

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116096.D
 Acq On : 9 Aug 2019 4:17
 Operator : HP/JU
 Sample : K4192-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRIPLE-BARREL-BC-WEST

Manual Integrations
 APPROVED

mohammad
 8/14/2019 9:21:56 AM

Quant Time: Aug 09 17:11:40 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	138436	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	567378	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	283489	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	398560	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	264410	20.00	ng	0.00
87) Perylene-d12	15.47	264	248496	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	205045	24.80	ng	0.00
7) Phenol-d6	6.48	99	287064	27.51	ng	0.00
23) Nitrobenzene-d5	7.40	82	175005	17.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	57385	20.88	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	337210	22.28	ng	-0.02
79) Terphenyl-d14	12.94	244	254953	20.32	ng	-0.01

Target Compounds				Qvalue		
50) Dimethylphthalate	9.59	163	63678	3.299	ng	97
52) Acenaphthene	9.90	154	59160	3.968	ng	98
55) Dibenzofuran	10.07	168	55153	2.544	ng	# 97
58) Fluorene	10.42	166	74052	4.439	ng	99
71) Phenanthrene	11.39	178	1041205	51.101	ng	99
72) Anthracene	11.43	178	252612	12.250	ng	99
73) Carbazole	11.59	167	94306	5.041	ng	98
75) Fluoranthene	12.57	202	1270958	59.583	ng	96
78) Pyrene	12.80	202	1225788	61.500	ng	99
81) Benzo(a)anthracene	13.99	228	640904	37.923	ng	98
83) Chrysene	14.03	228	599018	36.509	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	242585	17.604	ng	96
88) Benzo(b)fluoranthene	15.05	252	636948m	44.330	ng	
89) Benzo(k)fluoranthene	15.07	252	226897m	16.213	ng	
90) Benzo(a)pyrene	15.42	252	440224	34.274	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	65254	5.869	ng	# 78
92) Benzo(g,h,i)perylene	17.39	276	235304	21.550	ng	96

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

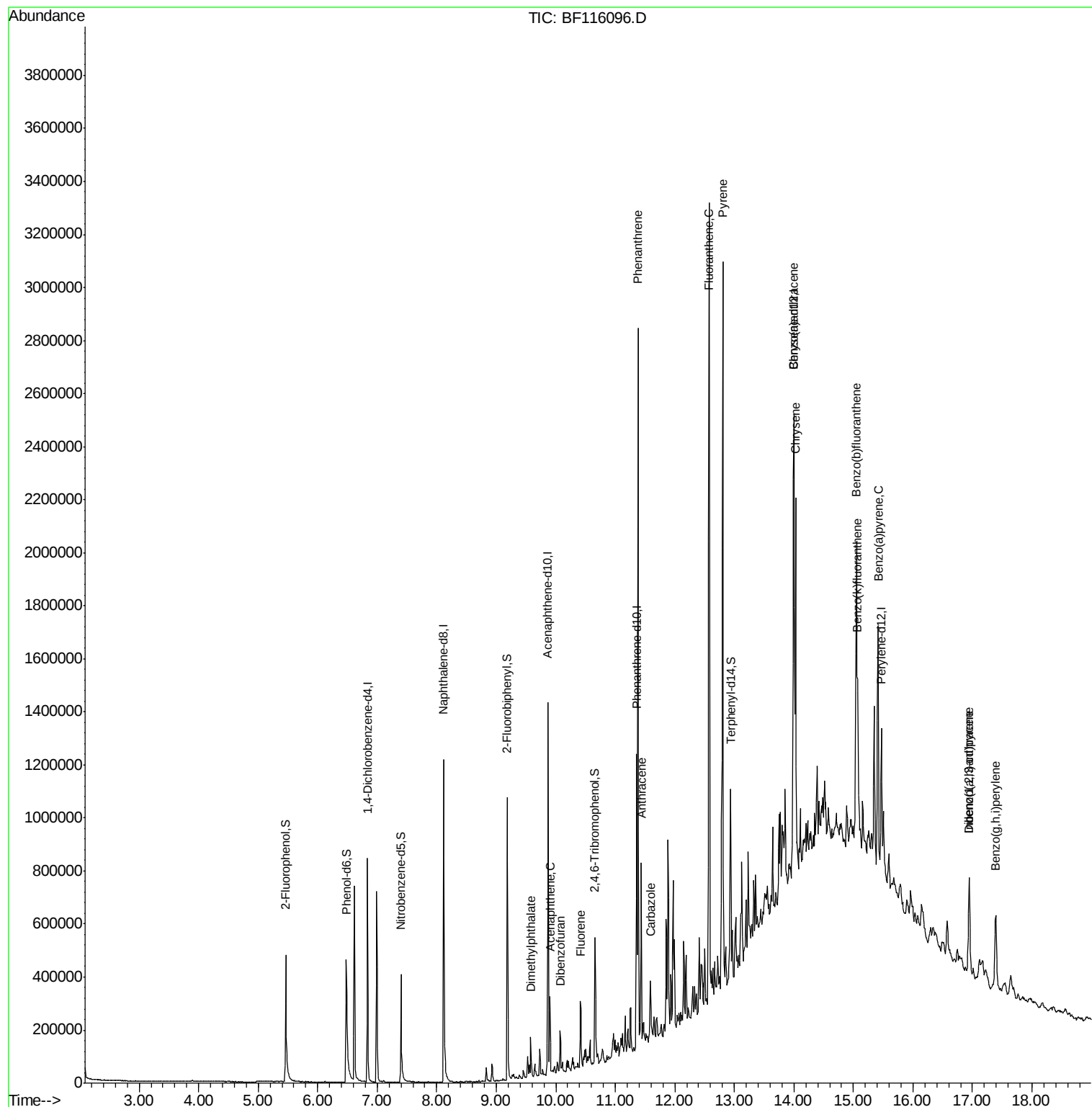
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116096.D
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Operator : HP/JU
Sample : K4192-02 2X
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ALS Vial : 23 Sample Multiplier: 1

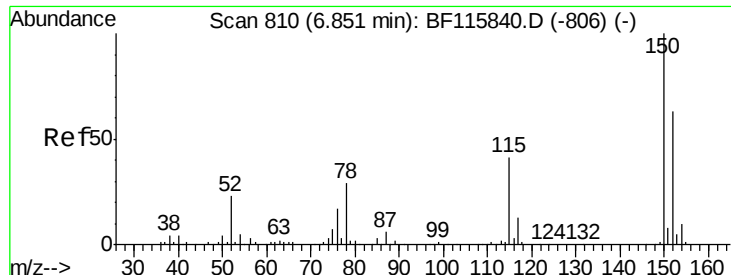
Instrument :
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TRIPLE-BARREL-BC-WEST

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#1

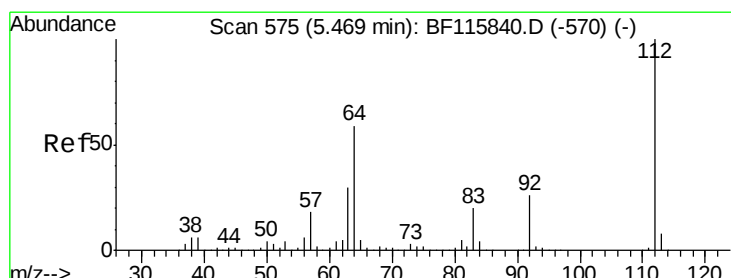
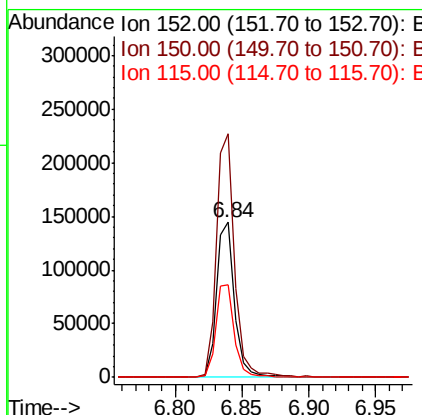
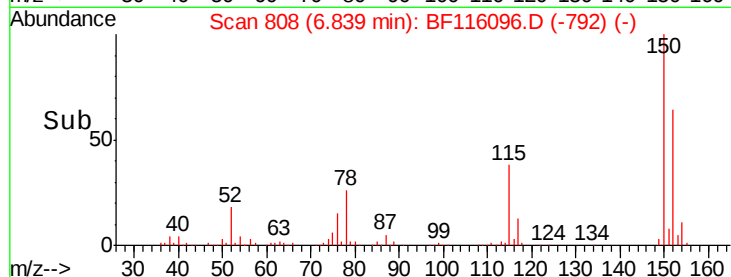
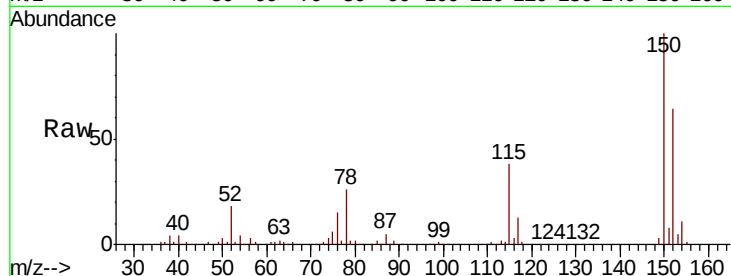
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116096.D
 Acq: 9 Aug 2019 4:17

Instrument :
 BNA_F
 ClientSampleId :
 TRIPLE-BARREL-BC-WEST

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	59.7	49.9	74.9

Manual Integrations
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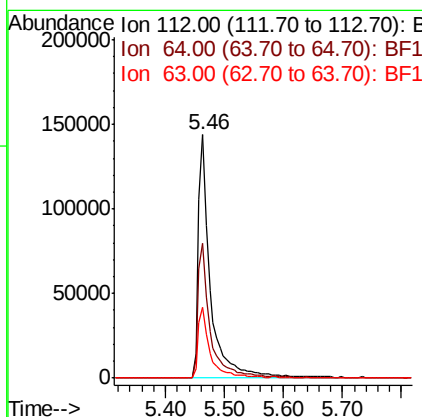
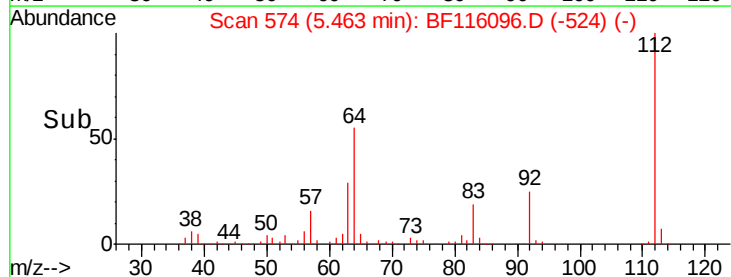
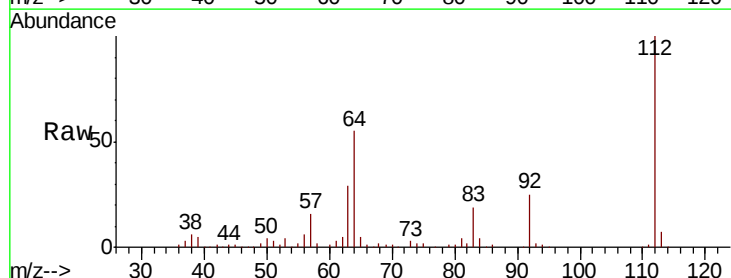
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#5

2-Fluorophenol
 Concen: 24.795 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116096.D
 Acq: 9 Aug 2019 4:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.4	68.2
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 27.514 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

Instrument :

BNA_F

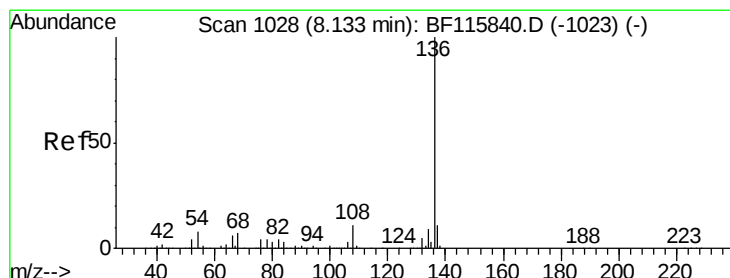
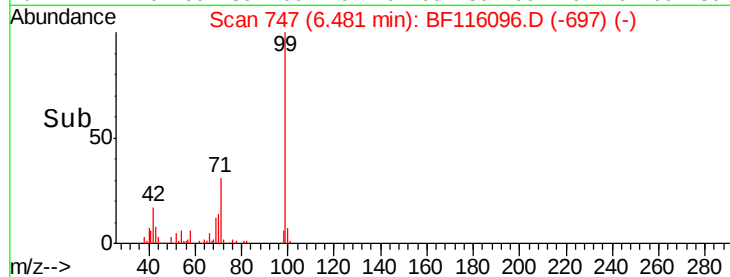
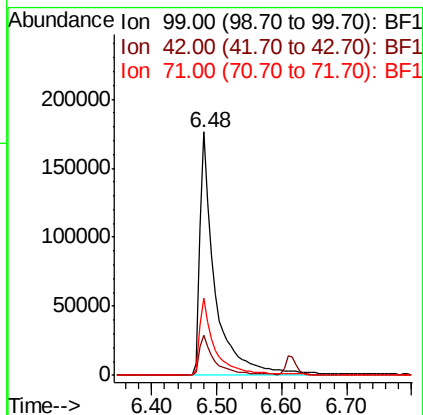
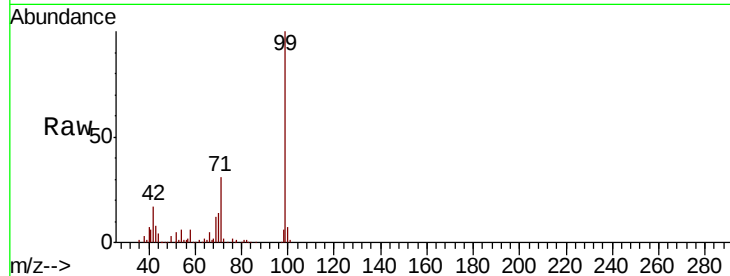
ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion:	99	Resp:	287064
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.8	20.8
71	31.5	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

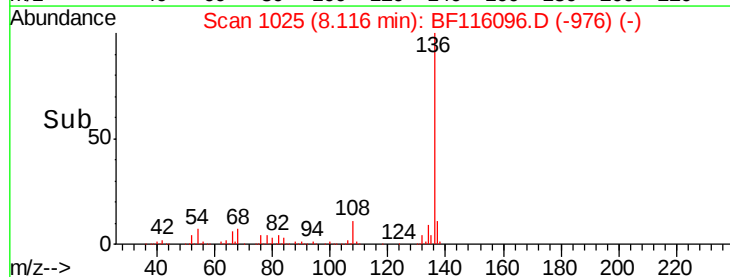
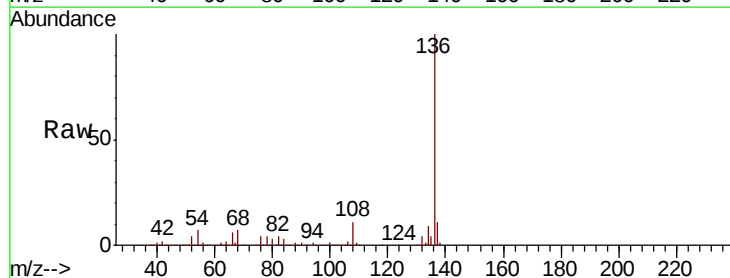
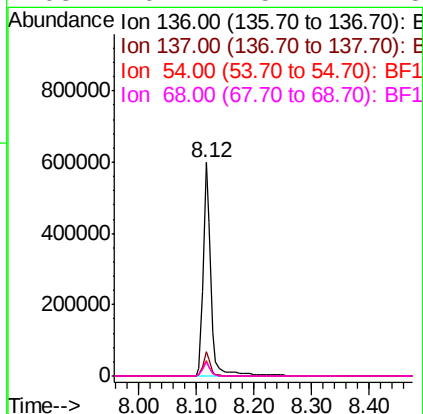
RT: 8.12 min Scan# 1025

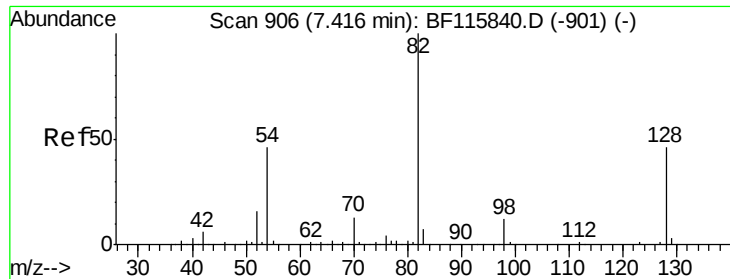
Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

Tgt Ion:	136	Resp:	567378
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.2	5.8	8.6
68	6.7	5.2	7.8





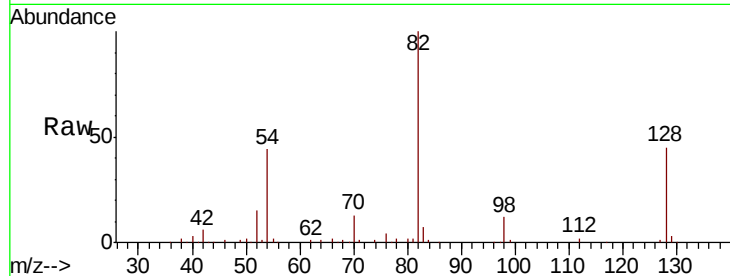
#23
 Nitrobenzene-d5
 Concen: 17.804 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116096.D
 Acq: 9 Aug 2019 4:17

Instrument :
 BNA_F
 ClientSampleId :
 TRIPLE-BARREL-BC-WEST

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.5	54.7
54	44.4	36.0	54.0

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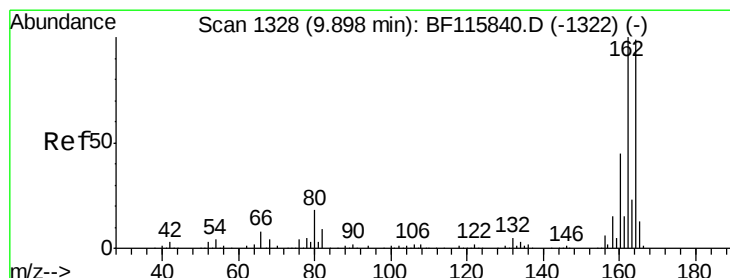
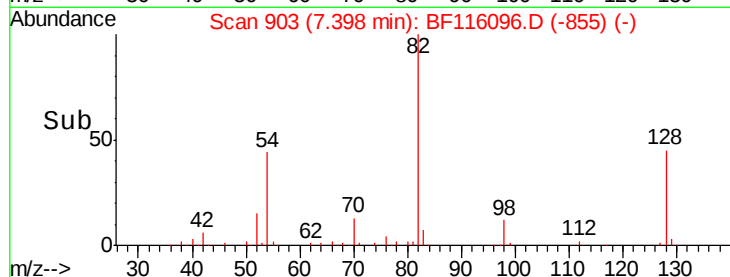
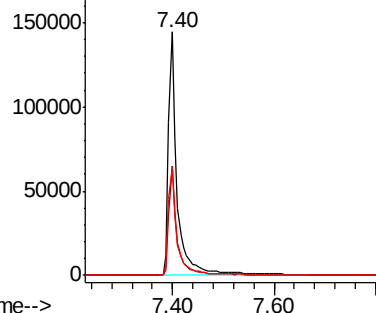


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116096.D
 Acq: 9 Aug 2019 4:17

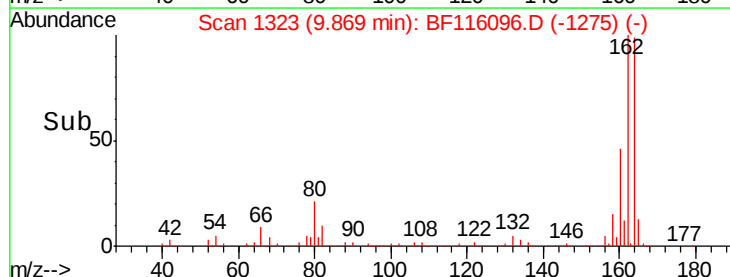
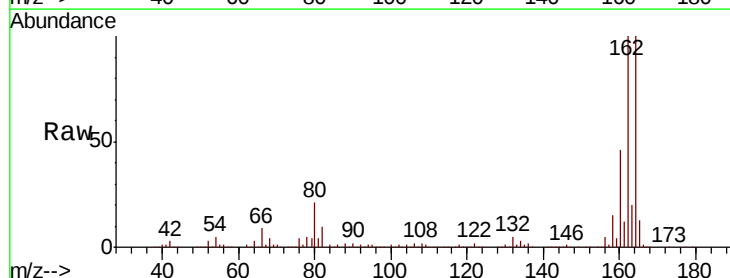
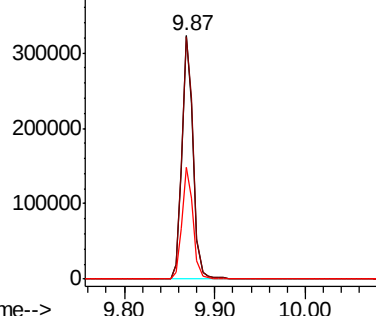
Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	82.6	124.0
160	45.7	37.6	56.4

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: 20.879 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

Instrument :

BNA_F

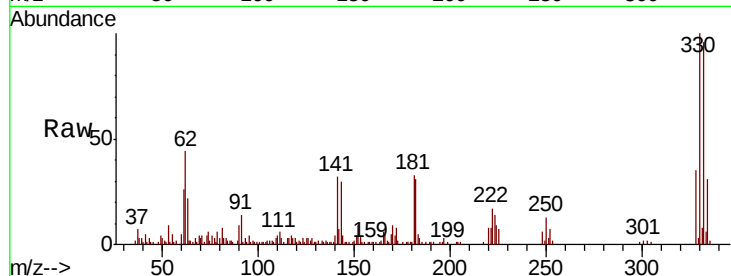
ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion	Ratio	Resp	Lower	Upper
330	100	57385		
332	97.7		76.8	115.2
141	37.9		26.3	39.5

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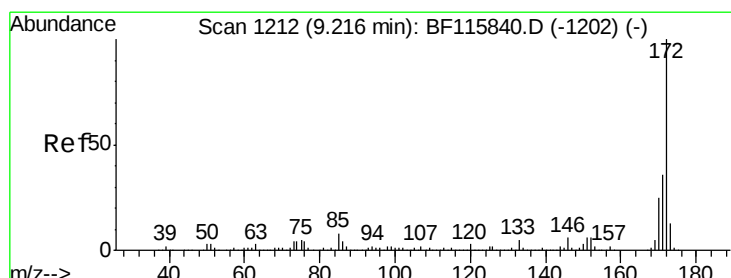
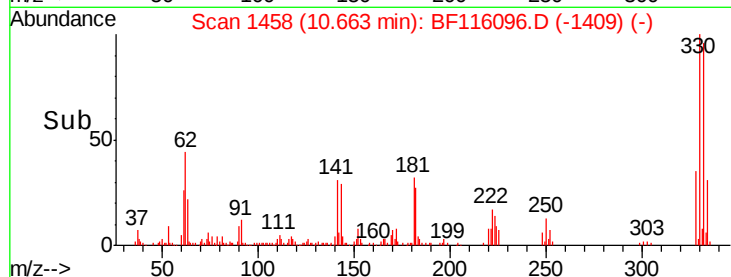
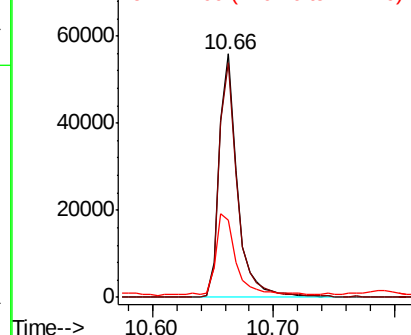


Abundance

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: 22.280 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

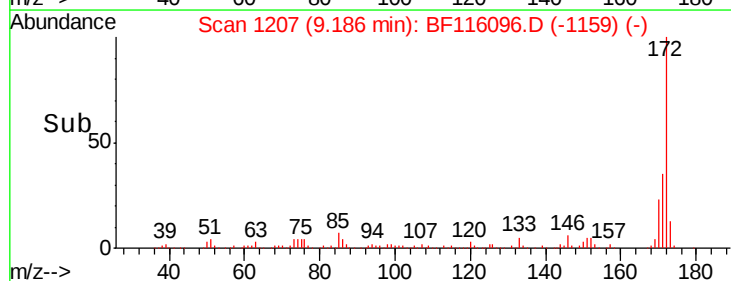
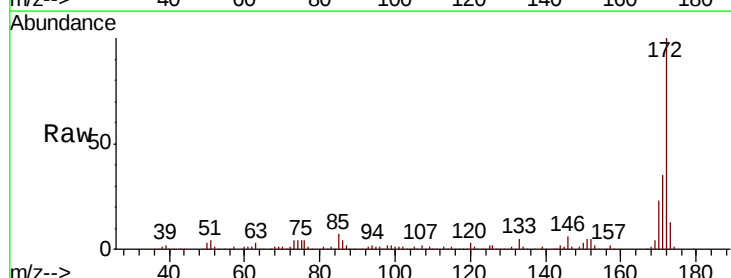
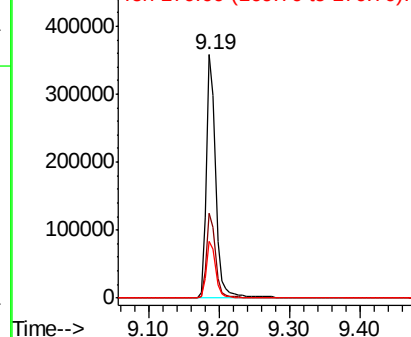
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	337210		
171	34.9		29.6	44.4
170	23.4		20.1	30.1

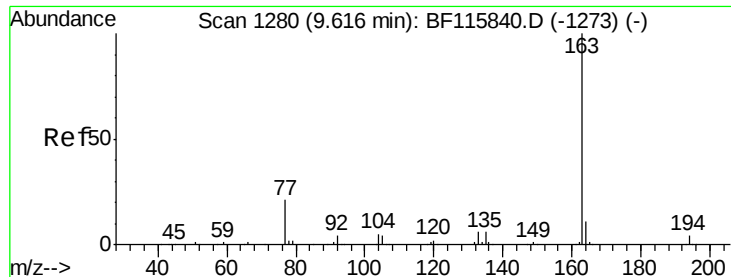
Abundance

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: 3.299 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

Instrument :

BNA_F

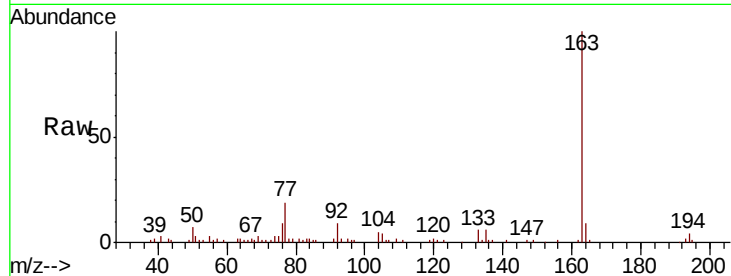
ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion:	163	Resp:	63678
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	9.2	8.4	12.6

Manual Integrations
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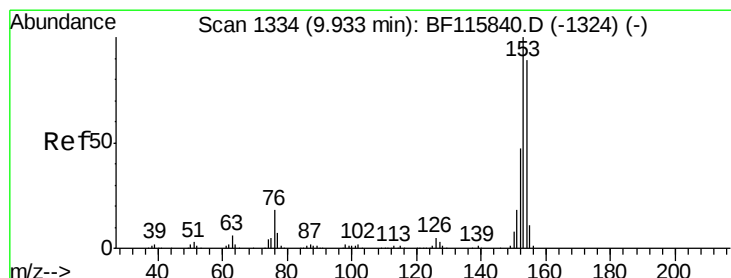
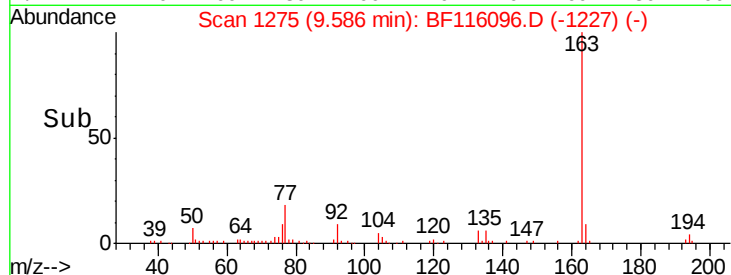
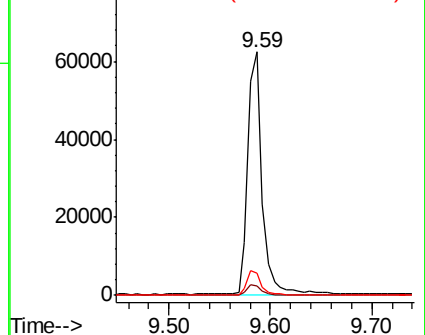


Abundance

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: 3.968 ng

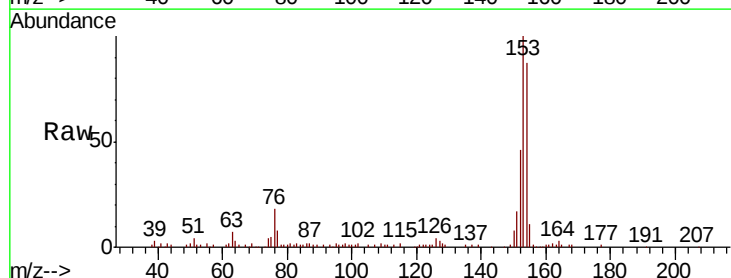
RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

Tgt Ion:	154	Resp:	59160
Ion Ratio	Lower	Upper	
154	100		
153	114.3	89.4	134.0
152	52.4	42.3	63.5

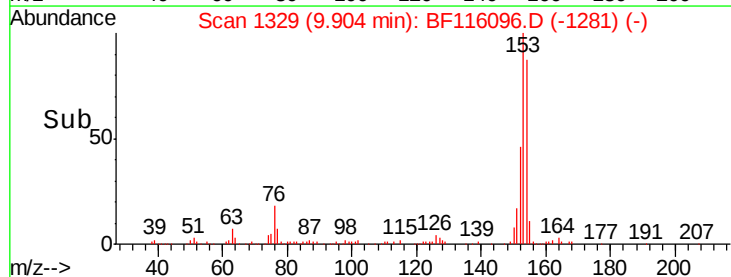
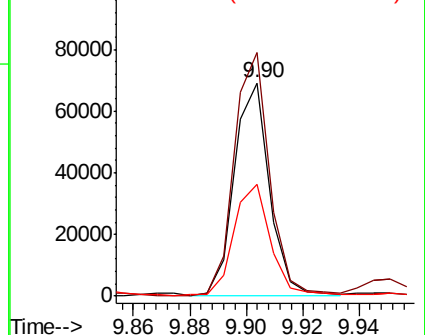


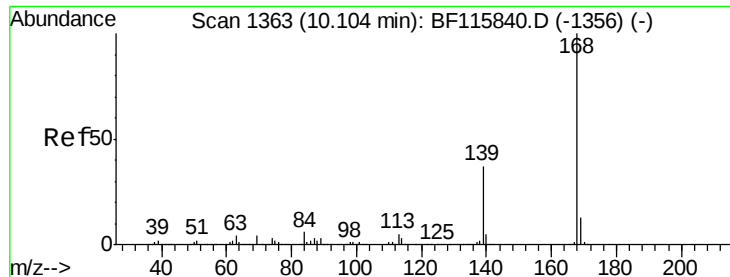
Abundance

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





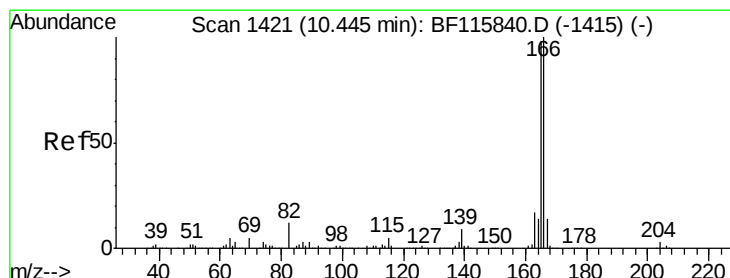
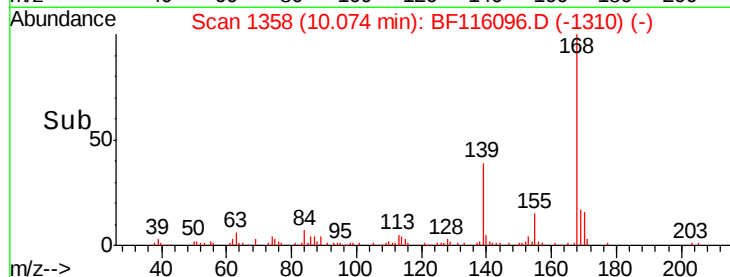
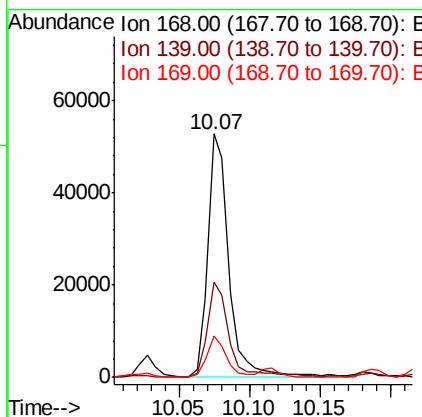
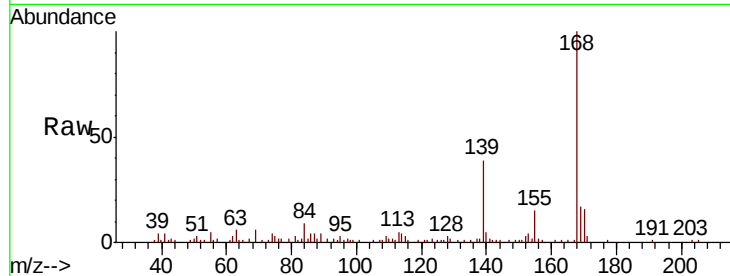
#55
Dibenzofuran
Concen: 2.544 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.02 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Instrument :
BNA_F
ClientSampleId :
TRIPLE-BARREL-BC-WEST

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.4	47.2
169	17.3	10.9	16.3

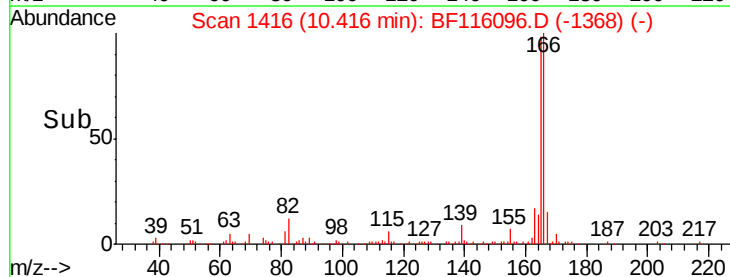
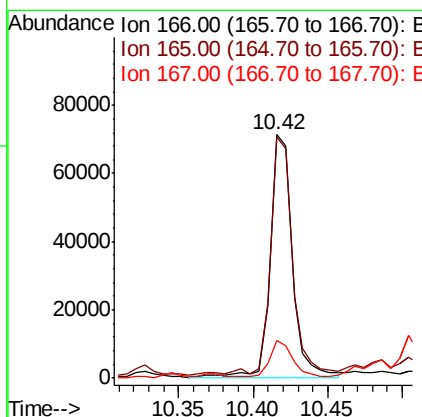
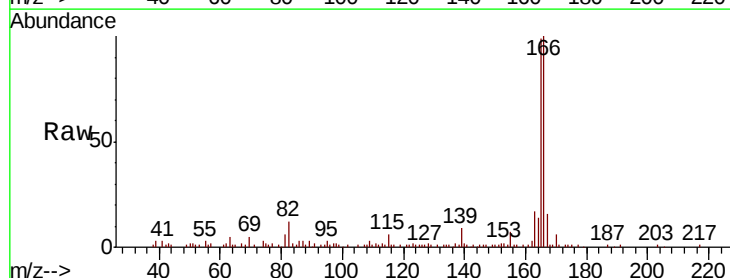
Manual Integrations
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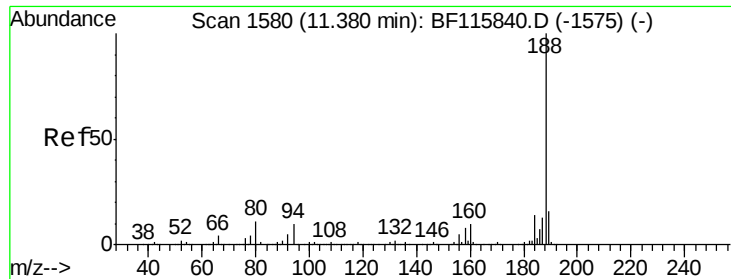
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#58
Fluorene
Concen: 4.439 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.4	117.6
167	15.5	11.0	16.4





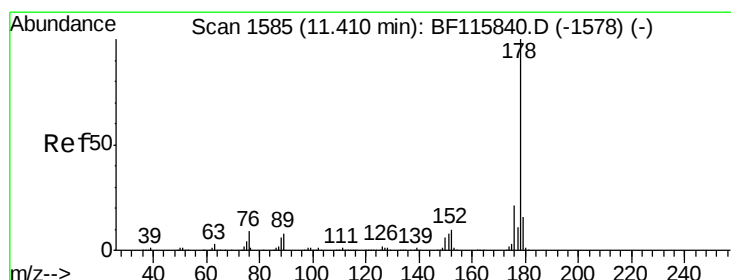
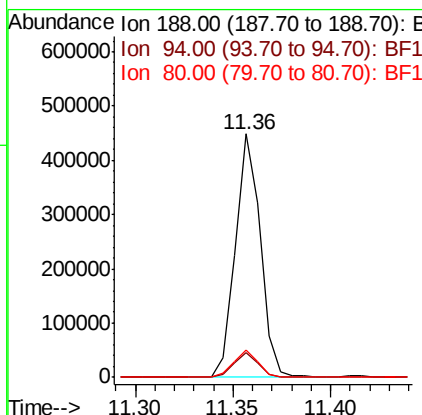
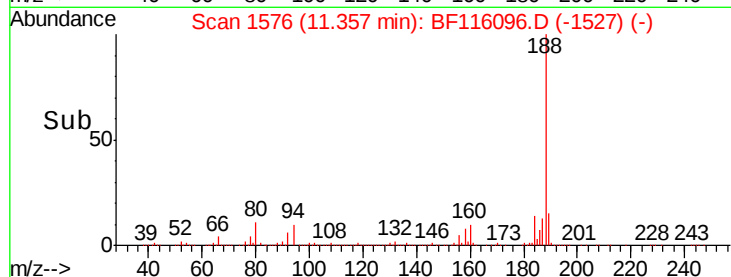
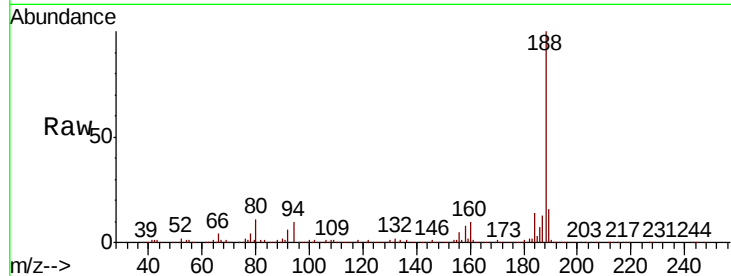
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Instrument :
BNA_F
ClientSampleId :
TRIPLE-BARREL-BC-WEST

Tot Ion	Ratio	Resp	Lower	Upper
188	100	398560		
94	10.1		8.1	12.1
80	11.4		8.7	13.1

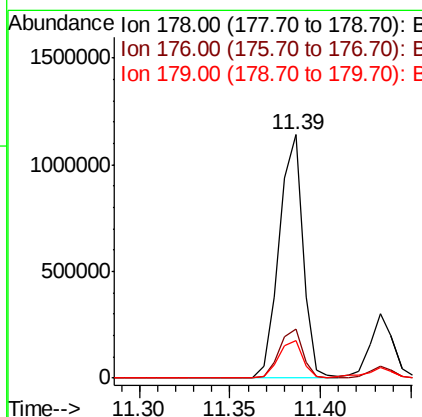
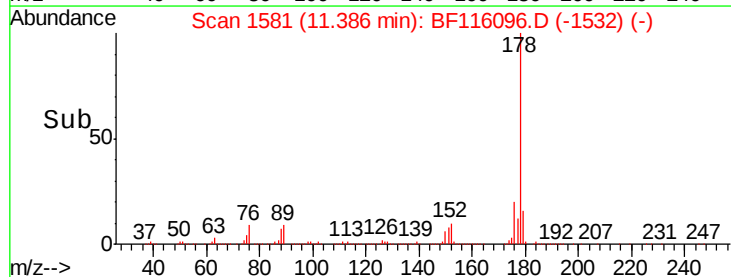
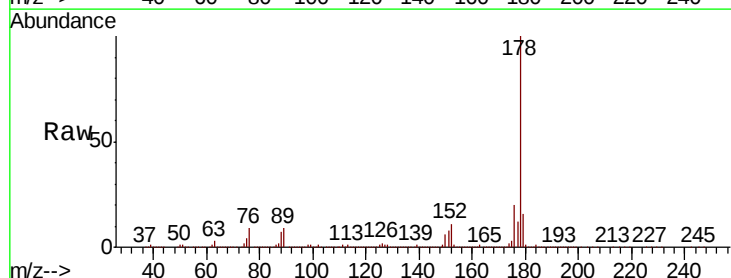
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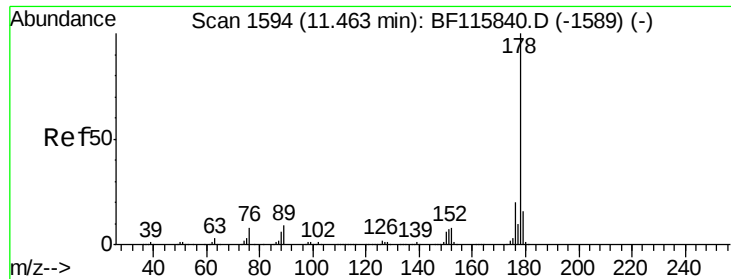
mohammad
8/14/2019 9:21:56 AM



#71
Phenanthrene
Concen: 51.101 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1041205		
176	20.2		16.6	24.8
179	15.6		12.5	18.7





#72

Anthracene

Concen: 12.250 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

Instrument :

BNA_F

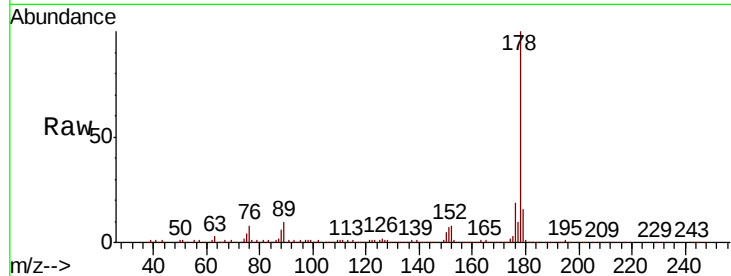
ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion:	178	Resp:	252612
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.7	23.5
179	16.2	13.0	19.6

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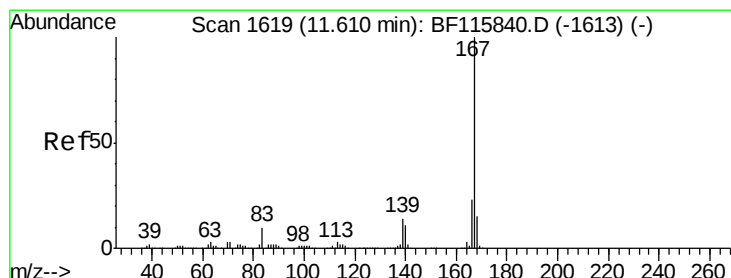
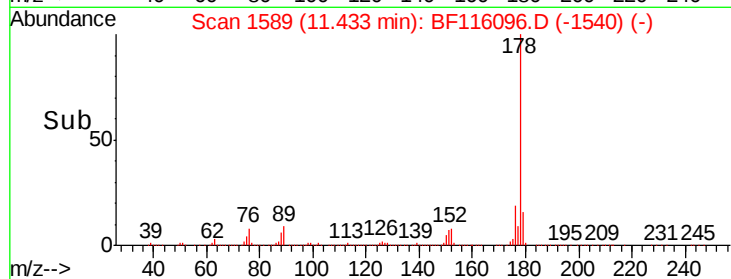
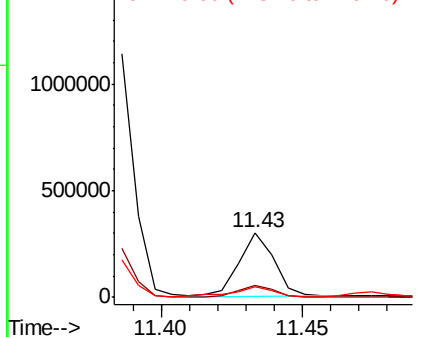


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 5.041 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

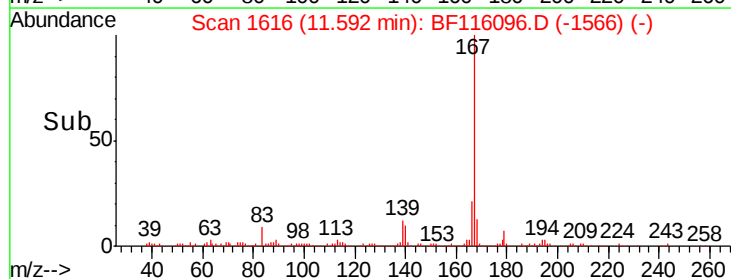
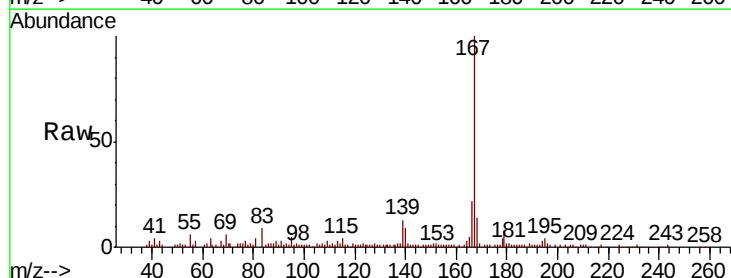
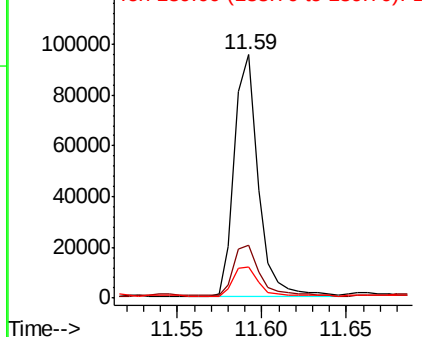
Tgt Ion:	167	Resp:	94306
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.8	26.6
139	12.8	11.4	17.0

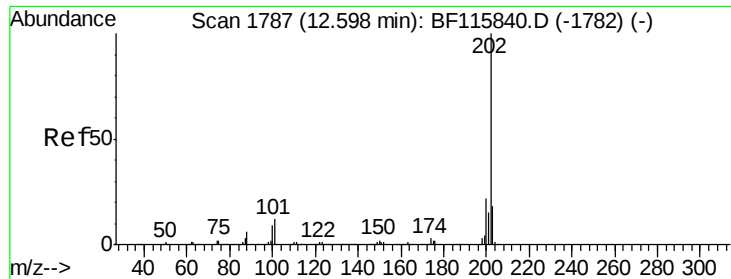
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 59.583 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

Instrument :

BNA_F

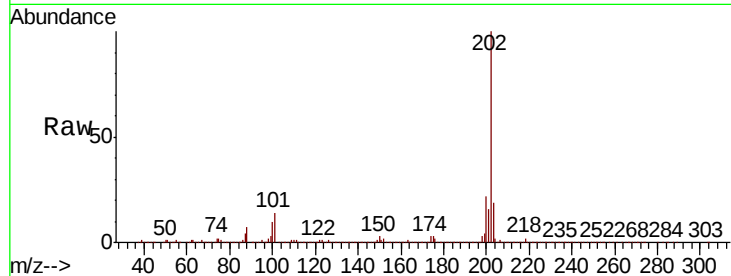
ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion:202	Resp: 1270958
Ion Ratio	Lower Upper
202 100	
101 13.8	0.0 31.2
203 18.6	0.0 37.8

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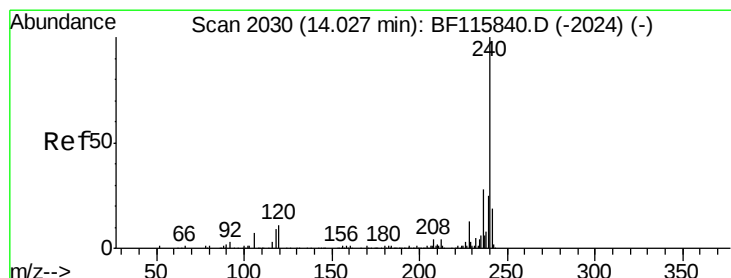
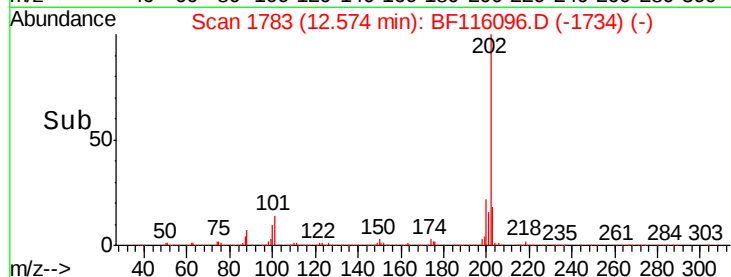
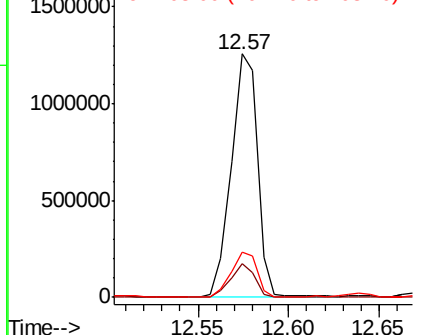


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

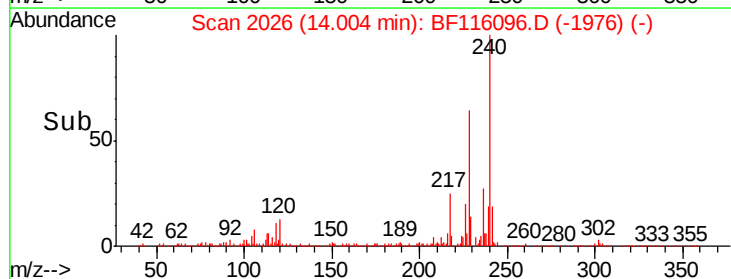
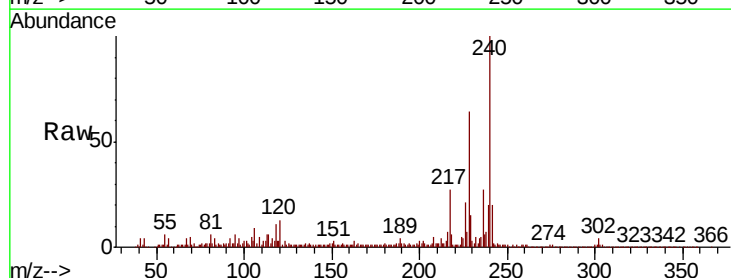
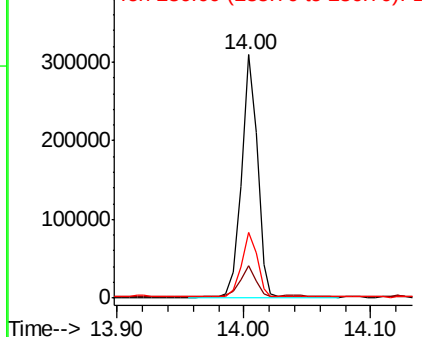
Tgt Ion:240	Resp: 264410
Ion Ratio	Lower Upper
240 100	
120 13.1	10.7 16.1
236 27.2	22.2 33.2

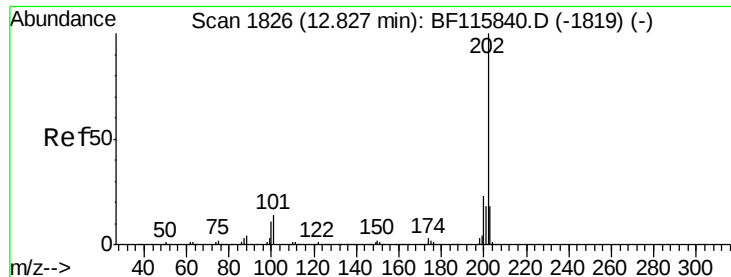
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 61.500 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

Instrument :

BNA_F

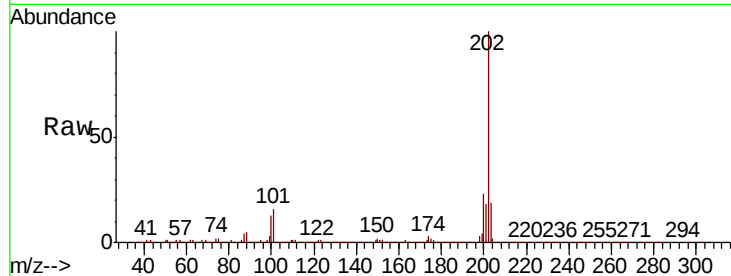
ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion:	202	Resp:	1225788
Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.0	27.0
203	18.6	14.1	21.1

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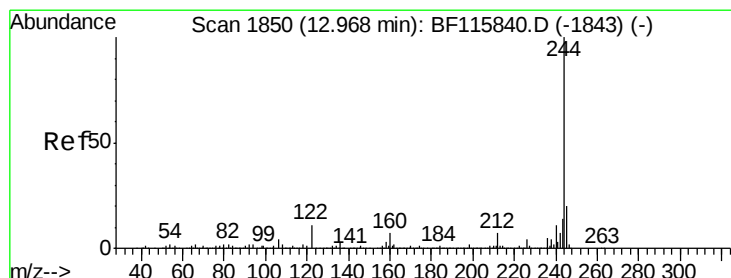
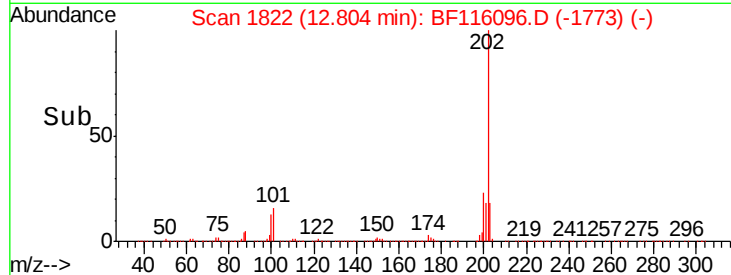
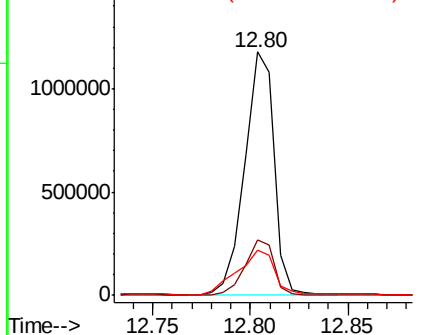


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 20.318 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

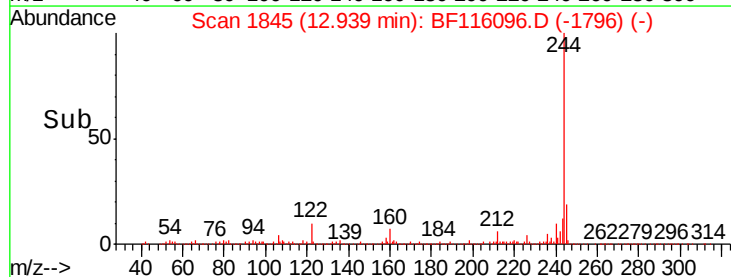
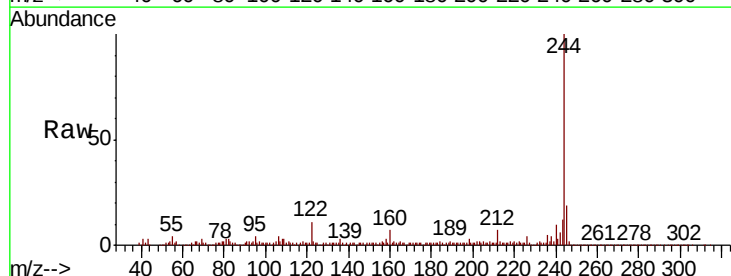
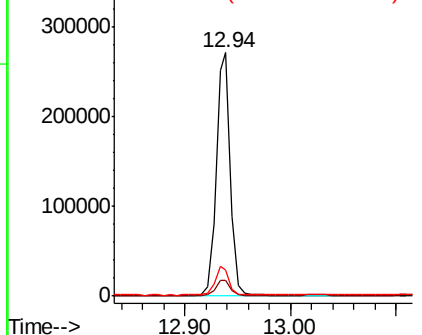
Tgt Ion:	244	Resp:	254953
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.6	9.0	13.4

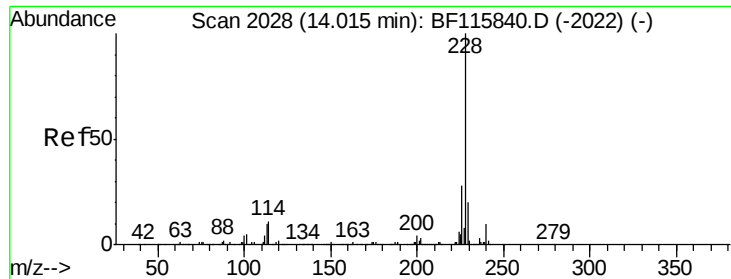
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 37.923 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116096.D

Acq: 9 Aug 2019 4:17

Instrument :

BNA_F

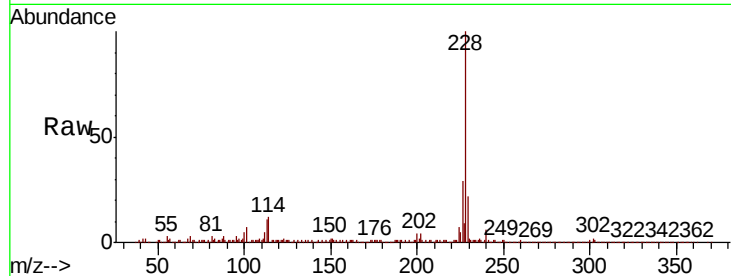
ClientSampleId :

TRIPLE-BARREL-BC-WEST

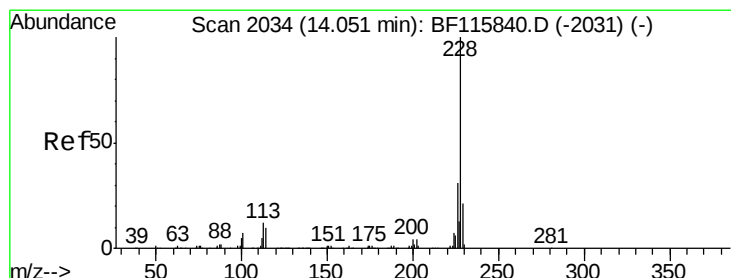
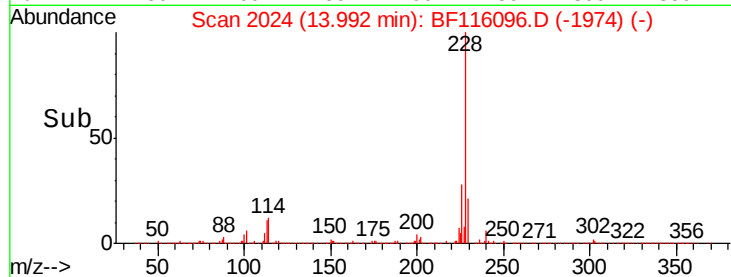
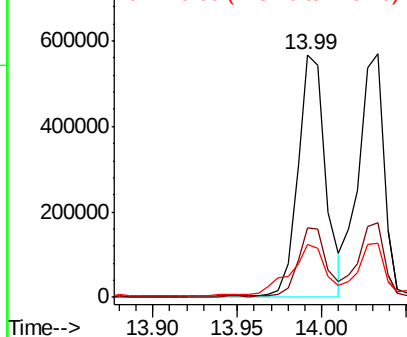
Tot Ion:	228	Resp:	640904
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.7	34.1
229	21.9	16.2	24.4

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



#83

Chrysene

Concen: 36.509 ng

RT: 14.03 min Scan# 2031

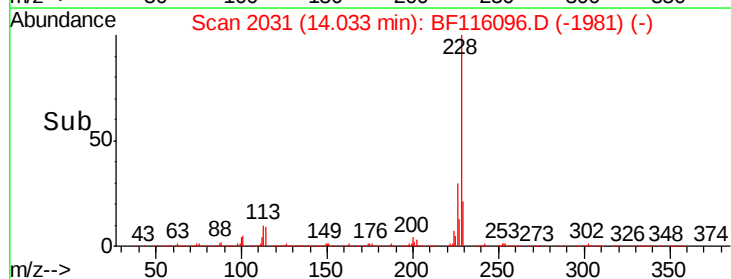
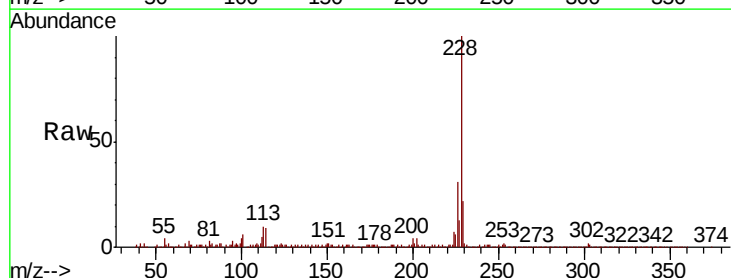
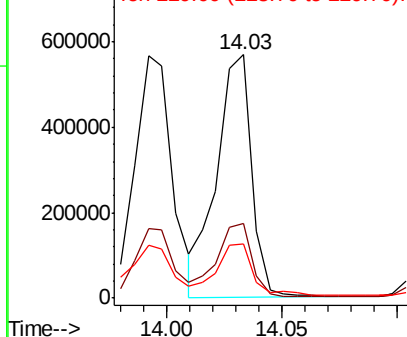
Delta R.T. -0.01 min

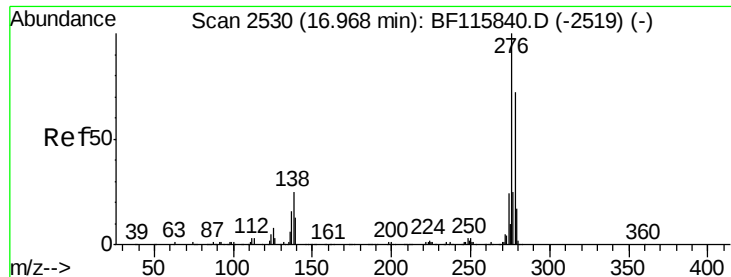
Lab File: BF116096.D

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Tgt Ion:	228	Resp:	599018
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.5	38.3
229	22.3	16.6	24.8

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





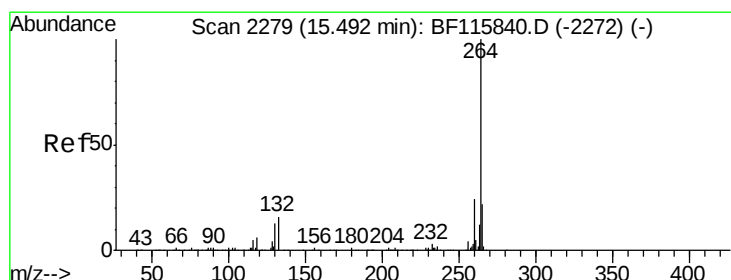
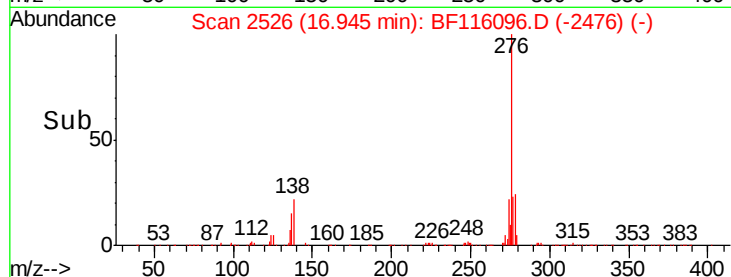
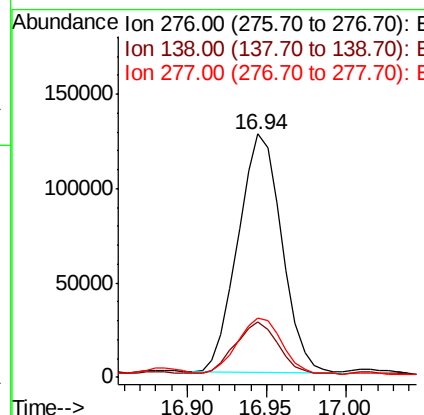
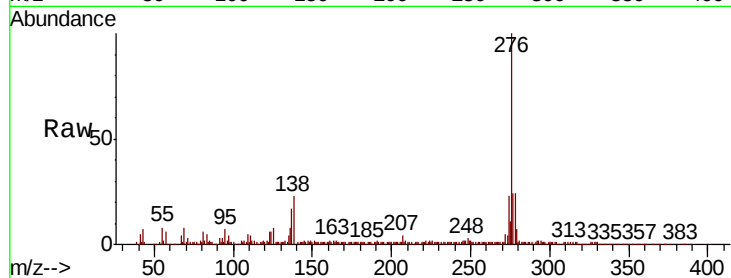
#86
Indeno(1,2,3-cd)pyrene
Concen: 17.604 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Instrument :
BNA_F
ClientSampleId :
TRIPLE-BARREL-BC-WEST

Tot Ion	Ratio	Resp	Lower	Upper
276	100	242585		
138	22.0		20.4	30.6
277	24.4		20.0	30.0

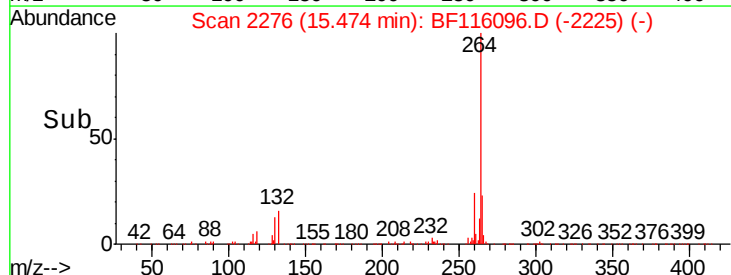
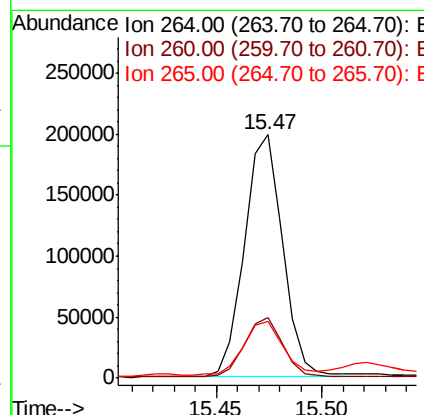
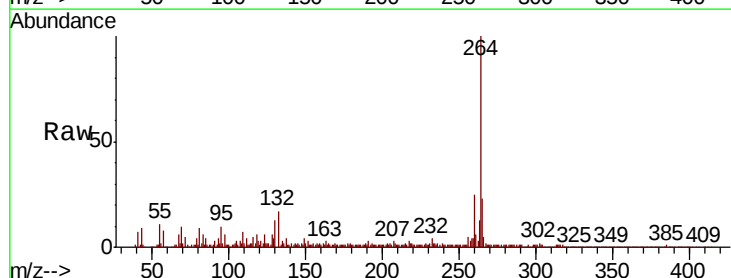
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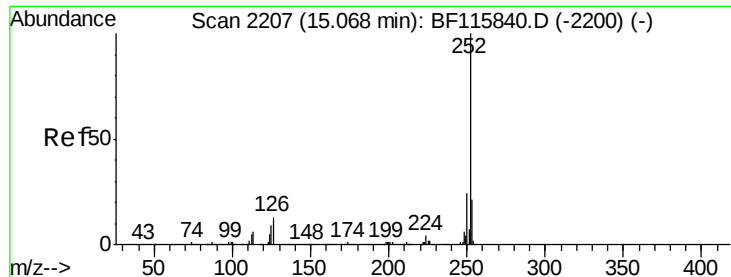
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	248496		
260	24.8		19.7	29.5
265	23.4		17.4	26.0





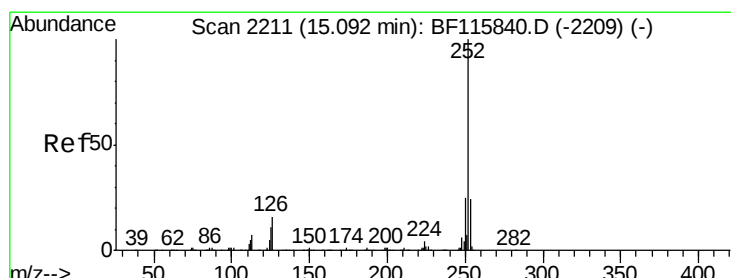
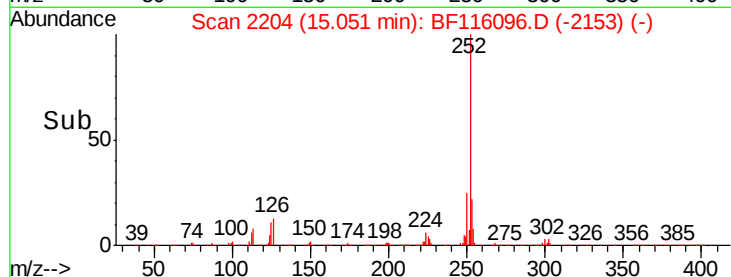
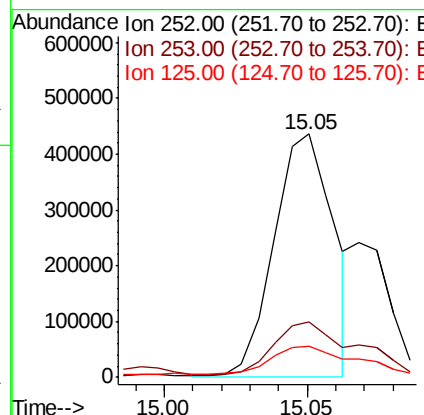
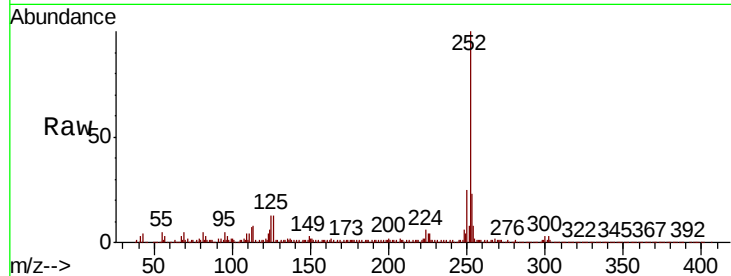
#88
Benzo(b)fluoranthene
Concen: 44.330 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Instrument :
BNA_F
ClientSampleId :
TRIPLE-BARREL-BC-WEST

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.8	8.4	12.6

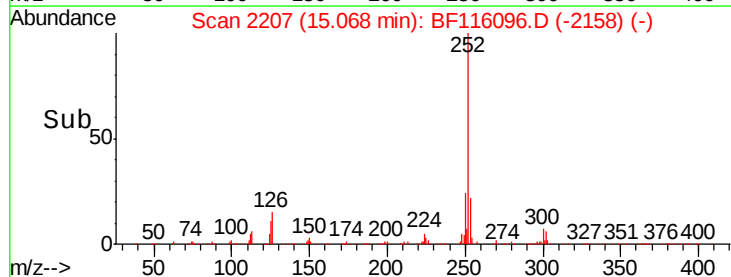
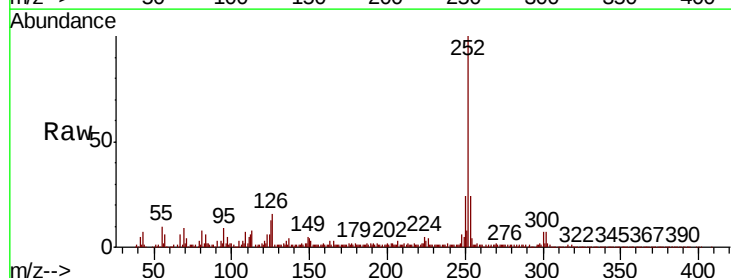
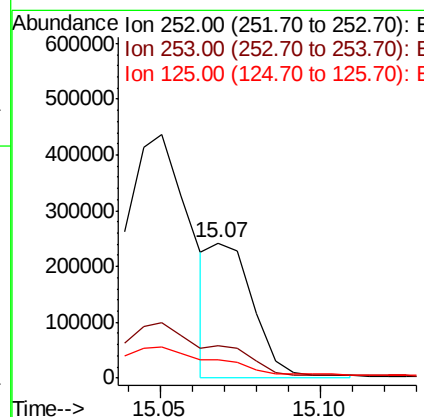
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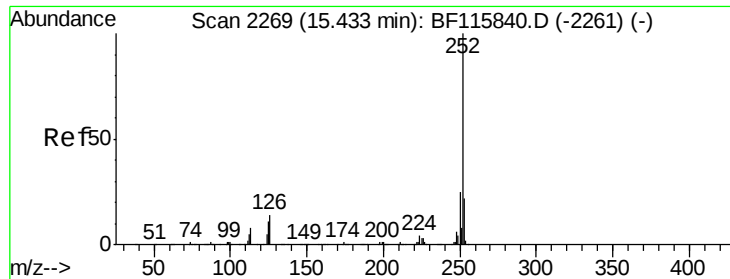
mohammad
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#89
Benzo(k)fluoranthene
Concen: 16.213 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	13.5	7.7	11.5





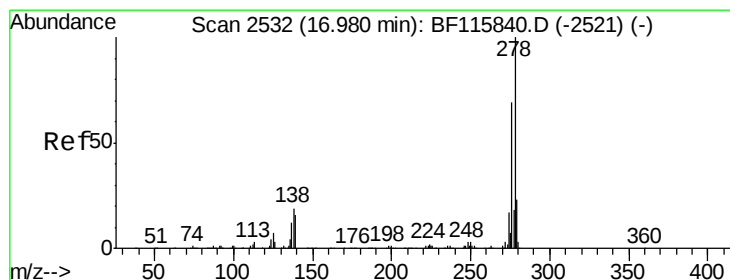
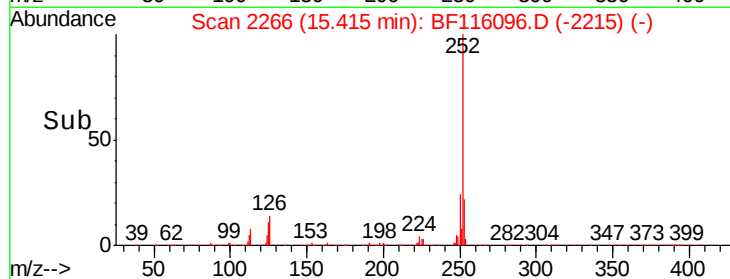
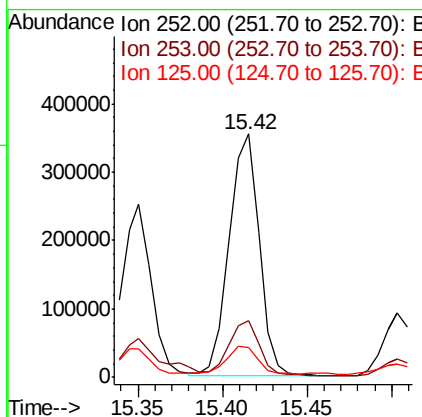
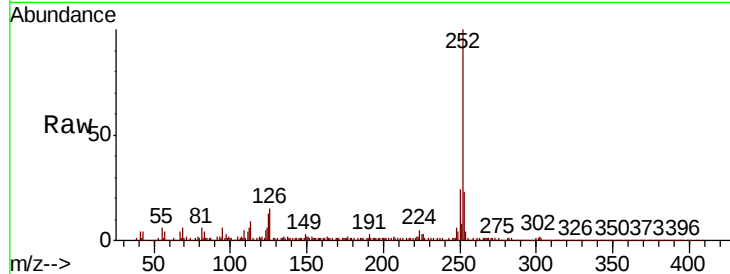
#90
Benzo(a)pyrene
Concen: 34.274 ng
RT: 15.42 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Instrument :
BNA_F
ClientSampleId :
TRIPLE-BARREL-BC-WEST

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.5	8.9	13.3

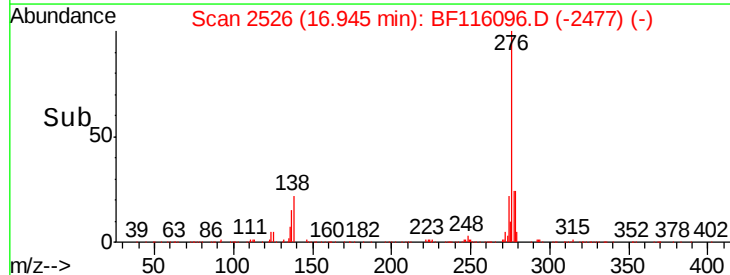
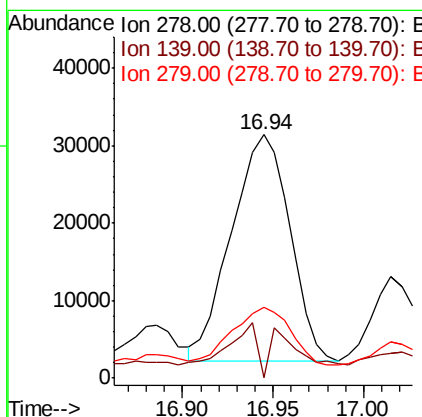
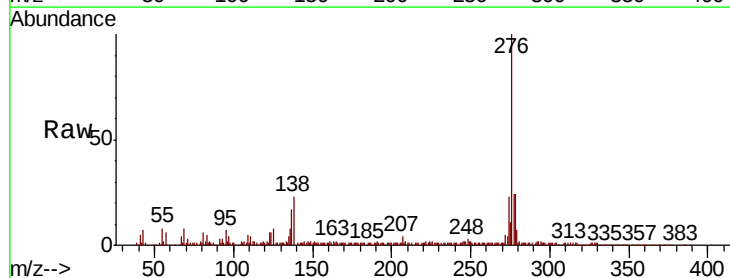
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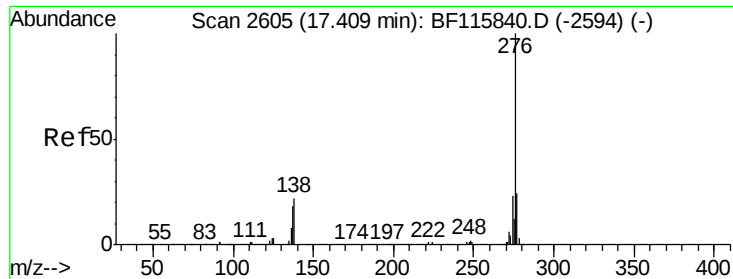
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 5.869 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116096.D
Acq: 9 Aug 2019 4:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	29.3	18.8	28.2#





#92
 Benzo(a,h,i)perylene
 Concen: 21.550 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.01 min
 Lab File: BF116096.D
 Acq: 9 Aug 2019 4:17

Instrument :
 BNA_F
 ClientSampleId :
 TRIPLE-BARREL-BC-WEST

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.4	18.4	27.6		
138	23.9	17.0	25.6		

Manual Integrations
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 8/14/2019 9:21:56 AM

