

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119825.D
 Acq On : 7 Apr 2020 16:36
 Operator : MA/SJ
 Sample : L2129-01DL 5X
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

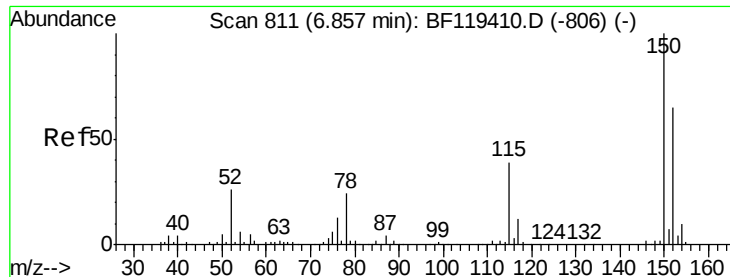
Manual Integrations
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 4/8/2020 8:13:27 AM

Quant Time: Apr 08 01:04:03 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	105959	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	392466	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	212943	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	318557	20.00	ng	0.00
76) Chrysene-d12	13.96	240	258494	20.00	ng	0.00
87) Perylene-d12	15.41	264	196775	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	234317	35.20	ng	0.00
7) Phenol-d6	6.41	99	298285	35.08	ng	0.00
23) Nitrobenzene-d5	7.35	82	170371	23.59	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	64155	29.20	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	405962	28.24	ng	0.00
79) Terphenyl-d14	12.90	244	298094	22.59	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.55	163	32479	2.147	ng	99
71) Phenanthrene	11.35	178	314313	19.028	ng	97
72) Anthracene	11.39	178	82646	4.923	ng	95
75) Fluoranthene	12.53	202	688981	38.541	ng	97
78) Pyrene	12.76	202	665634	31.377	ng	98
81) Benzo(a)anthracene	13.96	228	350856	20.873	ng	97
83) Chrysene	13.99	228	332554	19.170	ng	96
86) Indeno(1,2,3-cd)pyrene	16.84	276	108550m	6.644	ng	
88) Benzo(b)fluoranthene	14.99	252	322198m	24.512	ng	
89) Benzo(k)fluoranthene	15.02	252	108238m	8.648	ng	
90) Benzo(a)pyrene	15.35	252	227083	19.010	ng	98
91) Dibenzo(a,h)anthracene	16.85	278	27374	2.620	ng	# 86
92) Benzo(a,h,i)perylene	17.27	276	106404	10.137	ng	97

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



#1

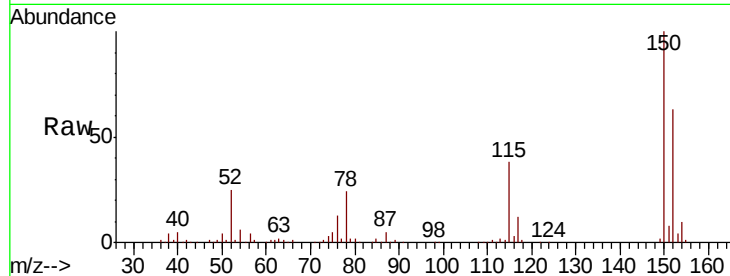
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
TP-9DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.5	186.7
115	59.5	49.6	74.4

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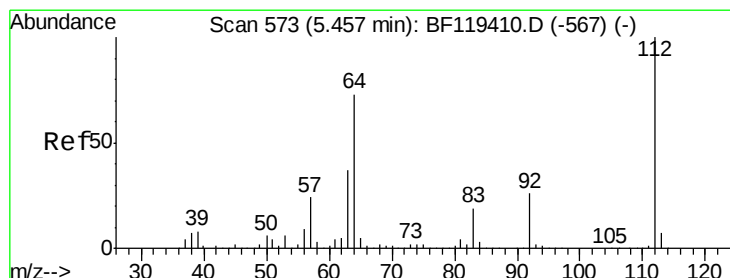
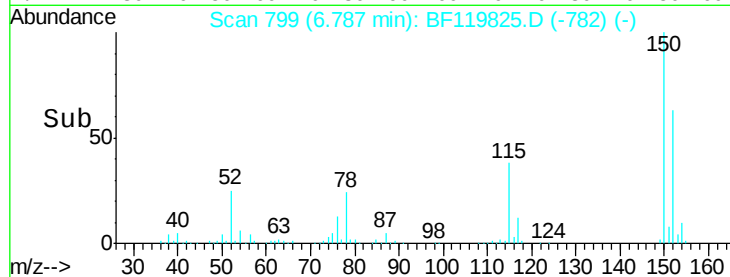
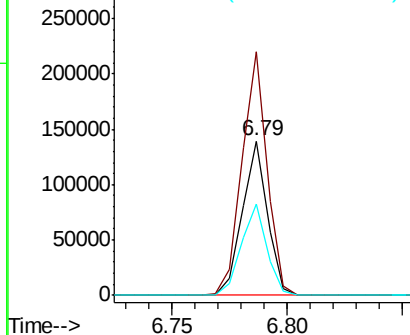


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

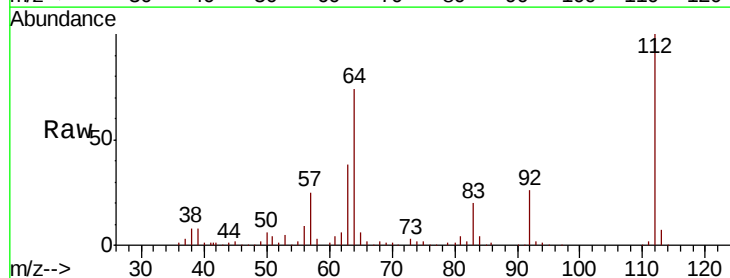
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 35.203 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.2	56.7	85.1
63	38.1	29.5	44.3

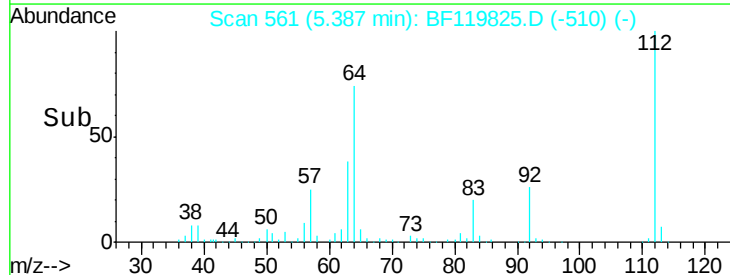
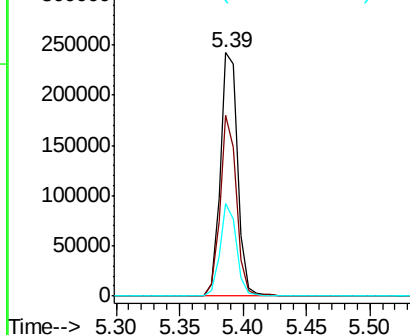


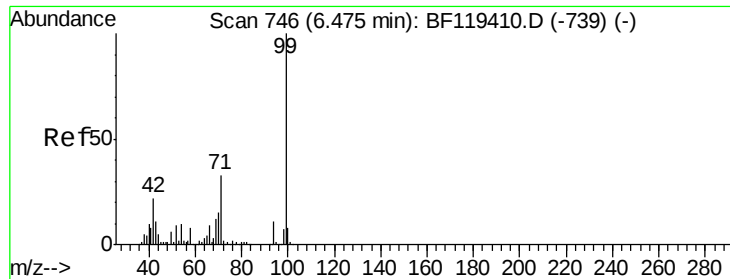
Abundance

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: 35.081 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

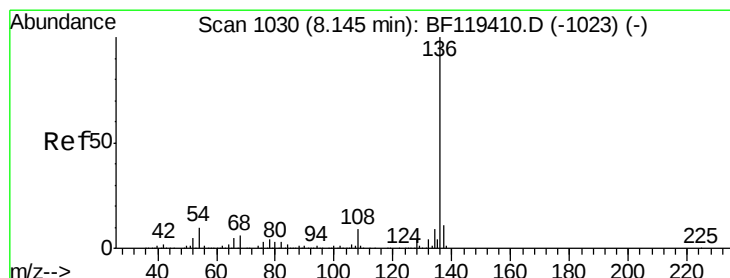
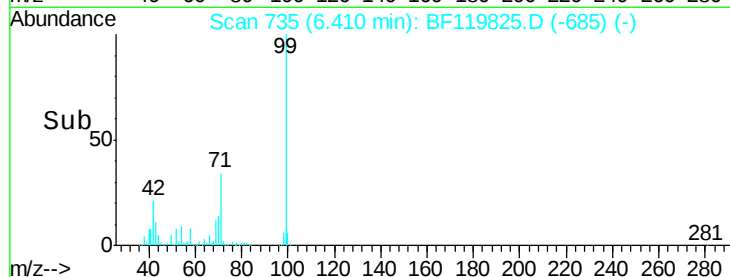
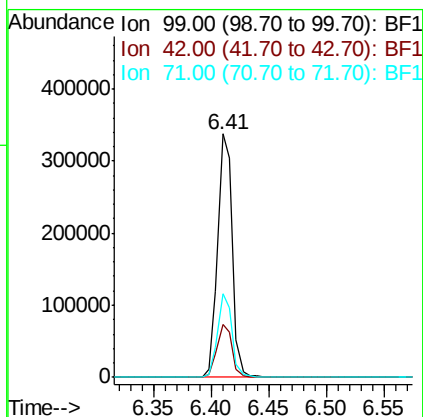
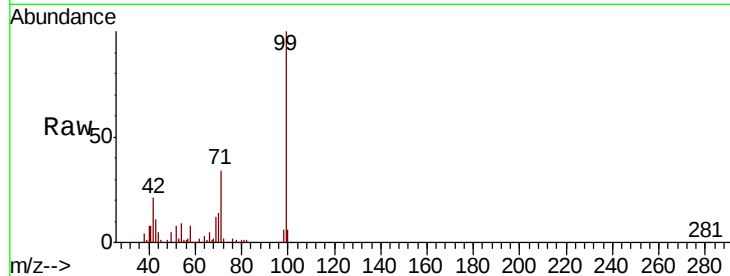
ClientSampled :

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Tot Ion:	99	Resp:	298285
Ion Ratio	Lower	Upper	
99	100		
42	21.5	16.6	24.8
71	34.4	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

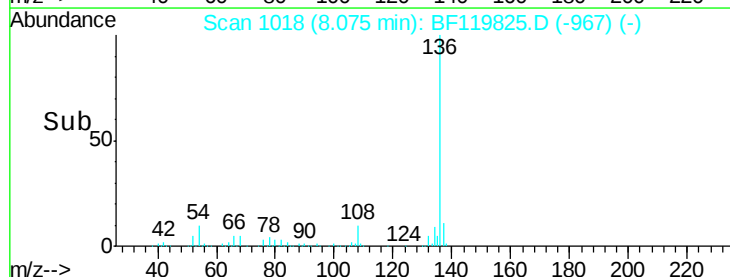
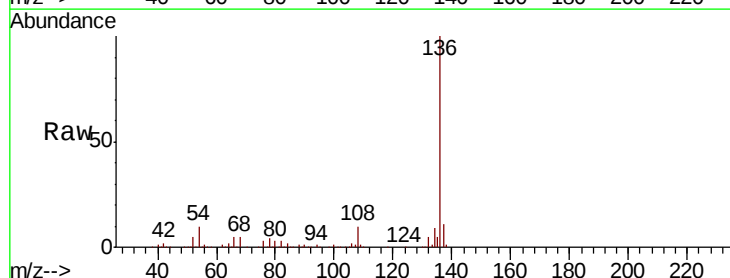
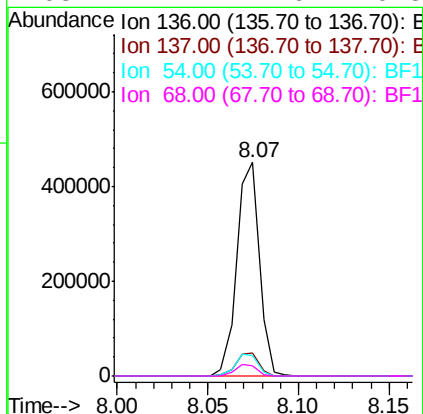
RT: 8.07 min Scan# 1018

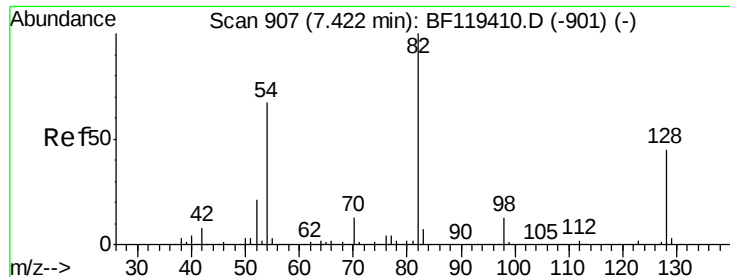
Delta R.T. 0.00 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Tgt Ion:	136	Resp:	392466
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	9.5	9.1	13.7
68	4.7	4.6	6.8





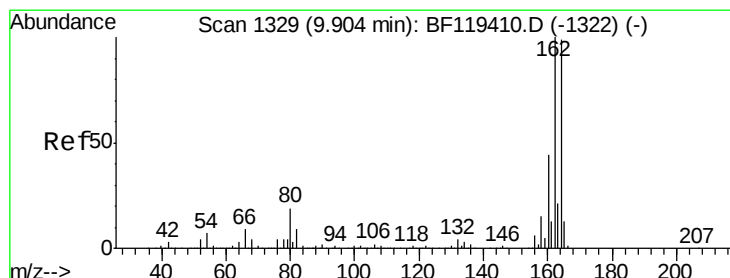
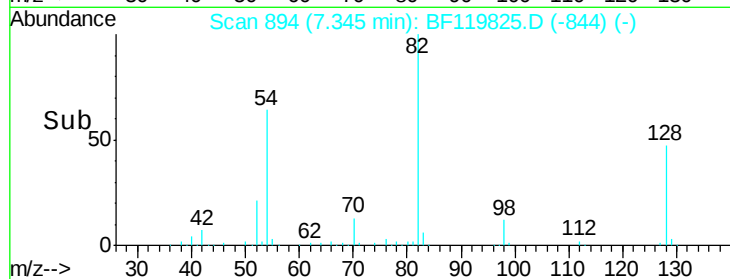
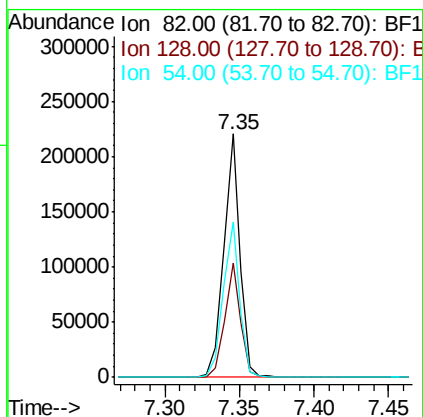
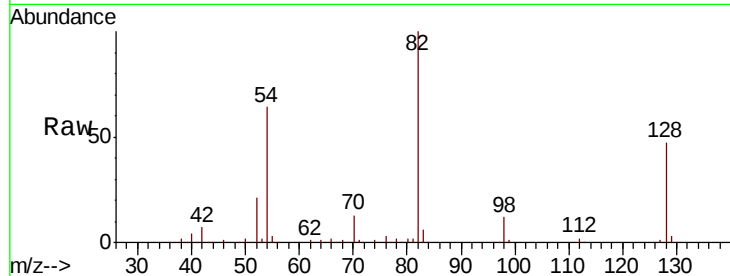
#23
Nitrobenzene-d5
Concen: 23.593 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
TP-9DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.3	54.5
54	63.9	50.6	75.8

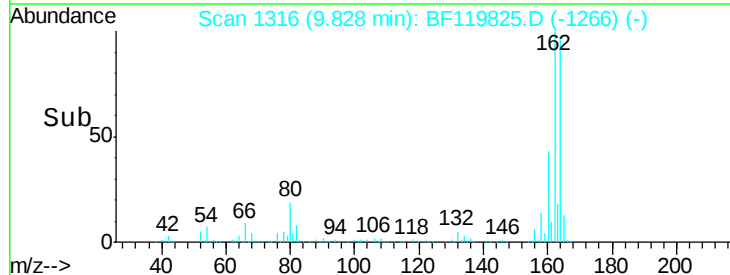
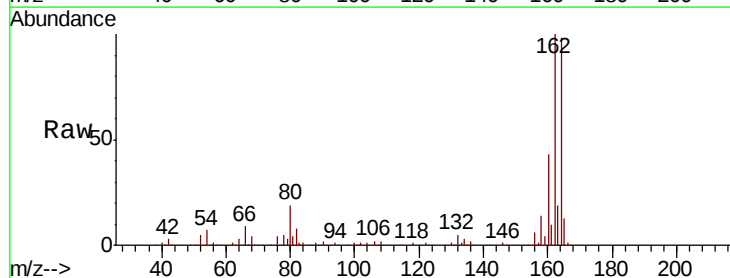
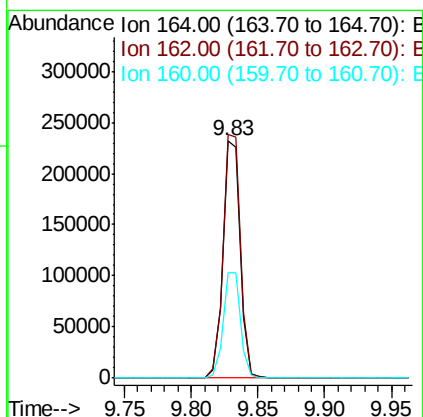
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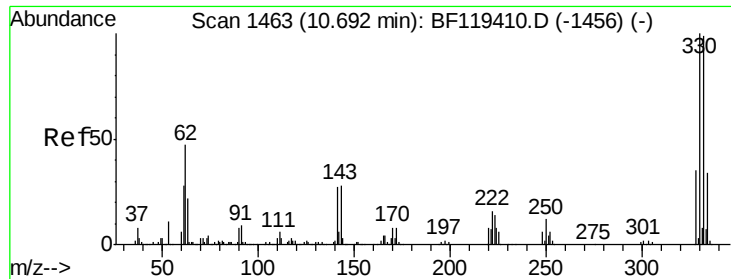
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	121.0
160	44.5	35.7	53.5





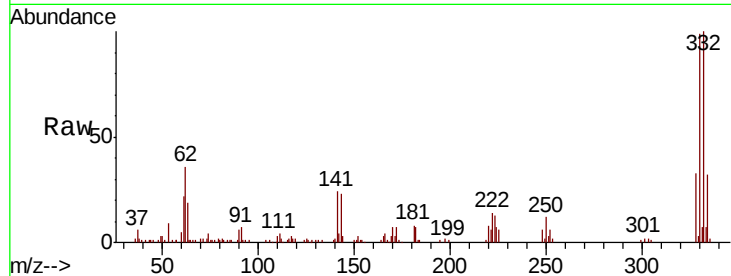
#42
 2,4,6-Tribromophenol
 Concen: 29.203 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF119825.D
 Acq: 7 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	64155		
332	96.9		75.7	113.5
141	32.4		25.4	38.0

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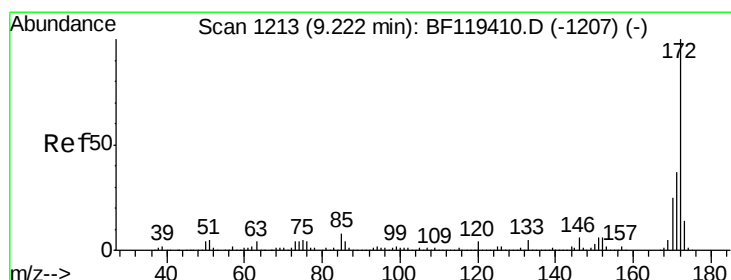
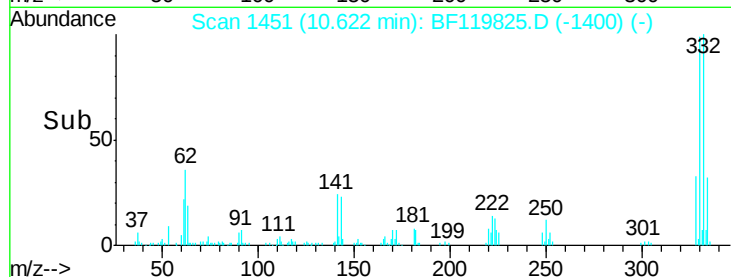
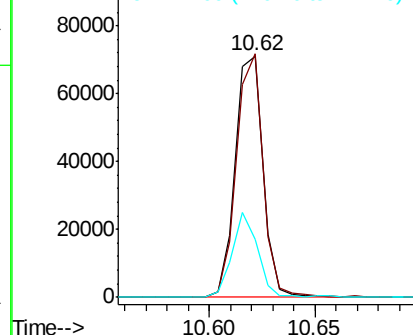


Abundance

Ion 329.80 (329.50 to 330.50): E

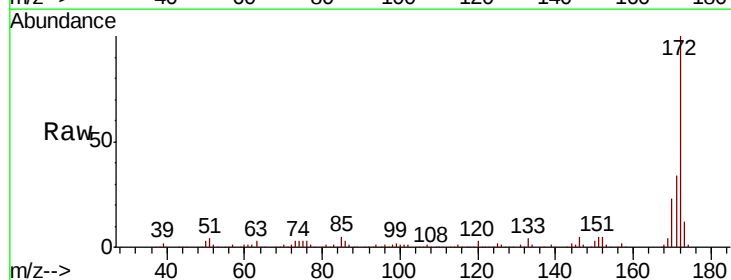
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 28.243 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF119825.D
 Acq: 7 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	405962		
171	34.1		29.6	44.4
170	22.7		20.2	30.2

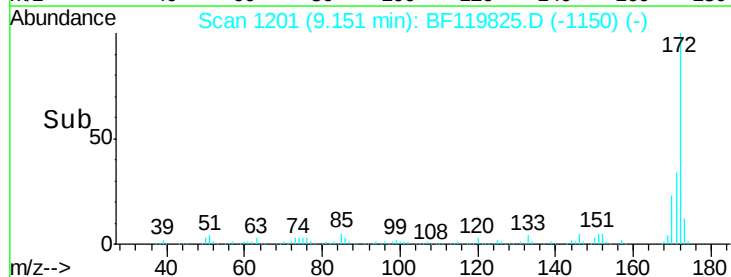
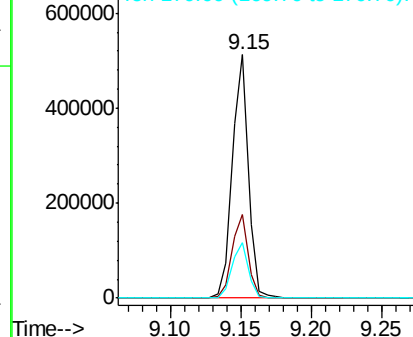


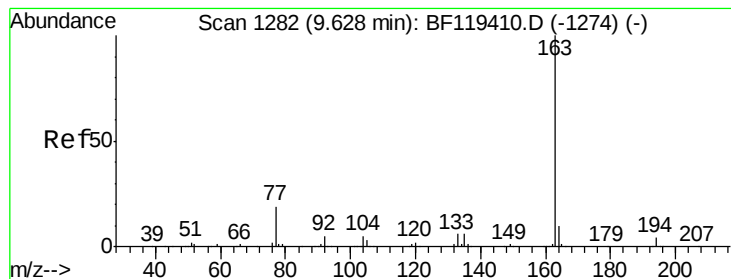
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.147 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

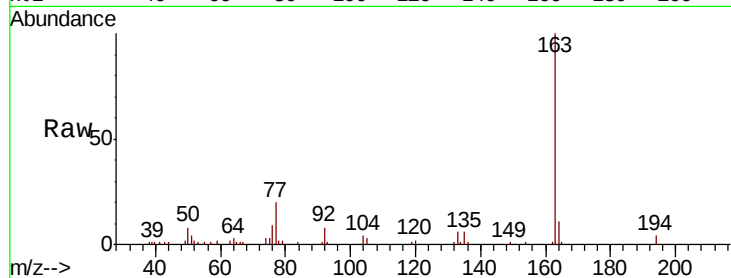
ClientSampled :

TP-9DL

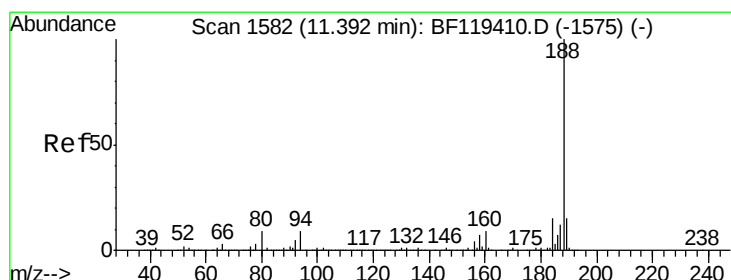
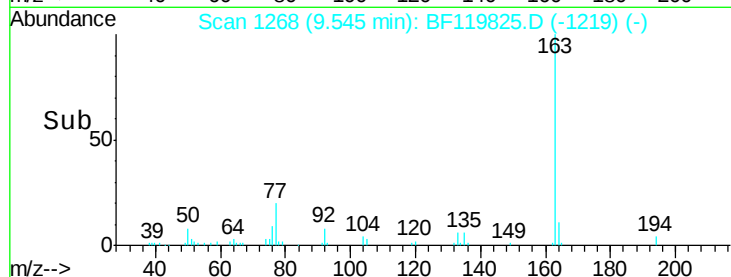
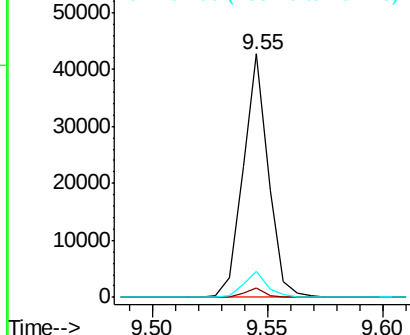
Tot Ion:	163	Resp:	32479
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.1	4.7
164	10.7	8.2	12.2

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

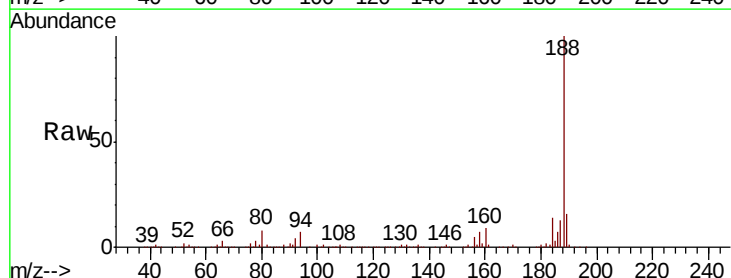
RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

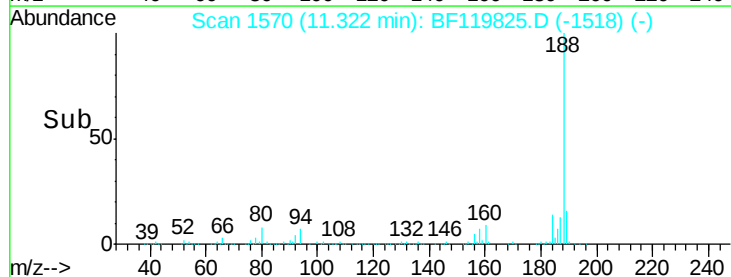
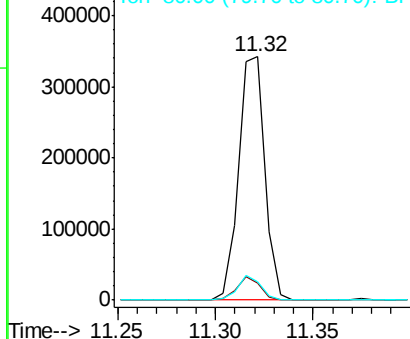
Lab File: BF119825.D

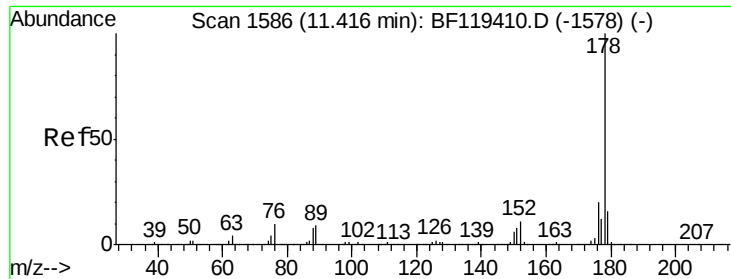
Acq: 7 Apr 2020 16:36

Tgt Ion:	188	Resp:	318557
Ion Ratio	Lower	Upper	
188	100		
94	7.2	7.5	11.3#
80	7.7	9.0	13.4#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





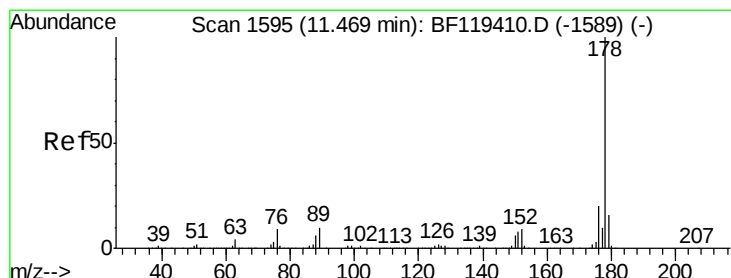
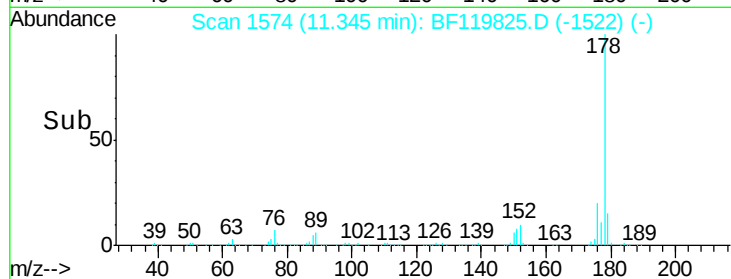
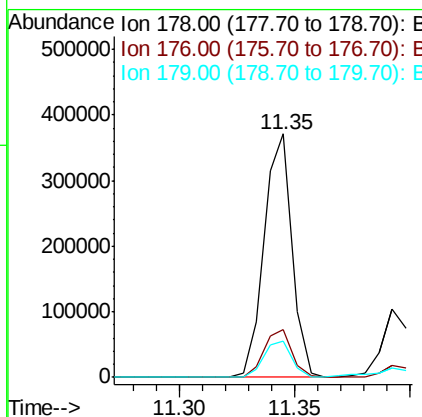
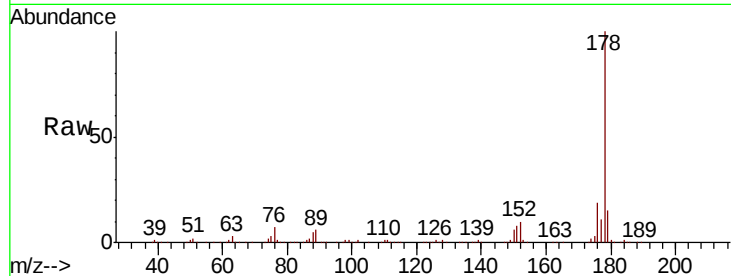
#71
Phenanthrene
Concen: 19.028 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	14.9	13.2	19.8

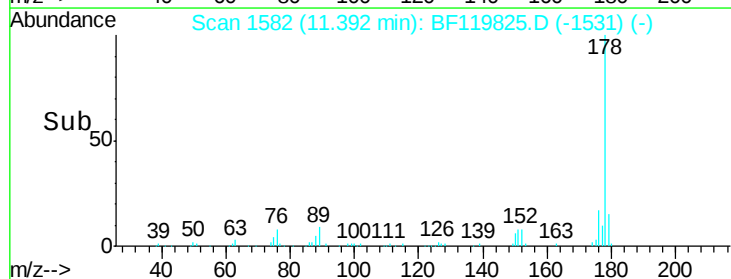
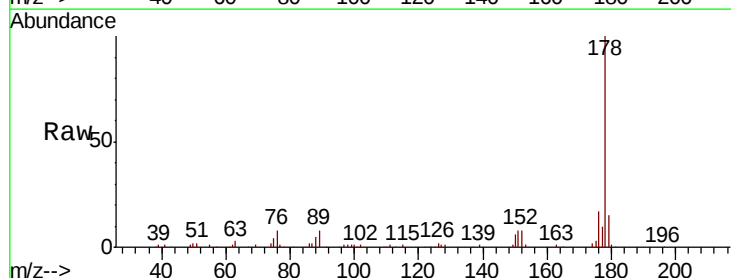
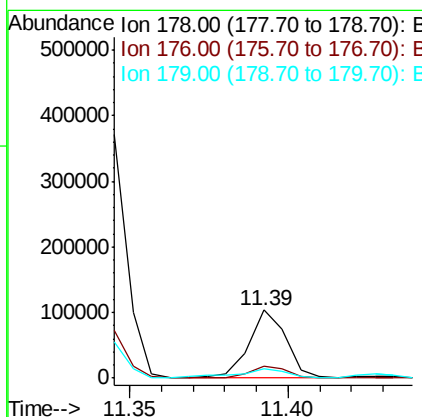
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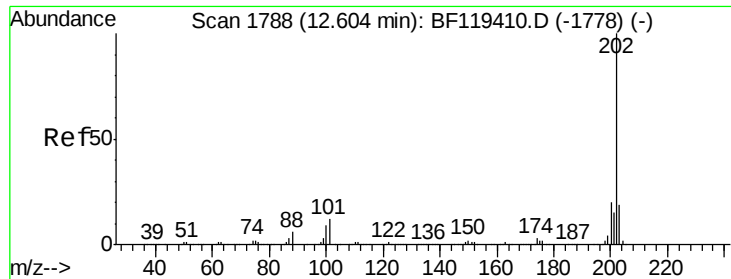
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#72
Anthracene
Concen: 4.923 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	16.1	24.1
179	14.6	13.0	19.4





#75

Fluoranthene

Concen: 38.541 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF119825.D

Acq: 7 Apr 2020 16:36

Instrument :

BNA_F

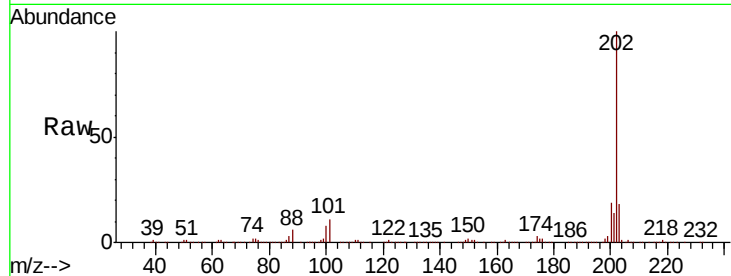
ClientSampled :

TP-9DL

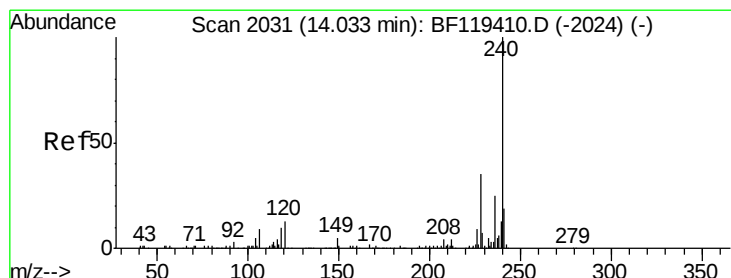
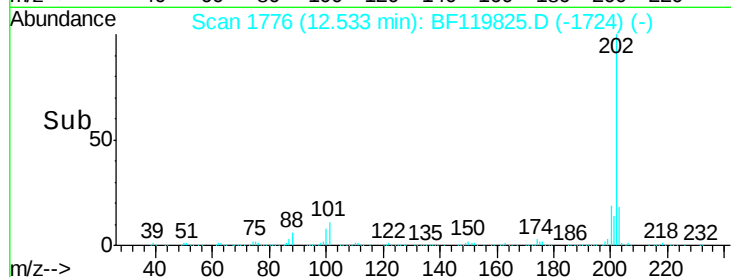
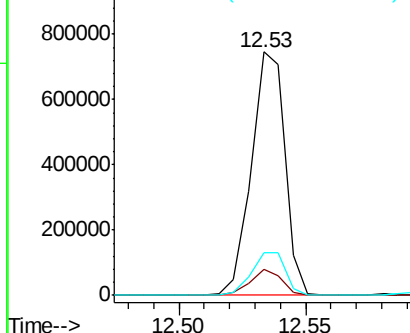
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		688981		
101	10.9	0.0	32.2		
203	17.6	0.0	38.8		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

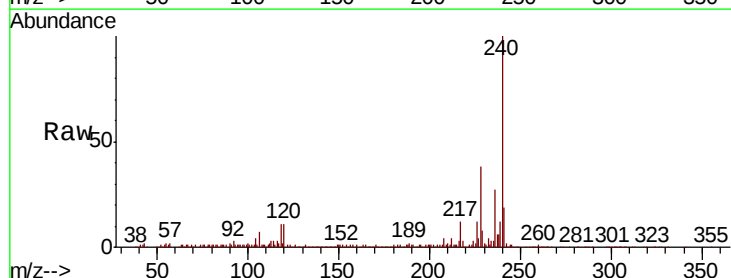
RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

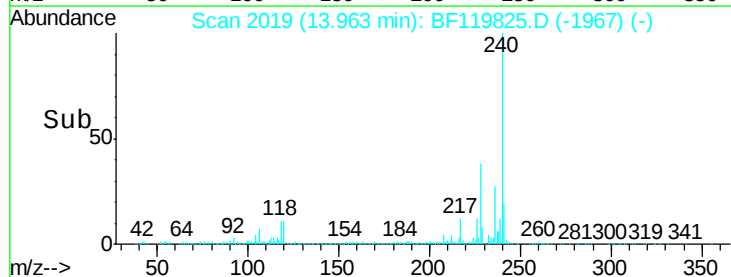
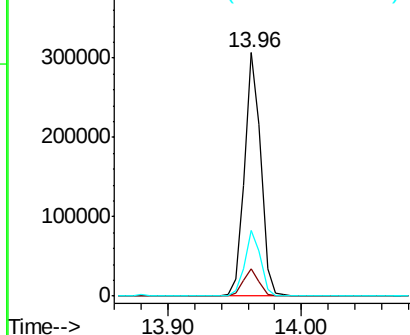
Lab File: BF119825.D

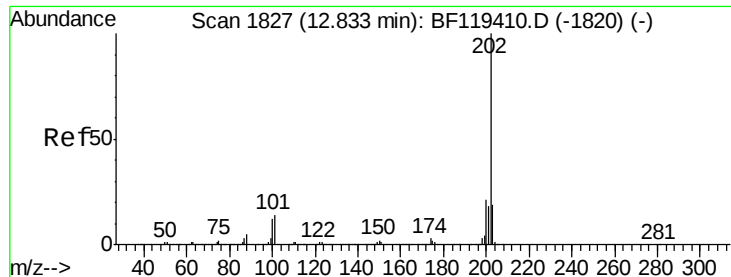
Acq: 7 Apr 2020 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		258494		
120	11.0	10.6	15.8		
236	26.9	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





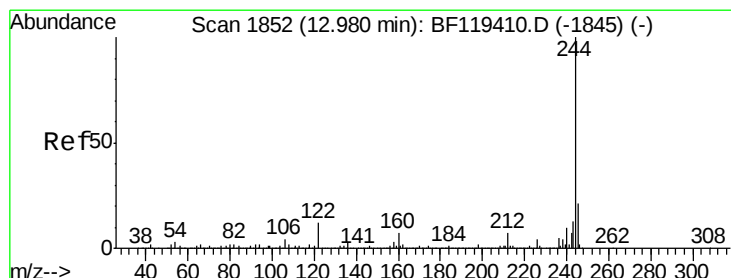
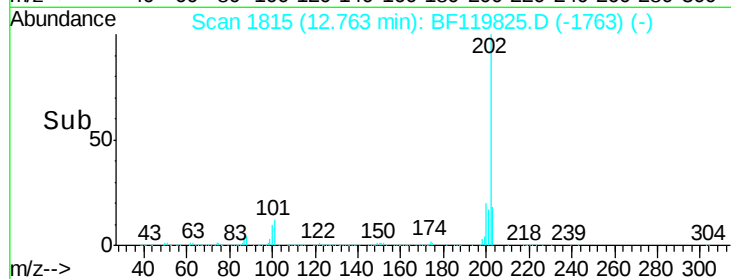
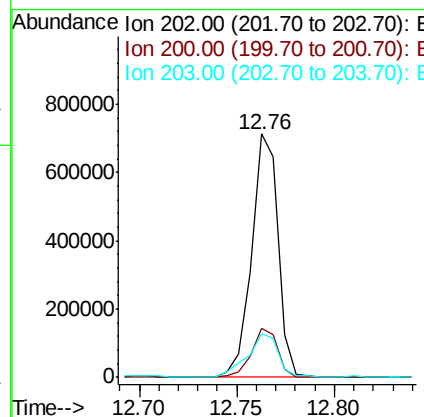
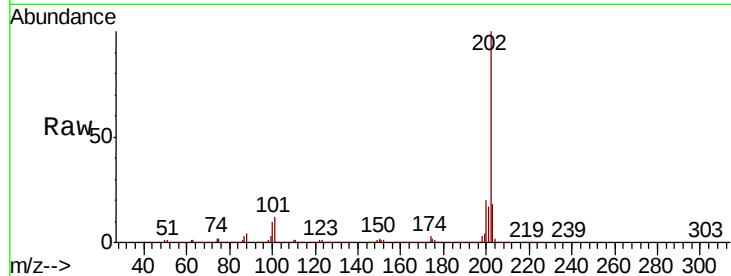
#78
Pvrene
Concen: 31.377 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	16.8	25.2
203	17.9	15.1	22.7

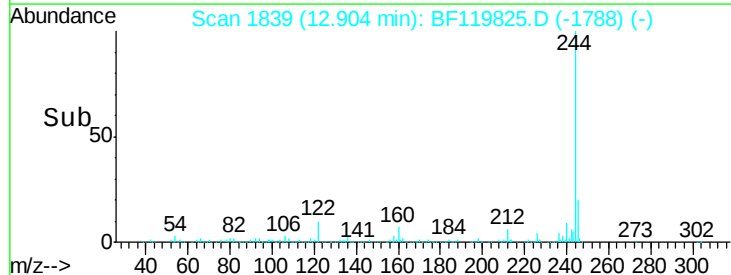
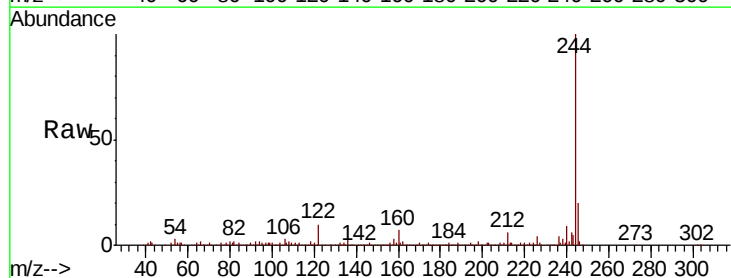
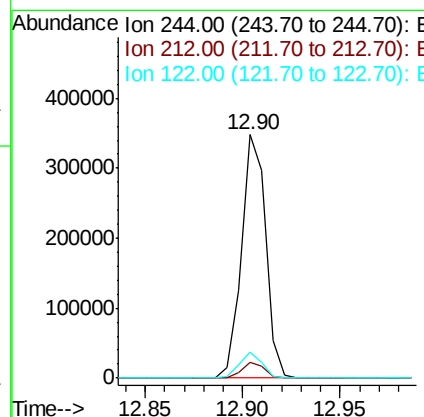
Manual Integrations
APPROVED

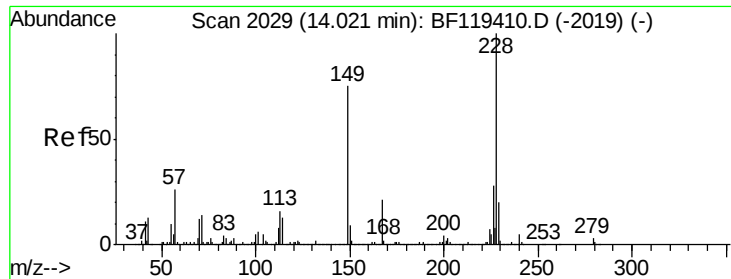
mohammad
4/8/2020 8:13:27 AM



#79
Terphenyl-d14
Concen: 22.594 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.5	10.3	15.5





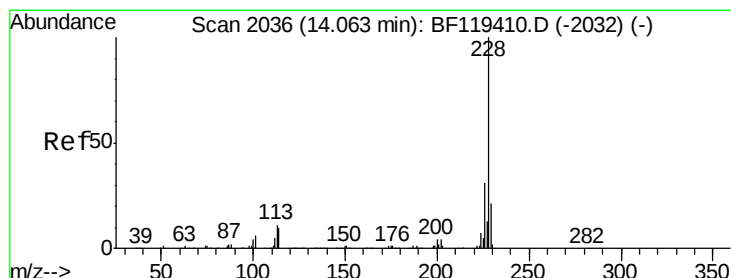
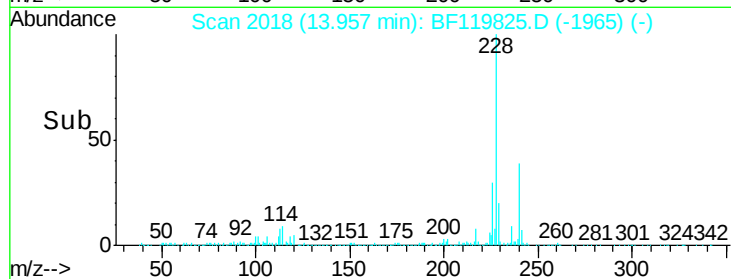
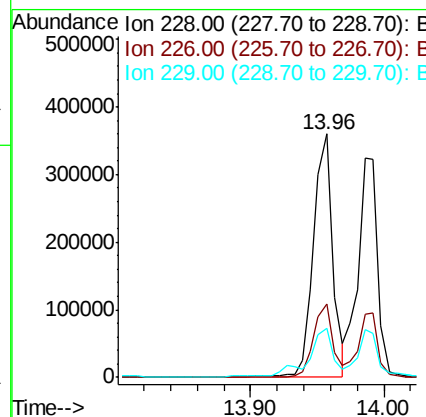
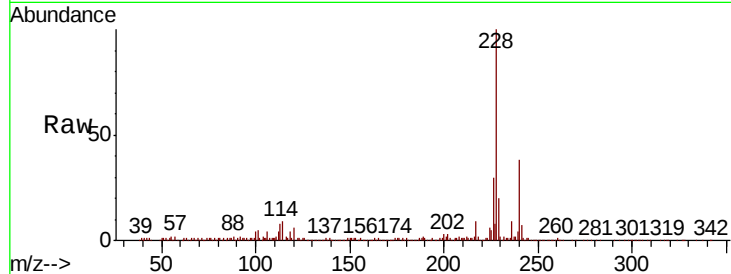
#81
Benzo(a)anthracene
Concen: 20.873 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.8	32.8
229	20.3	16.2	24.4

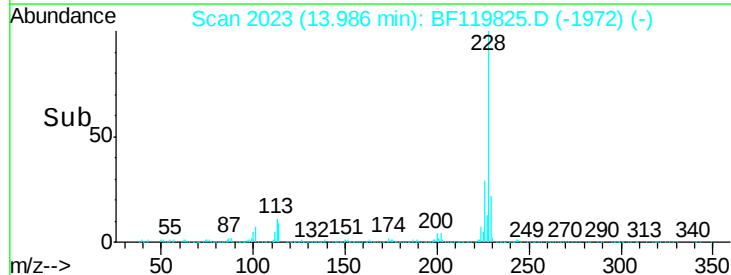
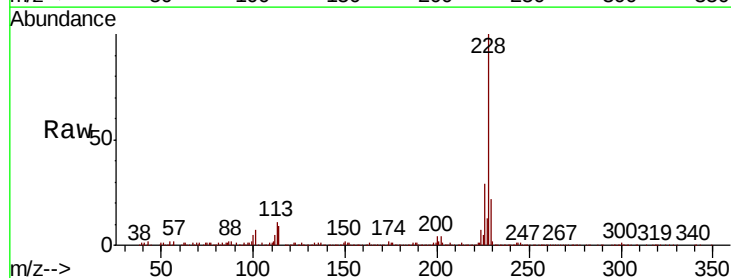
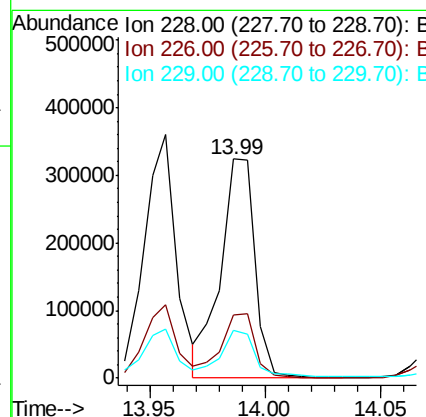
Manual Integrations
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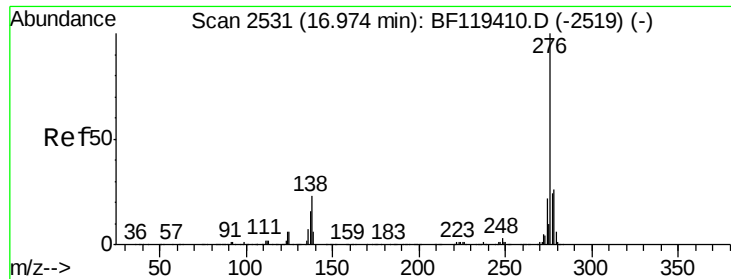
mohammad
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#83
Chrysene
Concen: 19.170 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.4	38.0
229	21.8	16.6	24.8





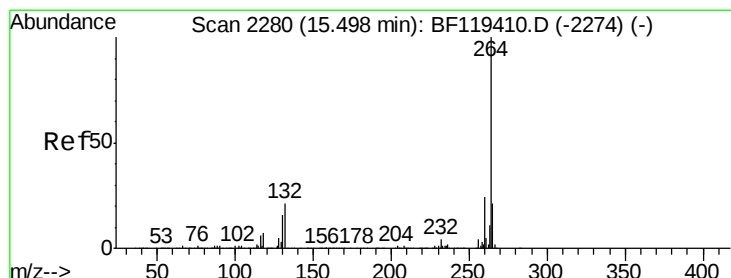
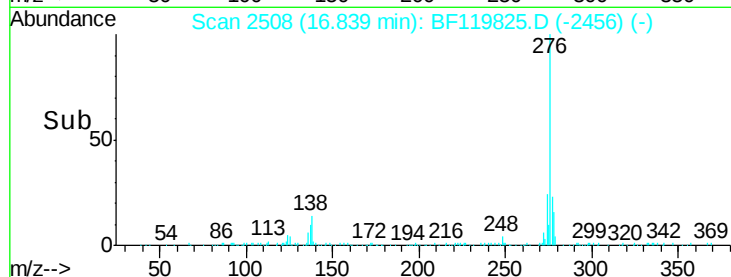
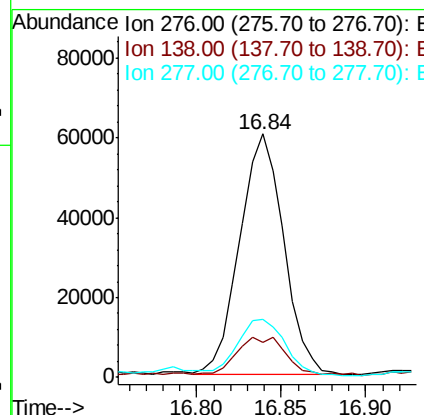
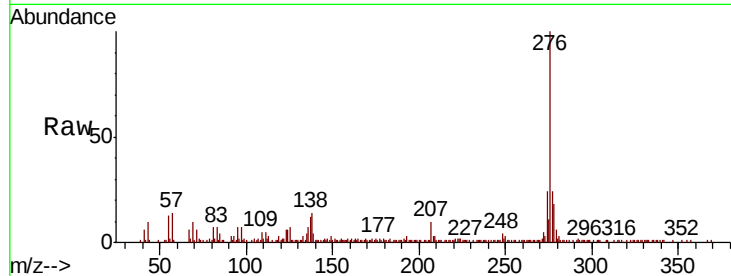
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.644 ng/ml
RT: 16.84 min Scan# 2508
Delta R.T. 0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	4.9	19.6	29.4#
277	4.1	20.0	30.0#

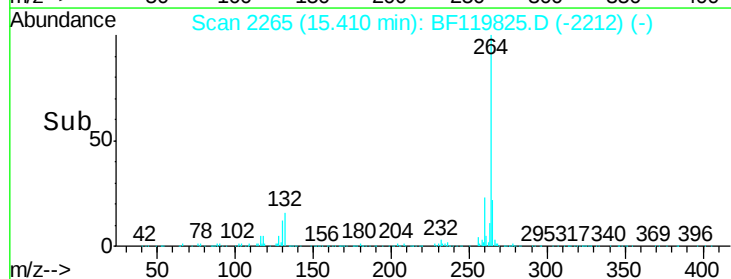
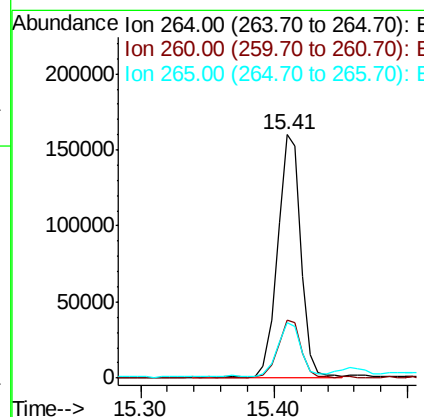
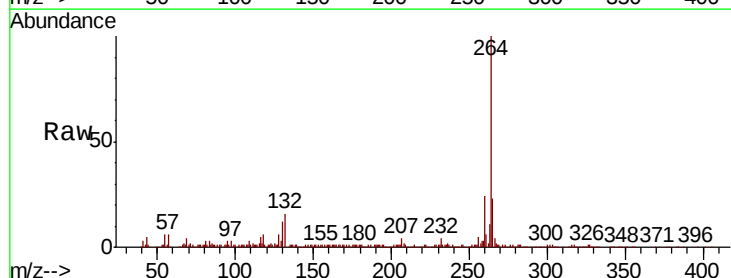
Manual Integrations
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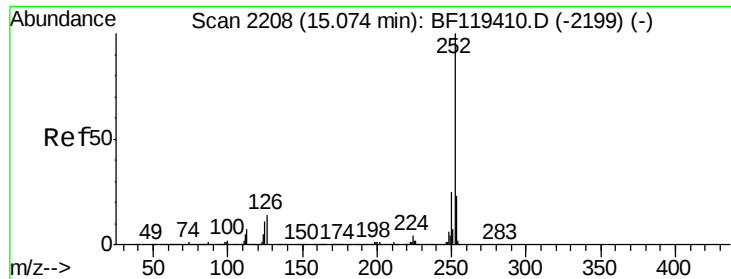
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.7	17.7	26.5





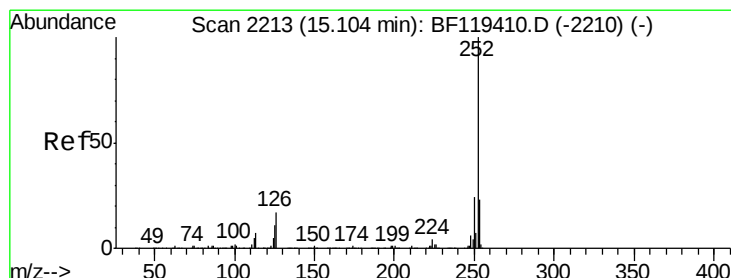
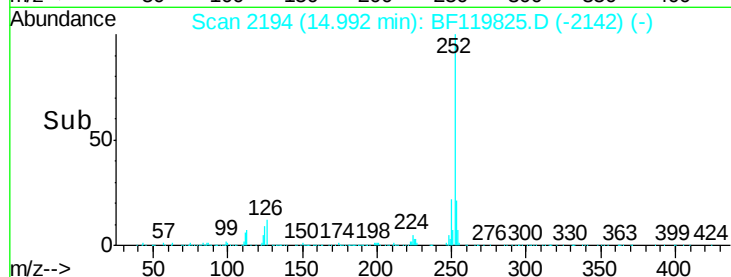
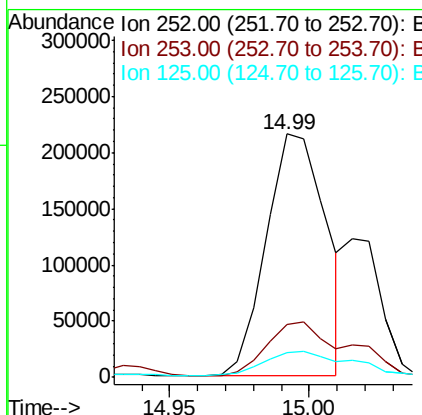
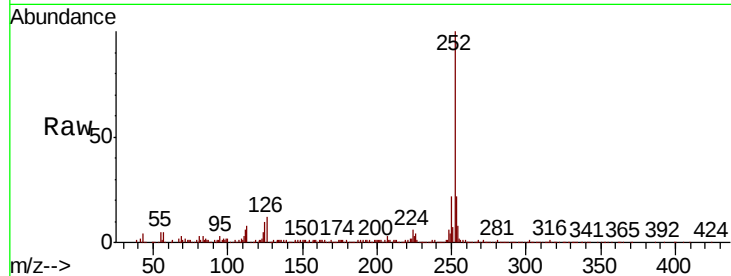
#88
Benzo(b)fluoranthene
Concen: 24.512 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
TP-9DL

Tot Ion:252	Resp:	322198
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.4 26.0
125	10.1	7.9 11.9

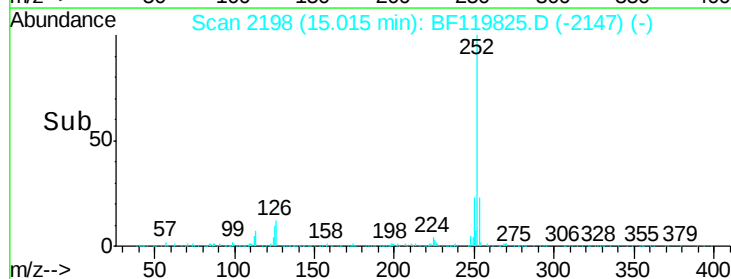
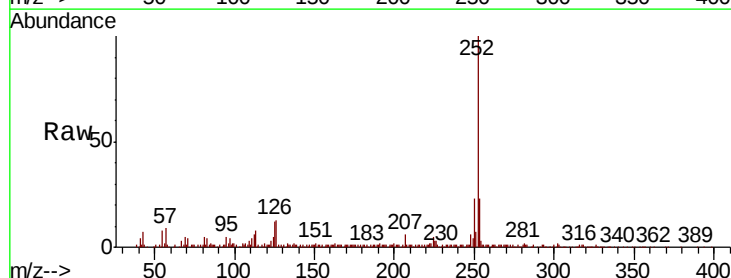
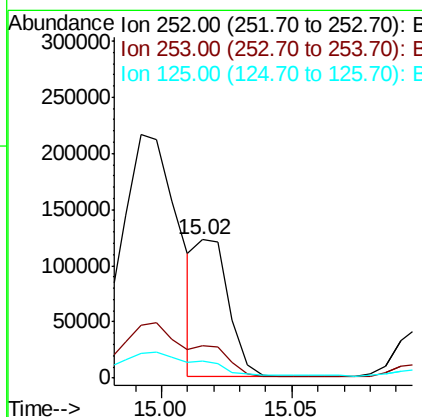
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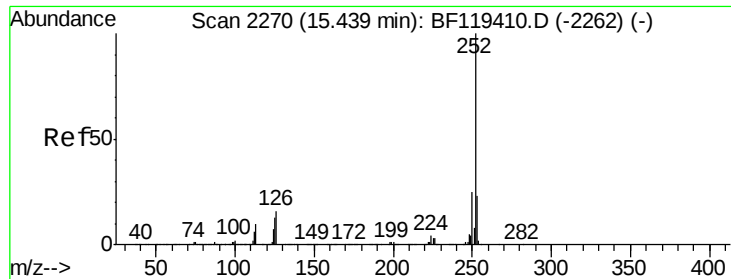
mohammad
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#89
Benzo(k)fluoranthene
Concen: 8.648 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Tgt Ion:252	Resp:	108238
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.8 26.6
125	11.9	8.4 12.6





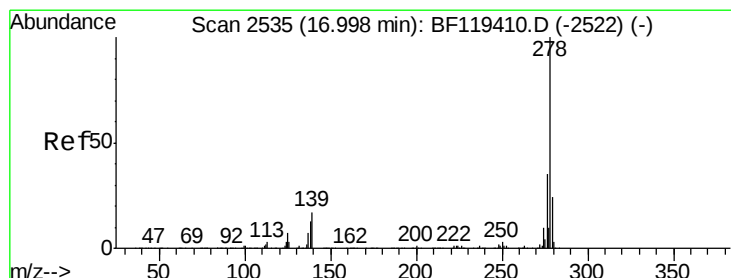
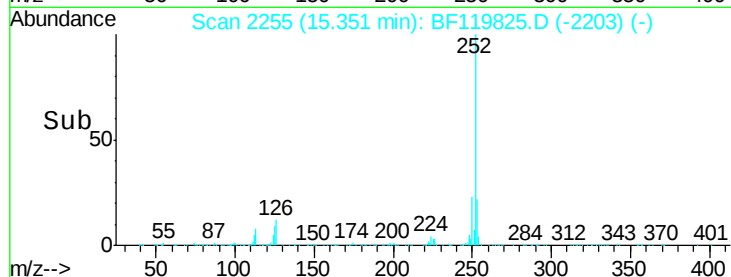
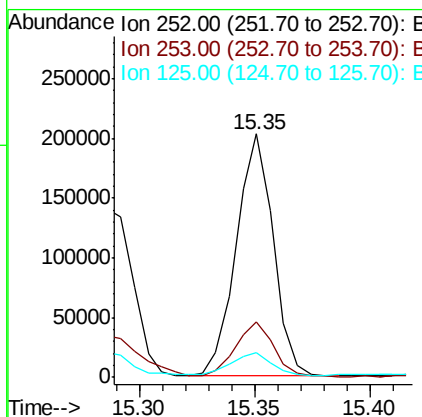
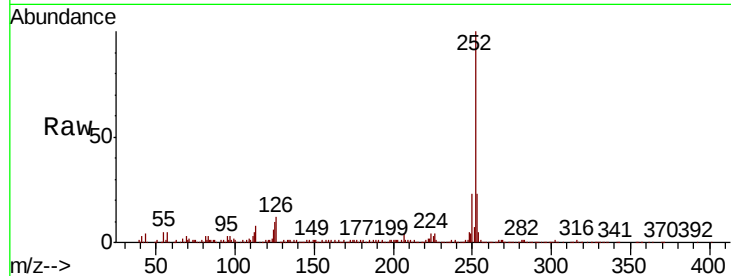
#90
Benzo(a)pyrene
Concen: 19.010 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
TP-9DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	10.3	9.4	14.2

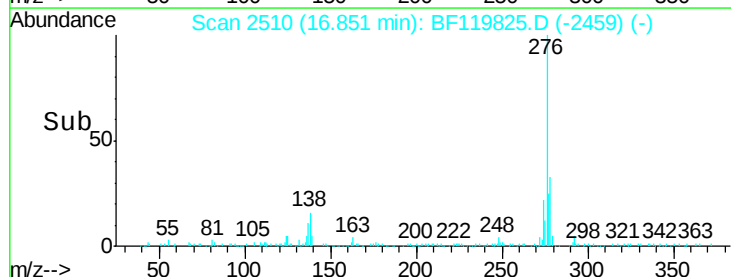
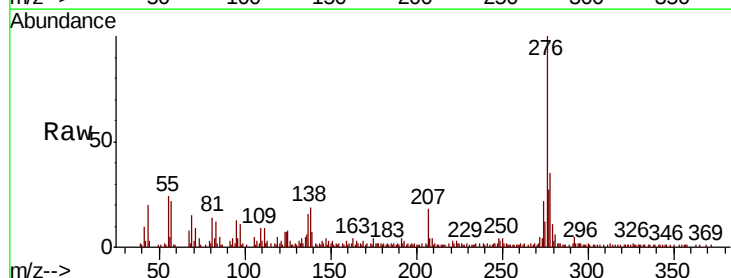
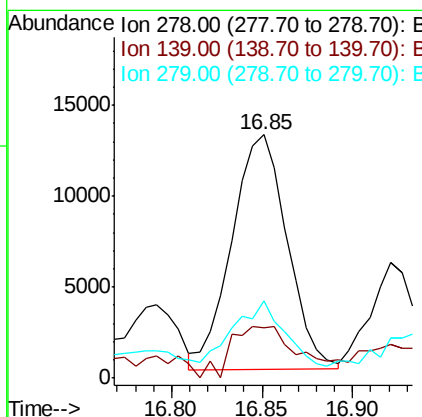
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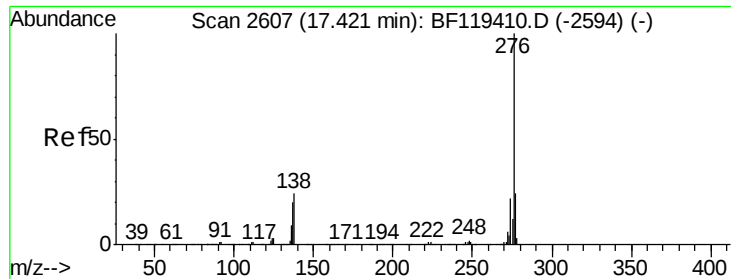
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.620 ng
RT: 16.85 min Scan# 2510
Delta R.T. 0.00 min
Lab File: BF119825.D
Acq: 7 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	12.6	19.0#
279	31.5	19.0	28.6#





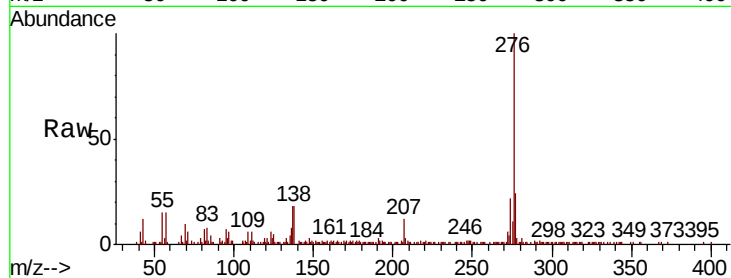
#92
 Benzo(a,h,i)perylene
 Concen: 10.137 ng
 RT: 17.27 min Scan# 2581
 Delta R.T. 0.00 min
 Lab File: BF119825.D
 Acq: 7 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.4	27.6
138	17.9	15.4	23.0

Manual Integrations
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mohammad
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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

