

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082620\
 Data File : BP003125.D
 Acq On : 26 Aug 2020 21:26
 Operator : CG/JU
 Sample : L3786-08DL 4X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 1994DL

Manual Integrations
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mohammad
 8/27/2020 3:14:47 PM

Quant Time: Aug 27 03:50:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 15:32:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	293406	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	1179051	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	700604	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1036494	20.00	ng	0.00
76) Chrysene-d12	21.16	240	1375378	20.00	ng	0.00
86) Perylene-d12	23.39	264	1516218	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	230696	13.90	ng	0.00
7) Phenol-d6	6.84	99	281482	13.53	ng	0.00
23) Nitrobenzene-d5	8.80	82	160034	9.78	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	130686	13.79	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	525274	10.98	ng	0.00
79) Terphenyl-d14	19.64	244	578574	9.26	ng	0.00
Target Compounds						
49) Acenaphthylene	14.02	152	266738	4.101	ng	Qvalue 94
52) Acenaphthene	14.37	154	127358	3.187	ng	98
58) Fluorene	15.36	166	197755	4.091	ng	96
71) Phenanthrene	17.11	178	2065145	36.770	ng	# 95
72) Anthracene	17.20	178	627529	11.675	ng	# 91
73) Carbazole	17.47	167	215425	4.176	ng	# 70
75) Fluoranthene	19.09	202	3748381	57.745	ng	94
78) Pyrene	19.44	202	3592308	40.243	ng	97
81) Benzo(a)anthracene	21.14	228	2501505	29.036	ng	97
83) Chrysene	21.19	228	2518055	30.527	ng	97
84) Bis(2-ethylhexyl)phthalate	21.09	149	363654	6.851	ng	96
87) Indeno(1,2,3-cd)pyrene	25.66	276	2089898	18.483	ng	95
88) Benzo(b)fluoranthene	22.72	252	3605782	38.263	ng	97
89) Benzo(k)fluoranthene	22.76	252	1220336m	13.553	ng	
90) Benzo(a)pyrene	23.30	252	2534082	28.985	ng	98
91) Dibenzo(a,h)anthracene	25.67	278	505431m	5.441	ng	
92) Benzo(a,h,i)perylene	26.36	276	2050962	22.002	ng	100

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

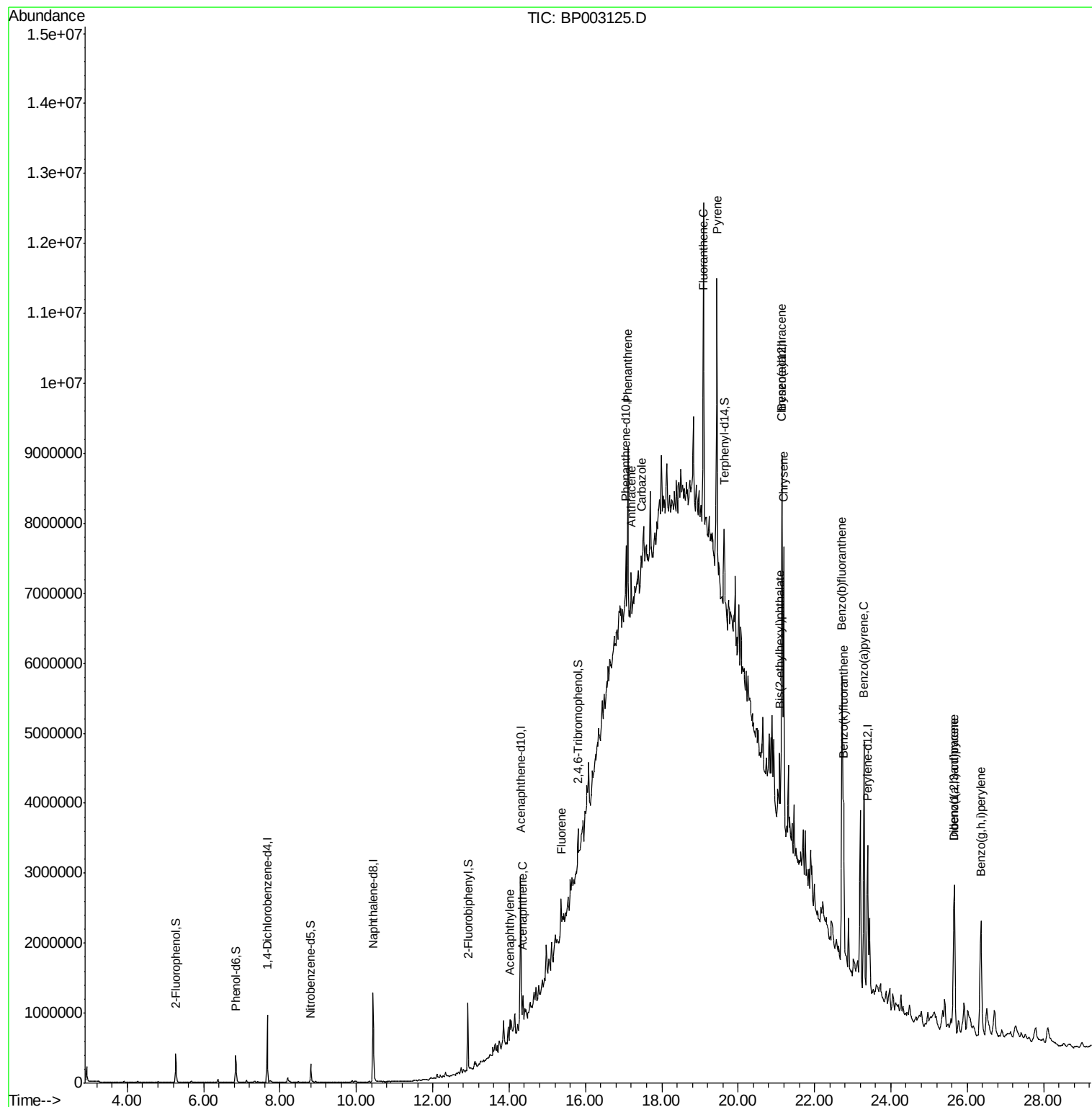
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082620\
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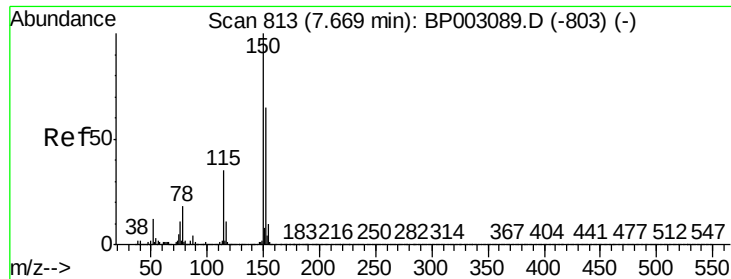
Instrument :
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Quant Time: Aug 27 03:50:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

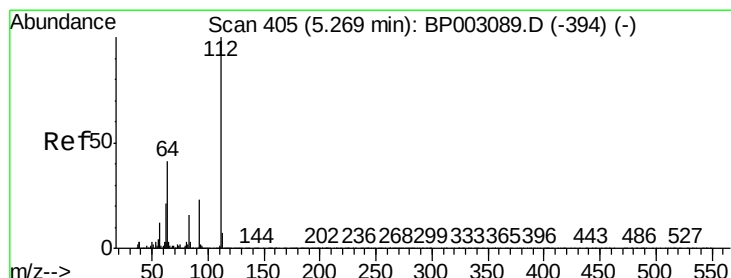
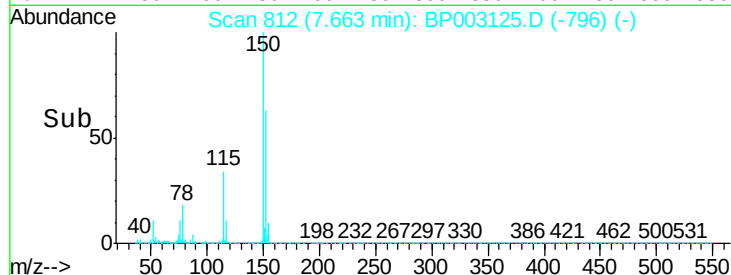
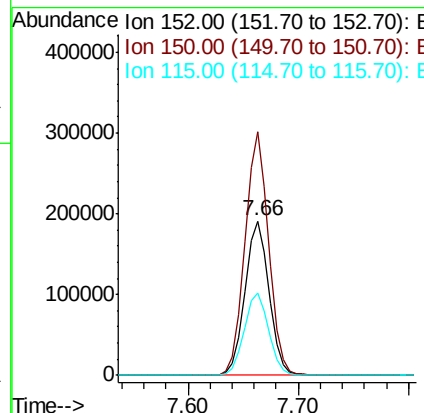
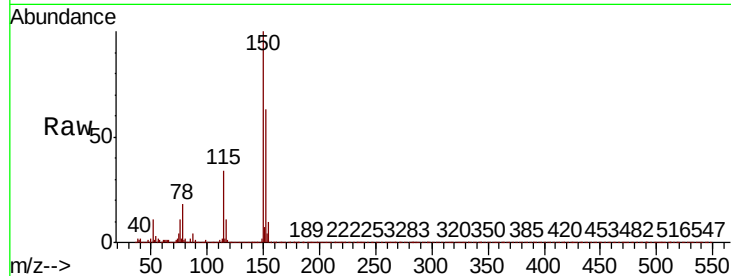
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 812
Delta R.T. -0.01 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Instrument :
BNA_P
ClientSampled :
1994DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	123.1	184.7
115	53.4	42.8	64.2

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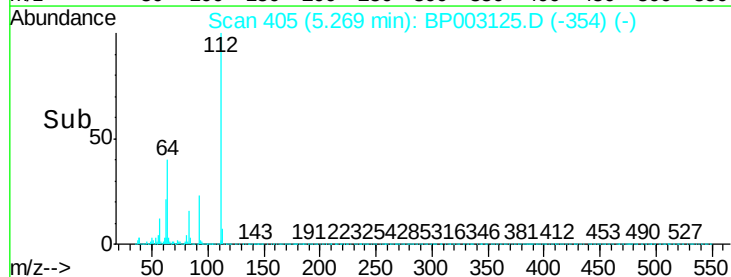
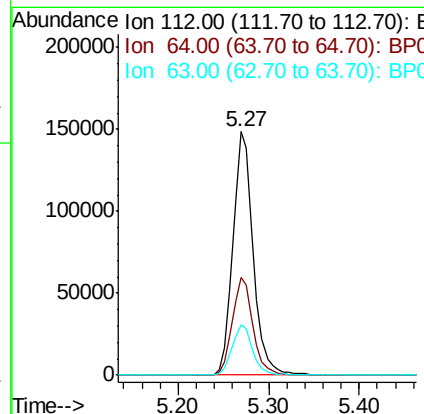
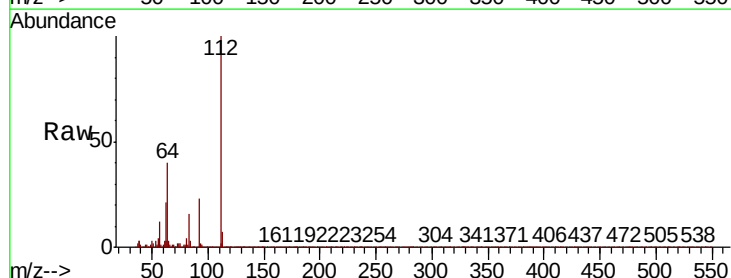
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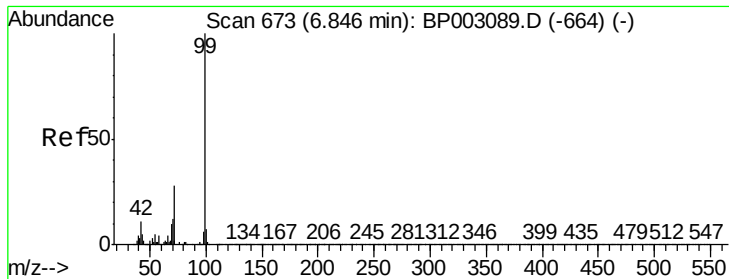


#5

2-Fluorophenol
Concen: 13.901 ng
RT: 5.27 min Scan# 405
Delta R.T. -0.00 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.1	33.0	49.6
63	20.8	16.9	25.3





#7

Phenol-d6

Concen: 13.531 ng

RT: 6.84 min Scan# 672

Delta R.T. -0.01 min

Lab File: BP003125.D

Acq: 26 Aug 2020 21:26

Instrument :

BNA_P

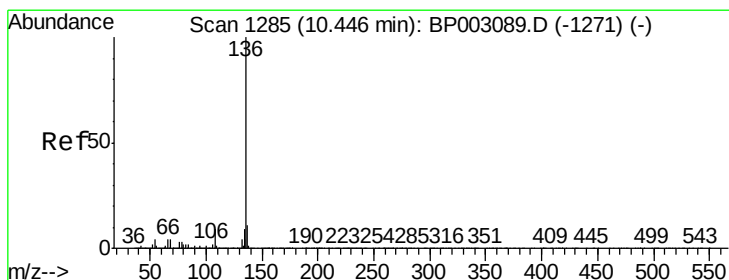
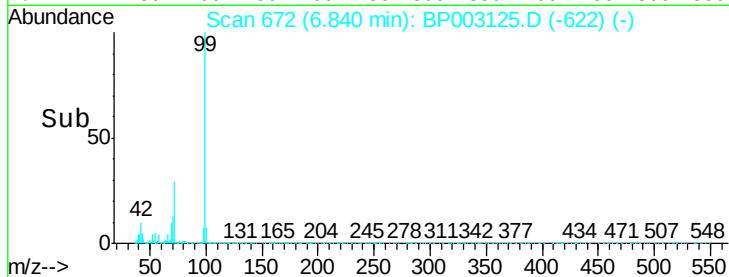
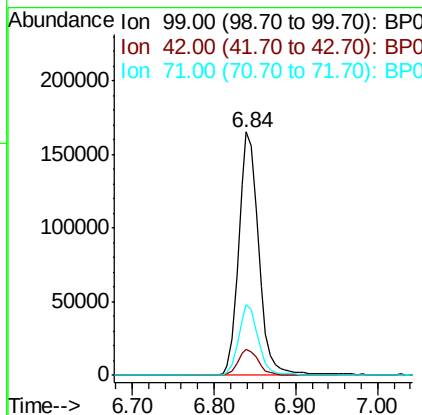
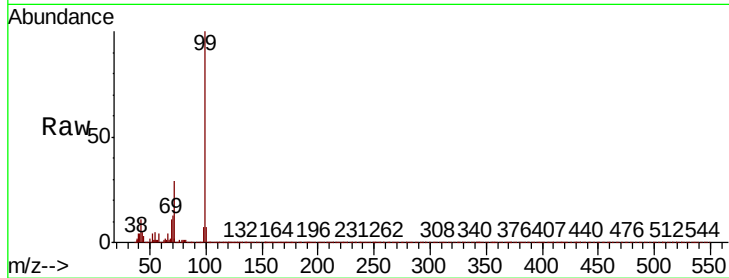
ClientSampleId :

1994DL

Tot Ion:	99	Resp:	281482
Ion Ratio	Lower	Upper	
99	100		
42	10.6	8.5	12.7
71	29.3	22.8	34.2

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#21

Naphthalene-d8

Concen: 20.000 ng

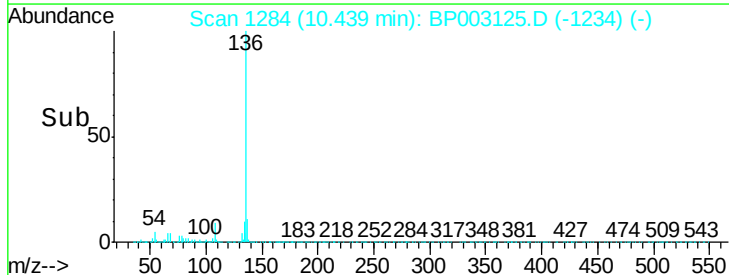
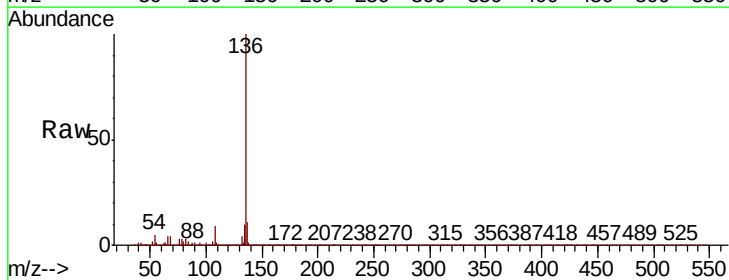
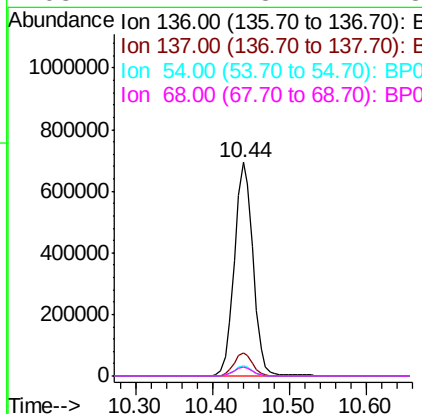
RT: 10.44 min Scan# 1284

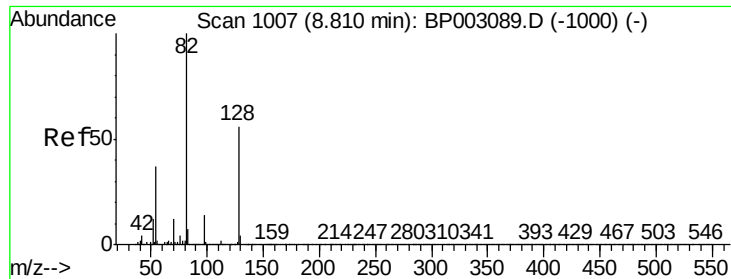
Delta R.T. -0.01 min

Lab File: BP003125.D

Acq: 26 Aug 2020 21:26

Tgt Ion:	136	Resp:	1179051
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	4.5	3.5	5.3
68	4.4	3.2	4.8





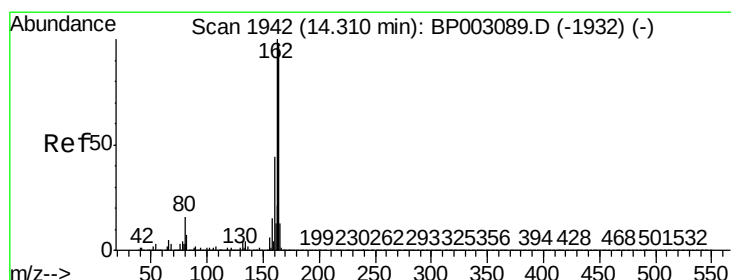
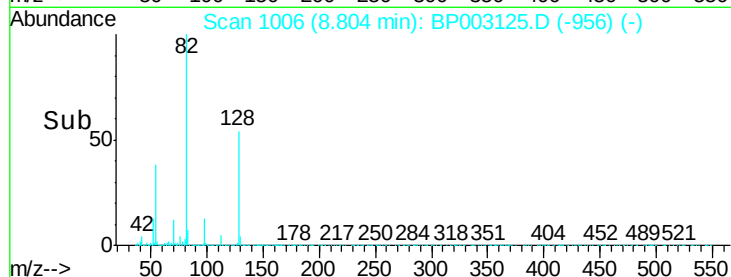
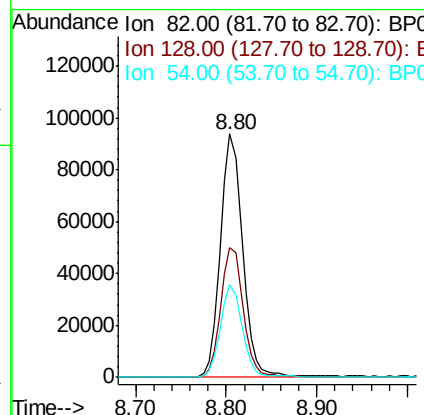
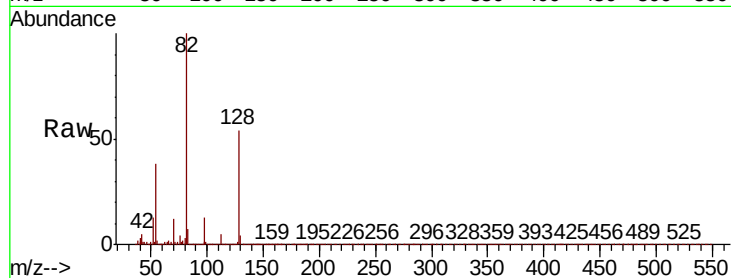
#23
 Nitrobenzene-d5
 Concen: 9.785 ng
 RT: 8.80 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BP003125.D
 Acq: 26 Aug 2020 21:26

Instrument :
 BNA_P
 ClientSampleId :
 1994DL

Tot Ion	82	Resp	160034
Ion Ratio	Lower	Upper	
82	100		
128	53.5	44.9	67.3
54	38.1	29.4	44.2

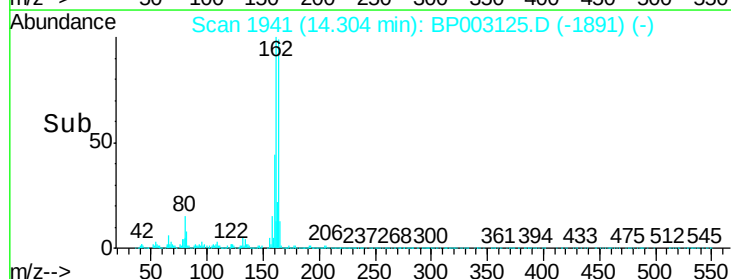
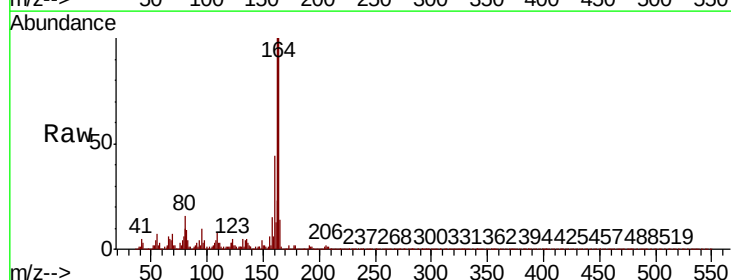
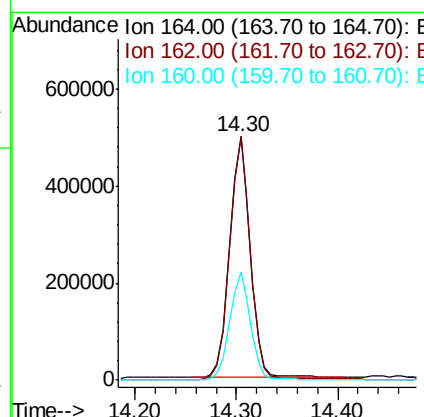
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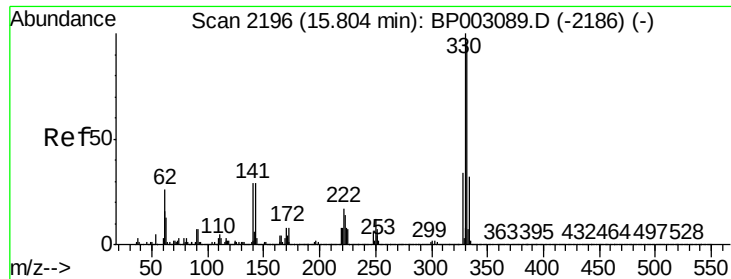
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: BP003125.D
 Acq: 26 Aug 2020 21:26

Tgt Ion	164	Resp	700604
Ion Ratio	Lower	Upper	
164	100		
162	100.2	81.2	121.8
160	44.5	36.0	54.0





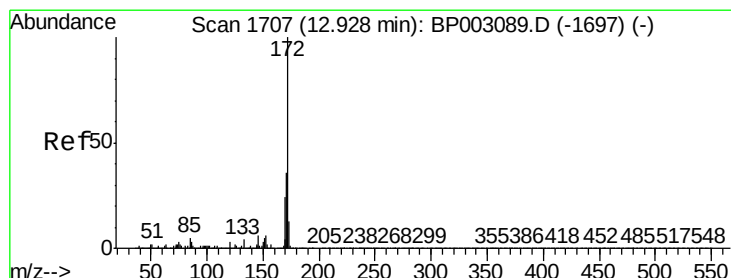
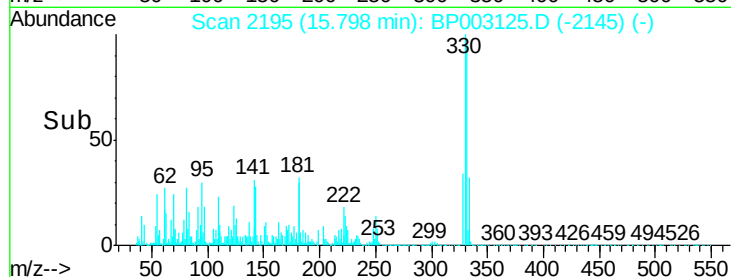
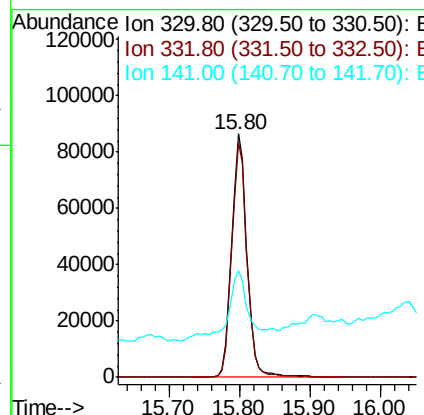
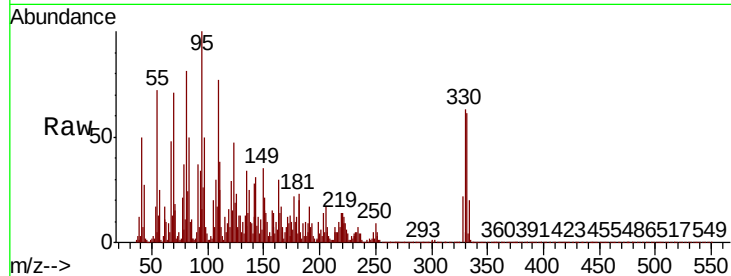
#42
 2,4,6-Tribromophenol
 Concen: 13.792 ng
 RT: 15.80 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: BP003125.D
 Acq: 26 Aug 2020 21:26

Instrument :
 BNA_P
 ClientSampleId :
 1994DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	130686		
332	97.0	77.3	115.9	
141	38.1	24.4	36.6#	

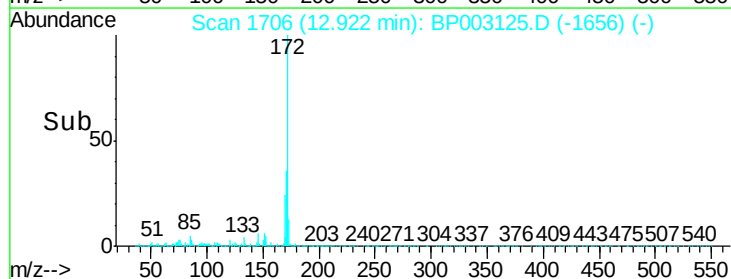
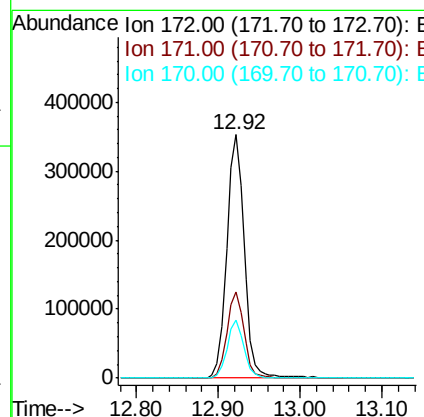
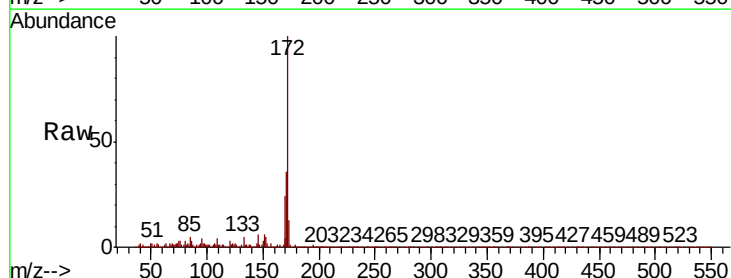
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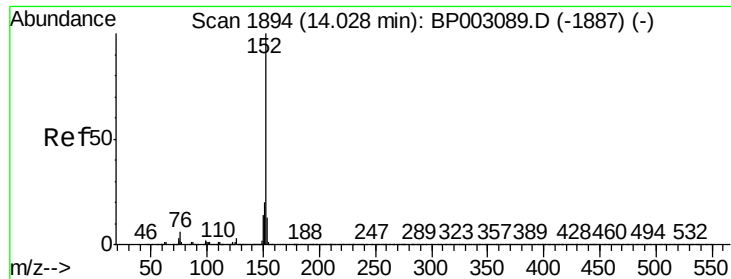
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#45
 2-Fluorobiphenyl
 Concen: 10.980 ng
 RT: 12.92 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: BP003125.D
 Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	525274		
171	35.5	28.7	43.1	
170	23.6	19.0	28.4	





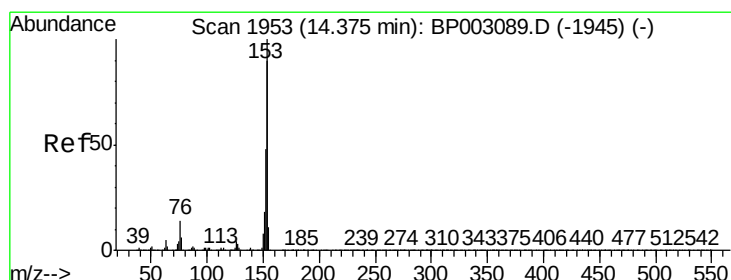
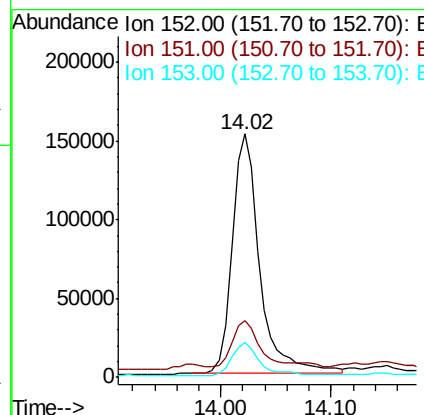
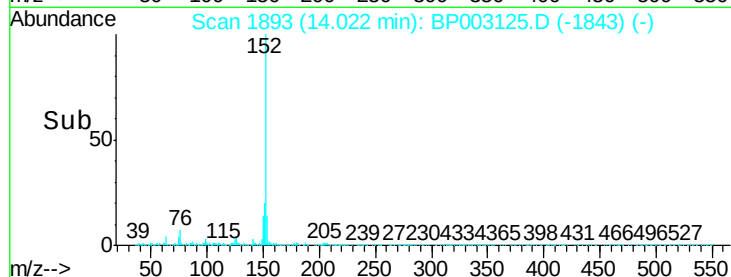
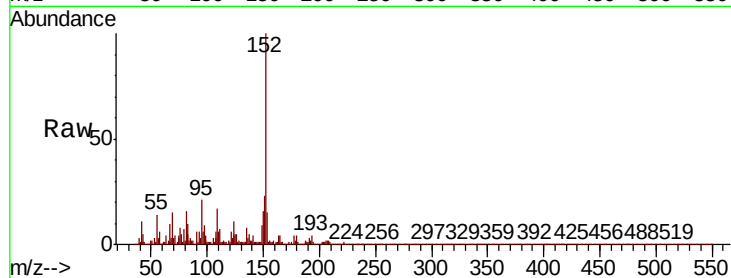
#49
Acenaphthylene
Concen: 4.101 ng
RT: 14.02 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Instrument :
BNA_P
ClientSampleId :
1994DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.4	16.2	24.4
153	14.6	10.5	15.7

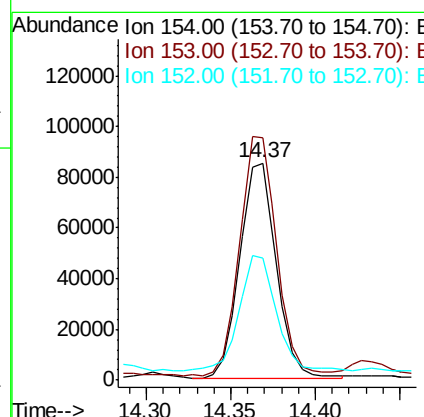
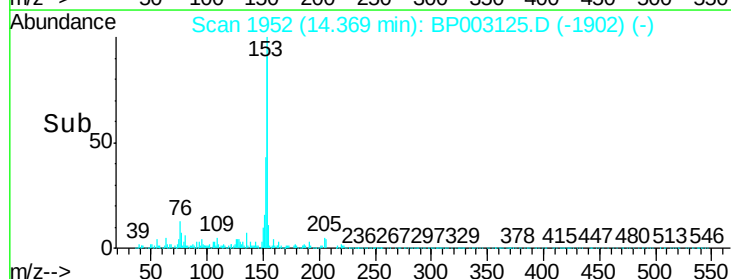
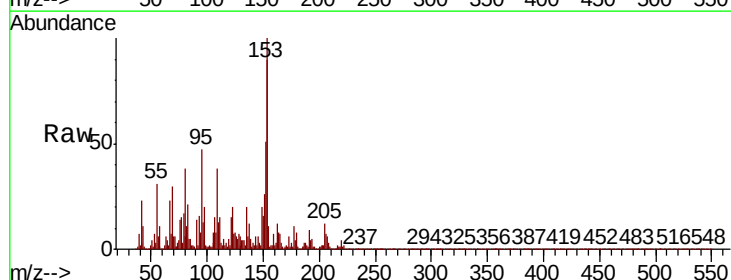
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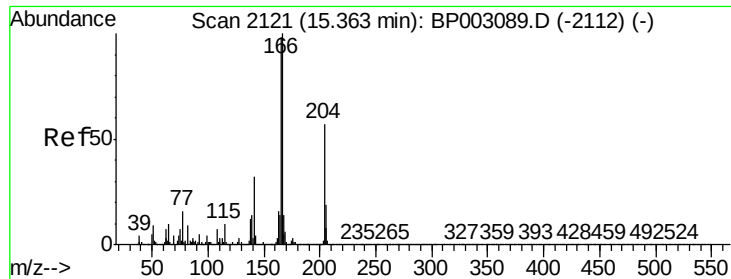
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#52
Acenaphthene
Concen: 3.187 ng
RT: 14.37 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.2	133.8
152	56.4	42.5	63.7





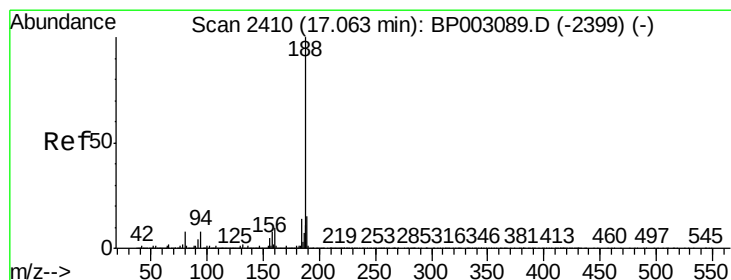
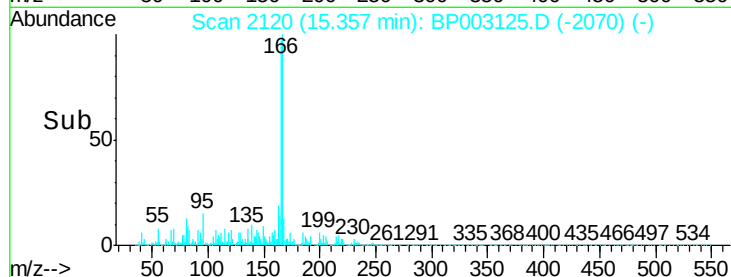
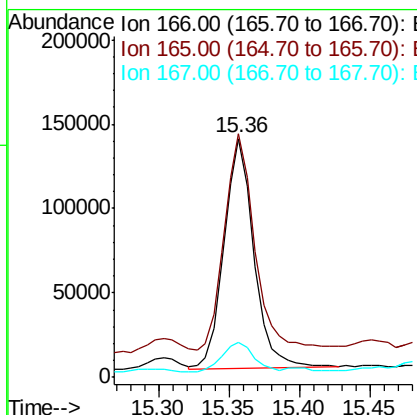
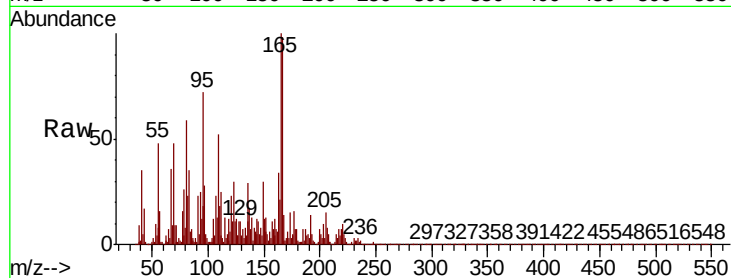
#58
 Fluorene
 Concen: 4.091 ng
 RT: 15.36 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BP003125.D
 Acq: 26 Aug 2020 21:26

Instrument :
 BNA_P
 ClientSampleID :
 1994DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	197755		
165	102.0	78.3	117.5	
167	14.7	11.0	16.4	

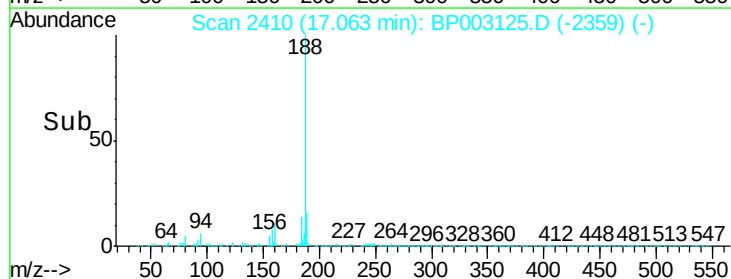
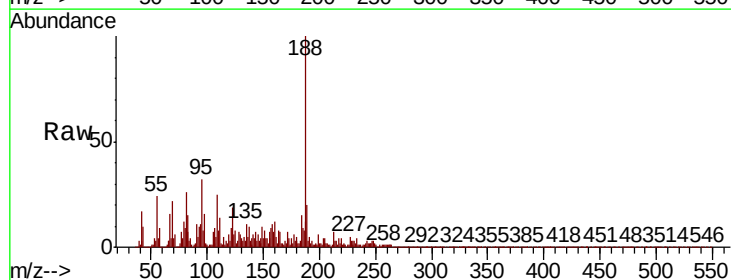
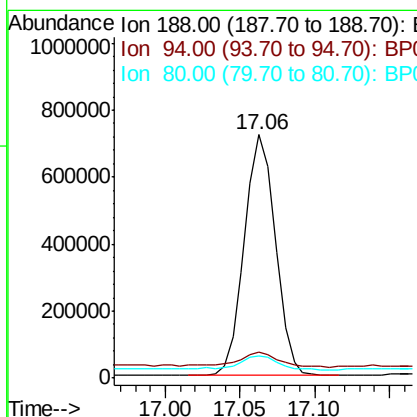
Manual Integrations
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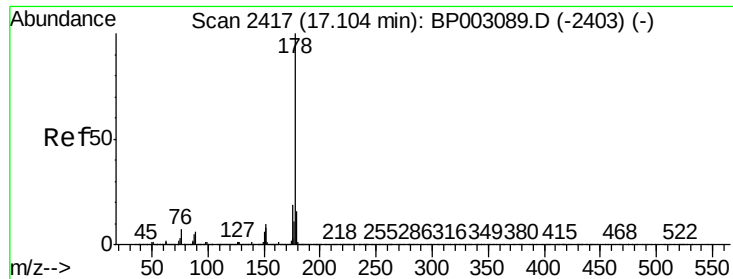
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.06 min Scan# 2410
 Delta R.T. -0.00 min
 Lab File: BP003125.D
 Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1036494		
94	10.6	6.2	9.4#	
80	9.1	6.4	9.6	





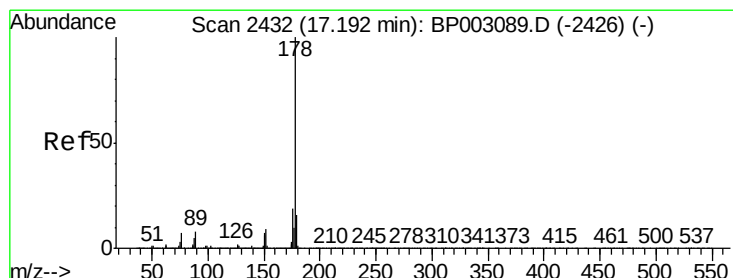
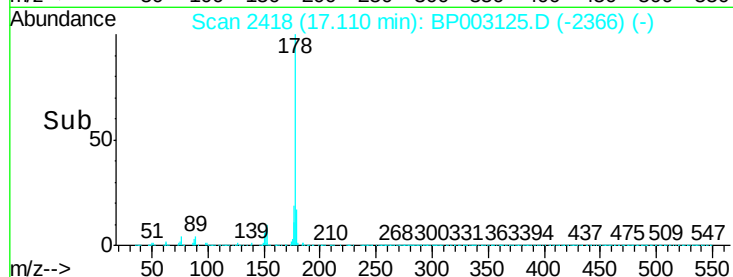
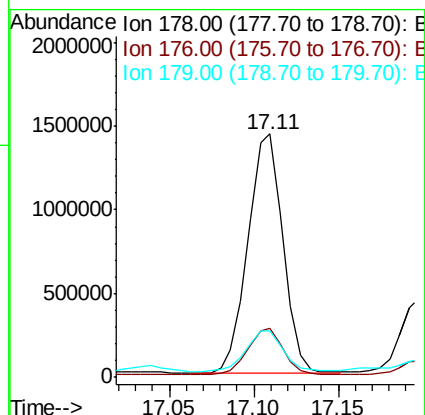
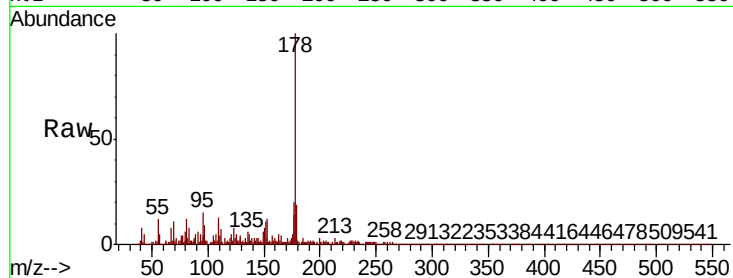
#71
Phenanthrene
Concen: 36.770 ng
RT: 17.11 min Scan# 2418
Delta R.T. 0.01 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Instrument :
BNA_P
ClientSampleId :
1994DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	19.1	12.4	18.6

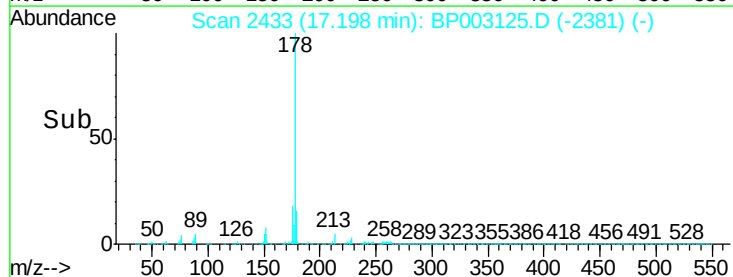
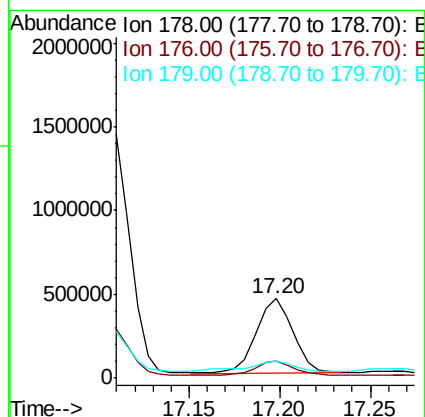
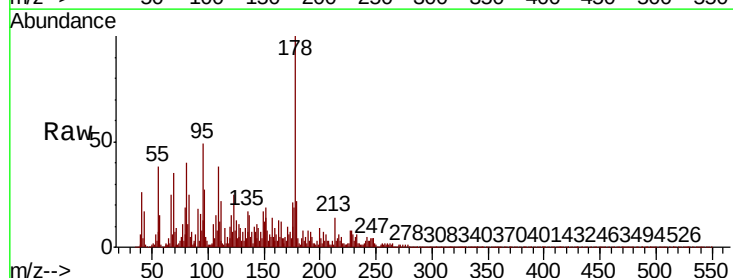
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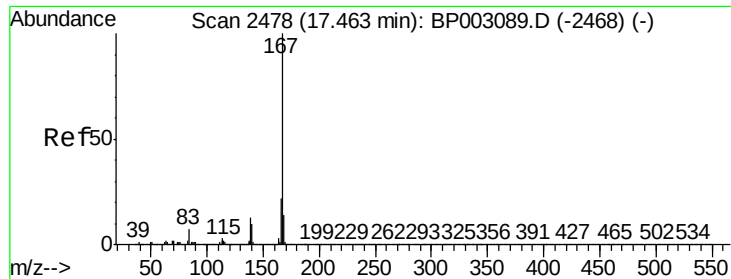
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#72
Anthracene
Concen: 11.675 ng
RT: 17.20 min Scan# 2433
Delta R.T. 0.01 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.2	22.8
179	22.1	12.6	19.0





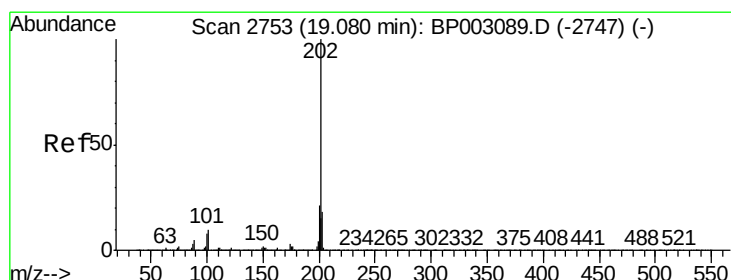
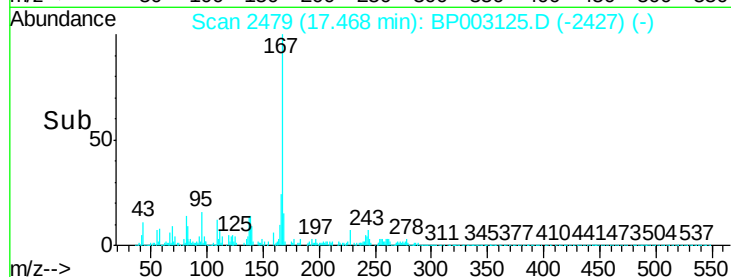
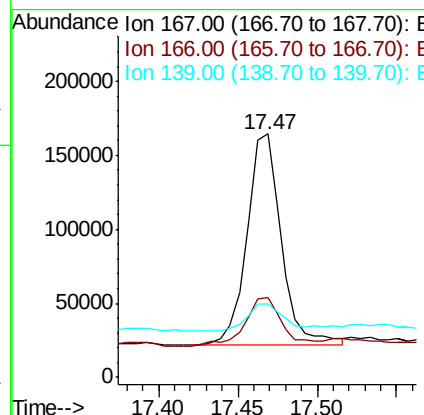
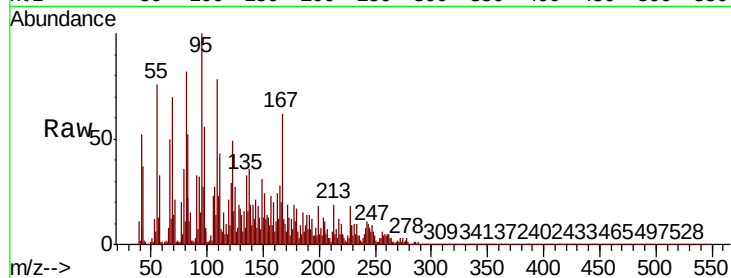
#73
 Carbazole
 Concen: 4.176 ng
 RT: 17.47 min Scan# 2479
 Delta R.T. 0.01 min
 Lab File: BP003125.D
 Acq: 26 Aug 2020 21:26

Instrument :
 BNA_P
 ClientSampleId :
 1994DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	32.5	17.6	26.4#
139	30.1	10.3	15.5#

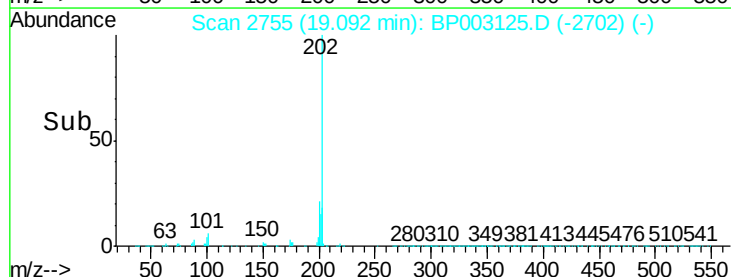
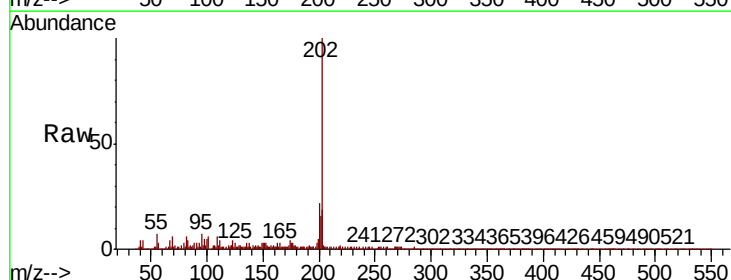
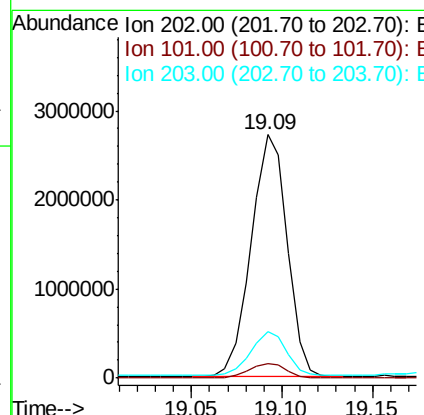
Manual Integrations
 APPROVED

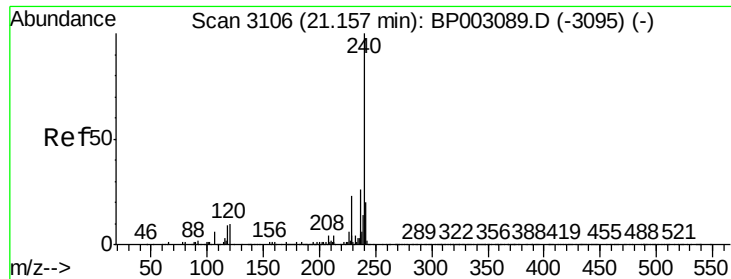
mohammad
 8/27/2020 3:14:47 PM



#75
 Fluoranthene
 Concen: 57.745 ng
 RT: 19.09 min Scan# 2755
 Delta R.T. 0.01 min
 Lab File: BP003125.D
 Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.1	0.0	30.0
203	19.0	0.0	37.7





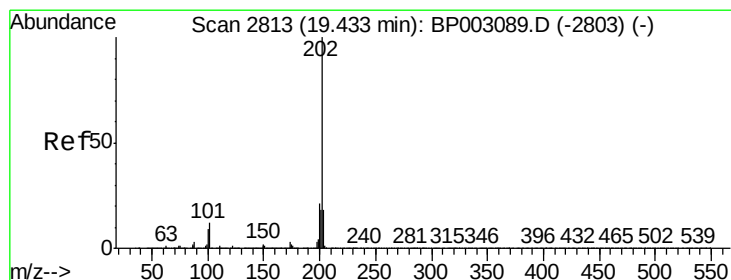
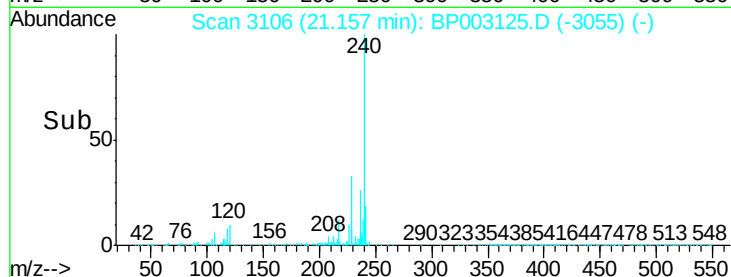
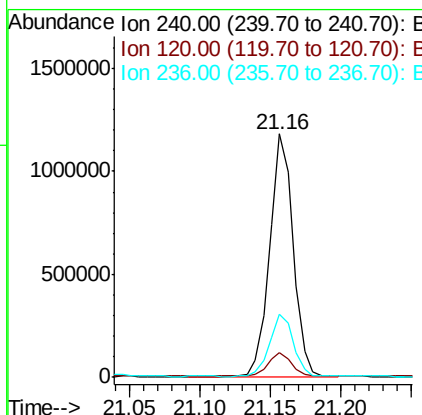
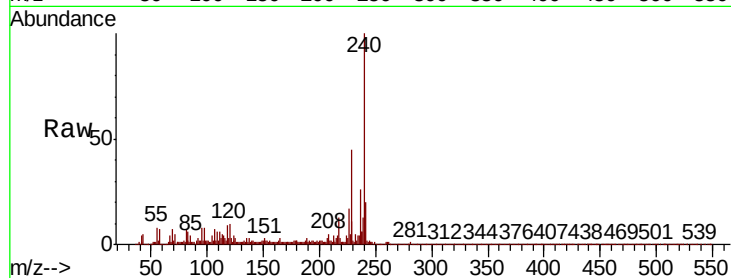
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Instrument :
BNA_P
ClientSampleId :
1994DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.4	12.6
236	26.2	20.6	31.0

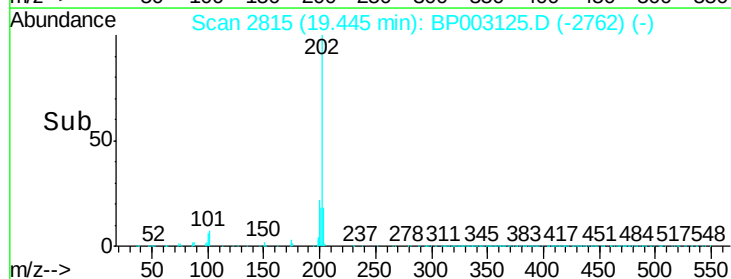
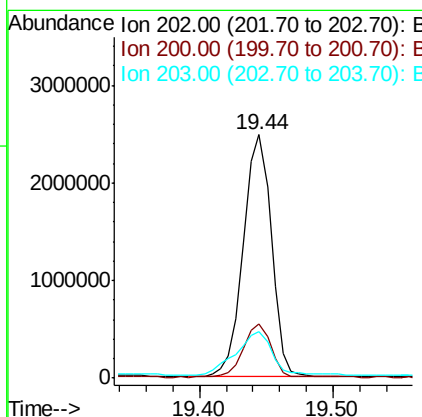
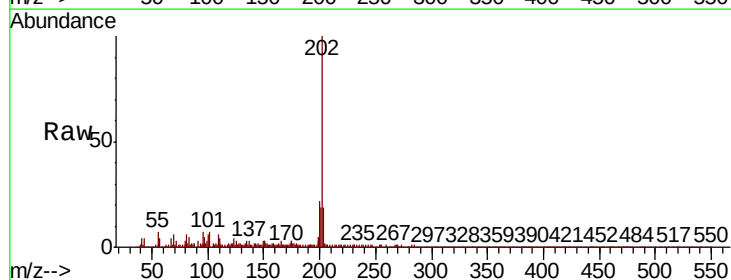
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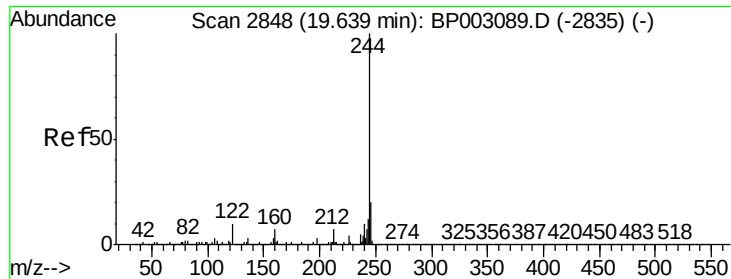
mohammad
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#78
Pyrene
Concen: 40.243 ng
RT: 19.44 min Scan# 2815
Delta R.T. 0.01 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.4
203	19.1	14.0	21.0





#79

Terphenyl-d14

Concen: 9.256 ng

RT: 19.64 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BP003125.D

Acq: 26 Aug 2020 21:26

Instrument :

BNA_P

ClientSampleId :

1994DL

Tot Ion:244 Resp: 578574

Ion Ratio Lower Upper

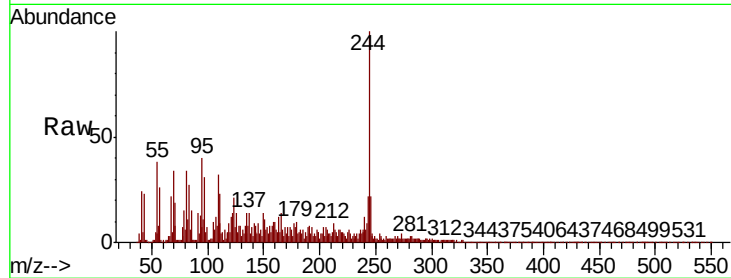
244 100

212 9.4 5.8 8.8#

122 13.7 7.7 11.5#

Manual Integrations
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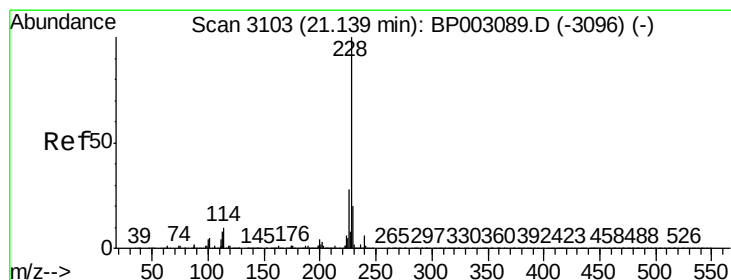
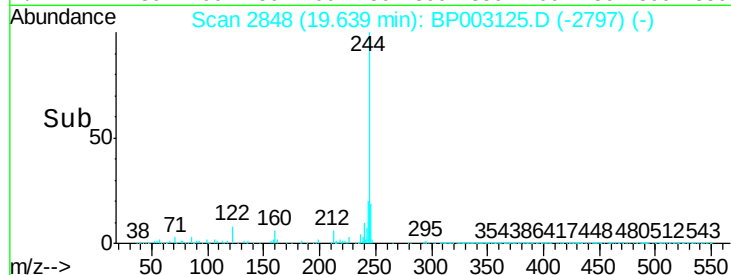
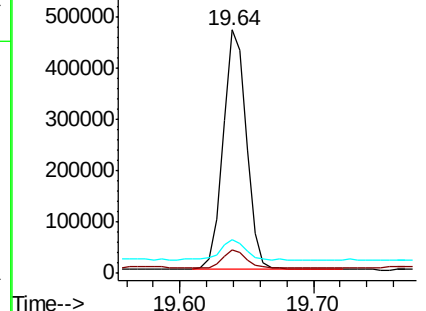
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 29.036 ng

RT: 21.14 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BP003125.D

Acq: 26 Aug 2020 21:26

Tgt Ion:228 Resp: 2501505

Ion Ratio Lower Upper

228 100

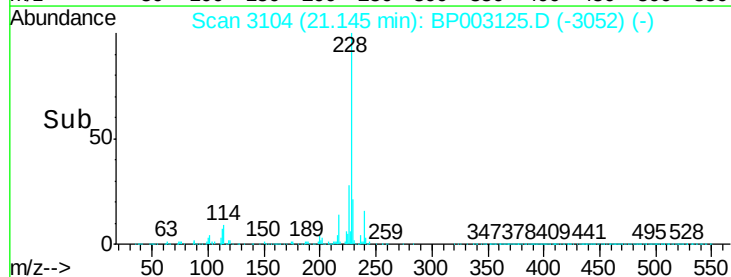
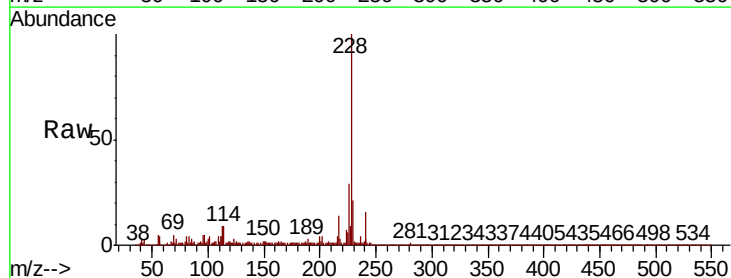
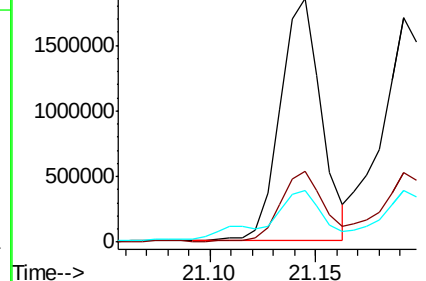
226 29.1 22.0 33.0

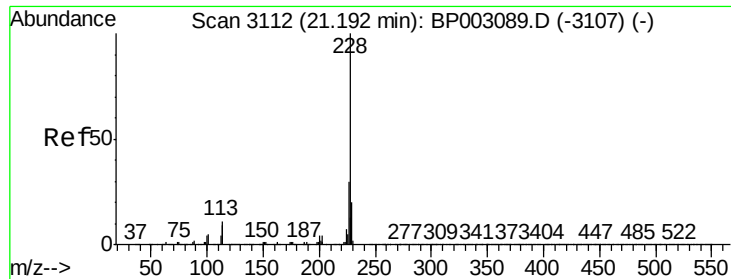
229 21.2 16.2 24.2

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





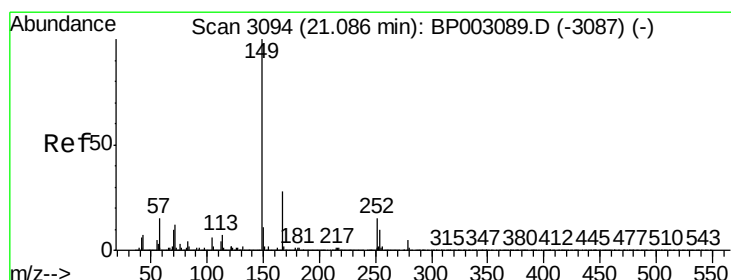
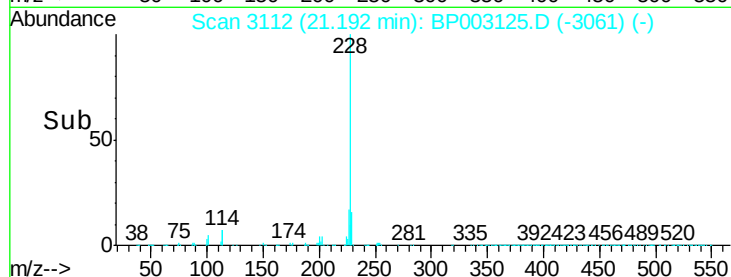
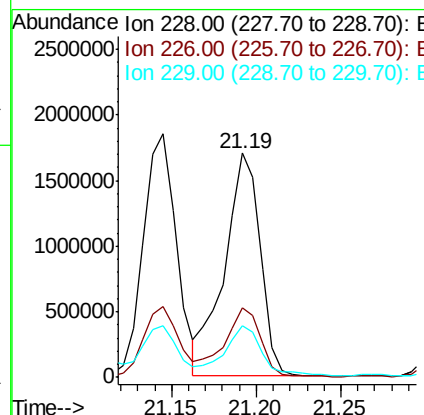
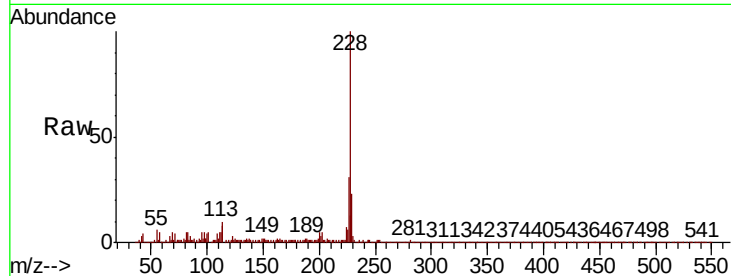
#83
Chrysene
Concen: 30.527 ng
RT: 21.19 min Scan# 3112
Delta R.T. -0.00 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Instrument :
BNA_P
ClientSampleID :
1994DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.4
229	22.7	16.0	24.0

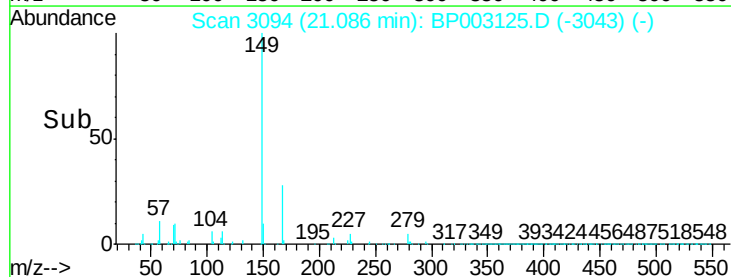
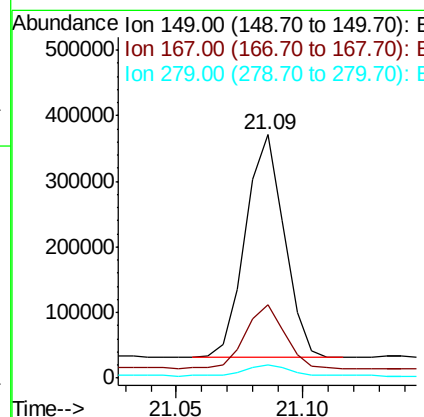
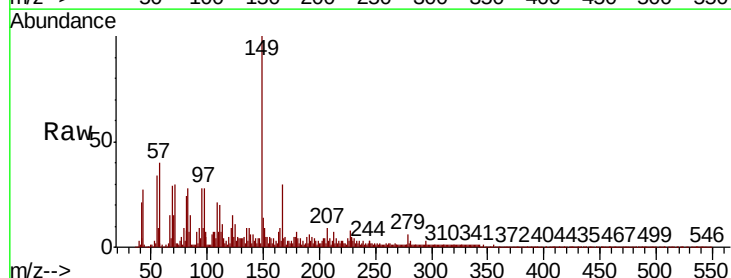
Manual Integrations
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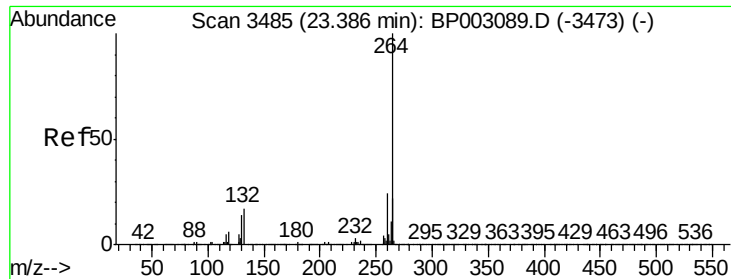
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 6.851 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.00 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.1	22.5	33.7
279	5.6	3.8	5.8





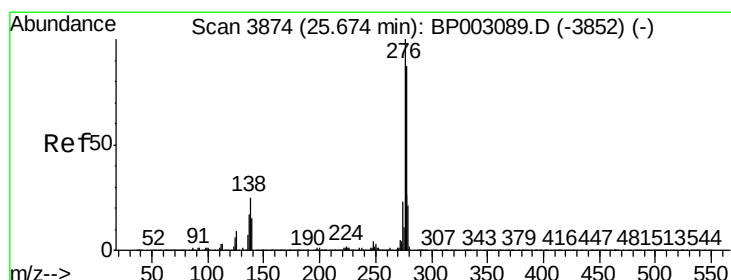
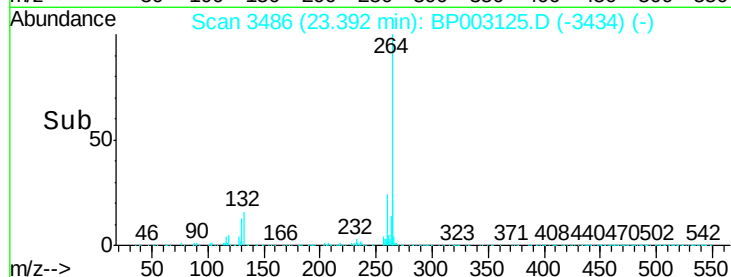
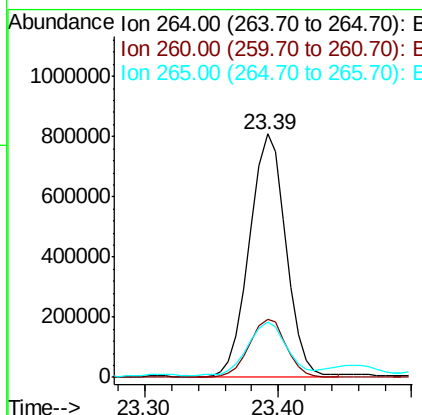
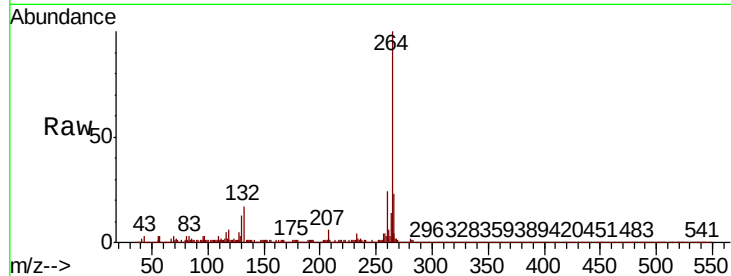
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3486
Delta R.T. 0.01 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Instrument :
BNA_P
ClientSampled :
1994DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	22.8	17.7	26.5

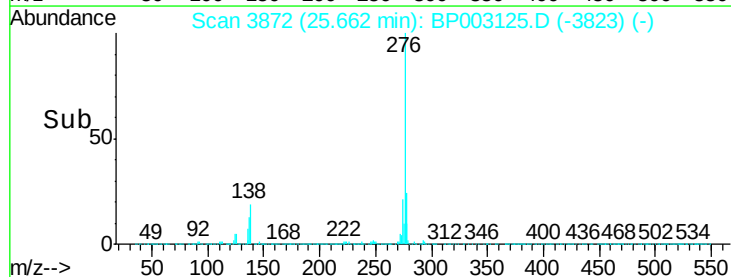
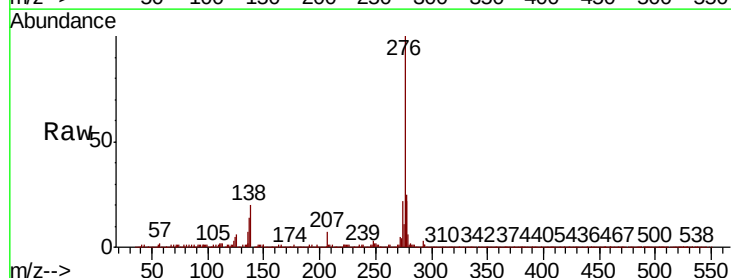
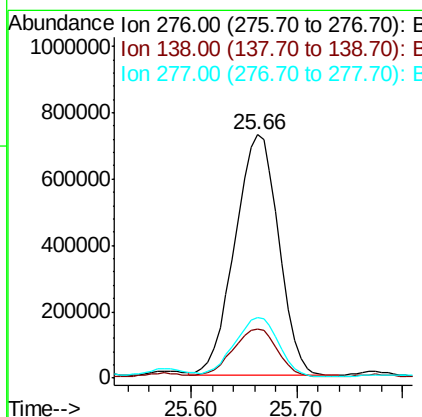
Manual Integrations
APPROVED

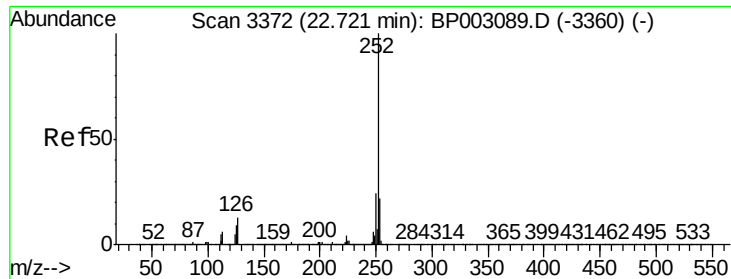
mohammad
8/27/2020 3:14:47 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 18.483 ng
RT: 25.66 min Scan# 3872
Delta R.T. -0.01 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	20.2	30.4
277	24.9	20.4	30.6





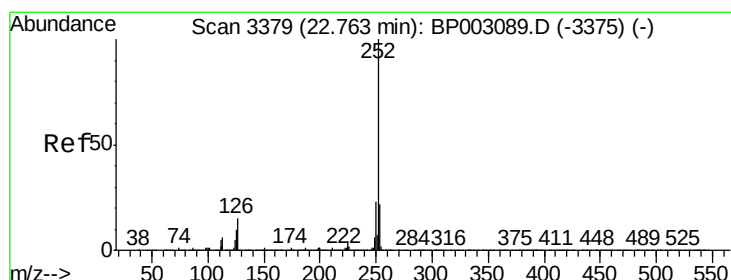
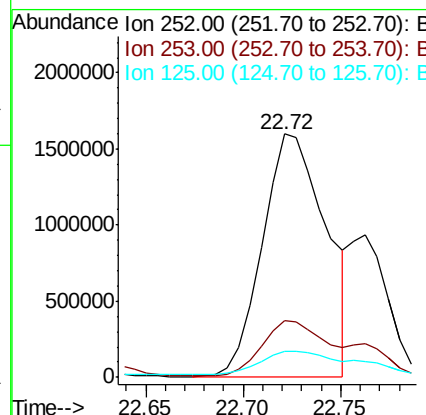
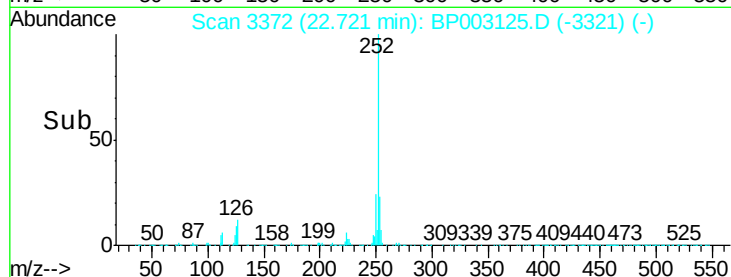
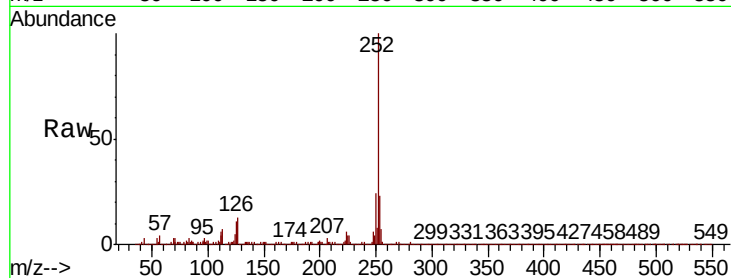
#88
Benzo(b)fluoranthene
Concen: 38.263 ng
RT: 22.72 min Scan# 3372
Delta R.T. -0.00 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Instrument :
BNA_P
ClientSampled :
1994DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	10.9	7.6	11.4

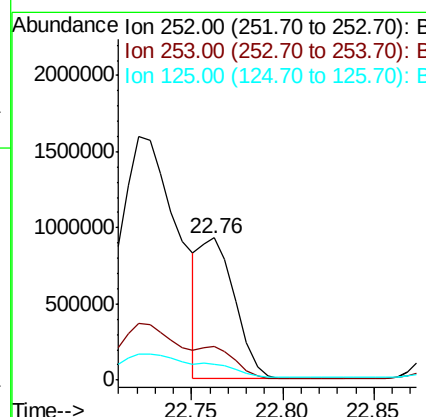
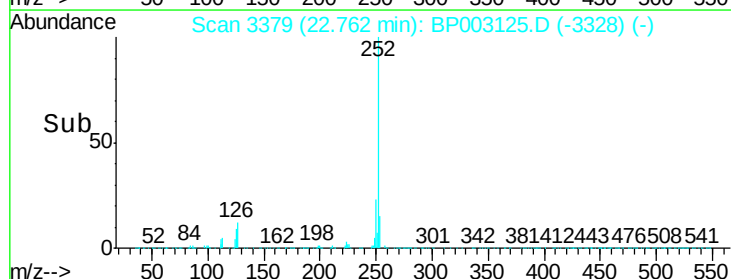
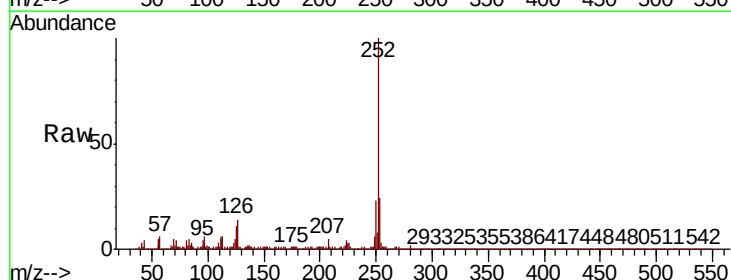
Manual Integrations
APPROVED

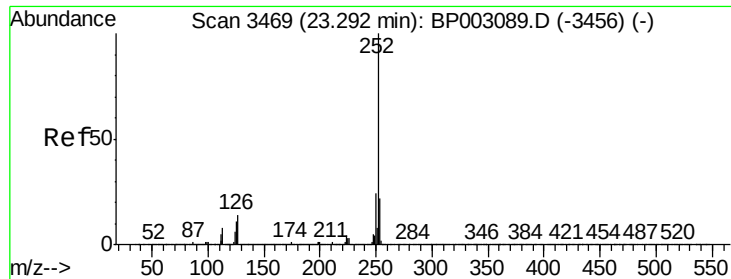
mohammad
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#89
Benzo(k)fluoranthene
Concen: 13.553 ng m
RT: 22.76 min Scan# 3379
Delta R.T. -0.00 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	11.3	8.0	12.0





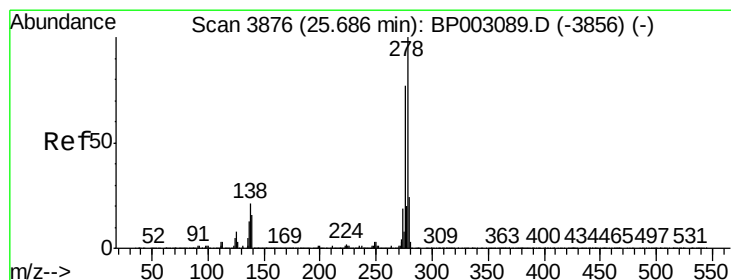
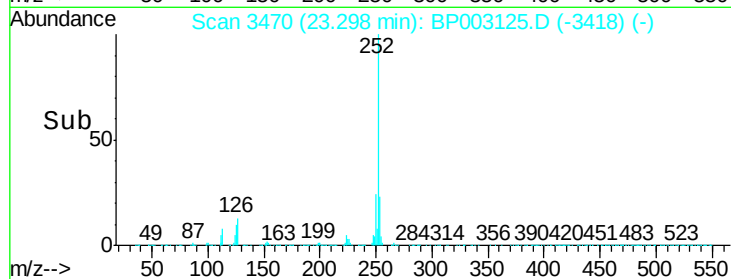
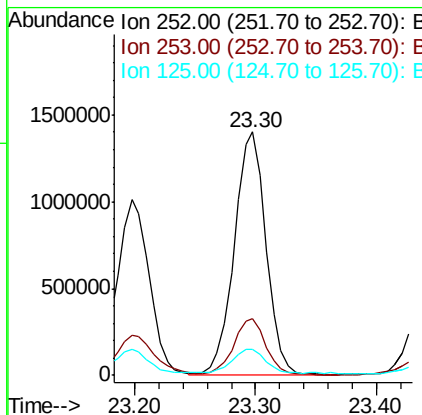
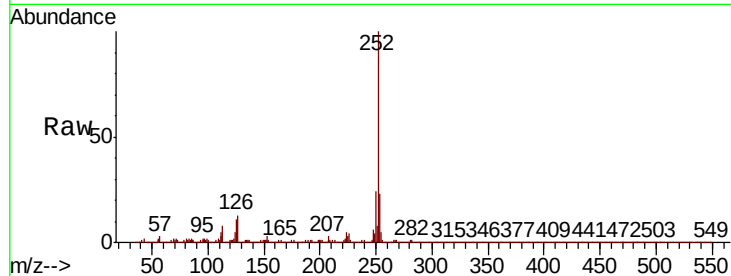
#90
Benzo(a)pyrene
Concen: 28.985 ng
RT: 23.30 min Scan# 3470
Delta R.T. 0.01 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Instrument :
BNA_P
ClientSampleID :
1994DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	10.9	8.8	13.2

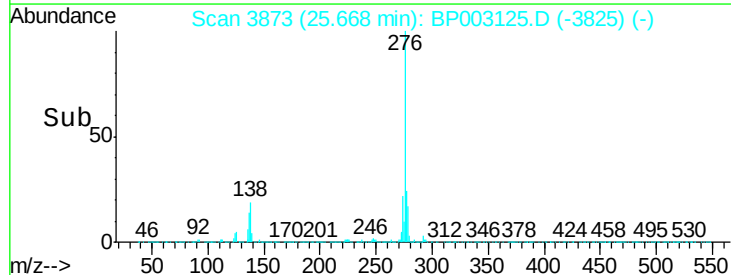
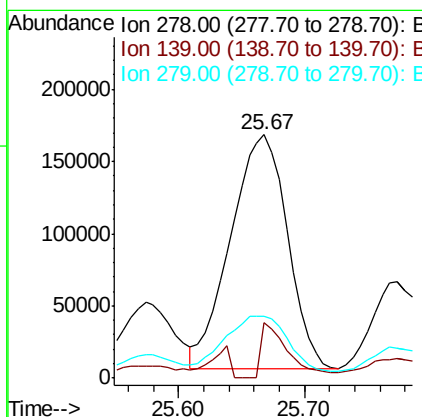
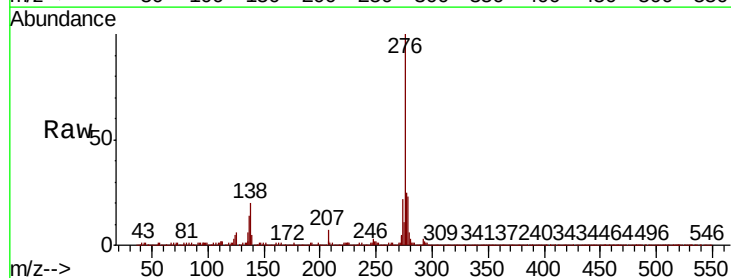
Manual Integrations
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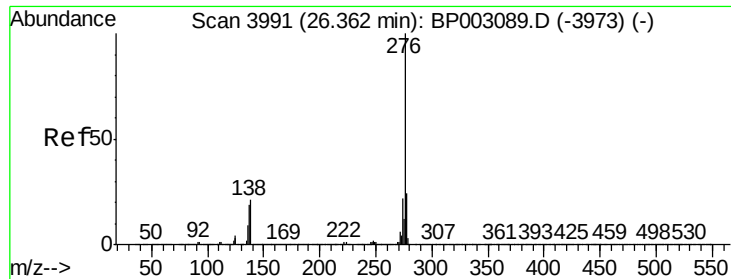
mohammad
8/27/2020 3:14:47 PM



#91
Dibenzo(a,h)anthracene
Concen: 5.441 ng m
RT: 25.67 min Scan# 3873
Delta R.T. -0.02 min
Lab File: BP003125.D
Acq: 26 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	12.8	19.2#
279	25.5	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 22.002 ng
 RT: 26.36 min Scan# 3991
 Delta R.T. -0.00 min
 Lab File: BP003125.D
 Acq: 26 Aug 2020 21:26

Instrument :
 BNA_P
 ClientSampleId :
 1994DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.2
138	21.1	17.0	25.6

Manual Integrations
 APPROVED

mohammad
 8/27/2020 3:14:47 PM

