

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
 Data File : BF116055.D
 Acq On : 7 Aug 2019 19:21
 Operator : HP/JU
 Sample : K4192-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
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 8/8/2019 4:46:58 PM

Quant Time: Aug 08 08:15:56 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	6.85	152	139230	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	525744	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	247688	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	353123	20.00	ng	0.00
76) Chrysene-d12	14.01	240	283269	20.00	ng	0.00
87) Perylene-d12	15.47	264	345457	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	735051	88.38	ng	0.00
7) Phenol-d6	6.48	99	938183	89.41	ng	0.00
23) Nitrobenzene-d5	7.40	82	611316	67.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	175998	73.29	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1036072	78.35	ng	0.00
79) Terphenyl-d14	12.94	244	830588	61.79	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.74	152	62591	2.948	ng	97
50) Dimethylphthalate	9.59	163	194505	11.533	ng	98
52) Acenaphthene	9.91	154	46624	3.579	ng	100
55) Dibenzofuran	10.08	168	40441	2.135	ng	# 97
58) Fluorene	10.42	166	51256	3.517	ng	95
71) Phenanthrene	11.39	178	807178	44.713	ng	100
72) Anthracene	11.44	178	193789	10.607	ng	98
73) Carbazole	11.59	167	117867	7.111	ng	99
75) Fluoranthene	12.58	202	1399299	74.041	ng	97
78) Pyrene	12.81	202	1318709	61.757	ng	99
81) Benzo(a)anthracene	14.00	228	754197	41.656	ng	97
83) Chrysene	14.03	228	902971	51.370	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	233769	19.916	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	543719	36.829	ng	95
88) Benzo(b)fluoranthene	15.06	252	1288323m	64.498	ng	
89) Benzo(k)fluoranthene	15.07	252	452374m	23.252	ng	
90) Benzo(a)pyrene	15.42	252	808027	45.253	ng	98
91) Dibenzo(a,h)anthracene	16.95	278	140316m	9.078	ng	
92) Benzo(a,h,i)perylene	17.40	276	526797	34.705	ng	98

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

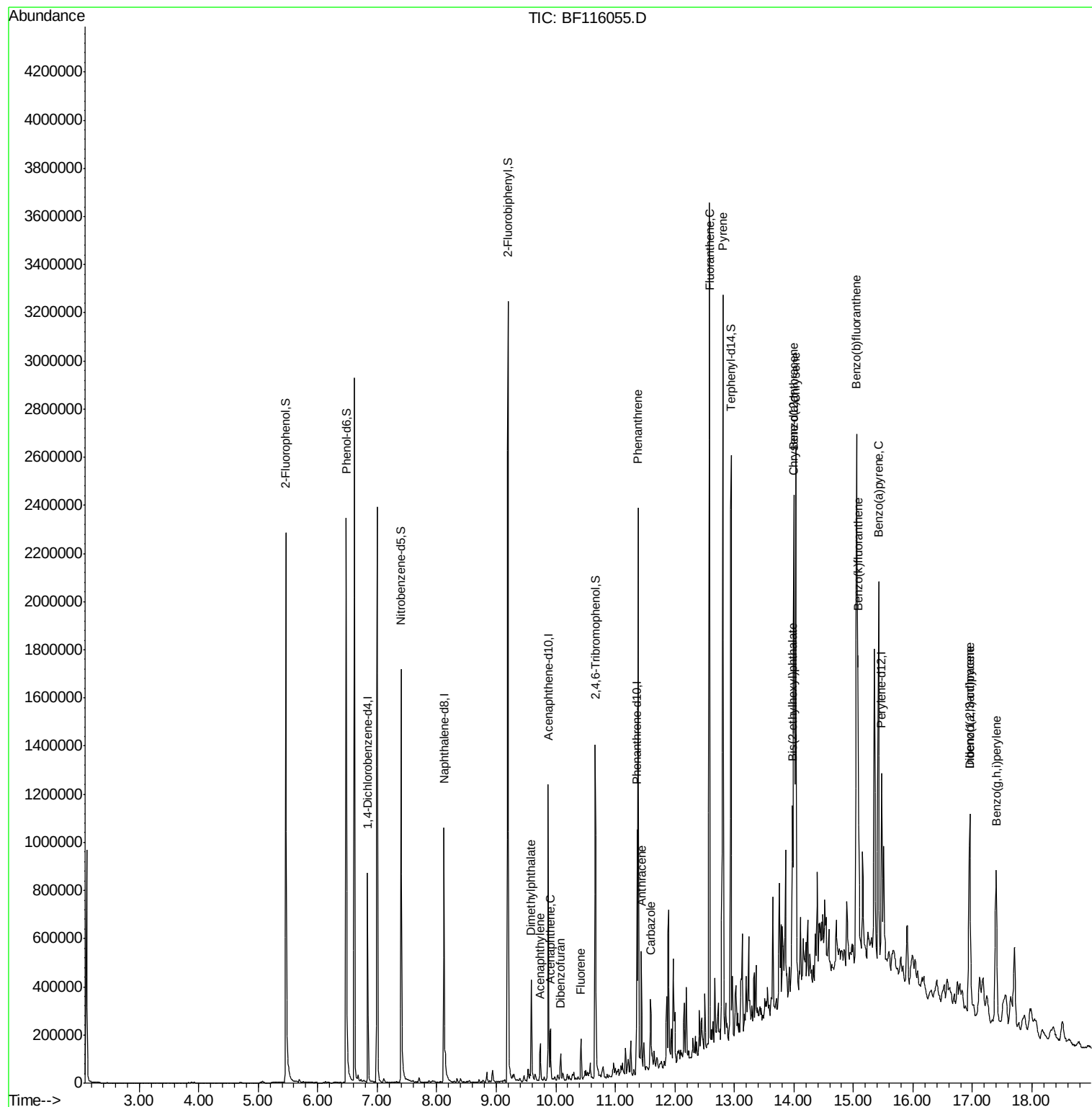
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
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ALS Vial : 19 Sample Multiplier: 1

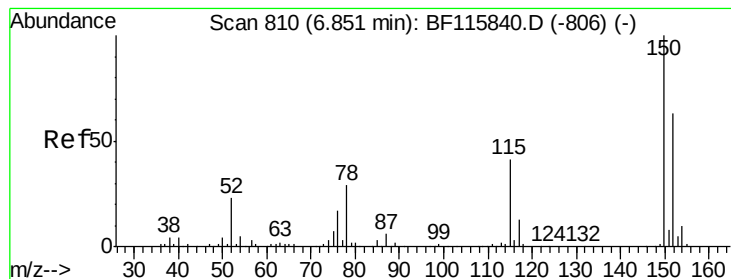
Instrument :
BNA_F
ClientSampleId :
TRIPLE-BARREL-BC-EAST

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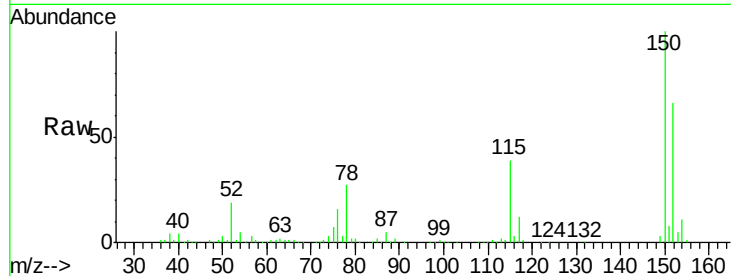
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	126.2	189.2
115	59.9	49.9	74.9

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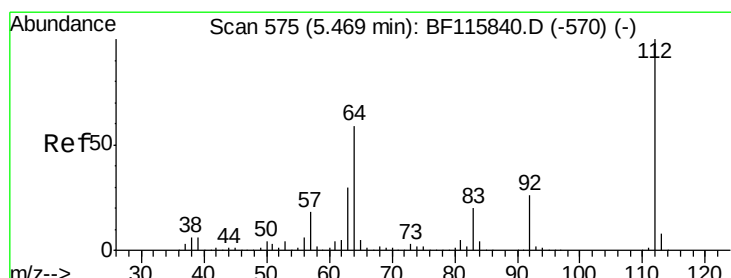
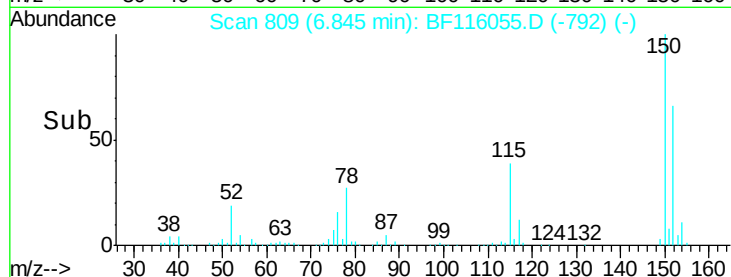
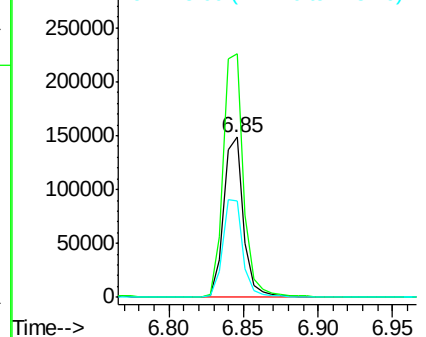


Abundance

Ion 152.00 (151.70 to 152.70): E

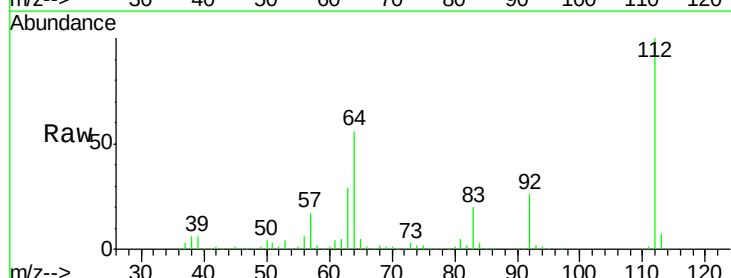
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 88.380 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.4	68.2
63	29.4	23.7	35.5

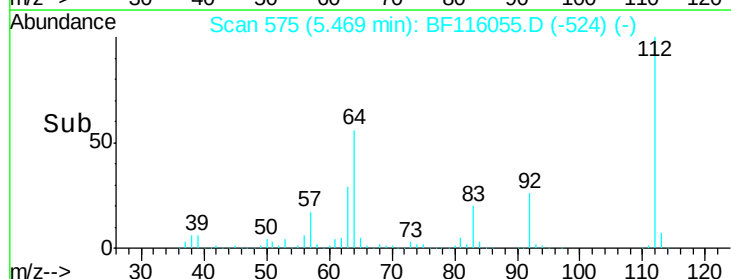
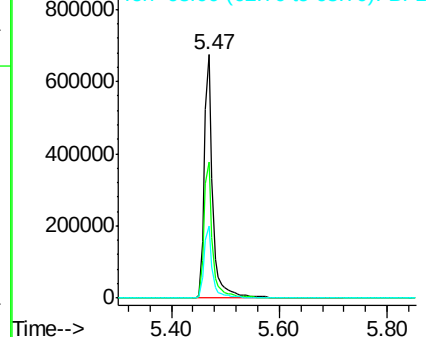


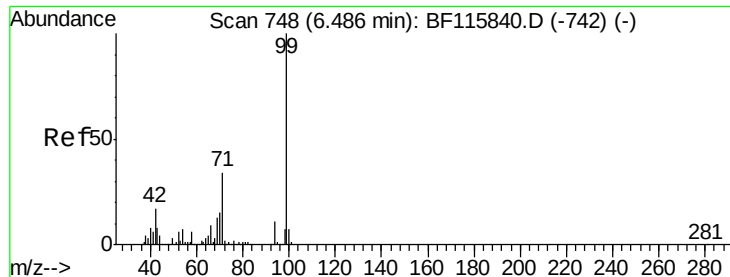
Abundance

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: 89.408 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 19:21

Instrument :

BNA_F

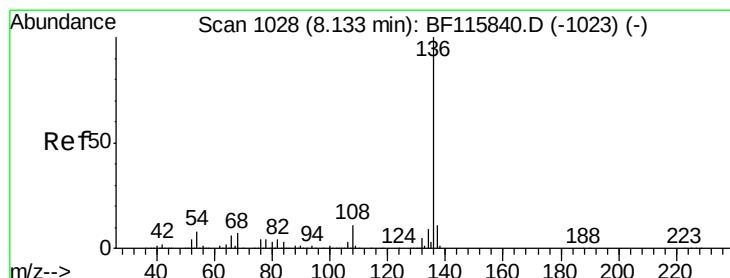
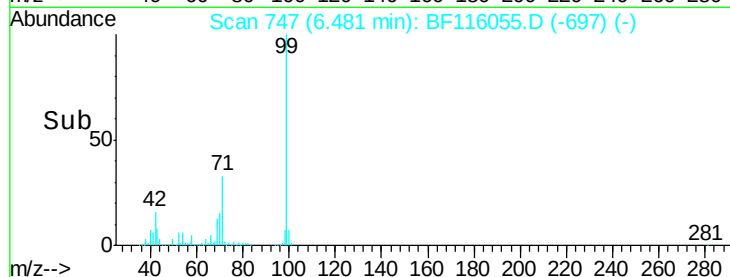
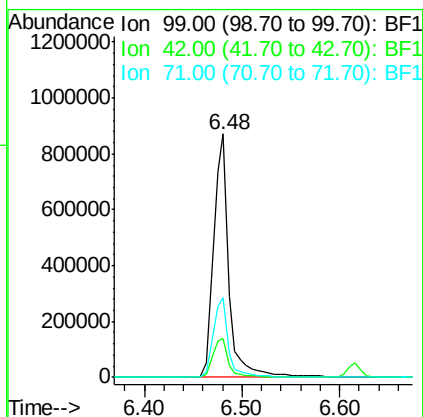
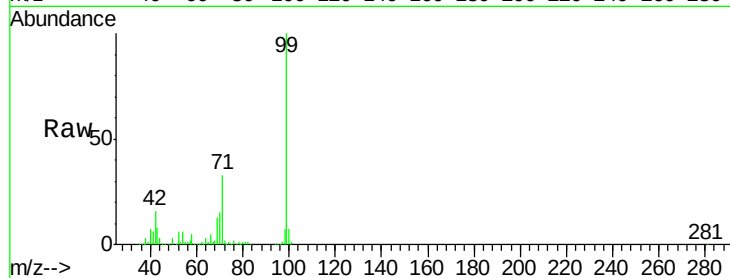
ClientSampleId :

TRIPLE-BARREL-BC-EAST

Tot Ion:	99	Resp:	938183
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.8	20.8
71	32.8	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

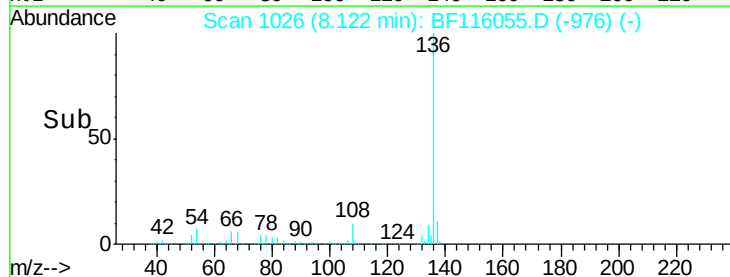
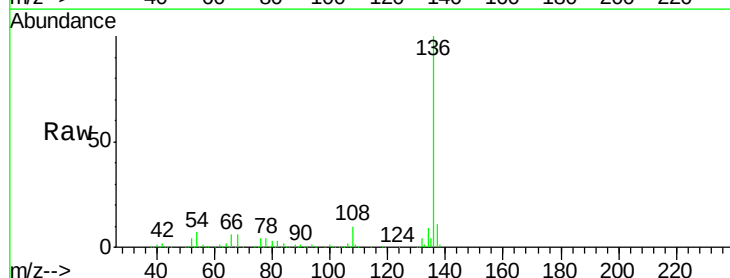
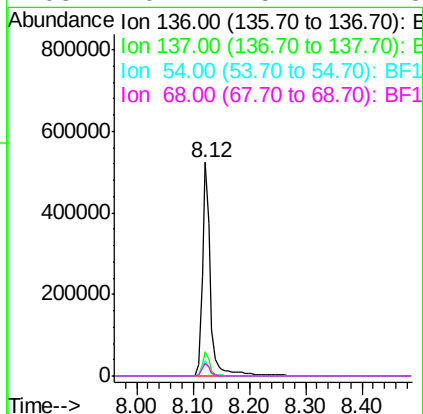
RT: 8.12 min Scan# 1026

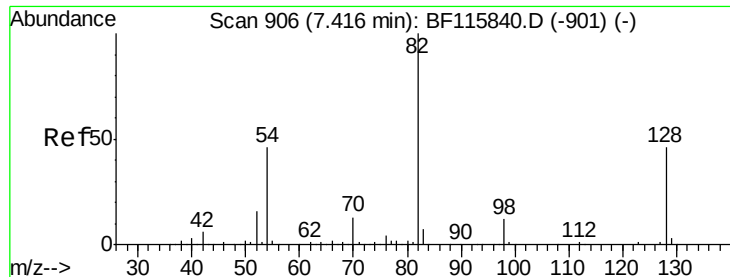
Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 19:21

Tgt Ion:	136	Resp:	525744
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.2	5.8	8.6
68	6.1	5.2	7.8





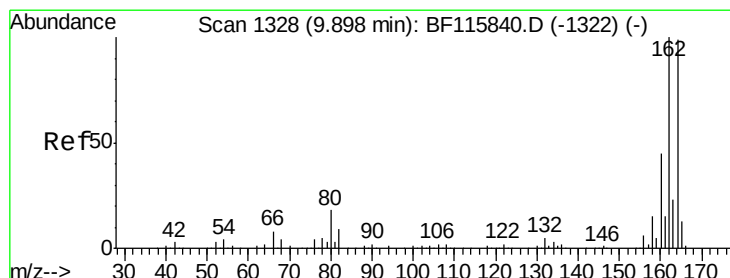
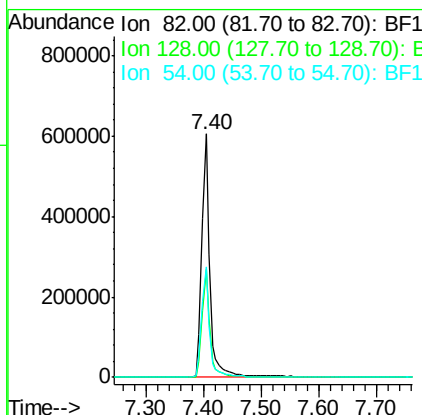
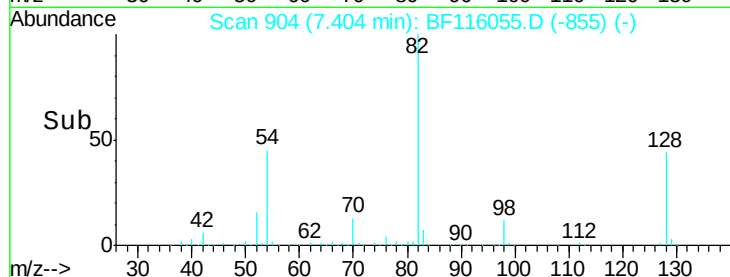
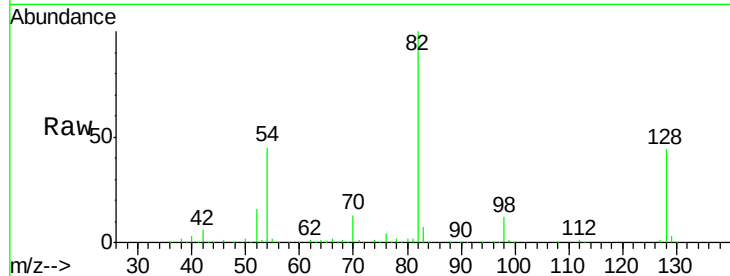
#23
Nitrobenzene-d5
Concen: 67.118 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.5	54.7
54	45.3	36.0	54.0

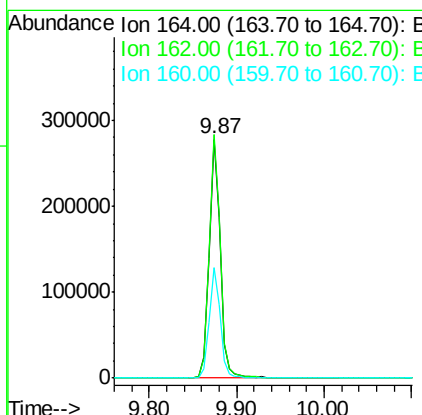
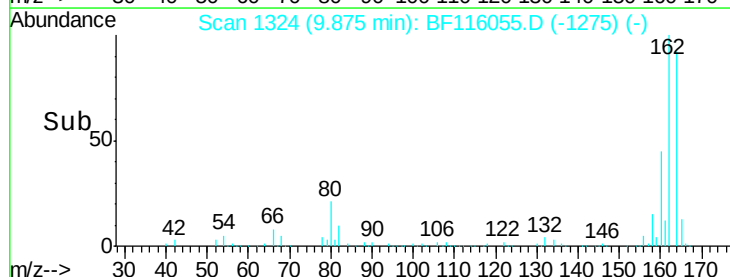
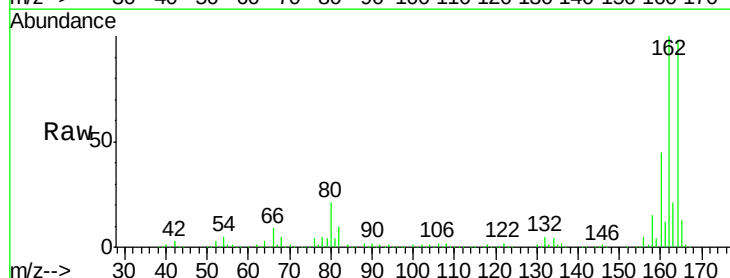
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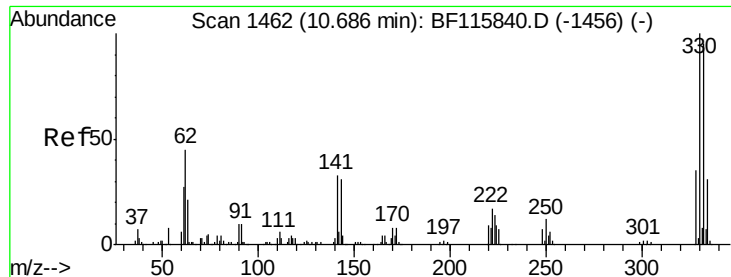
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	124.0
160	46.1	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 73.290 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 19:21

Instrument :

BNA_F

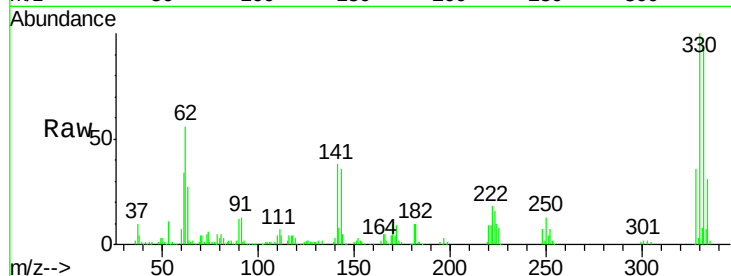
ClientSampleId :

TRIPLE-BARREL-BC-EAST

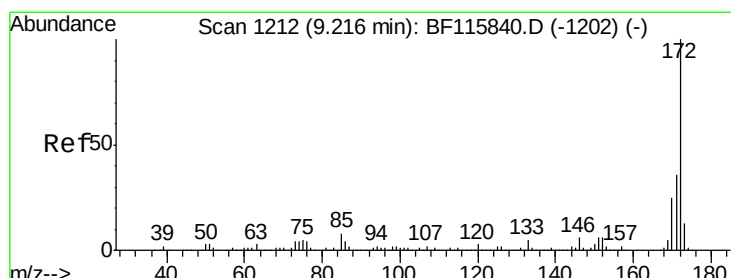
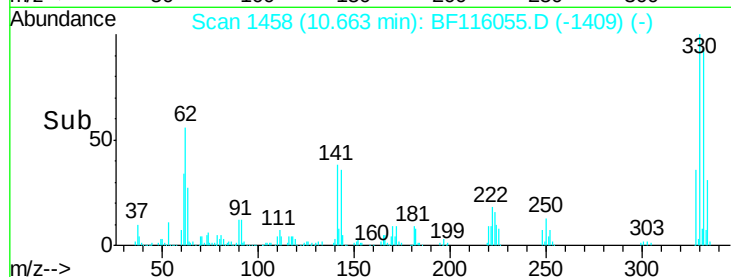
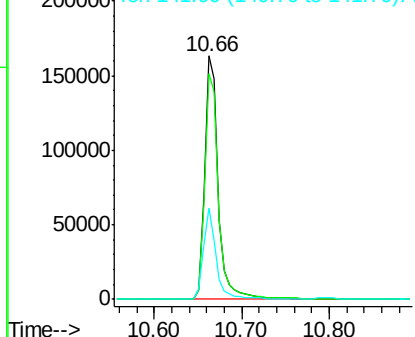
Tot Ion:	330	Resp:	175998
Ion Ratio	Lower	Upper	
330	100		
332	94.7	76.8	115.2
141	36.5	26.3	39.5

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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: 78.350 ng

RT: 9.20 min Scan# 1209

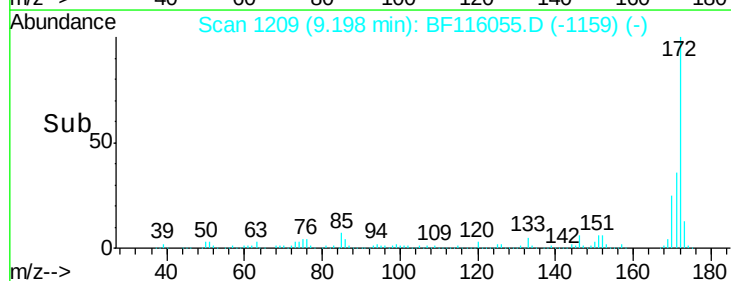
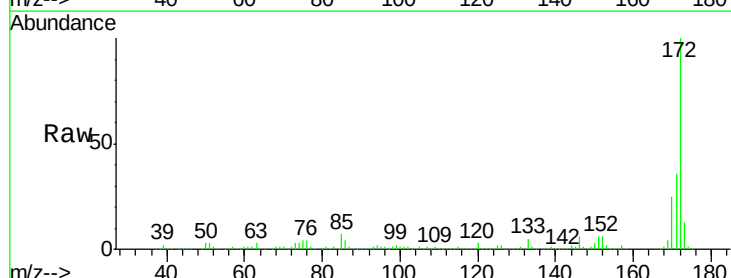
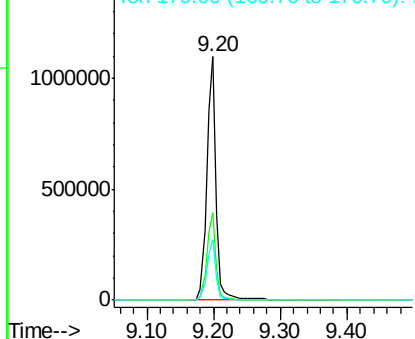
Delta R.T. -0.01 min

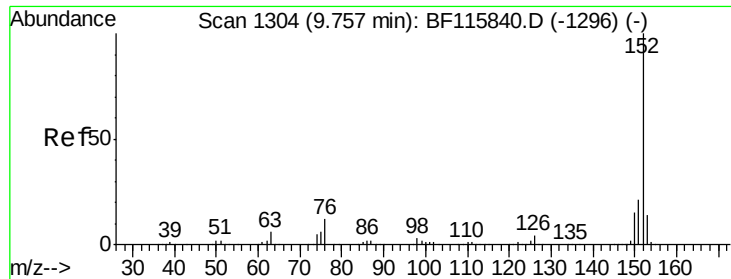
Lab File: BF116055.D

Acq: 7 Aug 2019 19:21

Tgt Ion:	172	Resp:	1036072
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.6	44.4
170	24.7	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





#49

Acenaphthylene

Concen: 2.948 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 19:21

Instrument :

BNA_F

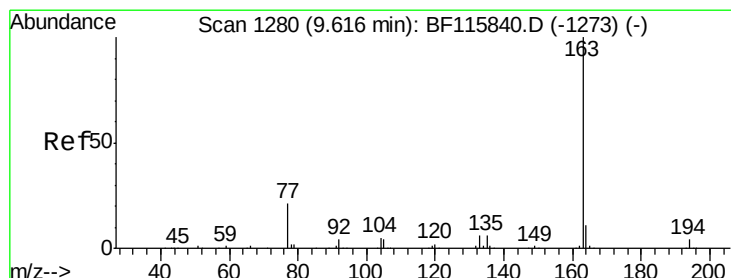
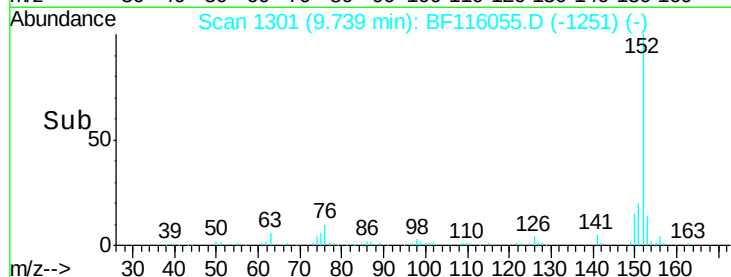
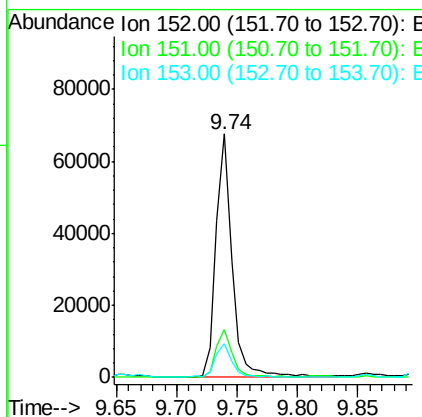
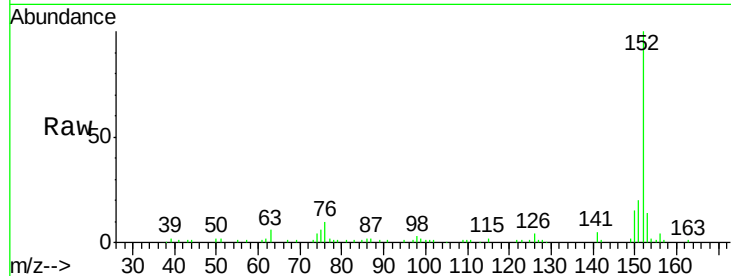
ClientSampleId :

TRIPLE-BARREL-BC-EAST

Tot Ion:	152	Resp:	62591
Ion Ratio	Lower	Upper	
152	100		
151	19.6	17.2	25.8
153	13.9	11.8	17.8

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#50

Dimethylphthalate

Concen: 11.533 ng

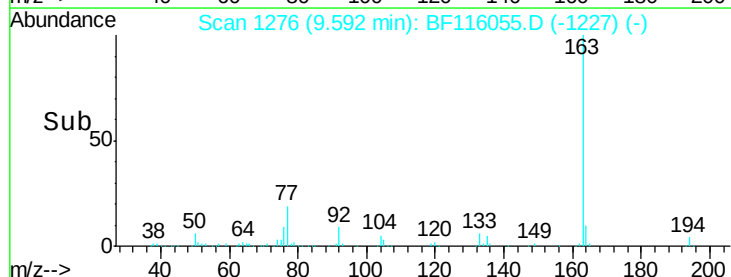
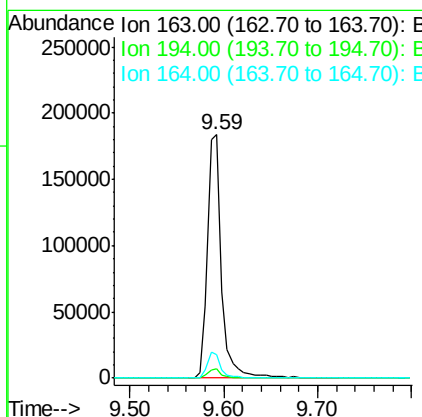
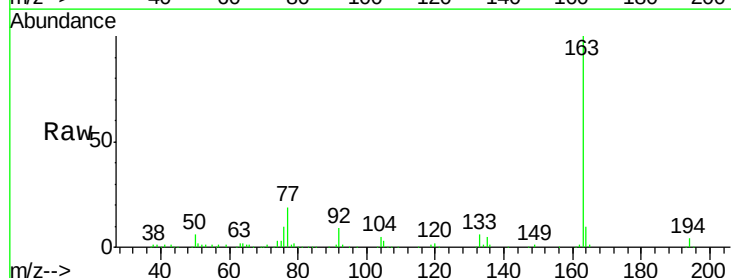
RT: 9.59 min Scan# 1276

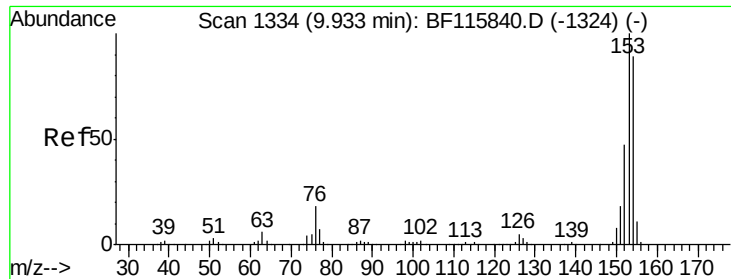
Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 19:21

Tgt Ion:	163	Resp:	194505
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	9.7	8.4	12.6





#52

Acenaphthene

Concen: 3.579 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 19:21

Instrument :

BNA_F

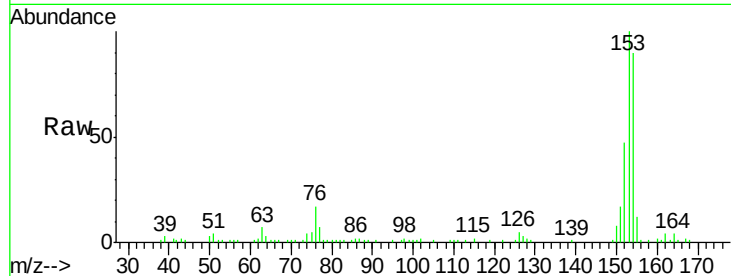
ClientSampleId :

TRIPLE-BARREL-BC-EAST

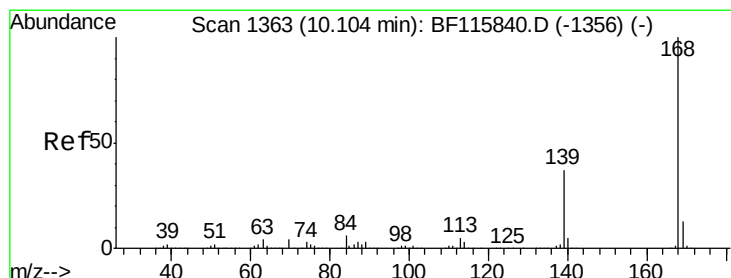
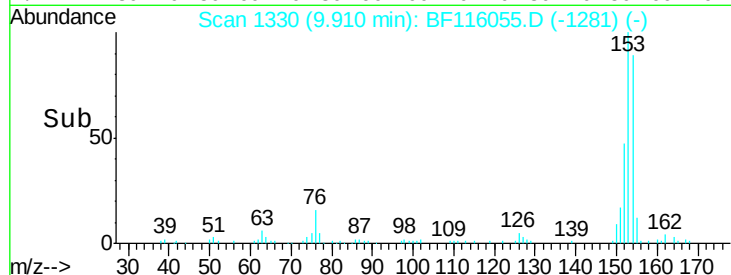
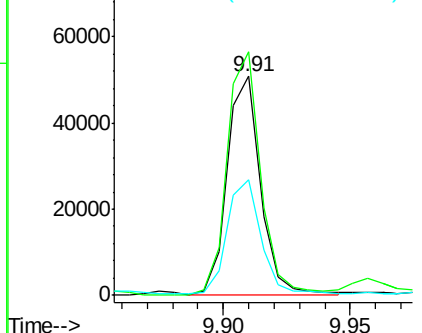
Tot Ion:	154	Resp:	46624
Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.4	134.0
152	52.7	42.3	63.5

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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: 2.135 ng

RT: 10.08 min Scan# 1359

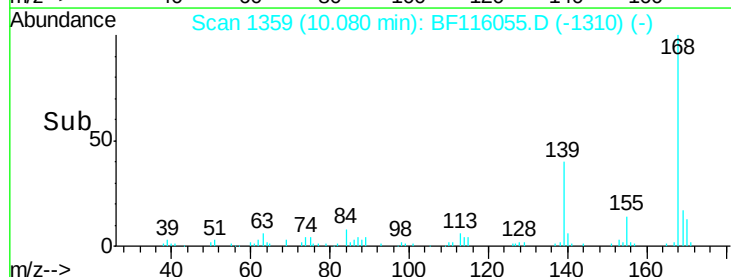
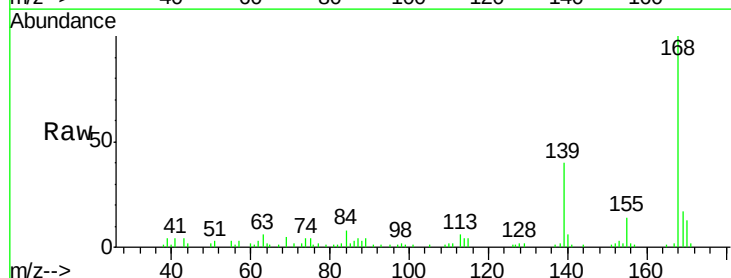
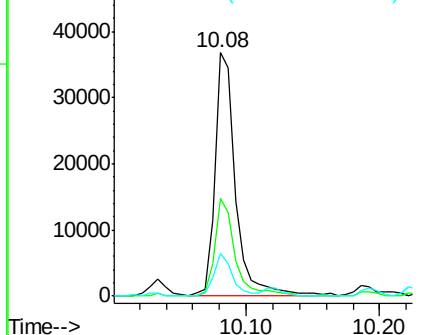
Delta R.T. -0.01 min

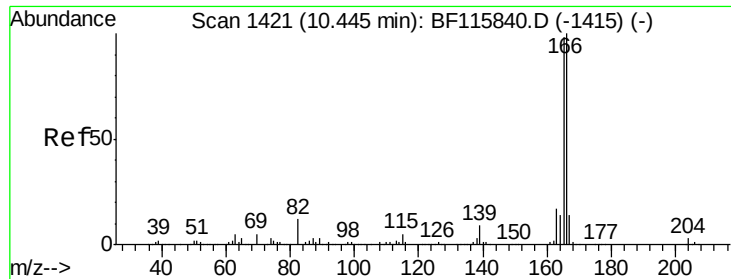
Lab File: BF116055.D

Acq: 7 Aug 2019 19:21

Tgt Ion:	168	Resp:	40441
Ion	Ratio	Lower	Upper
168	100		
139	40.2	31.4	47.2
169	17.3	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





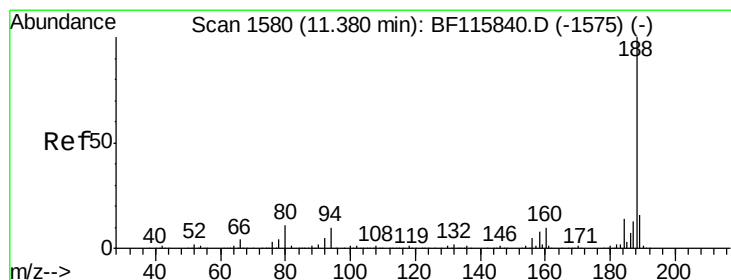
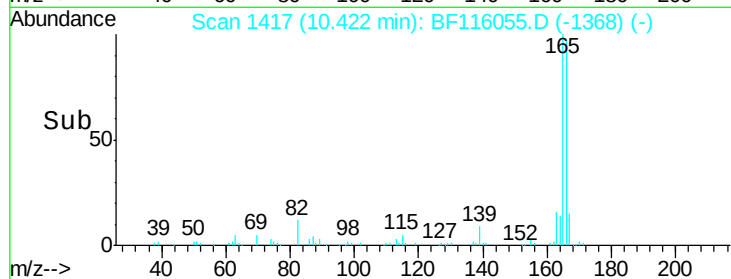
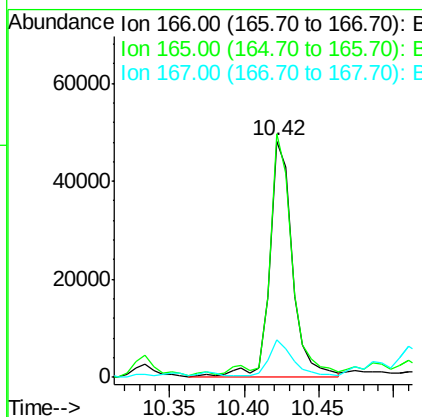
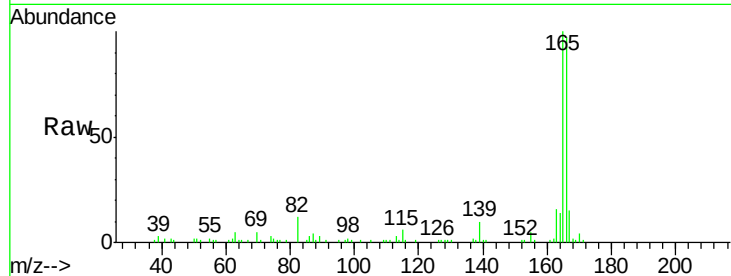
#58
 Fluorene
 Concen: 3.517 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.0	78.4	117.6
167	15.8	11.0	16.4

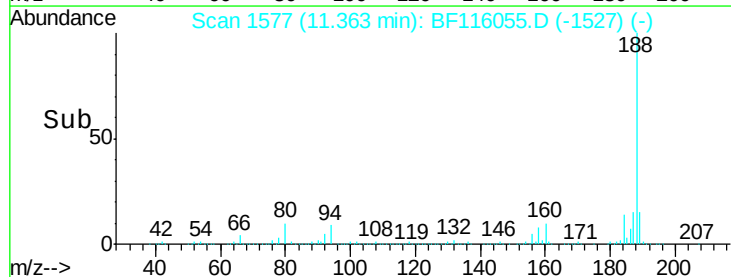
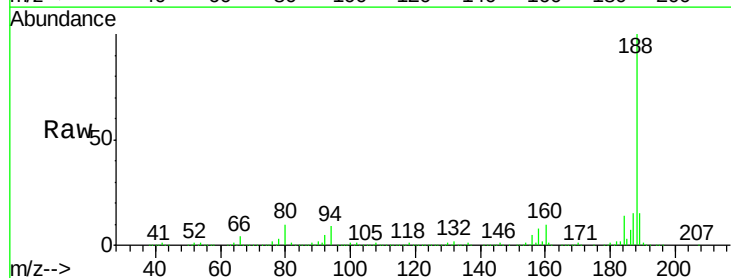
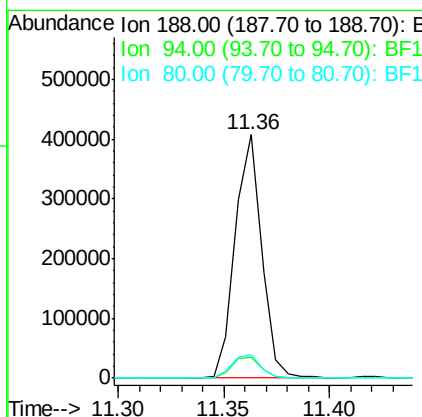
Manual Integrations
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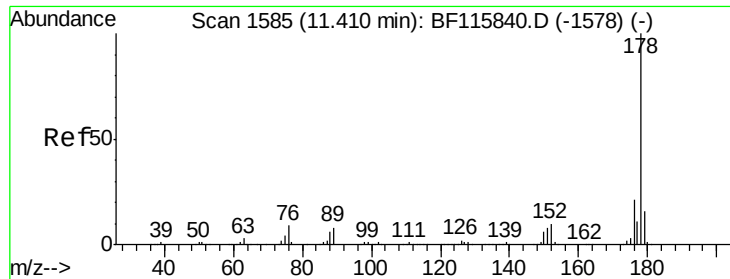
mohammad
 8/8/2019 4:46:58 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.1	12.1
80	9.9	8.7	13.1





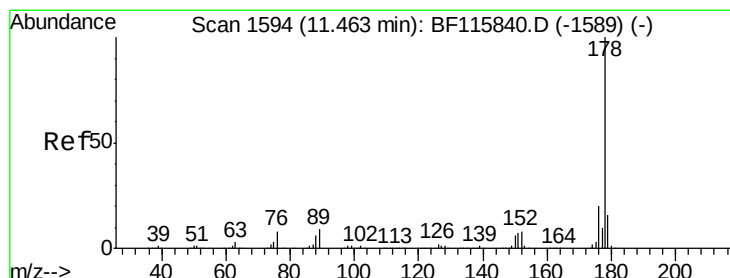
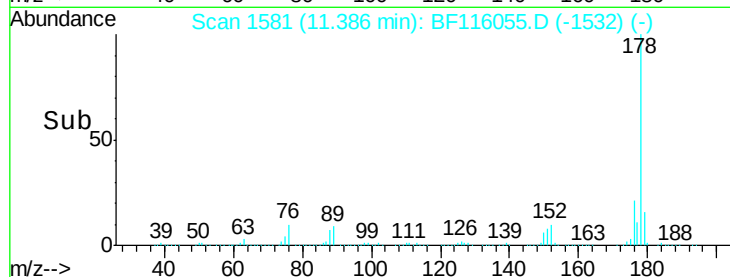
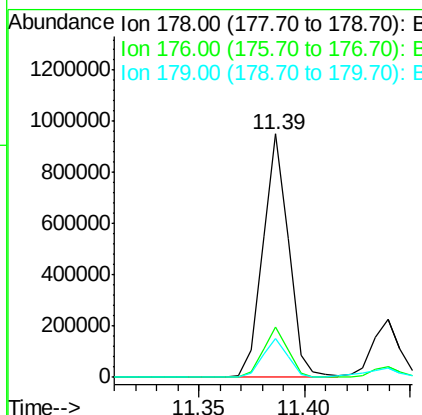
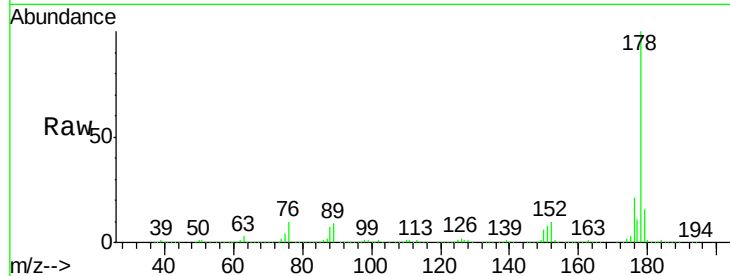
#71
Phenanthrene
Concen: 44.713 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.6	24.8
179	15.9	12.5	18.7

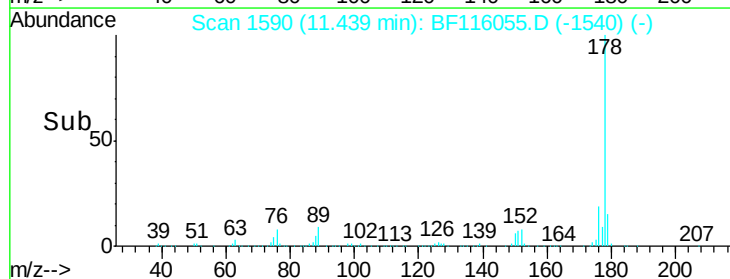
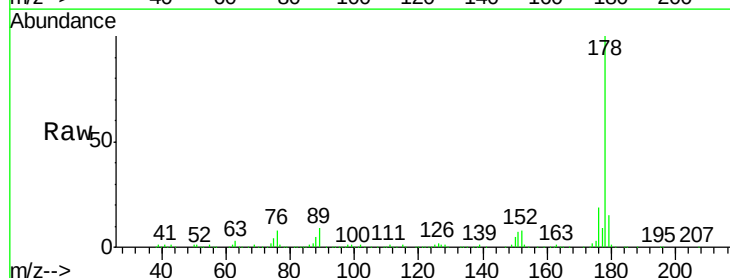
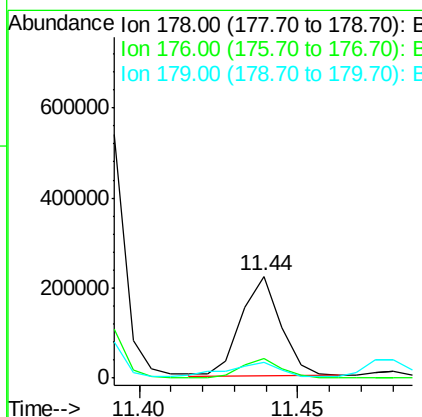
Manual Integrations
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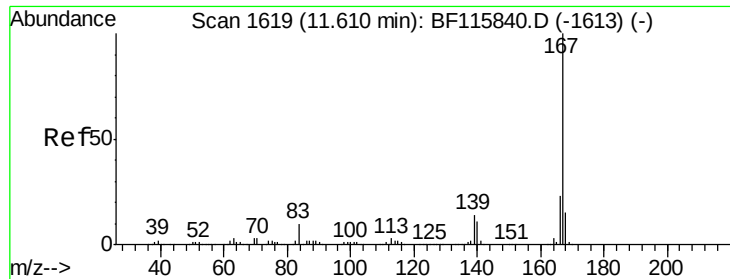
mohammad
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#72
Anthracene
Concen: 10.607 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	15.5	13.0	19.6





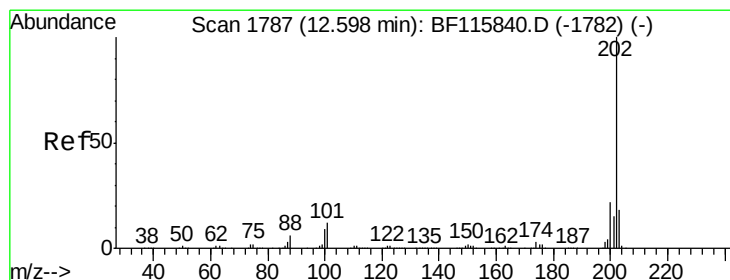
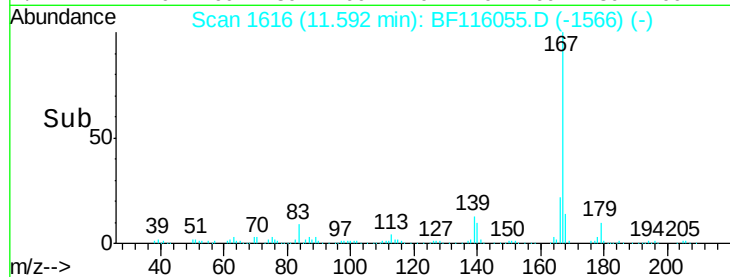
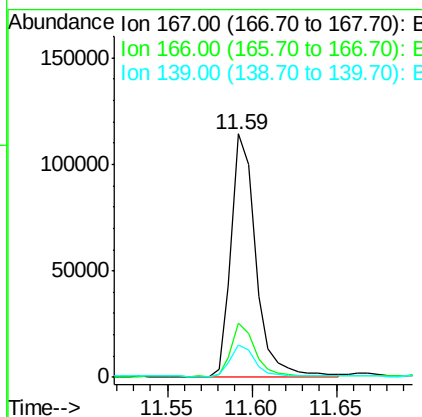
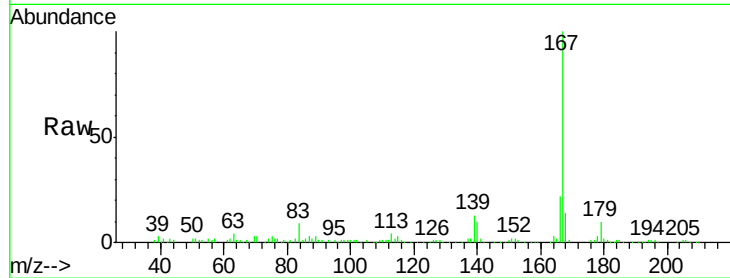
#73
 Carbazole
 Concen: 7.111 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.8	26.6
139	13.3	11.4	17.0

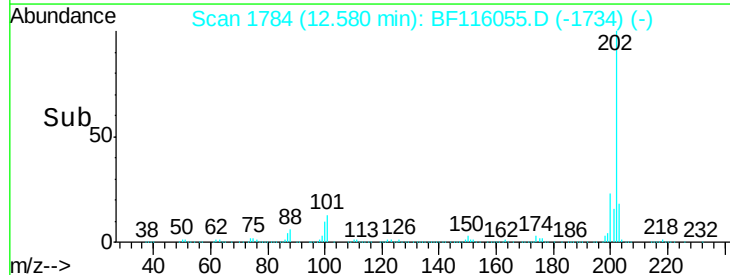
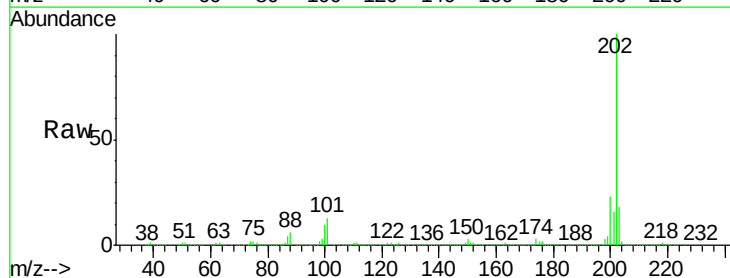
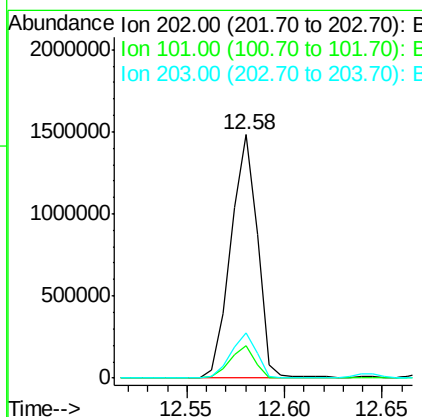
Manual Integrations
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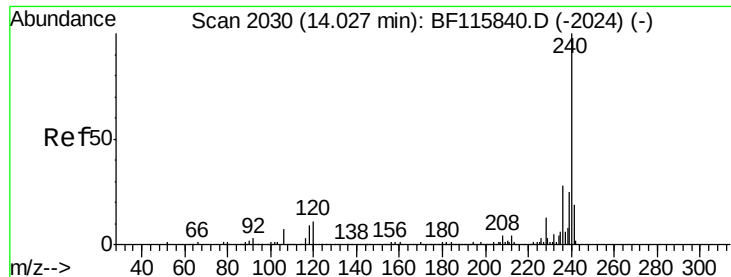
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#75
 Fluoranthene
 Concen: 74.041 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.2
203	18.4	0.0	37.8





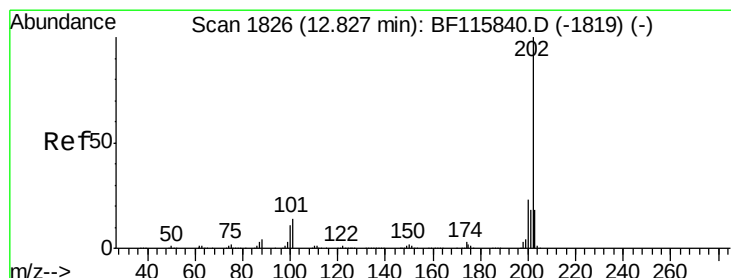
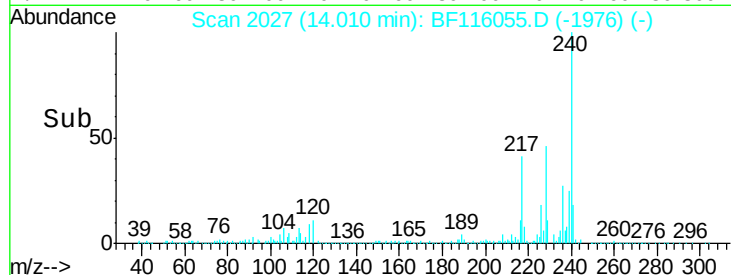
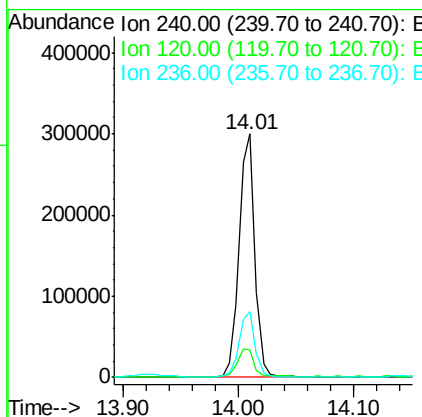
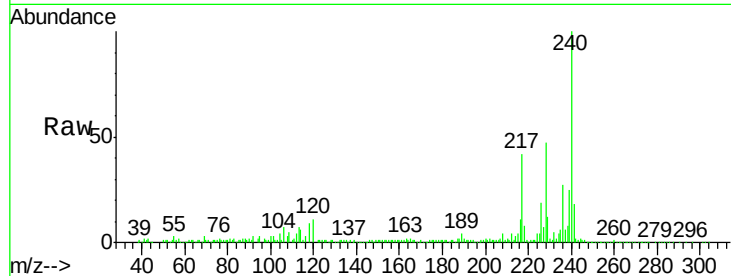
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	10.7	16.1
236	27.2	22.2	33.2

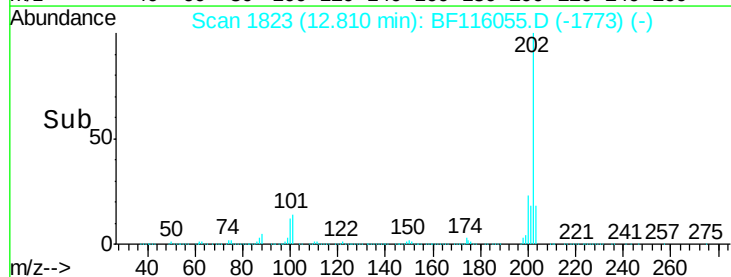
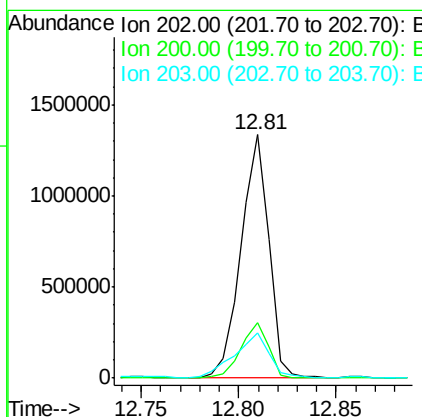
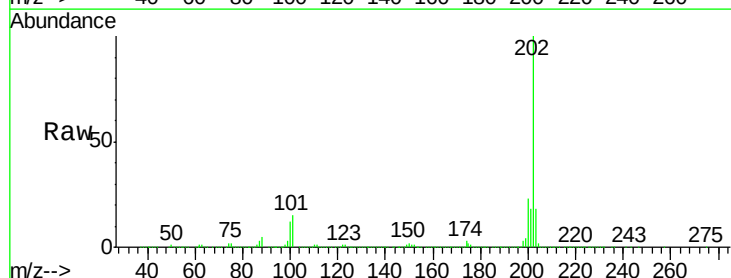
Manual Integrations
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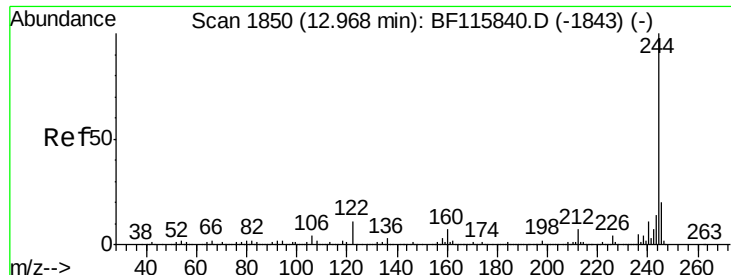
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#78
Pyrene
Concen: 61.757 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.0	18.0	27.0
203	18.4	14.1	21.1





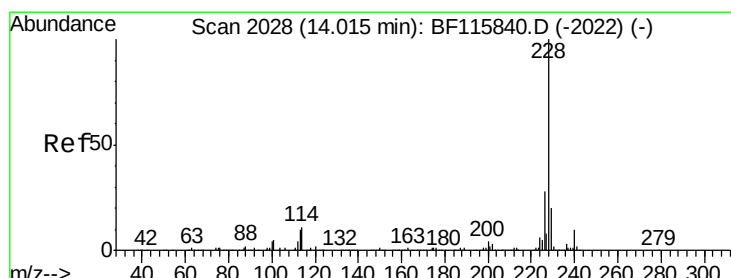
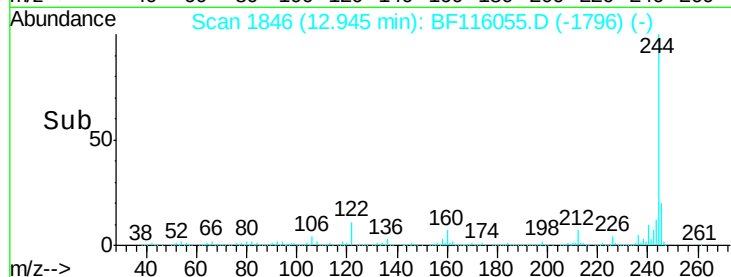
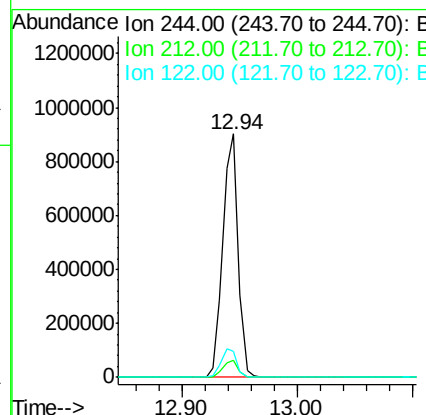
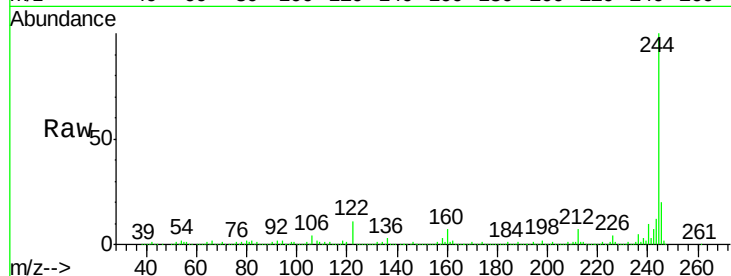
#79
 Terphenyl-d14
 Concen: 61.785 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.9	9.0	13.4

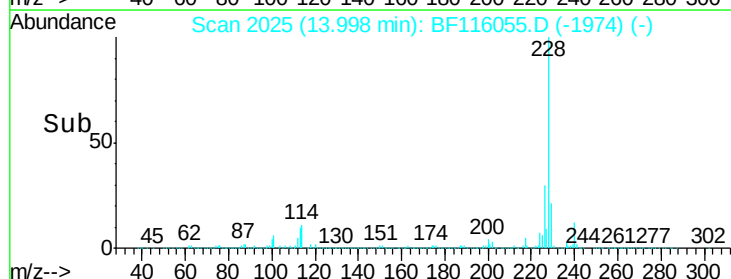
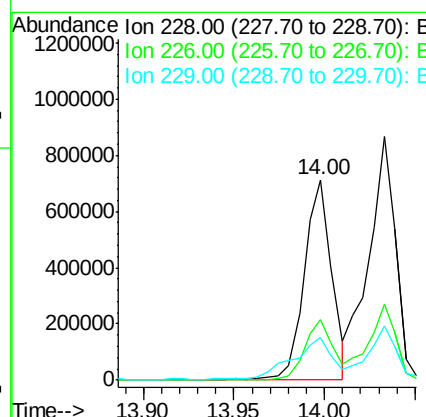
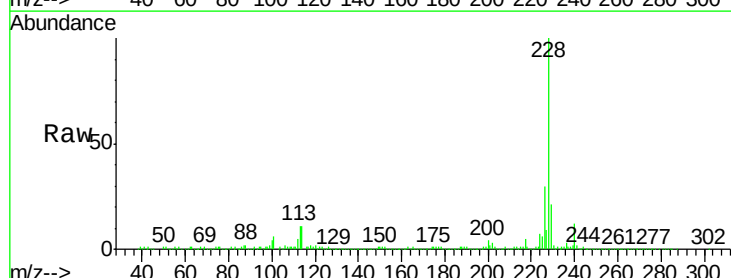
Manual Integrations
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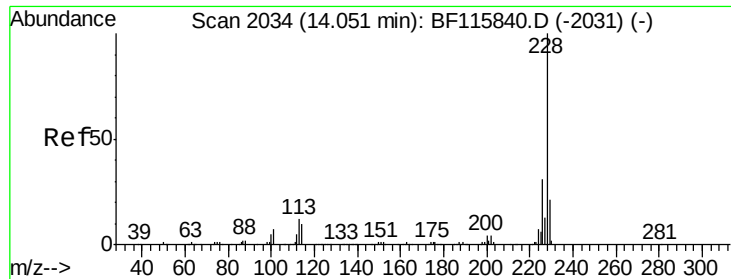
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#81
 Benzo(a)anthracene
 Concen: 41.656 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.7	34.1
229	21.2	16.2	24.4





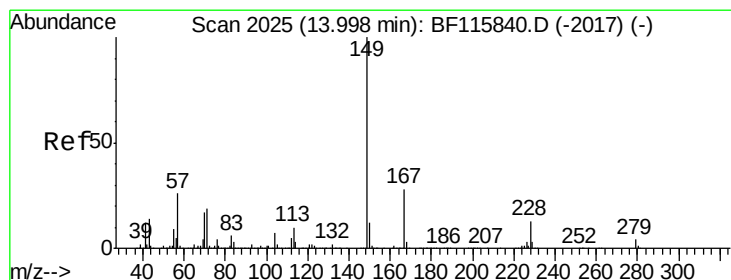
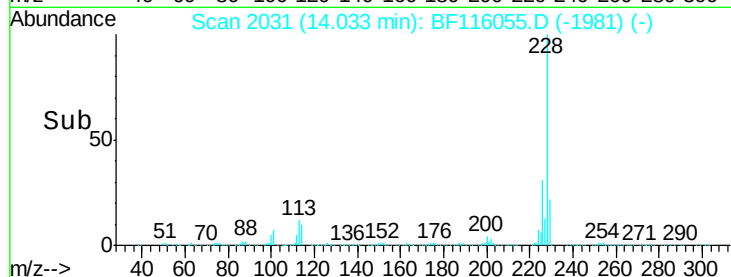
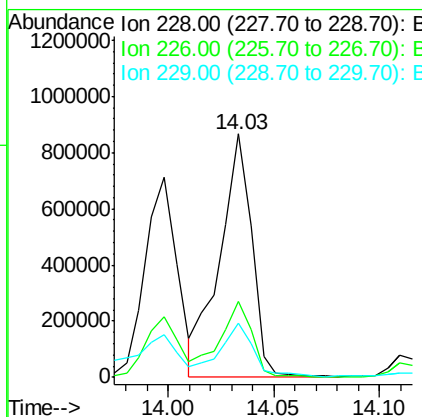
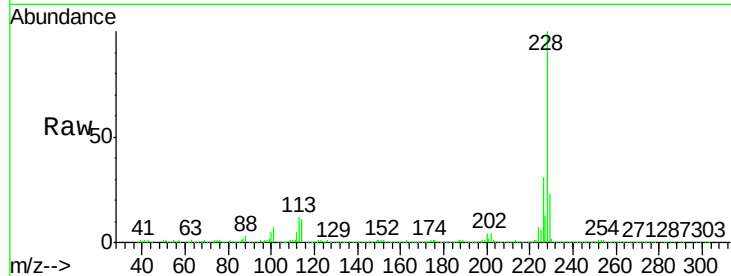
#83
 Chrysene
 Concen: 51.370 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

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

Tot Ion:	228	Resp:	902971
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.5	38.3
229	22.5	16.6	24.8

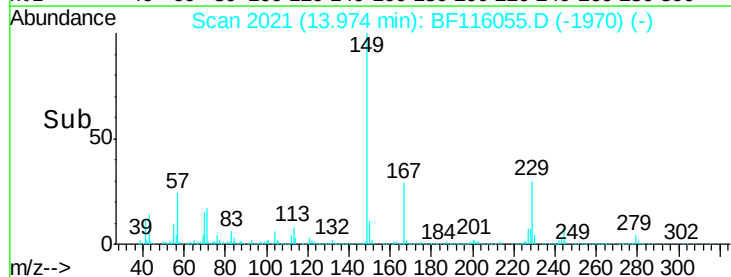
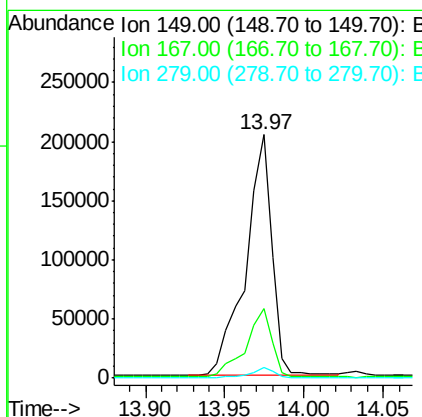
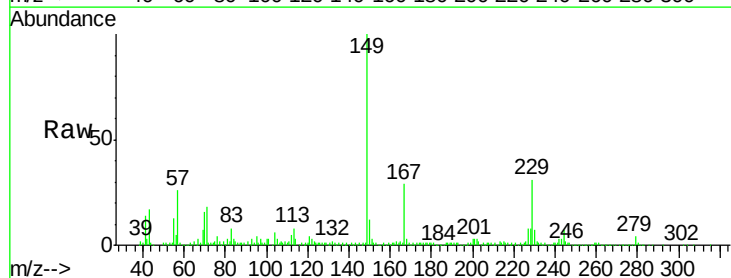
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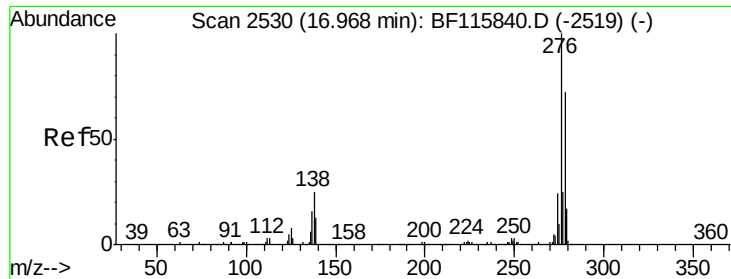
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 19.916 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

Tgt Ion:	149	Resp:	233769
Ion Ratio	Lower	Upper	
149	100		
167	28.7	21.6	32.4
279	4.2	3.0	4.4





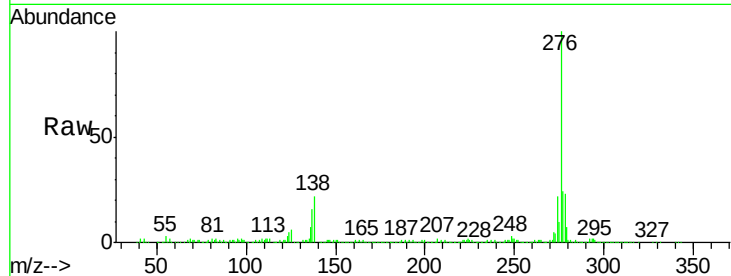
#86
Indeno(1,2,3-cd)pyrene
Concen: 36.829 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.00 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

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

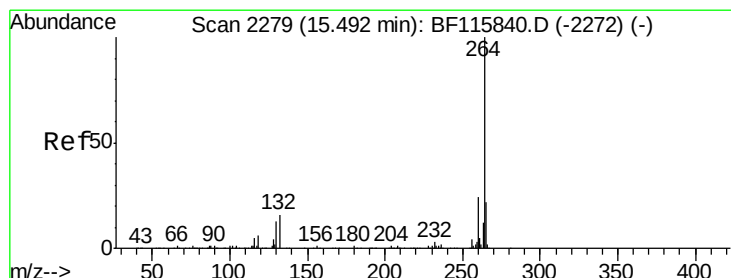
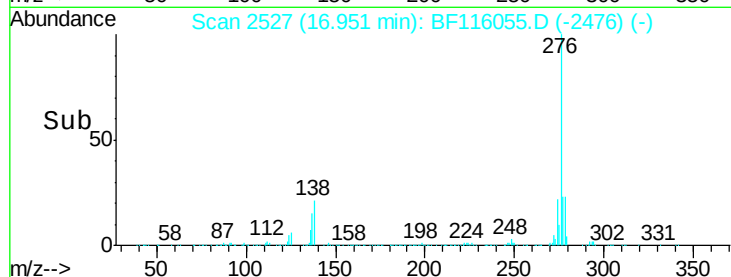
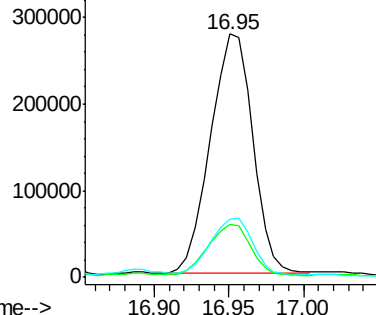
Tot Ion	Ratio	Resp	Lower	Upper
276	100	543719		
138	22.0		20.4	30.6
277	23.8		20.0	30.0

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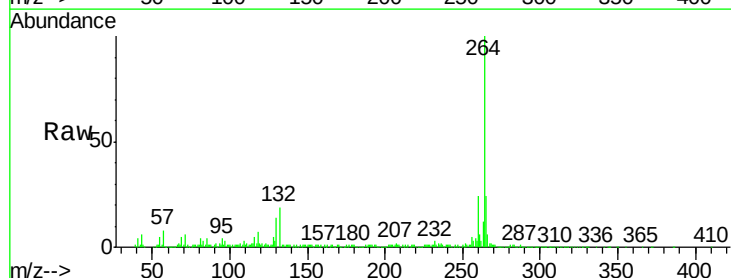


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

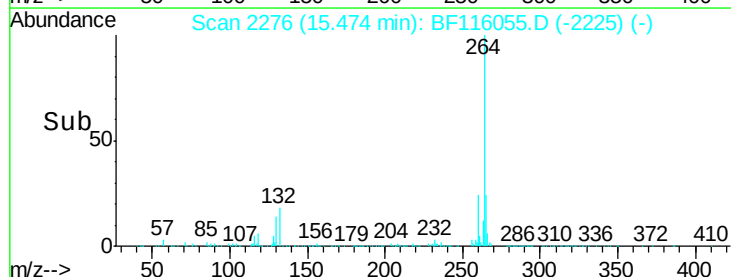
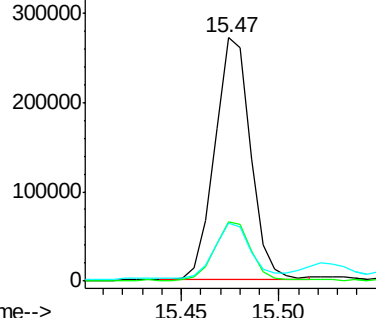


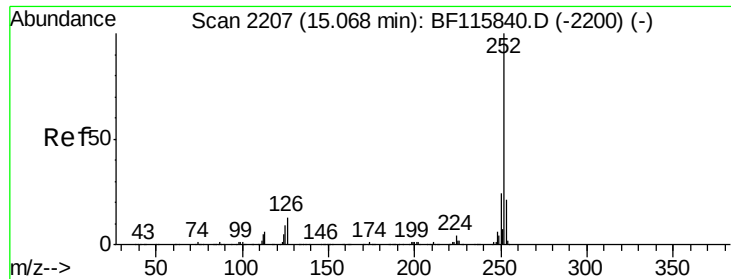
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	345457		
260	24.5		19.7	29.5
265	23.8		17.4	26.0



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





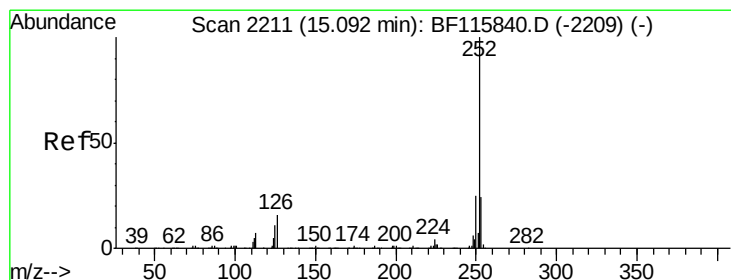
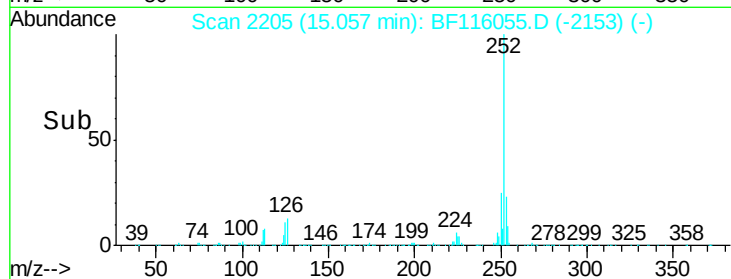
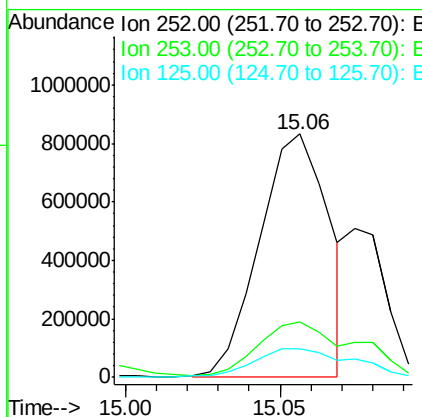
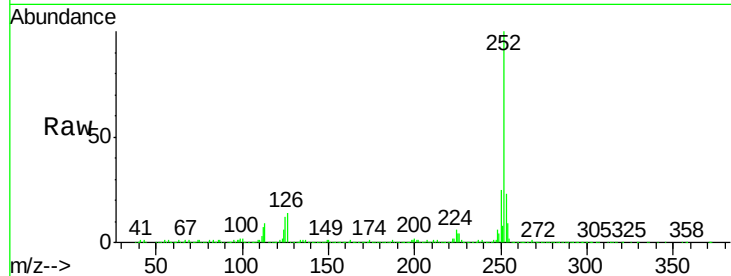
#88
Benzo(b)fluoranthene
Concen: 64.498 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	11.8	8.4	12.6

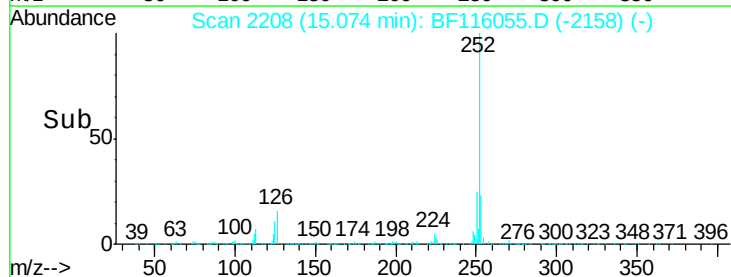
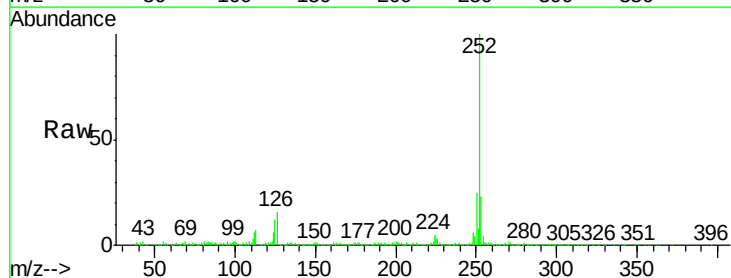
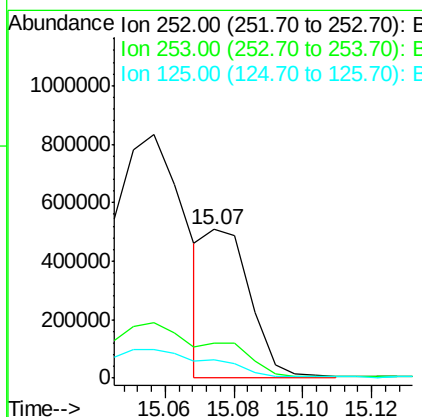
Manual Integrations
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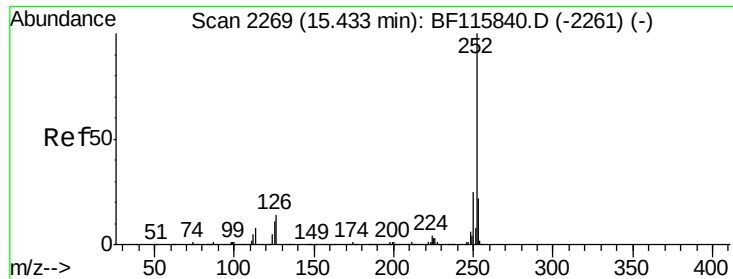
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#89
Benzo(k)fluoranthene
Concen: 23.252 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	12.1	7.7	11.5#





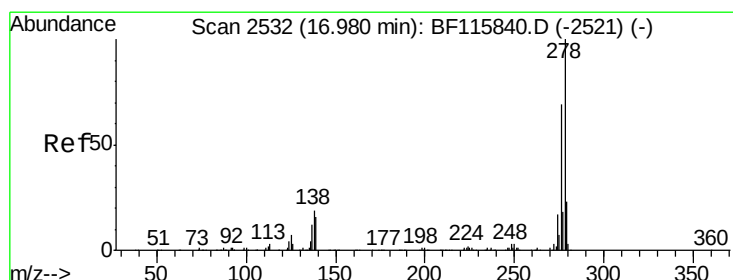
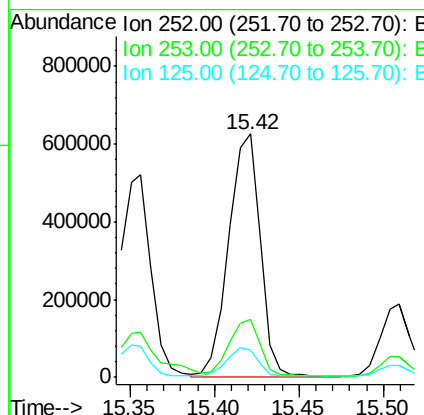
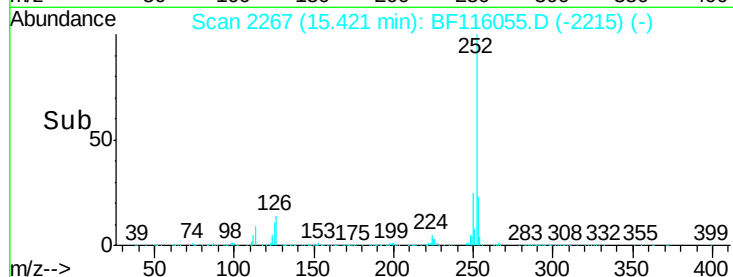
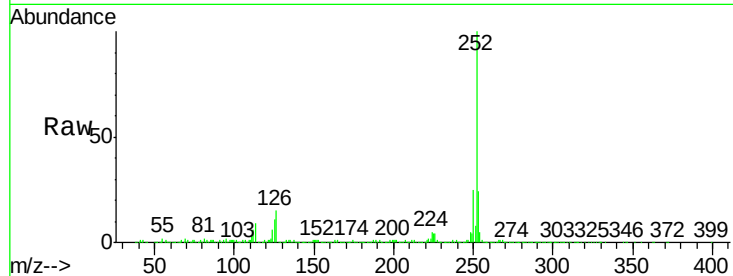
#90
Benzo(a)pyrene
Concen: 45.253 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	808027		
253	23.7		18.0	27.0
125	11.5		8.9	13.3

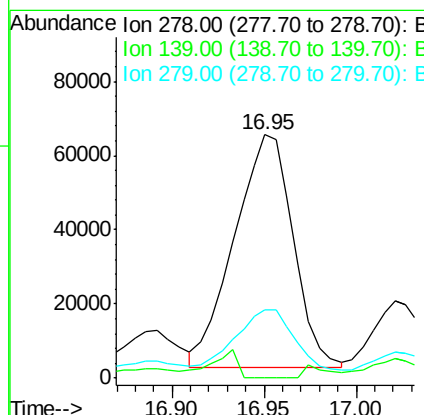
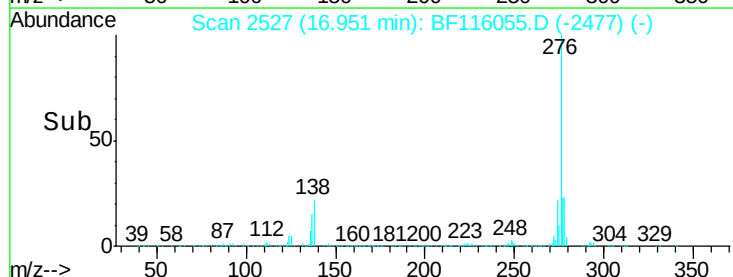
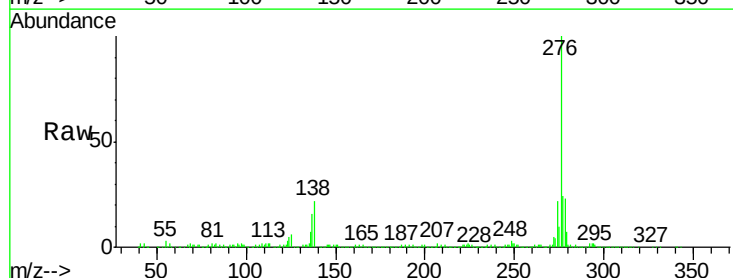
Manual Integrations
APPROVED

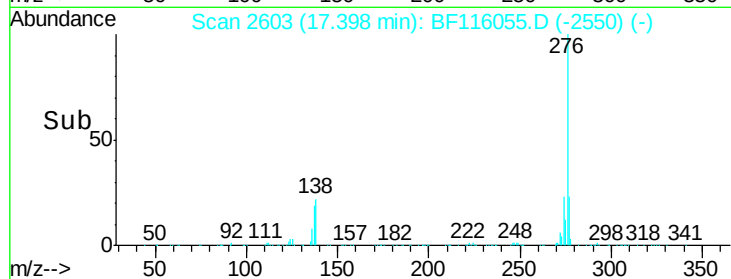
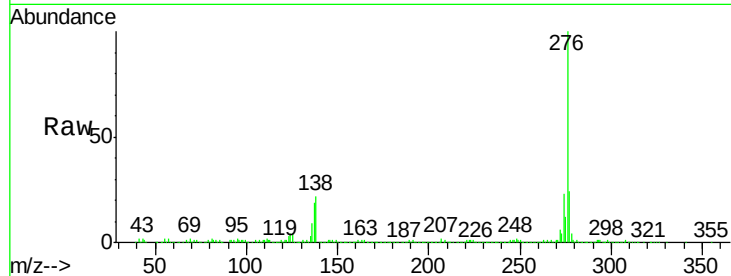
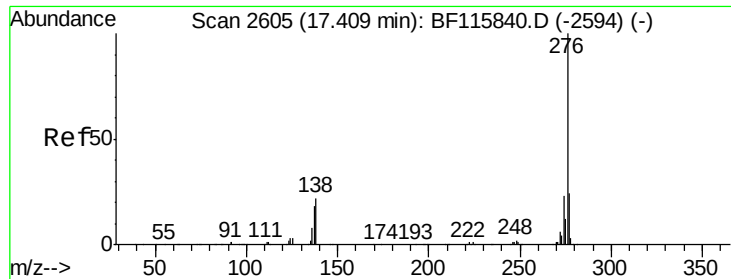
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 9.078 ng m
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF116055.D
Acq: 7 Aug 2019 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	140316		
139	0.0		12.8	19.2#
279	27.9		18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 34.705 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.01 min
 Lab File: BF116055.D
 Acq: 7 Aug 2019 19:21

Tot Ion:	276	Resp:	526797
Ion Ratio		Lower	Upper
276	100		
277	23.9	18.4	27.6
138	21.9	17.0	25.6

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

Manual Integrations
 APPROVED

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