

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119828.D
 Acq On : 7 Apr 2020 17:57
 Operator : MA/SJ
 Sample : L2146-12
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-65-COMP

Manual Integrations
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Quant Time: Apr 08 01:32:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	132092	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	466766	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	216046	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	413905	20.00	ng	0.00
76) Chrysene-d12	13.97	240	267927	20.00	ng	0.01
87) Perylene-d12	15.42	264	212083	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	801362	96.58	ng	0.01
7) Phenol-d6	6.42	99	965373	91.07	ng	0.00
23) Nitrobenzene-d5	7.35	82	553632	64.46	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	219599	98.52	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1075604	73.76	ng	0.00
79) Terphenyl-d14	12.91	244	1049125	76.72	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.69	152	235762	10.893	ng	97
50) Dimethylphthalate	9.55	163	166090	10.823	ng	98
55) Dibenzofuran	10.03	168	54947	2.840	ng	# 97
58) Fluorene	10.38	166	87212	6.096	ng	96
71) Phenanthrene	11.34	178	1178865	54.928	ng	99
72) Anthracene	11.39	178	361770	16.585	ng	97
73) Carbazole	11.55	167	62017	2.872	ng	97
75) Fluoranthene	12.54	202	2079207	89.517	ng	97
78) Pyrene	12.77	202	1882556	85.615	ng	98
81) Benzo(a)anthracene	13.96	228	925994m	53.148	ng	
83) Chrysene	13.99	228	795997	44.269	ng	96
86) Indeno(1,2,3-cd)pyrene	16.85	276	341238	20.150	ng	95
88) Benzo(b)fluoranthene	15.00	252	870742m	61.462	ng	
89) Benzo(k)fluoranthene	15.02	252	302485m	22.423	ng	
90) Benzo(a)pyrene	15.36	252	636563	49.442	ng	98
91) Dibenzo(a,h)anthracene	16.86	278	85870m	7.625	ng	
92) Benzo(g,h,i)perylene	17.29	276	316930	28.014	ng	98

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

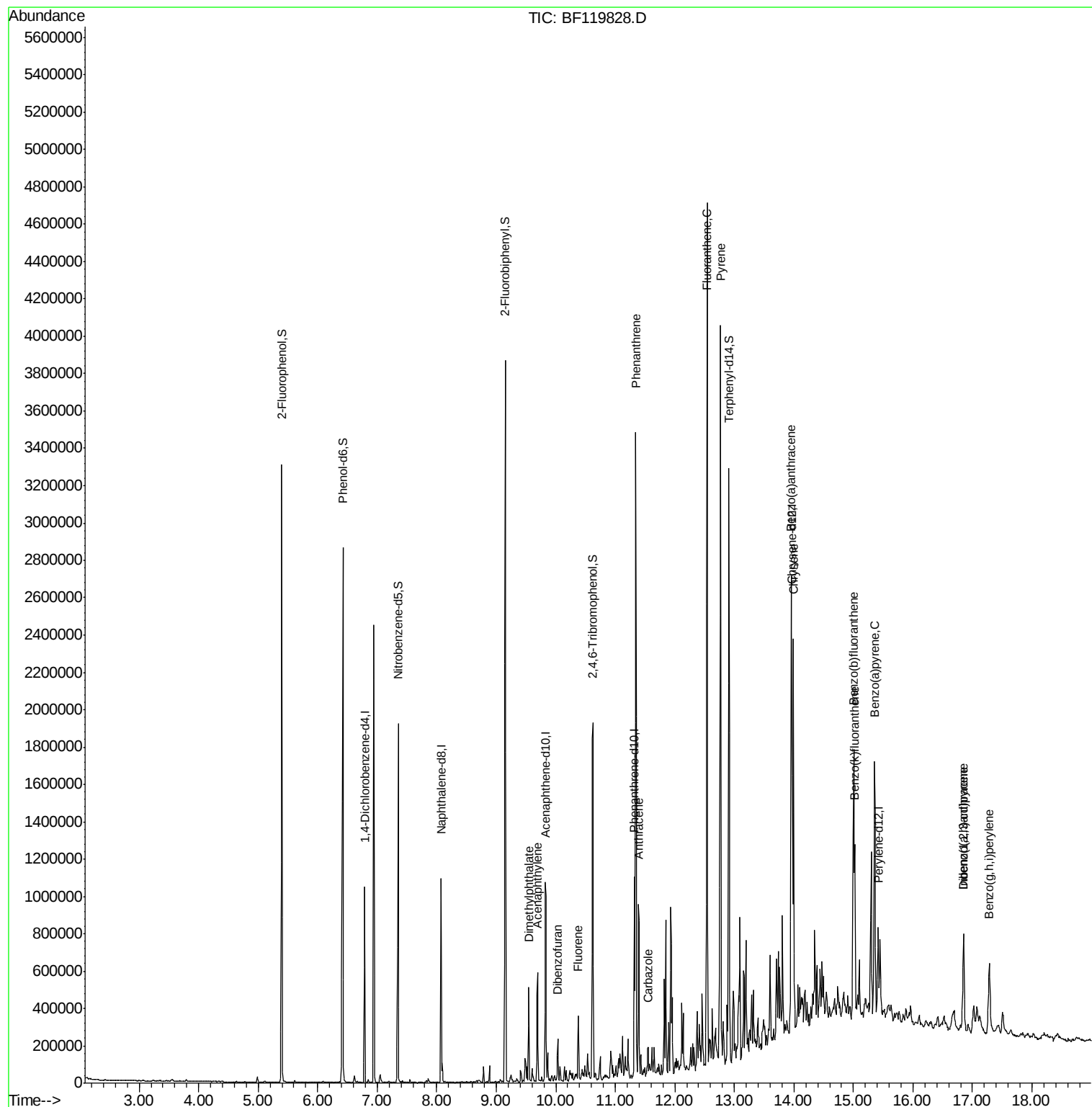
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119828.D
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ALS Vial : 61 Sample Multiplier: 1

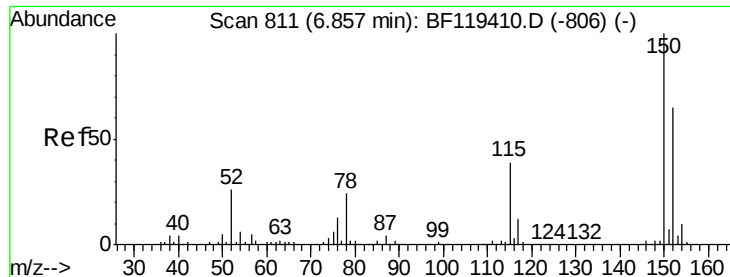
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 06 11:15:16 2020
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#1

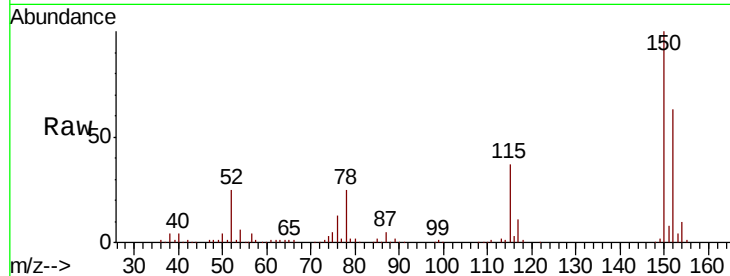
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Instrument :
BNA_F
ClientSampleId :
TP-65-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.5	186.7
115	59.3	49.6	74.4

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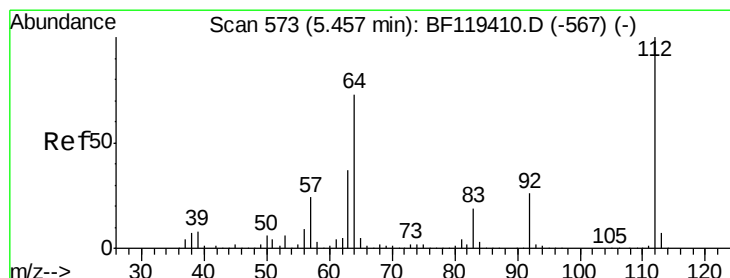
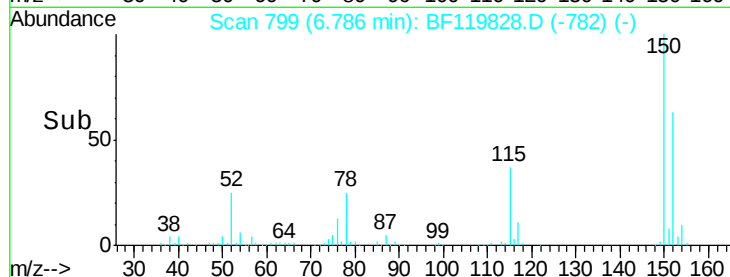
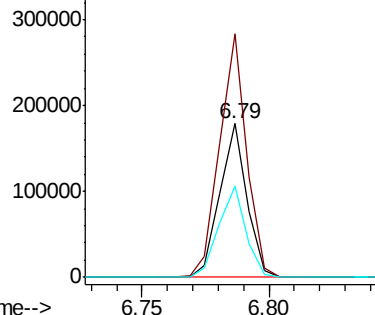


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

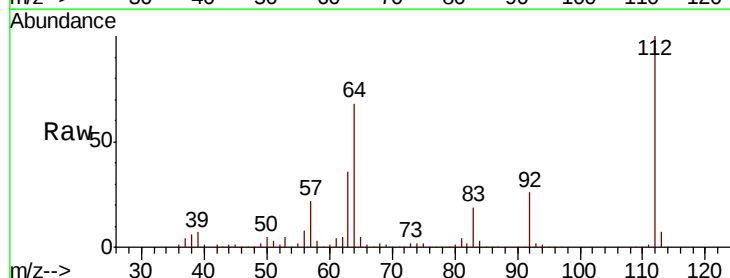
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.576 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	56.7	85.1
63	35.7	29.5	44.3

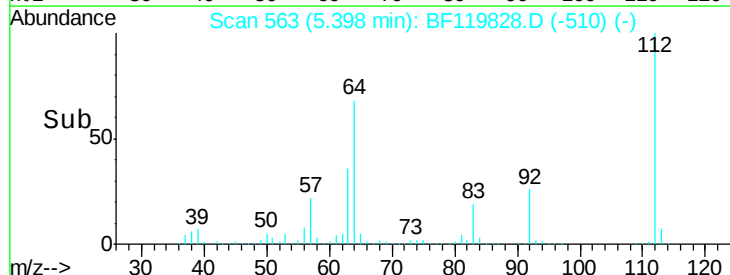
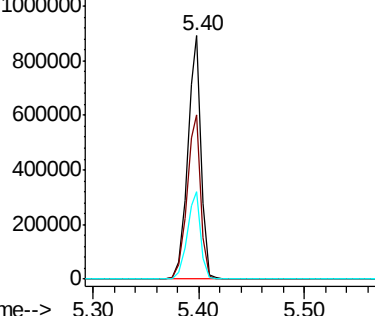


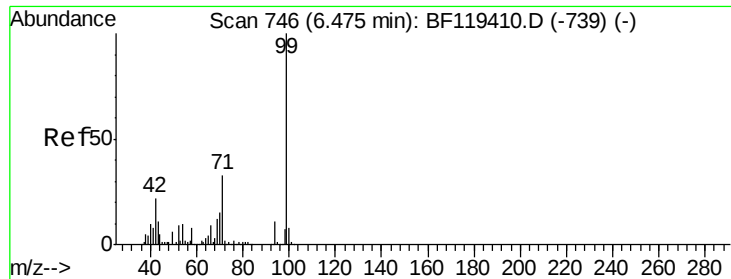
Abundance

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: 91.075 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF119828.D

Acq: 7 Apr 2020 17:57

Instrument :

BNA_F

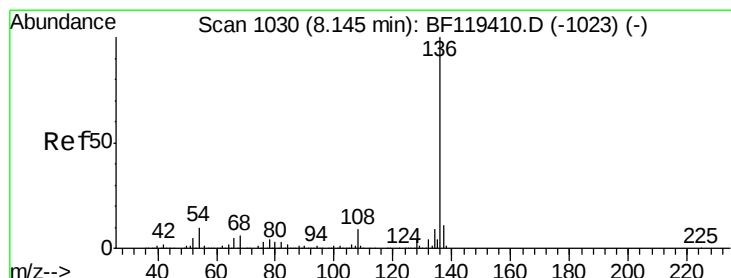
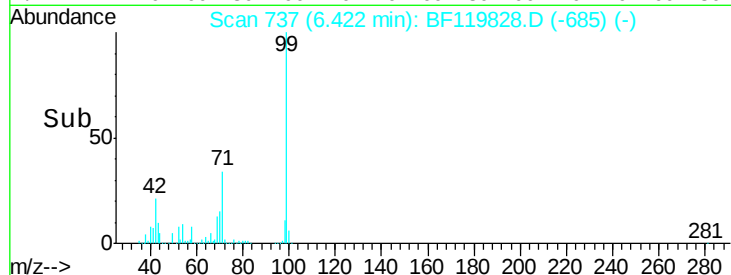
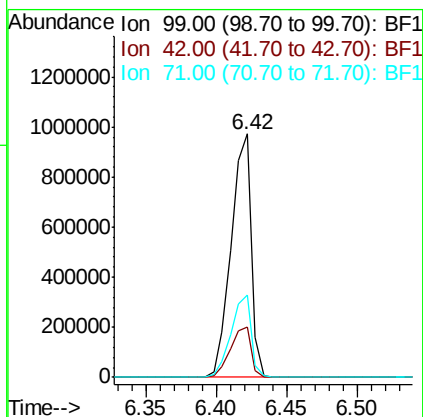
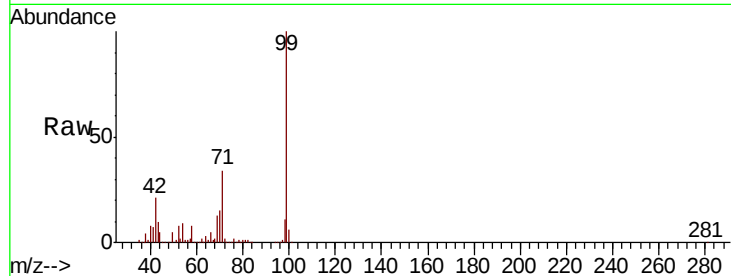
ClientSampleId :

TP-65-COMP

Tot Ion:	99	Resp:	965373
Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.6	24.8
71	33.6	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

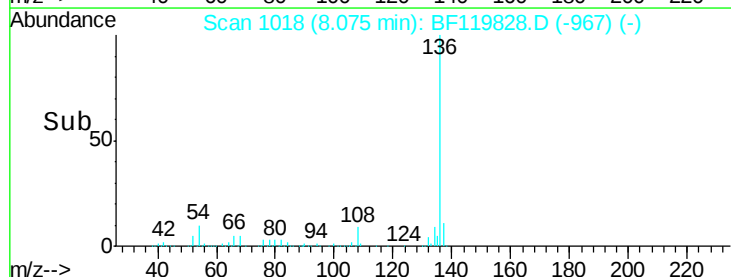
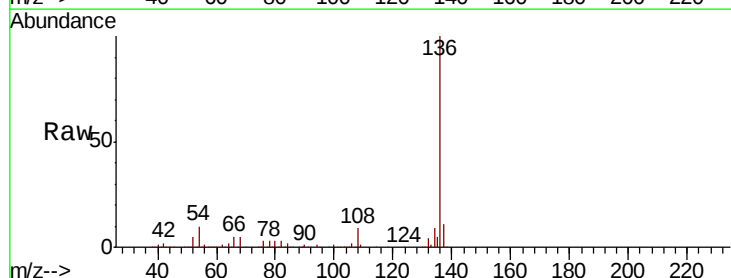
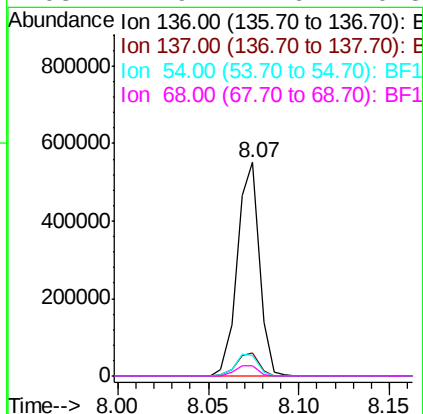
RT: 8.07 min Scan# 1018

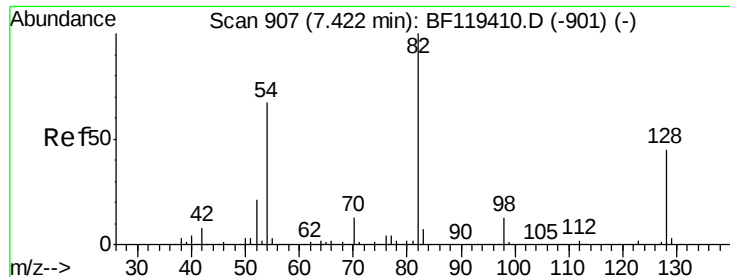
Delta R.T. -0.00 min

Lab File: BF119828.D

Acq: 7 Apr 2020 17:57

Tgt Ion:	136	Resp:	466766
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	9.6	9.1	13.7
68	4.9	4.6	6.8





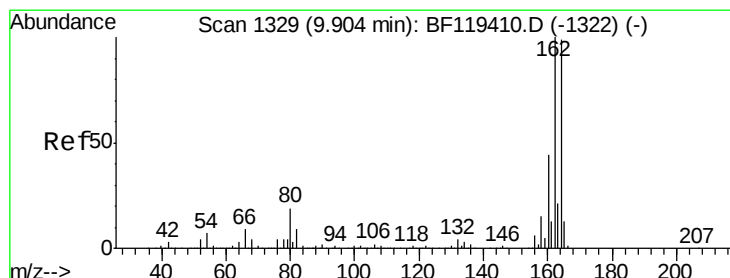
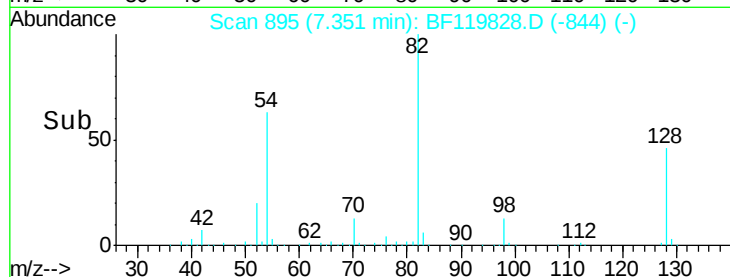
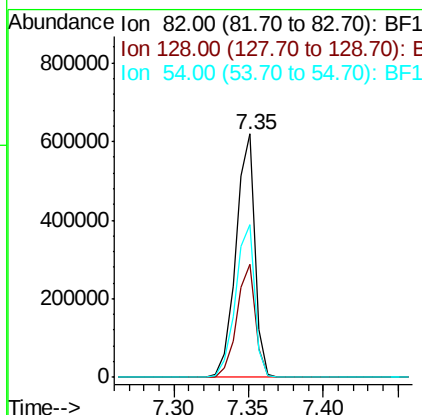
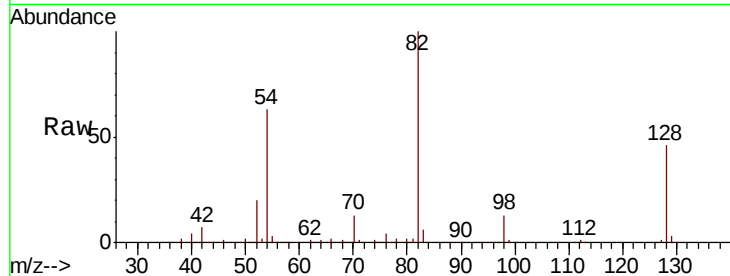
#23
Nitrobenzene-d5
Concen: 64.462 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.00 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Instrument :
BNA_F
ClientSampleId :
TP-65-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.3	54.5
54	62.8	50.6	75.8

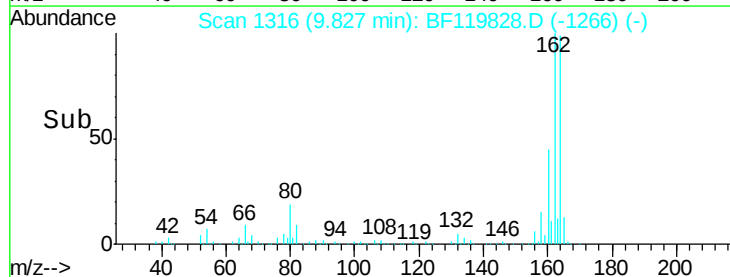
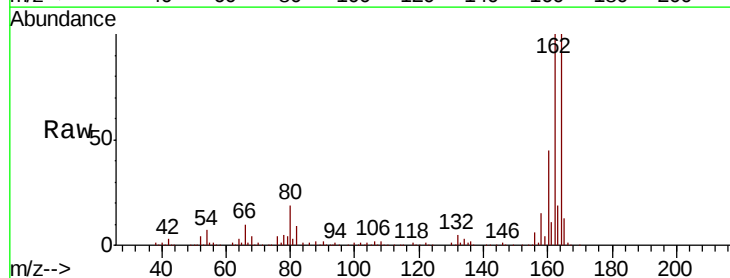
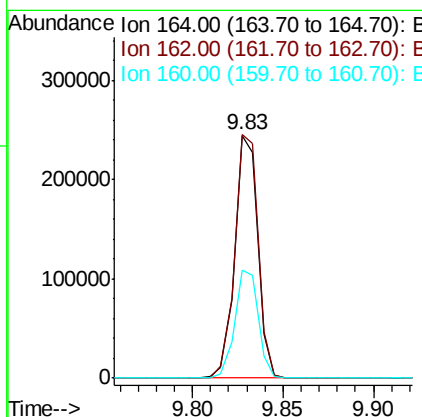
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.7	35.7	53.5





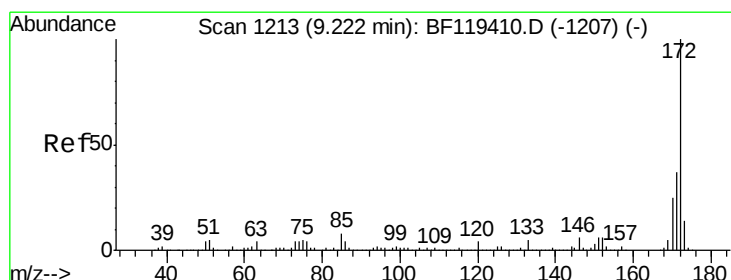
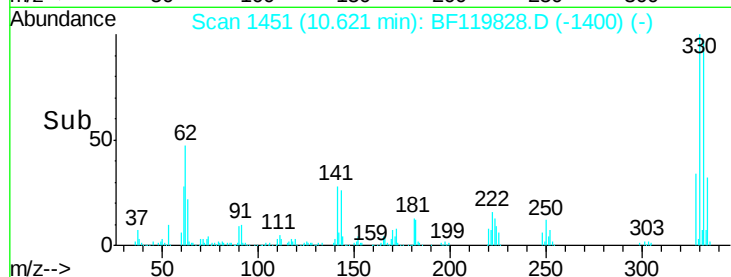
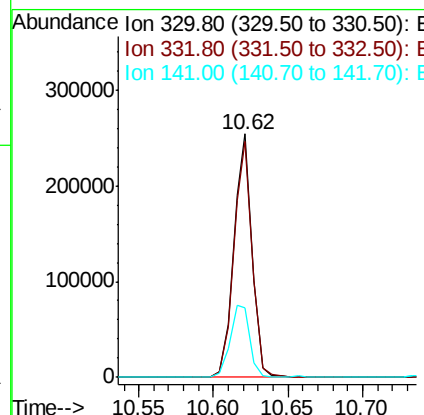
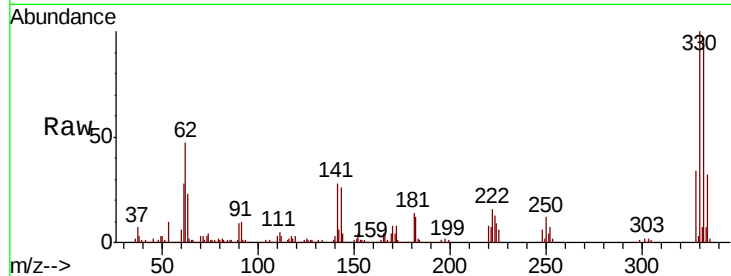
#42
 2,4,6-Tribromophenol
 Concen: 98.525 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF119828.D
 Acq: 7 Apr 2020 17:57

Instrument :
 BNA_F
 ClientSampleId :
 TP-65-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	219599		
332	97.8		75.7	113.5
141	32.2		25.4	38.0

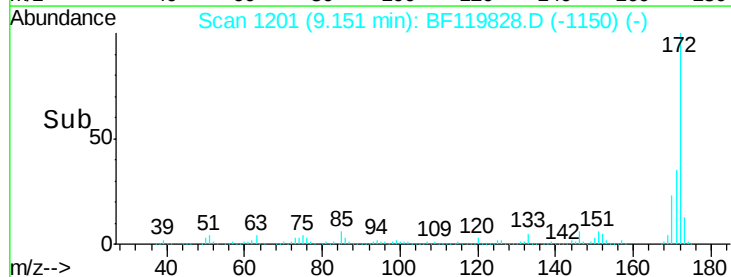
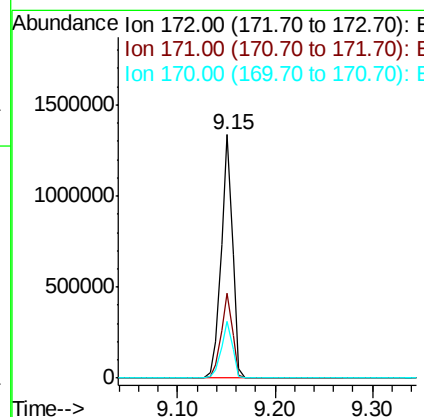
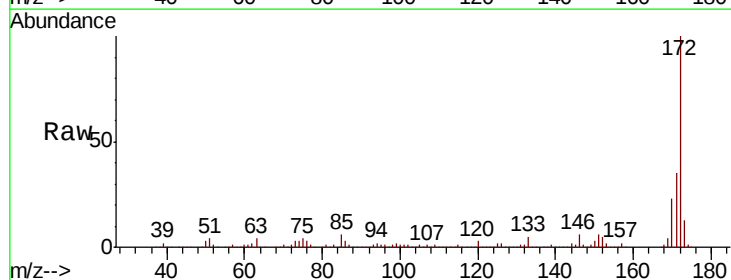
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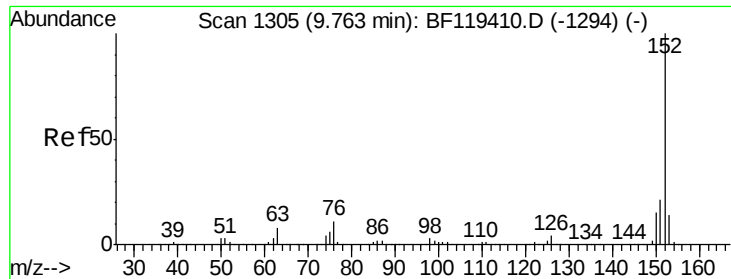
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#45
 2-Fluorobiphenyl
 Concen: 73.756 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF119828.D
 Acq: 7 Apr 2020 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1075604		
171	35.1		29.6	44.4
170	23.4		20.2	30.2





#49

Acenaphthylene

Concen: 10.893 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF119828.D

Acq: 7 Apr 2020 17:57

Instrument :

BNA_F

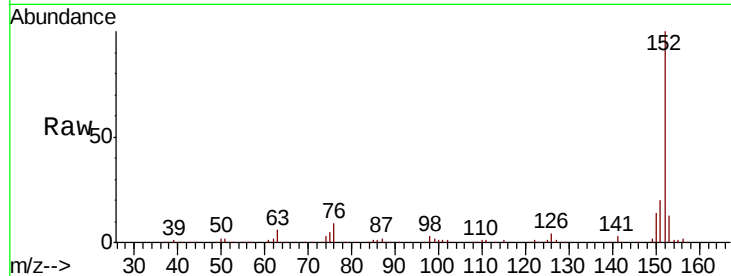
ClientSampleId :

TP-65-COMP

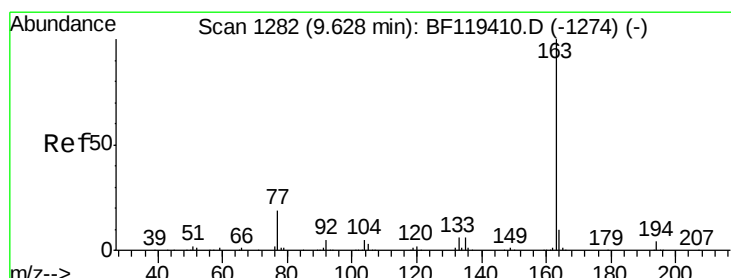
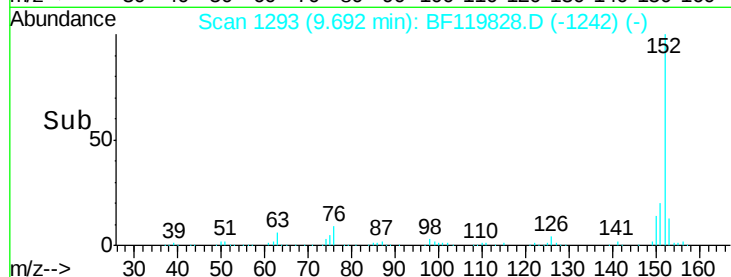
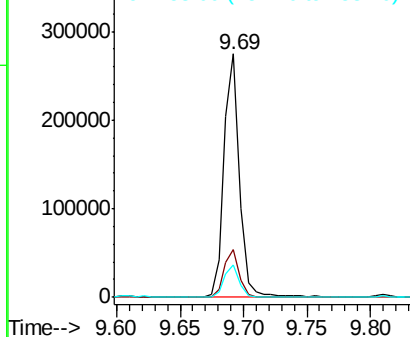
Tot Ion:	152	Resp:	235762
Ion Ratio	Lower	Upper	
152	100		
151	19.7	17.2	25.8
153	13.3	11.2	16.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 10.823 ng

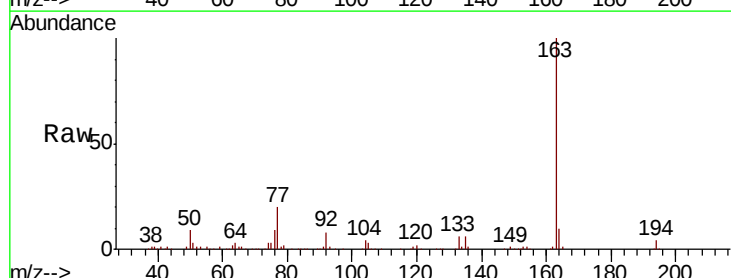
RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

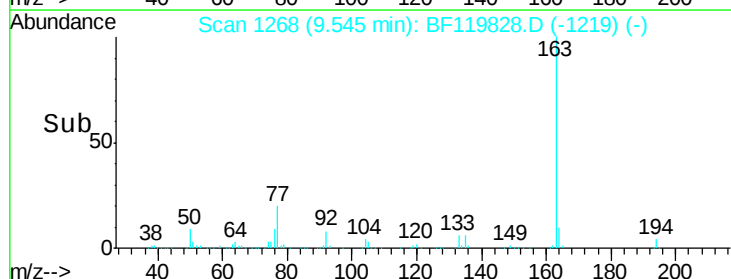
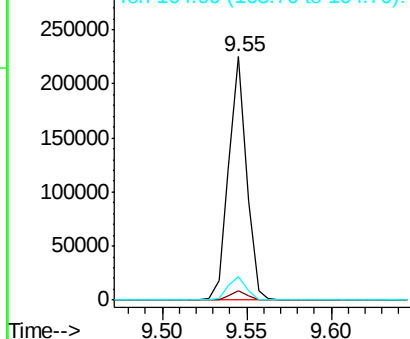
Lab File: BF119828.D

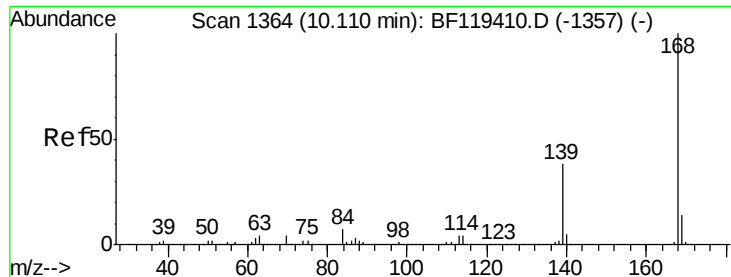
Acq: 7 Apr 2020 17:57

Tgt Ion:	163	Resp:	166090
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.1	4.7
164	9.5	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





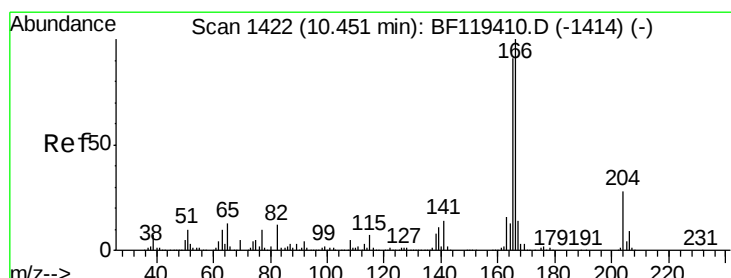
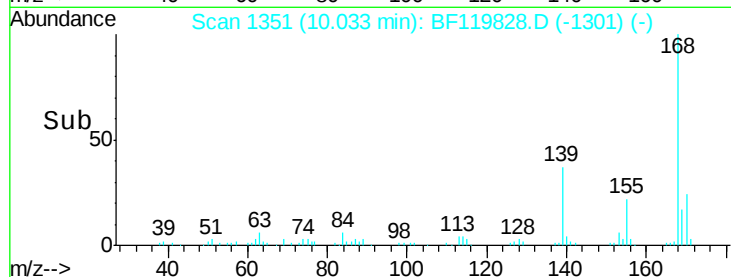
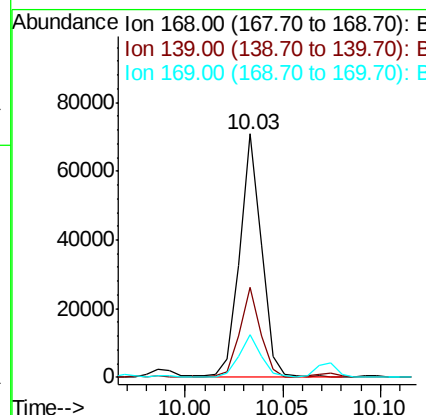
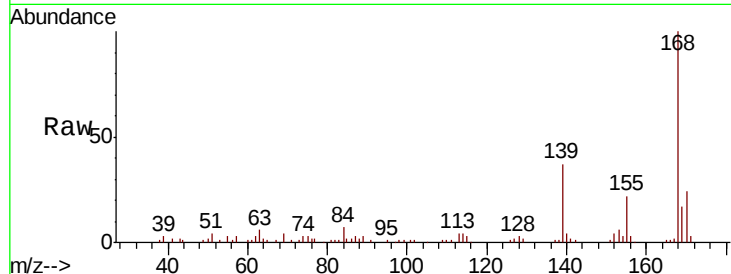
#55
Dibenzenofuran
Concen: 2.840 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Instrument :
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ClientSampleId :
TP-65-COMP

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.1	45.1
169	17.3	11.0	16.6

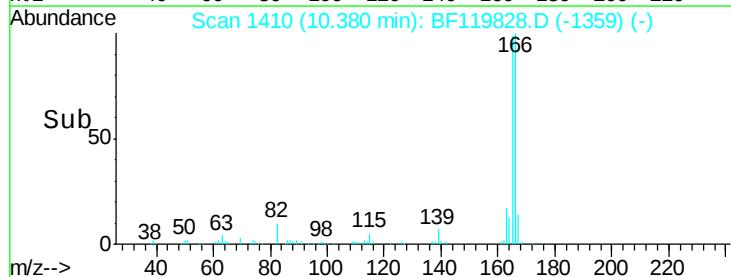
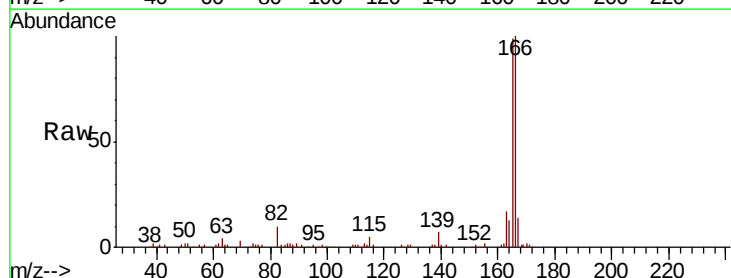
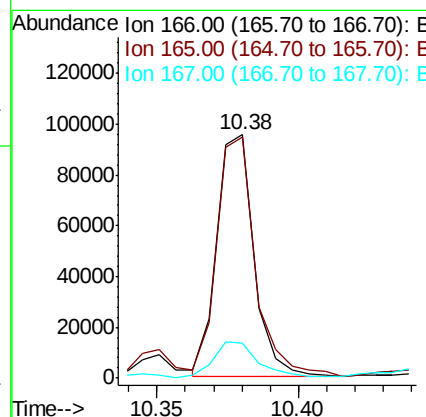
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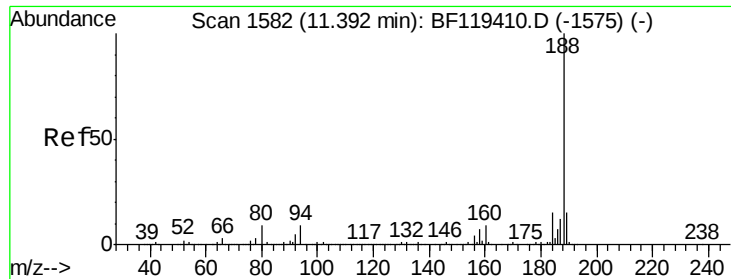
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#58
Fluorene
Concen: 6.096 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	75.4	113.2
167	14.2	11.2	16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF119828.D

Acq: 7 Apr 2020 17:57

Instrument :

BNA_F

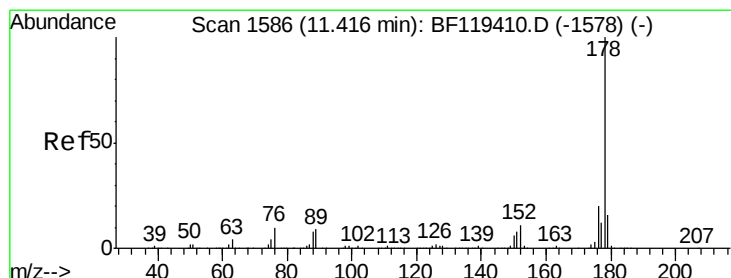
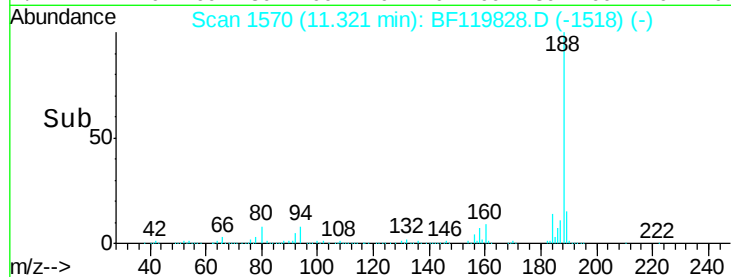
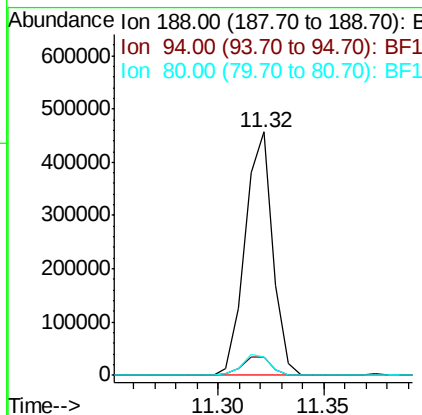
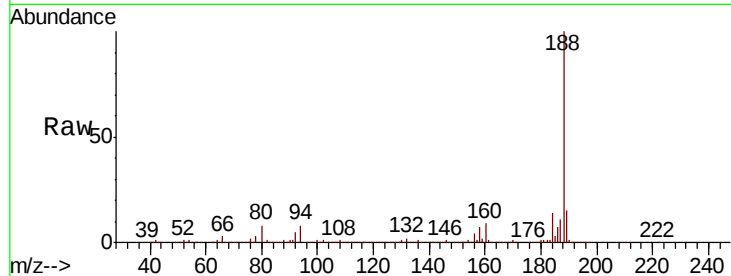
ClientSampleId :

TP-65-COMP

Tot Ion:	188	Resp:	413905
Ion Ratio	Lower	Upper	
188	100		
94	7.6	7.5	11.3
80	7.6	9.0	13.4#

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#71

Phenanthrene

Concen: 54.928 ng

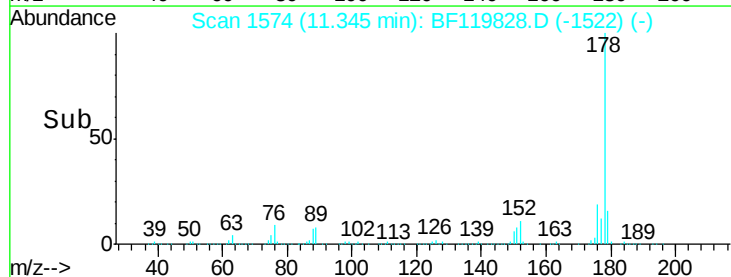
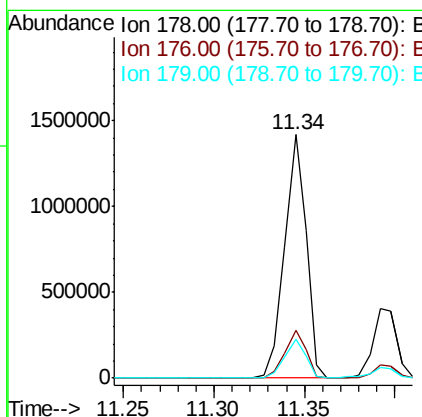
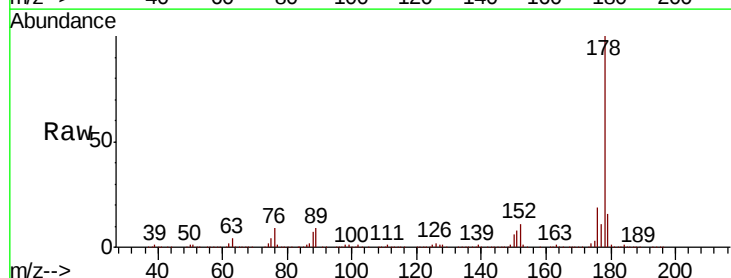
RT: 11.34 min Scan# 1574

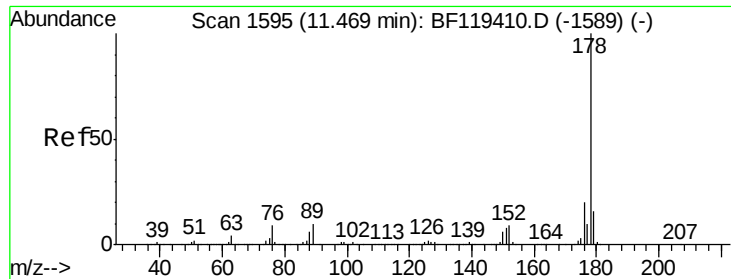
Delta R.T. 0.01 min

Lab File: BF119828.D

Acq: 7 Apr 2020 17:57

Tgt Ion:	178	Resp:	1178865
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.2	24.4
179	16.1	13.2	19.8





#72

Anthracene

Concen: 16.585 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF119828.D

Acq: 7 Apr 2020 17:57

Instrument :

BNA_F

ClientSampleId :

TP-65-COMP

Tot Ion:178 Resp: 361770

Ion Ratio Lower Upper

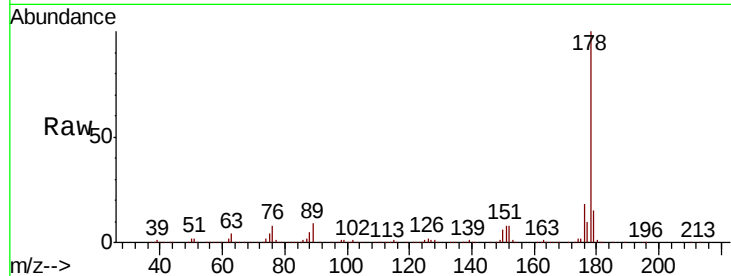
178 100

176 18.3 16.1 24.1

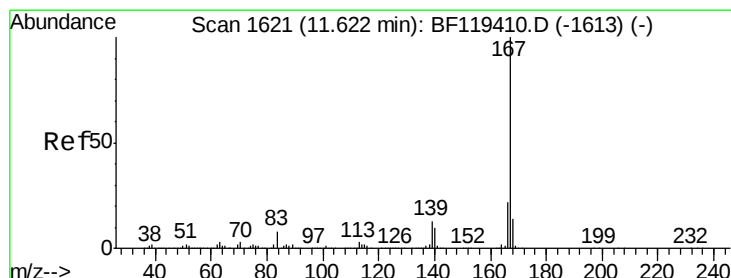
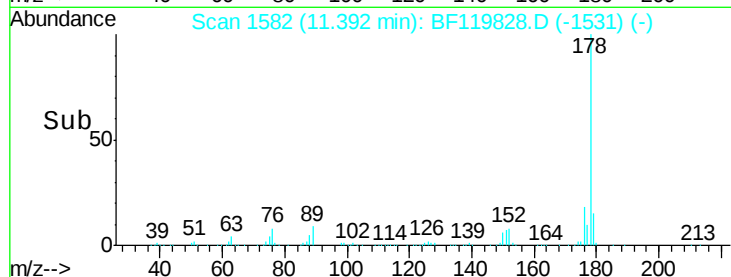
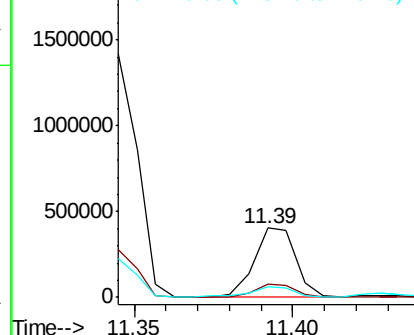
179 15.3 13.0 19.4

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mohammad
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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: 2.872 ng

RT: 11.55 min Scan# 1609

Delta R.T. 0.01 min

Lab File: BF119828.D

Acq: 7 Apr 2020 17:57

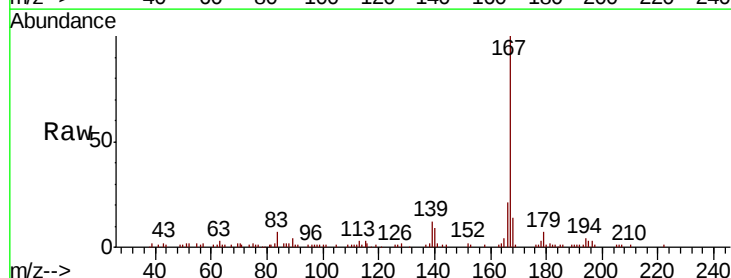
Tgt Ion:167 Resp: 62017

Ion Ratio Lower Upper

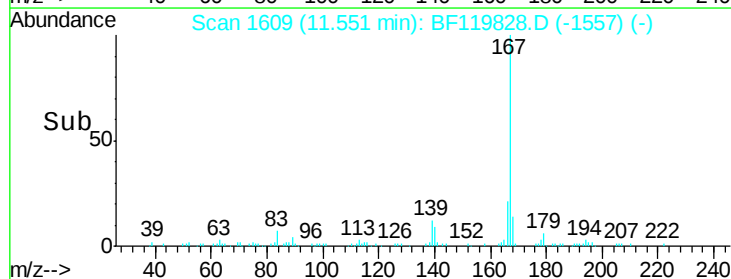
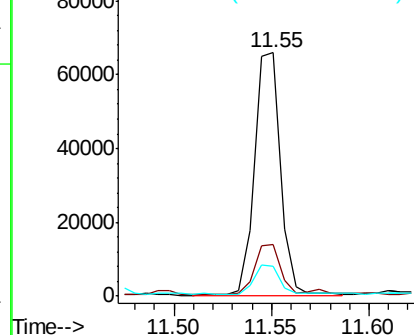
167 100

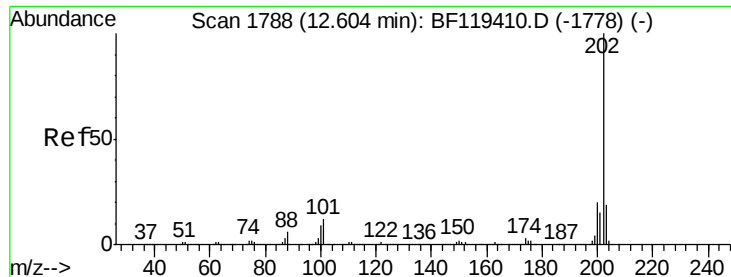
166 21.1 18.2 27.4

139 12.4 10.7 16.1



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: 89.517 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.02 min

Lab File: BF119828.D

Acq: 7 Apr 2020 17:57

Instrument :

BNA_F

ClientSampled :

TP-65-COMP

Tot Ion:202 Resp: 2079207

Ion Ratio Lower Upper

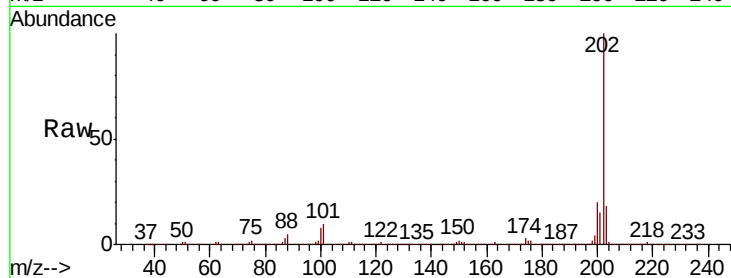
202 100

101 10.4 0.0 32.2

203 17.9 0.0 38.8

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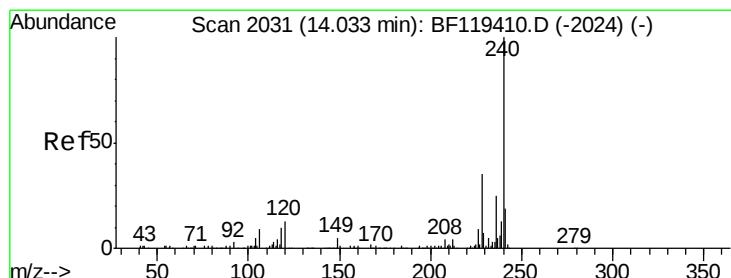
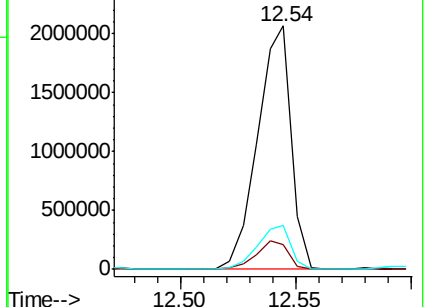
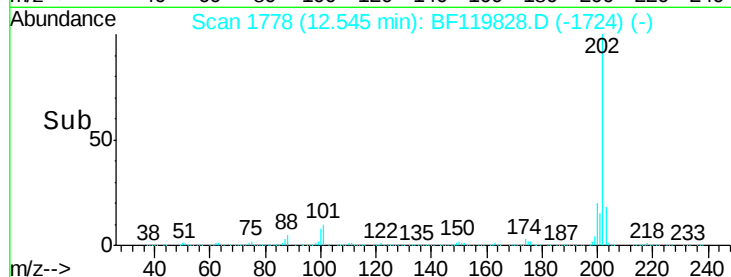
mohammad
4/8/2020 8:13:30 AM



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: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF119828.D

Acq: 7 Apr 2020 17:57

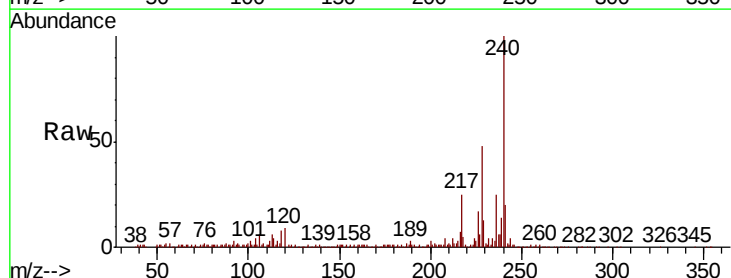
Tgt Ion:240 Resp: 267927

Ion Ratio Lower Upper

240 100

120 9.2 10.6 15.8#

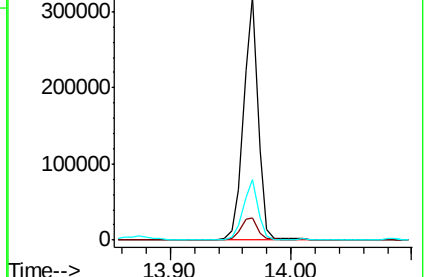
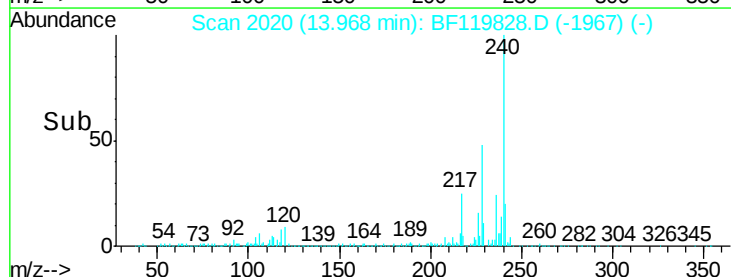
236 25.1 20.2 30.2

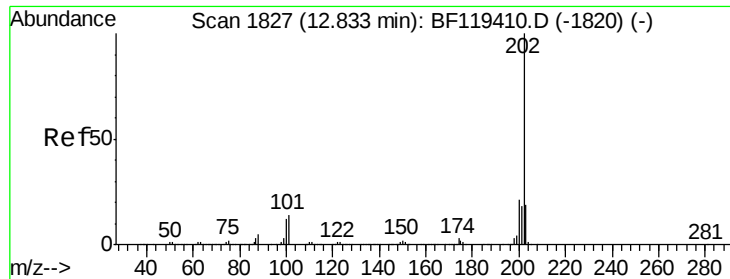


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





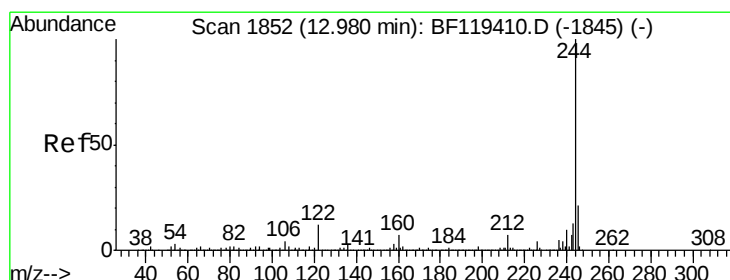
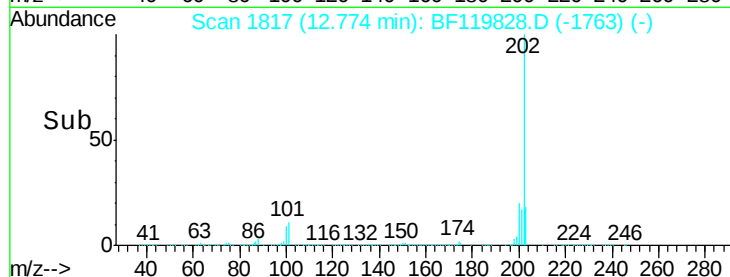
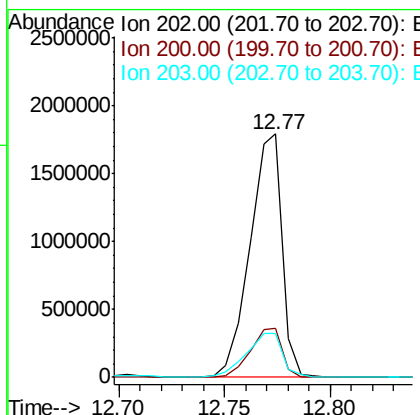
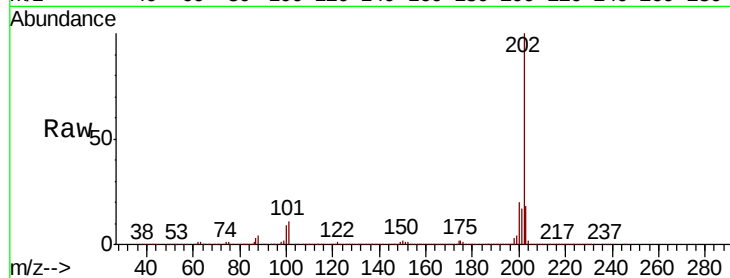
#78
Pvrene
Concen: 85.615 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Instrument :
BNA_F
ClientSampleId :
TP-65-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.8	25.2
203	17.9	15.1	22.7

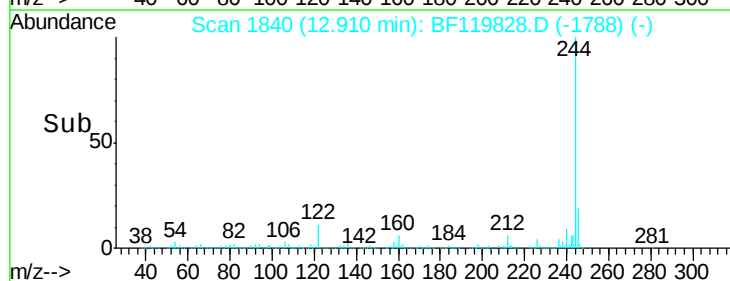
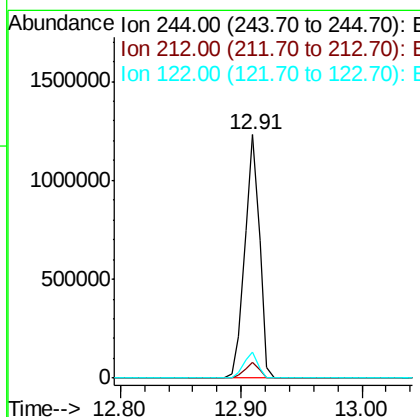
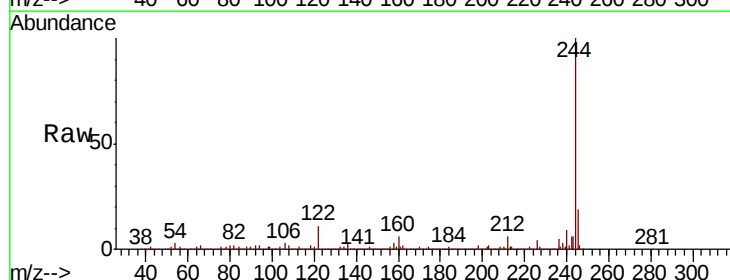
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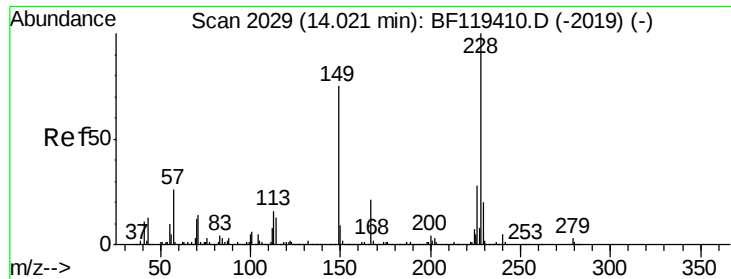
mohammad
4/8/2020 8:13:30 AM



#79
Terphenyl-d14
Concen: 76.717 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	10.8	10.3	15.5





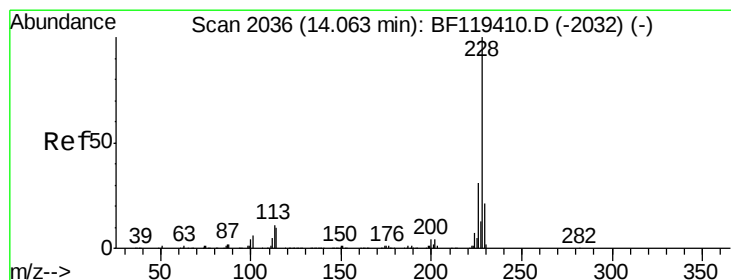
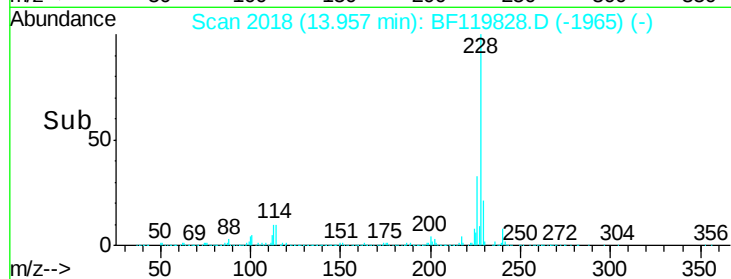
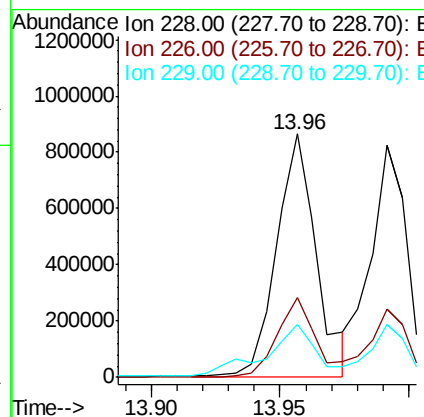
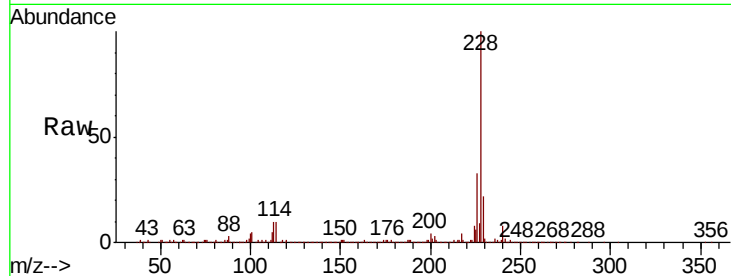
#81
Benzo(a)anthracene
Concen: 53.148 ng m
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Instrument :
BNA_F
ClientSampleId :
TP-65-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	21.8	32.8#
229	21.6	16.2	24.4

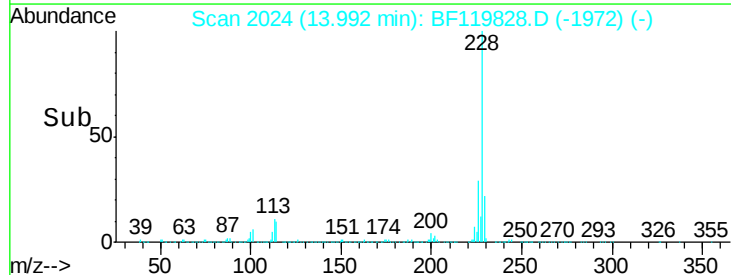
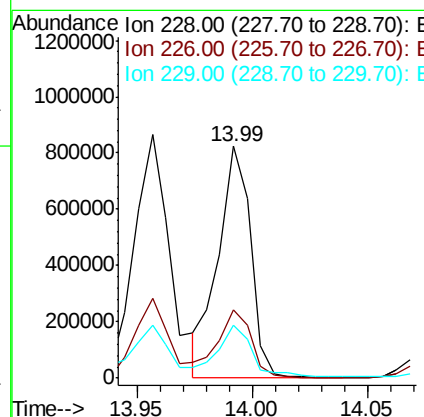
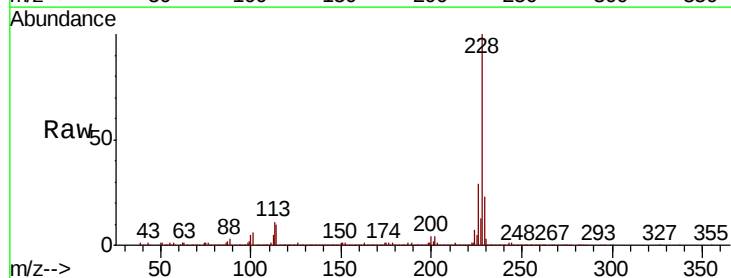
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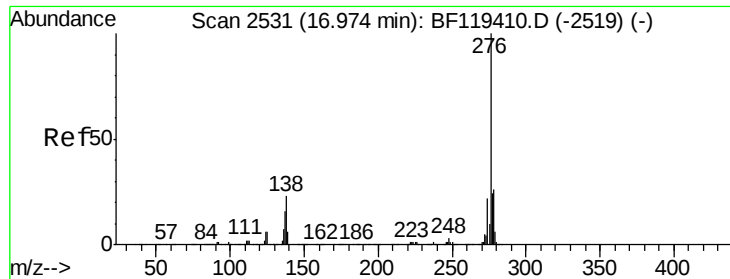
mohammad
4/8/2020 8:13:30 AM



#83
Chrysene
Concen: 44.269 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.4	38.0
229	22.7	16.6	24.8





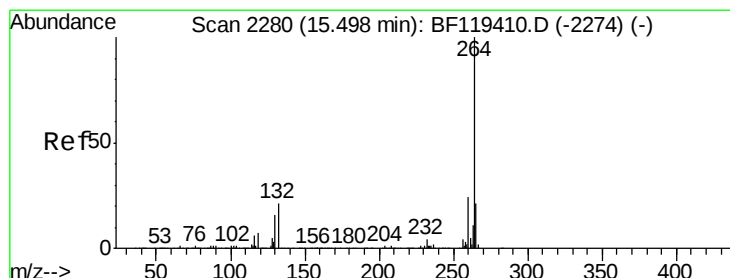
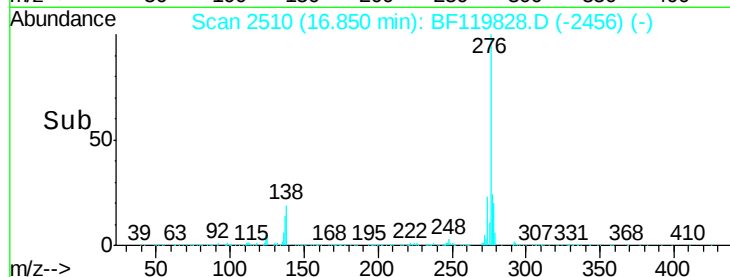
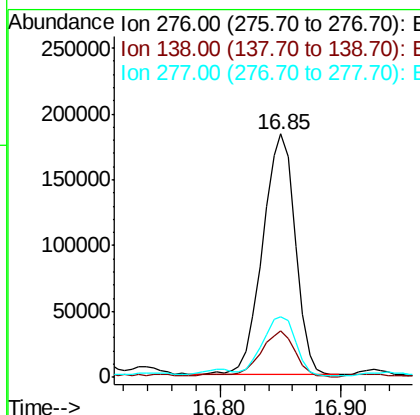
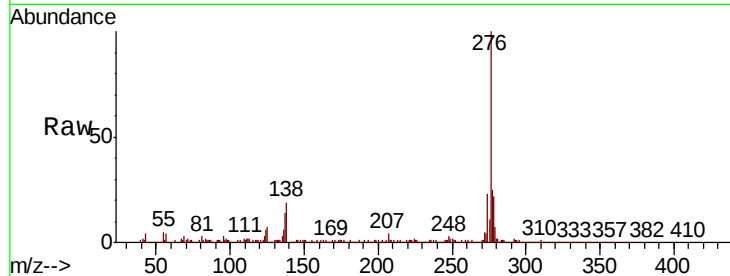
#86
Indeno(1,2,3-cd)pyrene
Concen: 20.150 ng
RT: 16.85 min Scan# 2510
Delta R.T. 0.02 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Instrument :
BNA_F
ClientSampleId :
TP-65-COMP

Tot Ion:	276	Resp:	341238
Ion Ratio	Lower	Upper	
276	100		
138	20.0	19.6	29.4
277	25.0	20.0	30.0

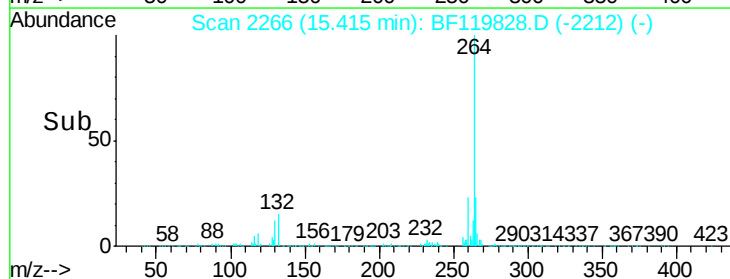
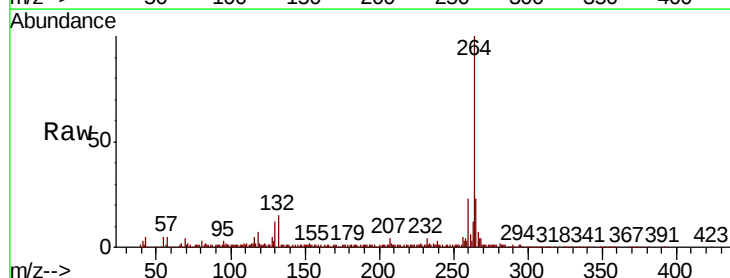
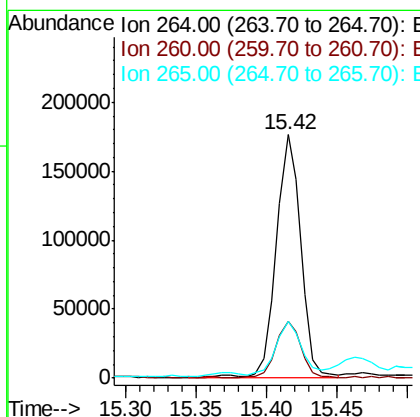
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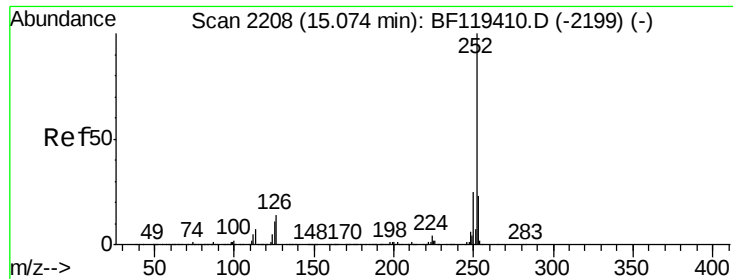
mohammad
4/8/2020 8:13:30 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.02 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Tgt Ion:	264	Resp:	212083
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.7	28.1
265	23.4	17.7	26.5





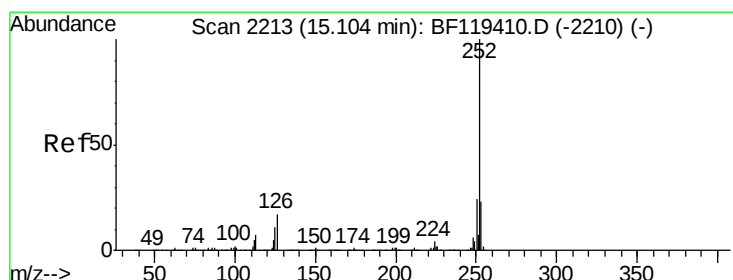
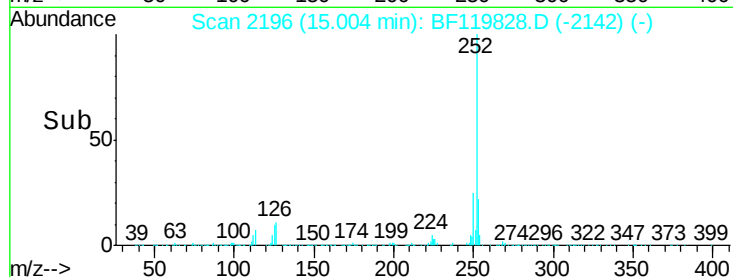
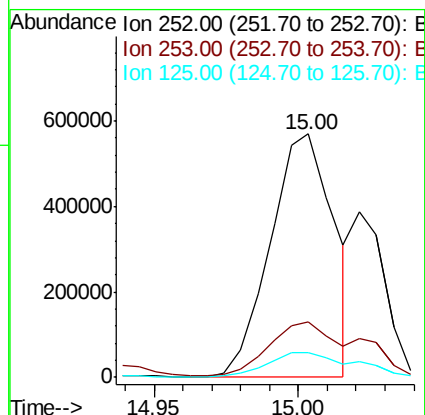
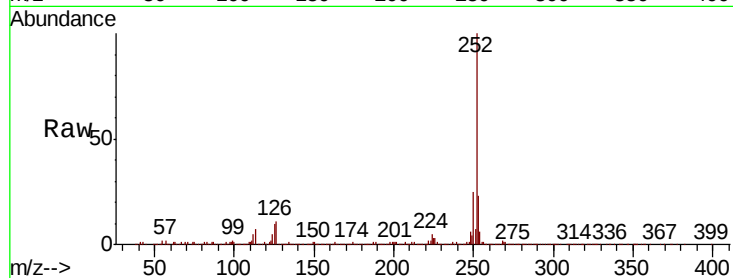
#88
Benzo(b)fluoranthene
Concen: 61.462 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.02 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Instrument :
BNA_F
ClientSampleId :
TP-65-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	10.2	7.9	11.9

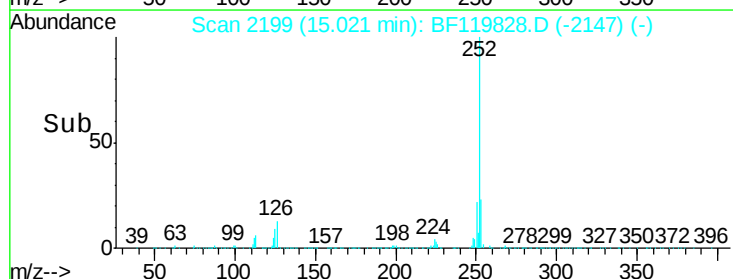
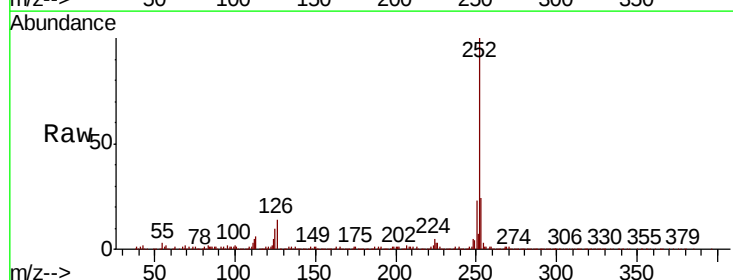
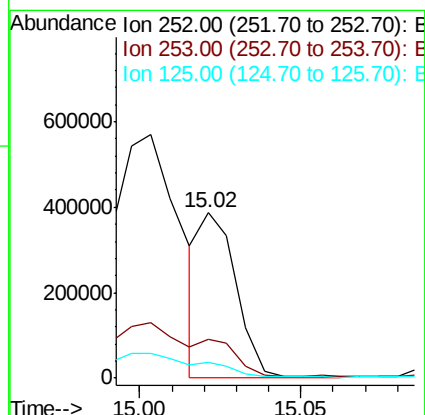
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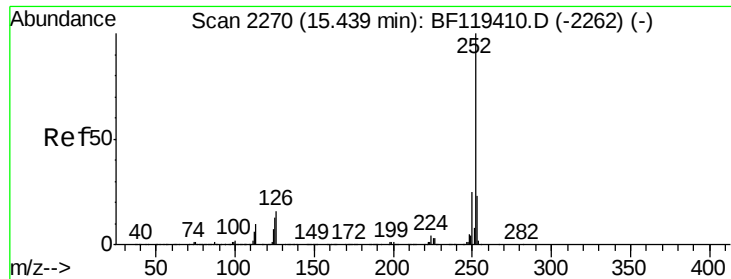
mohammad
4/8/2020 8:13:30 AM



#89
Benzo(k)fluoranthene
Concen: 22.423 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	9.7	8.4	12.6





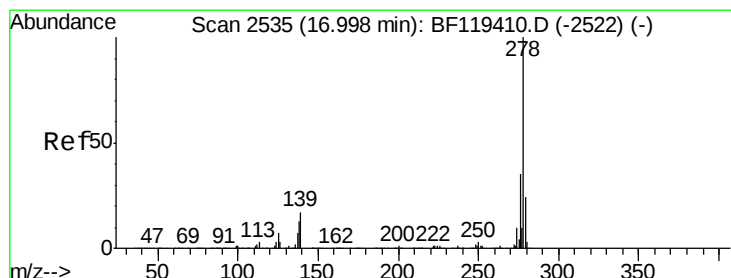
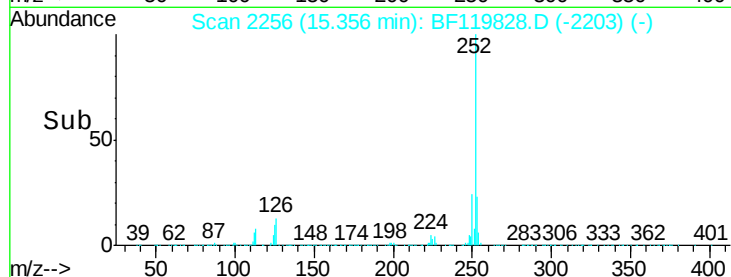
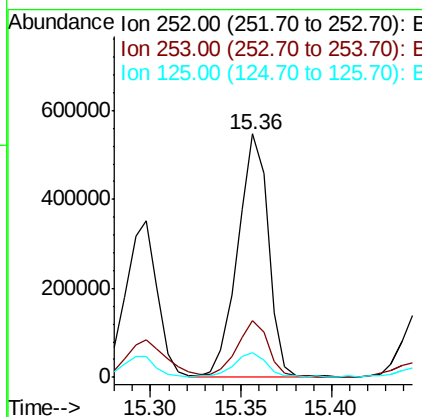
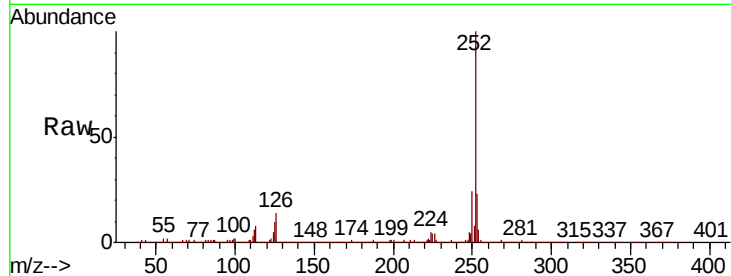
#90
Benzo(a)pyrene
Concen: 49.442 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Instrument :
BNA_F
ClientSampleId :
TP-65-COMP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	18.2	27.2
125	10.3	9.4	14.2

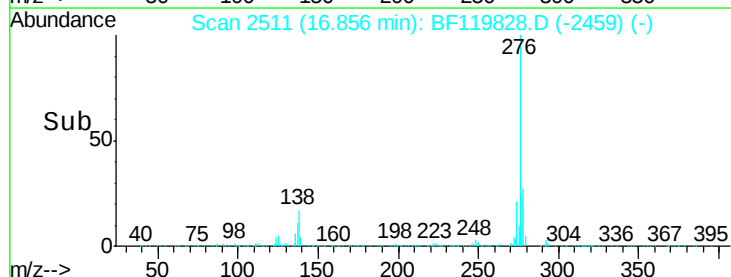
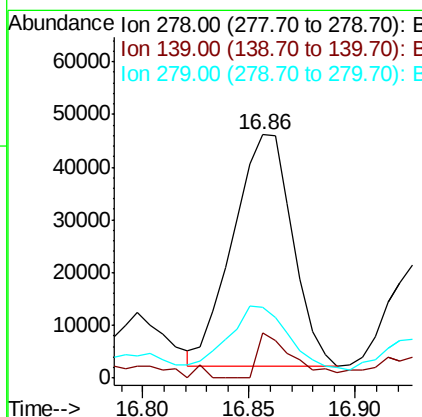
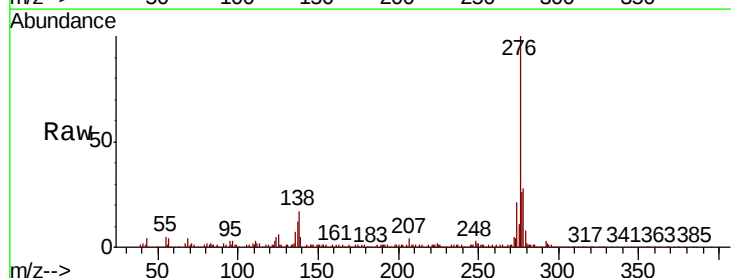
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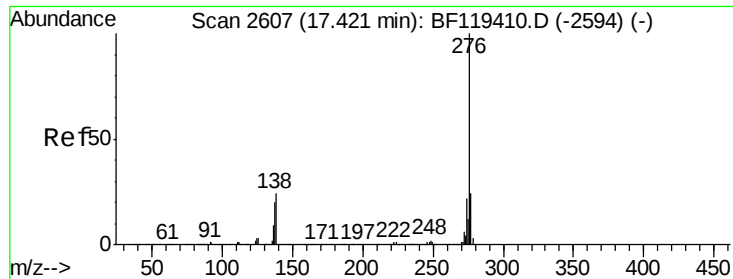
mohammad
4/8/2020 8:13:30 AM



#91
Dibenzo(a,h)anthracene
Concen: 7.625 ng m
RT: 16.86 min Scan# 2511
Delta R.T. 0.01 min
Lab File: BF119828.D
Acq: 7 Apr 2020 17:57

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	18.6	12.6	19.0
279	29.1	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 28.014 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. 0.02 min
 Lab File: BF119828.D
 Acq: 7 Apr 2020 17:57

Instrument :
 BNA_F
 ClientSampleId :
 TP-65-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.4	27.6
138	18.1	15.4	23.0

Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:13:30 AM

