

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116156.D
 Acq On : 10 Aug 2019 18:34
 Operator : HP/JU
 Sample : K4090-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-A

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:54:49 AM

Quant Time: Aug 12 02:27:52 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	176177	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	661507	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	306774	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	426343	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	300738	20.00	ng	0.00
87) Perylene-d12	15.47	264	288629	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	979748	93.10	ng	0.00
7) Phenol-d6	6.48	99	1254517	94.48	ng	0.00
23) Nitrobenzene-d5	7.40	82	814813	71.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	211822	71.22	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1231566	75.20	ng	-0.01
79) Terphenyl-d14	12.94	244	926692	64.93	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	41714	2.668	ng	86
50) Dimethylphthalate	9.59	163	151954	7.275	ng	98
71) Phenanthrene	11.38	178	184970	8.487	ng	99
72) Anthracene	11.44	178	62848	2.849	ng	99
75) Fluoranthene	12.57	202	374908	16.431	ng	100
78) Pyrene	12.80	202	350851	15.476	ng	99
81) Benzo(a)anthracene	13.99	228	172303	8.964	ng	99
83) Chrysene	14.03	228	147985	7.930	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	72051	4.597	ng	96
88) Benzo(b)fluoranthene	15.04	252	187884m	11.258	ng	
89) Benzo(k)fluoranthene	15.07	252	58914m	3.624	ng	
90) Benzo(a)pyrene	15.41	252	134076	8.987	ng	98
92) Benzo(a,h,i)perylene	17.40	276	74584	5.881	ng	94

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

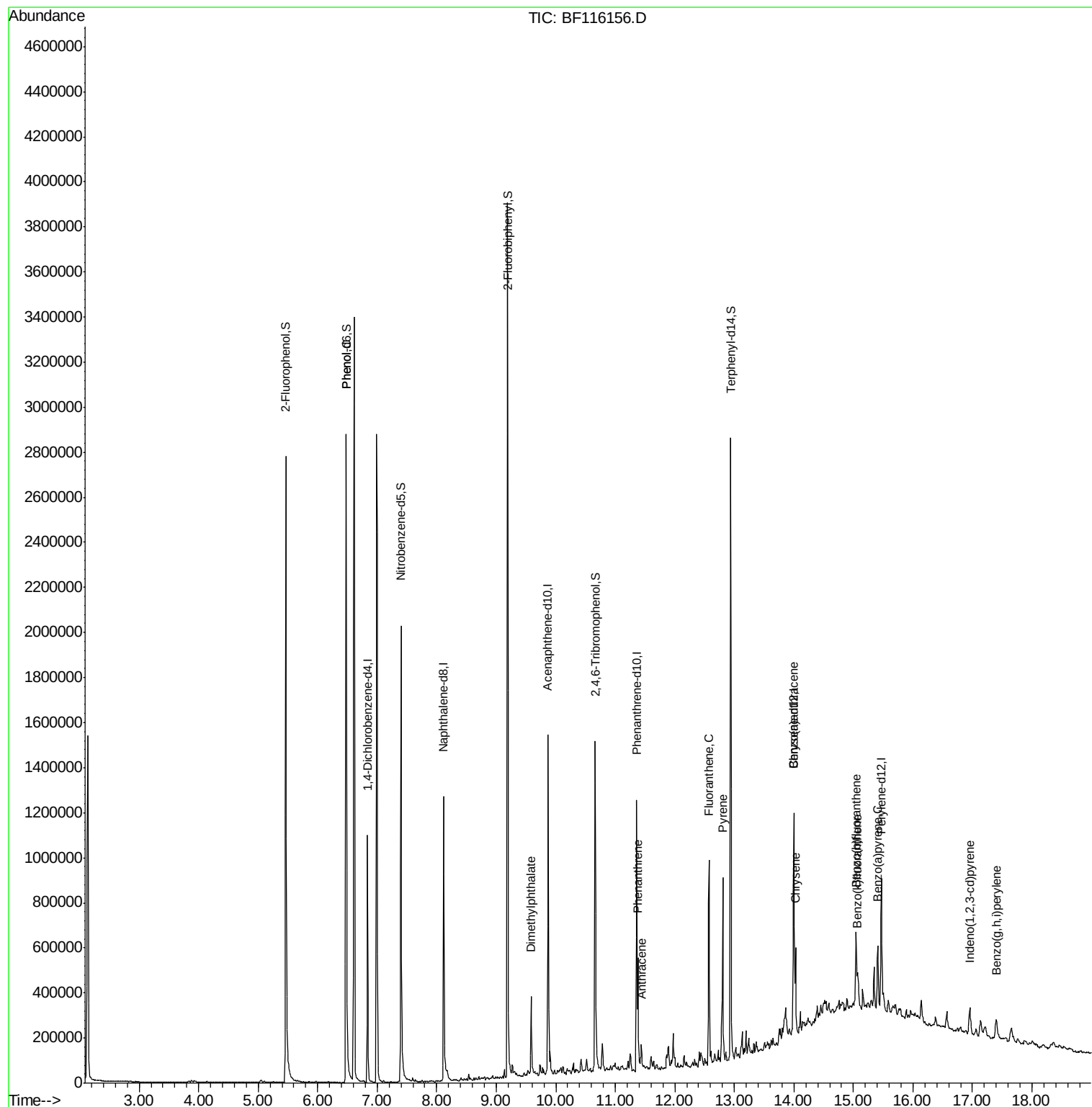
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
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ALS Vial : 17 Sample Multiplier: 1

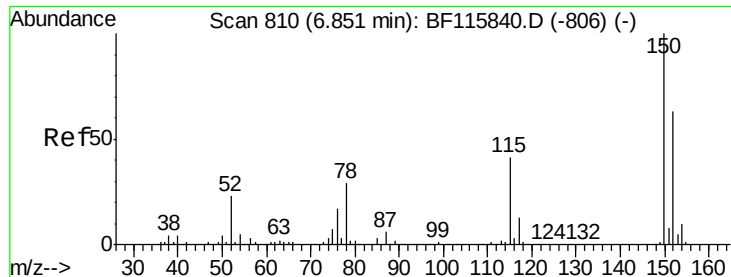
Instrument :
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#1

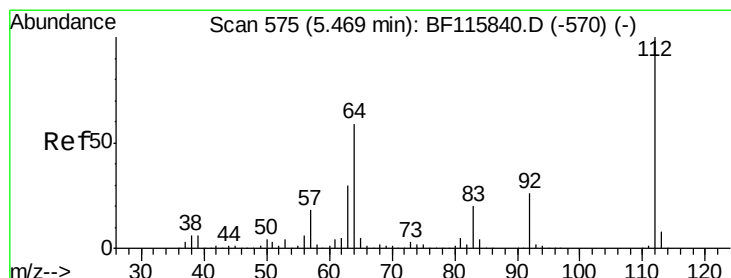
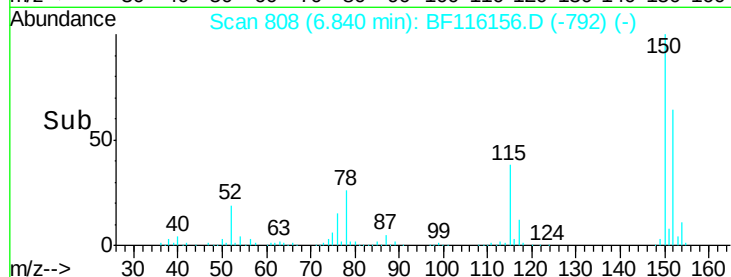
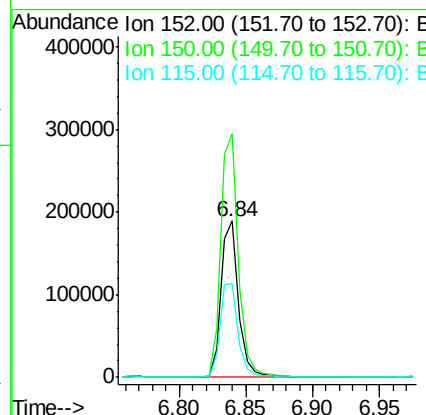
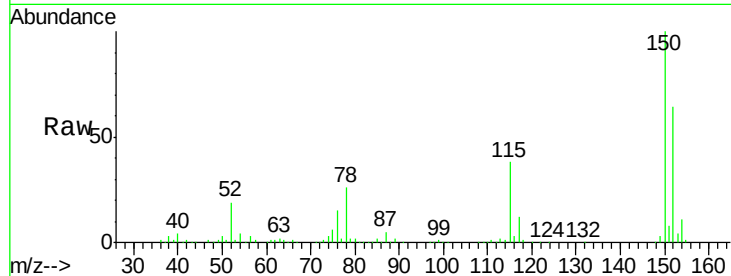
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	59.7	49.9	74.9

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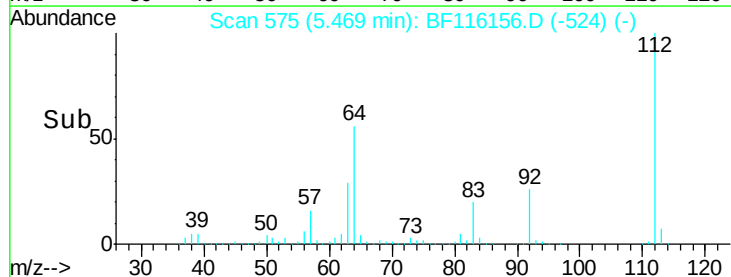
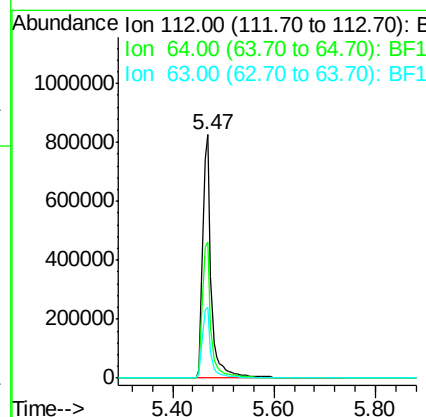
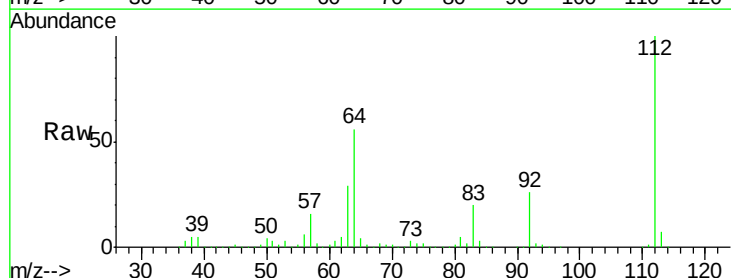
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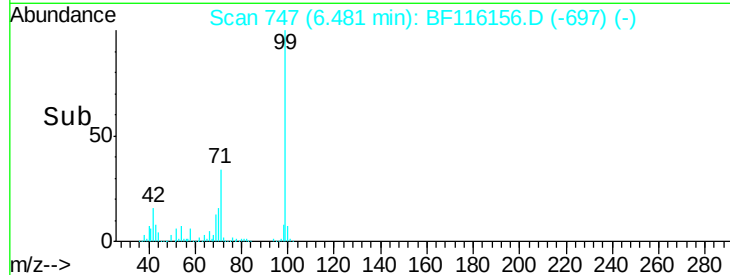
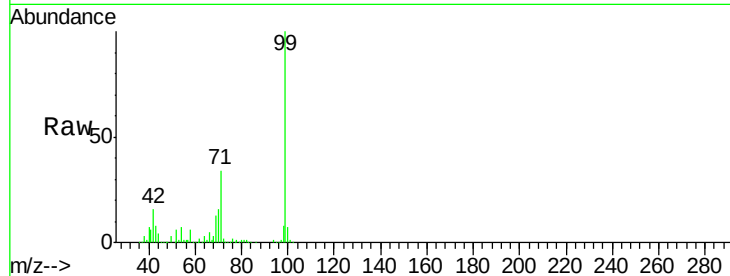
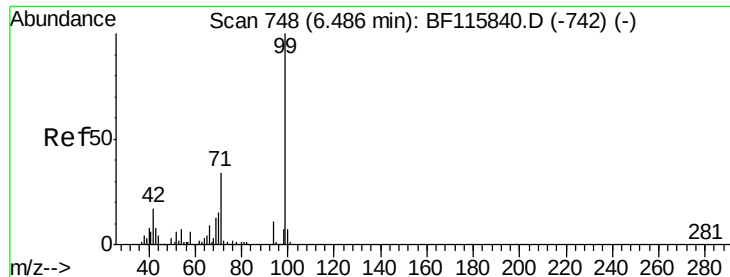


#5

2-Fluorophenol
 Concen: 93.097 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.4	68.2
63	29.3	23.7	35.5





#7

Phenol-d6

Concen: 94.482 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

Tot Ion:	99	Resp:	1254517
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.8	20.8
71	33.9	27.3	40.9

Instrument :

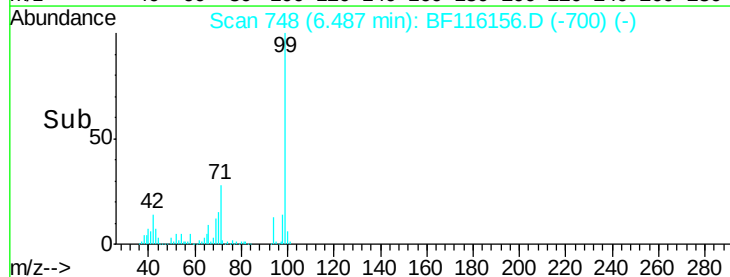
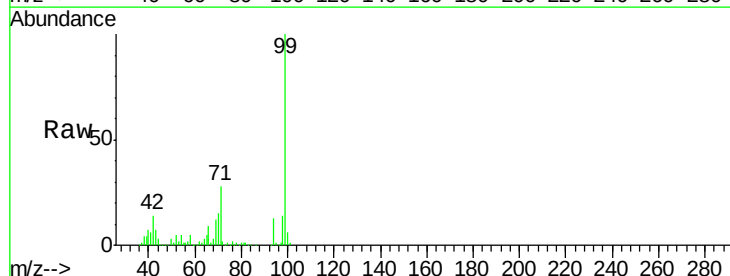
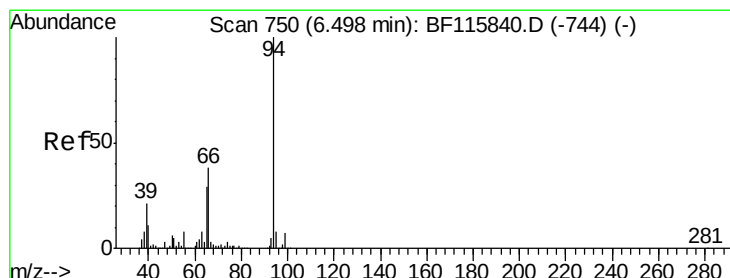
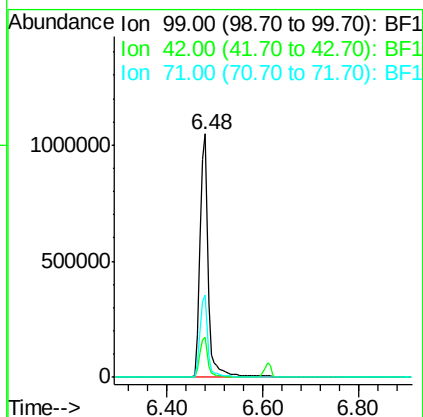
BNA_F

ClientSampleId :

OR-03-080919-A

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#10

Phenol

Concen: 2.668 ng

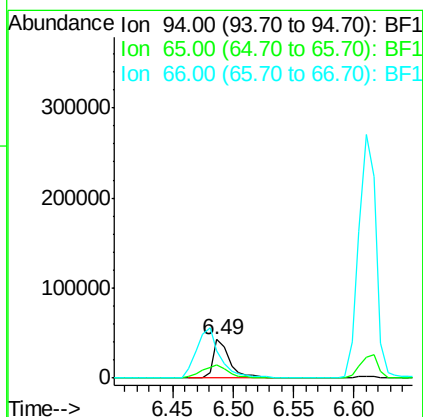
RT: 6.49 min Scan# 748

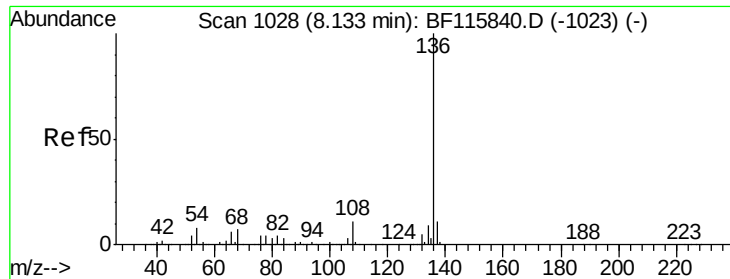
Delta R.T. -0.02 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

Tgt Ion:	94	Resp:	41714
Ion	Ratio	Lower	Upper
94	100		
65	34.9	16.8	56.8
66	70.1	34.2	74.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

Instrument :

BNA_F

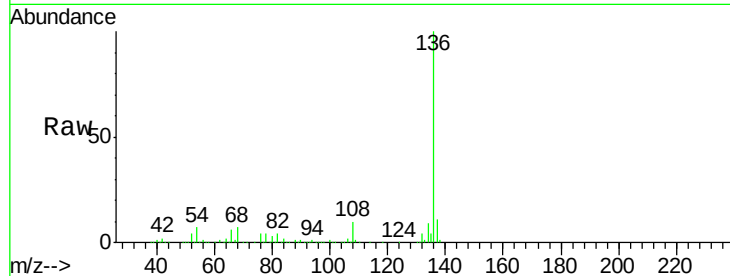
ClientSampleId :

OR-03-080919-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	661507		
137	11.1		9.0	13.4
54	7.4		5.8	8.6
68	6.7		5.2	7.8

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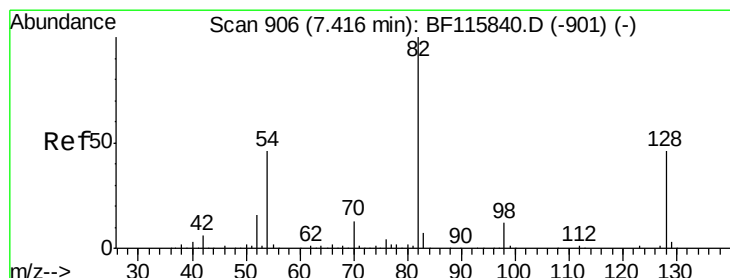
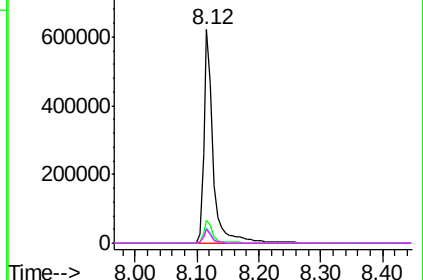
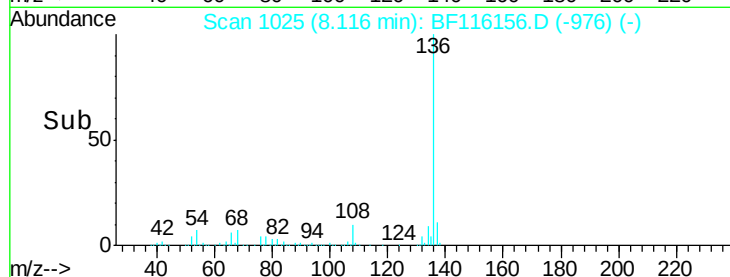


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 71.101 ng

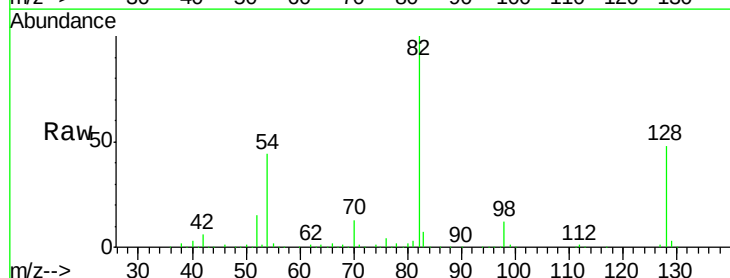
RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

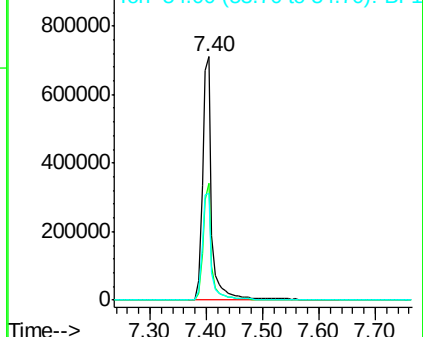
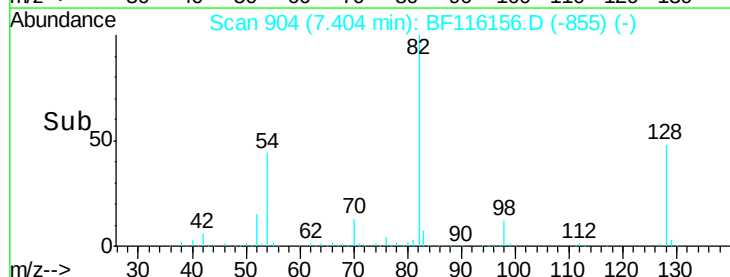
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	814813		
128	47.9		36.5	54.7
54	43.6		36.0	54.0

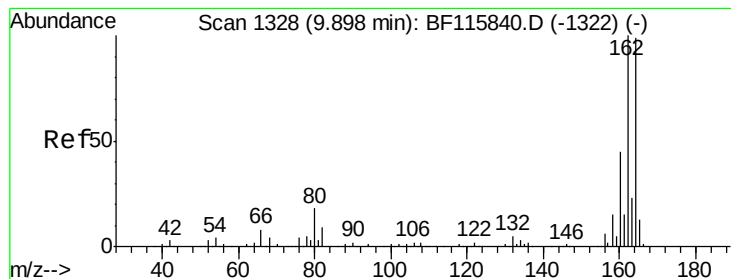


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

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: BF116156.D

Acq: 10 Aug 2019 18:34

Instrument :

BNA_F

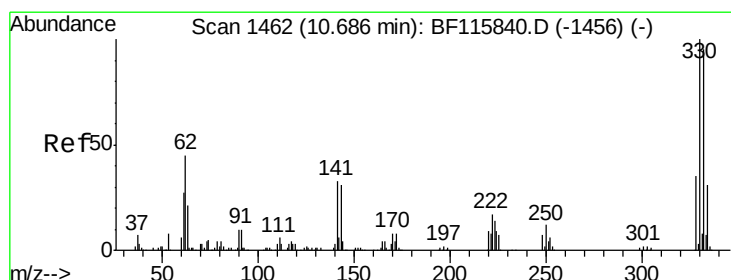
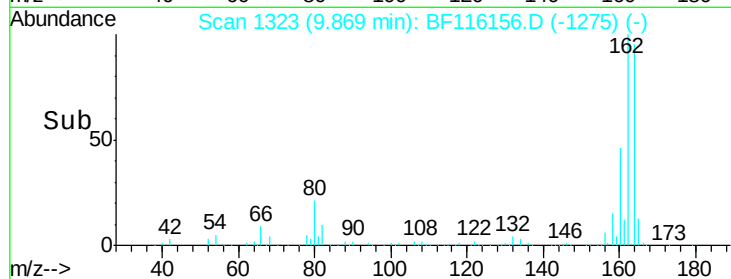
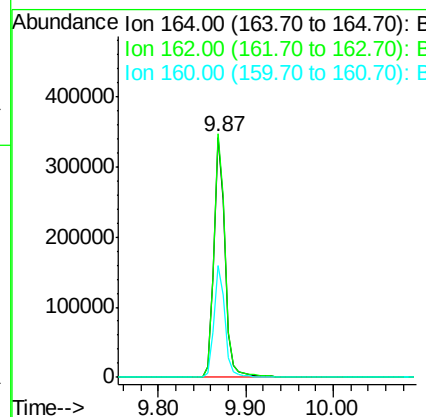
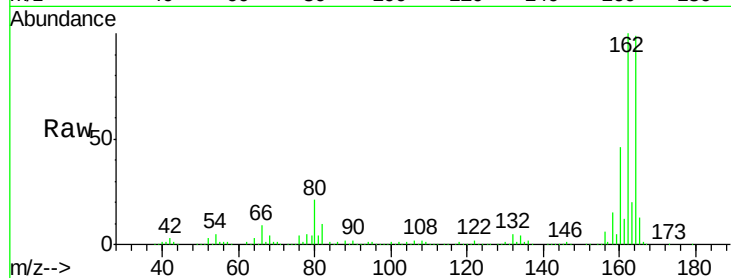
ClientSampleId :

OR-03-080919-A

Tot Ion:	164	Resp:	306774
Ion Ratio	Lower	Upper	
164	100		
162	101.4	82.6	124.0
160	46.6	37.6	56.4

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#42

2,4,6-Tribromophenol

Concen: 71.218 ng

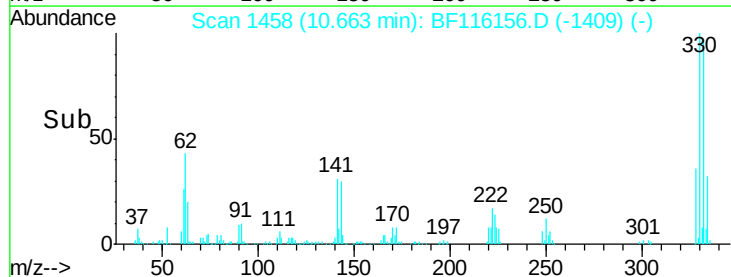
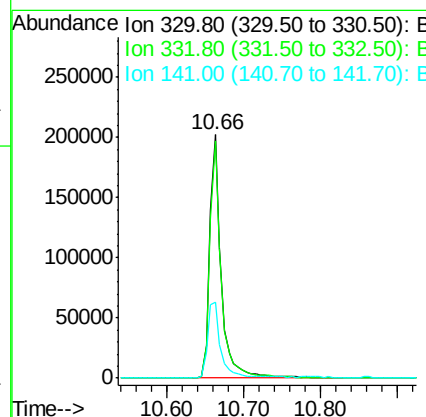
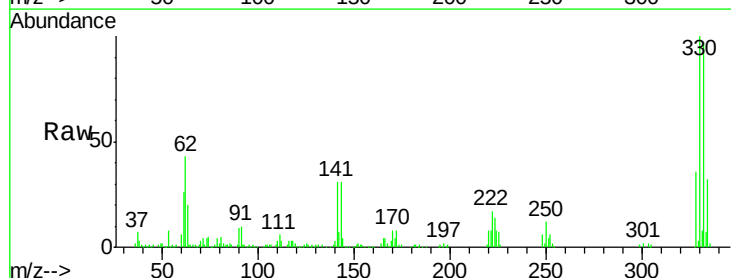
RT: 10.66 min Scan# 1458

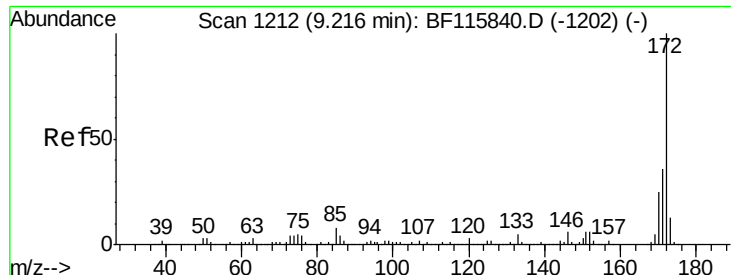
Delta R.T. -0.01 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

Tgt Ion:	330	Resp:	211822
Ion Ratio	Lower	Upper	
330	100		
332	97.2	76.8	115.2
141	34.9	26.3	39.5





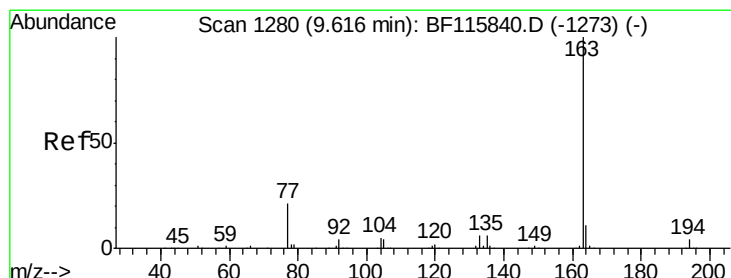
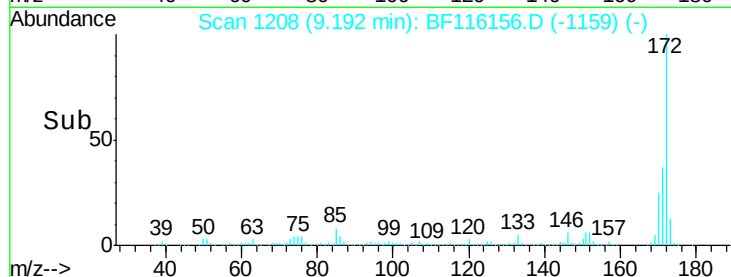
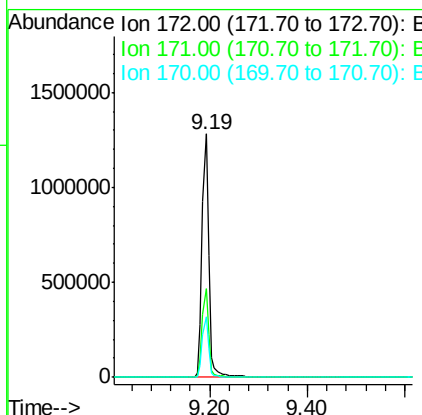
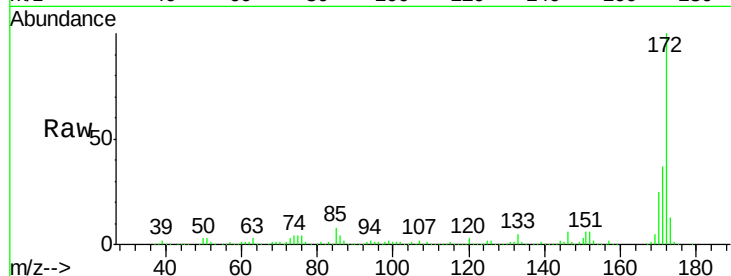
#45
2-Fluorobiphenyl
Concen: 75.196 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :
OR-03-080919-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	25.1	20.1	30.1

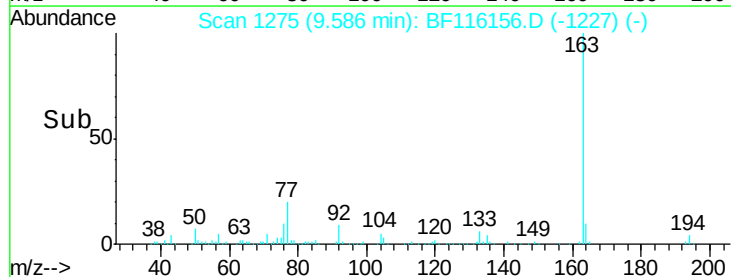
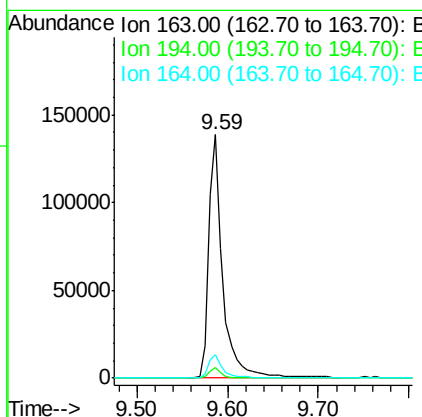
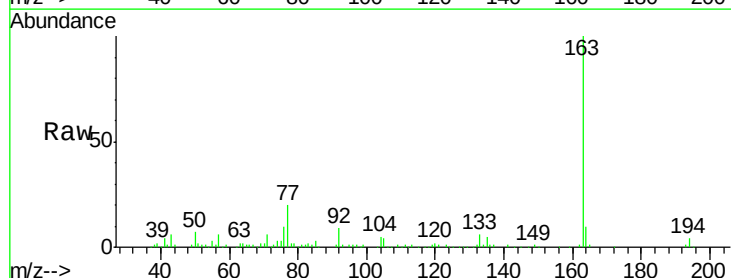
Manual Integrations
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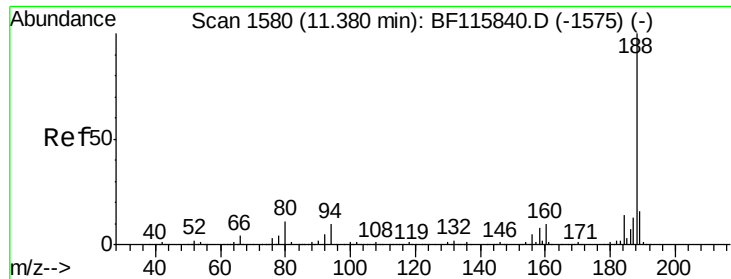
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#50
Dimethylphthalate
Concen: 7.275 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	9.7	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

Instrument :

BNA_F

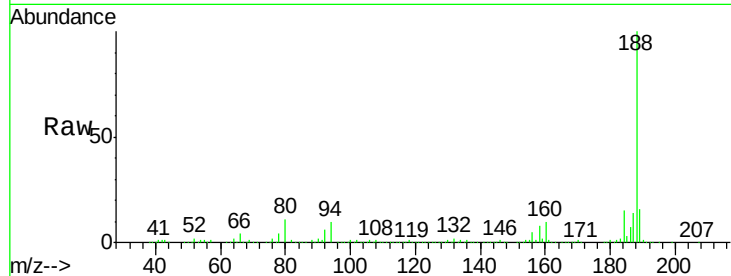
ClientSampleId :

OR-03-080919-A

Tot Ion:188	Resp:	426343
Ion Ratio	Lower	Upper
188 100		
94 10.1	8.1	12.1
80 11.1	8.7	13.1

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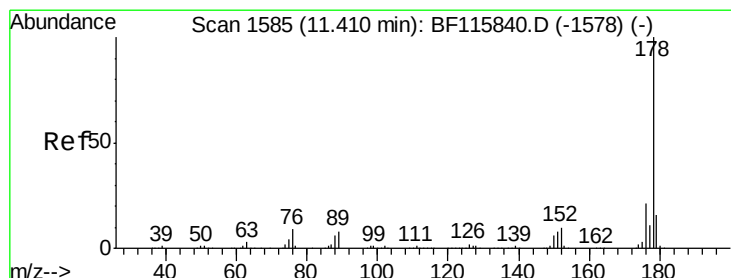
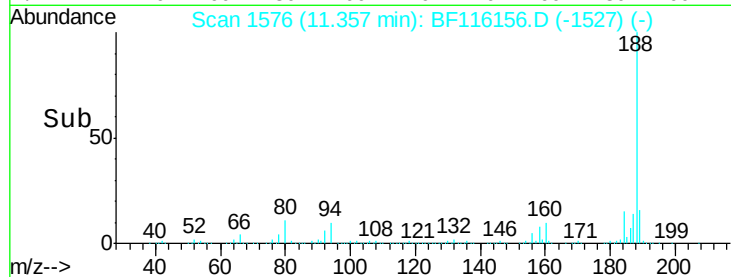
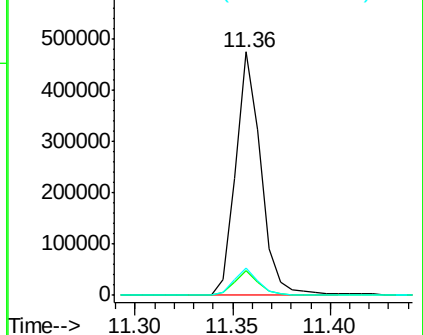
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 8.487 ng

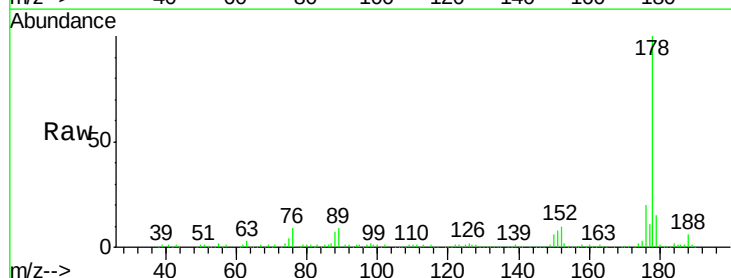
RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

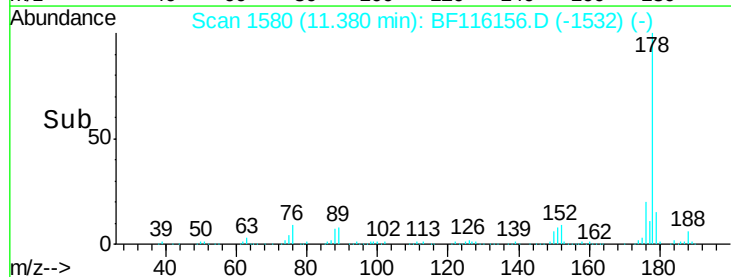
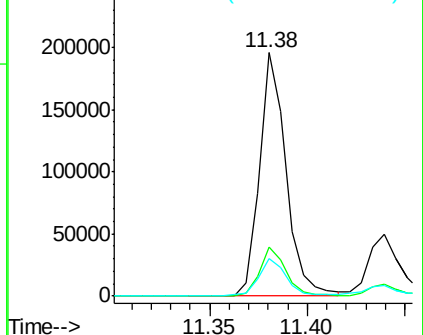
Tgt Ion:178	Resp:	184970
Ion Ratio	Lower	Upper
178 100		
176 20.0	16.6	24.8
179 15.2	12.5	18.7

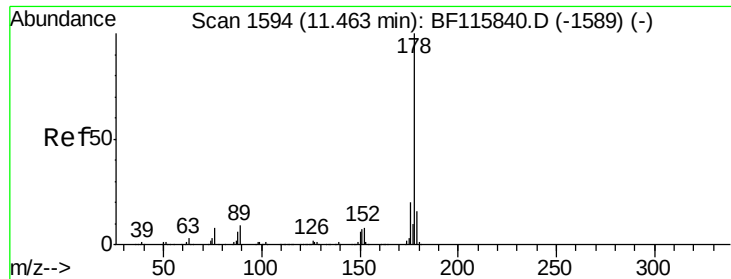


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.849 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

OR-03-080919-A

Tot Ion:178 Resp: 62848

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

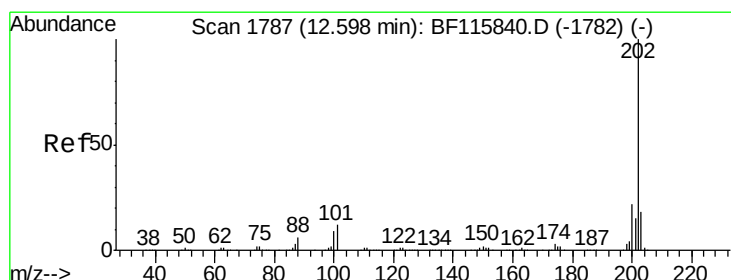
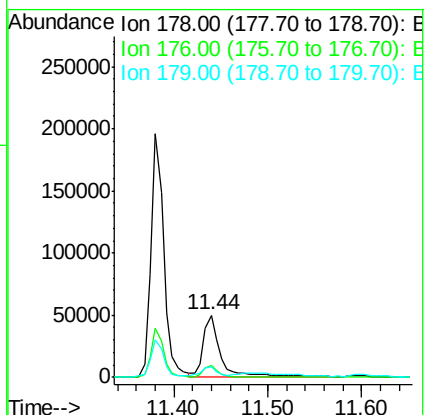
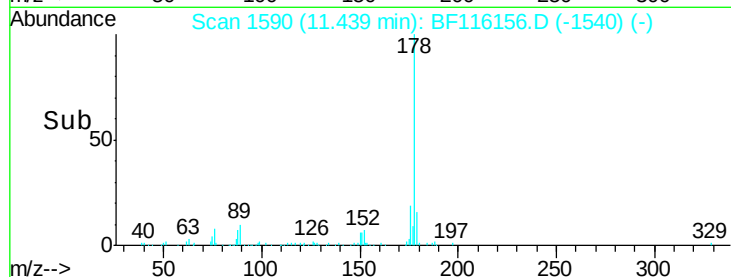
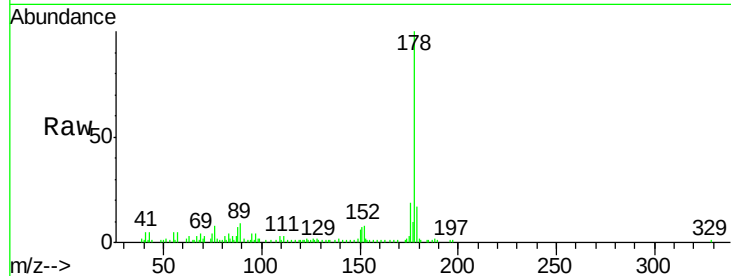
179 16.6 13.0 19.6

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#75

Fluoranthene

Concen: 16.431 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116156.D

Acq: 10 Aug 2019 18:34

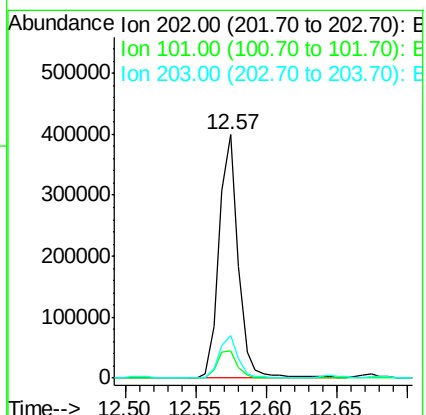
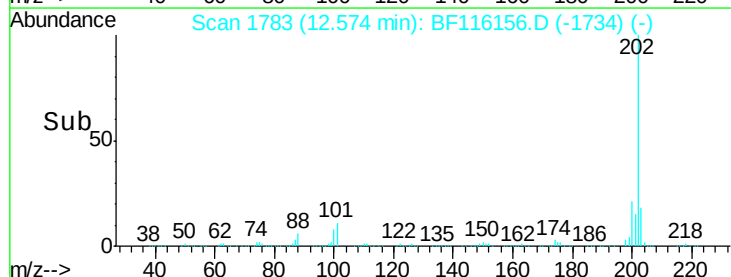
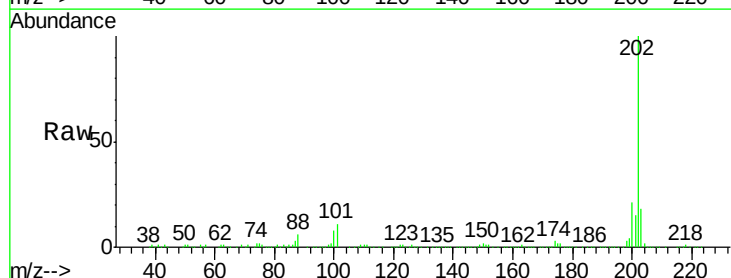
Tgt Ion:202 Resp: 374908

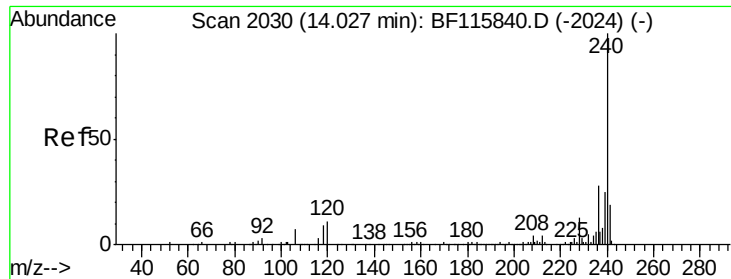
Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.2

203 17.6 0.0 37.8





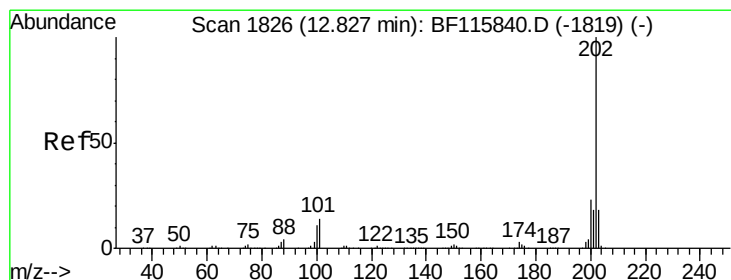
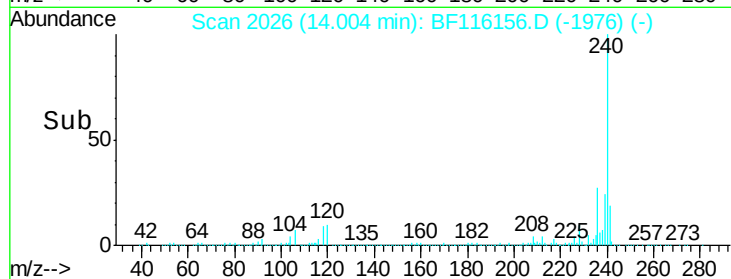
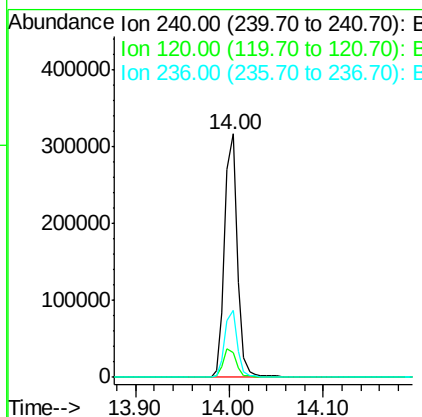
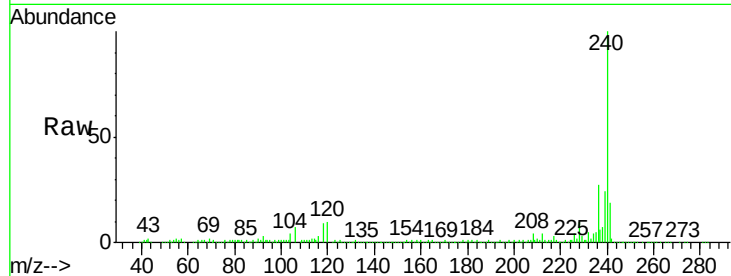
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :
OR-03-080919-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.7	16.1#
236	27.3	22.2	33.2

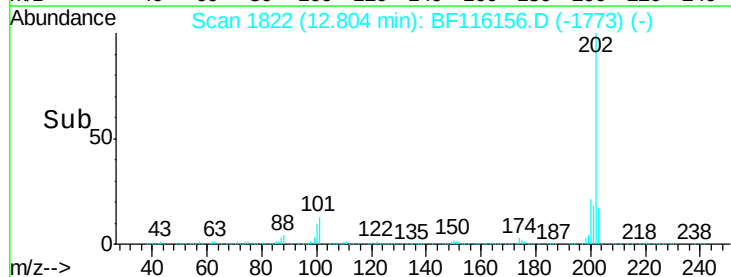
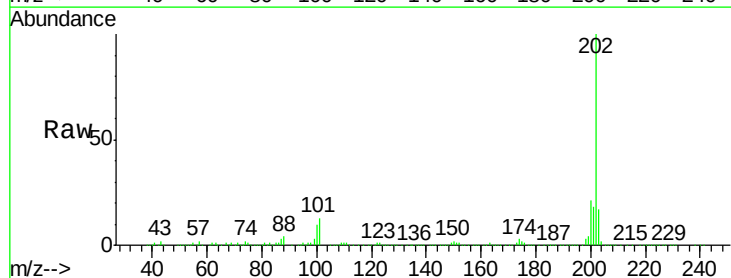
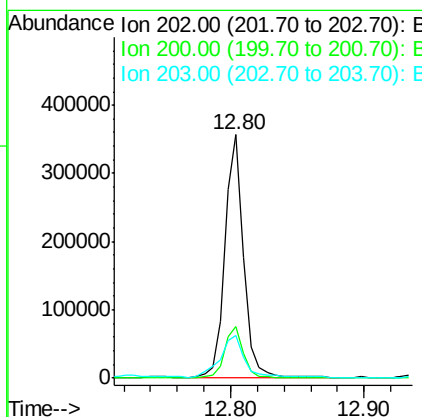
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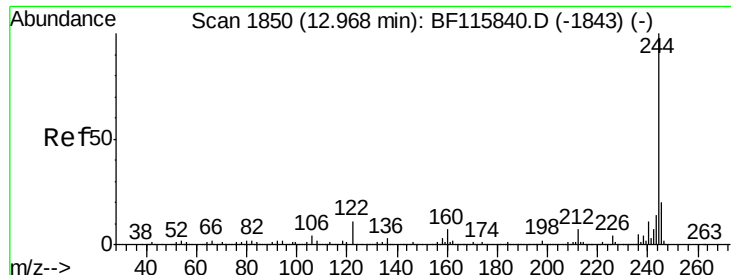
mohammad
8/14/2019 2:54:49 AM



#78
Pyrene
Concen: 15.476 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.0	27.0
203	17.4	14.1	21.1





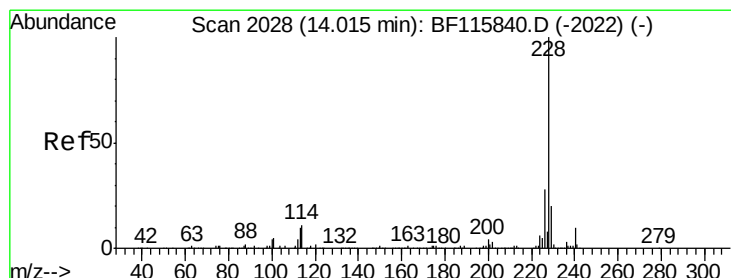
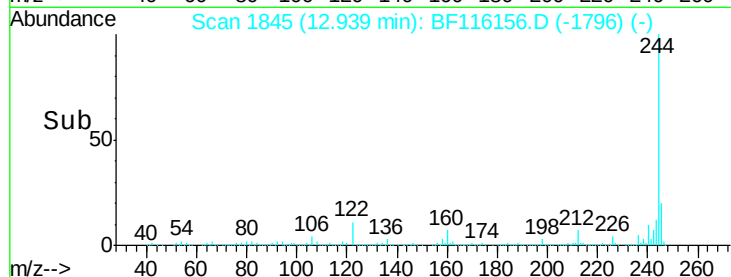
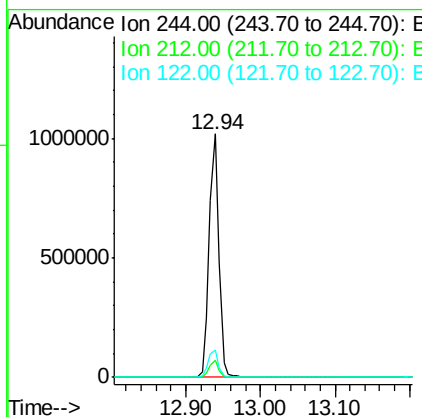
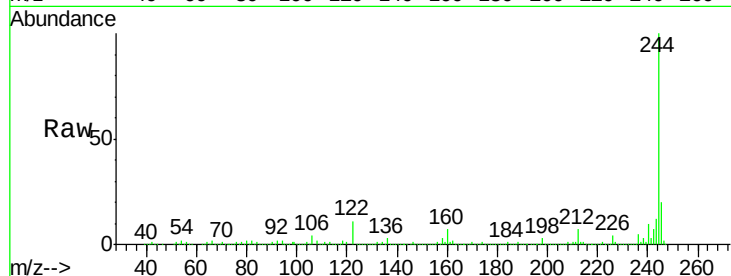
#79
 Terphenyl-d14
 Concen: 64.930 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampled :
 OR-03-080919-A

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	5.8	8.8	
122	11.4	9.0	13.4	

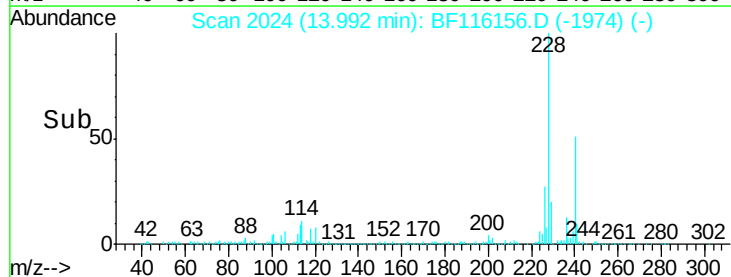
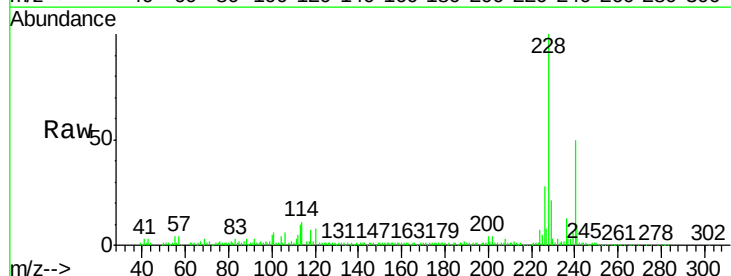
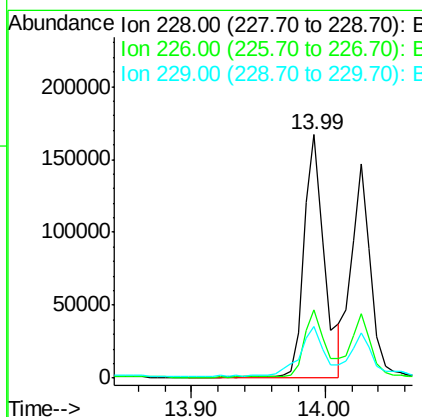
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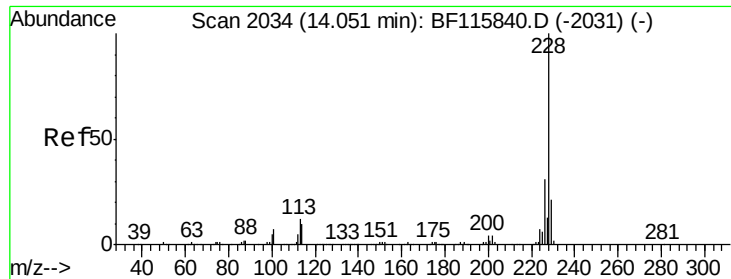
mohammad
 8/14/2019 2:54:49 AM



#81
 Benzo(a)anthracene
 Concen: 8.964 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.8	22.7	34.1	
229	21.1	16.2	24.4	





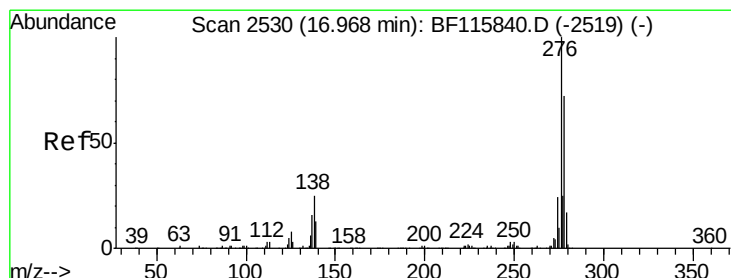
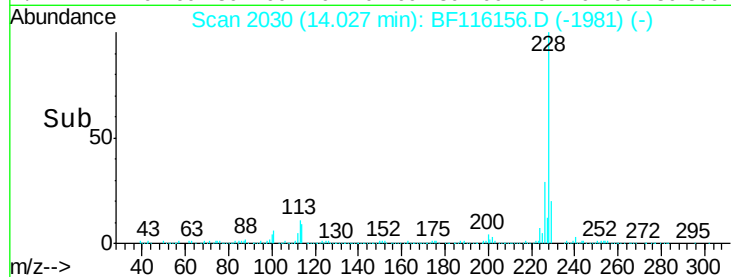
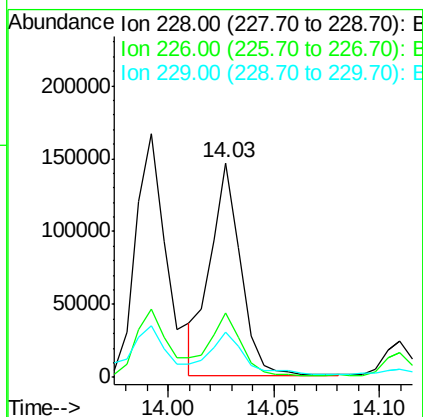
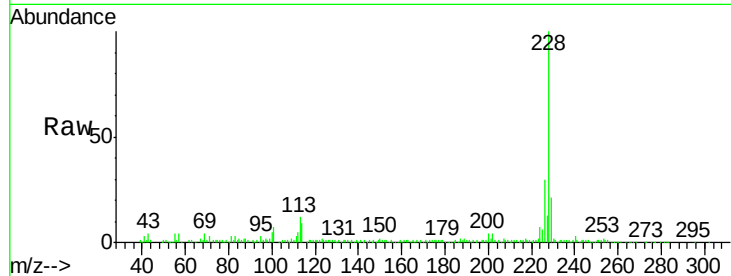
#83
Chrysene
Concen: 7.930 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :
OR-03-080919-A

Tot Ion	Ratio	Resp	Lower	Upper
228	100	147985		
226	29.9	25.5	38.3	
229	21.2	16.6	24.8	

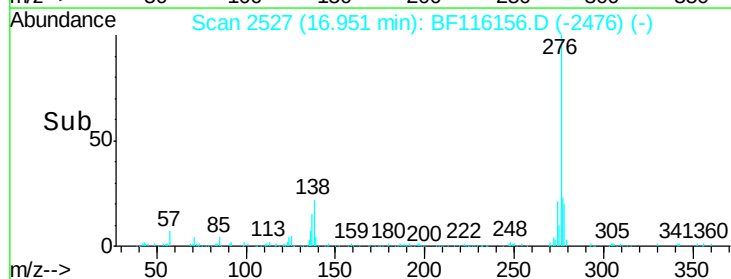
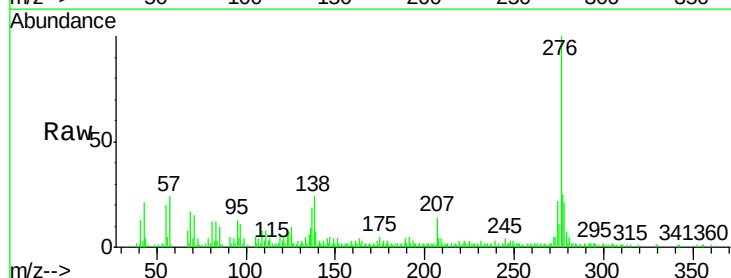
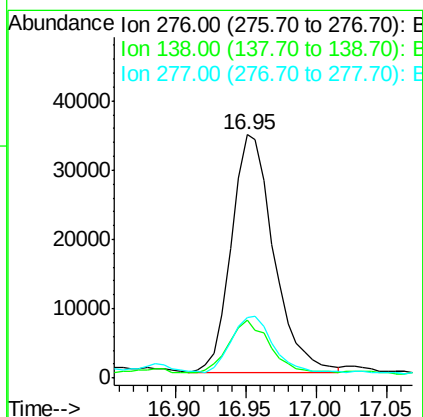
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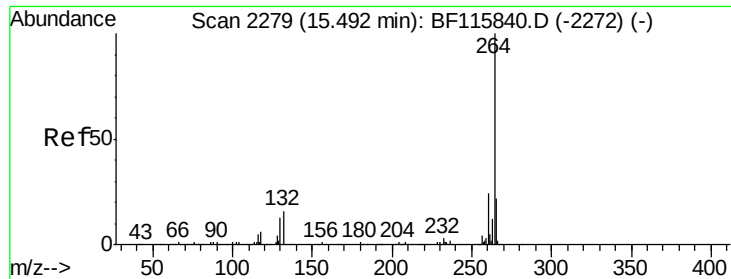
mohammad
8/14/2019 2:54:49 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.597 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	72051		
138	23.1	20.4	30.6	
277	23.0	20.0	30.0	





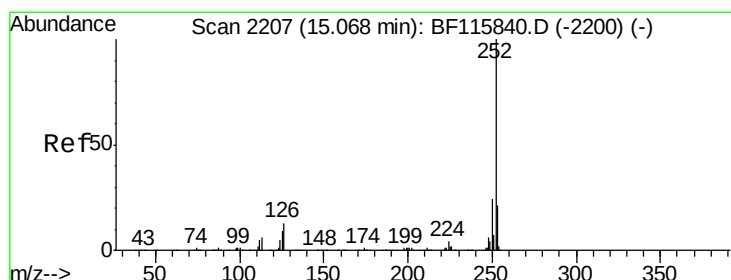
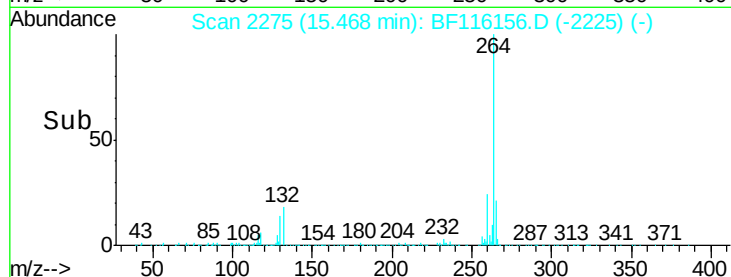
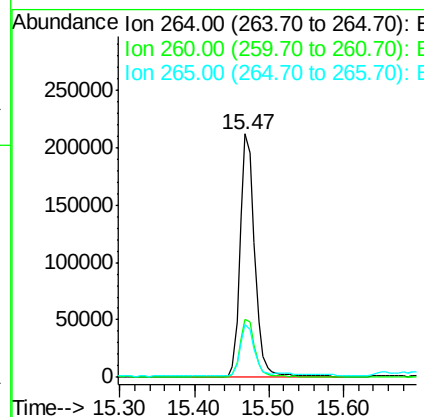
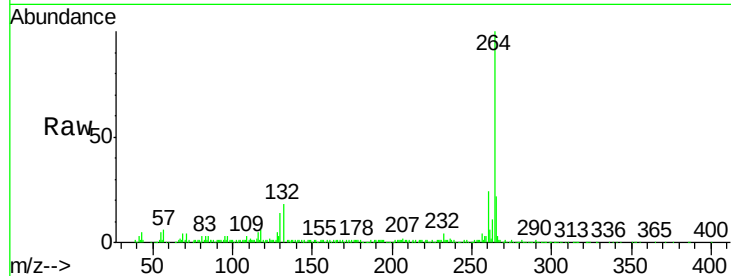
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :
OR-03-080919-A

Tot Ion	Ratio	Resp	Lower	Upper
264	100	288629		
260	24.0		19.7	29.5
265	21.7		17.4	26.0

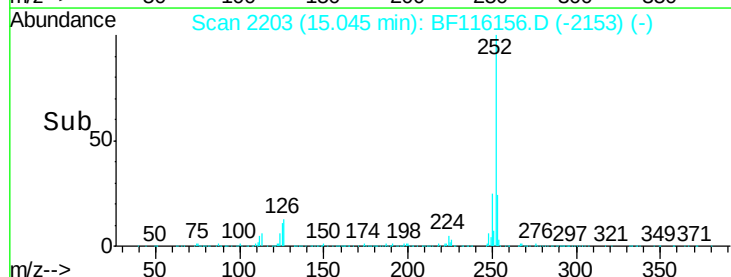
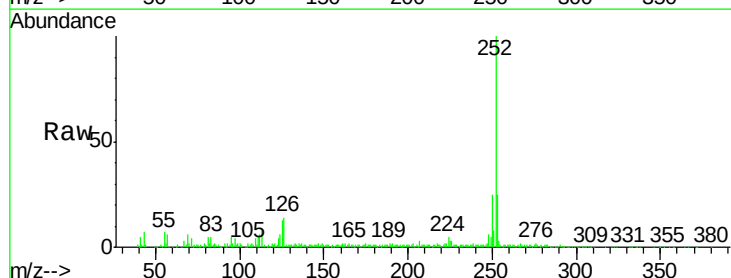
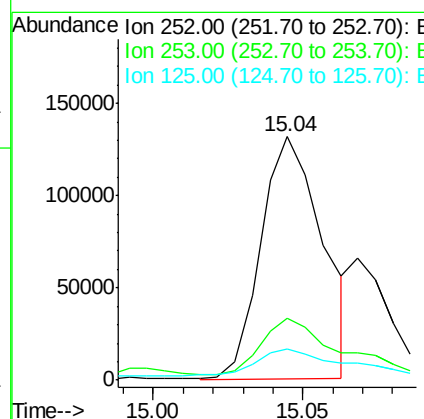
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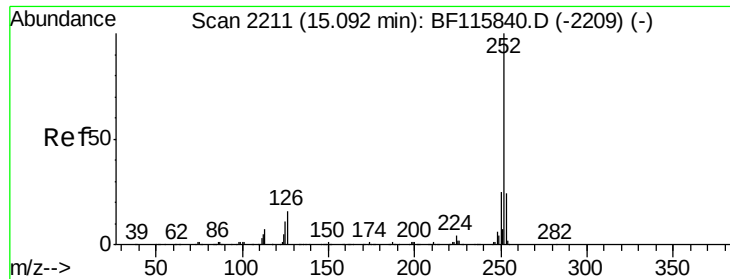
mohammad
8/14/2019 2:54:49 AM



#88
Benzo(b)fluoranthene
Concen: 11.258 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	187884		
253	25.4		17.8	26.8
125	12.6		8.4	12.6





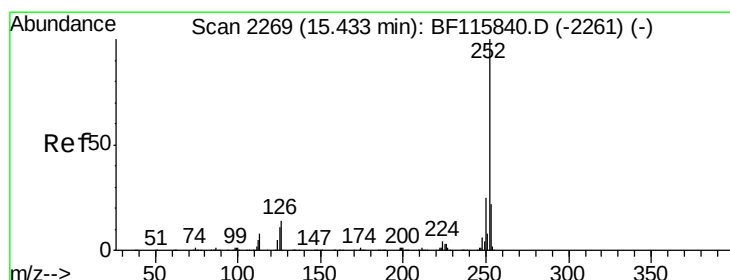
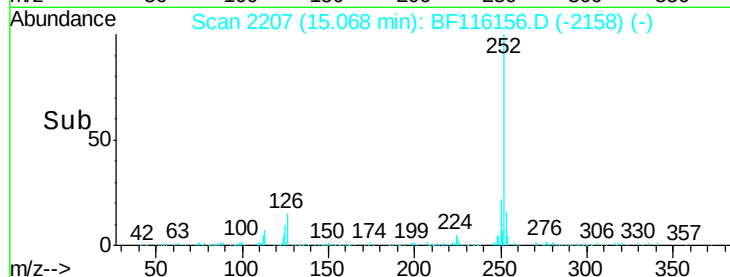
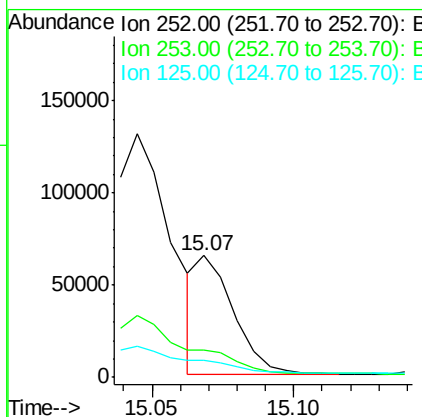
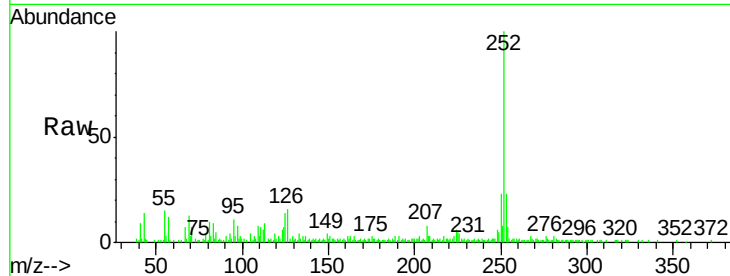
#89
Benzo(k)fluoranthene
Concen: 3.624 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :
OR-03-080919-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	14.0	7.7	11.5

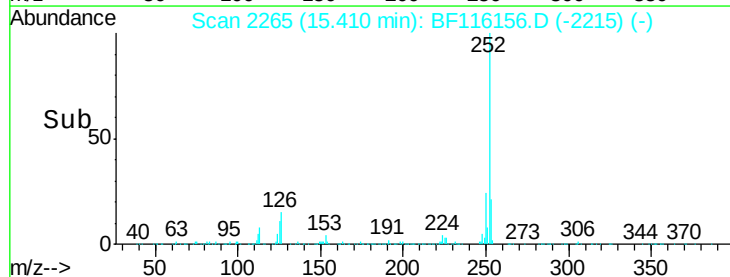
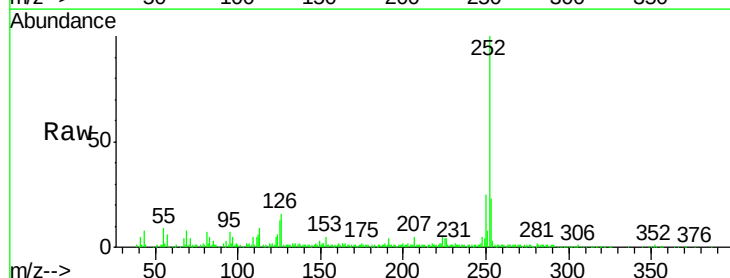
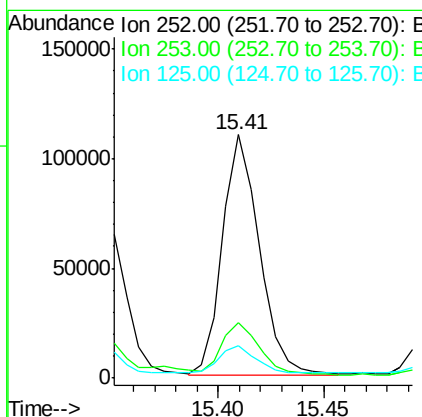
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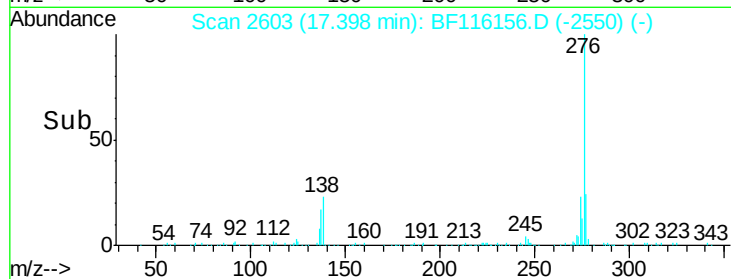
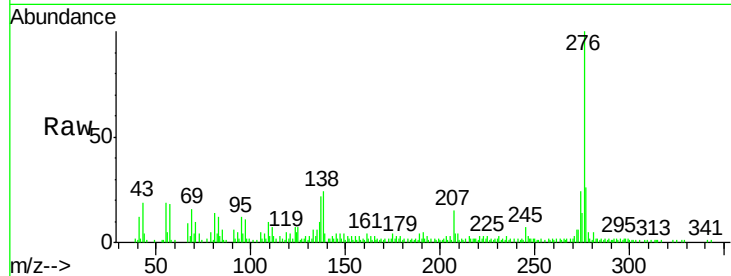
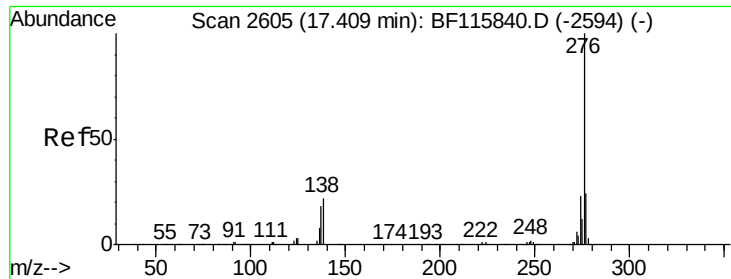
mohammad
8/14/2019 2:54:49 AM



#90
Benzo(a)pyrene
Concen: 8.987 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116156.D
Acq: 10 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	13.2	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 5.881 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.01 min
 Lab File: BF116156.D
 Acq: 10 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.4	27.6
138	24.5	17.0	25.6

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:54:49 AM

