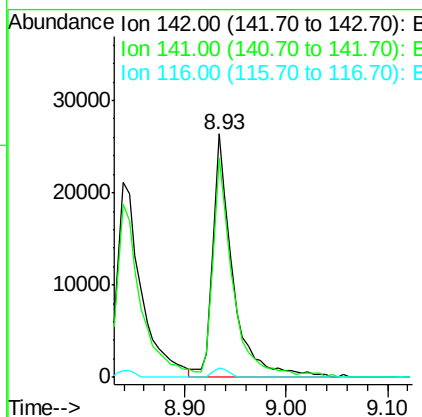
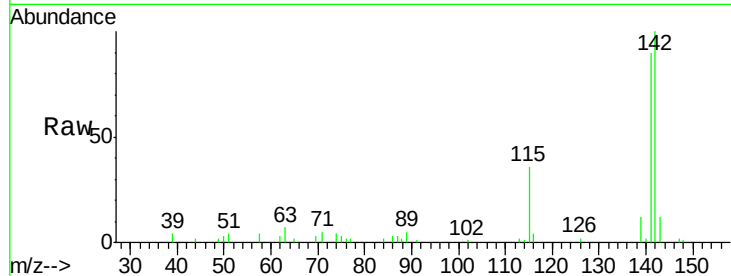
#38
1-Methylnaphthalene
Concen: 2.160 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PIEDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	74.4	111.6
116	3.7	3.1	4.7

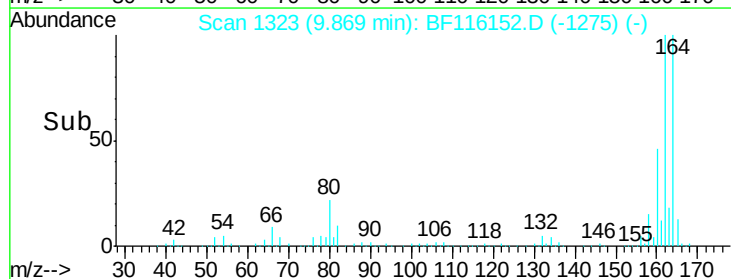
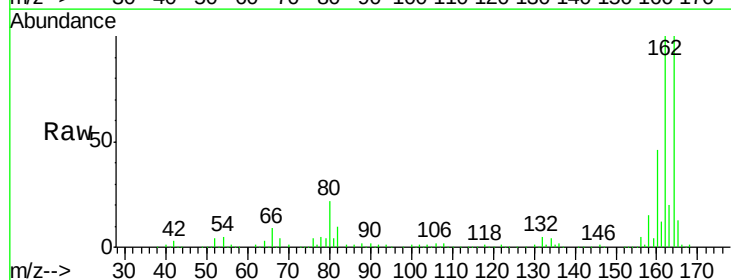
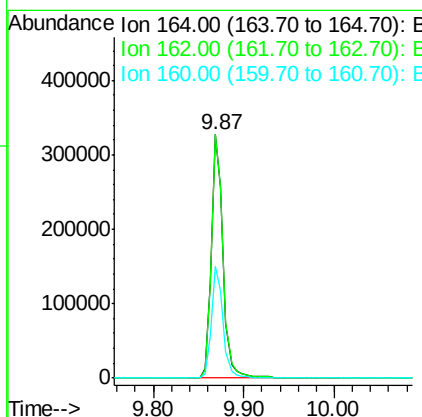
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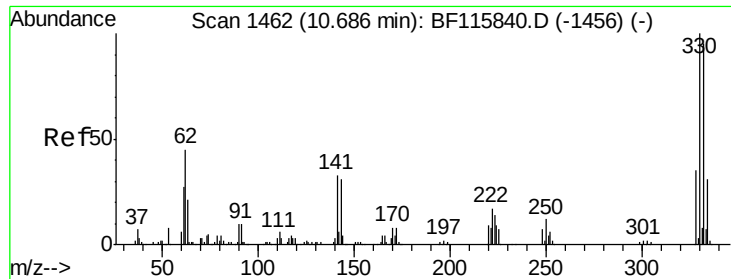
mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.6	124.0
160	45.9	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 4.561 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Instrument :

BNA_F

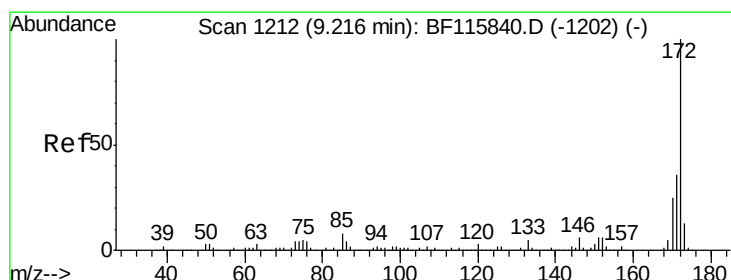
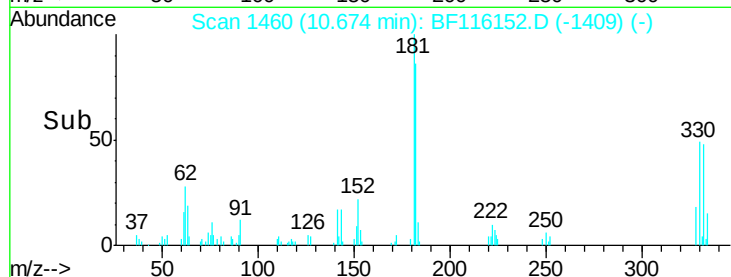
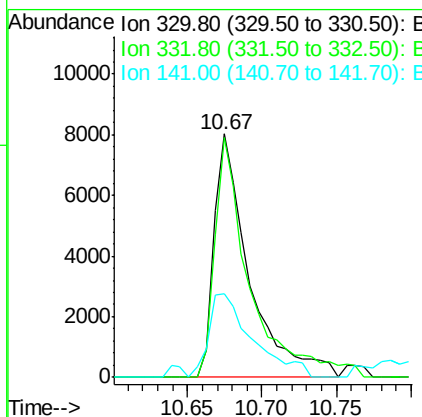
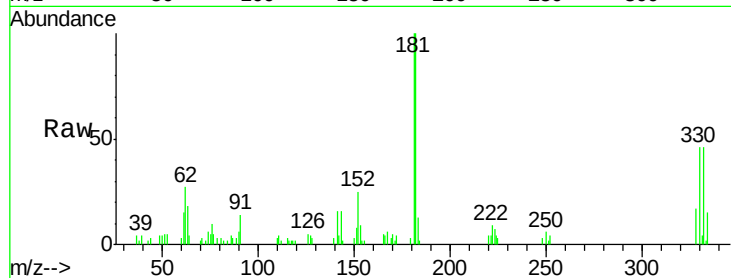
ClientSampleId :

WILDWOOD-AVE-PIEDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.8	115.2
141	42.8	26.3	39.5

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#45

2-Fluorobiphenyl

Concen: 11.011 ng

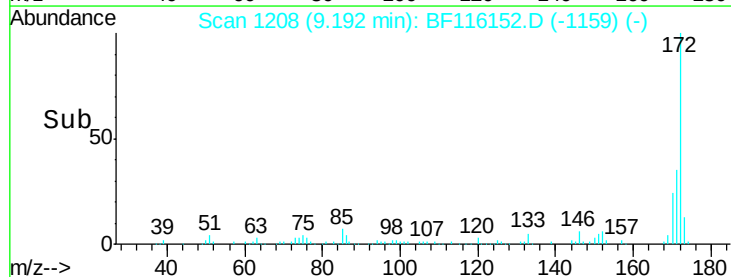
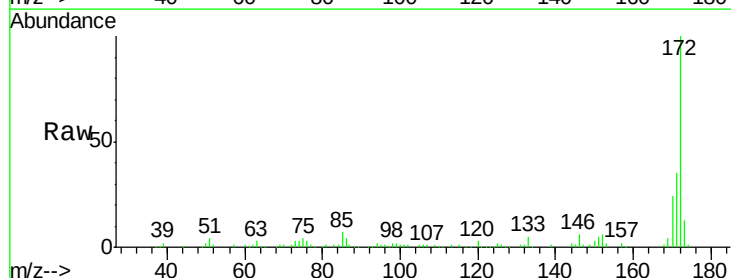
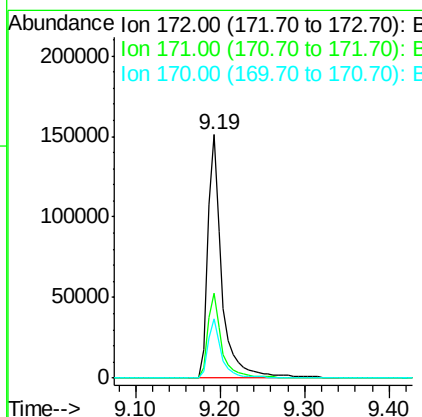
RT: 9.19 min Scan# 1208

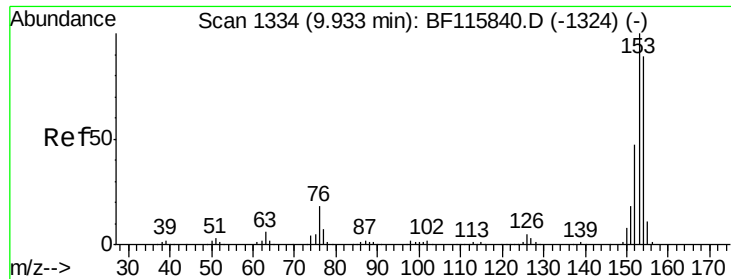
Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	24.3	20.1	30.1





#52

Acenaphthene

Concen: 4.848 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Instrument :

BNA_F

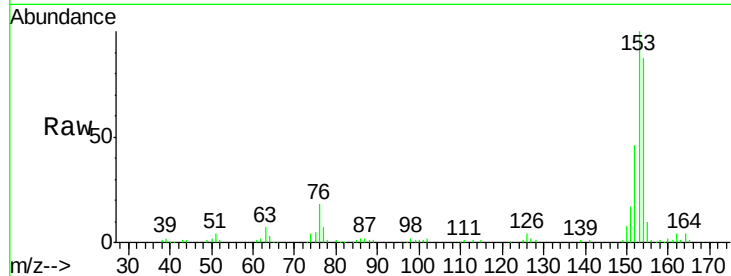
ClientSampleId :

WILDWOOD-AVE-PILEDL

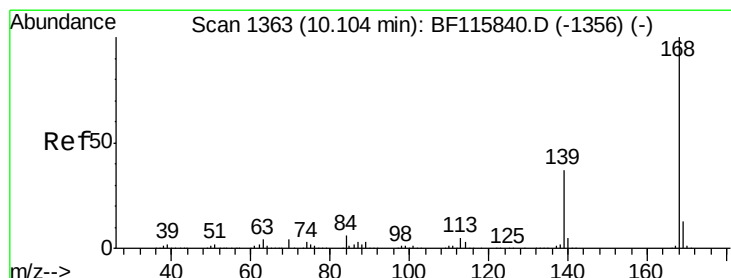
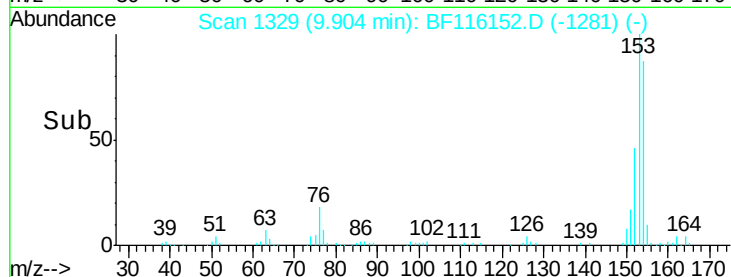
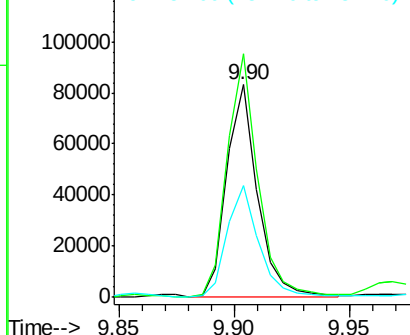
Tot Ion:	154	Resp:	76212
Ion Ratio	Lower	Upper	
154	100		
153	114.5	89.4	134.0
152	52.8	42.3	63.5

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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: 3.854 ng

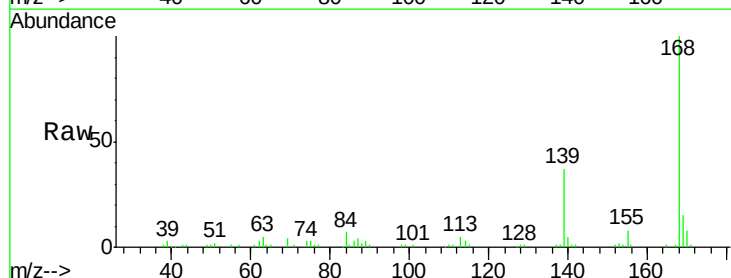
RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

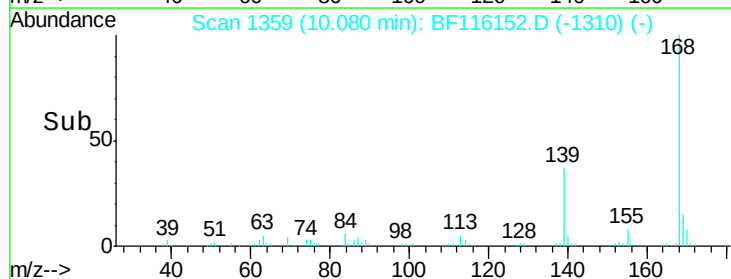
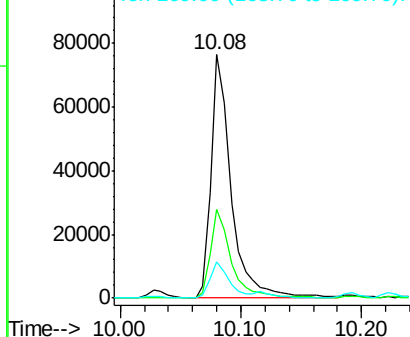
Lab File: BF116152.D

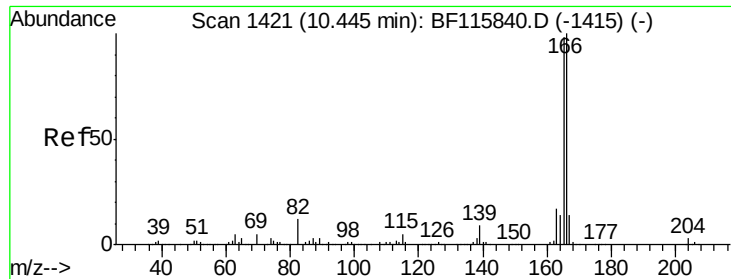
Acq: 10 Aug 2019 16:47

Tgt Ion:	168	Resp:	88124
Ion Ratio	Lower	Upper	
168	100		
139	36.7	31.4	47.2
169	14.9	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





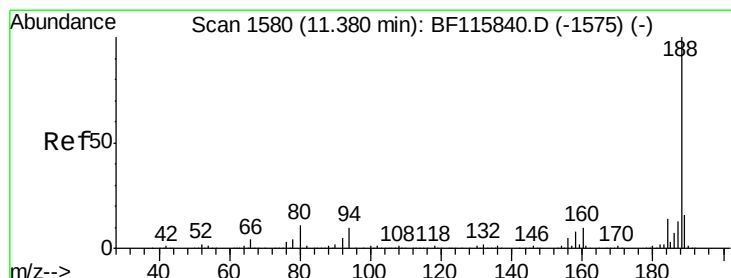
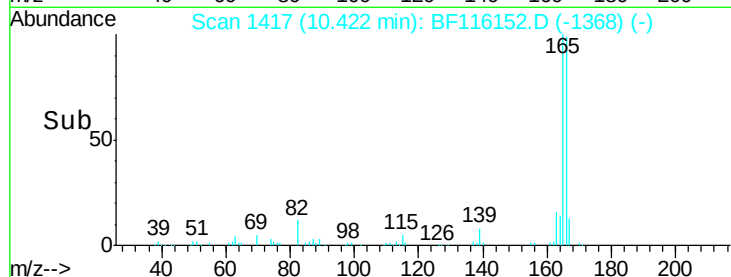
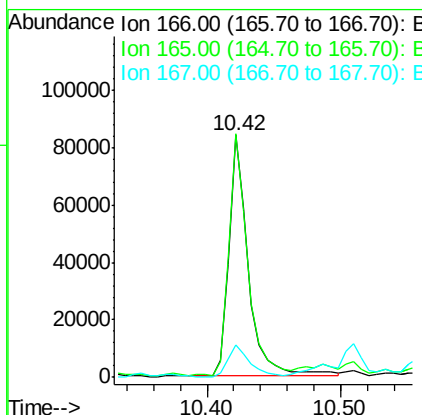
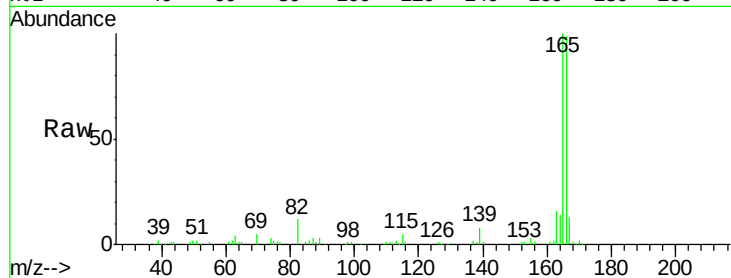
#58
 Fluorene
 Concen: 4.867 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF116152.D
 Acq: 10 Aug 2019 16:47

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		85611		
165	100.7	78.4	117.6		
167	13.5	11.0	16.4		

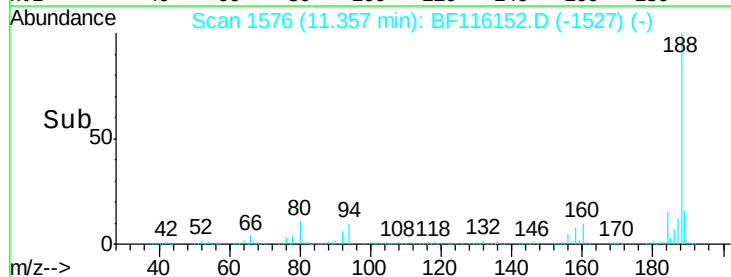
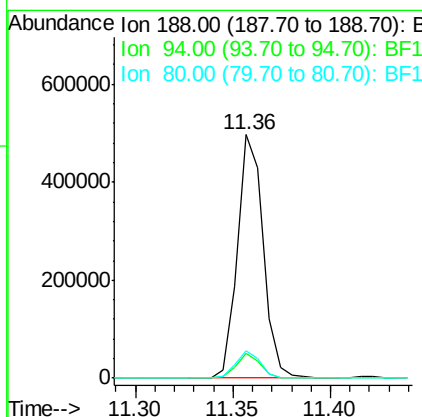
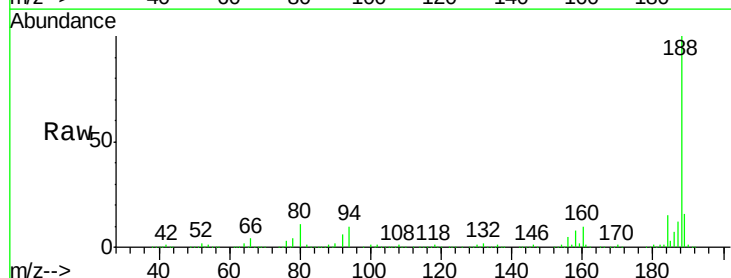
Manual Integrations
 APPROVED

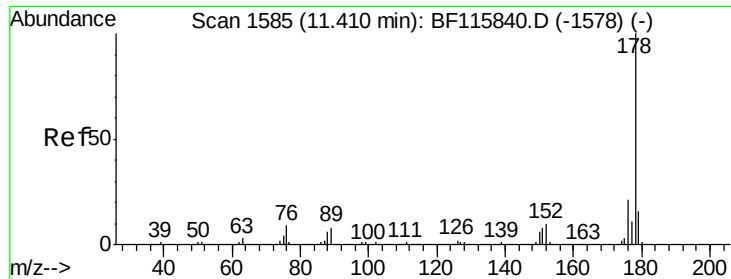
mohammad
 8/14/2019 2:54:45 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116152.D
 Acq: 10 Aug 2019 16:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		454399		
94	10.4	8.1	12.1		
80	11.2	8.7	13.1		





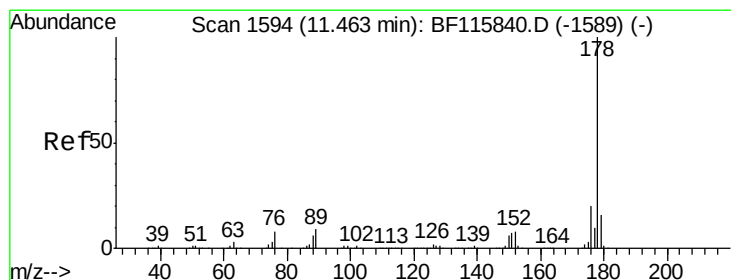
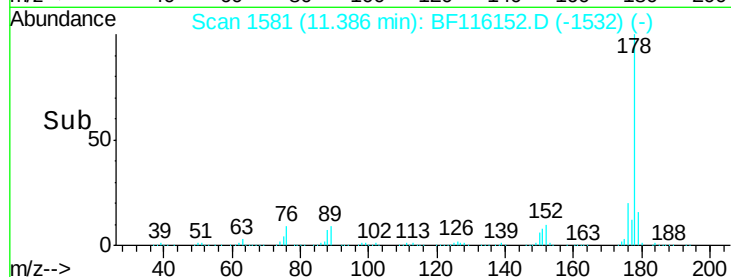
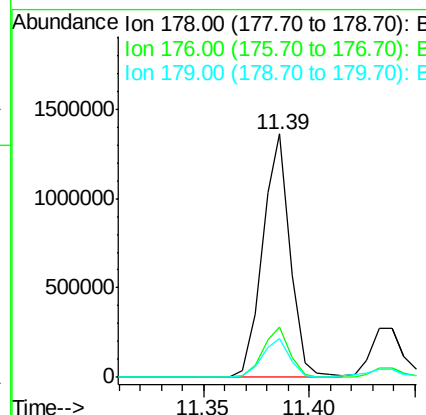
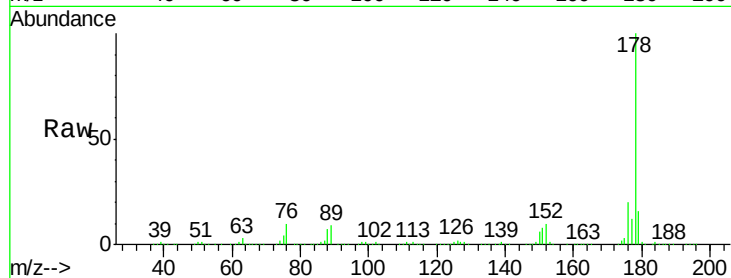
#71
Phenanthrene
Concen: 52.946 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PIEDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.6	24.8
179	15.9	12.5	18.7

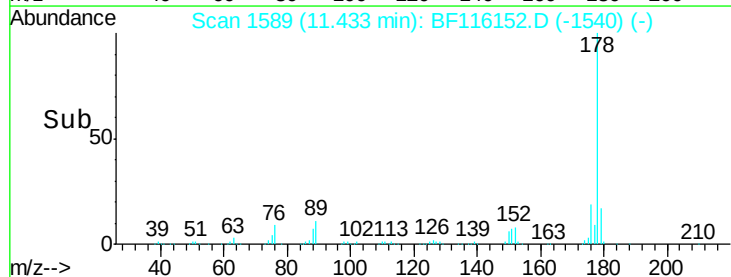
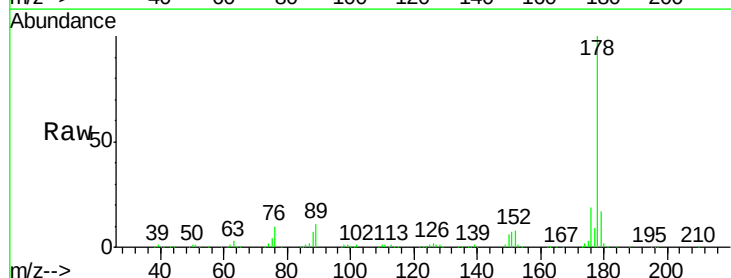
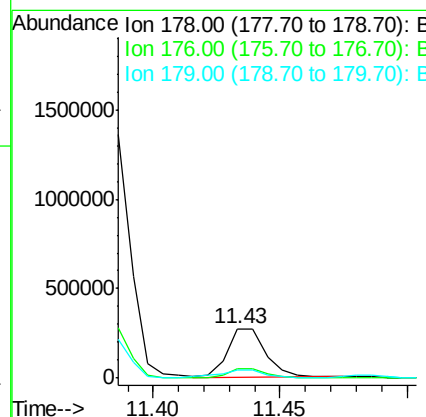
Manual Integrations
APPROVED

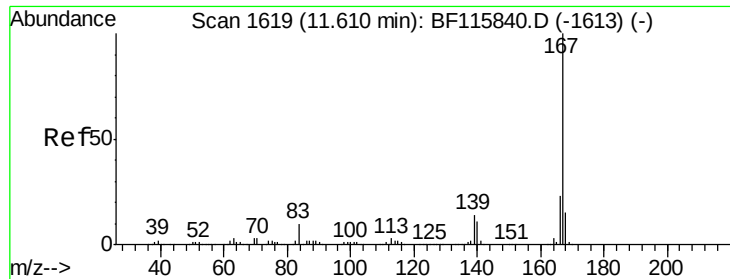
mohammad
8/14/2019 2:54:45 AM



#72
Anthracene
Concen: 12.187 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	17.4	13.0	19.6





#73

Carbazole

Concen: 6.564 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Instrument :

BNA_F

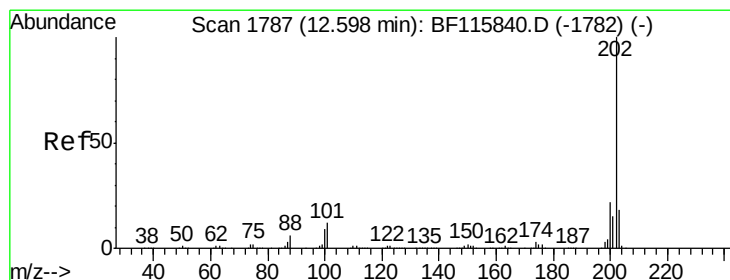
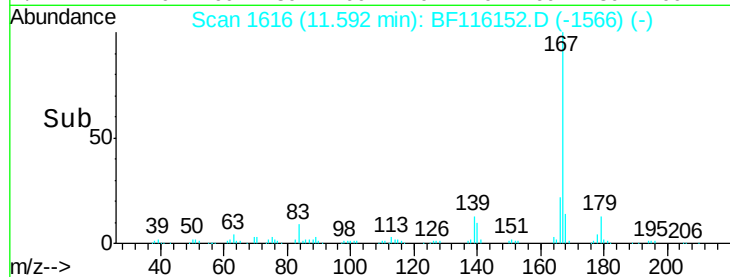
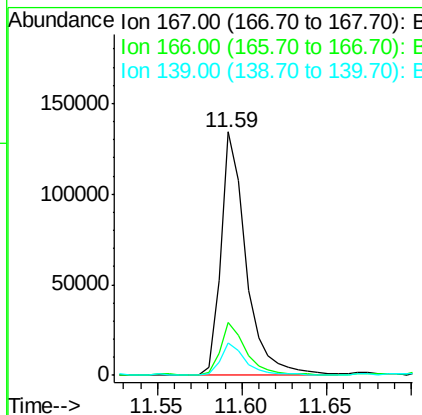
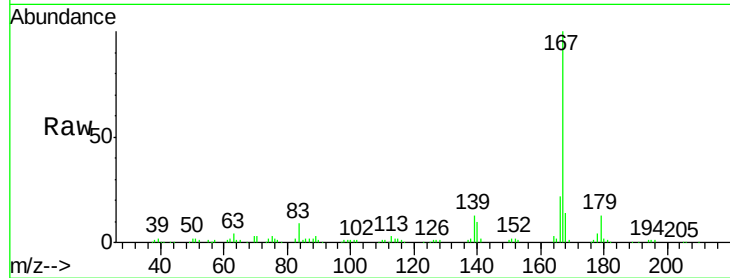
ClientSampleId :

WILDWOOD-AVE-PIEDL

Tot Ion:	167	Resp:	140011
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.8	26.6
139	13.4	11.4	17.0

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#75

Fluoranthene

Concen: 54.829 ng

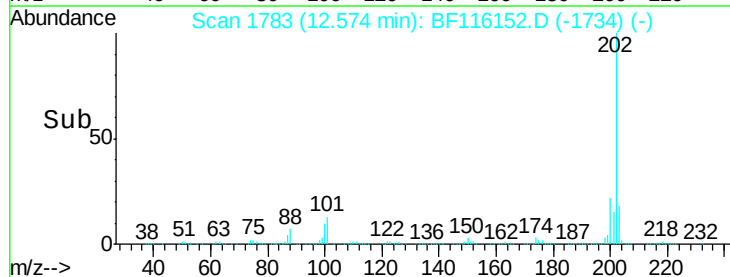
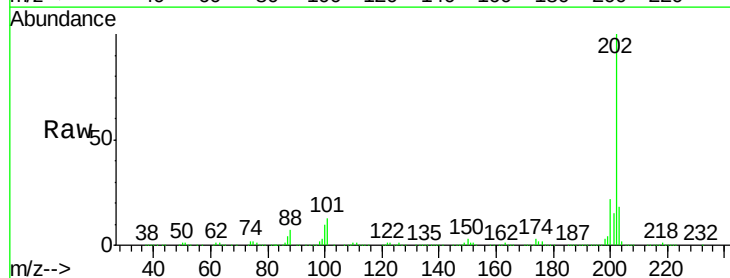
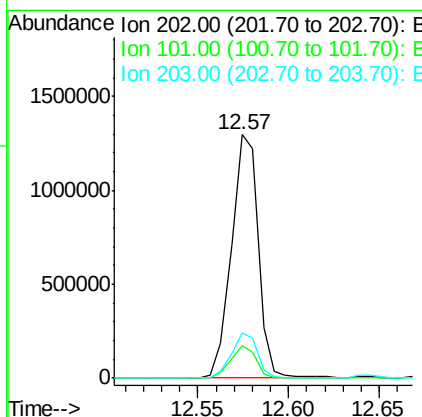
RT: 12.57 min Scan# 1783

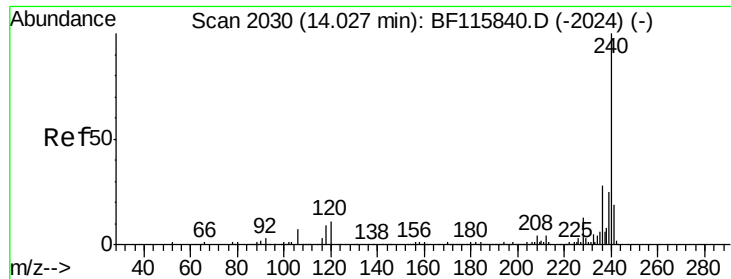
Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Tgt Ion:	202	Resp:	1333396
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	31.2
203	18.5	0.0	37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Instrument :

BNA_F

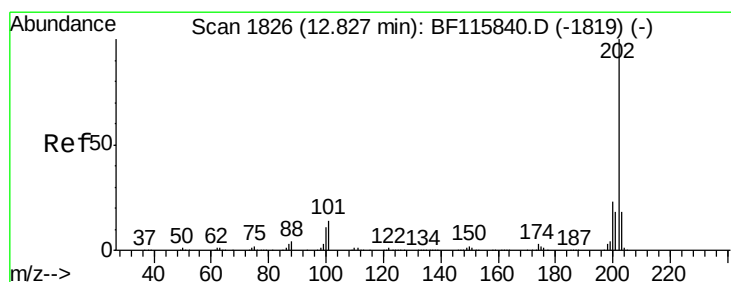
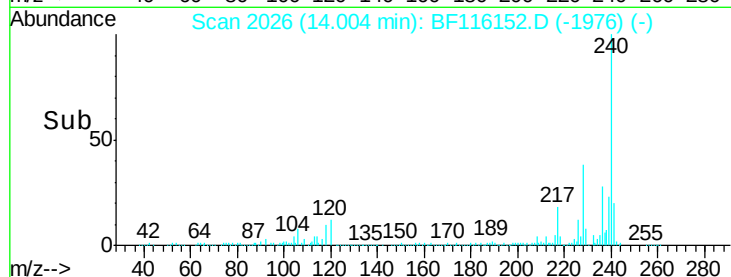
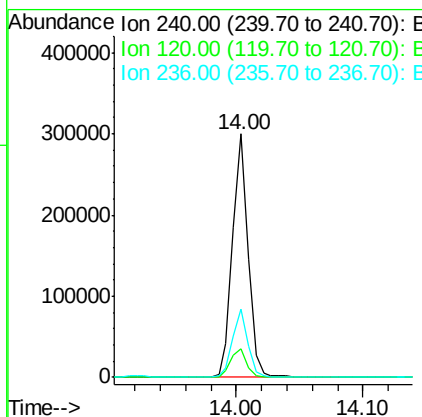
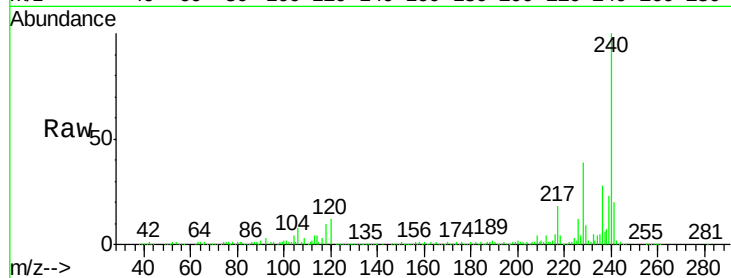
ClientSampleId :

WILDWOOD-AVE-PILEDL

Tot Ion:	240	Resp:	254328
Ion Ratio	Lower	Upper	
240	100		
120	11.7	10.7	16.1
236	28.1	22.2	33.2

Manual Integrations
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#78

Pyrene

Concen: 57.587 ng

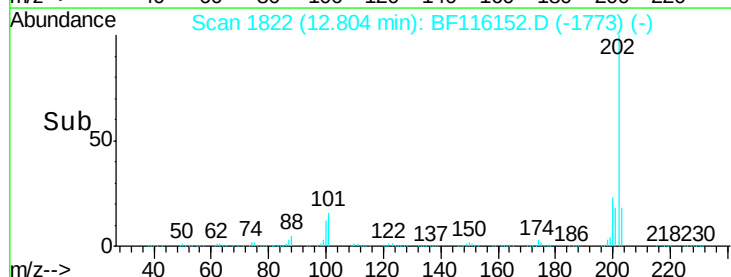
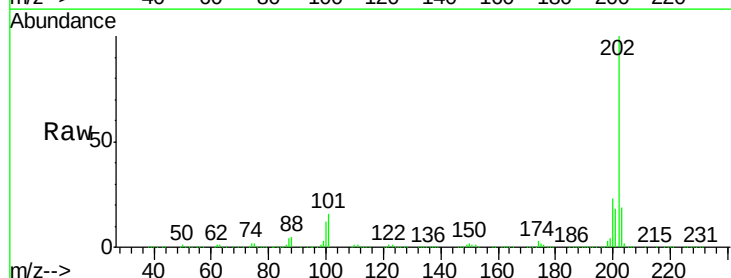
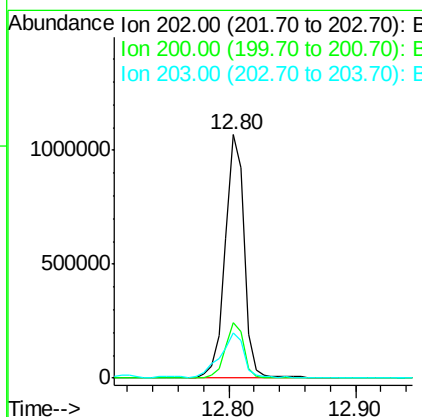
RT: 12.80 min Scan# 1822

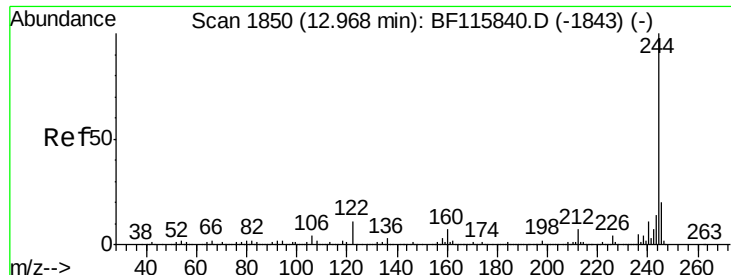
Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Tgt Ion:	202	Resp:	1104034
Ion Ratio	Lower	Upper	
202	100		
200	22.7	18.0	27.0
203	18.6	14.1	21.1





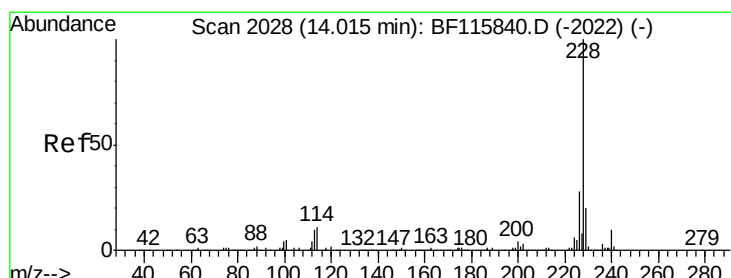
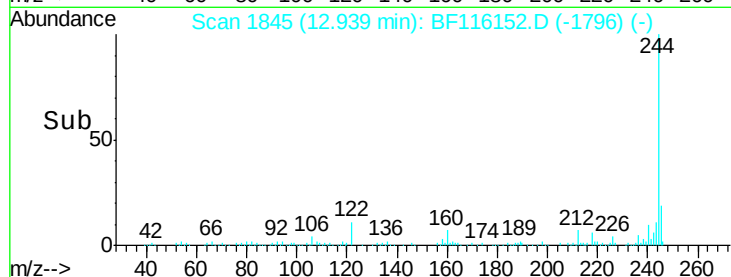
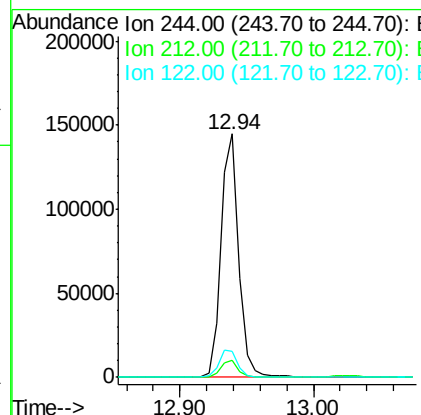
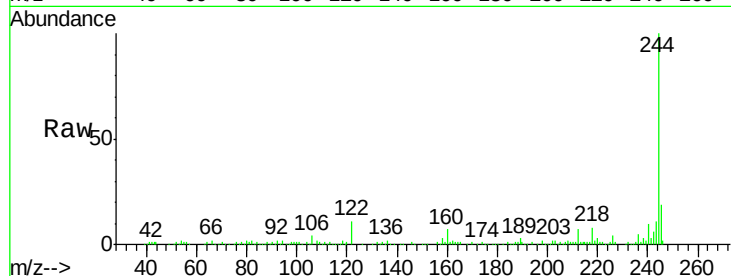
#79
 Terphenyl-d14
 Concen: 11.234 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116152.D
 Acq: 10 Aug 2019 16:47

Instrument :
 BNA_F
 ClientSampleId :
 WILDWOOD-AVE-PIEDL

Tot Ion:	244	Resp:	135596
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.8
122	10.6	9.0	13.4

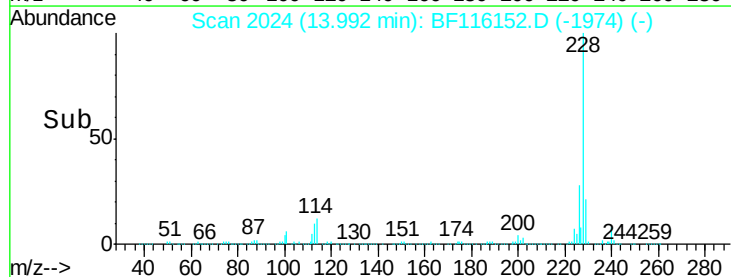
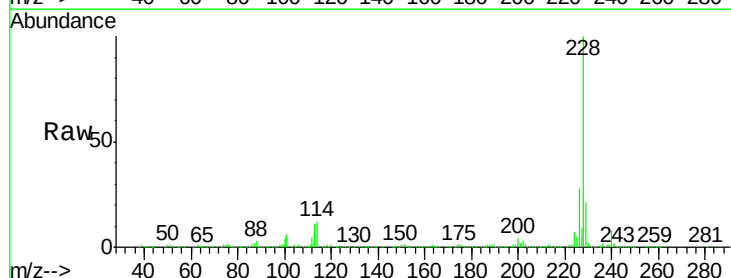
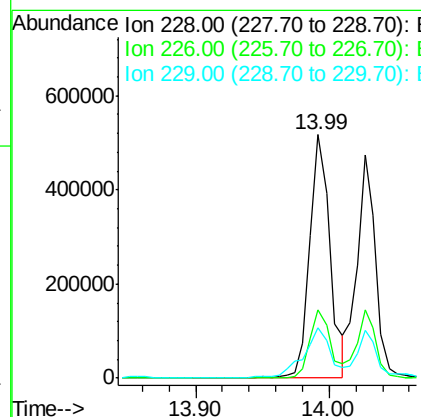
Manual Integrations
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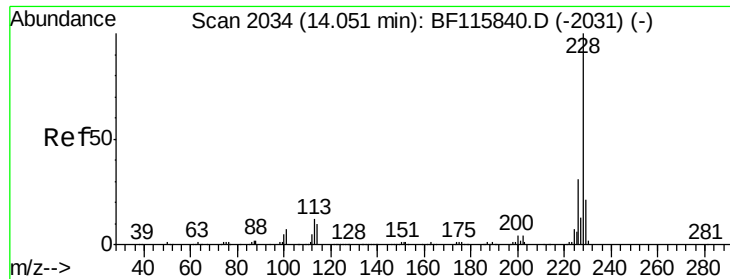
mohammad
 8/14/2019 2:54:45 AM



#81
 Benzo(a)anthracene
 Concen: 32.961 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116152.D
 Acq: 10 Aug 2019 16:47

Tgt Ion:	228	Resp:	535811
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.7	34.1
229	20.9	16.2	24.4





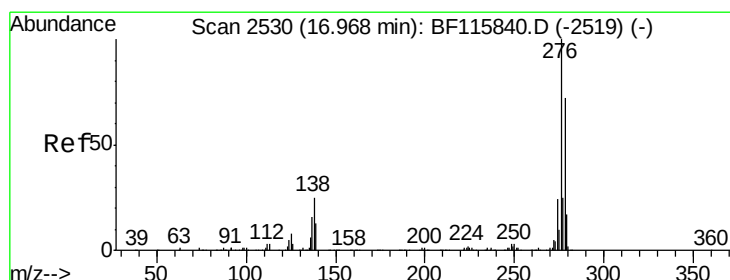
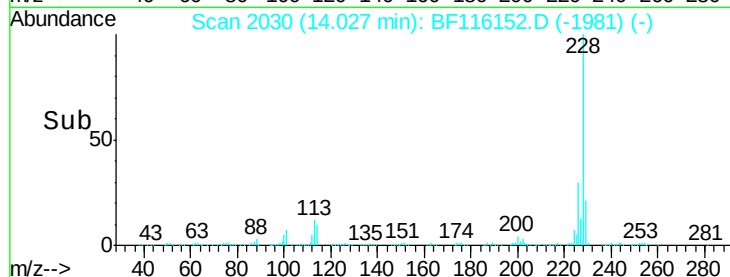
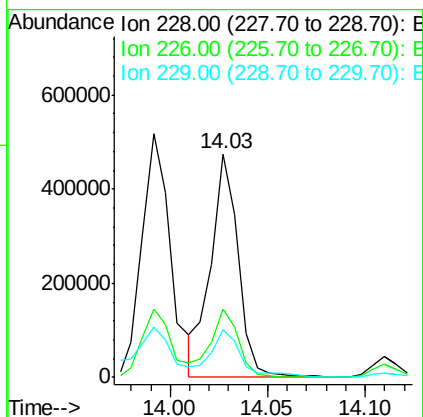
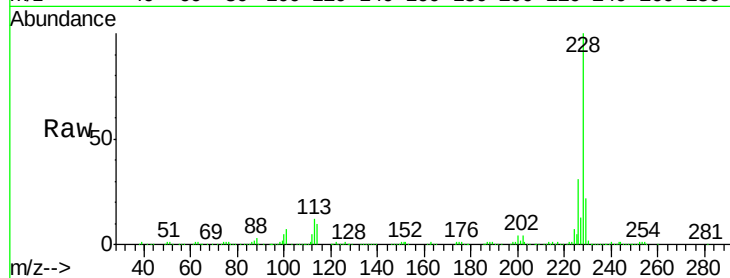
#83
Chrysene
Concen: 29.214 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PIEDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.5	38.3
229	21.5	16.6	24.8

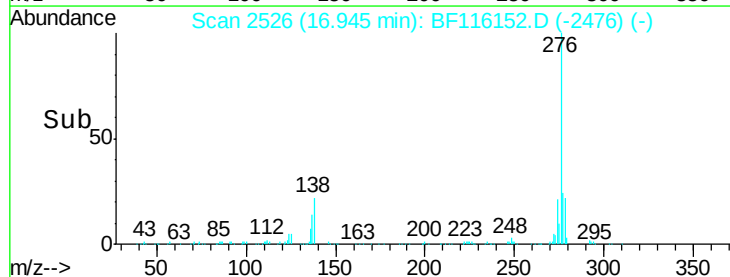
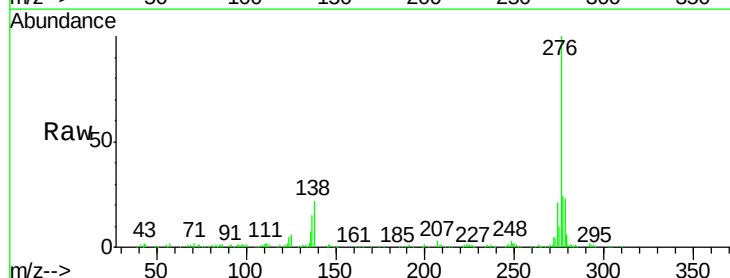
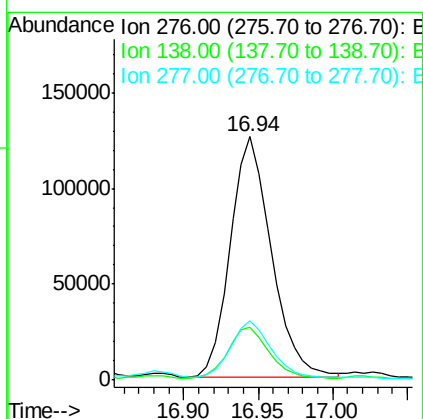
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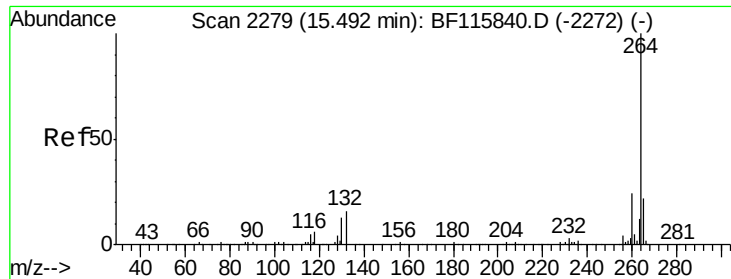
mohammad
8/14/2019 2:54:45 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 18.096 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.4	30.6
277	24.4	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Instrument :

BNA_F

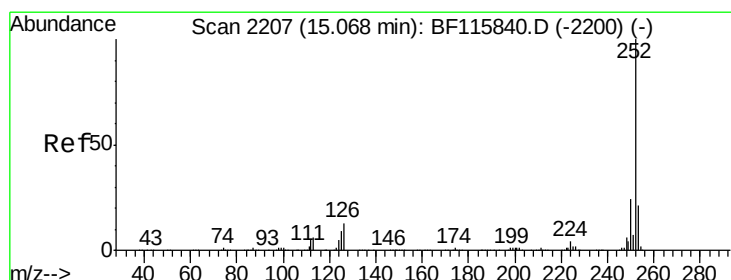
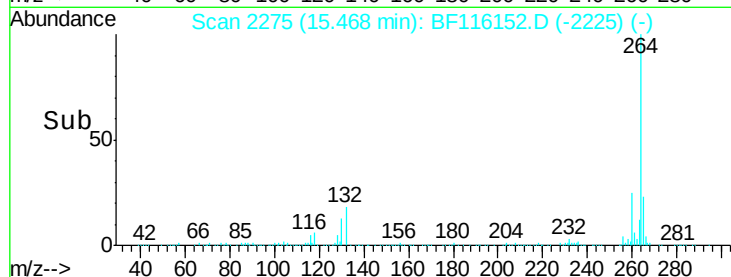
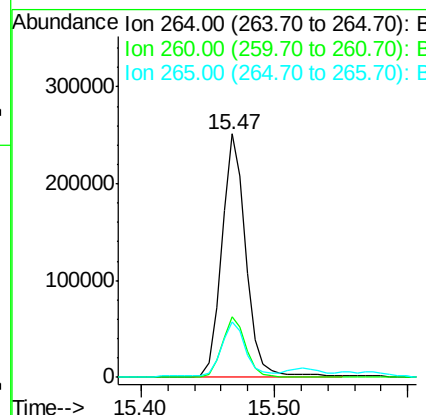
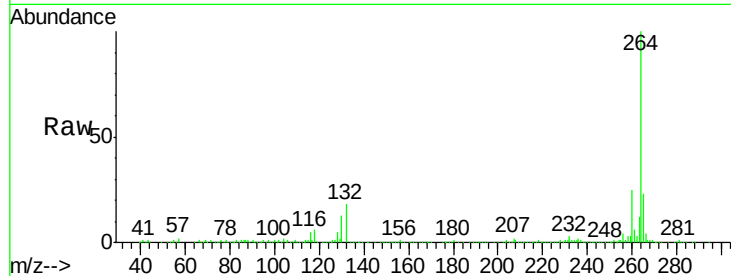
ClientSampleId :

WILDWOOD-AVE-PIEDL

Tot Ion:	264	Resp:	318111
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.7	29.5
265	22.9	17.4	26.0

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#88

Benzo(b)fluoranthene

Concen: 32.223 ng m

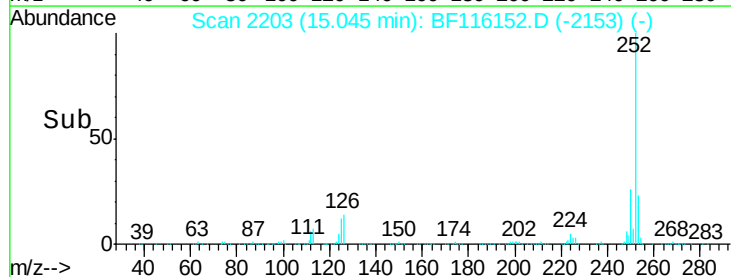
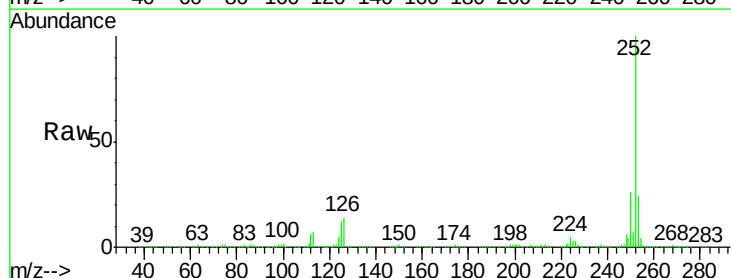
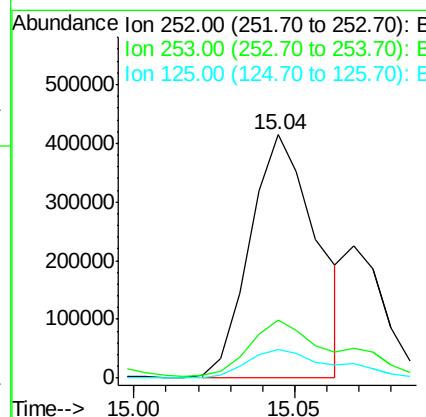
RT: 15.04 min Scan# 2203

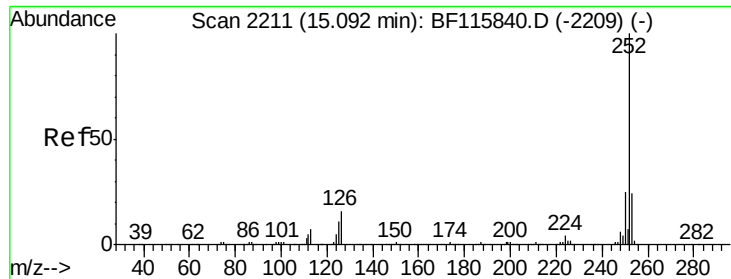
Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Tgt Ion:	252	Resp:	592698
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	11.7	8.4	12.6





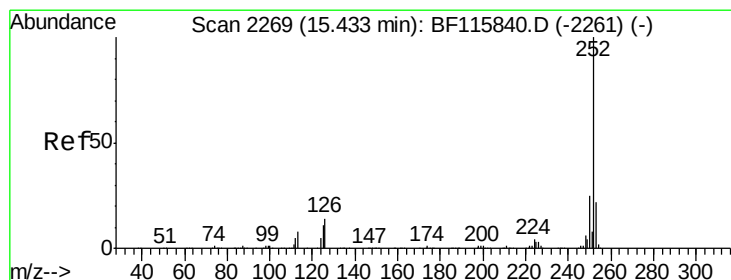
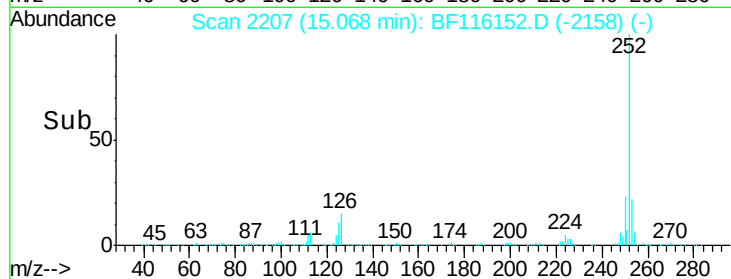
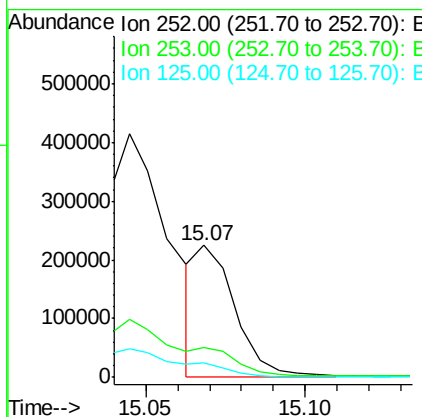
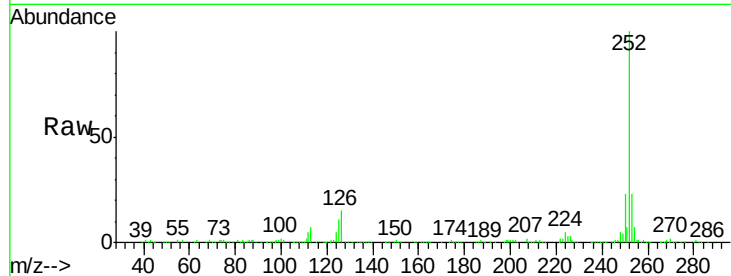
#89
Benzo(k)fluoranthene
Concen: 10.718 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	10.9	7.7	11.5

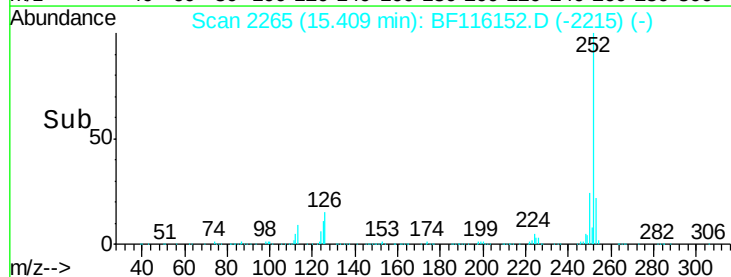
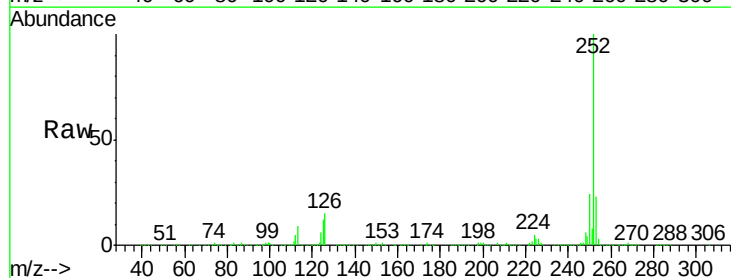
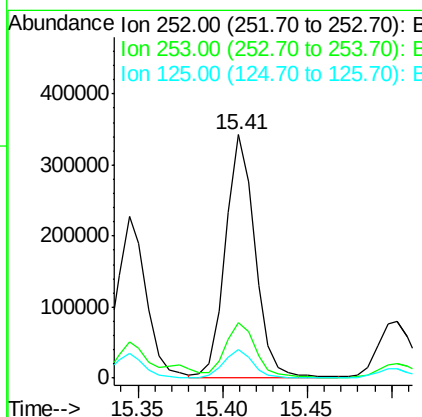
Manual Integrations
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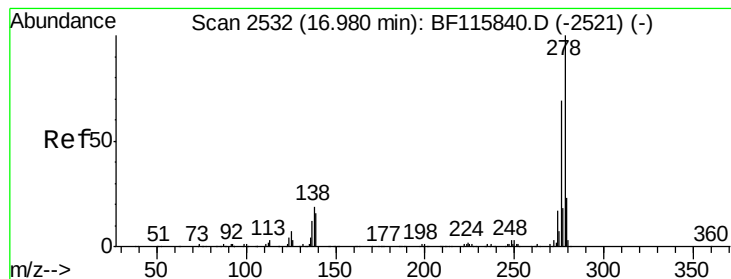
mohammad
8/14/2019 2:54:45 AM



#90
Benzo(a)pyrene
Concen: 25.040 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116152.D
Acq: 10 Aug 2019 16:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.6	8.9	13.3





#91

Dibenzo(a,h)anthracene

Concen: 4.416 ng/mL

RT: 16.94 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Instrument :

BNA_F

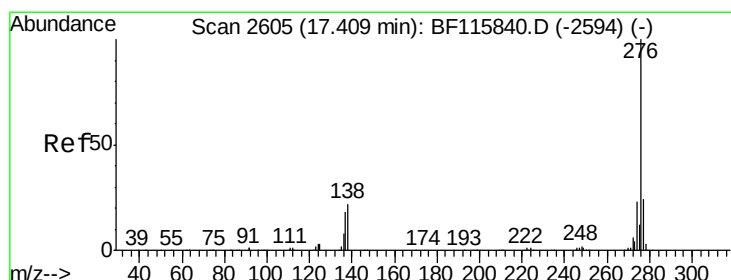
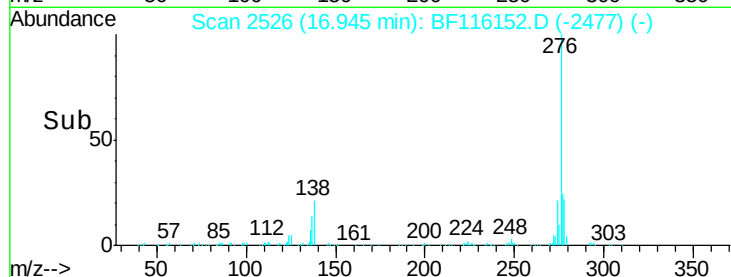
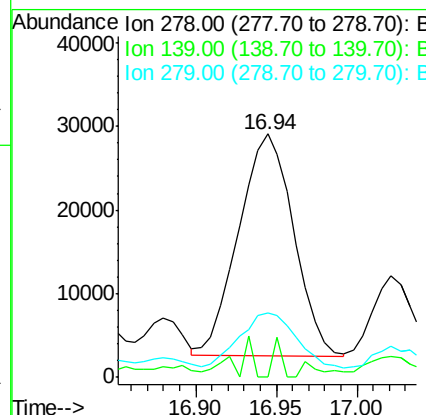
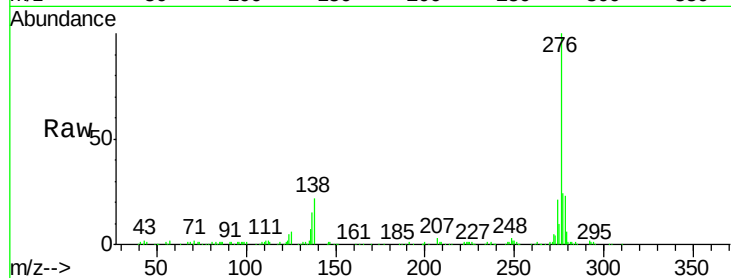
ClientSampleId :

WILDWOOD-AVE-PILEDL

Tot Ion:278	Resp:	62850
Ion Ratio	Lower	Upper
278	100	
139	0.0	12.8 19.2#
279	26.5	18.8 28.2

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 14.695 ng/mL

RT: 17.39 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BF116152.D

Acq: 10 Aug 2019 16:47

Tgt Ion:276	Resp:	205406
Ion Ratio	Lower	Upper
276	100	
277	24.1	18.4 27.6
138	21.1	17.0 25.6

