

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
 Data File : BF116056.D
 Acq On : 7 Aug 2019 19:47
 Operator : HP/JU
 Sample : K4192-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 8/8/2019 4:47:01 PM

Quant Time: Aug 08 08:20:16 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	116744	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	459487	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	223981	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	322698	20.00	ng	0.00
76) Chrysene-d12	14.01	240	245834	20.00	ng	0.00
87) Perylene-d12	15.48	264	302817	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	165976	23.80	ng	0.00
7) Phenol-d6	6.49	99	230946	26.25	ng	0.00
23) Nitrobenzene-d5	7.40	82	139481	17.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	41790	19.24	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	265647	22.22	ng	0.00
79) Terphenyl-d14	12.94	244	200305	17.17	ng	0.00

Target Compounds

						Qvalue
50) Dimethylphthalate	9.59	163	46677	3.061	ng	100
52) Acenaphthene	9.91	154	48701	4.134	ng	97
55) Dibenzofuran	10.08	168	42467	2.479	ng	# 94
58) Fluorene	10.42	166	56664	4.299	ng	99
71) Phenanthrene	11.39	178	879514	53.314	ng	99
72) Anthracene	11.44	178	208875	12.511	ng	98
73) Carbazole	11.60	167	76862	5.074	ng	98
75) Fluoranthene	12.58	202	1121242	64.921	ng	97
78) Pyrene	12.81	202	1082159	58.396	ng	99
81) Benzo(a)anthracene	14.00	228	619004	39.395	ng	99
83) Chrysene	14.03	228	535424	35.099	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	302405	23.603	ng	95
88) Benzo(b)fluoranthene	15.05	252	733762m	41.907	ng	
89) Benzo(k)fluoranthene	15.07	252	223028m	13.078	ng	
90) Benzo(a)pyrene	15.42	252	520877	33.279	ng	97
91) Dibenzo(a,h)anthracene	16.95	278	85872m	6.338	ng	
92) Benzo(g,h,i)perylene	17.40	276	289801	21.780	ng	98

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

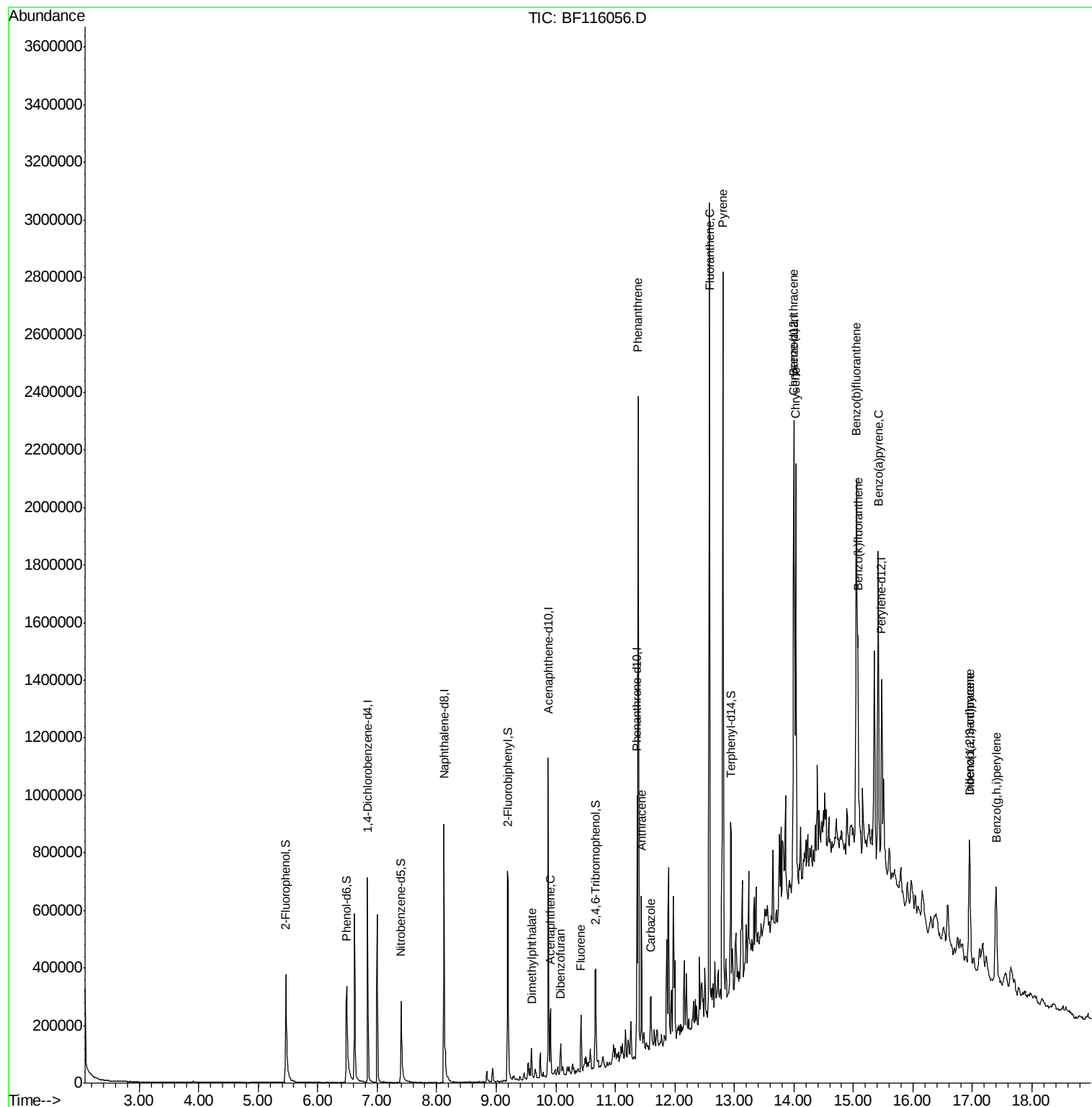
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
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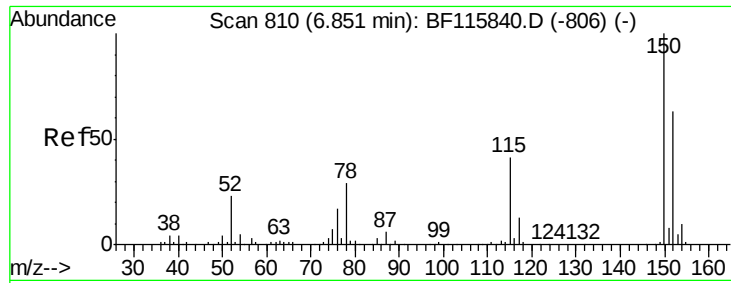
Instrument :
BNA_F
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TRIPLE-BARREL-BC-WEST

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#1

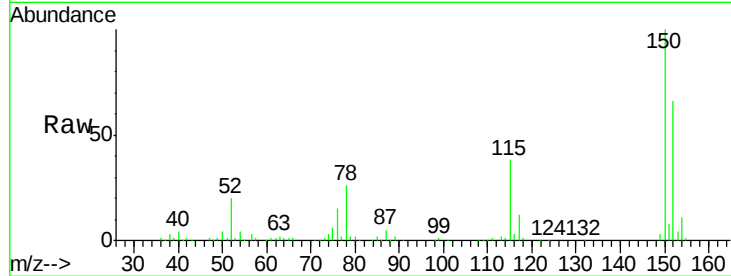
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.2	189.2
115	57.2	49.9	74.9

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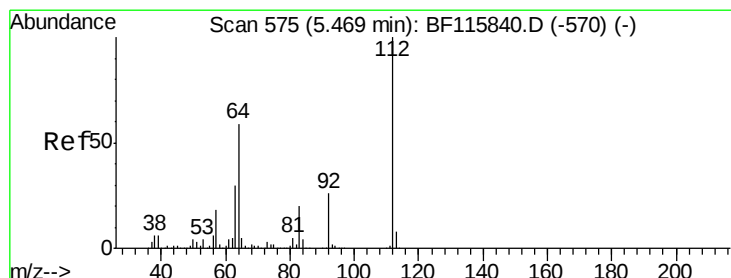
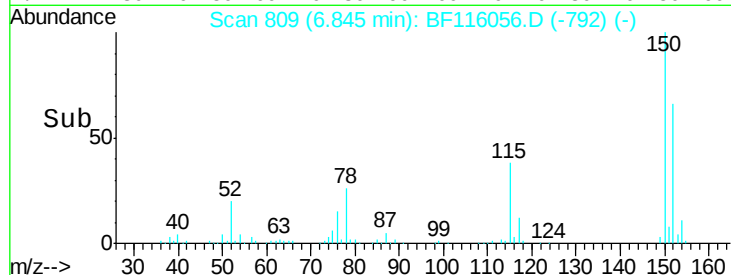
Abundance

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

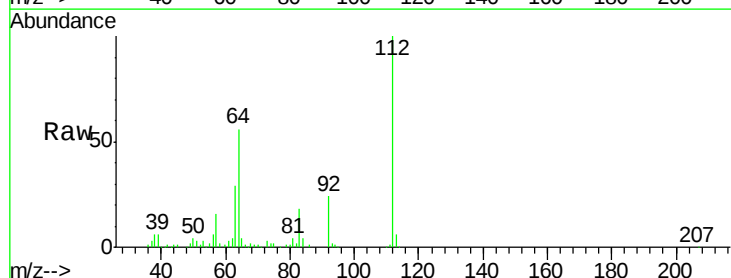
Time-->



#5

2-Fluorophenol
Concen: 23.800 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.4	68.2
63	28.8	23.7	35.5



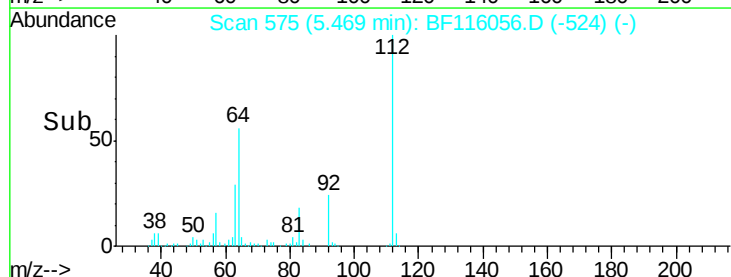
Abundance

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

Time-->





#7

Phenol-d6

Concen: 26.248 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Instrument :

BNA_F

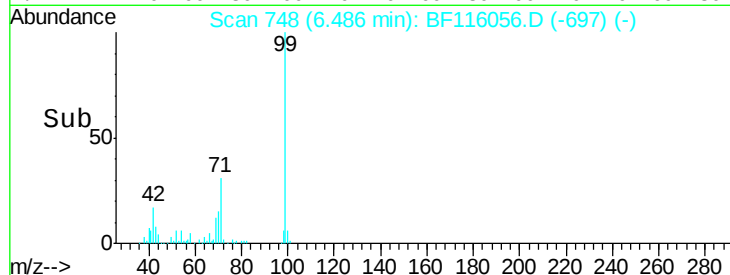
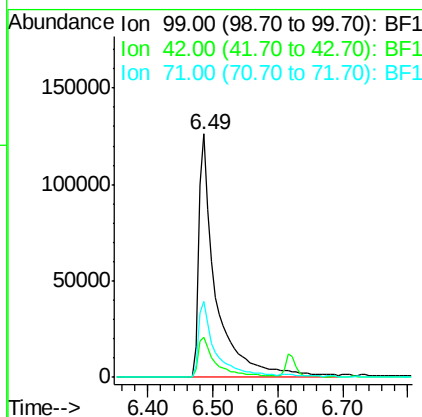
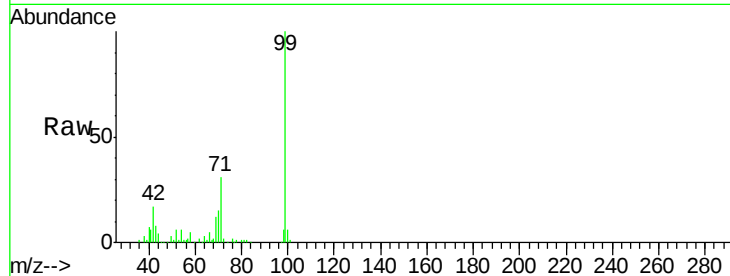
ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion:	99	Resp:	230946
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.8	20.8
71	31.2	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

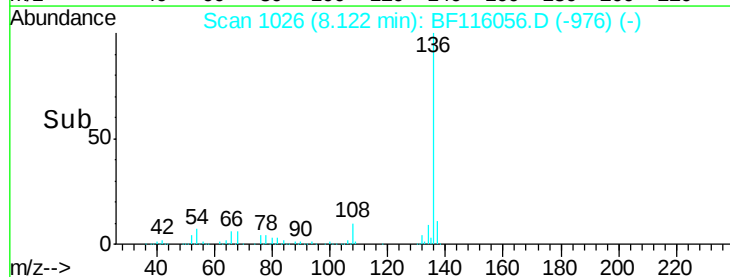
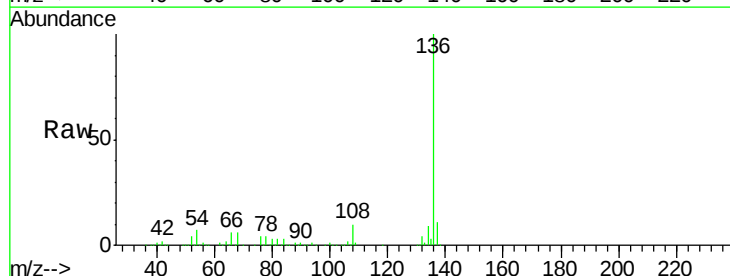
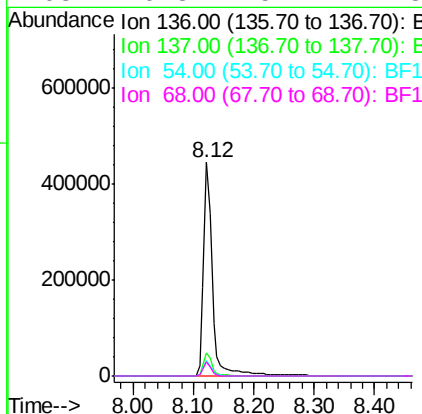
RT: 8.12 min Scan# 1026

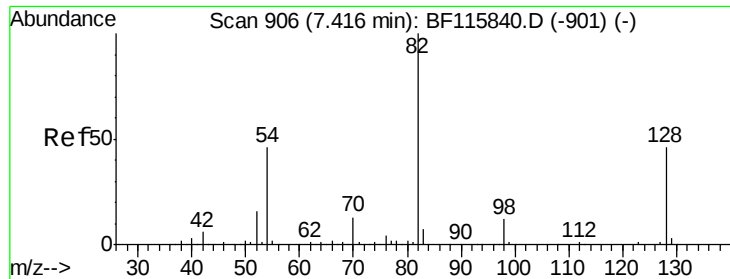
Delta R.T. -0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Tgt Ion:	136	Resp:	459487
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.4
54	7.4	5.8	8.6
68	6.3	5.2	7.8





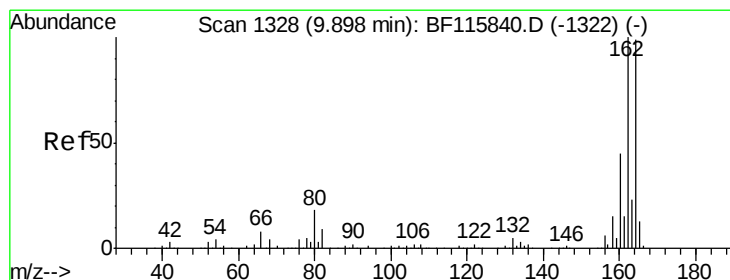
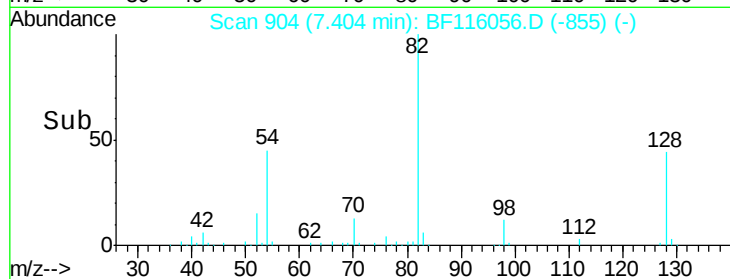
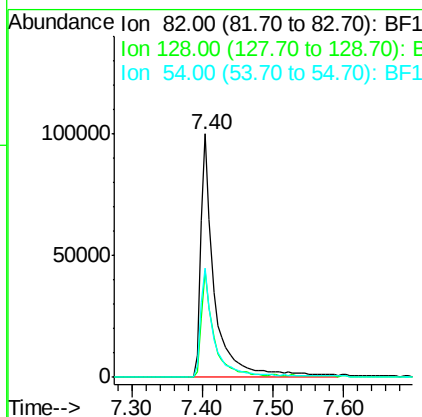
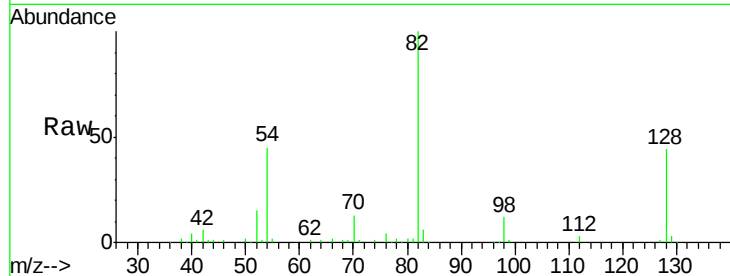
#23
Nitrobenzene-d5
Concen: 17.522 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

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

Tot Ion	82	Resp	139481
Ion Ratio	Lower	Upper	
82	100		
128	43.7	36.5	54.7
54	44.7	36.0	54.0

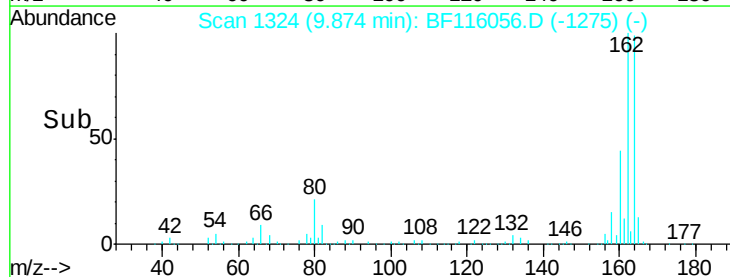
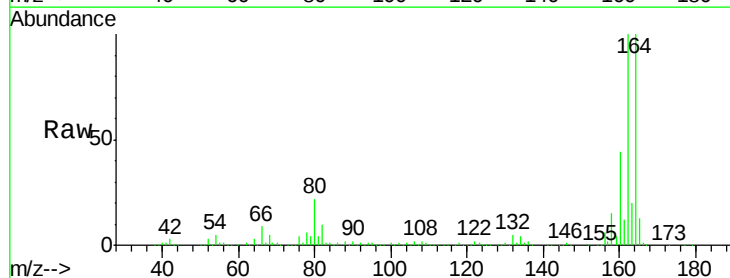
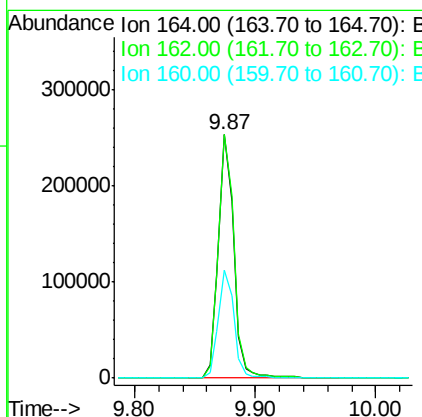
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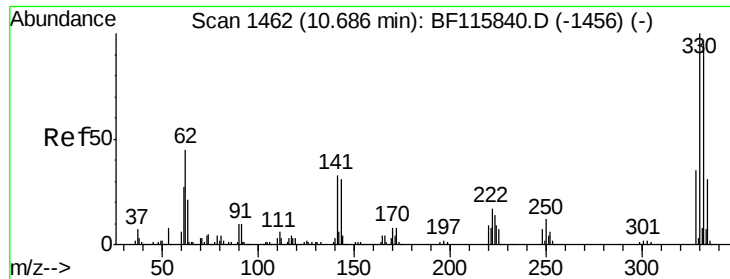
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

Tgt Ion	164	Resp	223981
Ion Ratio	Lower	Upper	
164	100		
162	99.8	82.6	124.0
160	44.3	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 19.244 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Instrument :

BNA_F

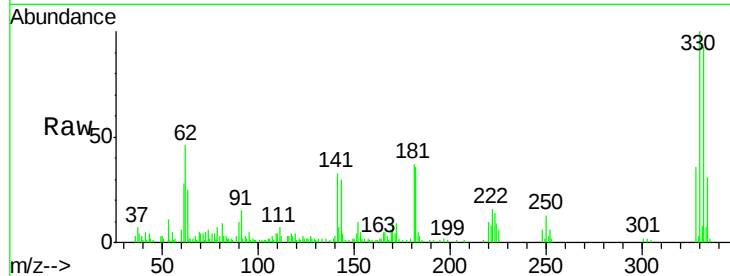
ClientSampleId :

TRIPLE-BARREL-BC-WEST

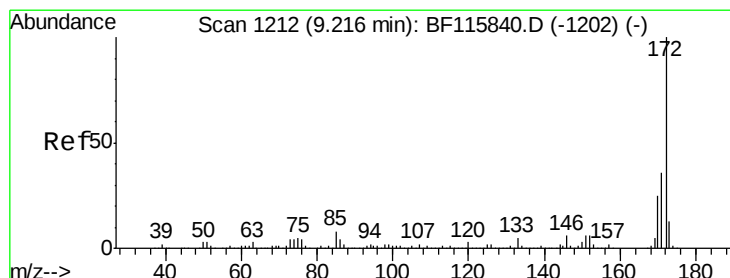
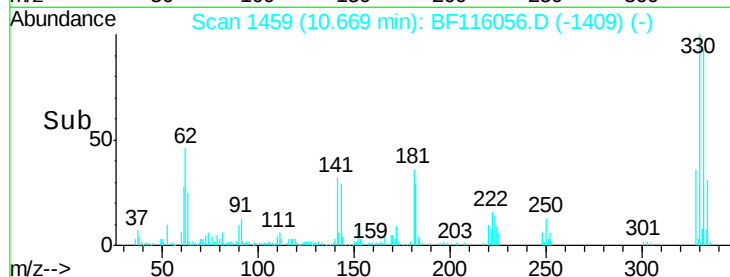
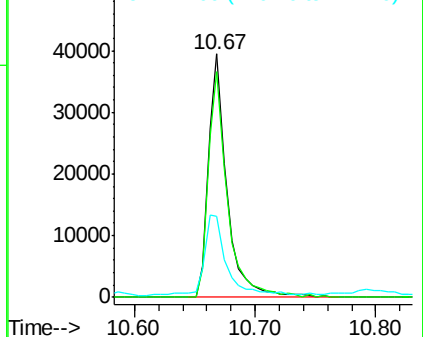
Tot Ion:	330	Resp:	41790
Ion Ratio	Lower	Upper	
330	100		
332	94.6	76.8	115.2
141	40.1	26.3	39.5#

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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: 22.215 ng

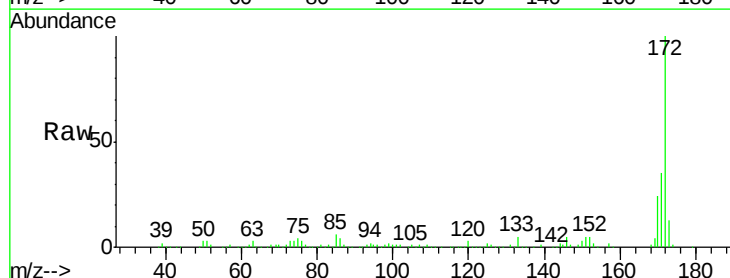
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

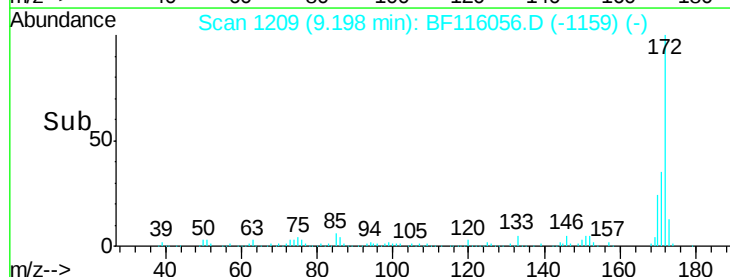
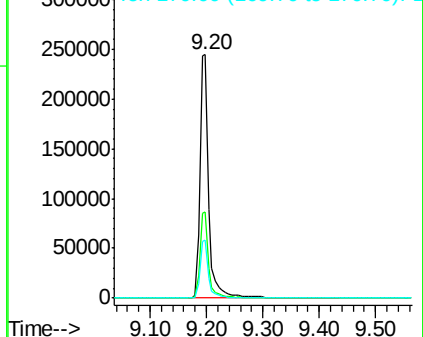
Lab File: BF116056.D

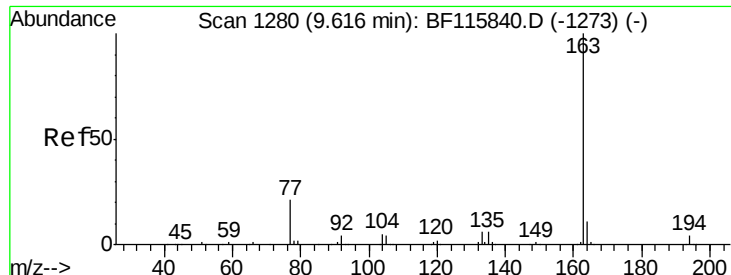
Acq: 7 Aug 2019 19:47

Tgt Ion:	172	Resp:	265647
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.6	44.4
170	23.8	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





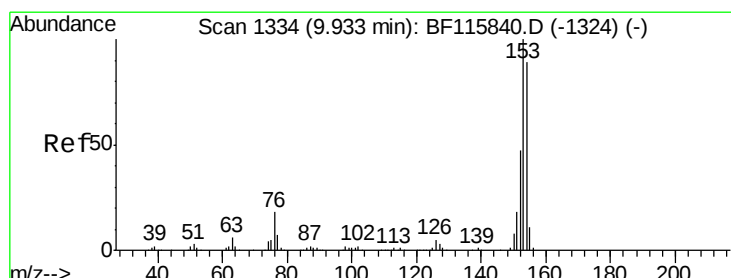
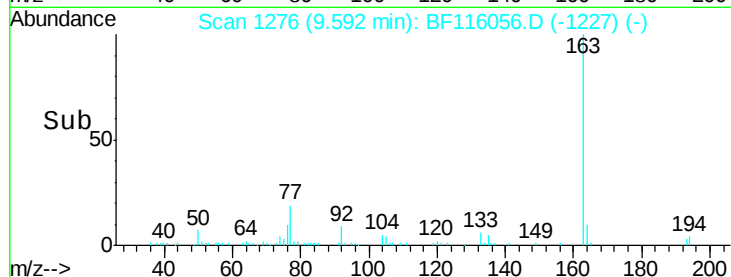
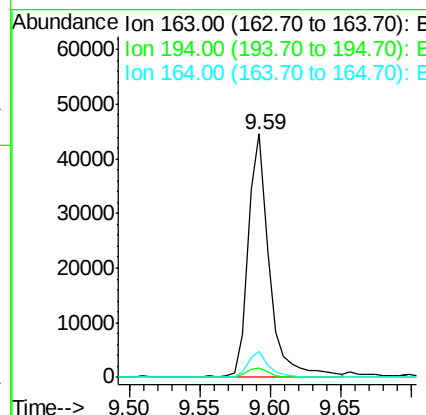
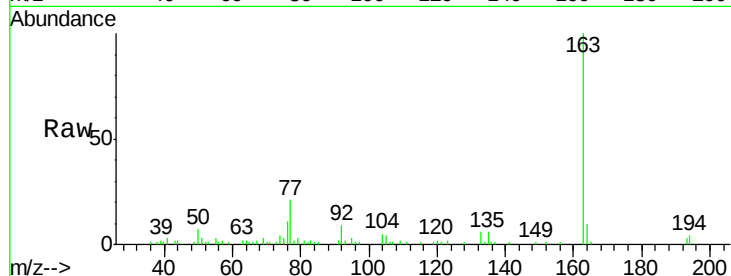
#50
Dimethylphthalate
Concen: 3.061 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	46677		
194	4.0		3.0	4.6
164	10.4		8.4	12.6

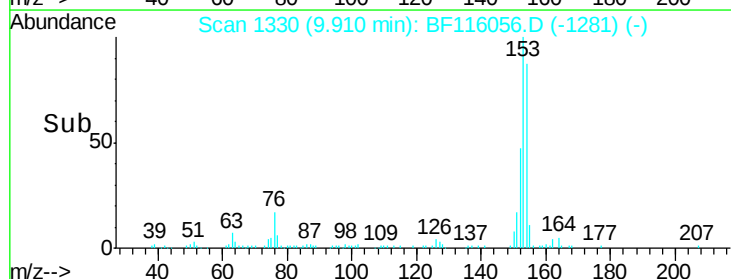
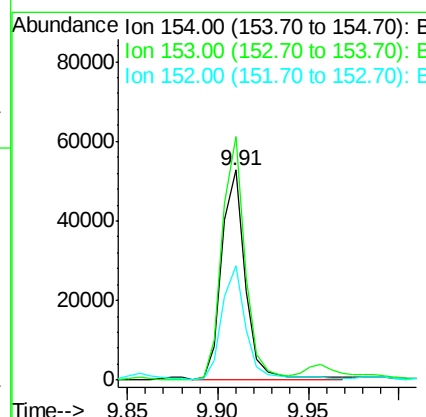
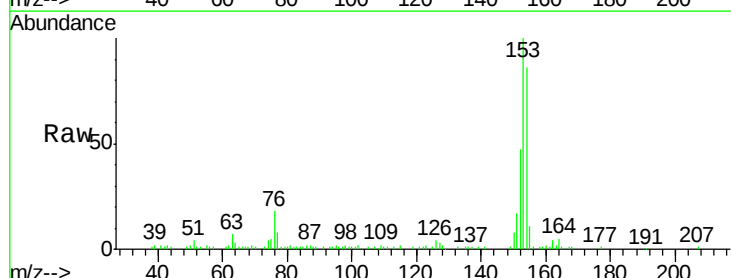
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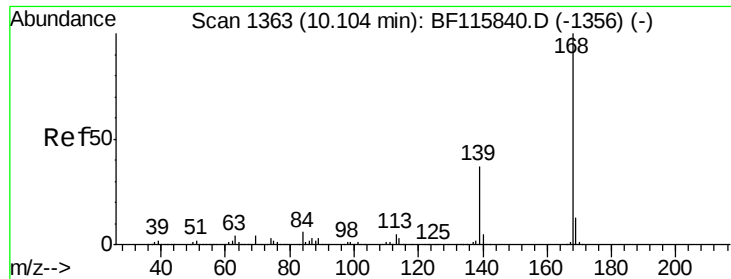
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#52
Acenaphthene
Concen: 4.134 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48701		
153	115.8		89.4	134.0
152	54.2		42.3	63.5





#55

Dibenzofuran

Concen: 2.479 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Instrument :

BNA_F

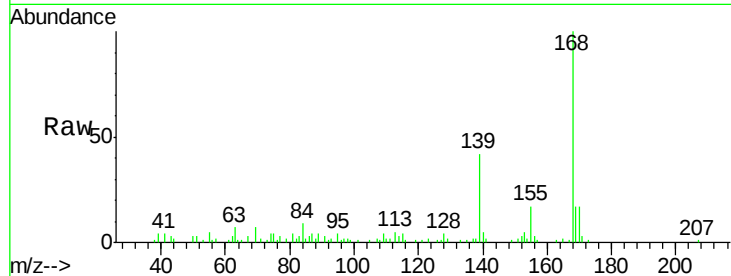
ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.3	31.4	47.2
169	17.3	10.9	16.3

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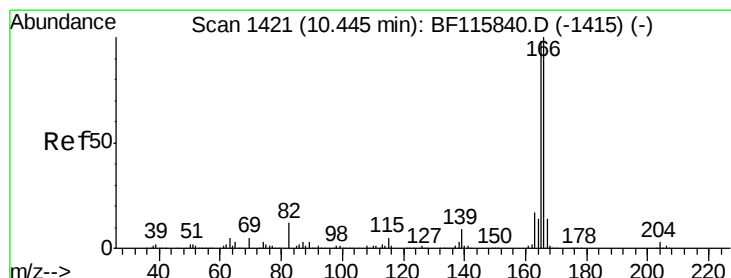
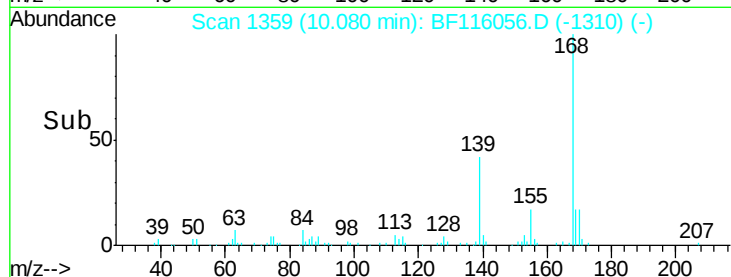
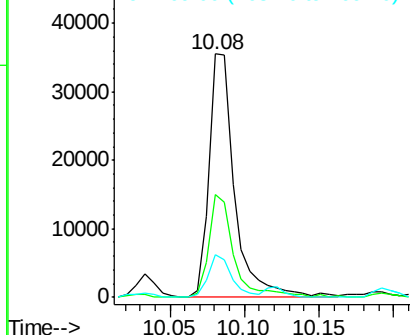


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 4.299 ng

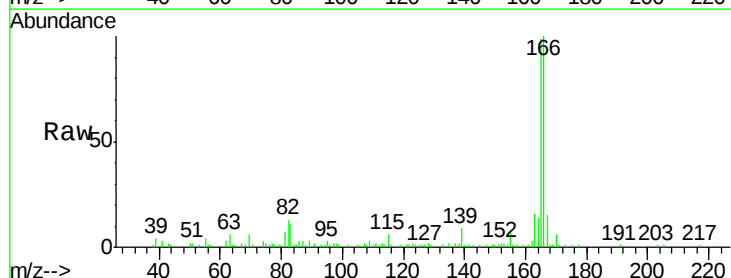
RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.4	117.6
167	15.2	11.0	16.4

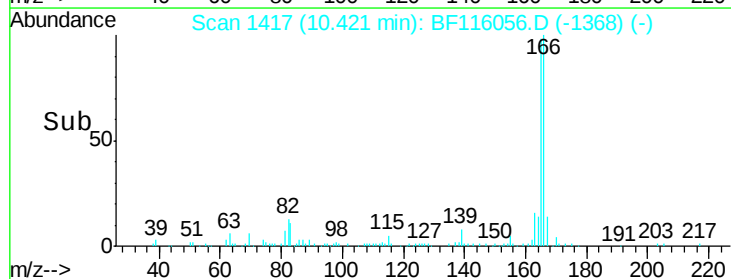
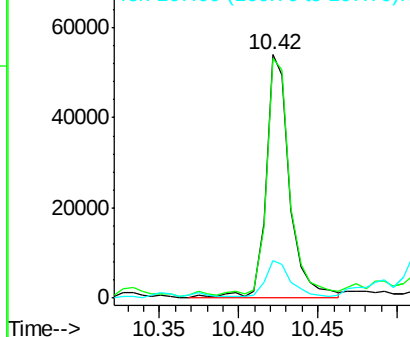


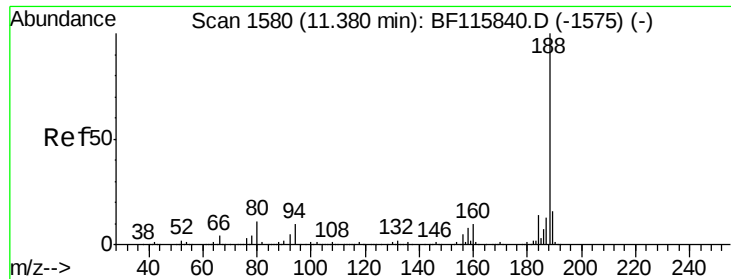
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Instrument :

BNA_F

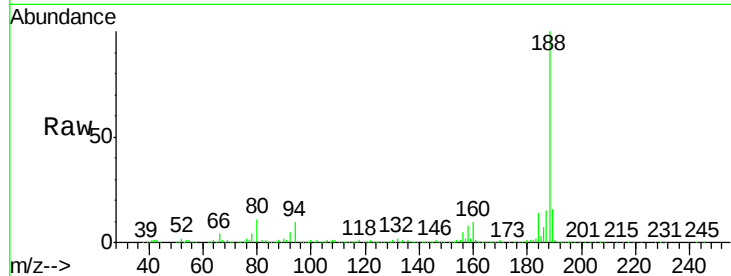
ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion:	188	Resp:	322698
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.1	12.1
80	10.6	8.7	13.1

Manual Integrations
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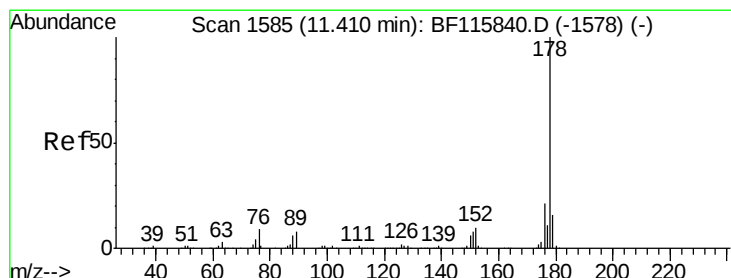
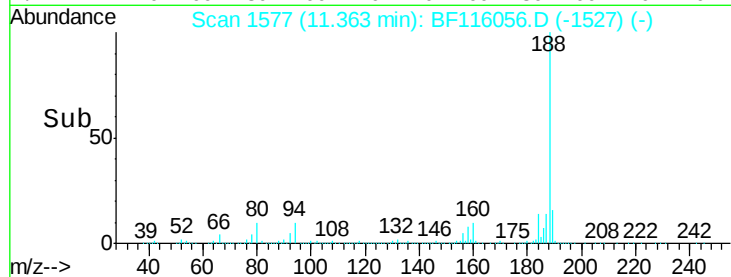
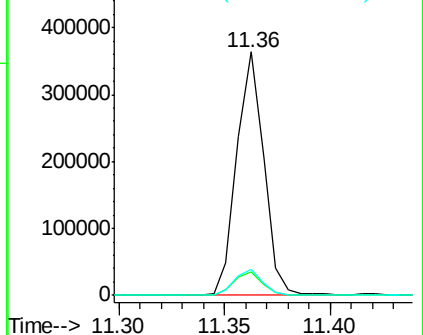
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 53.314 ng

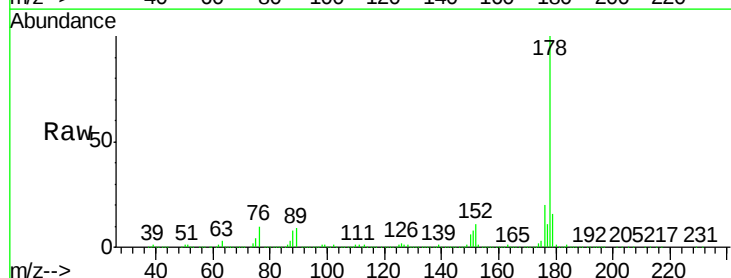
RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

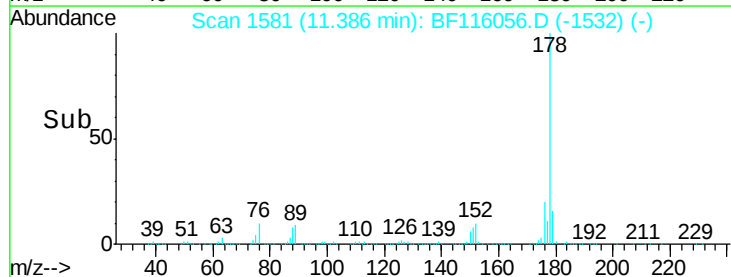
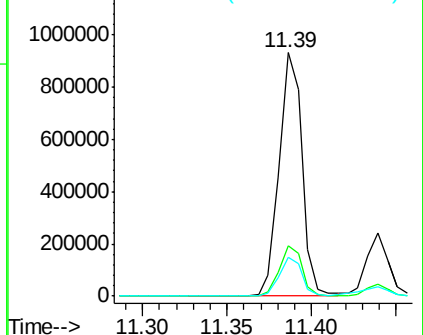
Tgt Ion:	178	Resp:	879514
Ion Ratio	Lower	Upper	
178	100		
176	20.5	16.6	24.8
179	16.0	12.5	18.7

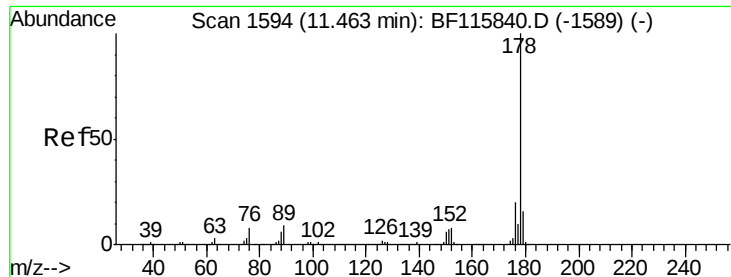


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 12.511 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Instrument :

BNA_F

ClientSampleId :

TRIPLE-BARREL-BC-WEST

Tot Ion:178 Resp: 208875

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

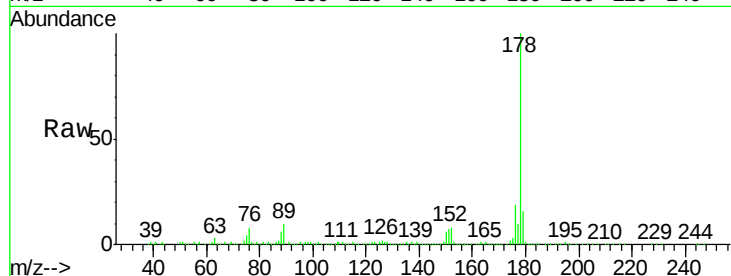
179 15.7 13.0 19.6

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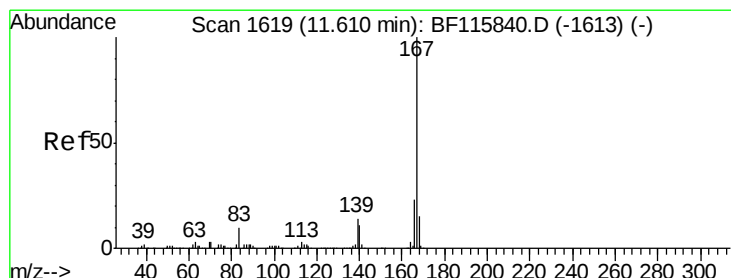
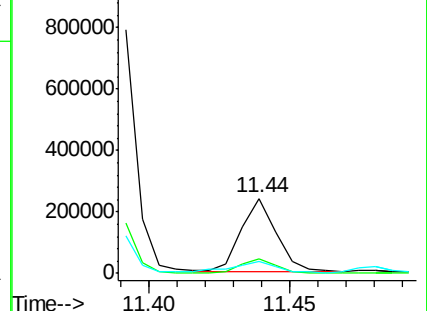
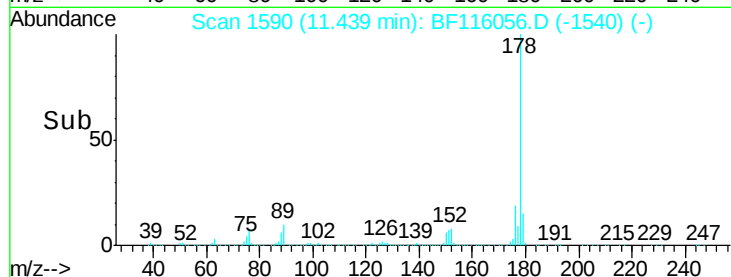
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 5.074 ng

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

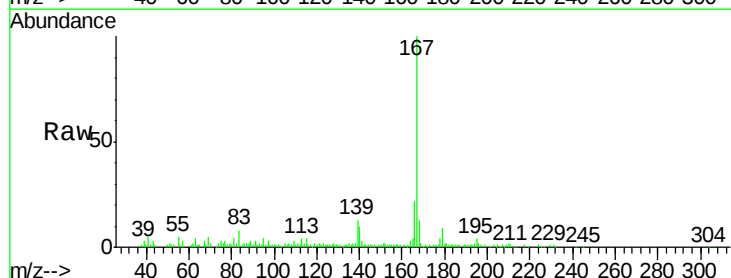
Tgt Ion:167 Resp: 76862

Ion Ratio Lower Upper

167 100

166 21.8 17.8 26.6

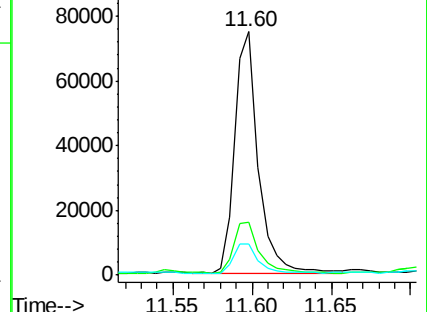
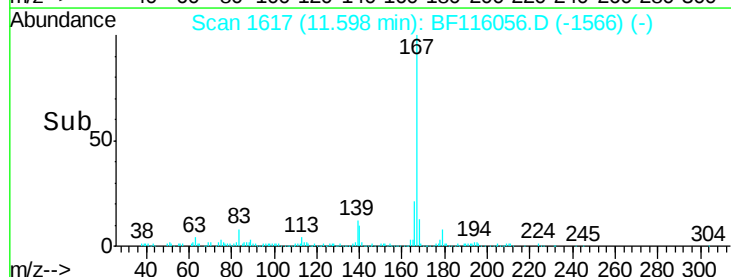
139 12.8 11.4 17.0

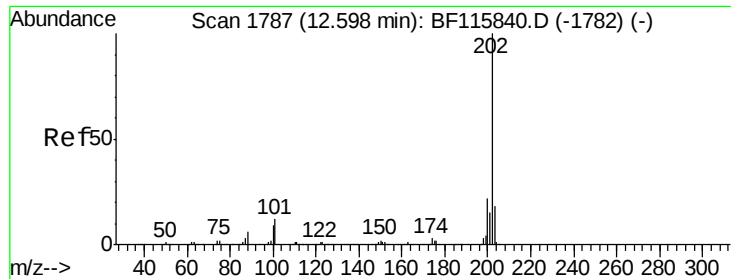


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 64.921 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Instrument :

BNA_F

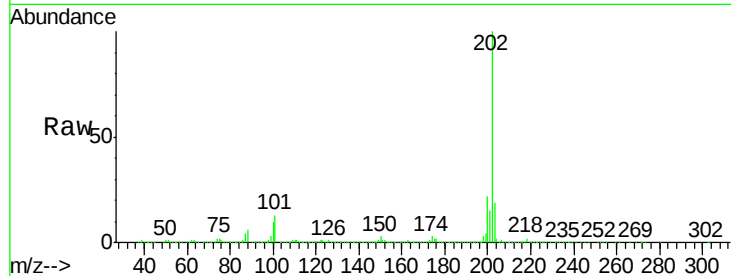
ClientSampleId :

TRIPLE-BARREL-BC-WEST

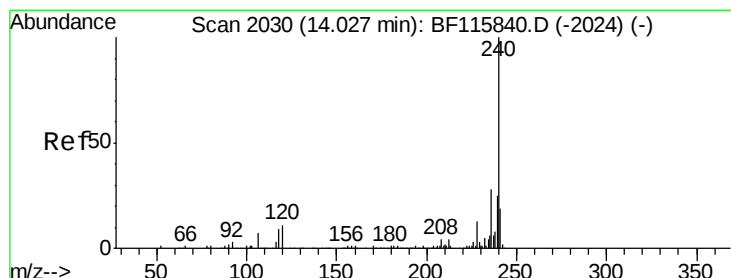
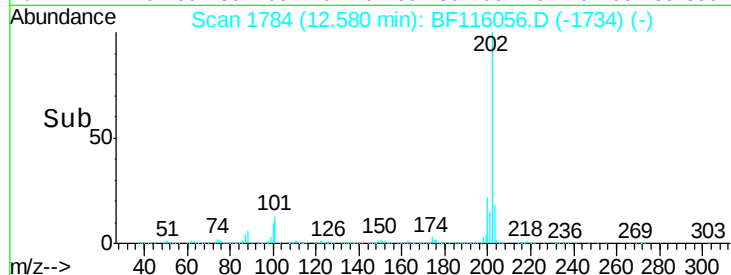
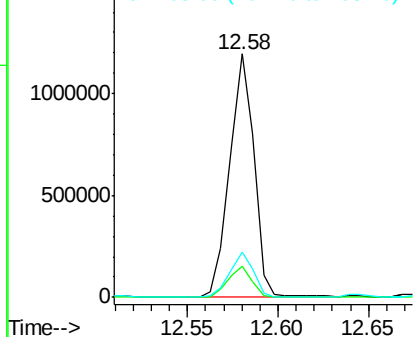
Tot Ion:	202	Resp:	1121242
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.2
203	18.5	0.0	37.8

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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

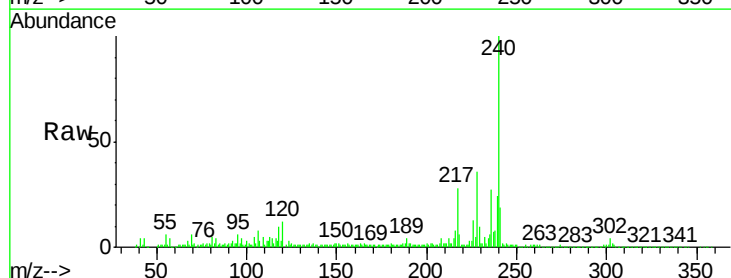
RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

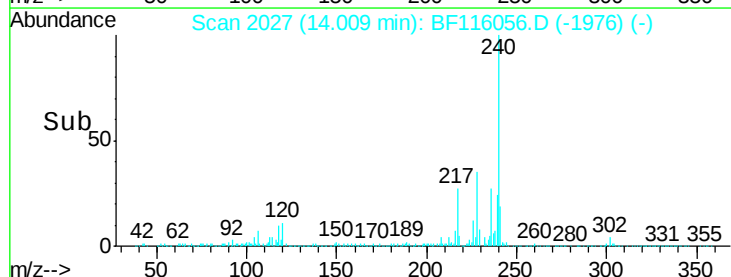
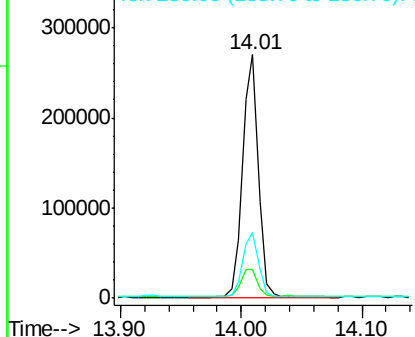
Lab File: BF116056.D

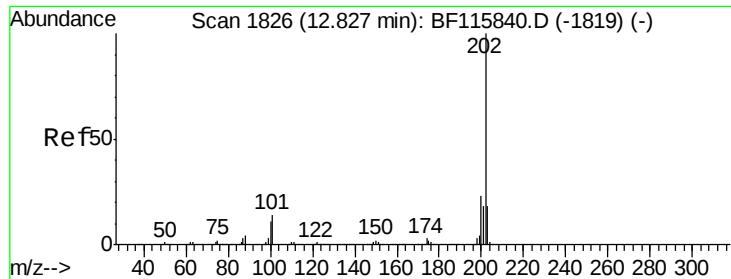
Acq: 7 Aug 2019 19:47

Tgt Ion:	240	Resp:	245834
Ion	Ratio	Lower	Upper
240	100		
120	11.5	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: 58.396 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Instrument :

BNA_F

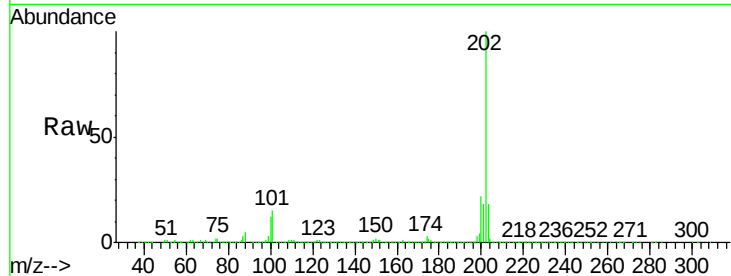
ClientSampleId :

TRIPLE-BARREL-BC-WEST

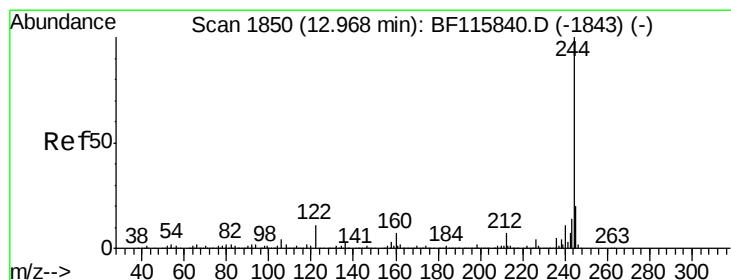
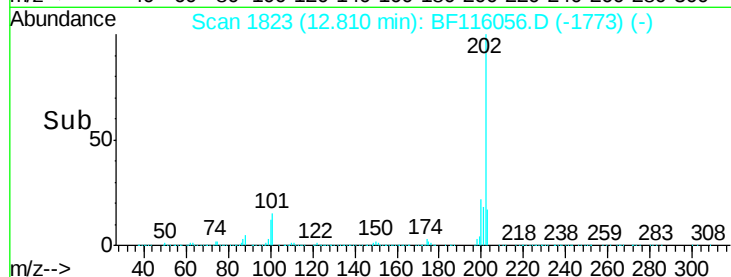
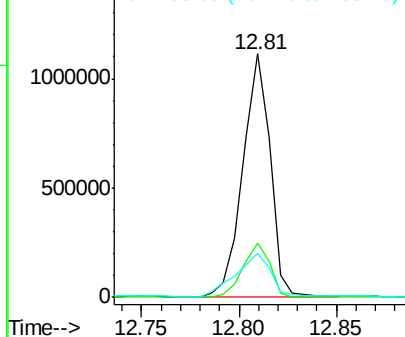
Tot Ion:	202	Resp:	1082159
Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.0	27.0
203	17.8	14.1	21.1

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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: 17.169 ng

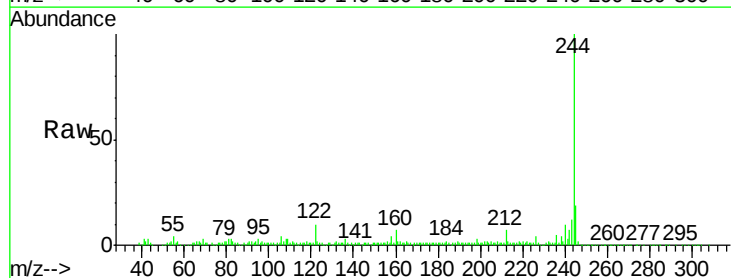
RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

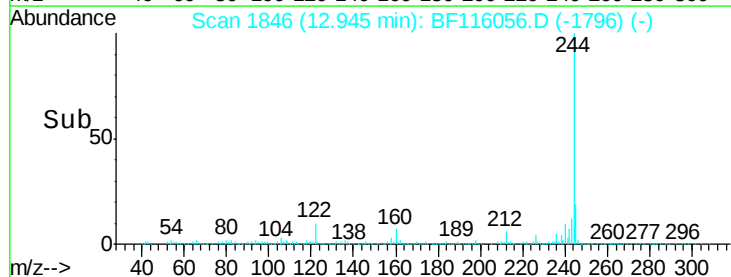
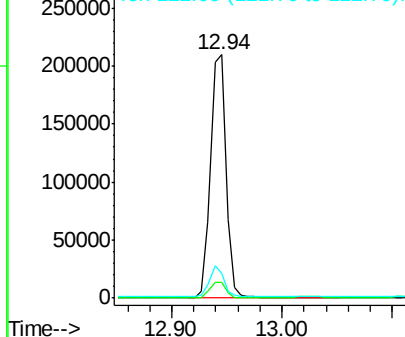
Lab File: BF116056.D

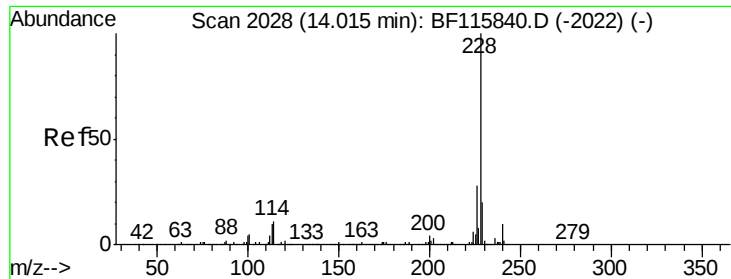
Acq: 7 Aug 2019 19:47

Tgt Ion:	244	Resp:	200305
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	10.4	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





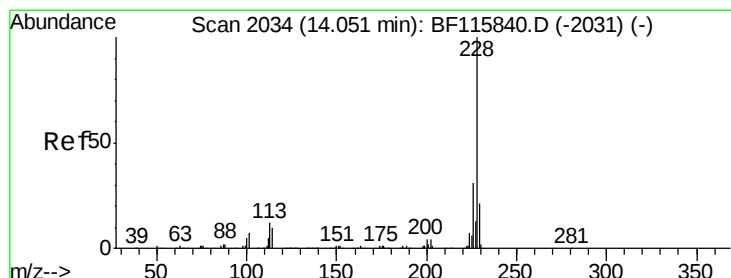
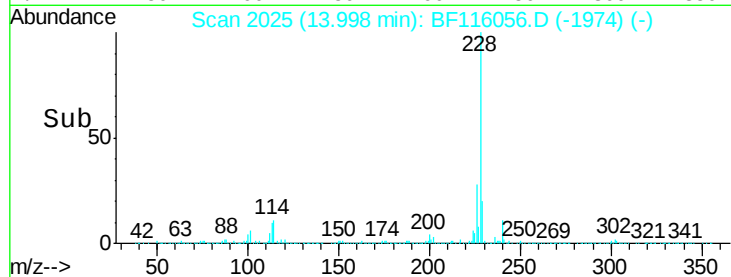
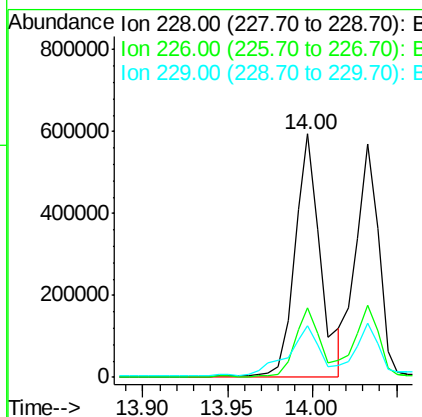
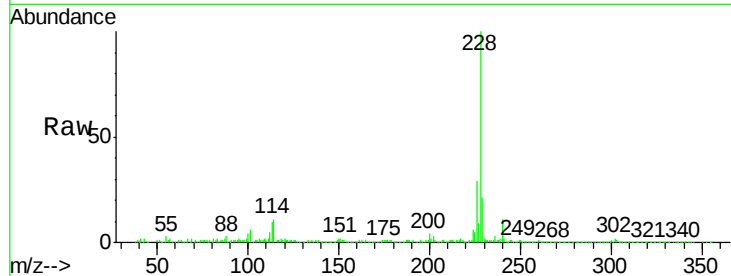
#81
Benzo(a)anthracene
Concen: 39.395 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.7	34.1
229	21.0	16.2	24.4

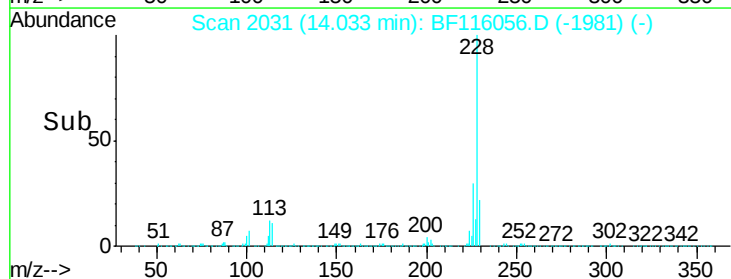
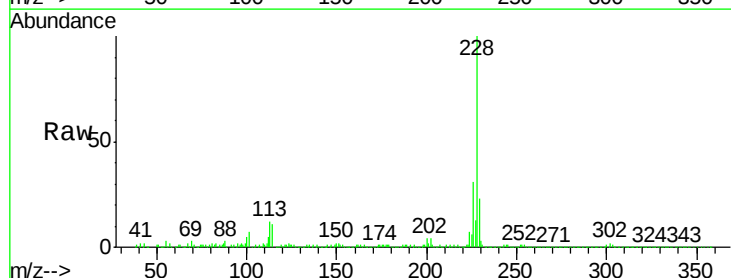
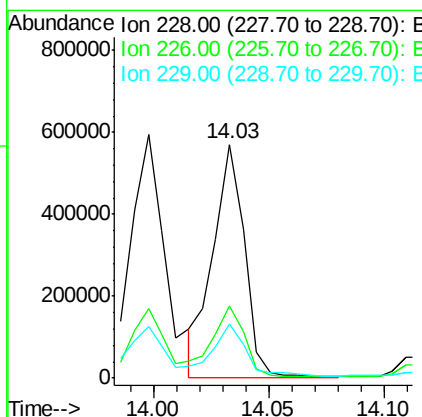
Manual Integrations
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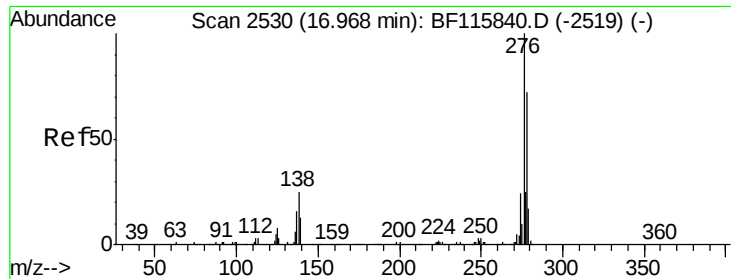
mohammad
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#83
Chrysene
Concen: 35.099 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.5	38.3
229	23.2	16.6	24.8





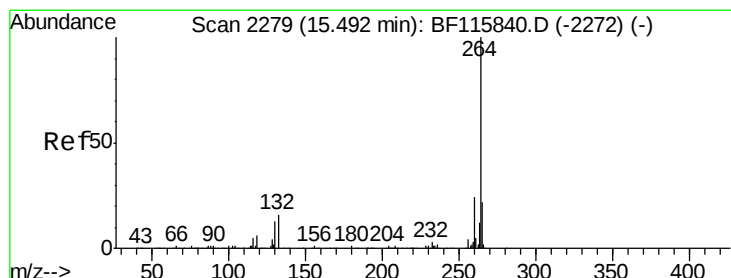
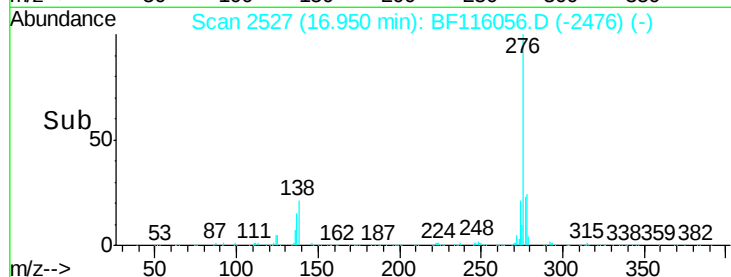
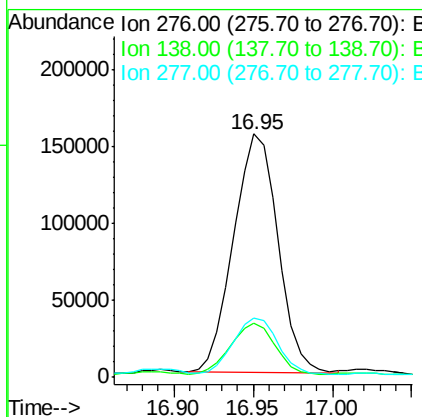
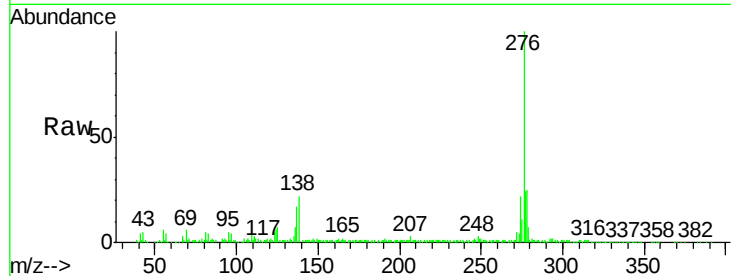
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 23.603 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BF116056.D
 Acq: 7 Aug 2019 19:47

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

Tot Ion	Ratio	Resp	Lower	Upper
276	100	302405		
138	21.9		20.4	30.6
277	23.1		20.0	30.0

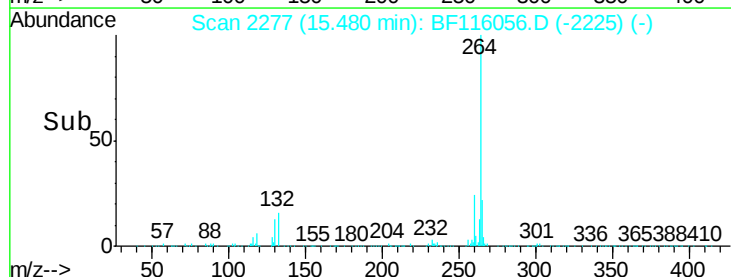
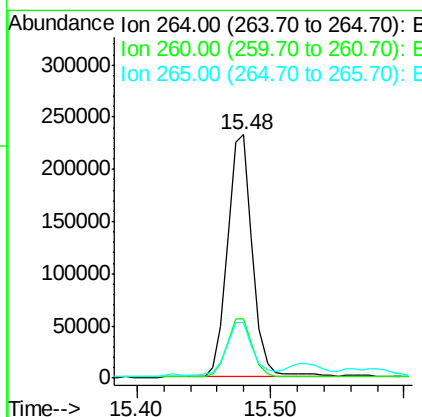
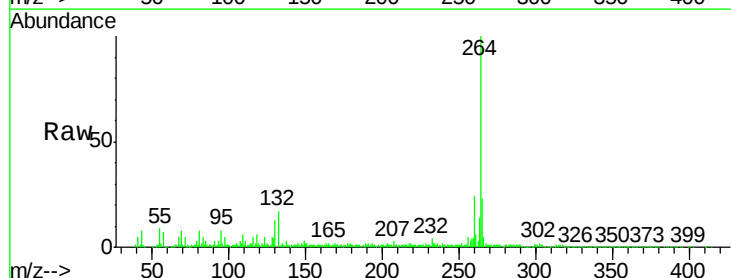
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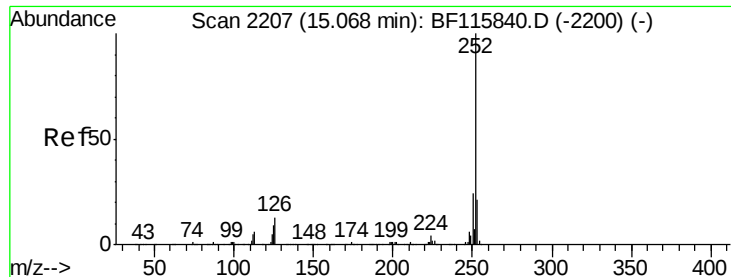
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. 0.01 min
 Lab File: BF116056.D
 Acq: 7 Aug 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	302817		
260	24.5		19.7	29.5
265	22.7		17.4	26.0





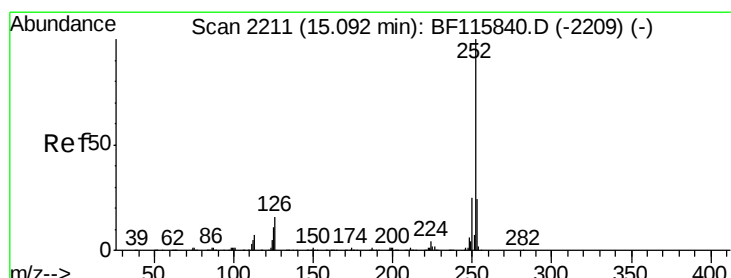
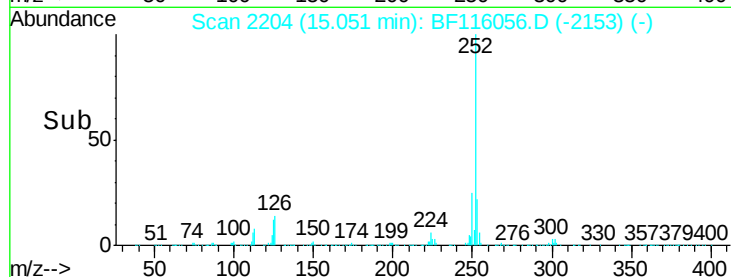
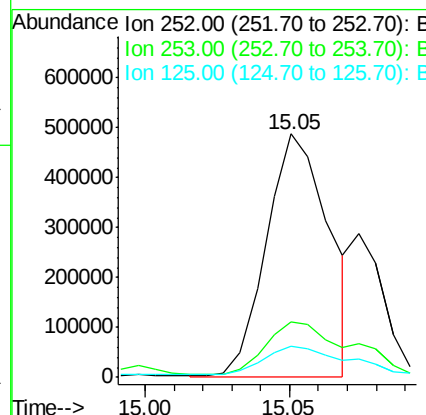
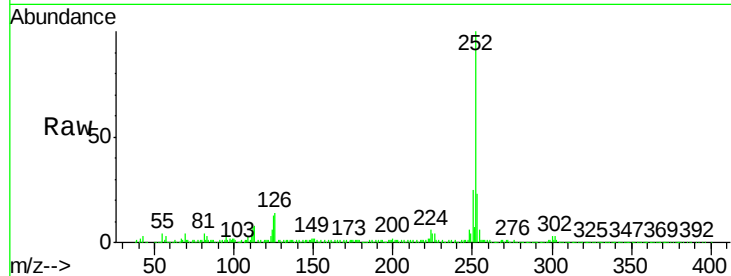
#88
Benzo(b)fluoranthene
Concen: 41.907 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

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

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

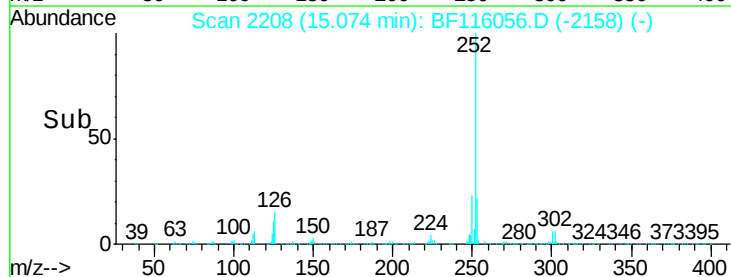
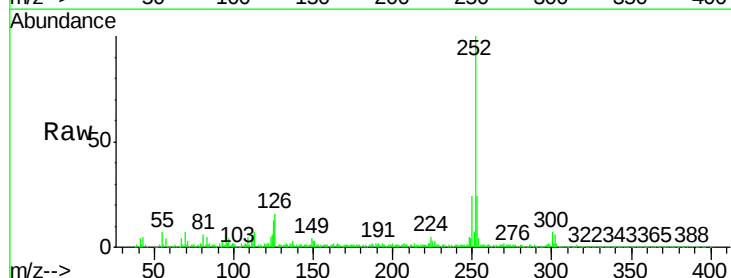
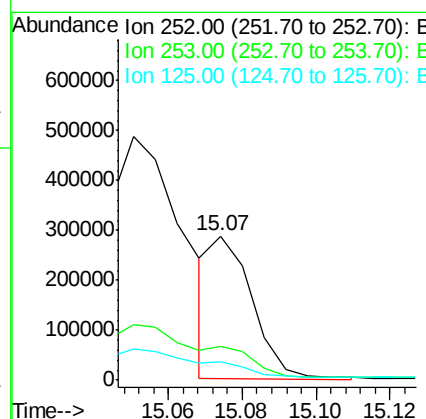
Manual Integrations
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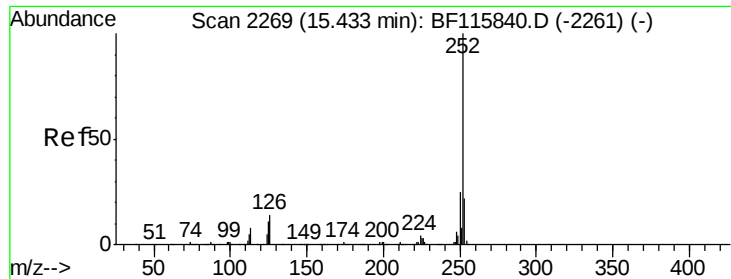
mohammad
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#89
Benzo(k)fluoranthene
Concen: 13.078 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	12.7	7.7	11.5#





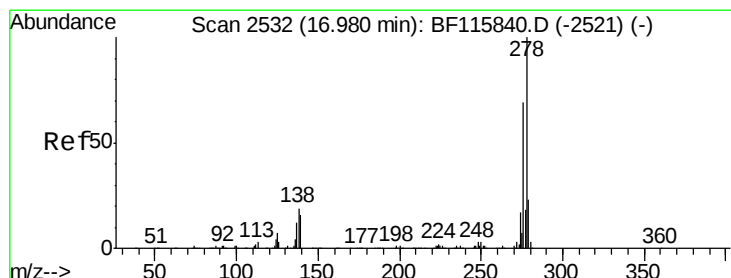
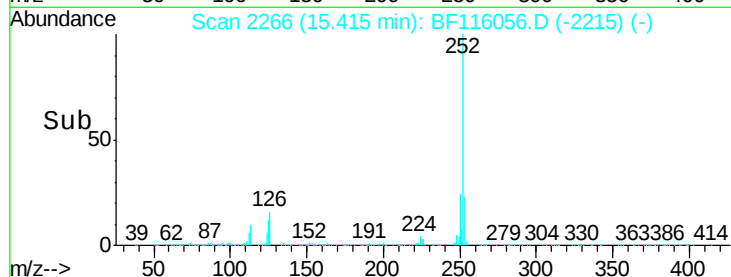
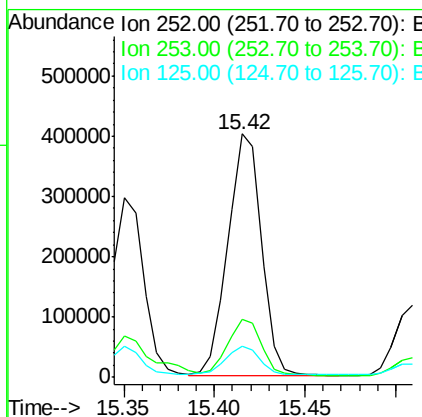
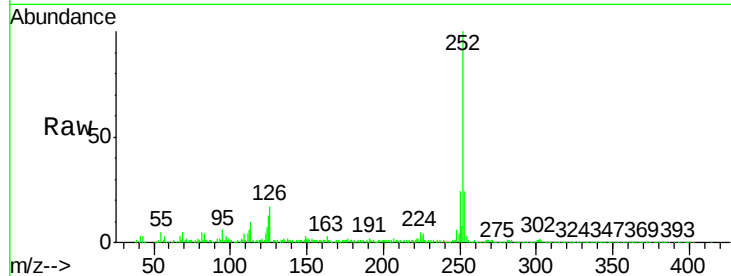
#90
Benzo(a)pyrene
Concen: 33.279 ng
RT: 15.42 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	13.0	8.9	13.3

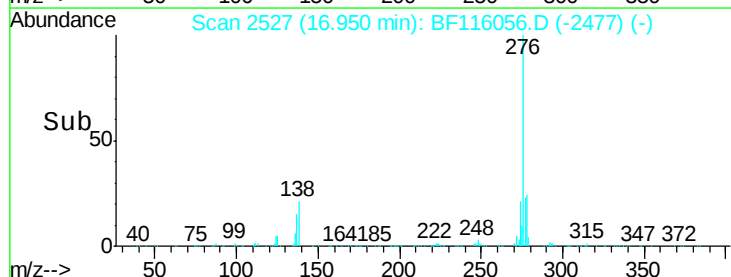
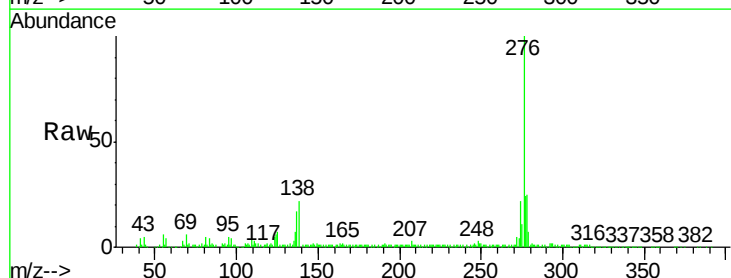
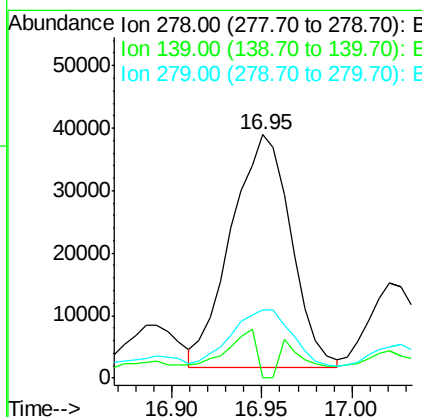
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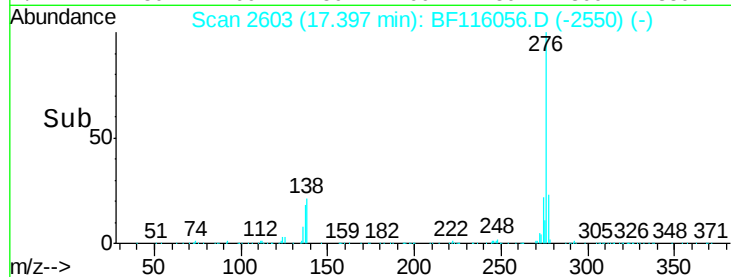
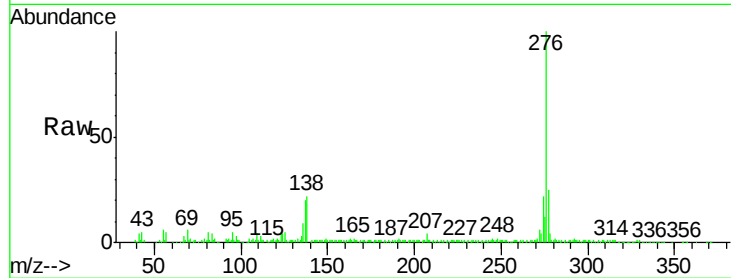
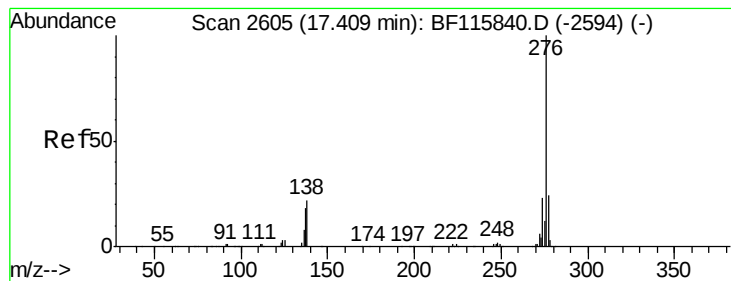
mohammad
8/8/2019 4:47:01 PM



#91
Dibenzo(a,h)anthracene
Concen: 6.338 ng m
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF116056.D
Acq: 7 Aug 2019 19:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	28.0	18.8	28.2





#92

Benzo(a,h,i)perylene

Concen: 21.780 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BF116056.D

Acq: 7 Aug 2019 19:47

Tot Ion:	276	Resp:	289801
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.4	27.6
138	22.0	17.0	25.6

Instrument :

BNA_F

ClientSampleId :

TRIPLE-BARREL-BC-WEST

Manual Integrations
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