

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119820.D
 Acq On : 7 Apr 2020 14:22
 Operator : MA/SJ
 Sample : L2135-08
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3K-(0-2)

Manual Integrations
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mohammad
 4/8/2020 8:13:10 AM

Quant Time: Apr 07 15:11:01 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	108680	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	395806	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	183324	20.00	ng	0.02
64) Phenanthrene-d10	11.36	188	248856	20.00	ng	0.04
76) Chrysene-d12	14.01	240	158890	20.00	ng	0.05
87) Perylene-d12	15.49	264	135990	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	608542	89.14	ng	0.00
7) Phenol-d6	6.42	99	736154	84.41	ng	0.00
23) Nitrobenzene-d5	7.35	82	489692	67.24	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	138775m	73.38	ng	0.03
45) 2-Fluorobiphenyl	9.16	172	699289	56.51	ng	0.01
79) Terphenyl-d14	12.94	244	546847	67.43	ng	0.04
Target Compounds						
27) 2,4-Dimethylphenol	7.73	122	30129	4.755	ng	Qvalue # 1
37) 2-Methylnaphthalene	8.80	142	679993	50.868	ng	99
38) 1-Methylnaphthalene	8.90	142	1174290m	92.809	ng	
50) Dimethylphthalate	9.56	163	112024	8.603	ng	# 48
52) Acenaphthene	9.89	154	500873	43.745	ng	91
58) Fluorene	10.42	166	656985	54.120	ng	# 82
71) Phenanthrene	11.39	178	3200672	248.040	ng	97
72) Anthracene	11.43	178	1000413m	76.282	ng	
75) Fluoranthene	12.59	202	1833963	131.325	ng	97
78) Pyrene	12.82	202	1889141	144.873	ng	97
81) Benzo(a)anthracene	14.00	228	590944	57.193	ng	# 81
83) Chrysene	14.04	228	606134	56.842	ng	# 83
84) Bis(2-ethylhexyl)phthalate	13.98	149	47258	7.517	ng	# 55
86) Indeno(1,2,3-cd)pyrene	16.96	276	75330	7.501	ng	96
88) Benzo(b)fluoranthene	15.06	252	313858m	34.550	ng	
89) Benzo(k)fluoranthene	15.07	252	130468m	15.083	ng	
90) Benzo(a)pyrene	15.42	252	240189	29.094	ng	# 46
91) Dibenzo(a,h)anthracene	16.95	278	26548	3.677	ng	# 1
92) Benzo(a,h,i)perylene	17.40	276	83996	11.579	ng	# 63

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

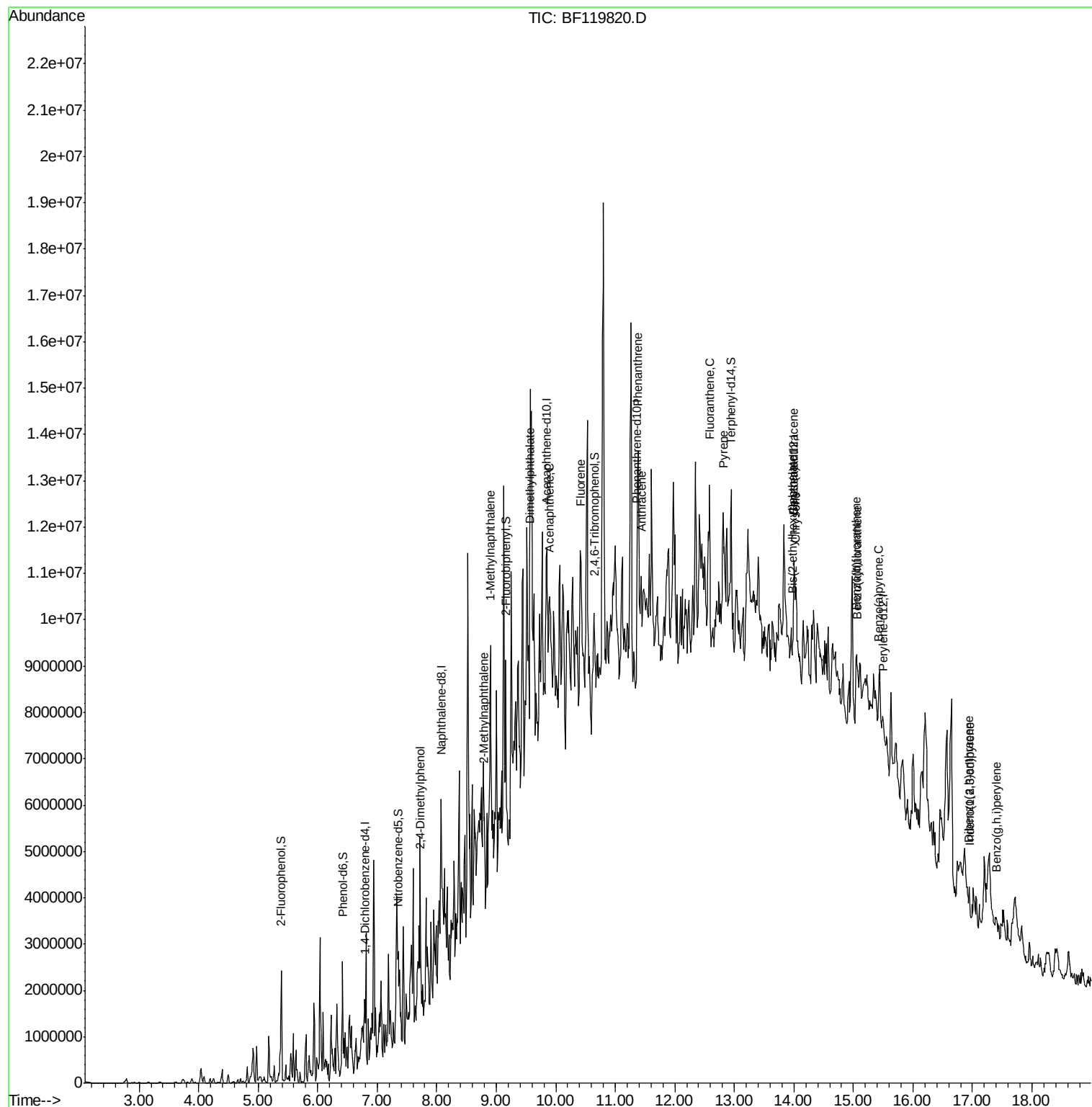
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
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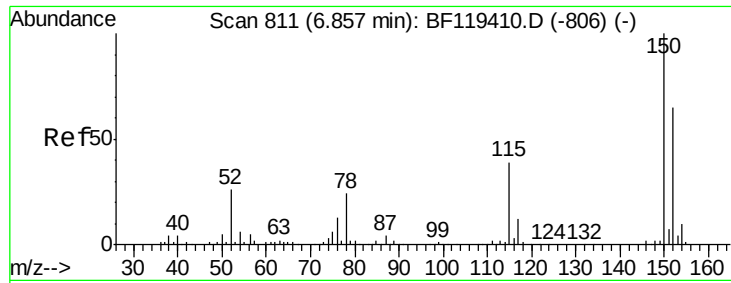
Instrument :
BNA_F
ClientSampleId :
SB-3K-(0-2)

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Quant Time: Apr 07 15:11:01 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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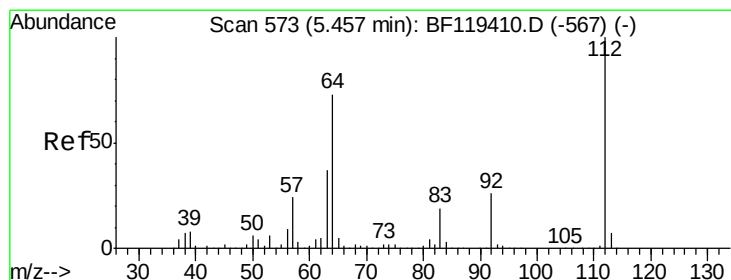
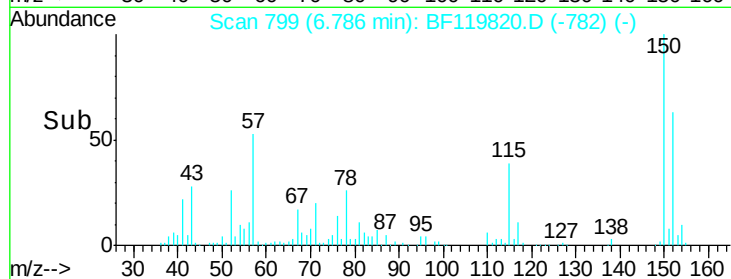
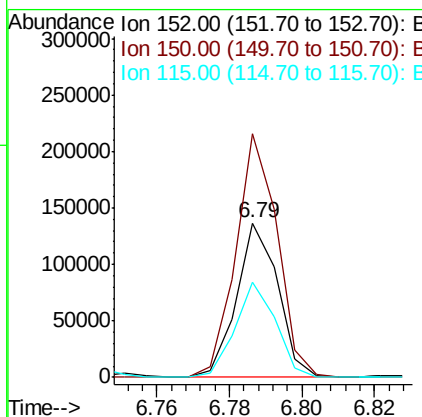
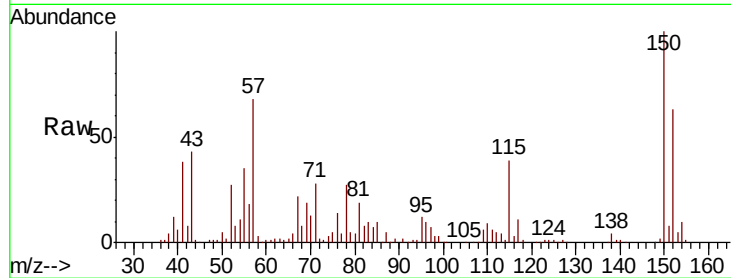
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF119820.D
 Acq: 7 Apr 2020 14:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-3K-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.5	186.7
115	61.4	49.6	74.4

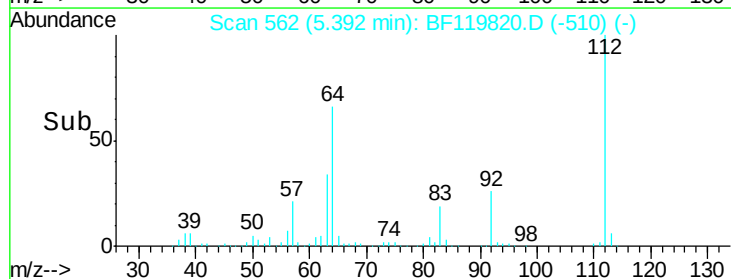
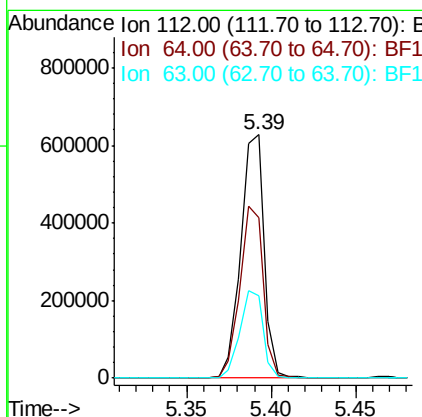
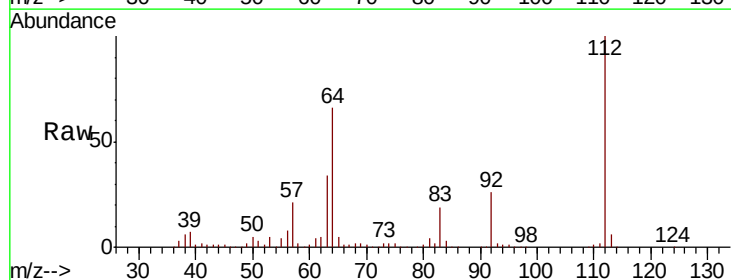
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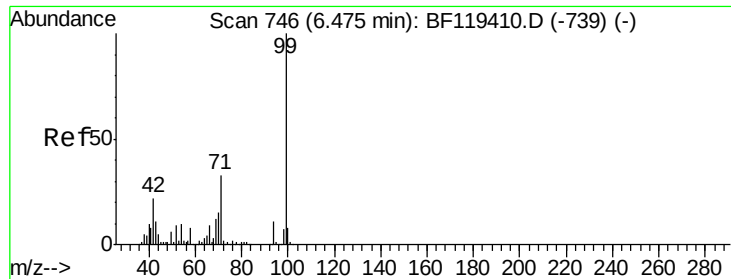
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#5
 2-Fluorophenol
 Concen: 89.137 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF119820.D
 Acq: 7 Apr 2020 14:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	56.7	85.1
63	33.6	29.5	44.3





#7

Phenol-d6

Concen: 84.411 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF119820.D

Acq: 7 Apr 2020 14:22

Instrument :

BNA_F

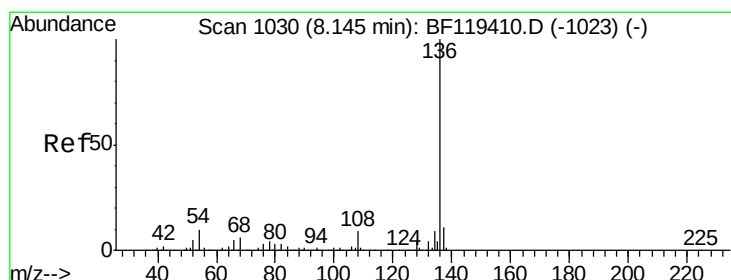
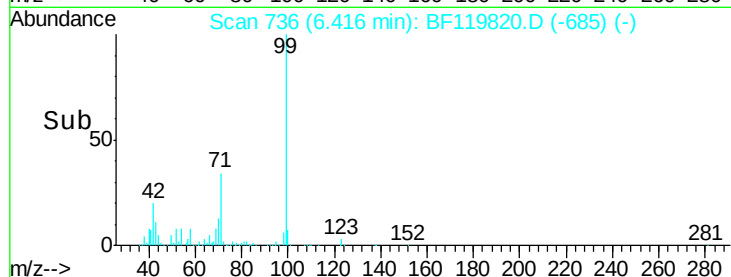
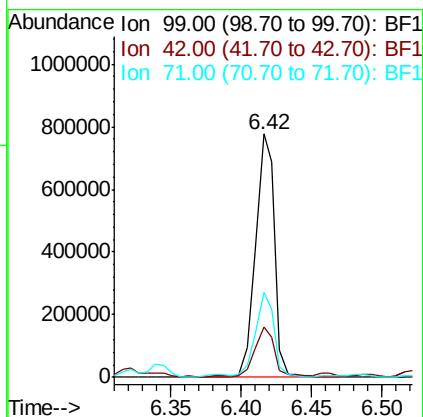
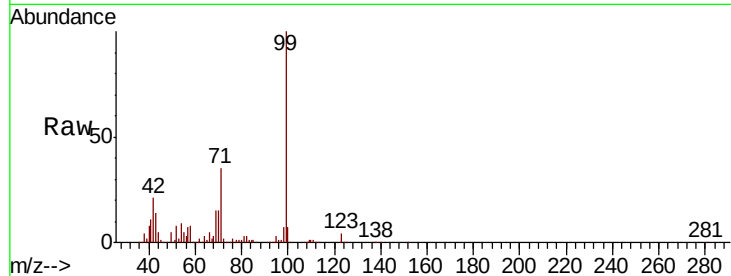
ClientSampleId :

SB-3K-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		736154		
42	20.8	16.6	24.8		
71	34.8	26.4	39.6		

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#21

Naphthalene-d8

Concen: 20.000 ng

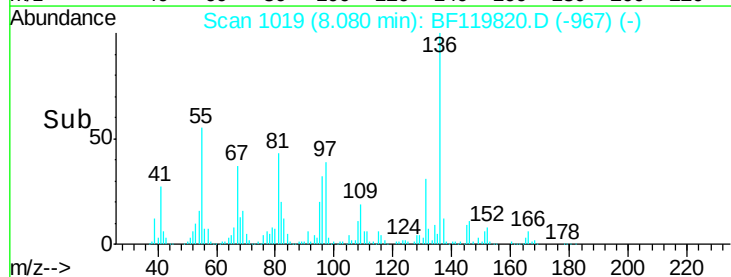
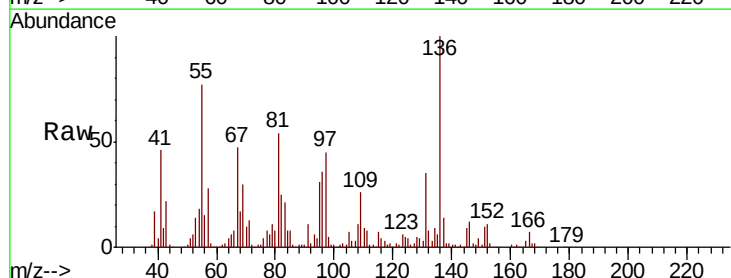
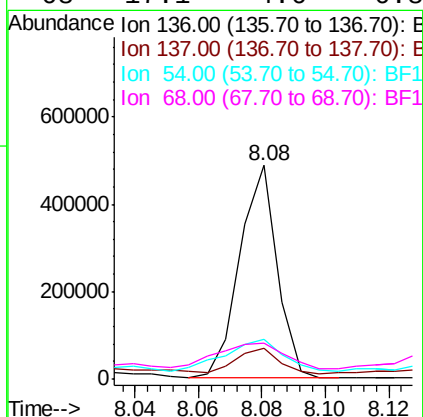
RT: 8.08 min Scan# 1019

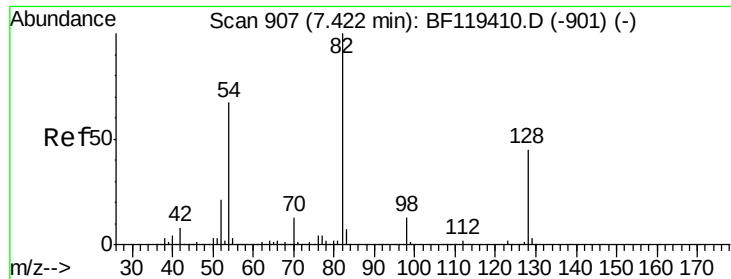
Delta R.T. 0.01 min

Lab File: BF119820.D

Acq: 7 Apr 2020 14:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		395806		
137	14.2	8.7	13.1#		
54	18.3	9.1	13.7#		
68	17.1	4.6	6.8#		





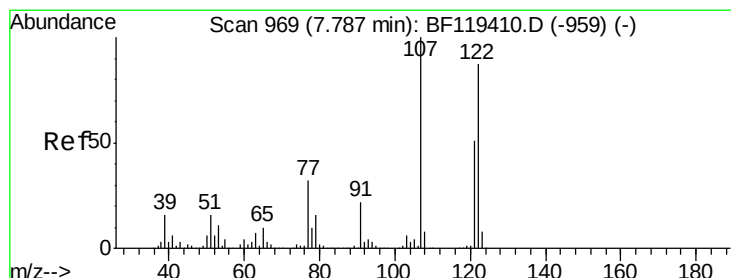
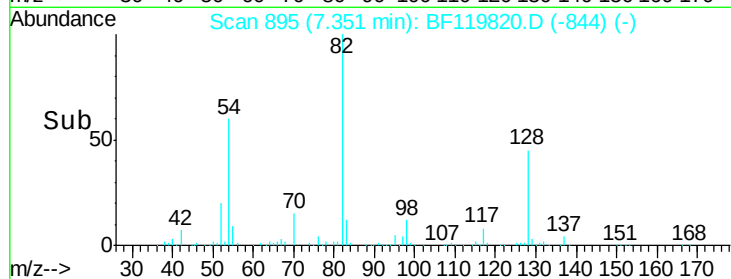
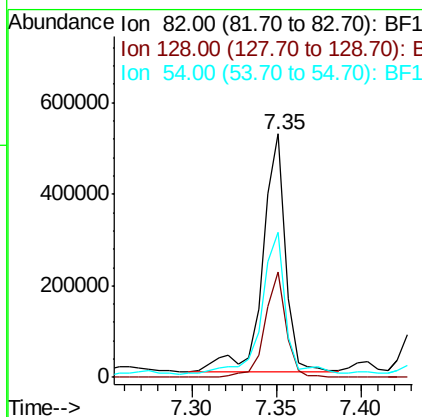
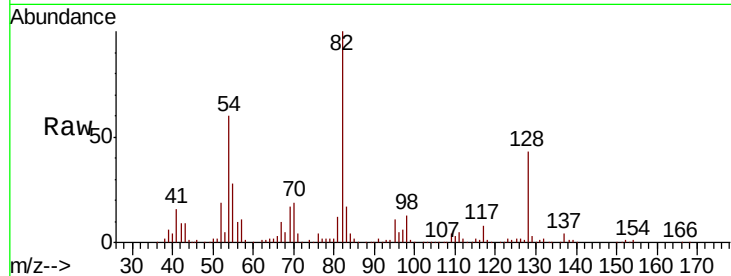
#23
 Nitrobenzene-d5
 Concen: 67.239 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: BF119820.D
 Acq: 7 Apr 2020 14:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-3K-(0-2)

Tot Ion:	82	Resp:	489692
Ion Ratio	Lower	Upper	
82	100		
128	43.3	36.3	54.5
54	59.6	50.6	75.8

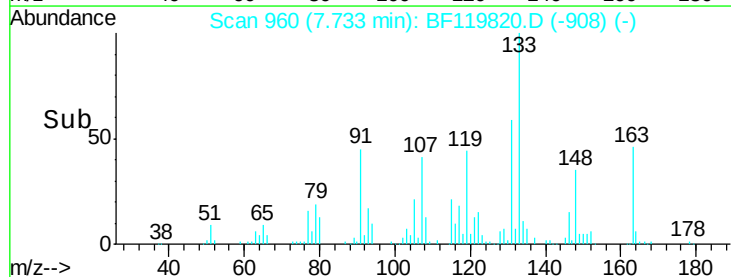
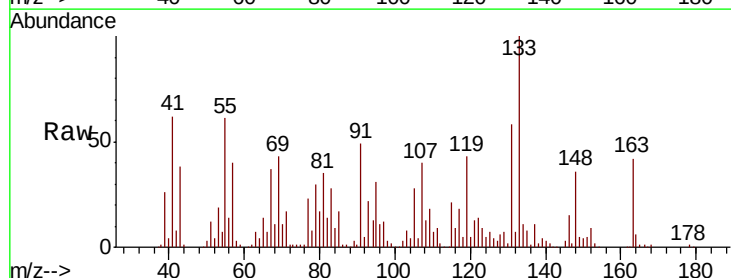
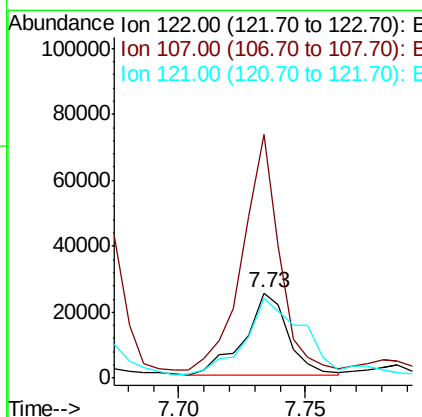
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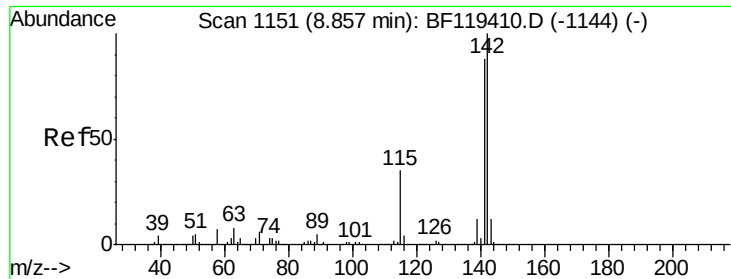
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#27
 2,4-Dimethylphenol
 Concen: 4.755 ng
 RT: 7.73 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: BF119820.D
 Acq: 7 Apr 2020 14:22

Tgt Ion:	122	Resp:	30129
Ion Ratio	Lower	Upper	
122	100		
107	285.0	89.0	133.6#
121	93.4	46.7	70.1#





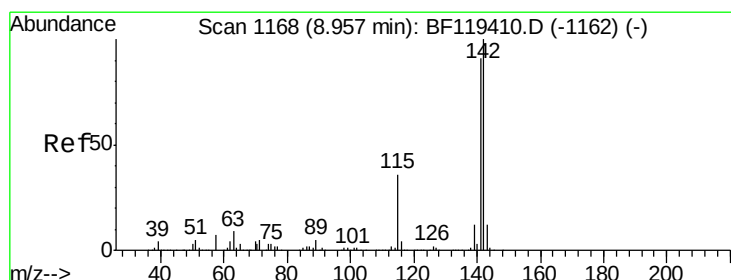
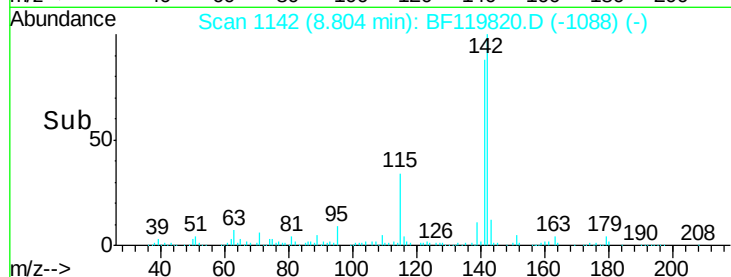
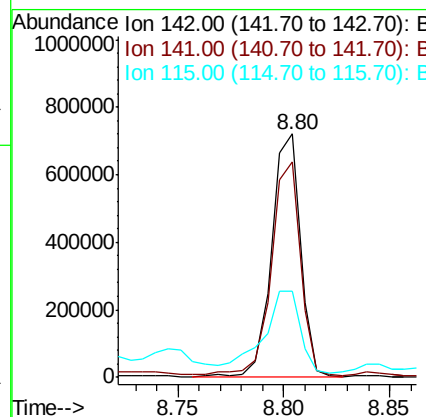
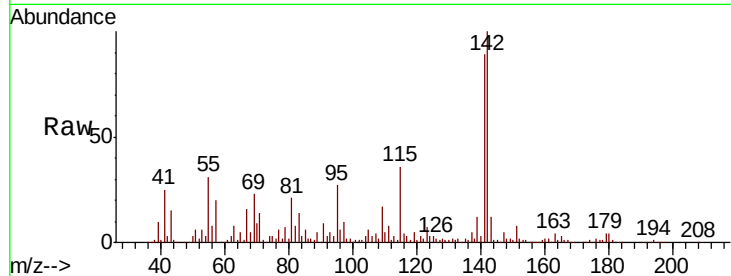
#37
2-Methylnaphthalene
Concen: 50.868 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.02 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Instrument :
BNA_F
ClientSampleId :
SB-3K-(0-2)

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	35.5	27.9	41.9

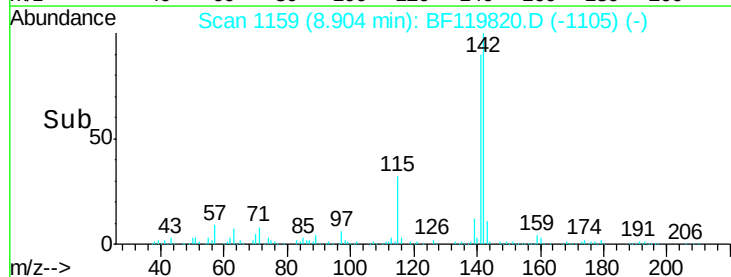
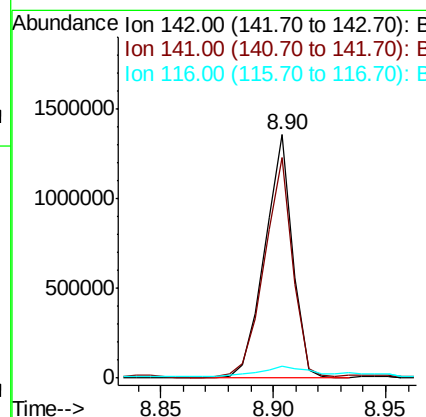
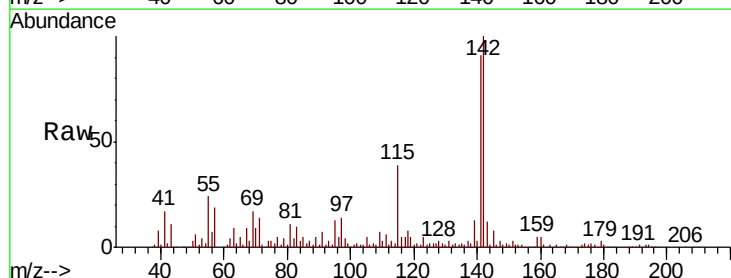
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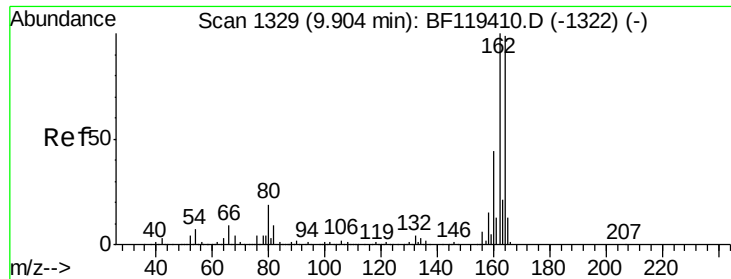
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#38
1-Methylnaphthalene
Concen: 92.809 ng m
RT: 8.90 min Scan# 1159
Delta R.T. 0.02 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.7	110.5
116	4.8	3.0	4.6#





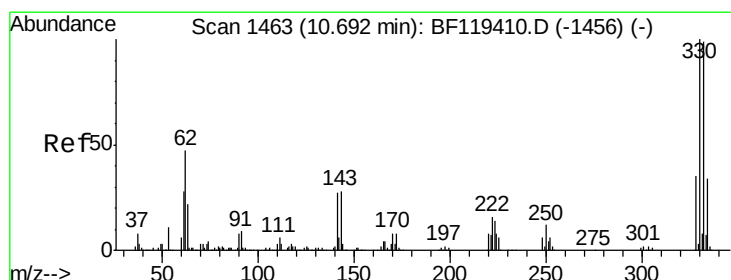
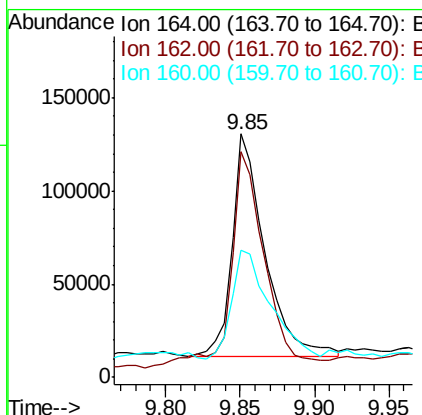
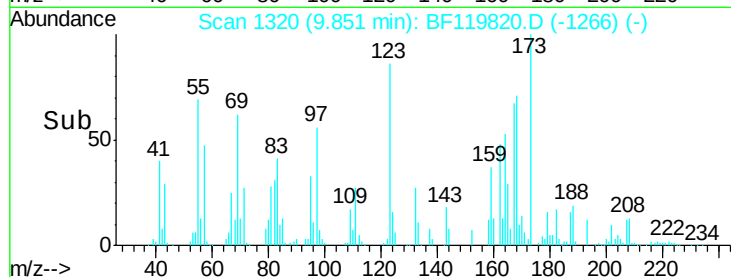
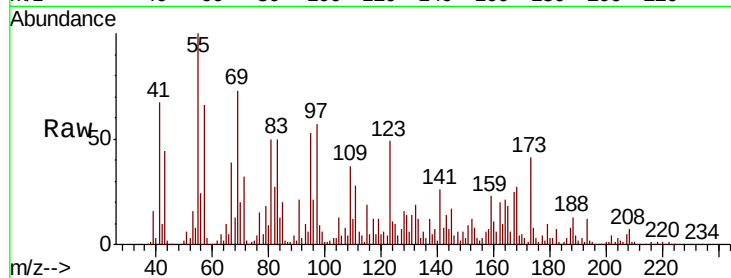
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Instrument :
BNA_F
ClientSampleId :
SB-3K-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	183324		
162	92.9	80.6	121.0	
160	52.3	35.7	53.5	

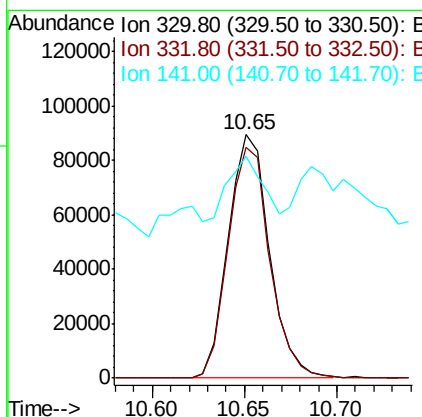
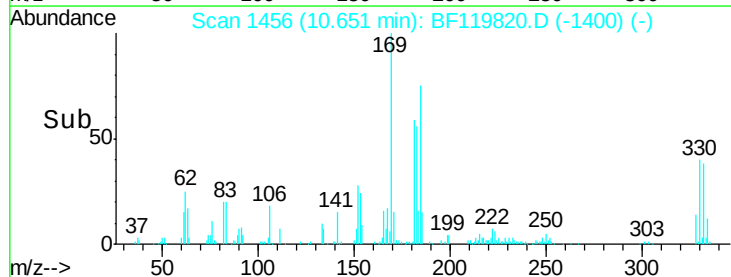
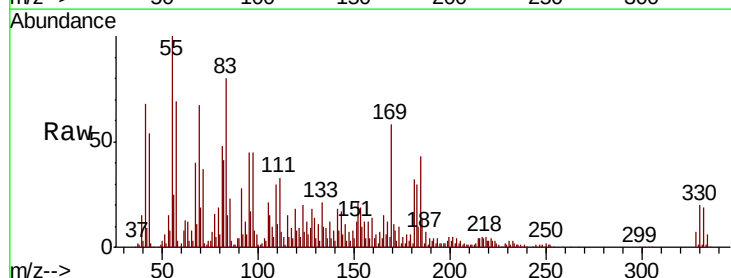
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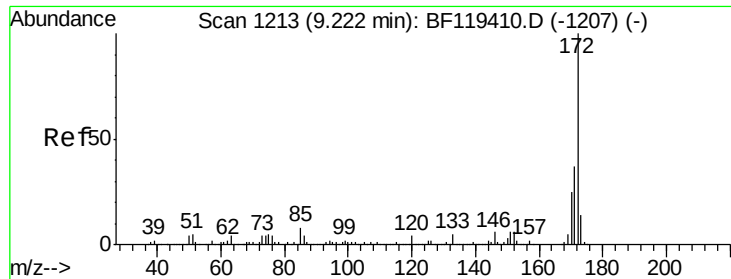
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#42
2,4,6-Tribromophenol
Concen: 73.376 ng m
RT: 10.65 min Scan# 1456
Delta R.T. 0.03 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	138775		
332	0.0	75.7	113.5#	
141	0.0	25.4	38.0#	





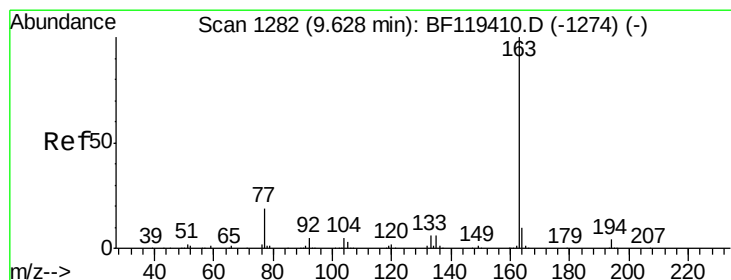
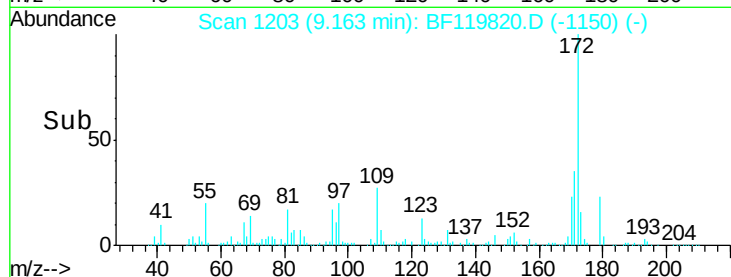
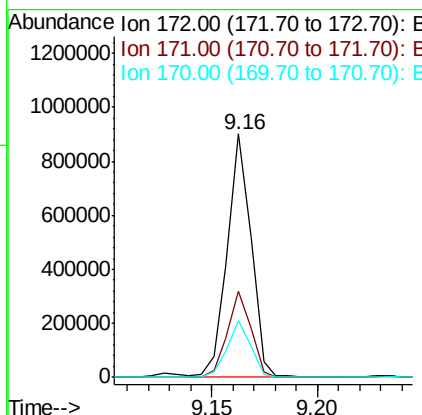
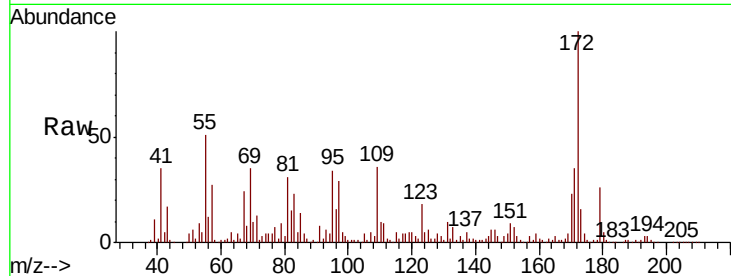
#45
2-Fluorobiphenyl
Concen: 56.511 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.01 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Instrument :
BNA_F
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SB-3K-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.3	20.2	30.2

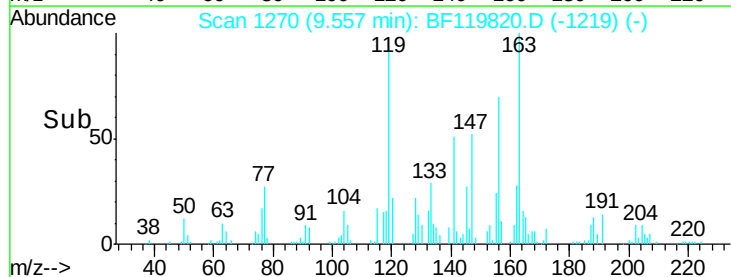
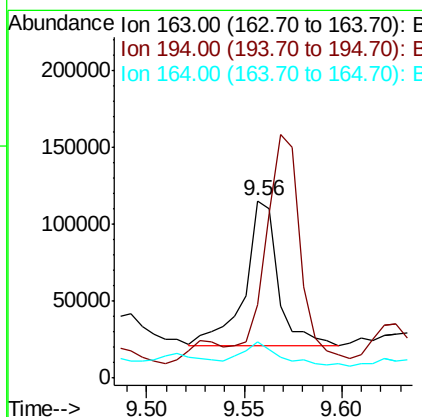
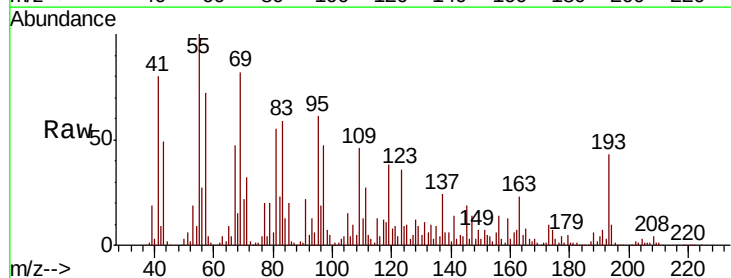
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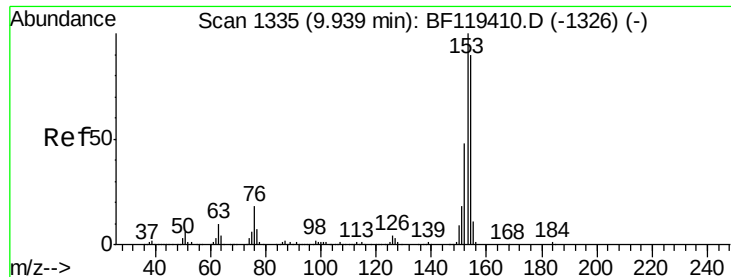
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#50
Dimethylphthalate
Concen: 8.603 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	41.7	3.1	4.7#
164	20.5	8.2	12.2#





#52

Acenaphthene

Concen: 43.745 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.02 min

Lab File: BF119820.D

Acq: 7 Apr 2020 14:22

Instrument :

BNA_F

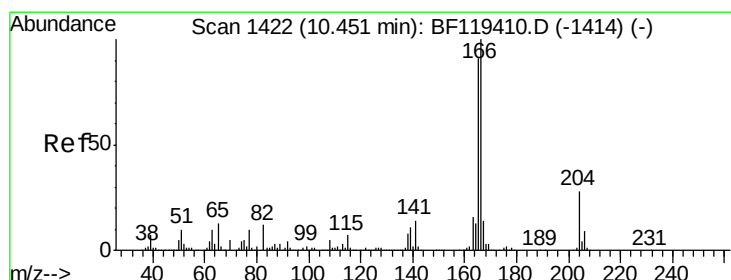
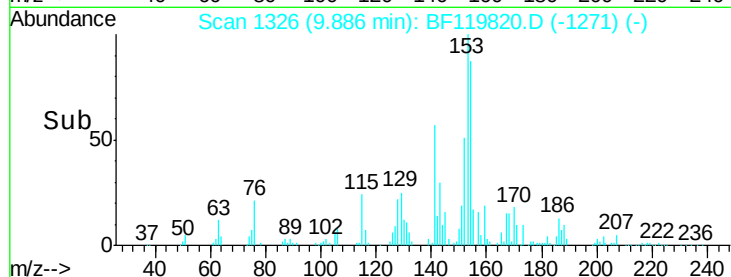
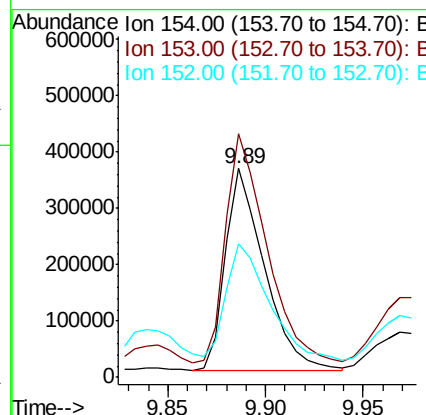
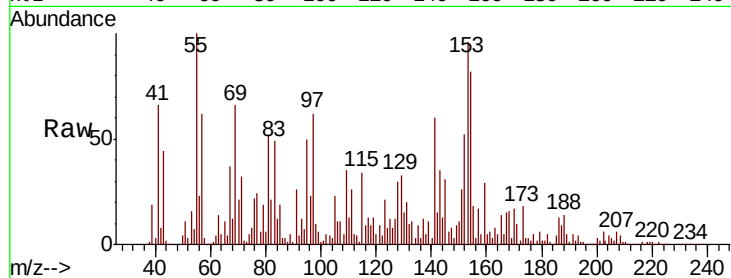
ClientSampleId :

SB-3K-(0-2)

Tot Ion:	154	Resp:	500873
Ion Ratio	Lower	Upper	
154	100		
153	116.6	88.1	132.1
152	63.7	43.0	64.4

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#58

Fluorene

Concen: 54.120 ng

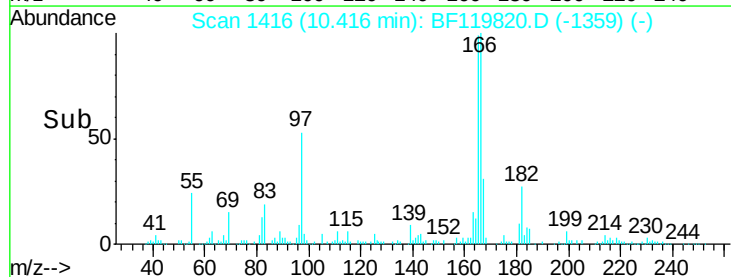
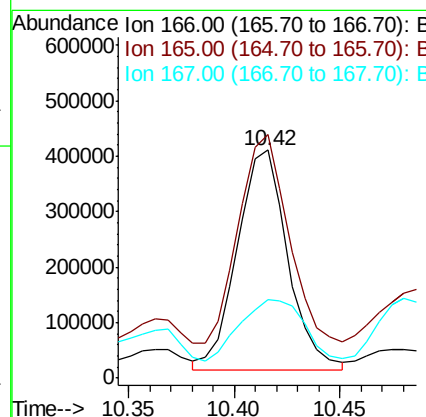
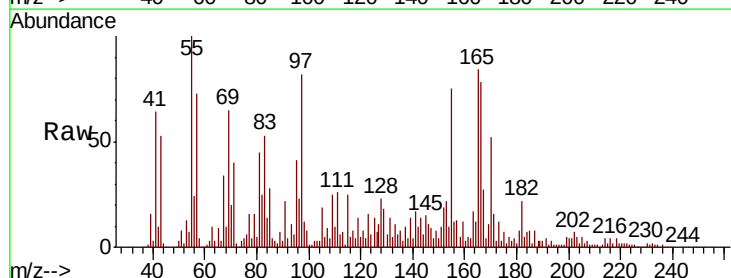
RT: 10.42 min Scan# 1416

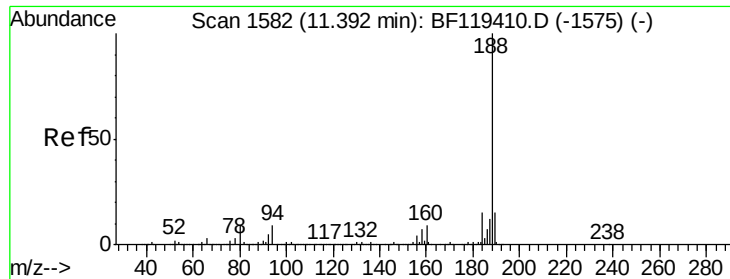
Delta R.T. 0.04 min

Lab File: BF119820.D

Acq: 7 Apr 2020 14:22

Tgt Ion:	166	Resp:	656985
Ion Ratio	Lower	Upper	
166	100		
165	106.9	75.4	113.2
167	34.7	11.2	16.8#





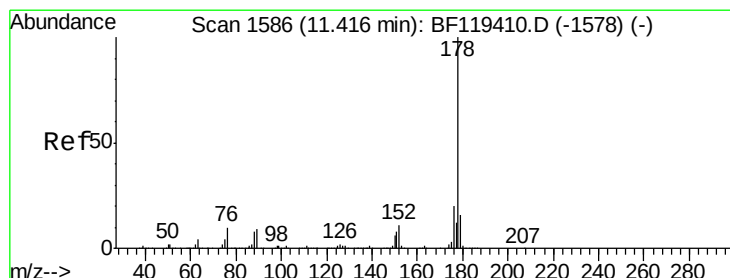
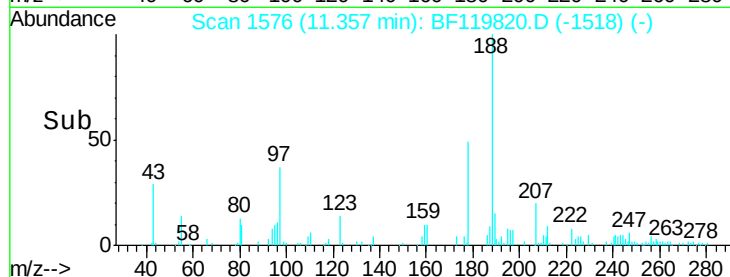
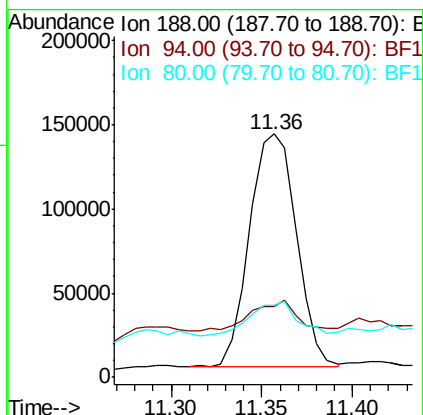
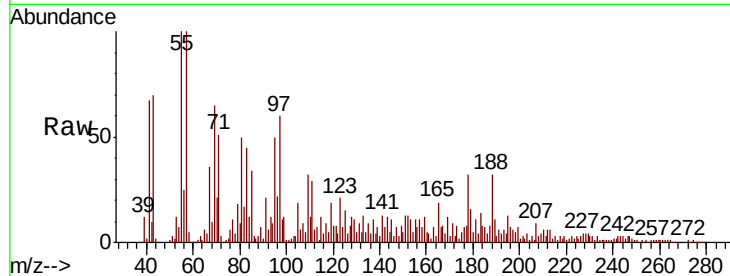
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.04 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Instrument :
BNA_F
ClientSampleId :
SB-3K-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	248856		
94	29.3	7.5	11.3#	
80	29.6	9.0	13.4#	

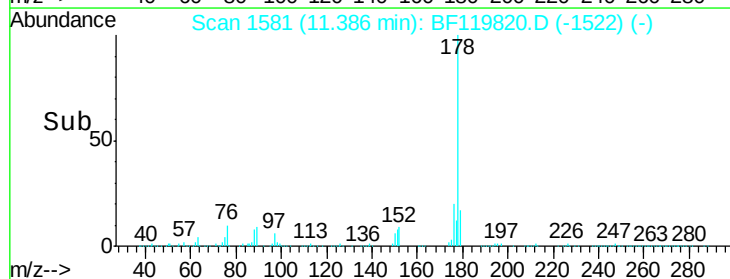
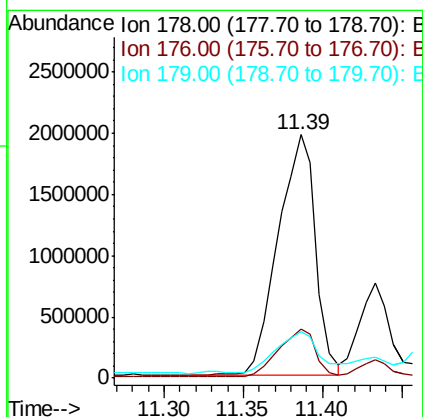
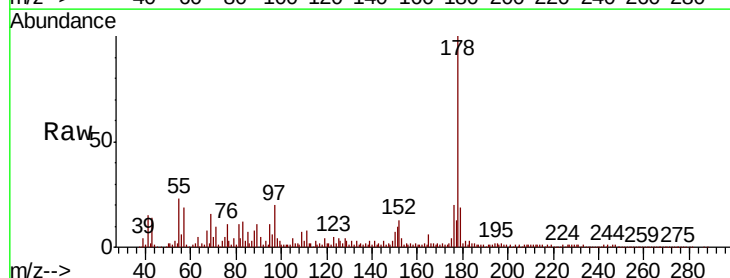
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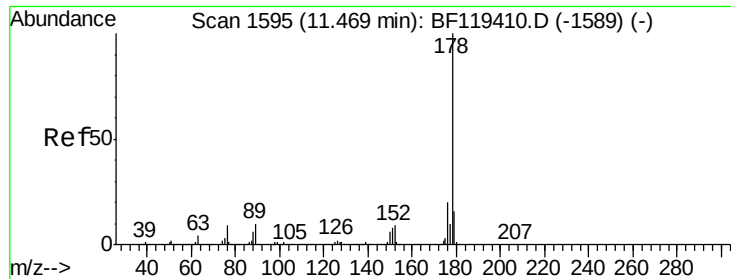
mohammad
4/8/2020 8:13:10 AM



#71
Phenanthrene
Concen: 248.040 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.05 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3200672		
176	20.3	16.2	24.4	
179	19.1	13.2	19.8	





#72

Anthracene

Concen: 76.282 ng/mL

RT: 11.43 min Scan# 1589

Delta R.T. 0.04 min

Lab File: BF119820.D

Acq: 7 Apr 2020 14:22

Instrument :

BNA_F

ClientSampleId :

SB-3K-(0-2)

Tot Ion:178 Resp: 1000413

Ion Ratio Lower Upper

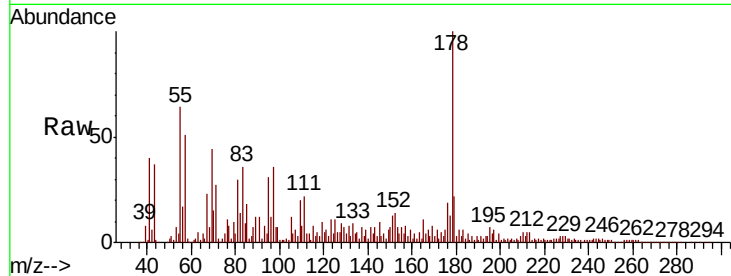
178 100

176 18.8 16.1 24.1

179 21.6 13.0 19.4#

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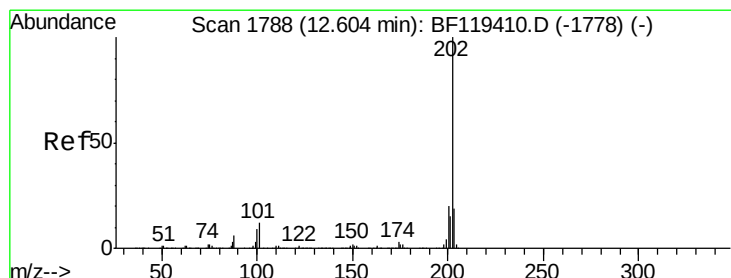
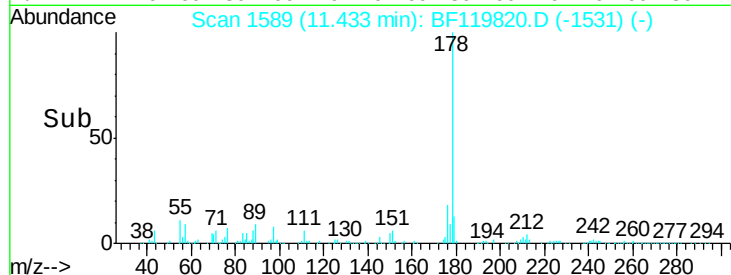
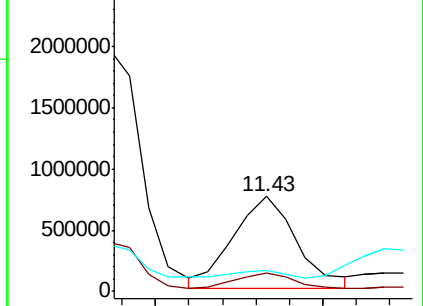
mohammad
4/8/2020 8:13:10 AM



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



#75

Fluoranthene

Concen: 131.325 ng/mL

RT: 12.59 min Scan# 1785

Delta R.T. 0.06 min

Lab File: BF119820.D

Acq: 7 Apr 2020 14:22

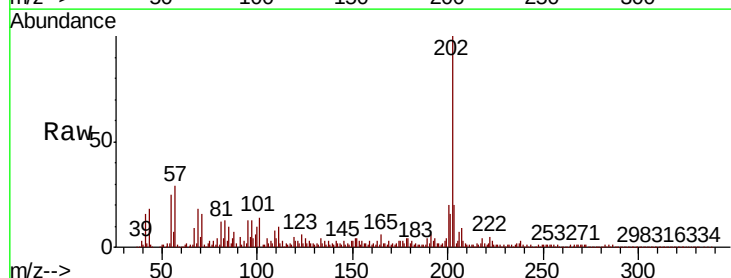
Tgt Ion:202 Resp: 1833963

Ion Ratio Lower Upper

202 100

101 13.7 0.0 32.2

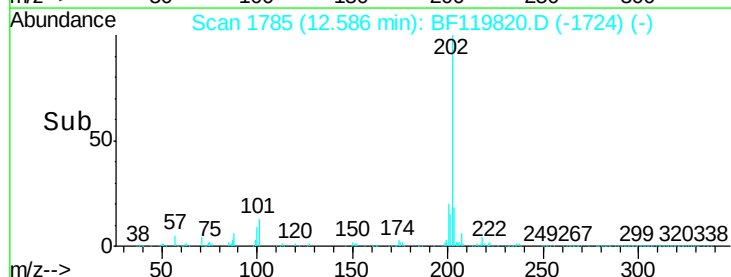
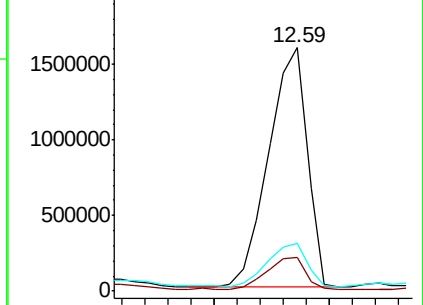
203 19.8 0.0 38.8

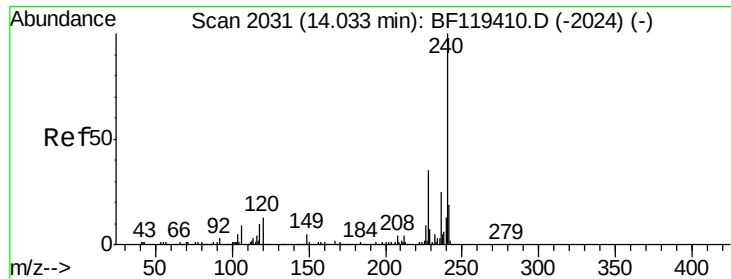


Abundance Ion 202.00 (201.70 to 202.70): E

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. 0.05 min

Lab File: BF119820.D

Acq: 7 Apr 2020 14:22

Instrument :

BNA_F

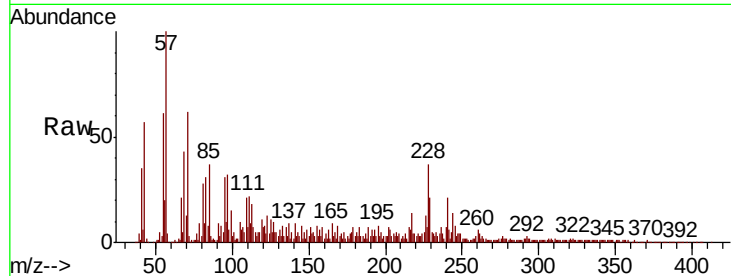
ClientSampleId :

SB-3K-(0-2)

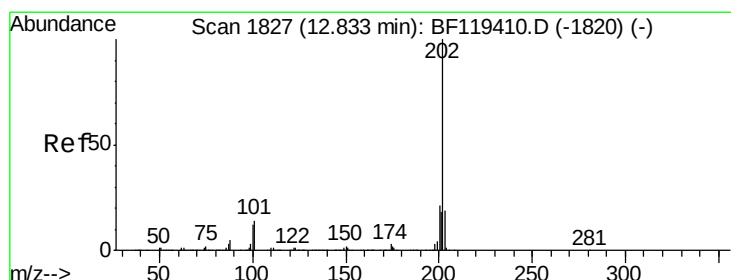
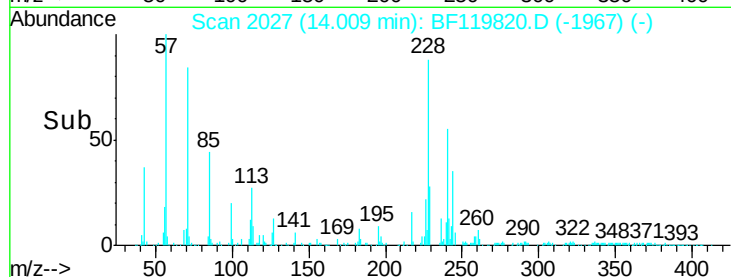
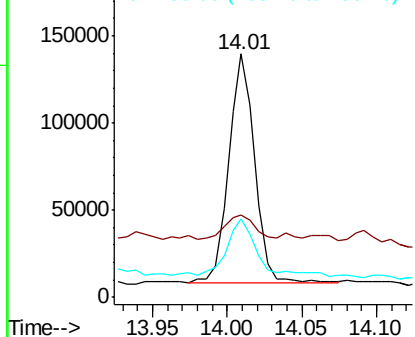
Tot Ion:	240	Resp:	158890
Ion Ratio	Lower	Upper	
240	100		
120	34.0	10.6	15.8#
236	32.4	20.2	30.2#

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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: 144.873 ng

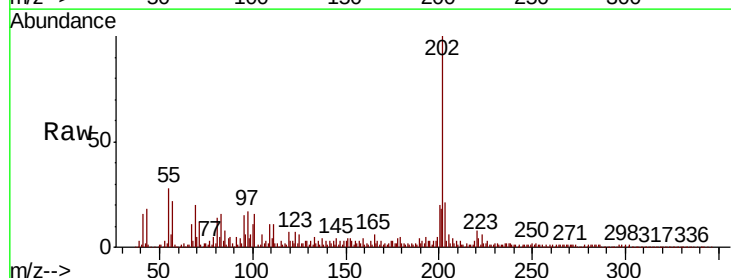
RT: 12.82 min Scan# 1824

Delta R.T. 0.06 min

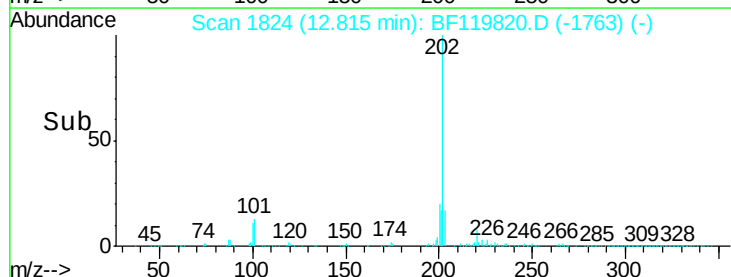
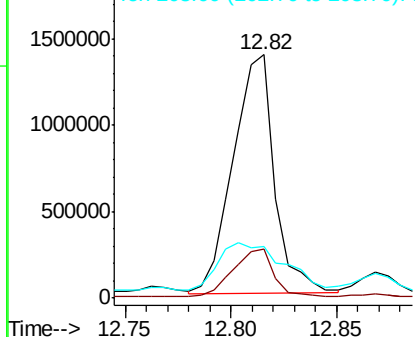
Lab File: BF119820.D

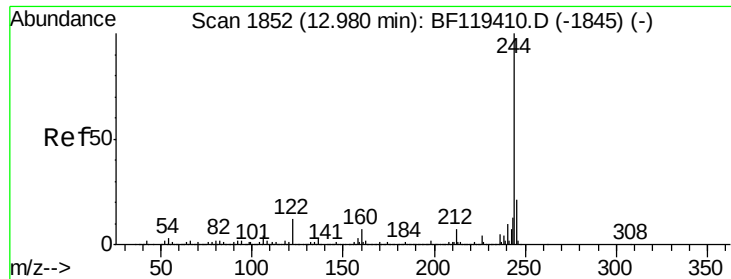
Acq: 7 Apr 2020 14:22

Tgt Ion:	202	Resp:	1889141
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.8	25.2
203	21.2	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





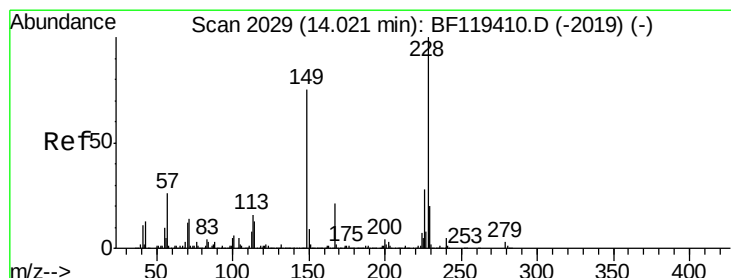
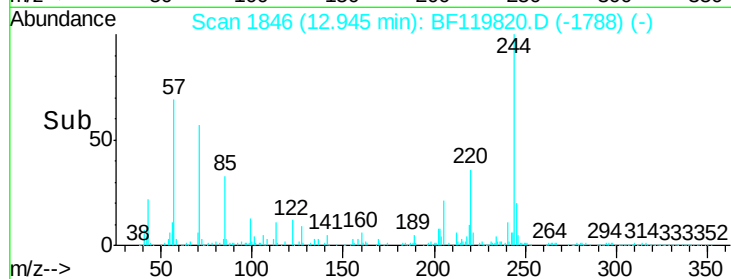
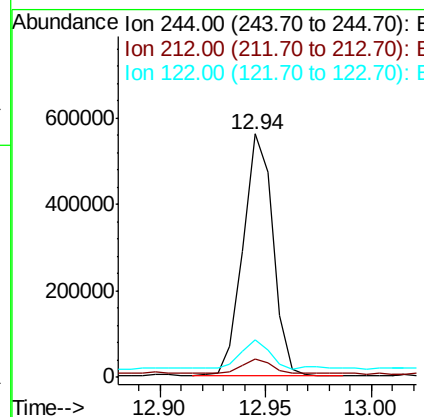
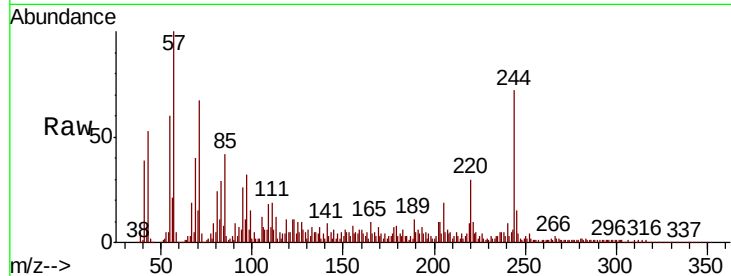
#79
 Terphenyl-d14
 Concen: 67.430 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.04 min
 Lab File: BF119820.D
 Acq: 7 Apr 2020 14:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-3K-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	15.4	10.3	15.5

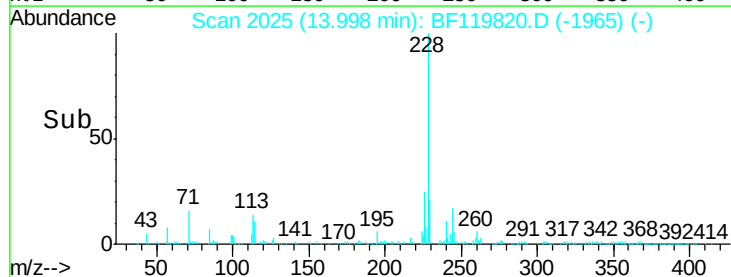
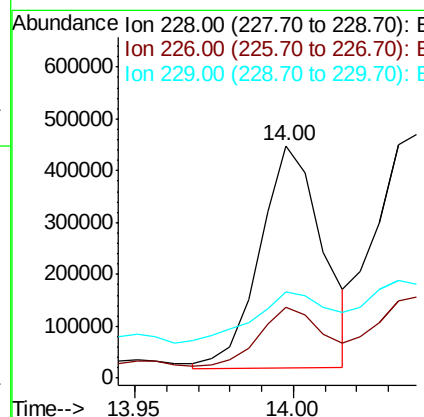
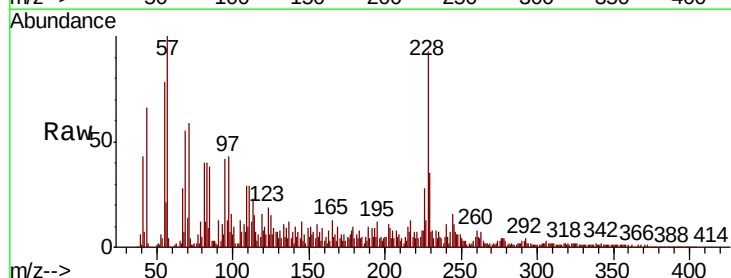
Manual Integrations
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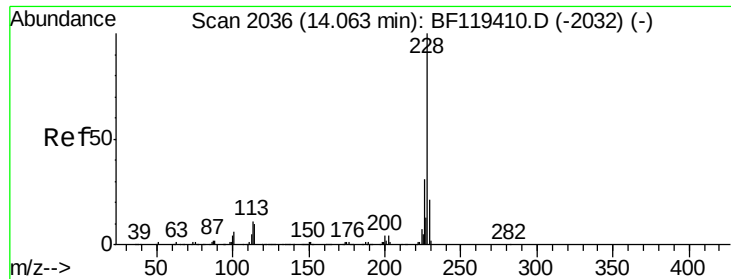
mohammad
 4/8/2020 8:13:10 AM



#81
 Benzo(a)anthracene
 Concen: 57.193 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.05 min
 Lab File: BF119820.D
 Acq: 7 Apr 2020 14:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.8	32.8
229	37.3	16.2	24.4#





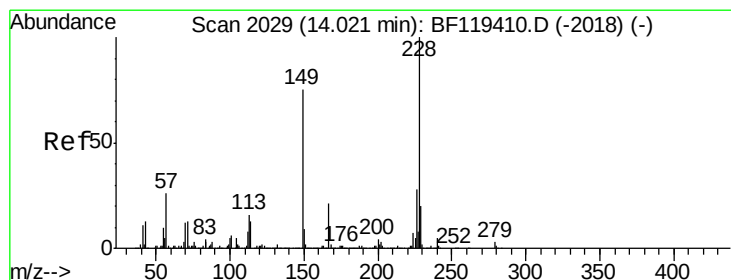
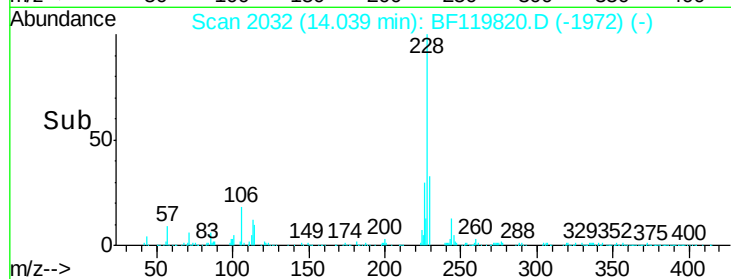
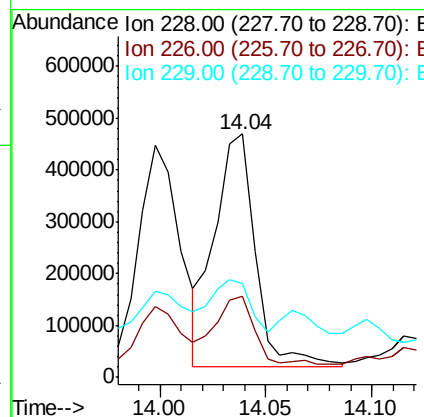
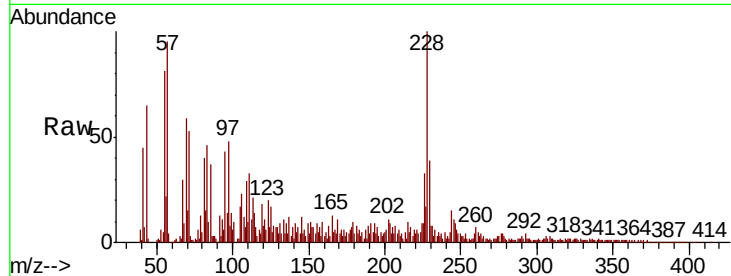
#83
Chrysene
Concen: 56.842 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.05 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Instrument :
BNA_F
ClientSampleId :
SB-3K-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	25.4	38.0
229	38.7	16.6	24.8

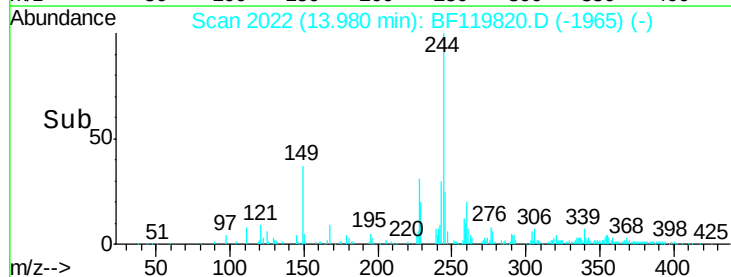
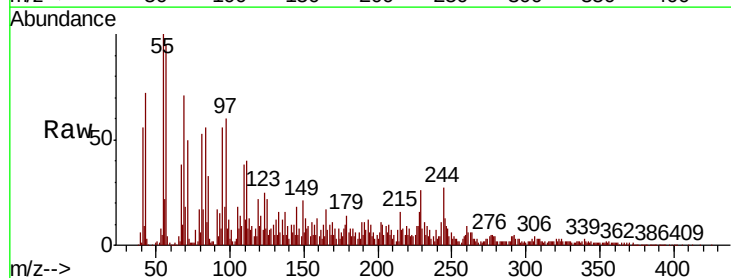
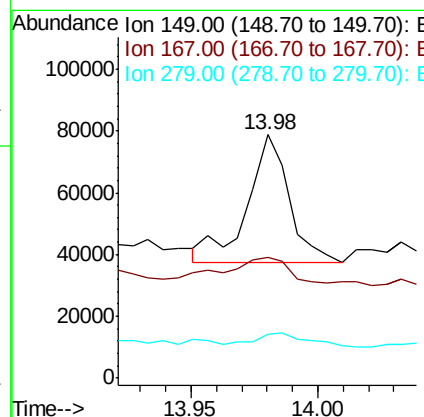
Manual Integrations
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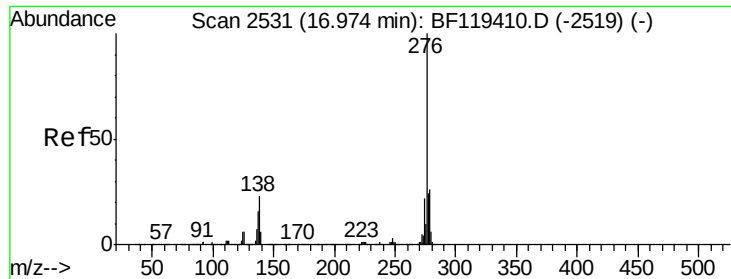
mohammad
4/8/2020 8:13:10 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.517 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.04 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	49.8	21.3	31.9
279	18.0	2.7	4.1





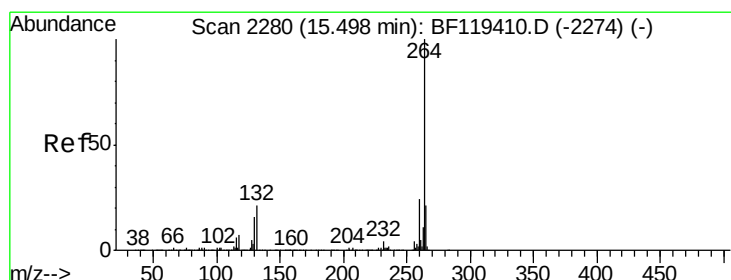
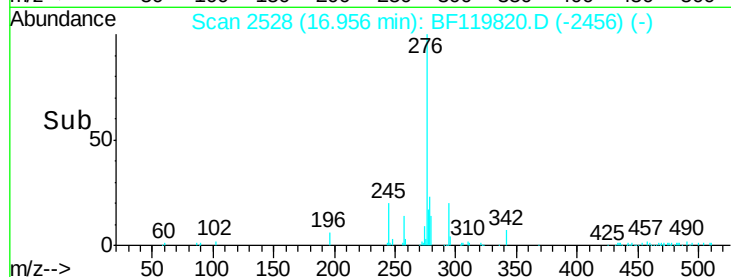
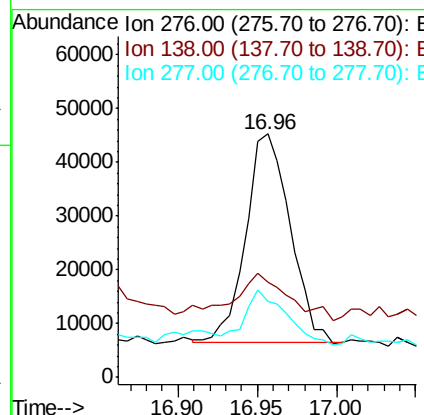
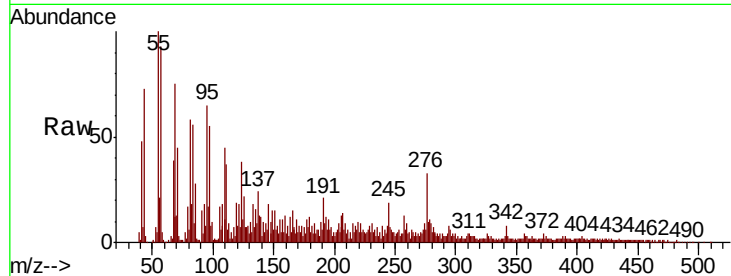
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.501 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.12 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Instrument :
BNA_F
ClientSampleId :
SB-3K-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.5	19.6	29.4
277	25.4	20.0	30.0

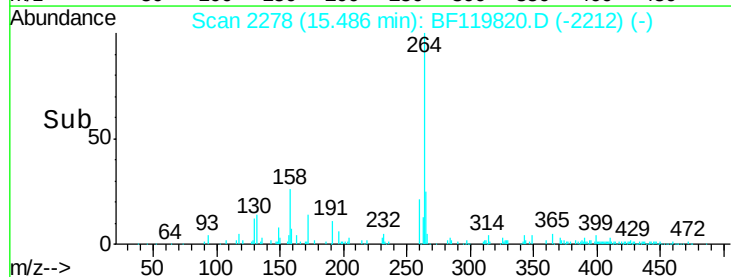
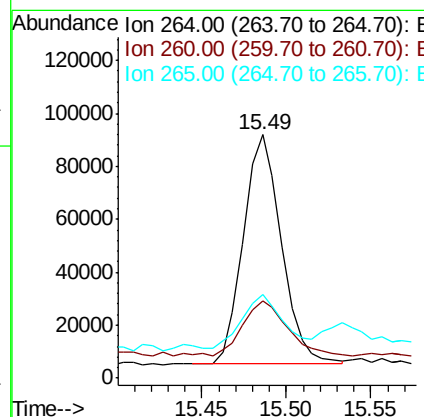
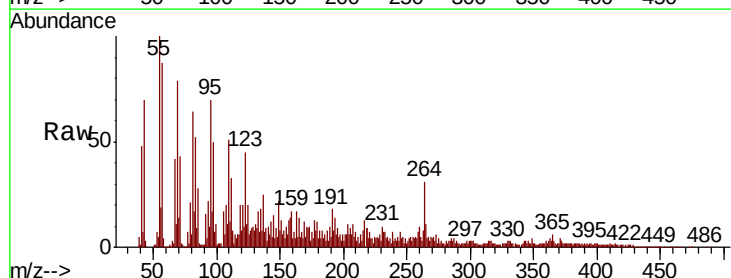
Manual Integrations
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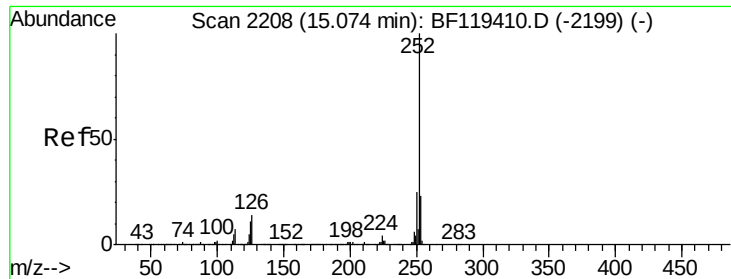
mohammad
4/8/2020 8:13:10 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.09 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	31.5	18.7	28.1#
265	34.4	17.7	26.5#





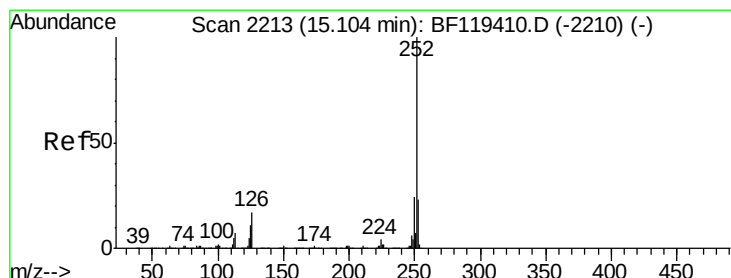
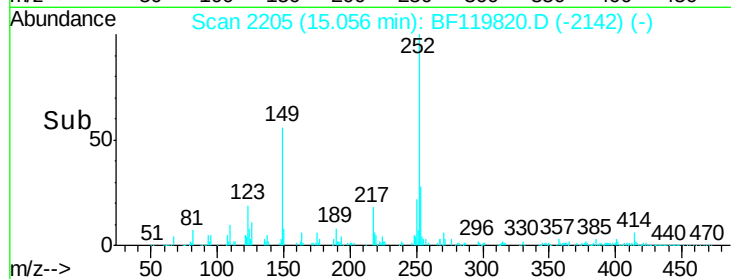
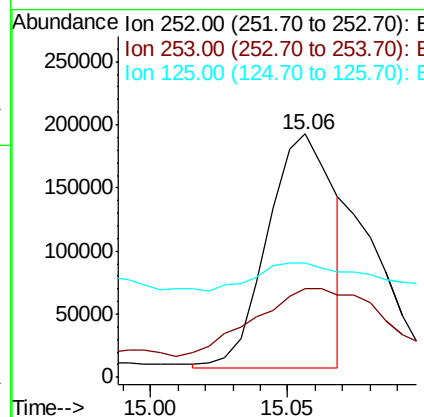
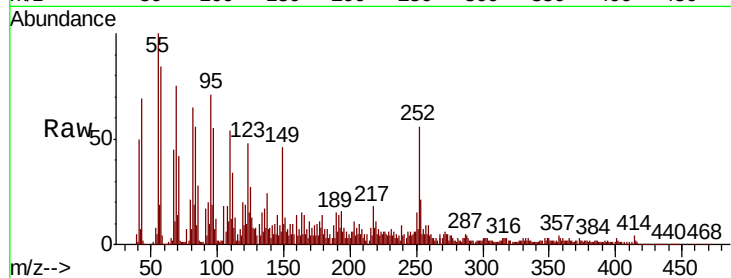
#88
Benzo(b)fluoranthene
Concen: 34.550 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.07 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Instrument :
BNA_F
ClientSampleId :
SB-3K-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.4	17.4	26.0#
125	47.0	7.9	11.9#

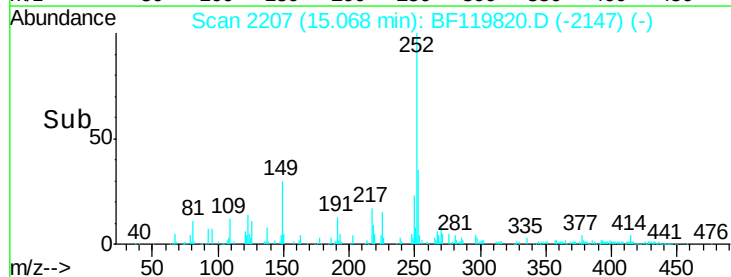
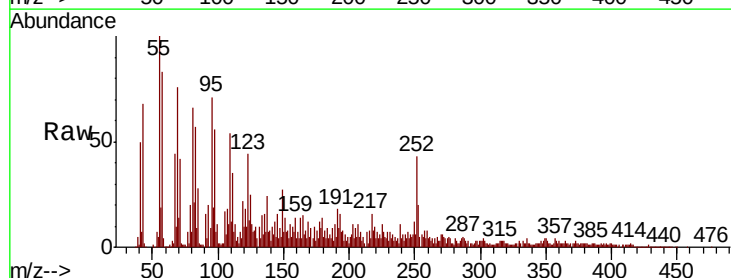
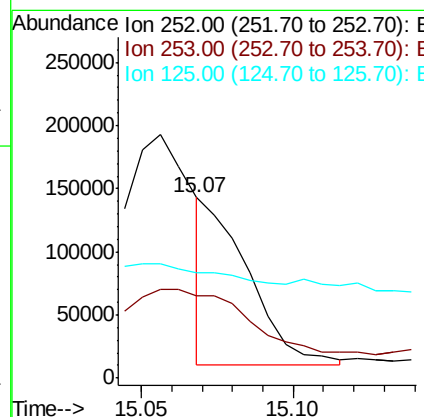
Manual Integrations
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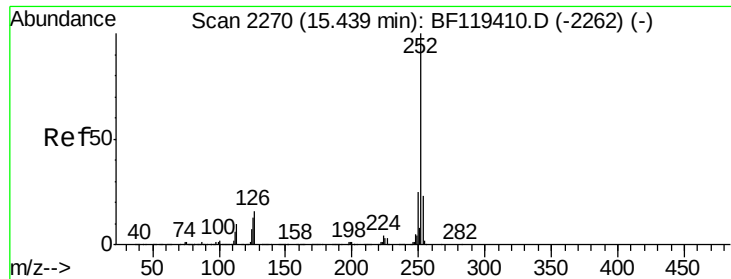
mohammad
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#89
Benzo(k)fluoranthene
Concen: 15.083 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.05 min
Lab File: BF119820.D
Acq: 7 Apr 2020 14:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.4	17.8	26.6#
125	58.1	8.4	12.6#





#90

Benzo(a)pyrene

Concen: 29.094 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.08 min

Lab File: BF119820.D

Acq: 7 Apr 2020 14:22

Instrument :

BNA_F

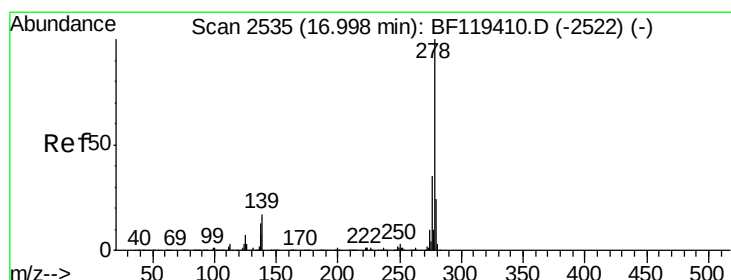
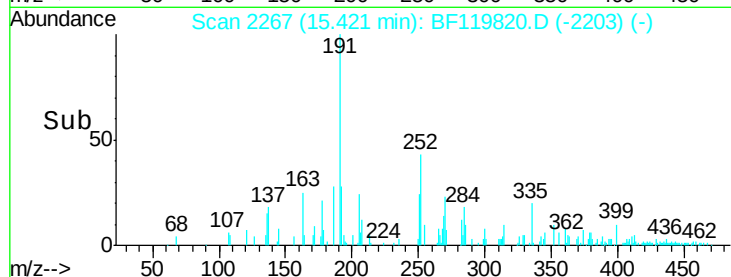
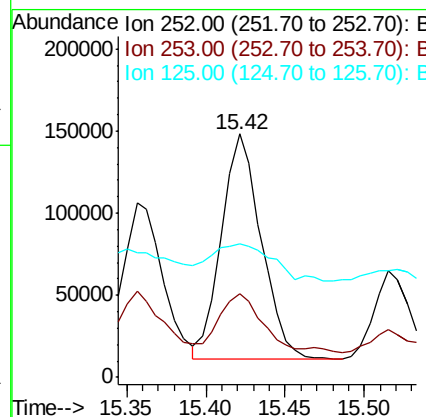
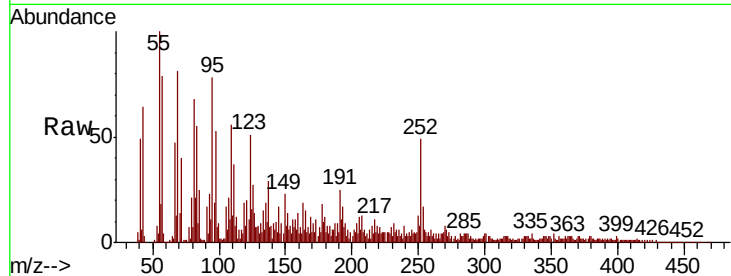
ClientSampleId :

SB-3K-(0-2)

Tot Ion:	252	Resp:	240189
Ion Ratio	Lower	Upper	
252	100		
253	34.6	18.2	27.2#
125	54.9	9.4	14.2#

Manual Integrations
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mohammad
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#91

Dibenzo(a,h)anthracene

Concen: 3.677 ng

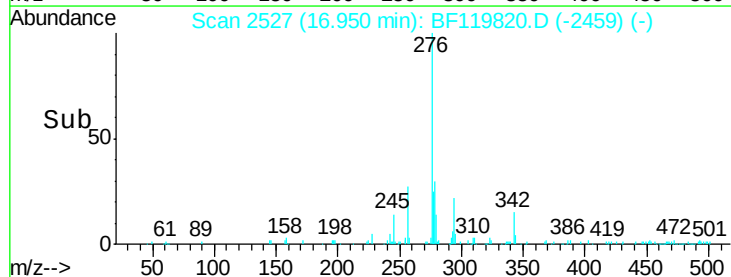
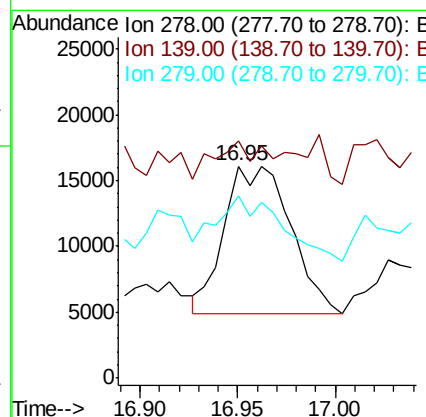
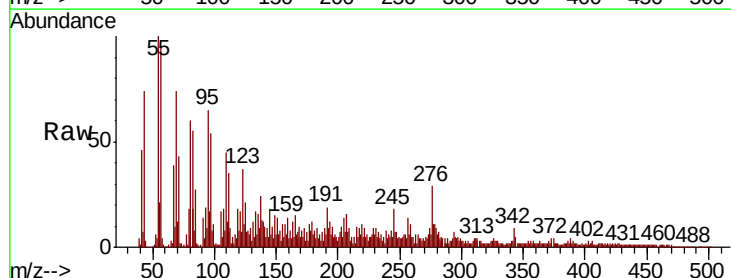
RT: 16.95 min Scan# 2527

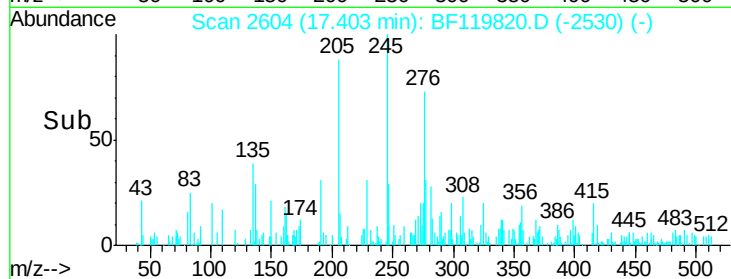
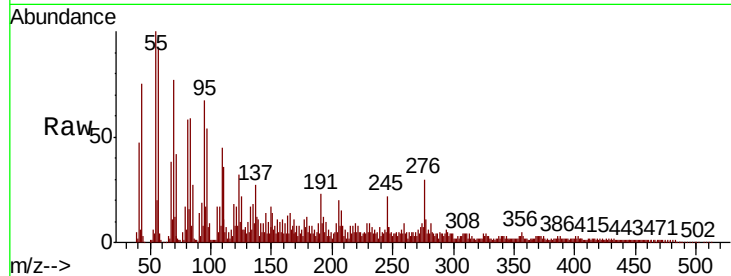
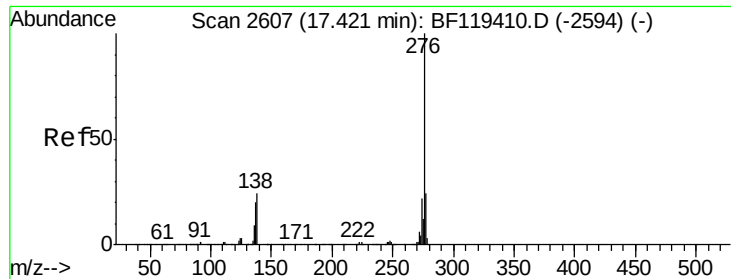
Delta R.T. 0.10 min

Lab File: BF119820.D

Acq: 7 Apr 2020 14:22

Tgt Ion:	278	Resp:	26548
Ion Ratio	Lower	Upper	
278	100		
139	111.8	12.6	19.0#
279	86.3	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 11.579 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.14 min
 Lab File: BF119820.D
 Acq: 7 Apr 2020 14:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-3K-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	37.3	18.4	27.6#
138	40.1	15.4	23.0#

Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:13:10 AM

