

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119824.D
 Acq On : 7 Apr 2020 16:09
 Operator : MA/SJ
 Sample : L2129-11DL 5X
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7DL

Manual Integrations
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 4/8/2020 8:13:24 AM

Quant Time: Apr 07 16:49:42 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	161884	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	510175	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	234516	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	431712	20.00	ng	0.00
76) Chrysene-d12	13.97	240	249334	20.00	ng	0.01
87) Perylene-d12	15.42	264	191204	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	256824	25.26	ng	0.00
7) Phenol-d6	6.42	99	398886	30.71	ng	0.00
23) Nitrobenzene-d5	7.35	82	213817	22.78	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	79811	32.99	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	431981	27.29	ng	0.00
79) Terphenyl-d14	12.91	244	435198	34.20	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.69	152	66751	2.841	ng	99
50) Dimethylphthalate	9.55	163	55384	3.325	ng	99
52) Acenaphthene	9.86	154	74806	5.107	ng	99
55) Dibenzofuran	10.03	168	106671	5.080	ng	95
58) Fluorene	10.38	166	89084	5.737	ng	96
71) Phenanthrene	11.34	178	1273266	56.879	ng	99
72) Anthracene	11.39	178	251323	11.047	ng	100
73) Carbazole	11.55	167	173228	7.692	ng	97
75) Fluoranthene	12.54	202	1473702	60.831	ng	98
78) Pyrene	12.77	202	1236109	60.408	ng	98
81) Benzo(a)anthracene	13.96	228	501331	30.920	ng	97
83) Chrysene	13.99	228	429009	25.638	ng	95
86) Indeno(1,2,3-cd)pyrene	16.84	276	110124	6.988	ng	# 94
88) Benzo(b)fluoranthene	15.00	252	395564m	30.970	ng	
89) Benzo(k)fluoranthene	15.02	252	113536m	9.335	ng	
90) Benzo(a)pyrene	15.35	252	234480	20.201	ng	99
91) Dibenzo(a,h)anthracene	16.86	278	38986m	3.840	ng	
92) Benzo(g,h,i)perylene	17.27	276	94637	9.279	ng	97

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

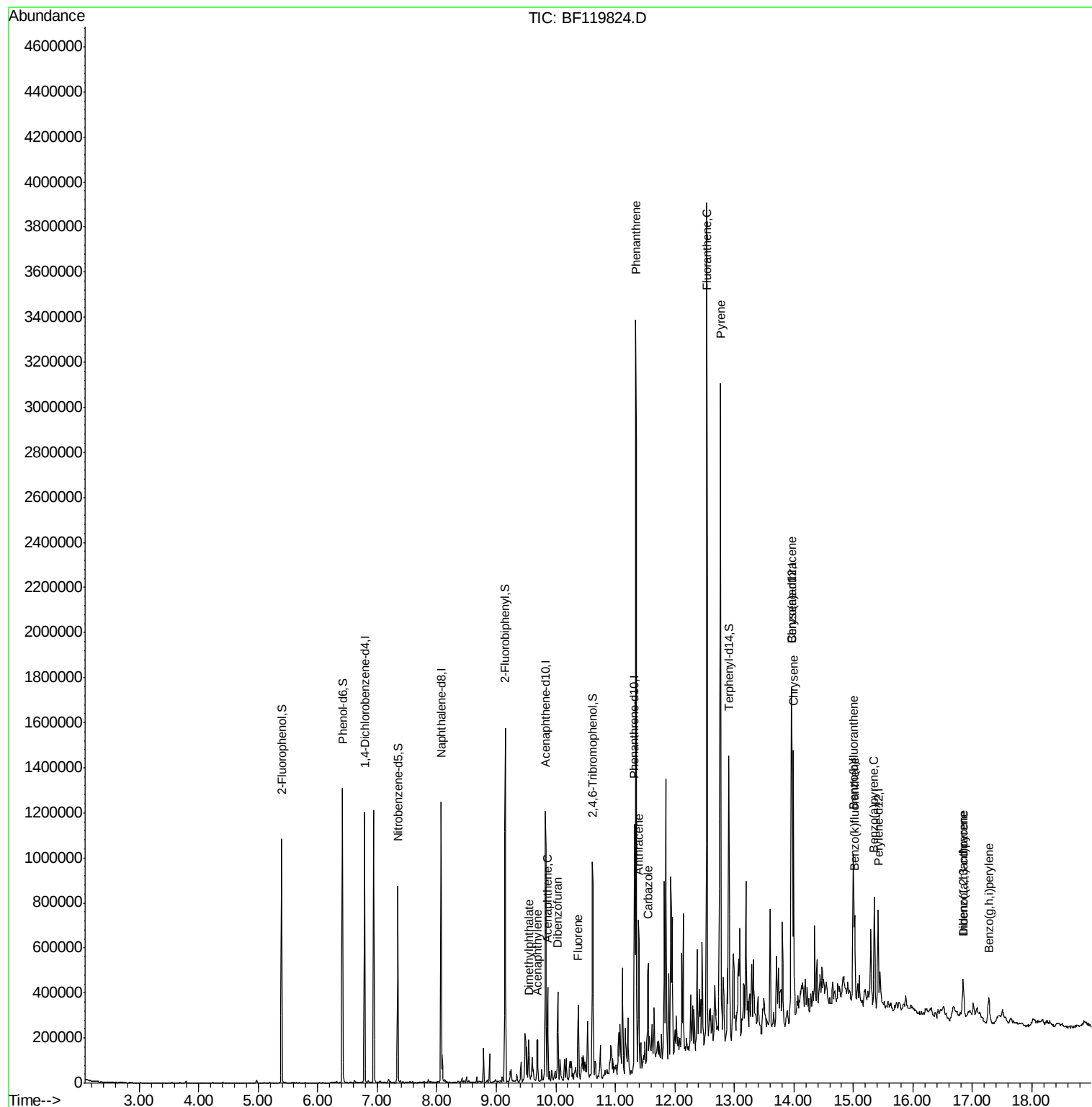
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
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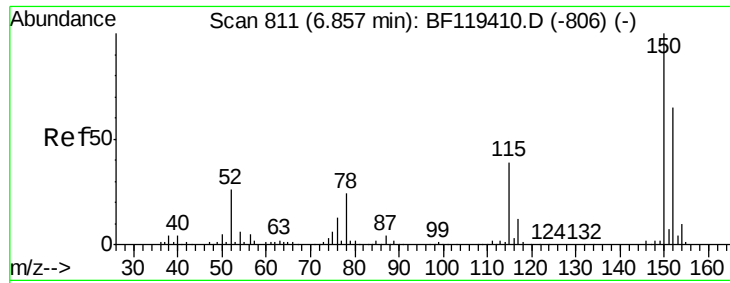
Instrument :
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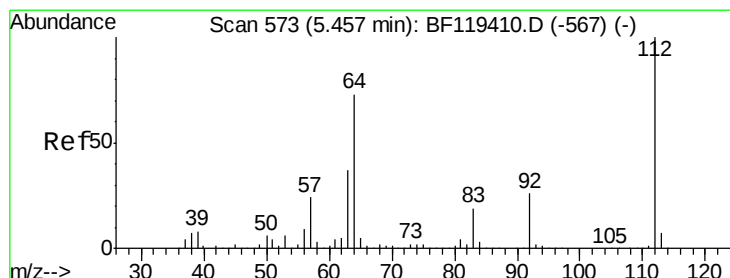
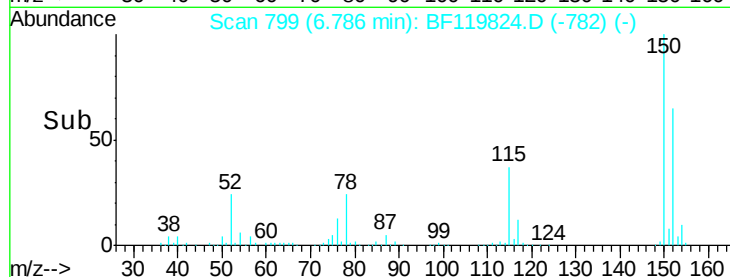
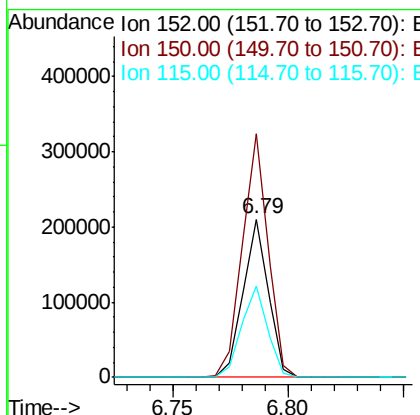
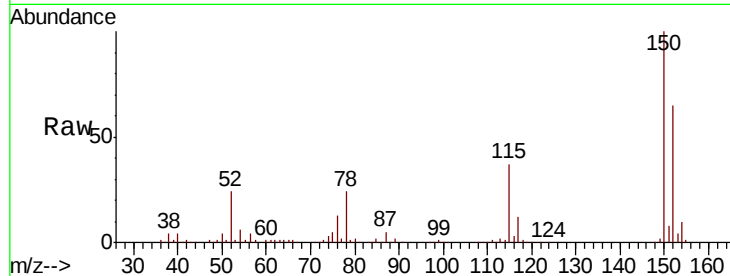
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-7DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.5	186.7
115	57.6	49.6	74.4

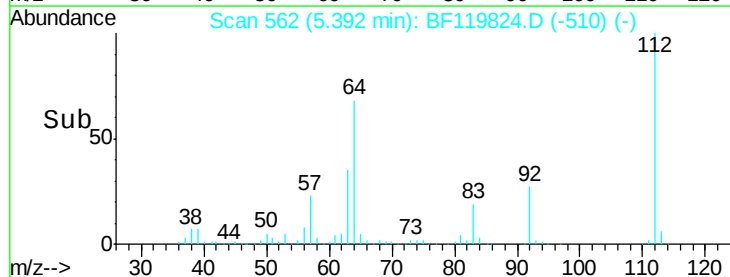
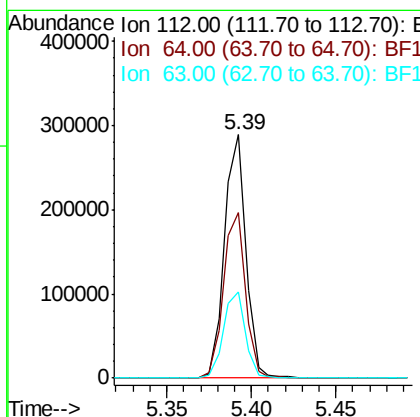
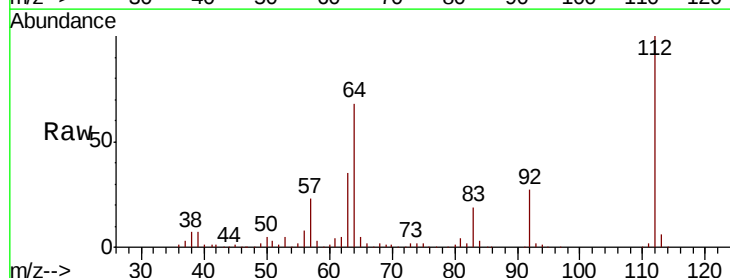
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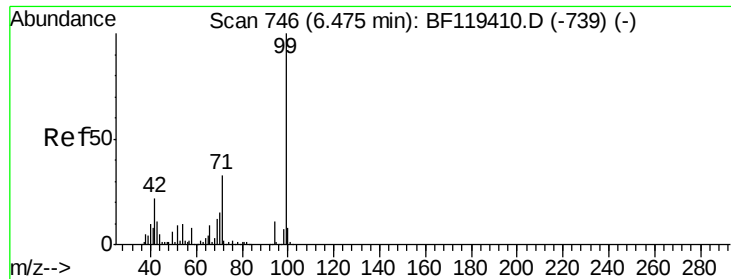
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#5
 2-Fluorophenol
 Concen: 25.255 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	56.7	85.1
63	35.4	29.5	44.3





#7

Phenol-d6

Concen: 30.706 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF119824.D

Acq: 7 Apr 2020 16:09

Instrument :

BNA_F

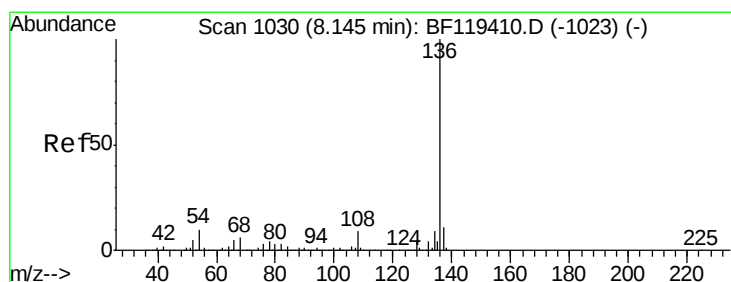
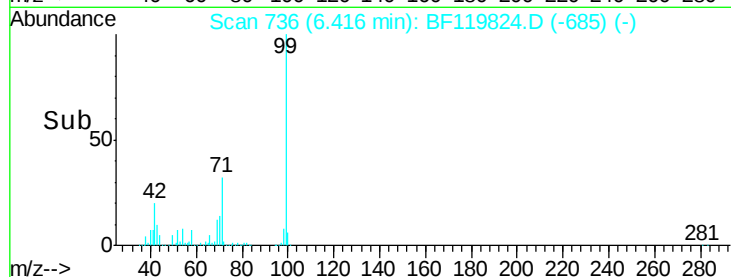
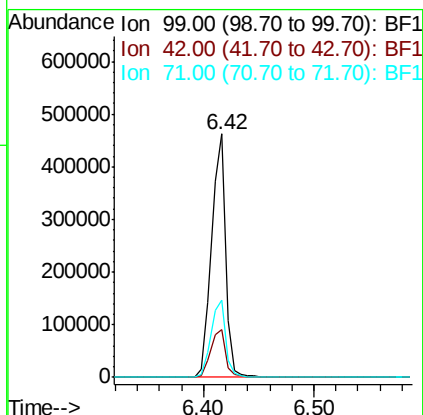
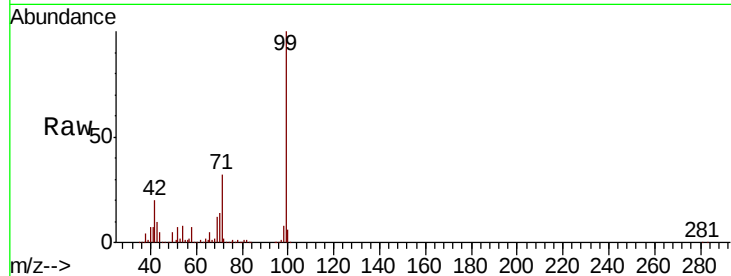
ClientSampleId :

TP-7DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		398886		
42	19.6	16.6	24.8		
71	31.6	26.4	39.6		

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#21

Naphthalene-d8

Concen: 20.000 ng

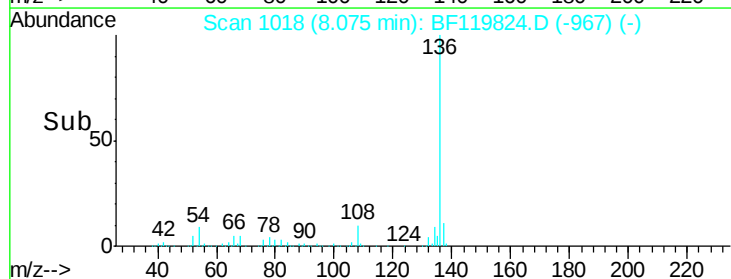
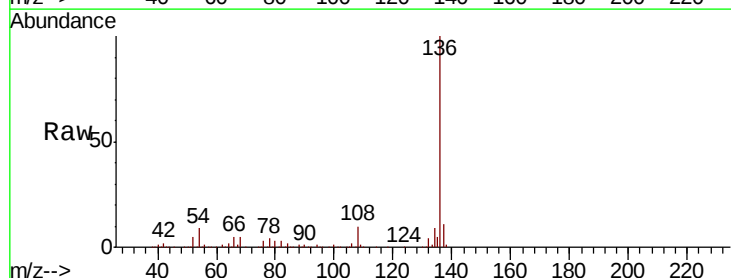
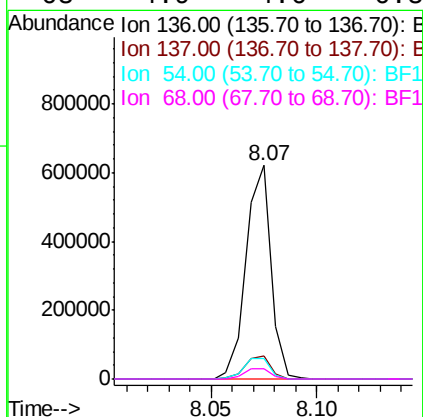
RT: 8.07 min Scan# 1018

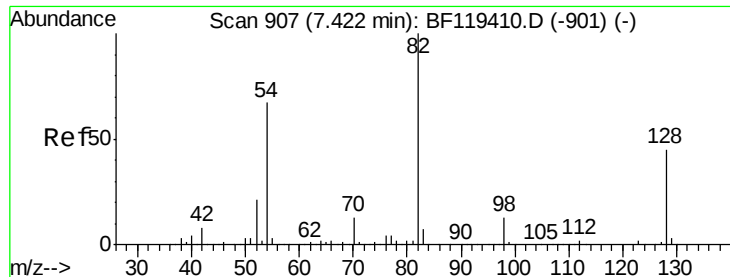
Delta R.T. -0.00 min

Lab File: BF119824.D

Acq: 7 Apr 2020 16:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		510175		
137	11.1	8.7	13.1		
54	9.3	9.1	13.7		
68	4.9	4.6	6.8		





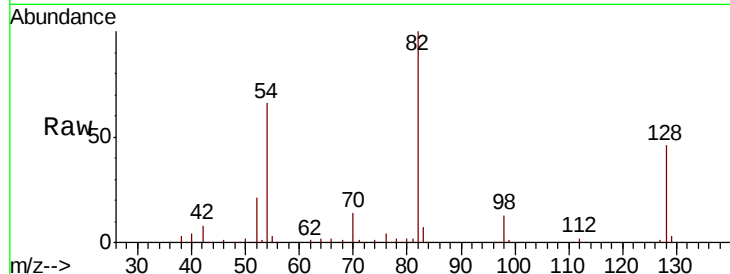
#23
Nitrobenzene-d5
Concen: 22.777 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Instrument :
BNA_F
ClientSampled :
TP-7DL

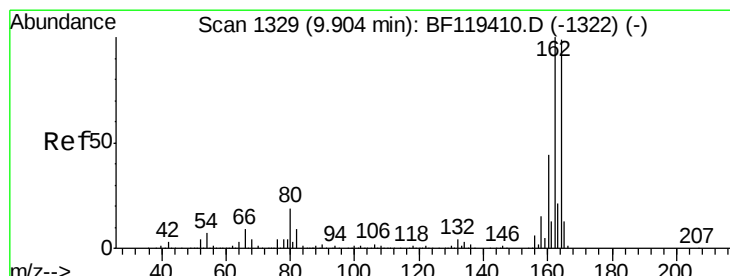
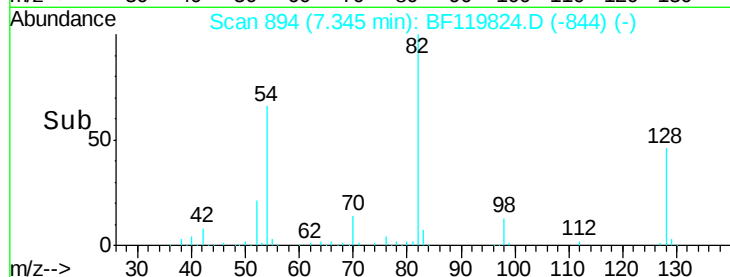
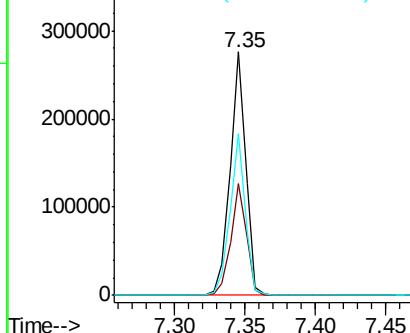
Tot Ion	82	Resp	213817
Ion Ratio	100	Lower	Upper
128	45.8	36.3	54.5
54	66.3	50.6	75.8

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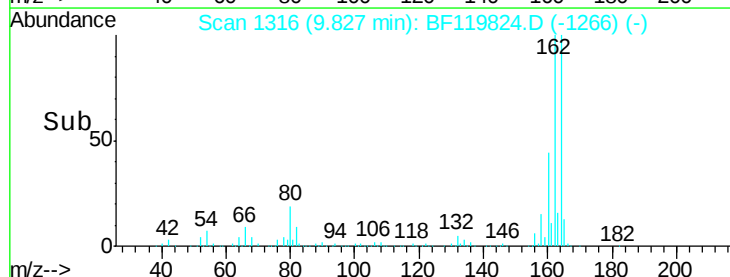
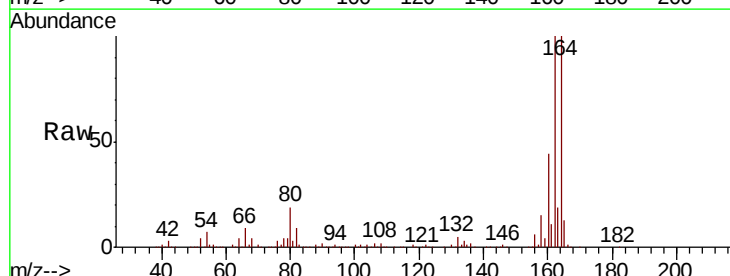
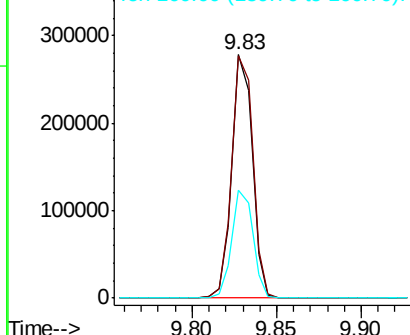
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

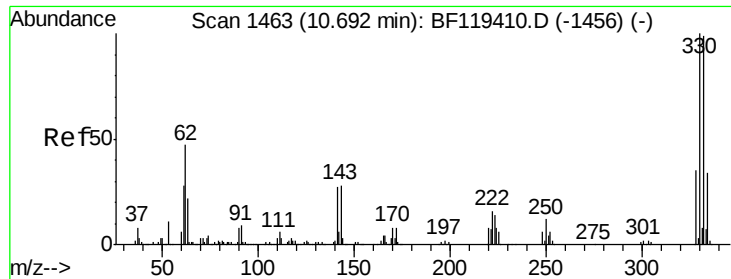


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Tgt Ion	164	Resp	234516
Ion Ratio	100	Lower	Upper
162	99.7	80.6	121.0
160	44.2	35.7	53.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





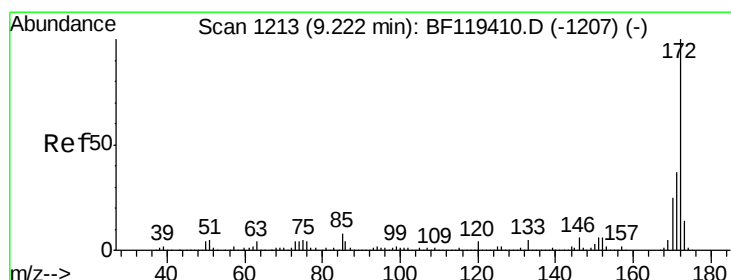
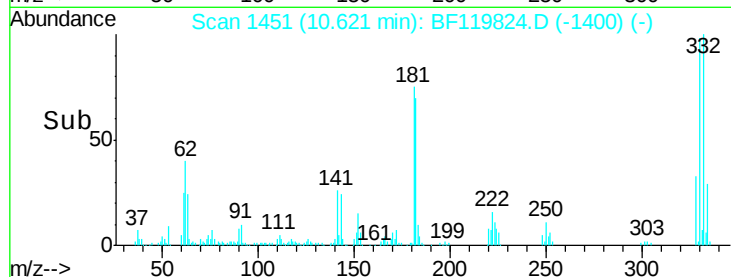
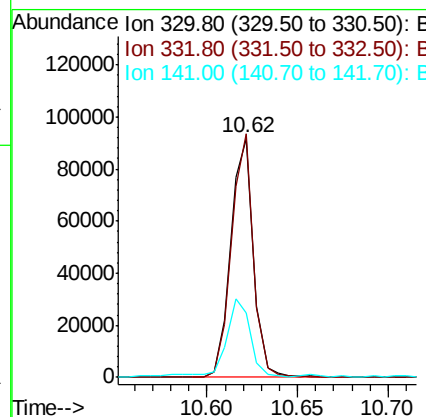
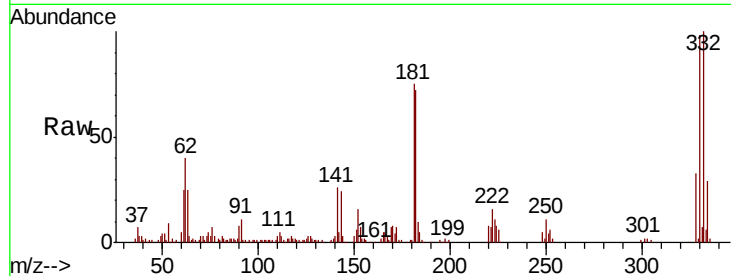
#42
 2,4,6-Tribromophenol
 Concen: 32.988 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Instrument :
 BNA_F
 ClientSampled :
 TP-7DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	75.7	113.5
141	36.5	25.4	38.0

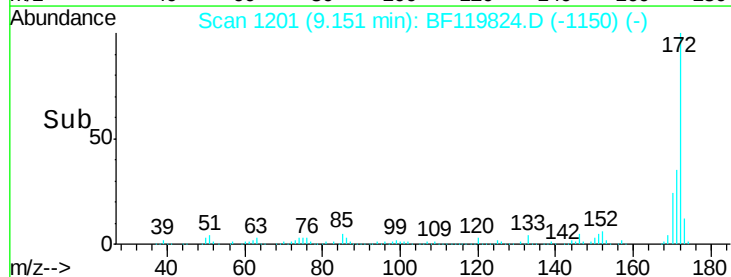
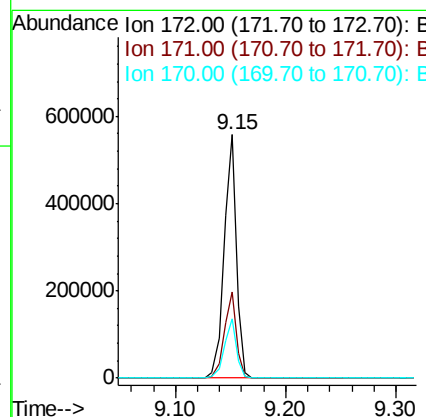
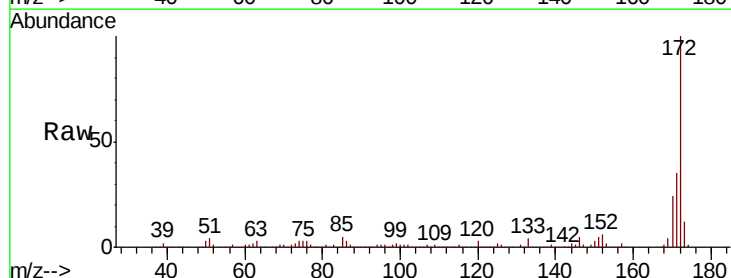
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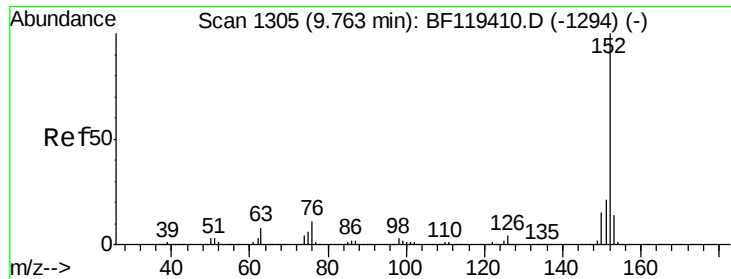
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#45
 2-Fluorobiphenyl
 Concen: 27.289 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	24.1	20.2	30.2





#49

Acenaphthylene

Concen: 2.841 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF119824.D

Acq: 7 Apr 2020 16:09

Instrument :

BNA_F

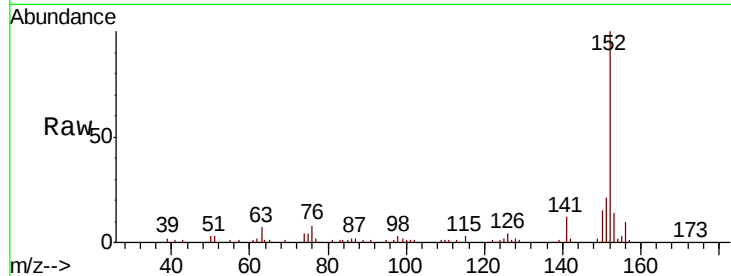
ClientSampleId :

TP-7DL

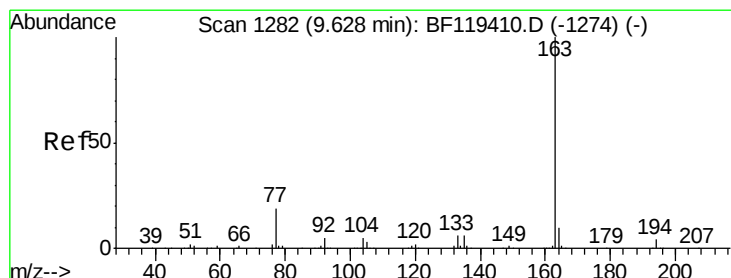
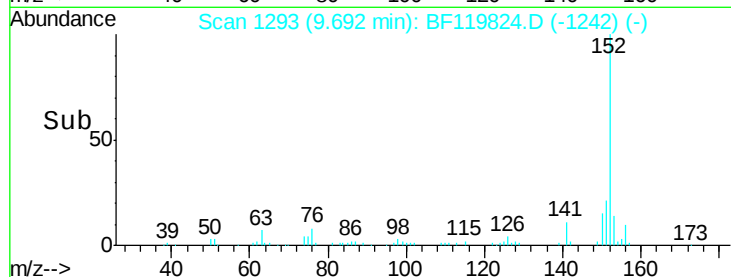
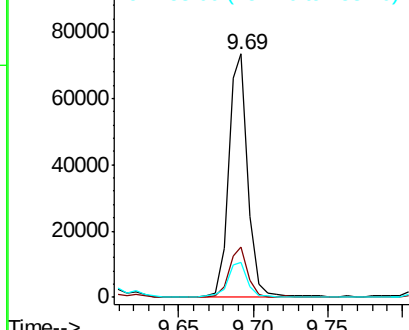
Tot Ion:	152	Resp:	66751
Ion Ratio	Lower	Upper	
152	100		
151	20.6	17.2	25.8
153	14.3	11.2	16.8

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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: 3.325 ng

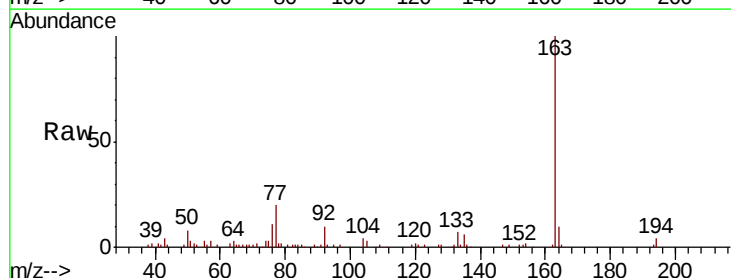
RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

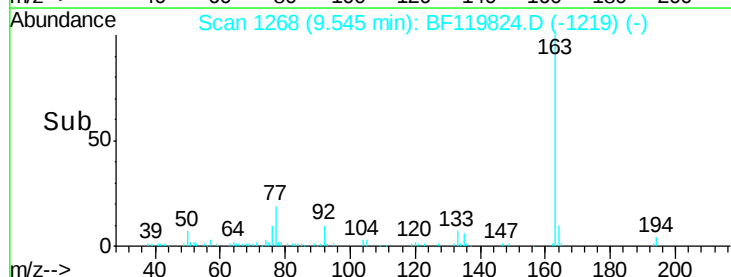
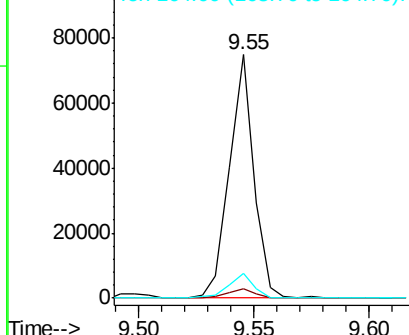
Lab File: BF119824.D

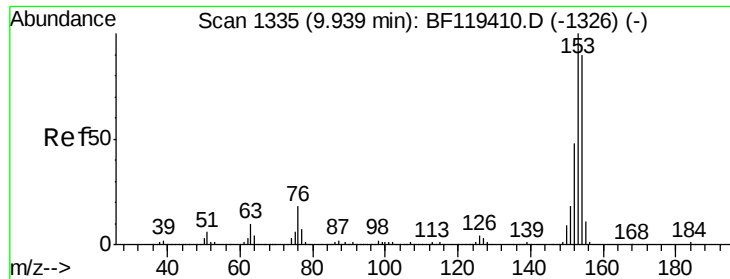
Acq: 7 Apr 2020 16:09

Tgt Ion:	163	Resp:	55384
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.1	4.7
164	9.9	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





#52

Acenaphthene

Concen: 5.107 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF119824.D

Acq: 7 Apr 2020 16:09

Instrument :

BNA_F

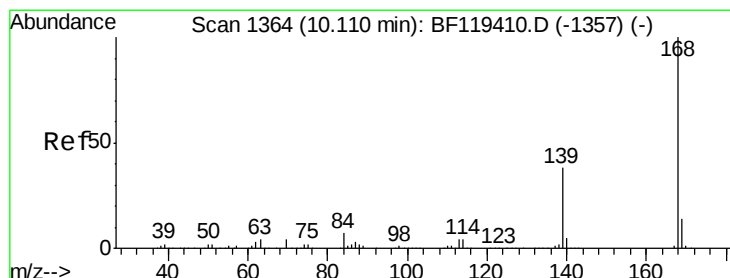
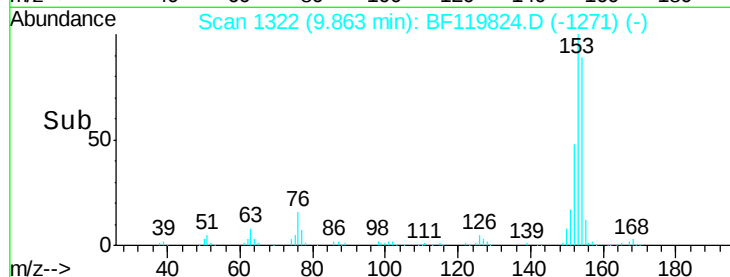
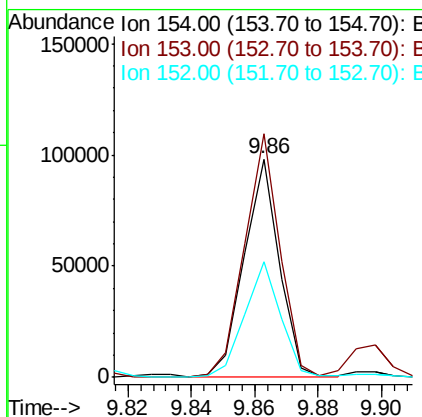
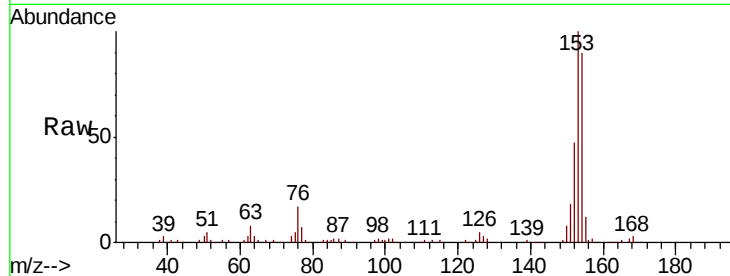
ClientSampled :

TP-7DL

Tot Ion:	154	Resp:	74806
Ion Ratio	Lower	Upper	
154	100		
153	111.4	88.1	132.1
152	52.8	43.0	64.4

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#55

Dibenzofuran

Concen: 5.080 ng

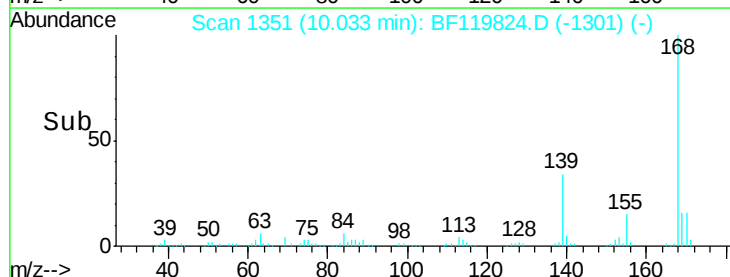
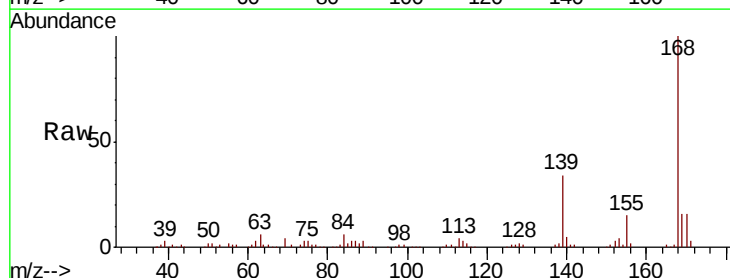
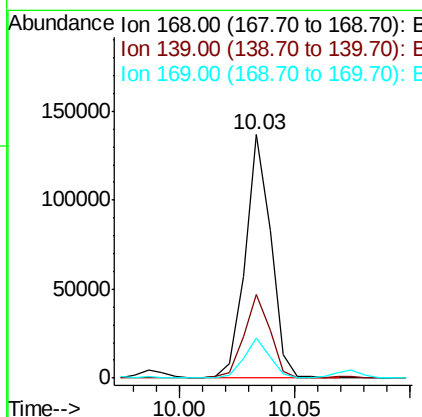
RT: 10.03 min Scan# 1351

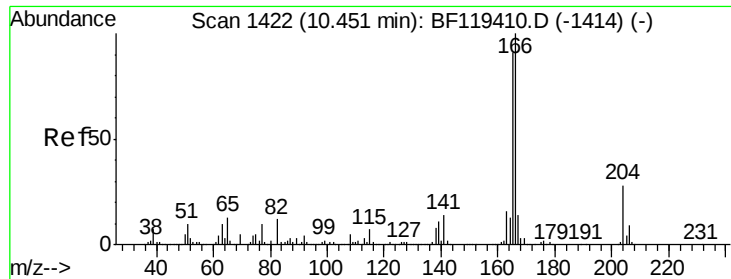
Delta R.T. -0.01 min

Lab File: BF119824.D

Acq: 7 Apr 2020 16:09

Tgt Ion:	168	Resp:	106671
Ion Ratio	Lower	Upper	
168	100		
139	34.4	30.1	45.1
169	16.2	11.0	16.6





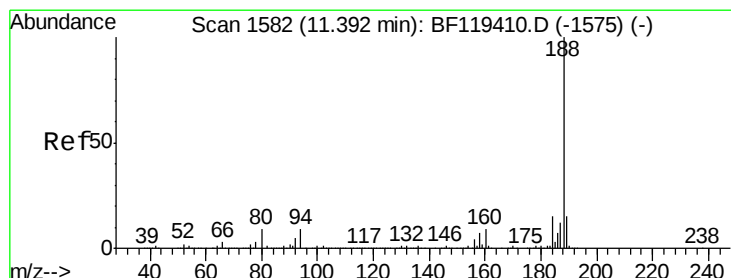
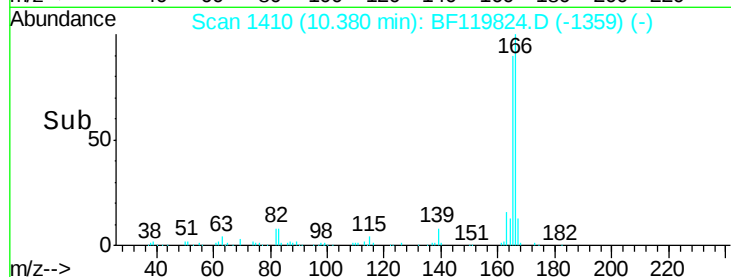
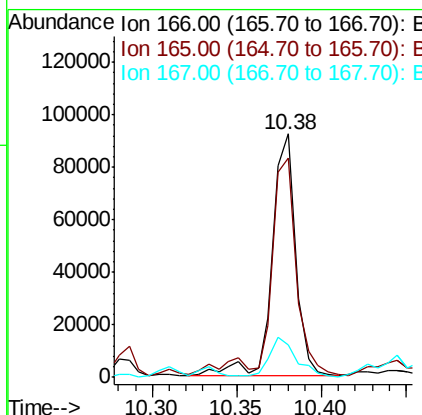
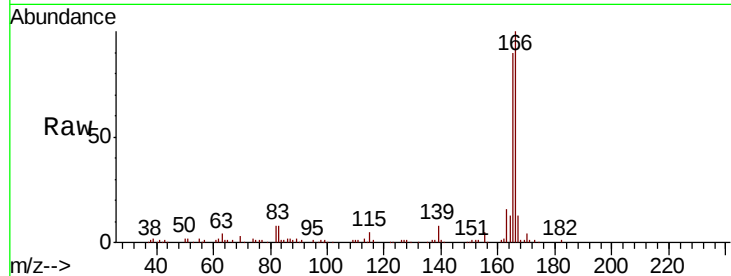
#58
 Fluorene
 Concen: 5.737 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-7DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		89084		
165	89.9	75.4	113.2		
167	13.4	11.2	16.8		

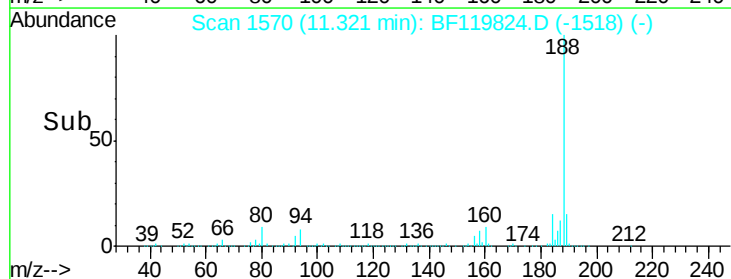
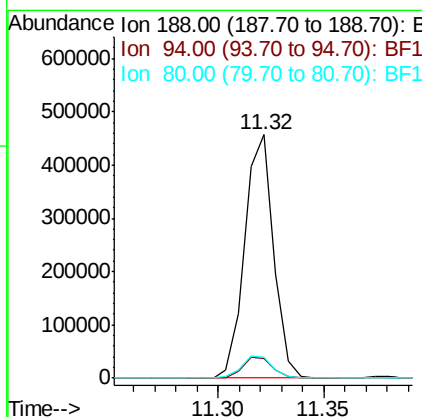
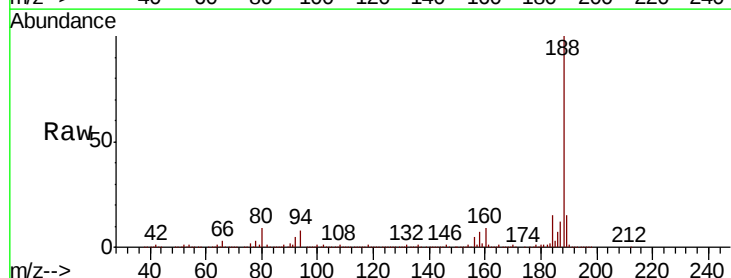
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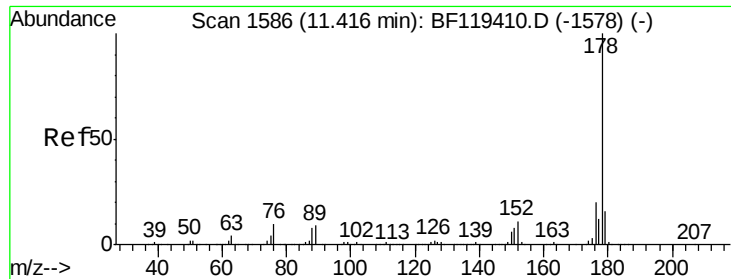
mohammad
 4/8/2020 8:13:24 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		431712		
94	8.0	7.5	11.3		
80	8.5	9.0	13.4		





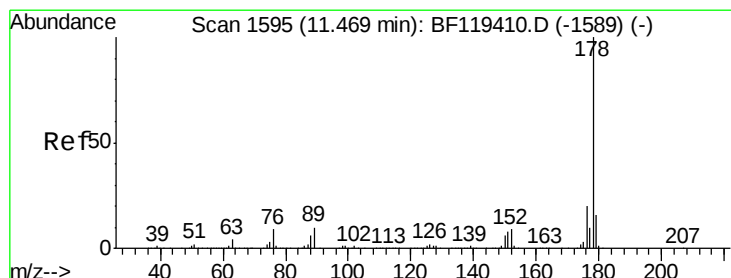
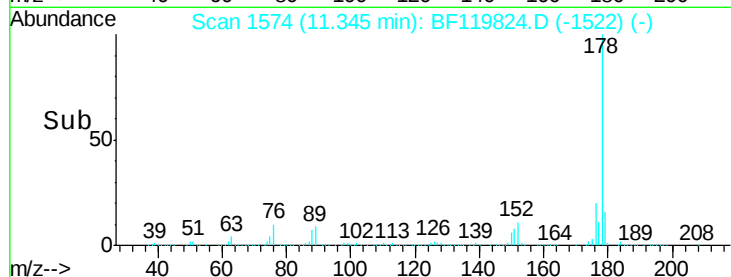
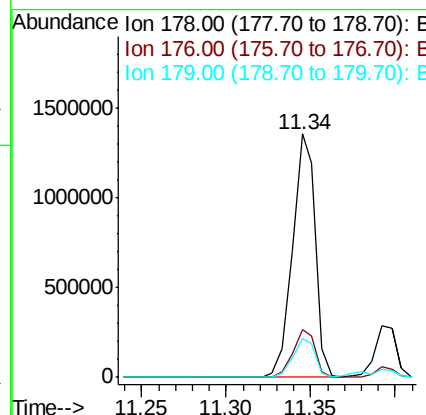
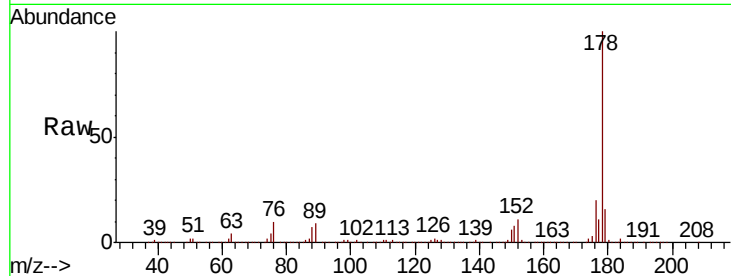
#71
Phenanthrene
Concen: 56.879 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	16.0	13.2	19.8

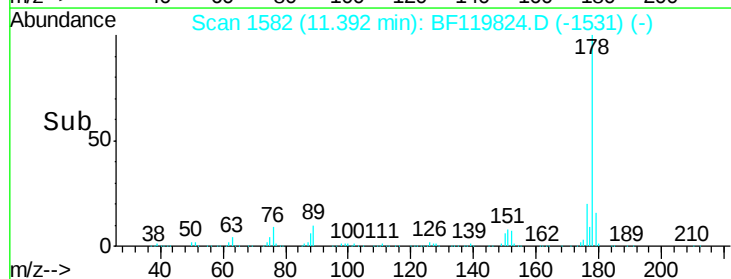
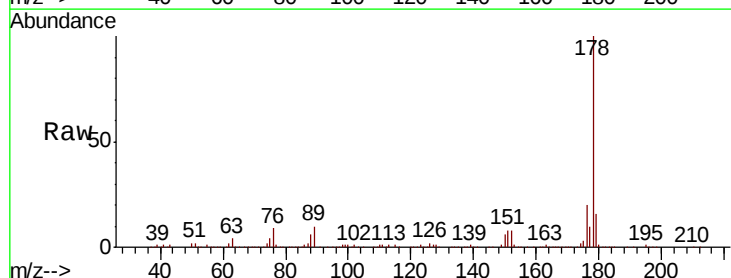
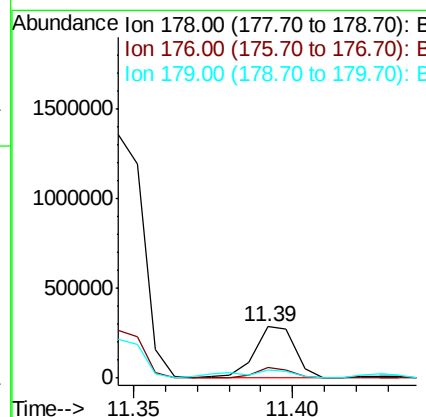
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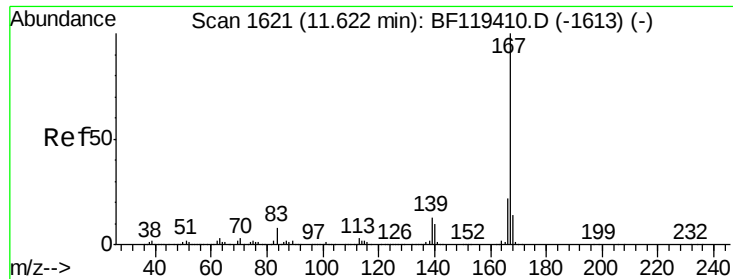
mohammad
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#72
Anthracene
Concen: 11.047 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.1	24.1
179	16.3	13.0	19.4





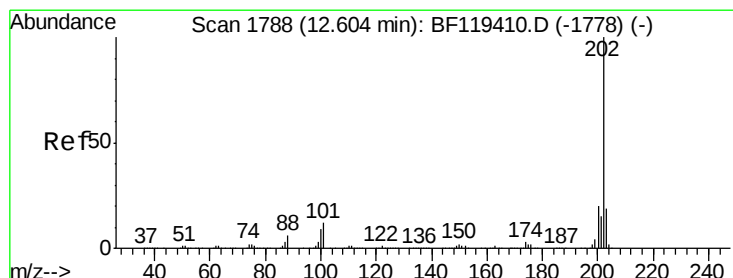
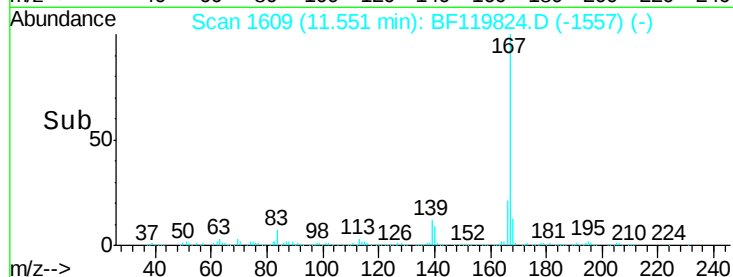
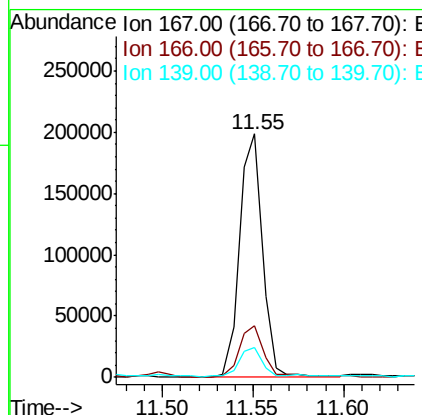
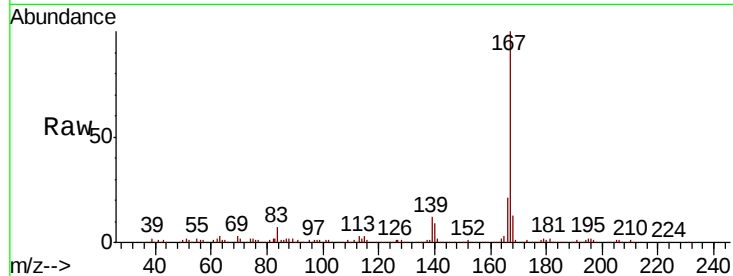
#73
 Carbazole
 Concen: 7.692 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Instrument :
 BNA_F
 ClientSampled :
 TP-7DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.2	27.4
139	12.1	10.7	16.1

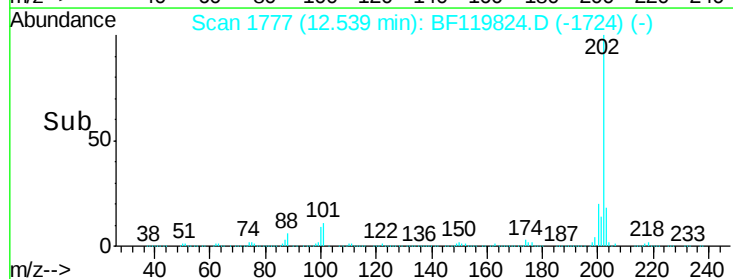
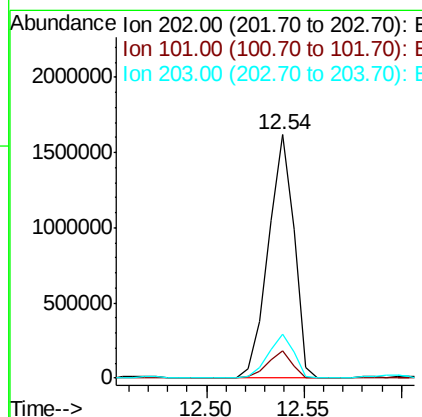
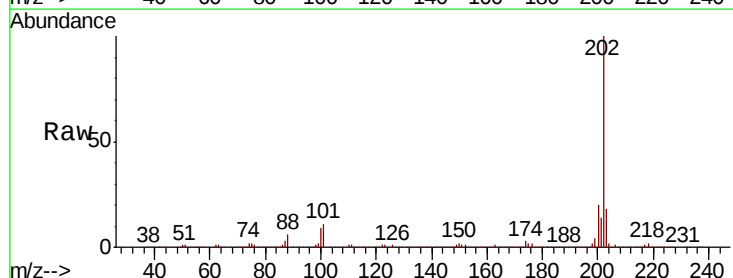
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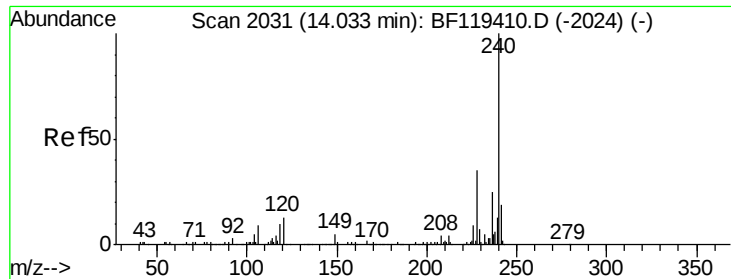
mohammad
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#75
 Fluoranthene
 Concen: 60.831 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.2
203	18.1	0.0	38.8





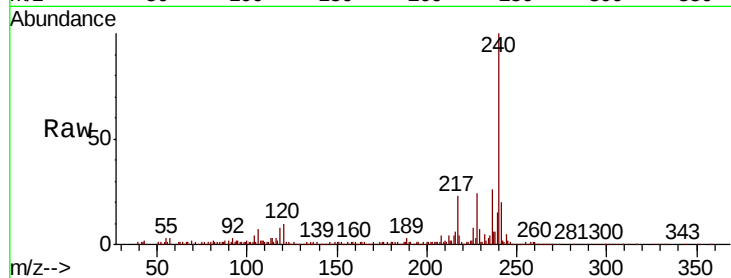
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-7DL

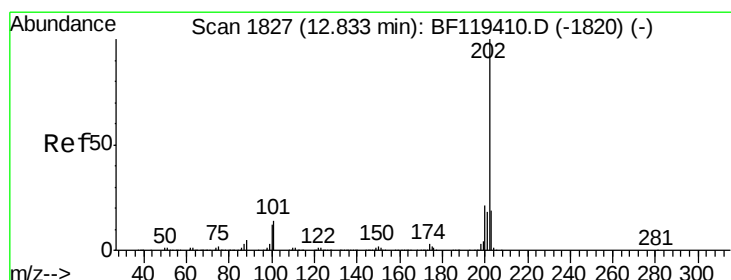
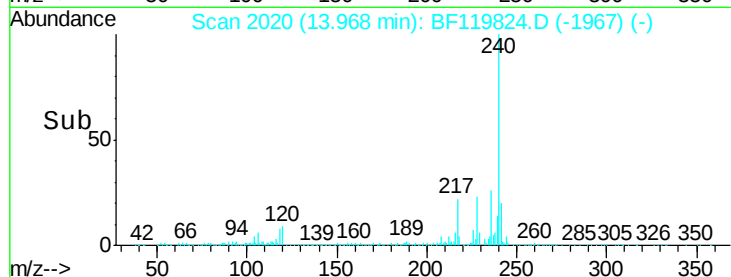
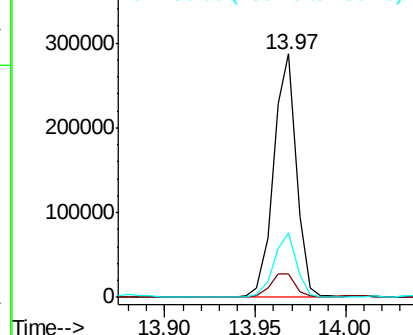
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	10.6	15.8#
236	26.5	20.2	30.2

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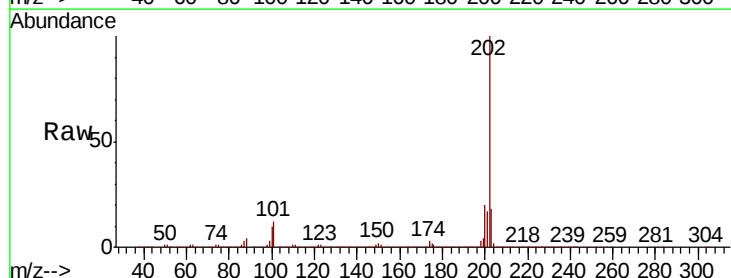


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

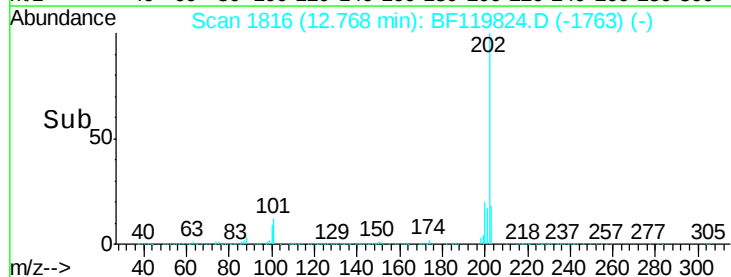
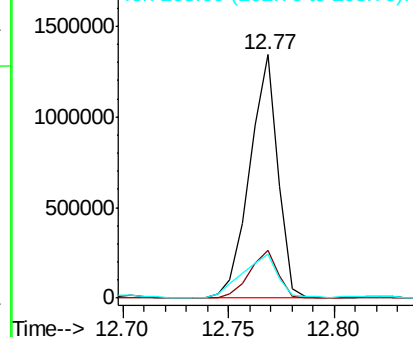


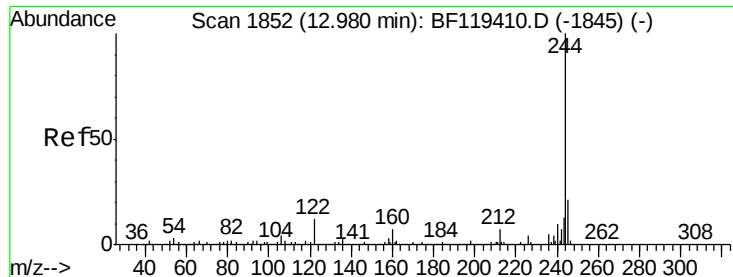
#78
 Pyrene
 Concen: 60.408 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BF119824.D
 Acq: 7 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	18.0	15.1	22.7



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: 34.197 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF119824.D

Acq: 7 Apr 2020 16:09

Instrument :

BNA_F

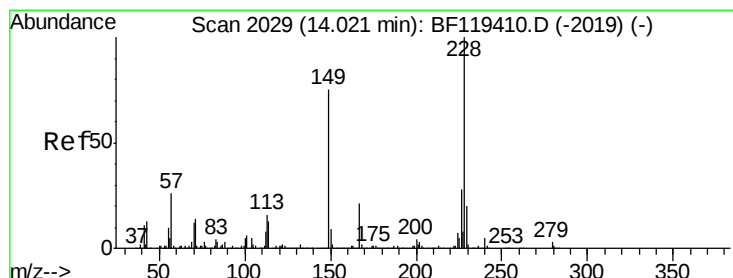
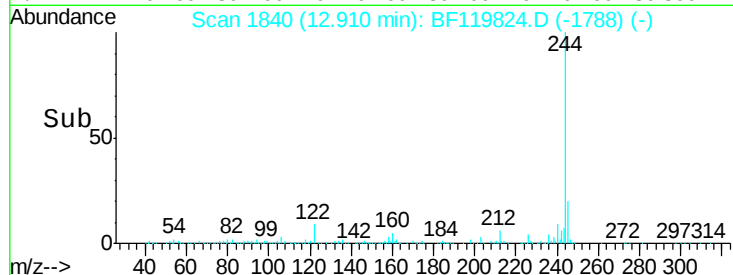
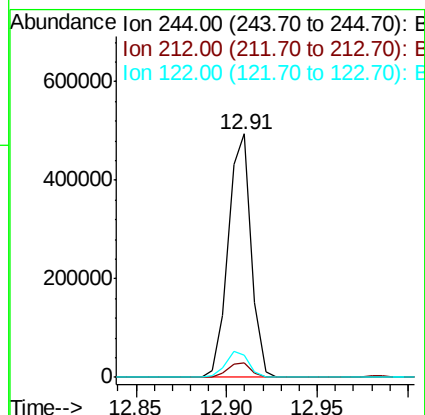
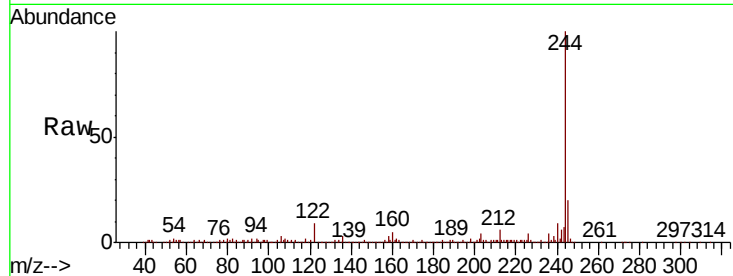
ClientSampleId :

TP-7DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.8	8.8
122	9.2	10.3	15.5

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#81

Benzo(a)anthracene

Concen: 30.920 ng

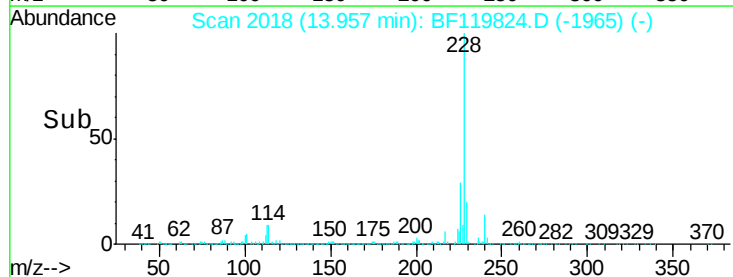
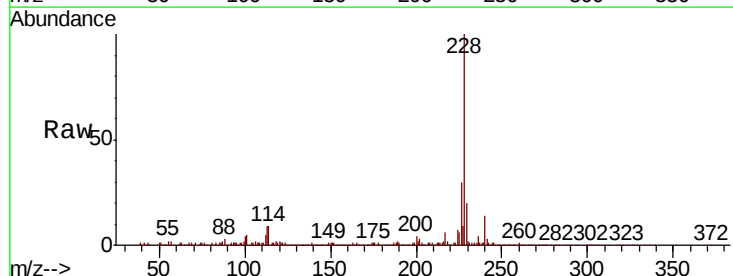
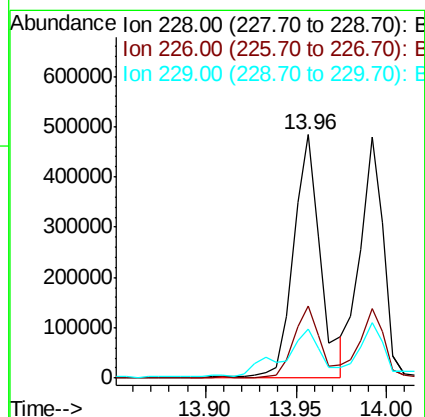
RT: 13.96 min Scan# 2018

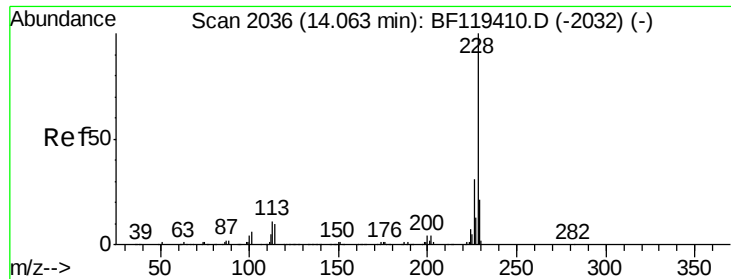
Delta R.T. 0.01 min

Lab File: BF119824.D

Acq: 7 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.8	32.8
229	20.1	16.2	24.4





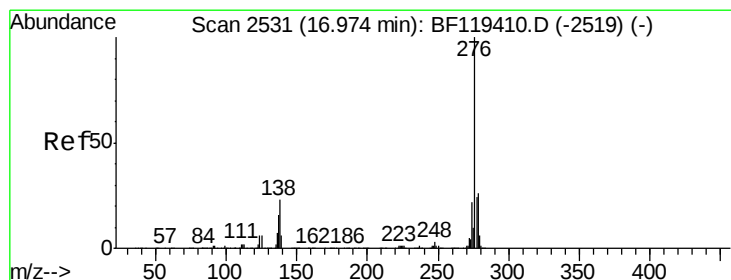
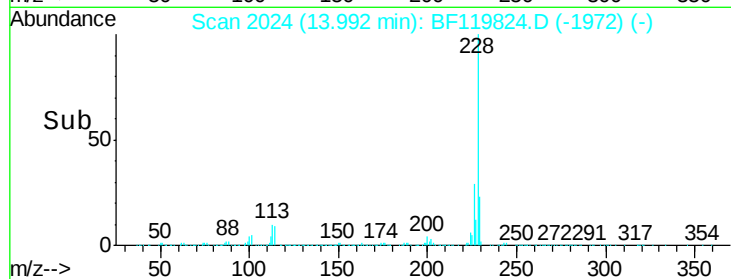
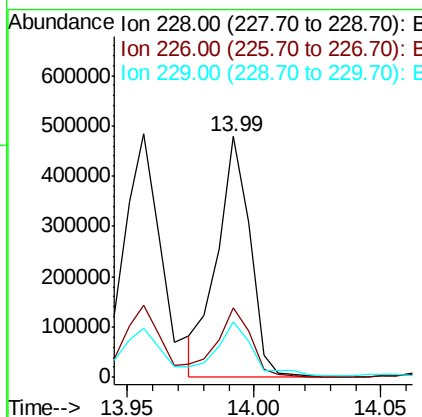
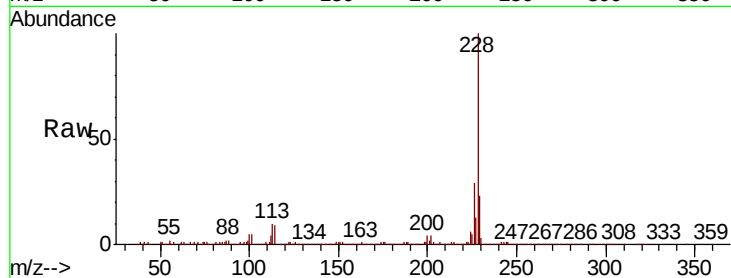
#83
Chrysene
Concen: 25.638 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.4	38.0
229	22.9	16.6	24.8

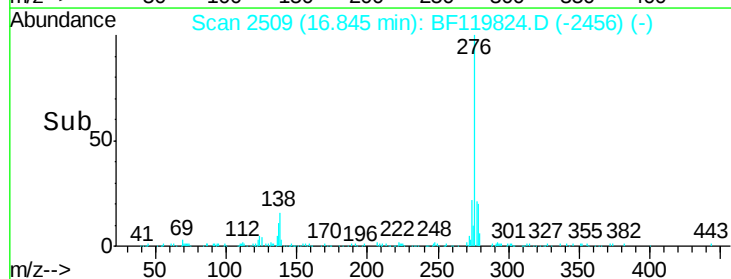
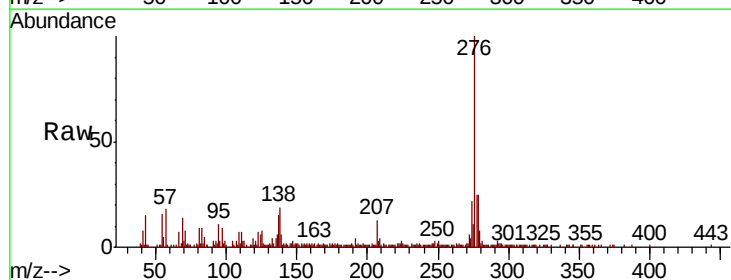
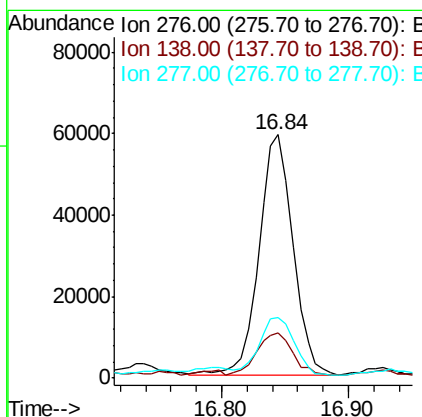
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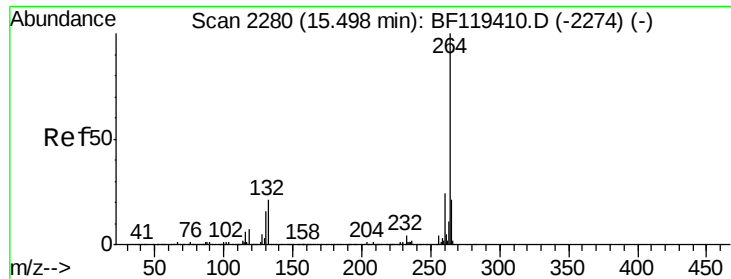
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.988 ng
RT: 16.84 min Scan# 2509
Delta R.T. 0.01 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	19.6	29.4#
277	24.8	20.0	30.0





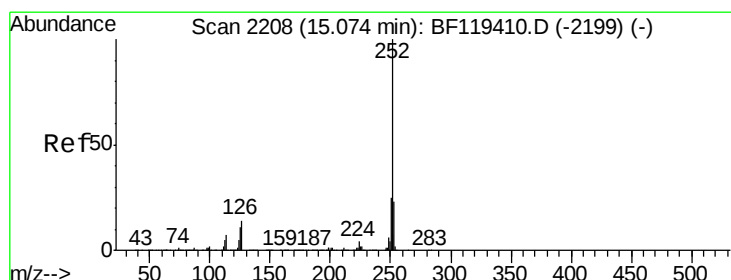
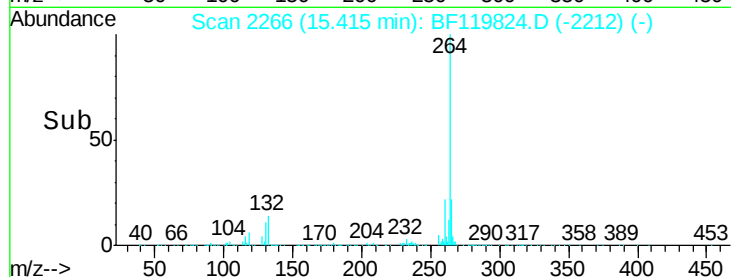
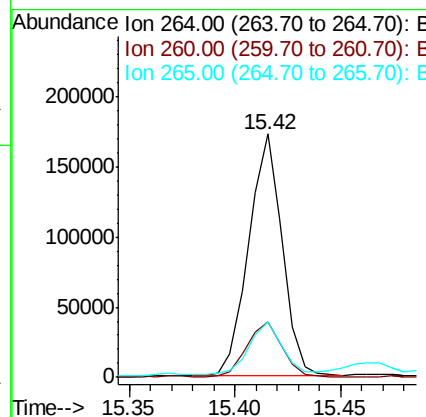
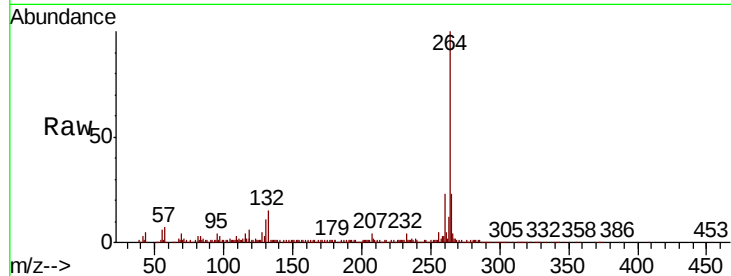
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.02 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	22.7	17.7	26.5

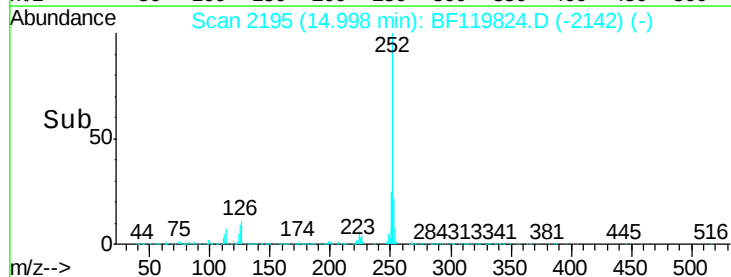
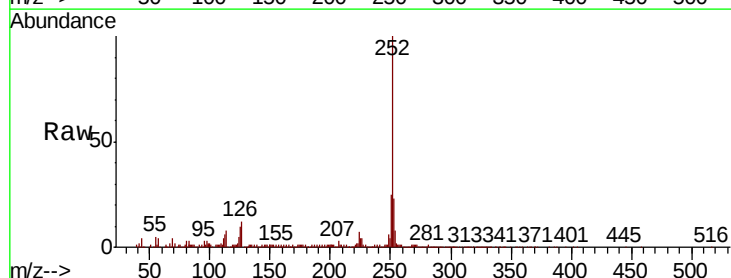
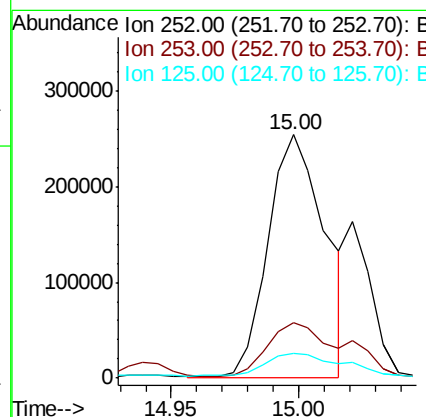
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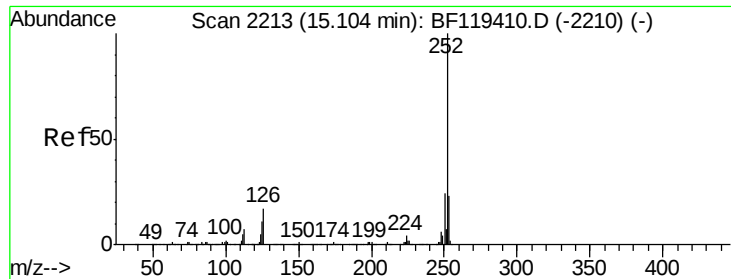
mohammad
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#88
Benzo(b)fluoranthene
Concen: 30.970 ng m
RT: 15.00 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	10.3	7.9	11.9





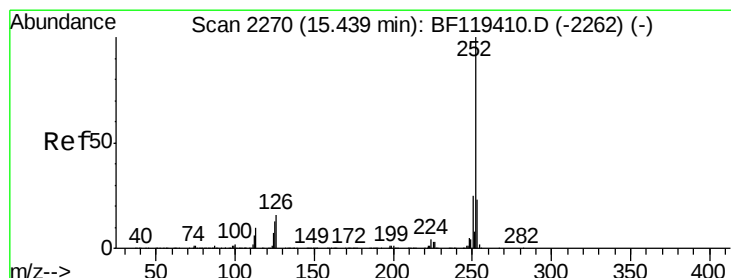
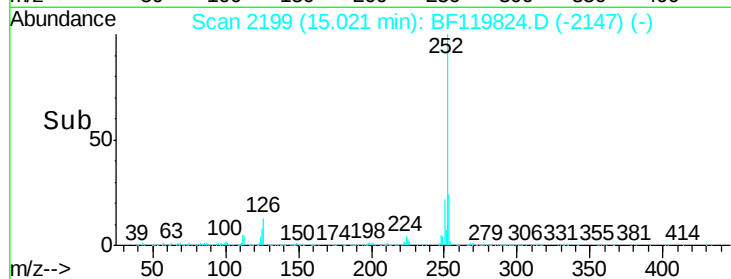
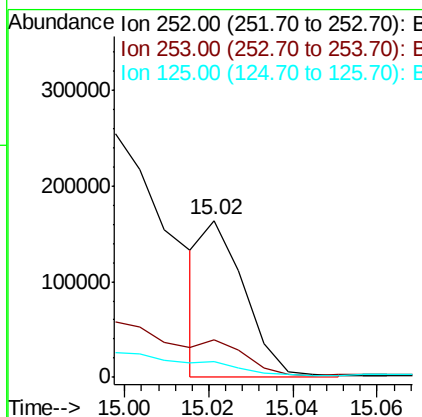
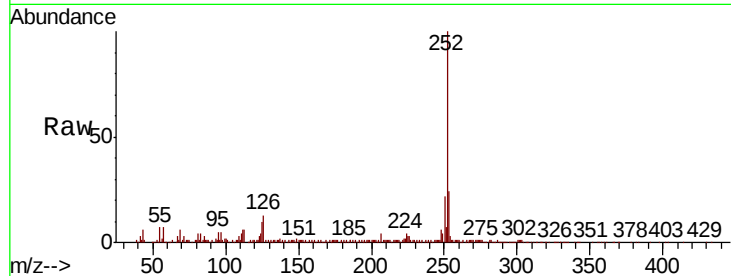
#89
Benzo(k)fluoranthene
Concen: 9.335 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Instrument :
BNA_F
ClientSampleId :
TP-7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	9.7	8.4	12.6

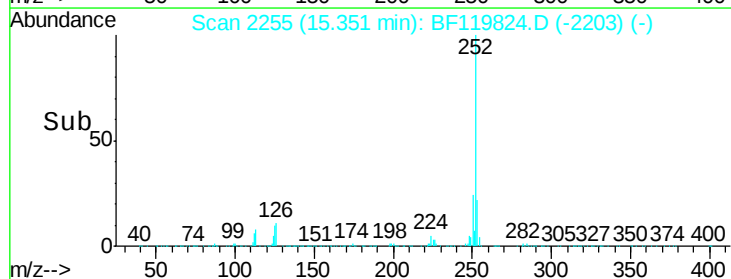
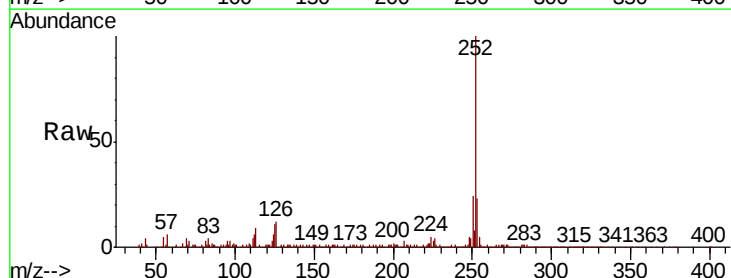
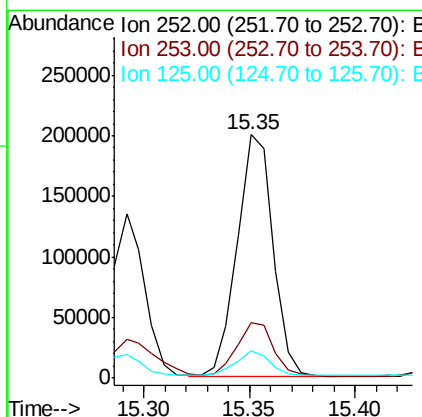
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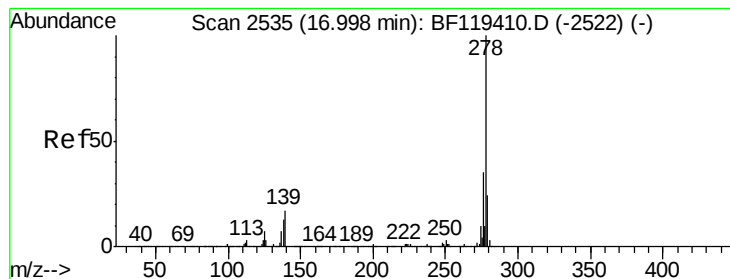
mohammad
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#90
Benzo(a)pyrene
Concen: 20.201 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF119824.D
Acq: 7 Apr 2020 16:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.1	9.4	14.2





#91

Dibenzo(a,h)anthracene

Concen: 3.840 ng/mL

RT: 16.86 min Scan# 2511

Delta R.T. 0.01 min

Lab File: BF119824.D

Acq: 7 Apr 2020 16:09

Instrument :

BNA_F

ClientSampleID :

TP-7DL

Tot Ion:278 Resp: 38986

Ion Ratio Lower Upper

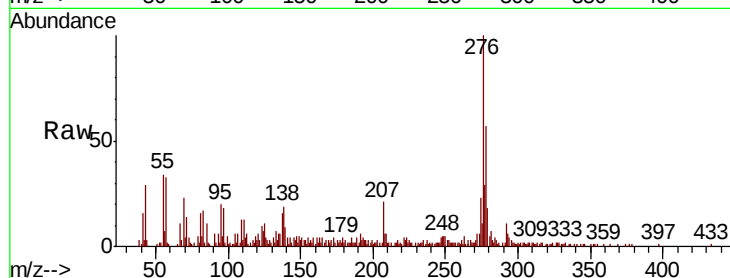
278 100

139 16.5 12.6 19.0

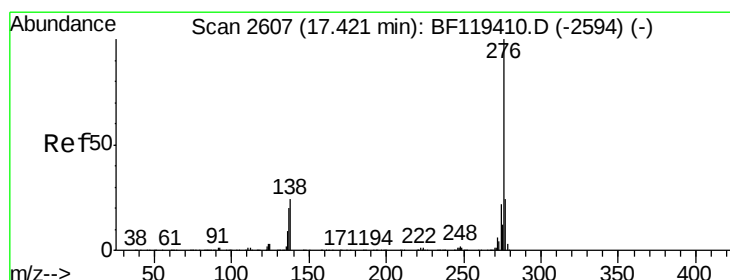
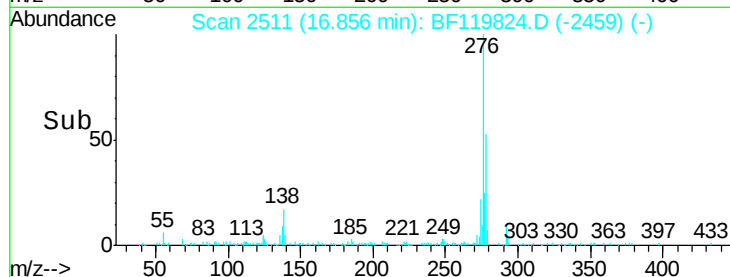
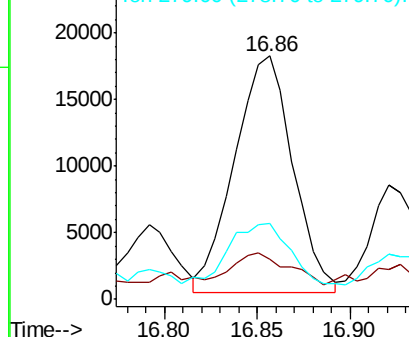
279 31.2 19.0 28.6#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.279 ng/mL

RT: 17.27 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF119824.D

Acq: 7 Apr 2020 16:09

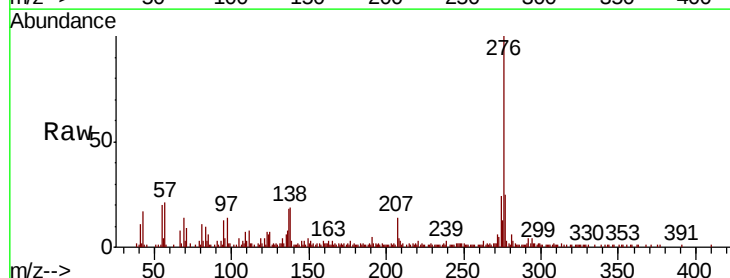
Tgt Ion:276 Resp: 94637

Ion Ratio Lower Upper

276 100

277 25.4 18.4 27.6

138 18.9 15.4 23.0



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

