

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116127.D
 Acq On : 9 Aug 2019 22:00
 Operator : HP/JU
 Sample : K3613-05 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WILDWOOD-AVE-PILE

Manual Integrations
 APPROVED

Sohil
 8/13/2019 7:18:04 AM

Quant Time: Aug 10 06:27:40 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	120241	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	473280	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	227662	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	336935	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	255787	20.00	ng	0.00
87) Perylene-d12	15.47	264	333113	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	155369	21.63	ng	0.00
7) Phenol-d6	6.47	99	211551	23.34	ng	-0.01
23) Nitrobenzene-d5	7.40	82	122033	14.88	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	38938	17.64	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	258160	21.24	ng	-0.02
79) Terphenyl-d14	12.94	244	209192	17.23	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	124006	5.568	ng	98
37) 2-Methylnaphthalene	8.83	142	52687	3.592	ng	97
38) 1-Methylnaphthalene	8.93	142	52909	3.813	ng	97
49) Acenaphthylene	9.73	152	42917	2.199	ng	97
52) Acenaphthene	9.90	154	110996	9.271	ng	98
55) Dibenzofuran	10.08	168	125323	7.198	ng	98
58) Fluorene	10.42	166	123889	9.248	ng	98
71) Phenanthrene	11.39	178	1572266	91.279	ng	99
72) Anthracene	11.43	178	395284	22.675	ng	99
73) Carbazole	11.59	167	201498	12.741	ng	99
75) Fluoranthene	12.58	202	1853954	102.811	ng	97
78) Pylene	12.81	202	1624667	84.260	ng	98
81) Benzo(a)anthracene	13.99	228	978861	59.873	ng	99
83) Chrysene	14.03	228	889914	56.067	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	429907	32.248	ng	96
88) Benzo(b)fluoranthene	15.05	252	1249802m	64.888	ng	
89) Benzo(k)fluoranthene	15.07	252	324848m	17.316	ng	
90) Benzo(a)pyrene	15.42	252	801157	46.531	ng	97
91) Dibenzo(a,h)anthracene	16.94	278	124457m	8.351	ng	
92) Benzo(a,h,i)perylene	17.39	276	362527	24.768	ng	98

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

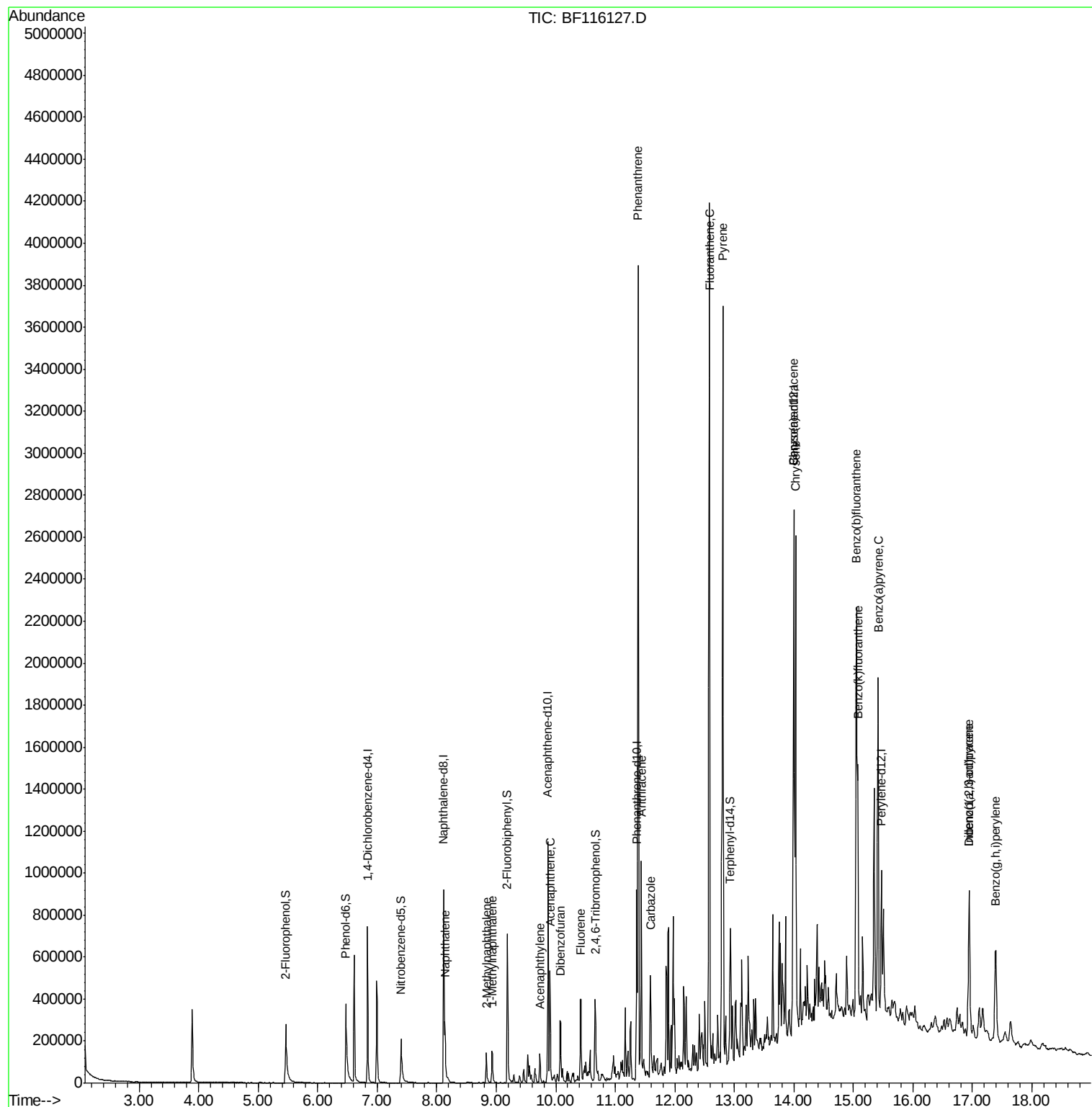
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
Data File : BF116127.D
Acq On : 9 Aug 2019 22:00
Operator : HP/JU
Sample : K3613-05 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

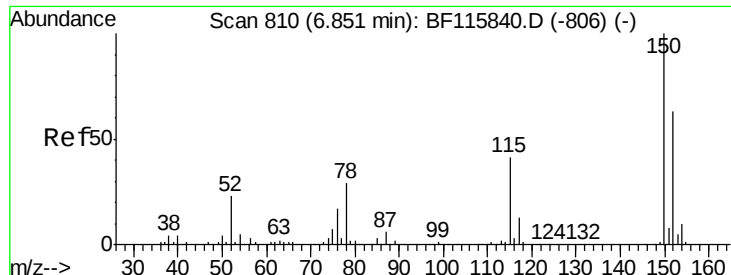
Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

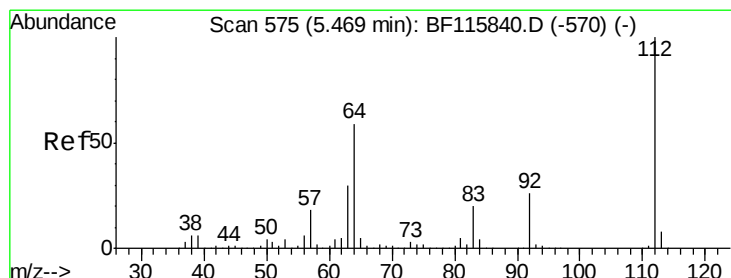
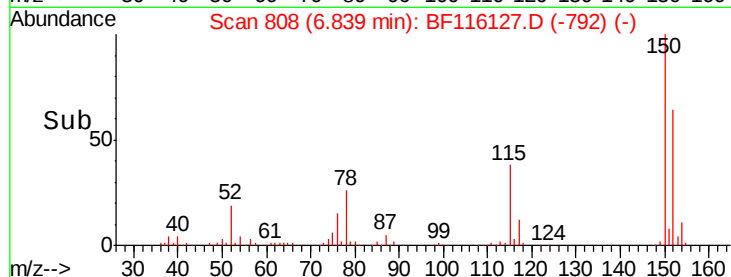
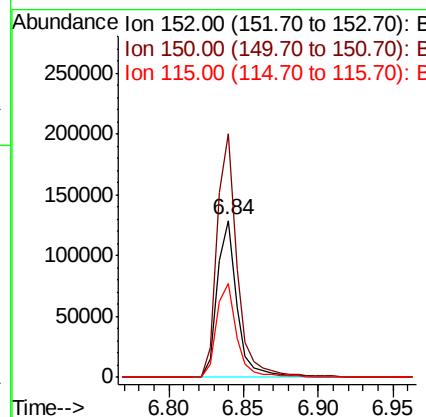
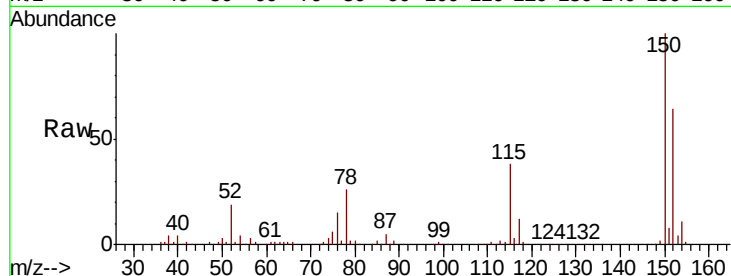
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.2	189.2
115	59.6	49.9	74.9

Manual Integrations
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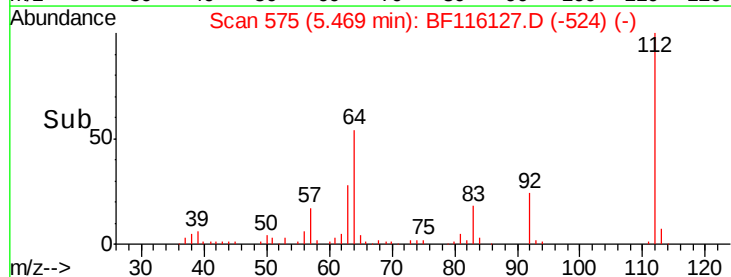
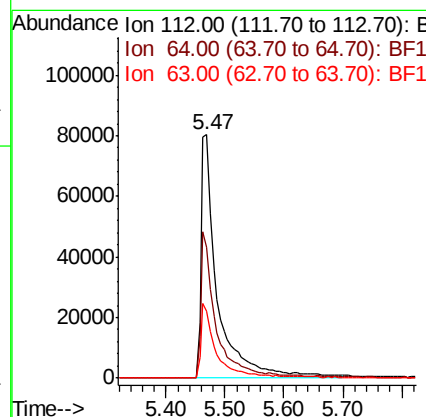
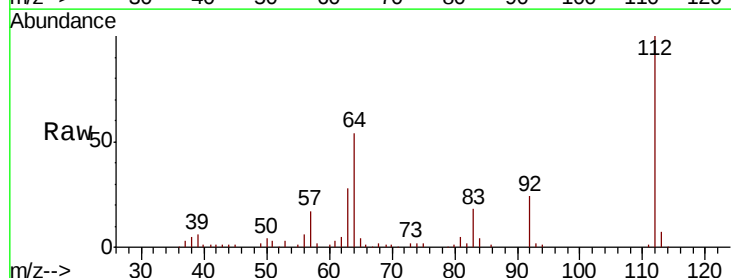
Sohil
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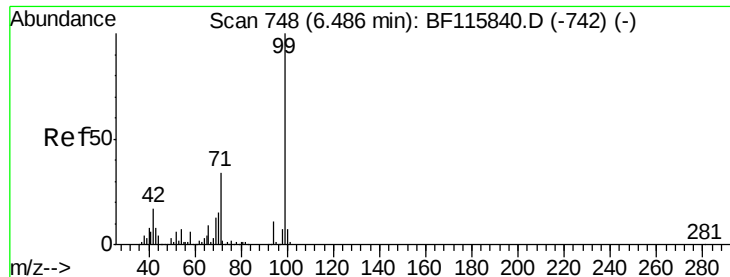


#5

2-Fluorophenol
Concen: 21.631 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	45.4	68.2
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 23.345 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116127.D

Acq: 9 Aug 2019 22:00

Instrument :

BNA_F

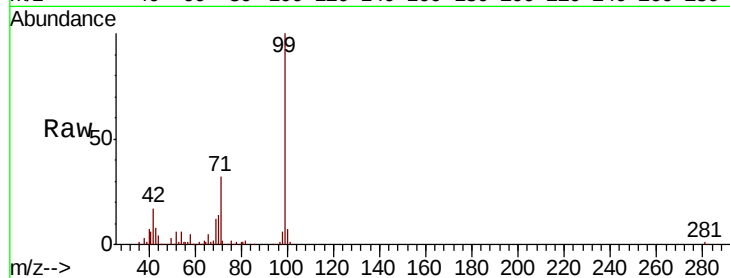
ClientSampleId :

WILDWOOD-AVE-PILE

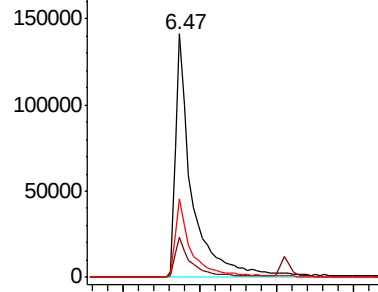
Tot Ion:	99	Resp:	211551
Ion Ratio	Lower	Upper	
99	100		
42	16.6	13.8	20.8
71	32.1	27.3	40.9

Manual Integrations
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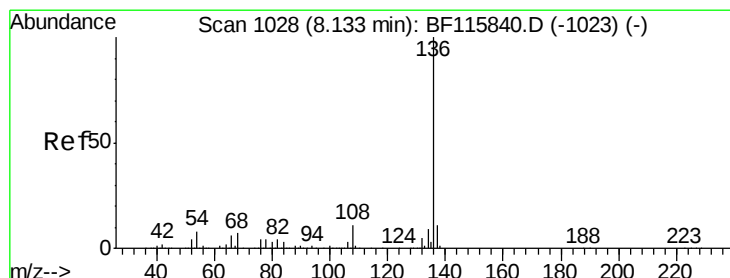
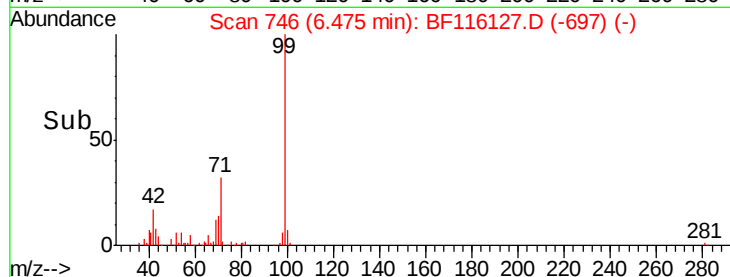
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

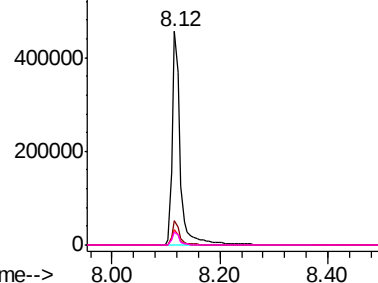
Delta R.T. -0.01 min

Lab File: BF116127.D

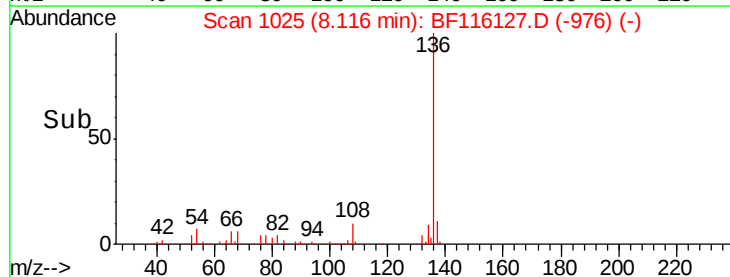
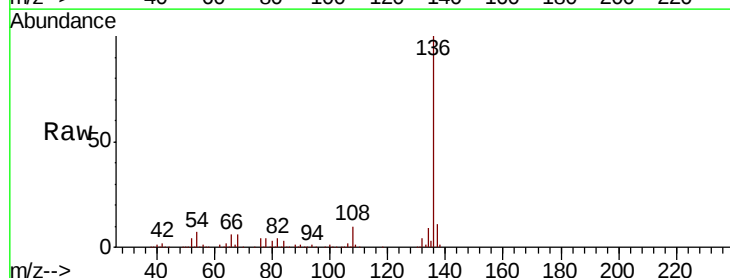
Acq: 9 Aug 2019 22:00

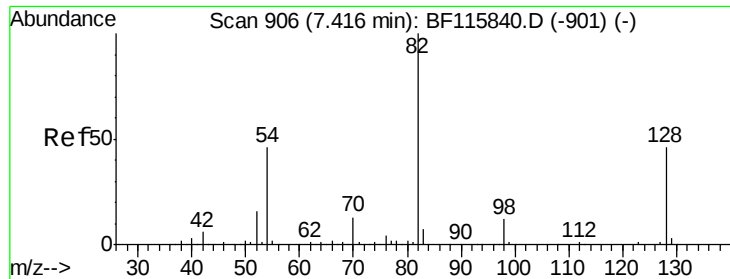
Tgt Ion:	136	Resp:	473280
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	7.4	5.8	8.6
68	6.3	5.2	7.8

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



Time-->





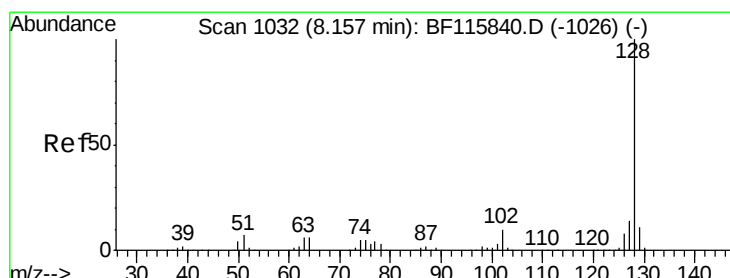
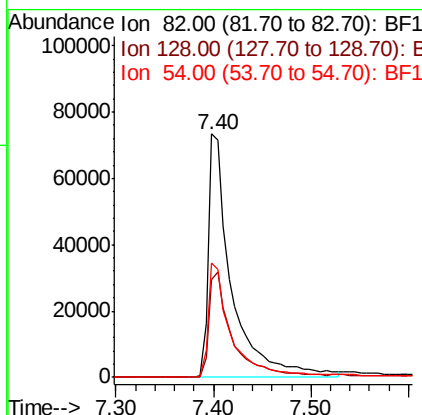
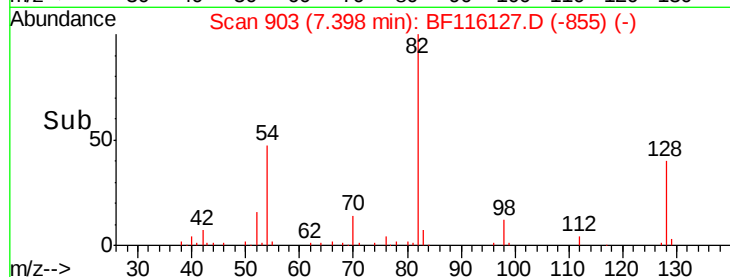
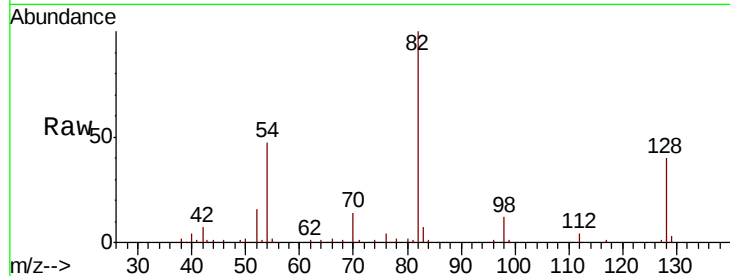
#23
Nitrobenzene-d5
Concen: 14.884 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.3	36.5	54.7
54	47.0	36.0	54.0

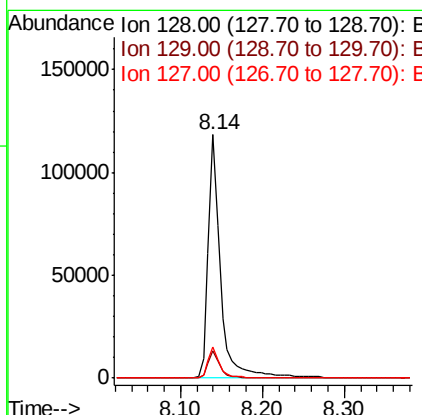
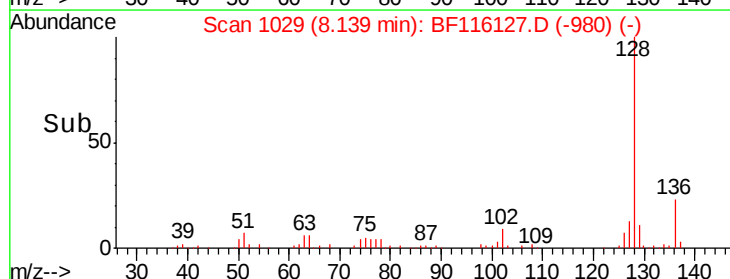
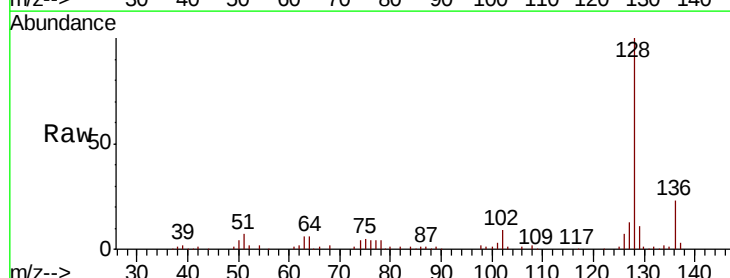
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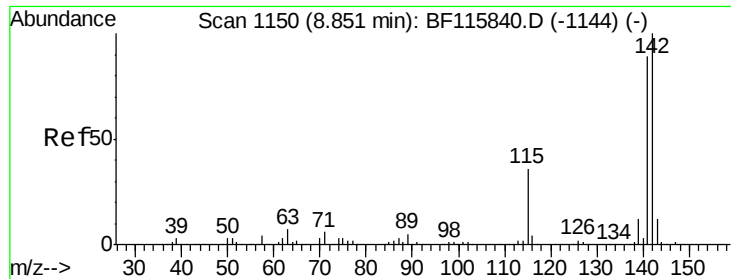
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#31
Naphthalene
Concen: 5.568 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	12.9	11.4	17.0





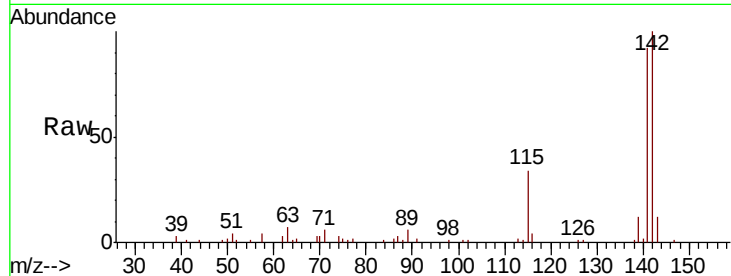
#37
2-Methylnaphthalene
Concen: 3.592 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	70.9	106.3
115	34.3	29.0	43.6

Manual Integrations
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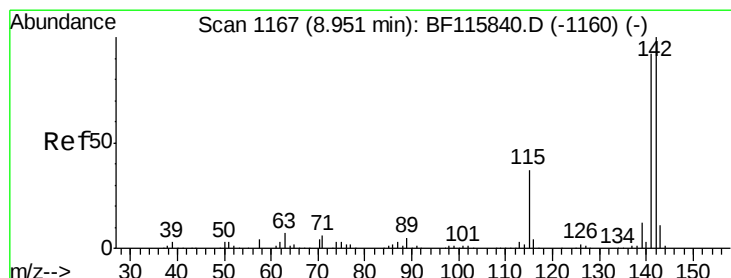
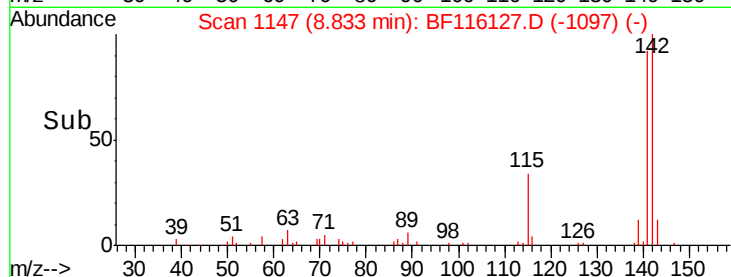
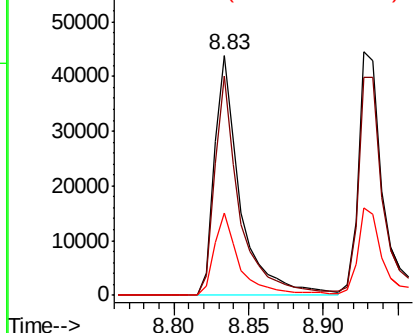


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 3.813 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

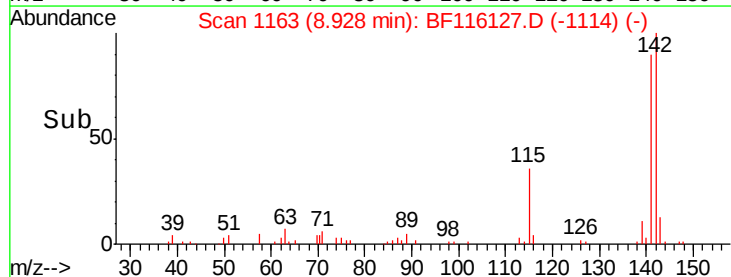
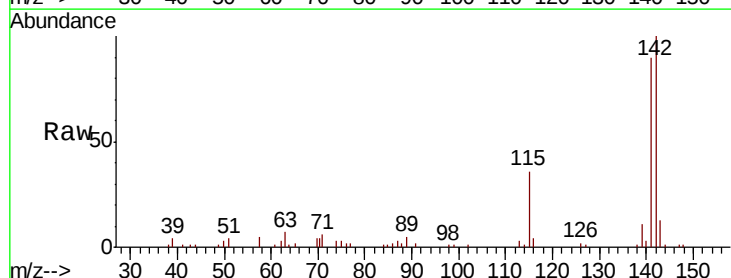
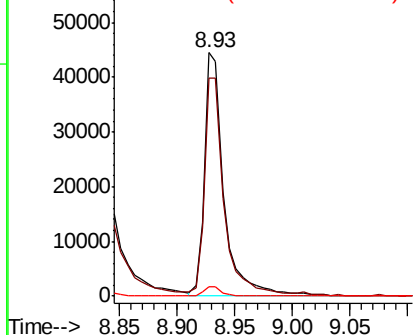
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	74.4	111.6
116	3.8	3.1	4.7

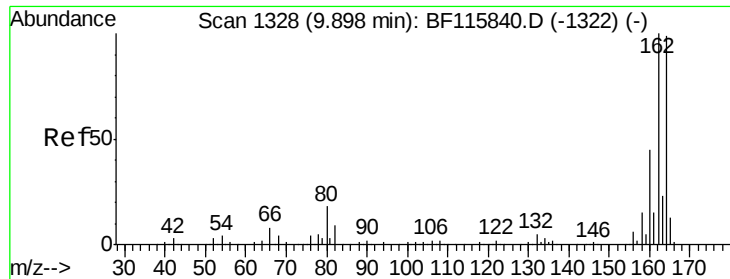
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





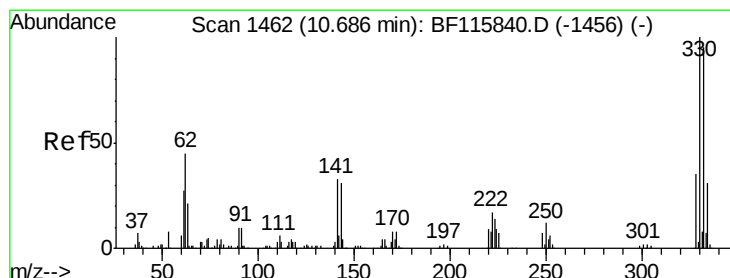
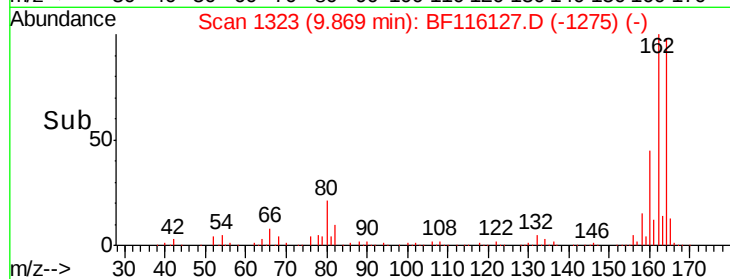
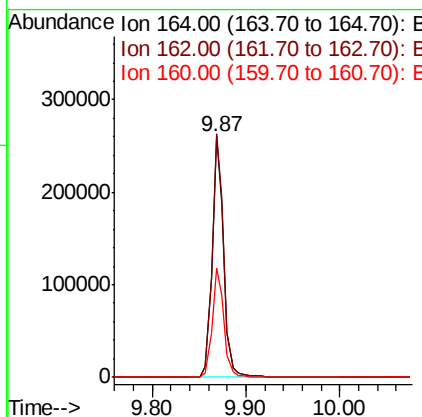
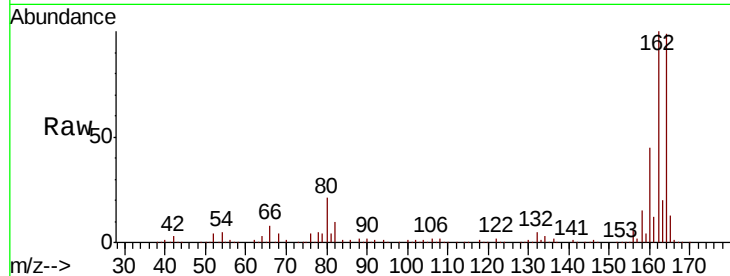
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.6	124.0
160	45.4	37.6	56.4

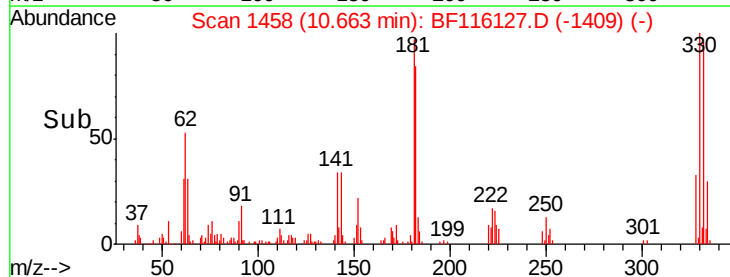
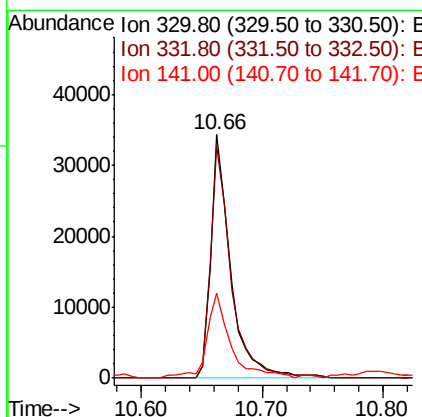
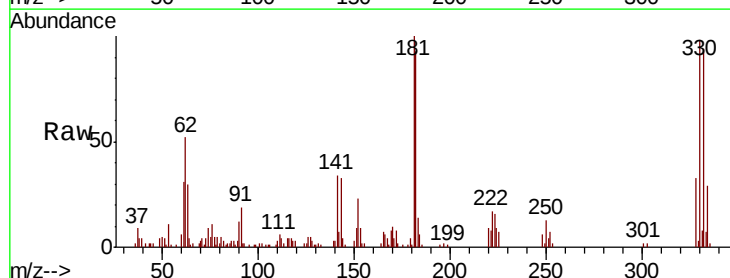
Manual Integrations
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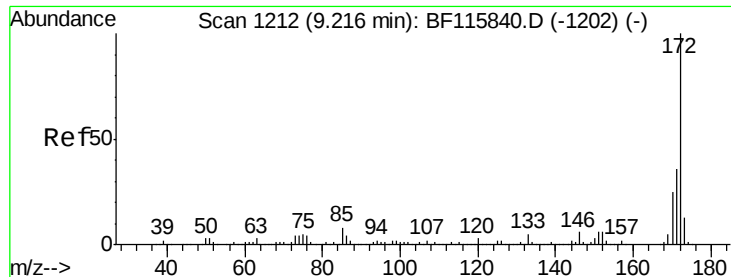
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#42
2,4,6-Tribromophenol
Concen: 17.641 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.8	115.2
141	41.5	26.3	39.5





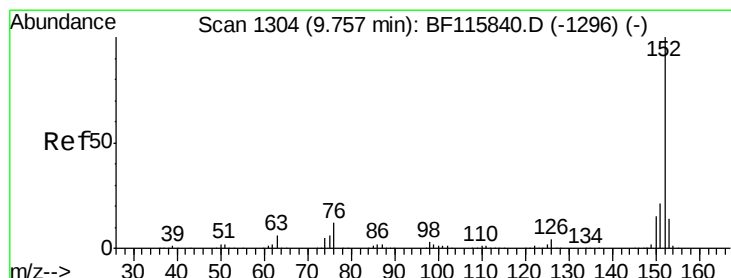
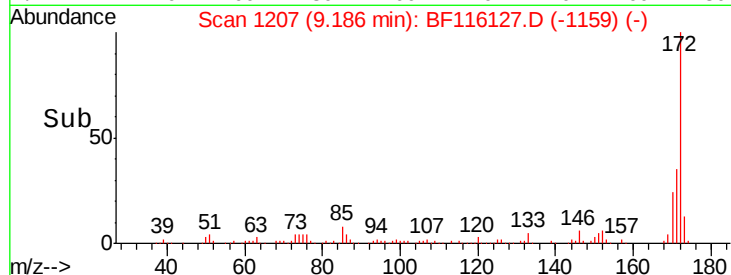
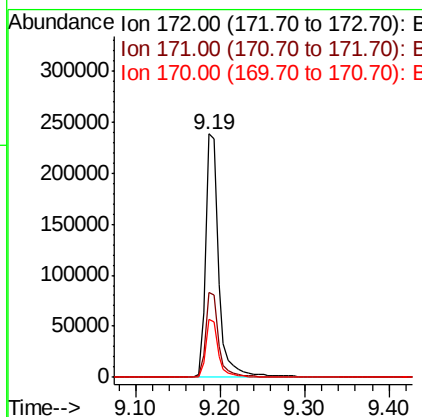
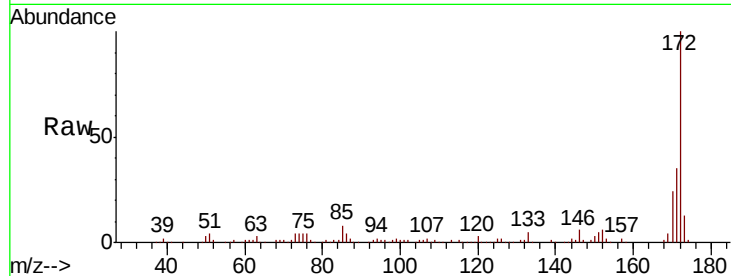
#45
2-Fluorobiphenyl
Concen: 21.240 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	258160		
171	35.0	29.6	44.4	
170	23.7	20.1	30.1	

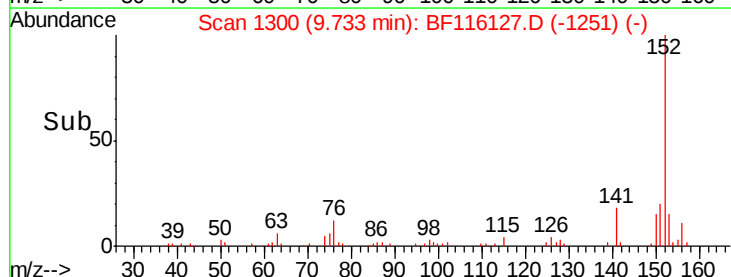
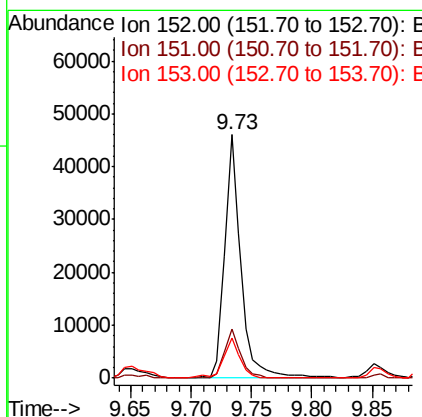
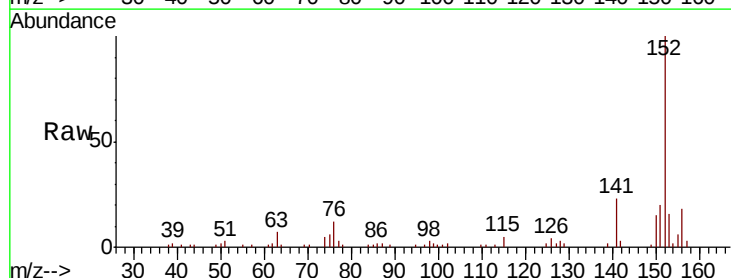
Manual Integrations
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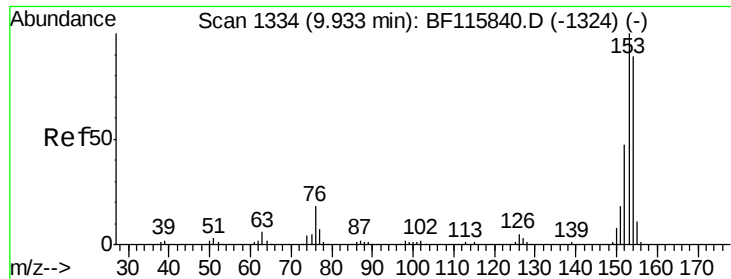
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#49
Acenaphthylene
Concen: 2.199 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	42917		
151	20.2	17.2	25.8	
153	16.3	11.8	17.8	





#52

Acenaphthene

Concen: 9.271 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF116127.D

Acq: 9 Aug 2019 22:00

Instrument :

BNA_F

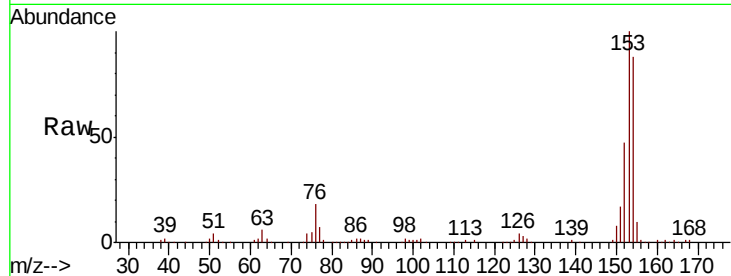
ClientSampleId :

WILDWOOD-AVE-PILE

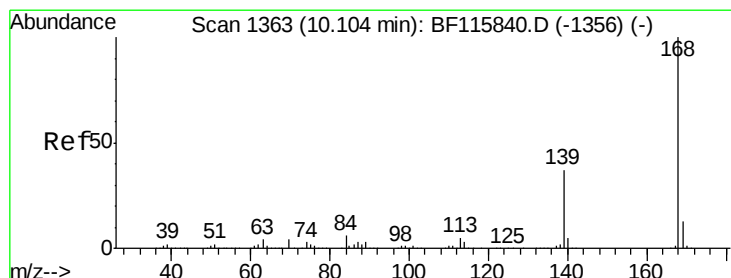
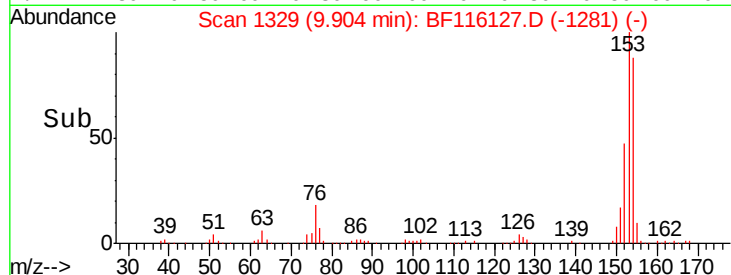
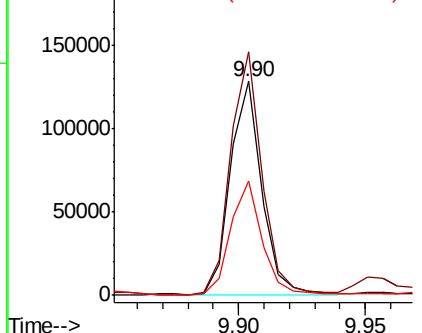
Tot Ion:	154	Resp:	110996
Ion Ratio	Lower	Upper	
154	100		
153	113.9	89.4	134.0
152	53.7	42.3	63.5

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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: 7.198 ng

RT: 10.08 min Scan# 1359

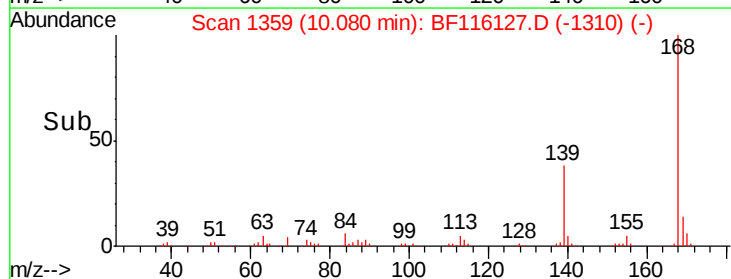
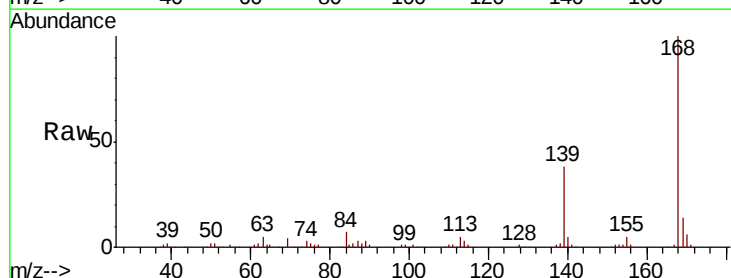
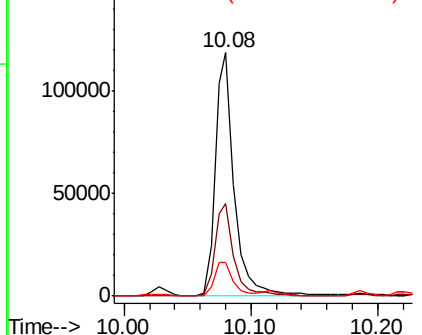
Delta R.T. -0.01 min

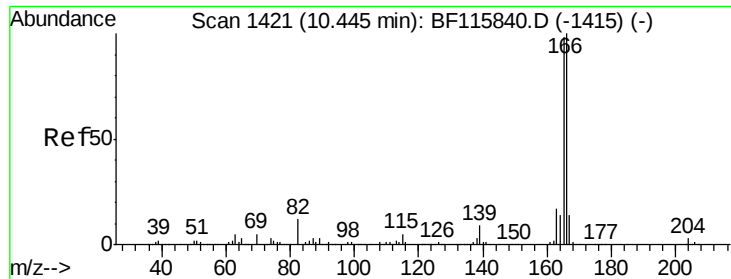
Lab File: BF116127.D

Acq: 9 Aug 2019 22:00

Tgt Ion:	168	Resp:	125323
Ion Ratio	Lower	Upper	
168	100		
139	38.2	31.4	47.2
169	14.1	10.9	16.3

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





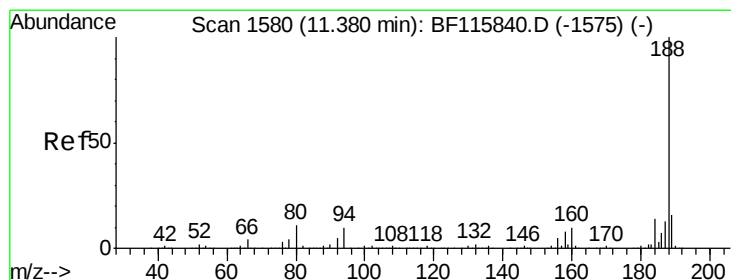
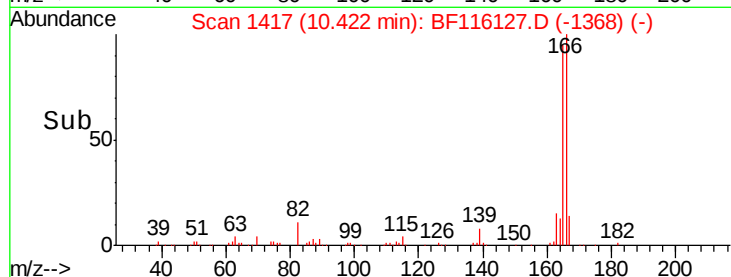
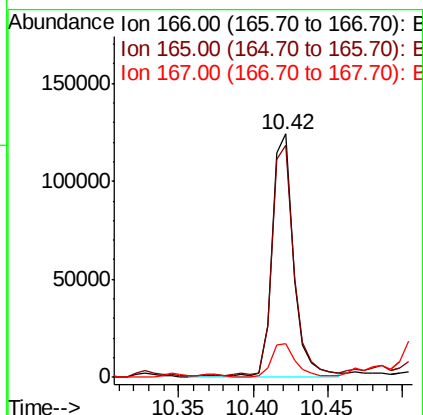
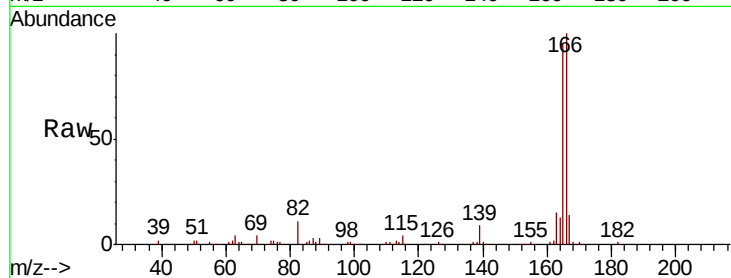
#58
Fluorene
 Concen: 9.248 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF116127.D
 Acq: 9 Aug 2019 22:00

Instrument :
 BNA_F
 ClientSampleId :
 WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.4	78.4	117.6
167	14.0	11.0	16.4

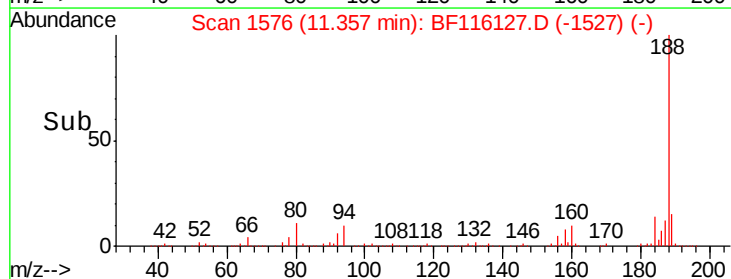
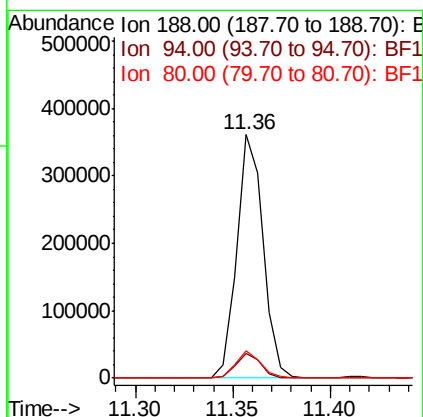
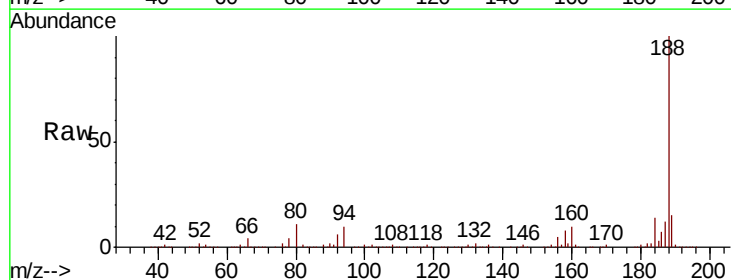
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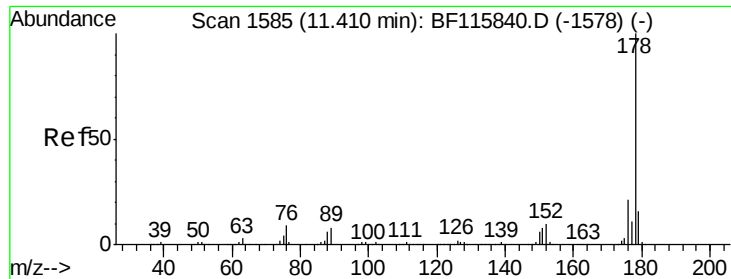
Sohil
 8/13/2019 7:18:04 AM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116127.D
 Acq: 9 Aug 2019 22:00

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





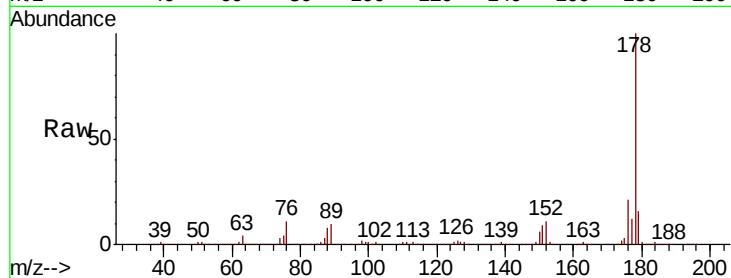
#71
Phenanthrene
Concen: 91.279 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	21.0	16.6	24.8	
179	16.3	12.5	18.7	

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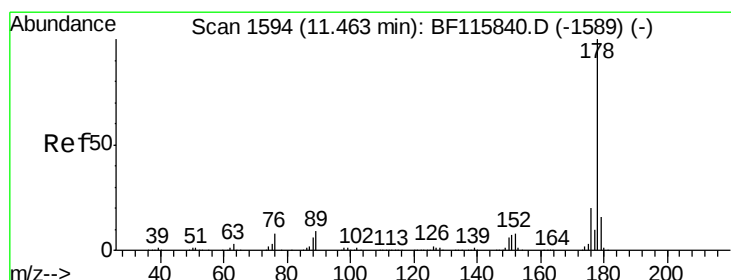
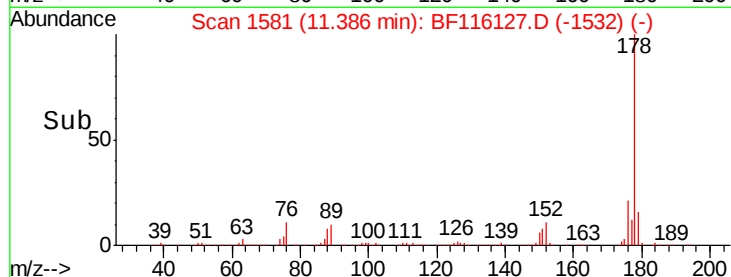
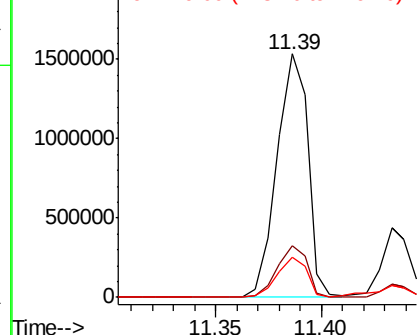


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 22.675 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

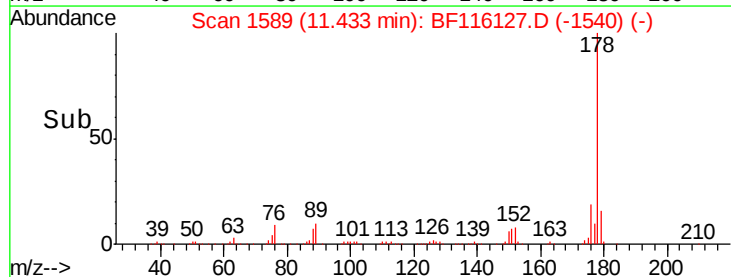
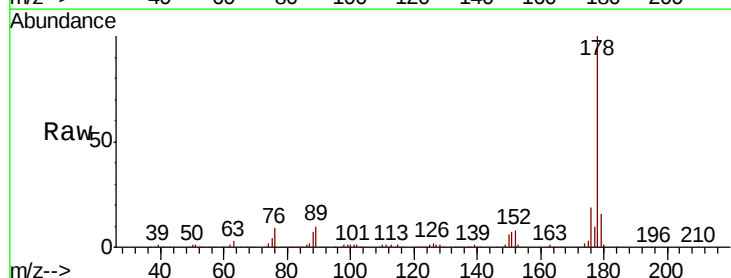
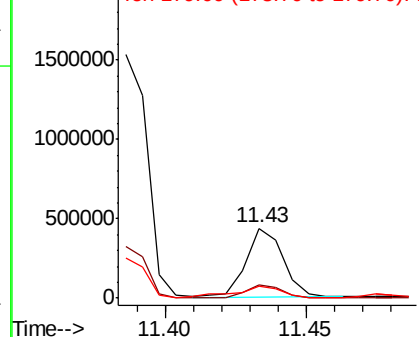
Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.2	15.7	23.5	
179	16.4	13.0	19.6	

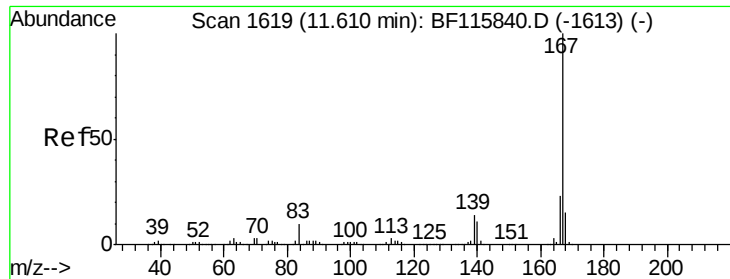
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





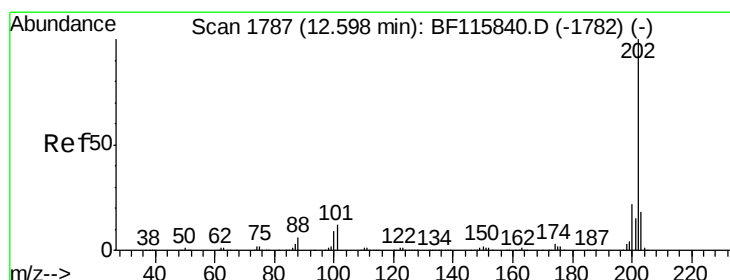
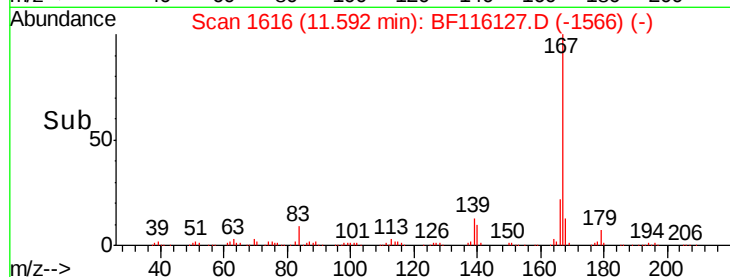
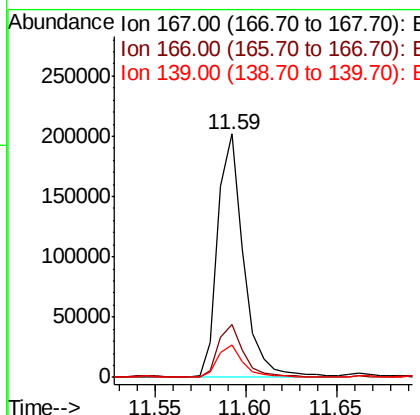
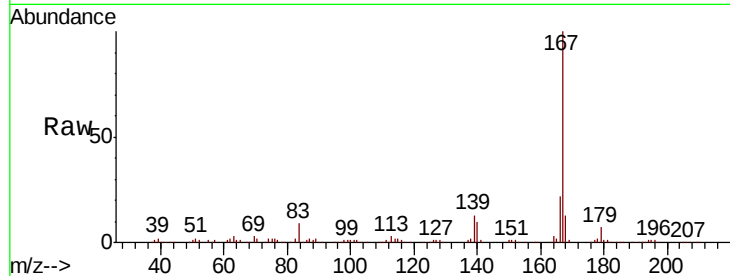
#73
 Carbazole
 Concen: 12.741 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF116127.D
 Acq: 9 Aug 2019 22:00

Instrument :
 BNA_F
 ClientSampleId :
 WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.6
139	13.1	11.4	17.0

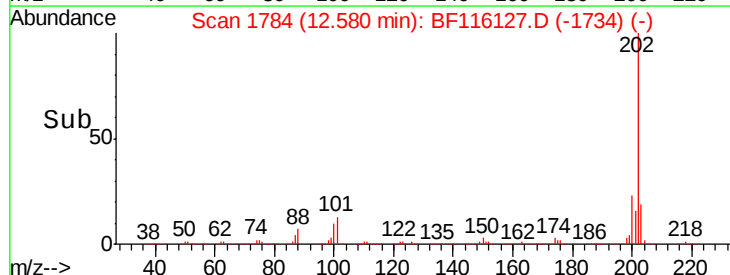
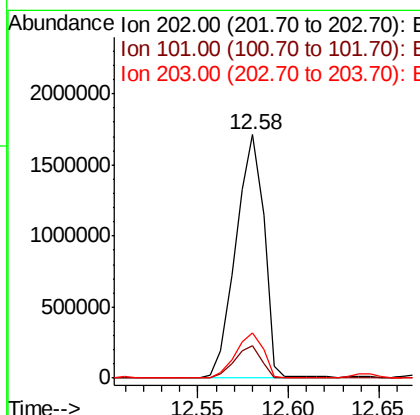
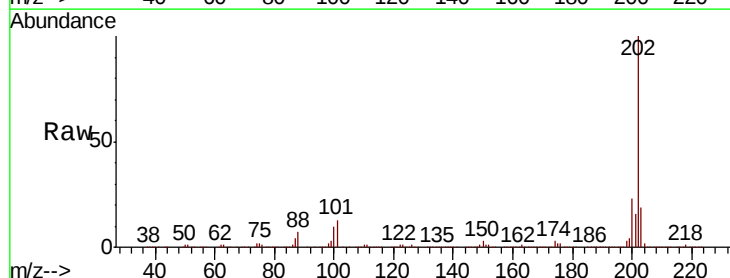
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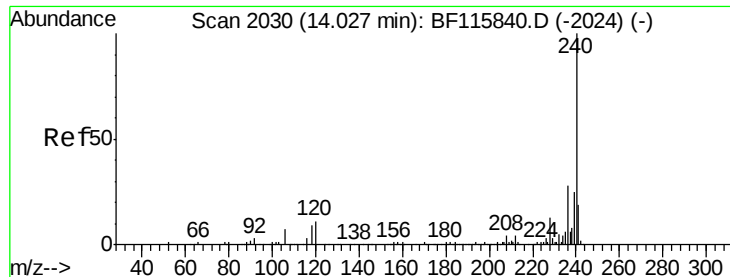
Sohil
 8/13/2019 7:18:04 AM



#75
 Fluoranthene
 Concen: 102.811 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF116127.D
 Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	31.2
203	18.7	0.0	37.8





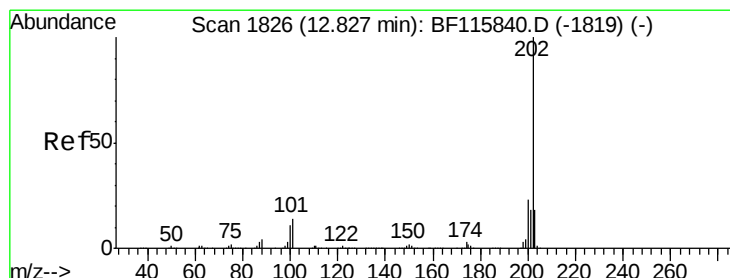
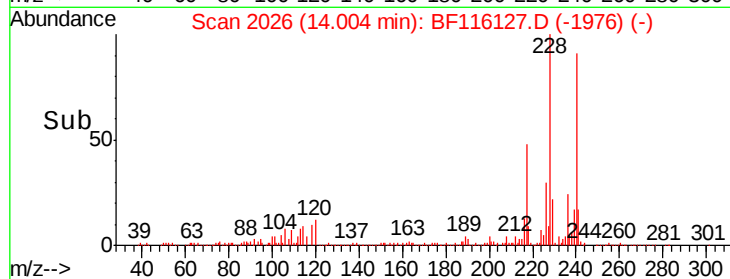
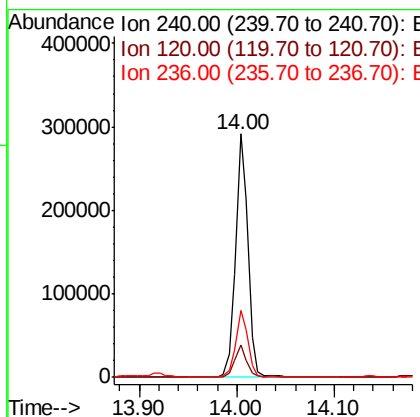
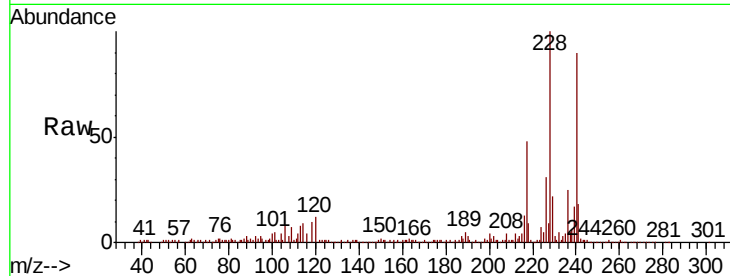
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.7	16.1
236	27.3	22.2	33.2

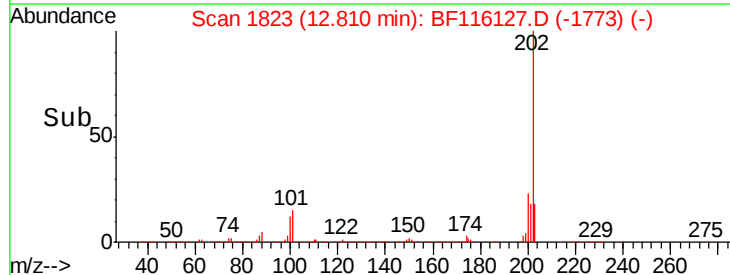
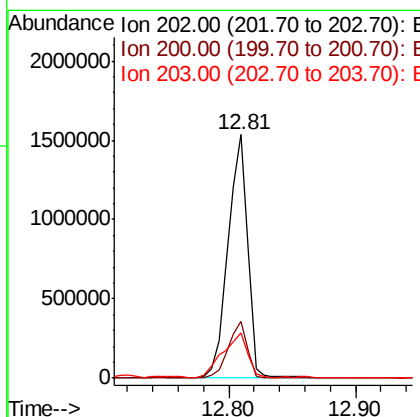
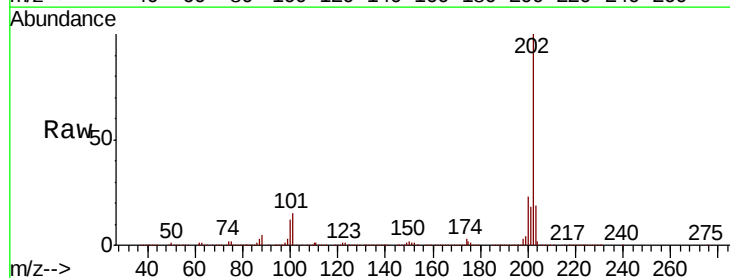
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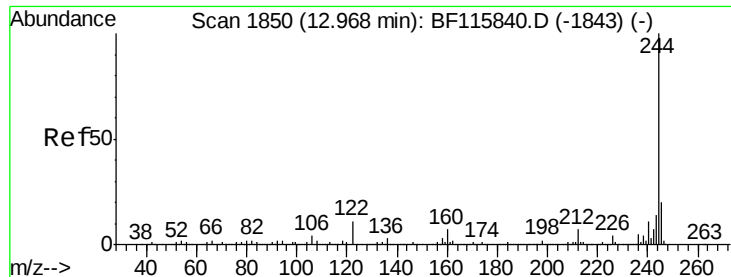
Sohil
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#78
Pyrene
Concen: 84.260 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	18.0	27.0
203	18.6	14.1	21.1





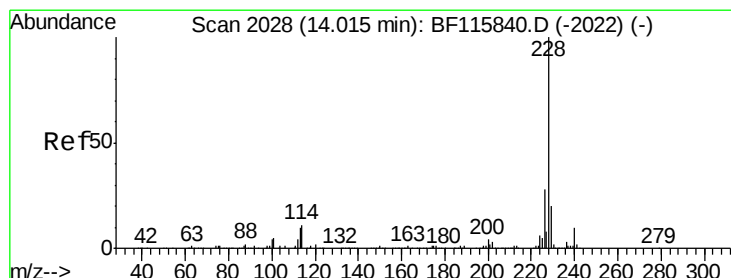
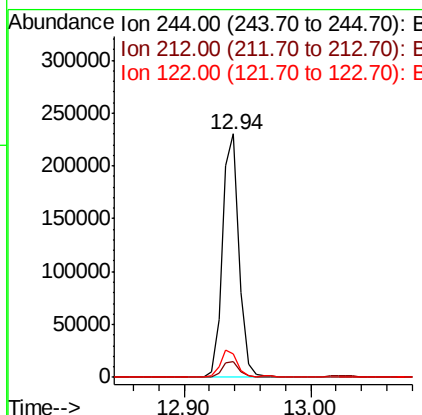
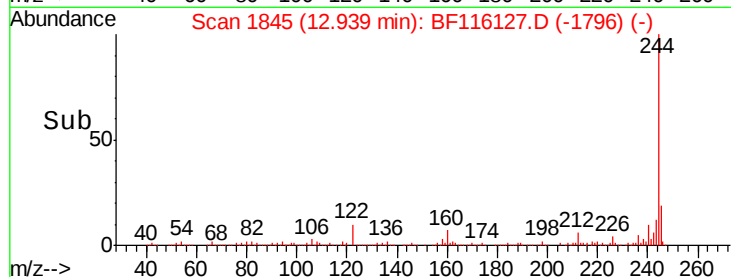
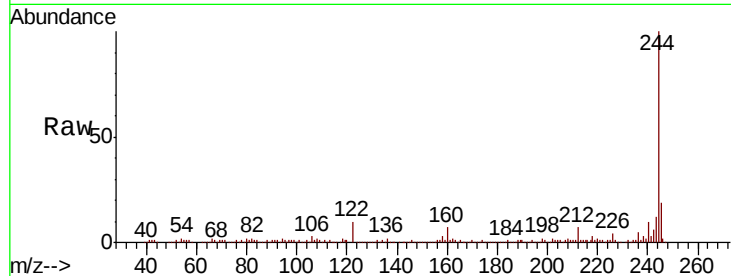
#79
 Terphenyl-d14
 Concen: 17.233 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116127.D
 Acq: 9 Aug 2019 22:00

Instrument :
 BNA_F
 ClientSampleId :
 WILDWOOD-AVE-PILE

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	5.8	8.8
122	9.8	9.0	13.4

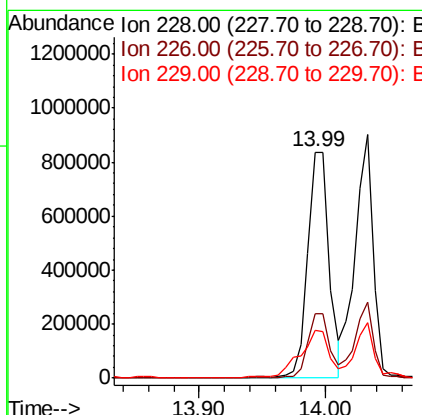
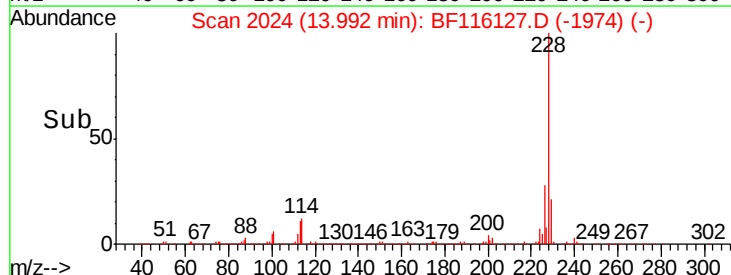
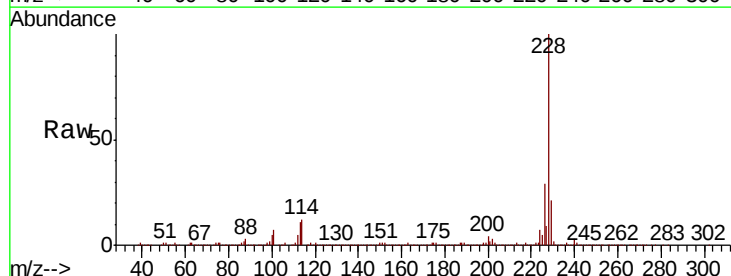
Manual Integrations
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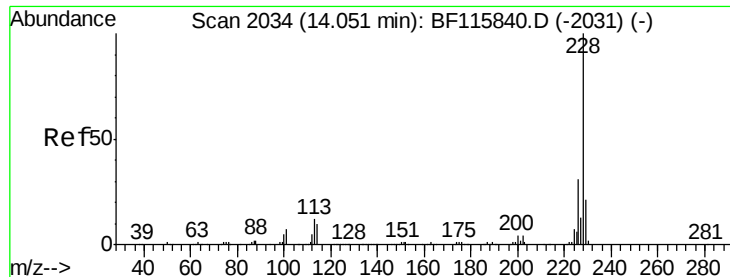
Sohil
 8/13/2019 7:18:04 AM



#81
 Benzo(a)anthracene
 Concen: 59.873 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116127.D
 Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.7	22.7	34.1
229	21.4	16.2	24.4





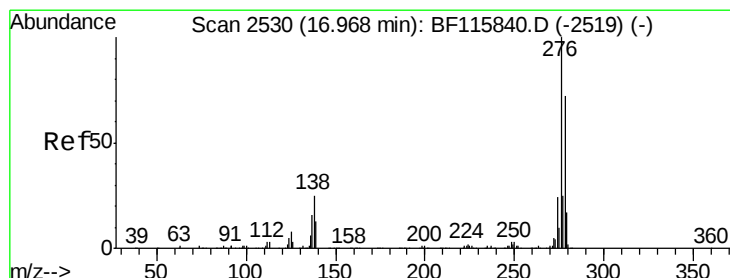
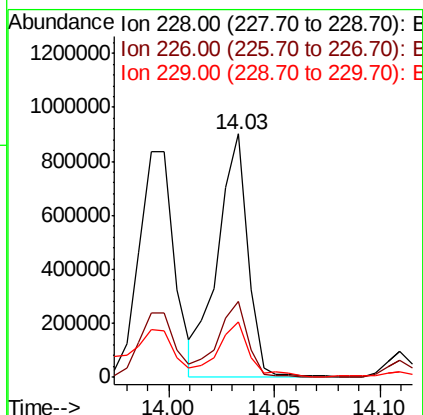
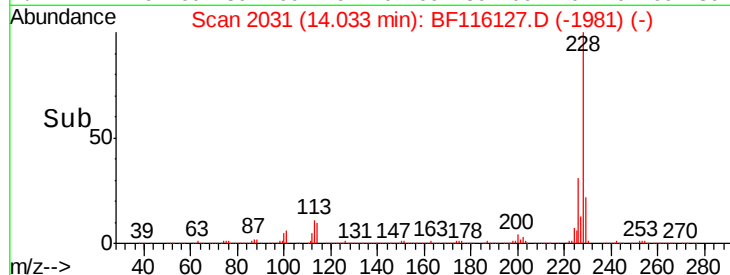
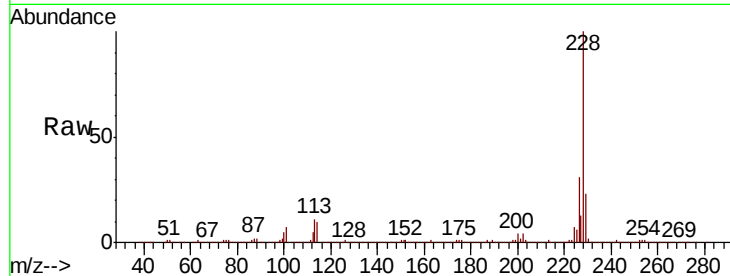
#83
Chrysene
Concen: 56.067 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.5	38.3
229	22.9	16.6	24.8

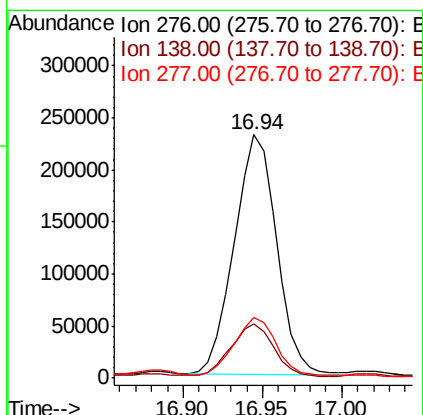
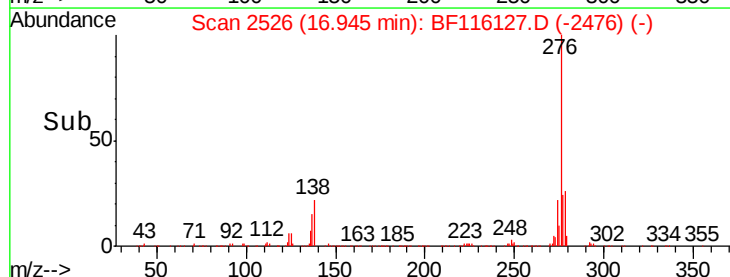
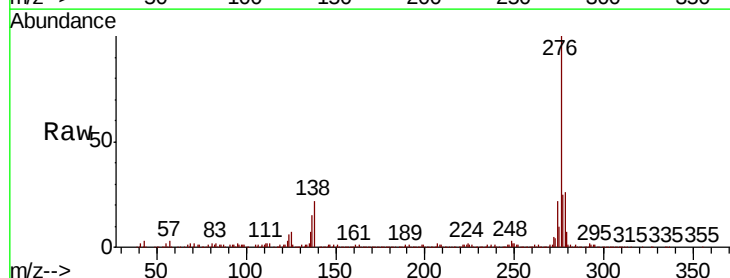
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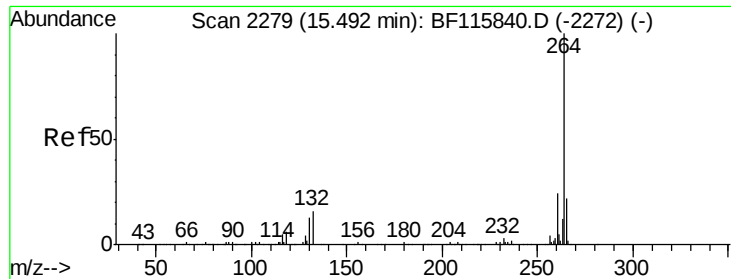
Sohil
8/13/2019 7:18:04 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 32.248 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.4	30.6
277	24.2	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BF116127.D

Acq: 9 Aug 2019 22:00

Instrument :

BNA_F

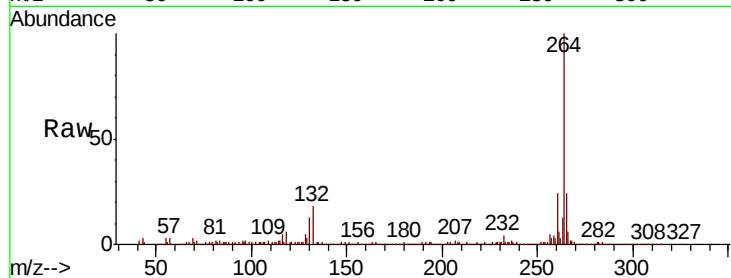
ClientSampleId :

WILDWOOD-AVE-PILE

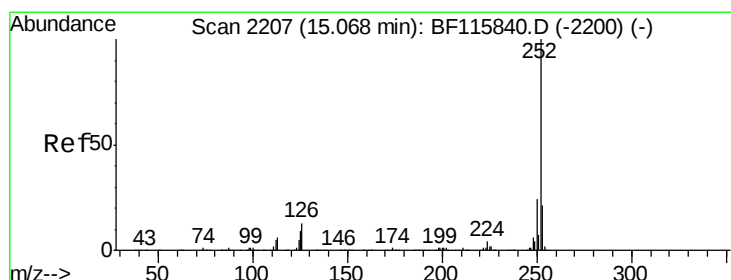
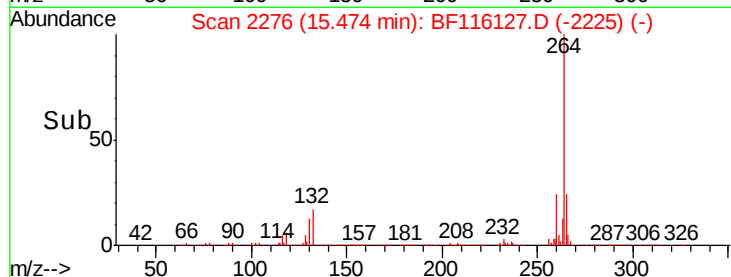
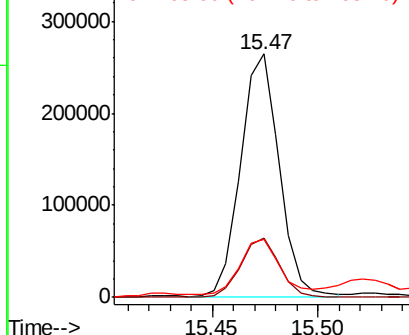
Tot Ion:	264	Resp:	333113
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.7	29.5
265	23.9	17.4	26.0

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 64.888 ng m

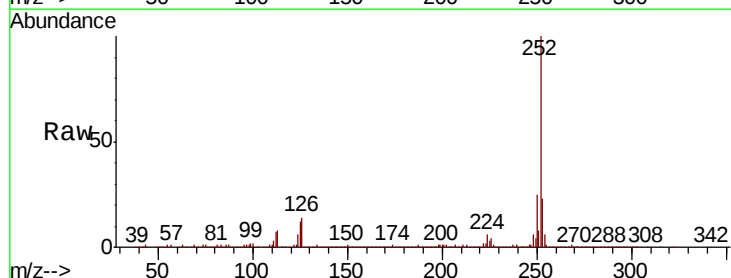
RT: 15.05 min Scan# 2204

Delta R.T. -0.00 min

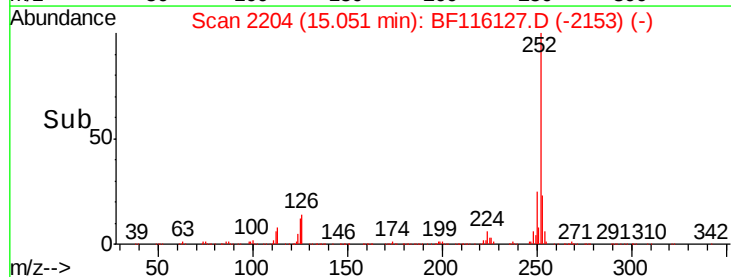
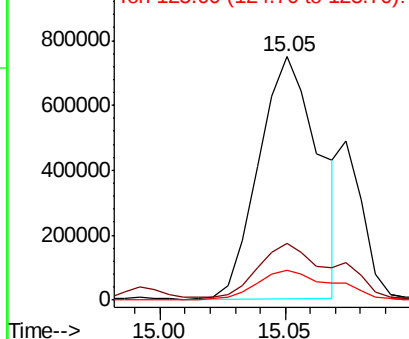
Lab File: BF116127.D

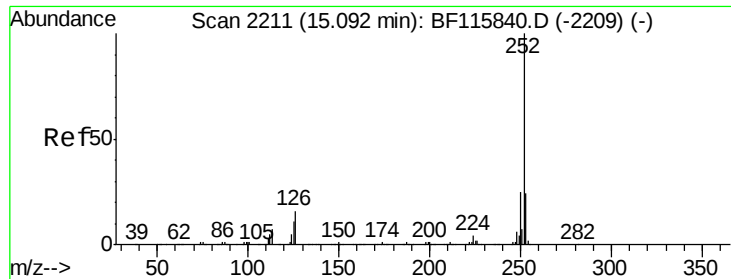
Acq: 9 Aug 2019 22:00

Tgt Ion:	252	Resp:	1249802
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	12.1	8.4	12.6



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





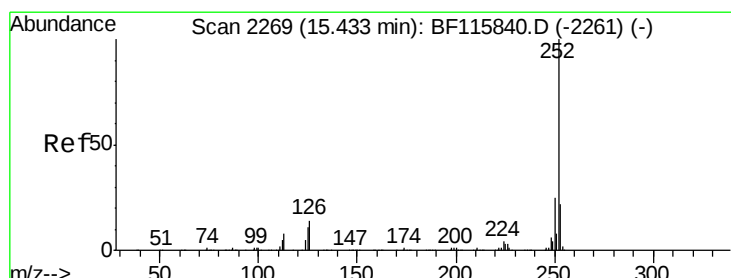
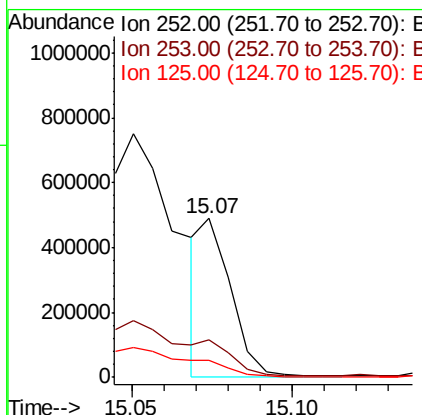
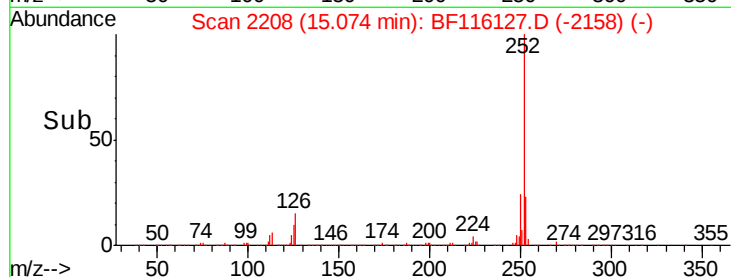
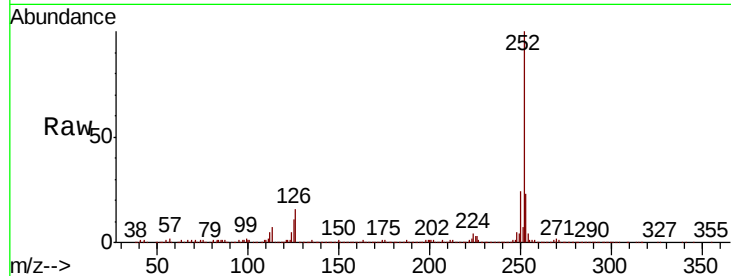
#89
Benzo(k)fluoranthene
Concen: 17.316 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	10.9	7.7	11.5

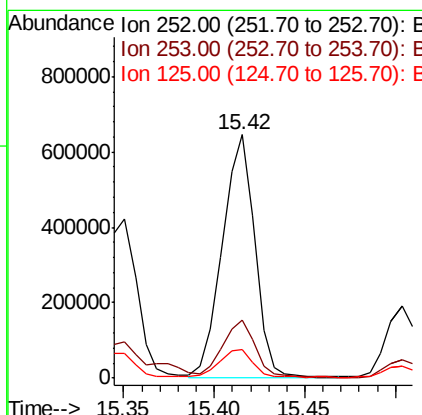
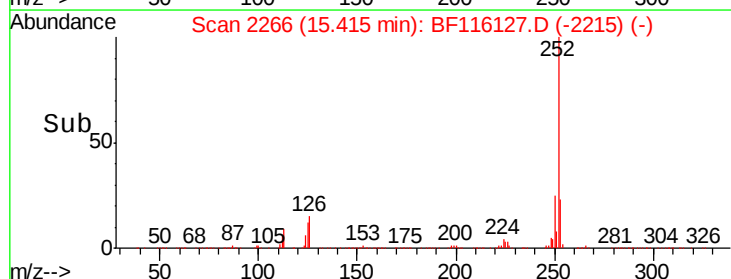
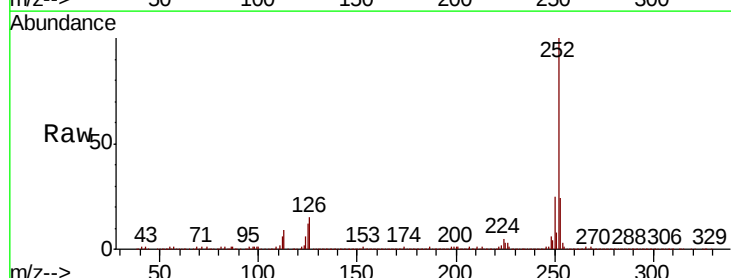
Manual Integrations
APPROVED

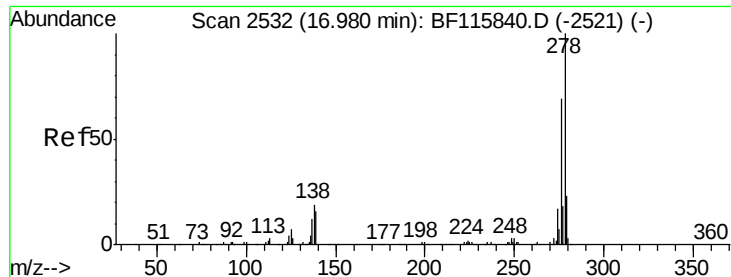
Sohil
8/13/2019 7:18:04 AM



#90
Benzo(a)pyrene
Concen: 46.531 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	11.9	8.9	13.3





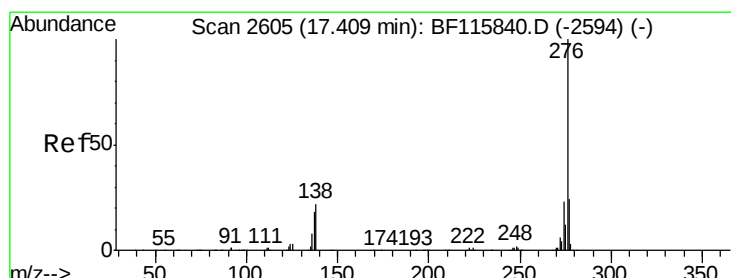
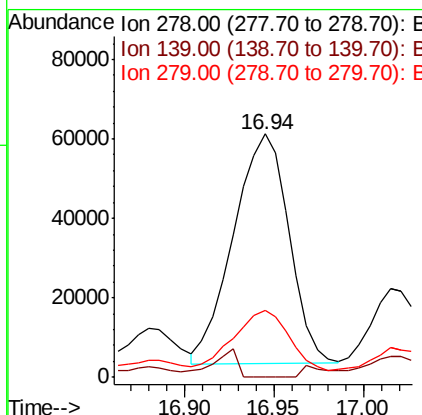
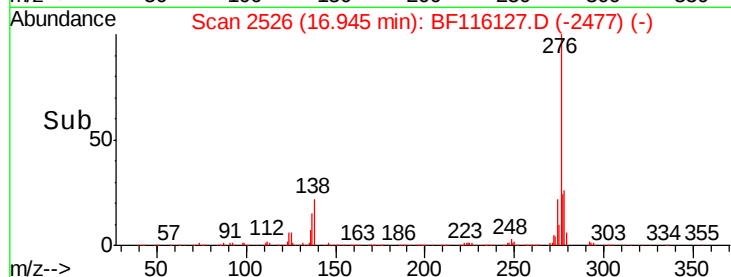
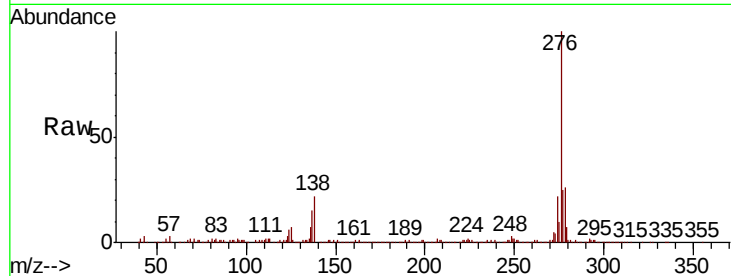
#91
Dibenzo(a,h)anthracene
Concen: 8.351 ng m
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Instrument :
BNA_F
ClientSampleId :
WILDWOOD-AVE-PILE

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	27.6	18.8	28.2

Manual Integrations
APPROVED

Sohil
8/13/2019 7:18:04 AM



#92
Benzo(g,h,i)perylene
Concen: 24.768 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.01 min
Lab File: BF116127.D
Acq: 9 Aug 2019 22:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.4	27.6
138	21.9	17.0	25.6

