

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000856.D
 Acq On : 17 Oct 2019 23:51
 Operator : JU
 Sample : K5393-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 T-9-U1-U3-(0-28)

Manual Integrations
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mohammad
 10/20/2019 8:16:28 PM

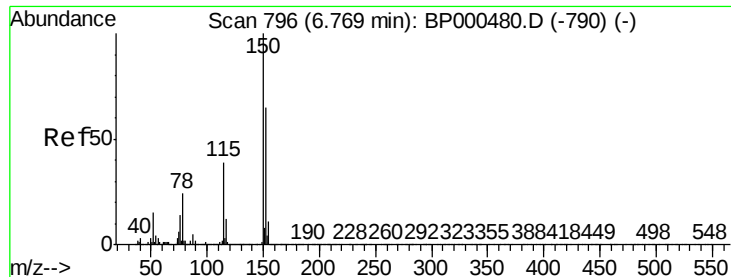
Quant Time: Oct 18 07:19:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	235923	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	805295	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	399446	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	663766	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	519082	20.00	ng	0.00
87) Perylene-d12	15.46	264	621677	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1273614	86.78	ng	-0.01
7) Phenol-d6	6.40	99	1571390	88.85	ng	-0.01
23) Nitrobenzene-d5	7.31	82	878714	66.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	412482	96.90	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1750500	70.91	ng	-0.02
79) Terphenyl-d14	12.90	244	1640137	63.98	ng	-0.01

Target Compounds				Qvalue		
10) Phenol	6.41	94	72301	3.993	ng	97
31) Naphthalene	8.05	128	153754	4.088	ng	99
37) 2-Methylnaphthalene	8.75	142	71033	2.813	ng	98
38) 1-Methylnaphthalene	8.85	142	49759	2.086	ng	98
49) Acenaphthylene	9.66	152	72505	2.061	ng	99
50) Dimethylphthalate	9.51	163	309710	11.159	ng	99
71) Phenanthrene	11.32	178	918074	27.540	ng	100
72) Anthracene	11.37	178	163354	4.942	ng	99
73) Carbazole	11.53	167	77807	2.539	ng	99
75) Fluoranthene	12.53	202	1882224	50.273	ng	99
78) Pyrene	12.76	202	1679158	46.903	ng	99
81) Benzo(a)anthracene	13.96	228	937172	29.590	ng	96
83) Chrysene	14.00	228	961464	30.930	ng	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	72924	3.717	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	714086	18.390	ng	# 94
88) Benzo(b)fluoranthene	15.03	252	1382541m	39.200	ng	
89) Benzo(k)fluoranthene	15.06	252	502885m	14.977	ng	
90) Benzo(a)pyrene	15.40	252	944249	28.720	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	181175m	5.682	ng	
92) Benzo(a,h,i)perylene	17.38	276	722288	22.292	ng	97

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



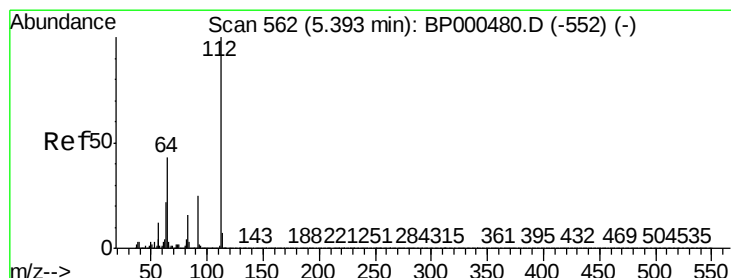
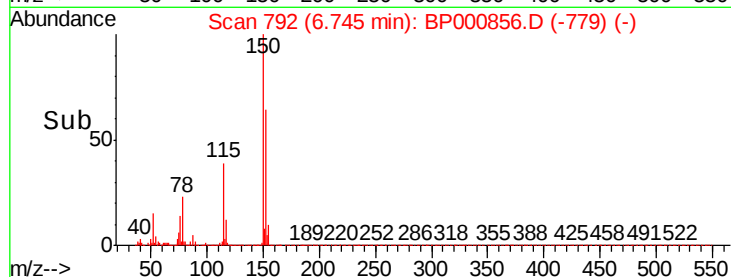
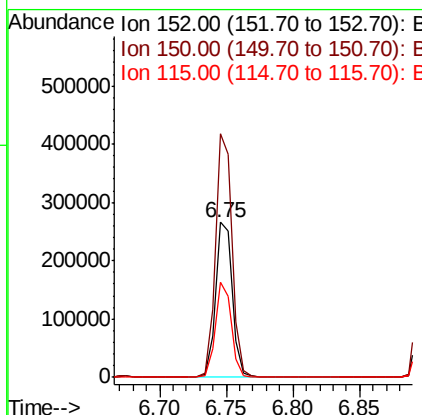
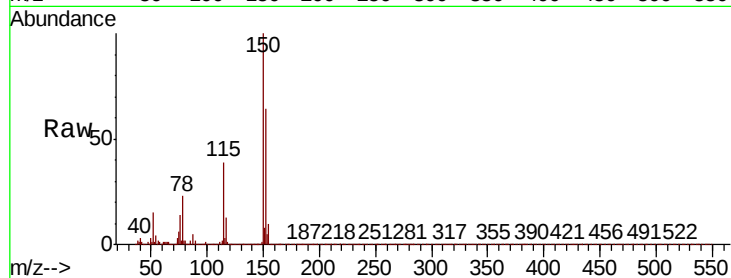
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.02 min
 Lab File: BP000856.D
 Acq: 17 Oct 2019 23:51

Instrument :
 BNA_P
 ClientSampleId :
 T-9-U1-U3-(0-28)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.1	186.1
115	61.3	48.7	73.1

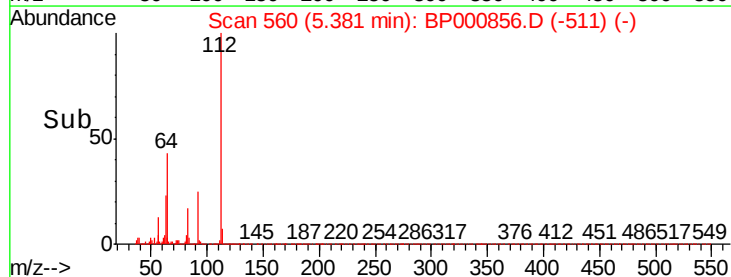
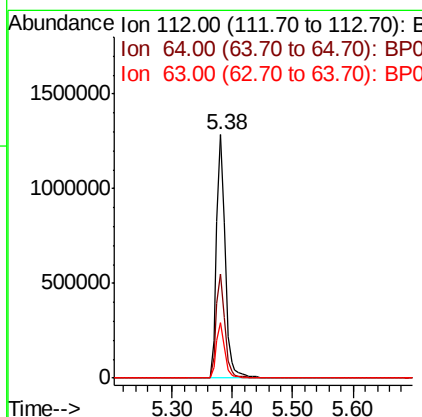
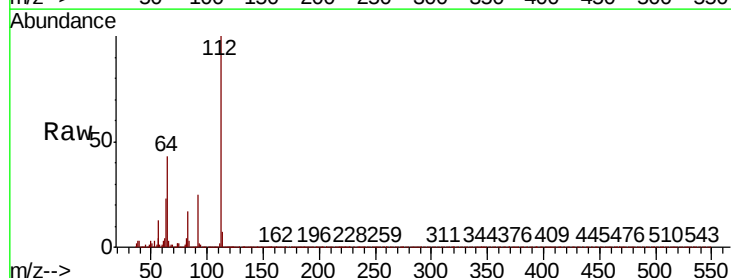
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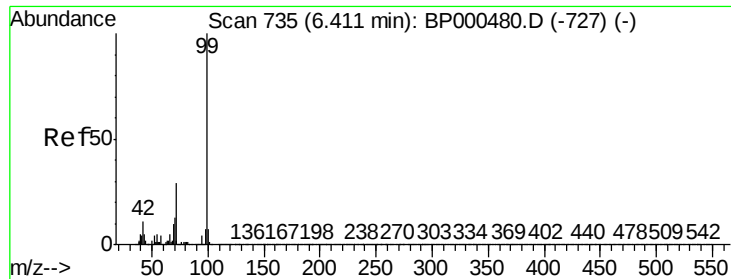
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#5
 2-Fluorophenol
 Concen: 86.777 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BP000856.D
 Acq: 17 Oct 2019 23:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.9	34.2	51.4
63	22.7	17.9	26.9





#7

Phenol-d6

Concen: 88.848 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Instrument :

BNA_P

ClientSampleId :

T-9-U1-U3-(0-28)

Tot Ion: 99 Resp: 1571390

Ion Ratio Lower Upper

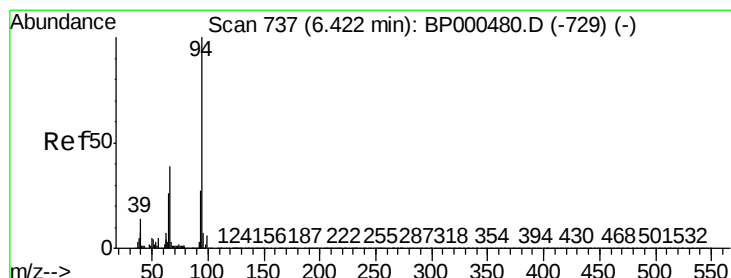
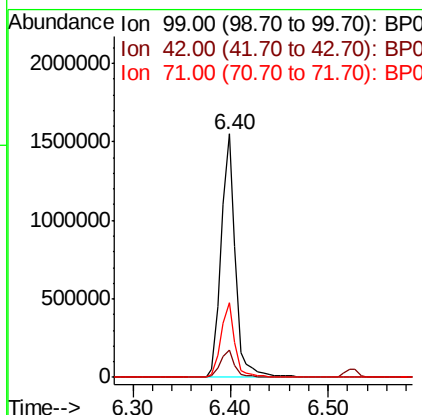
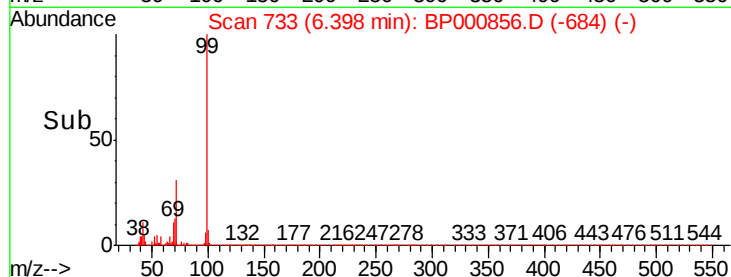
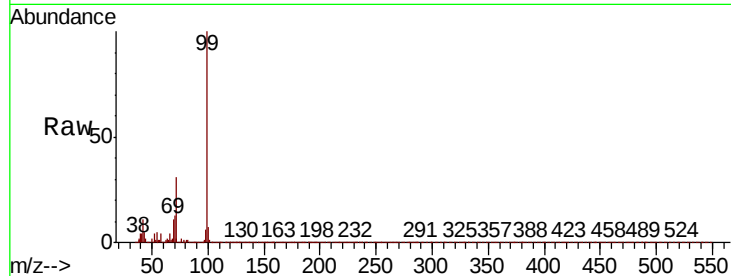
99 100

42 11.0 8.6 12.8

71 30.6 23.0 34.4

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#10

Phenol

Concen: 3.993 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

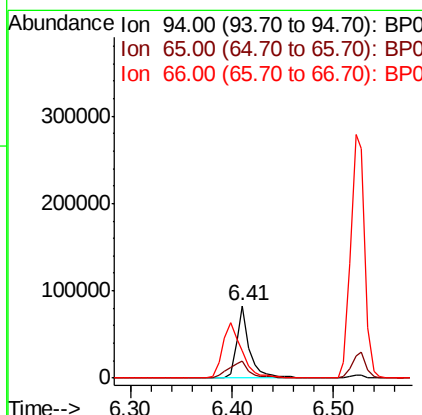
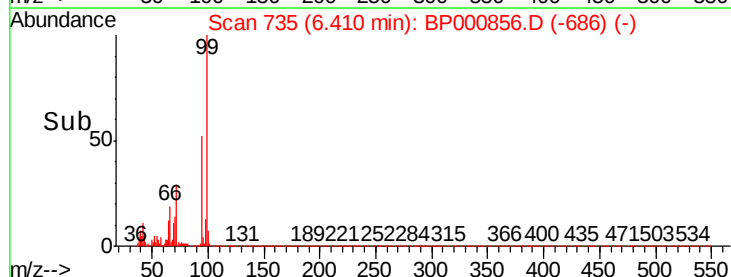
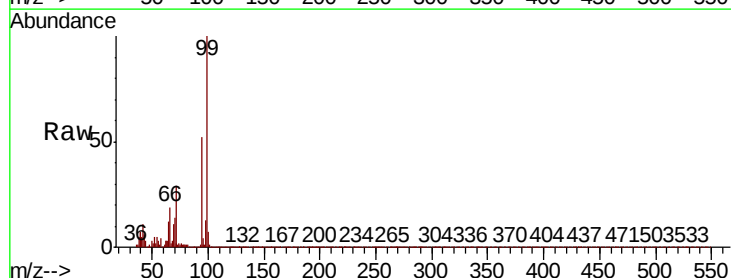
Tgt Ion: 94 Resp: 72301

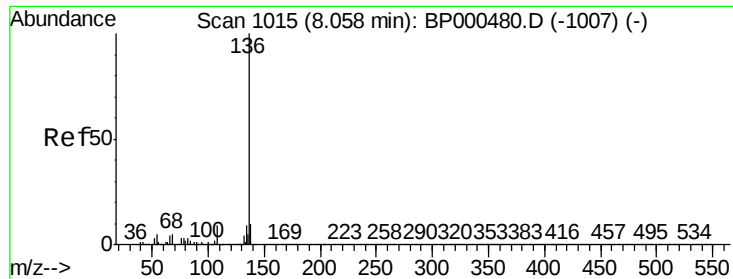
Ion Ratio Lower Upper

94 100

65 23.4 5.9 45.9

66 37.6 18.8 58.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Instrument :

BNA_P

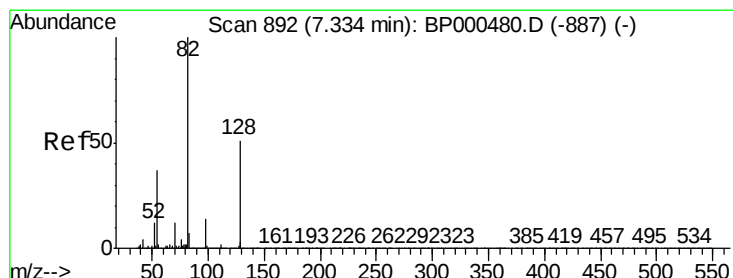
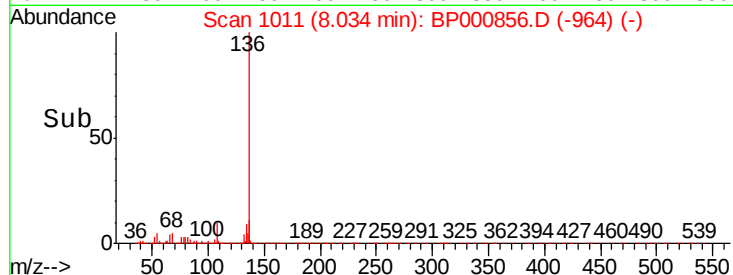
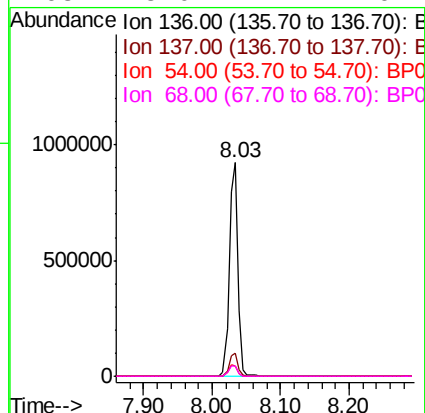
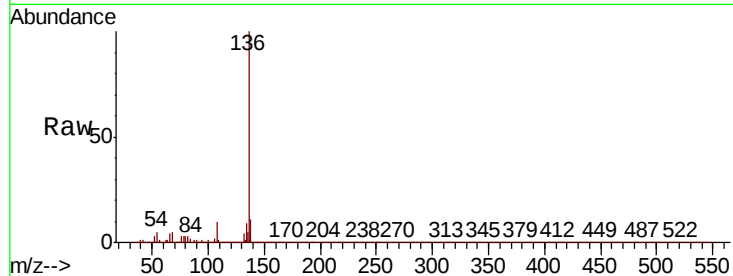
ClientSampleId :

T-9-U1-U3-(0-28)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.5	8.2	12.4
54	5.0	4.1	6.1
68	5.0	4.1	6.1

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#23

Nitrobenzene-d5

Concen: 66.644 ng

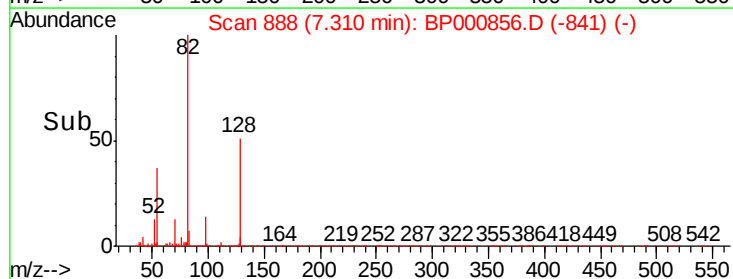
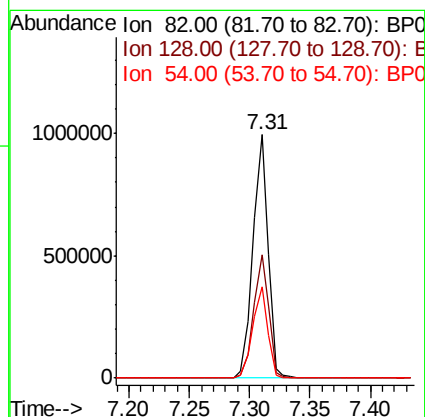
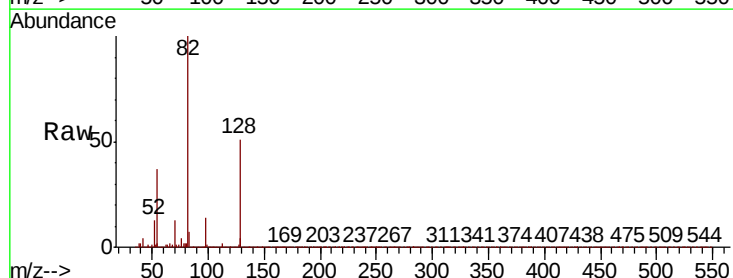
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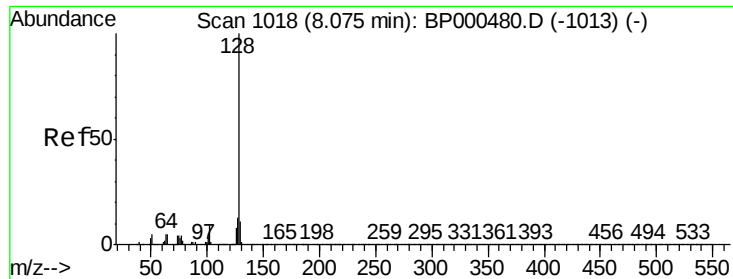
Delta R.T. -0.02 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	50.6	40.9	61.3
54	37.5	29.4	44.2





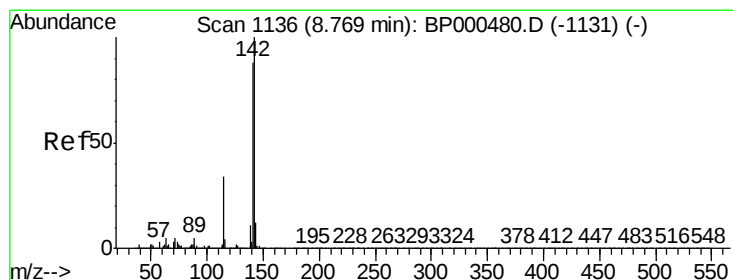
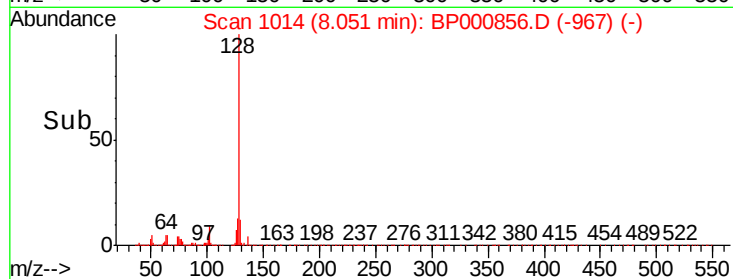
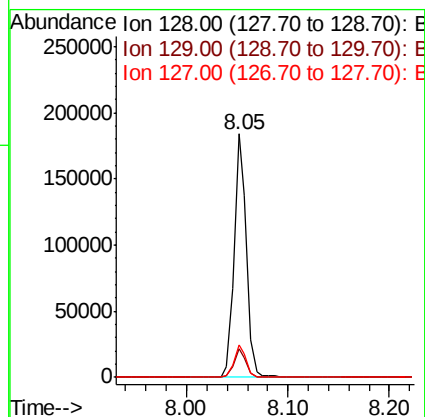
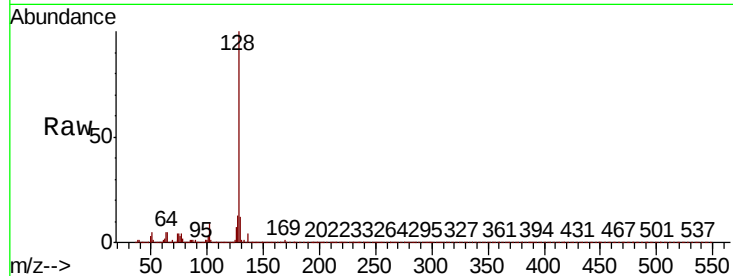
#31
Naphthalene
Concen: 4.088 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Instrument :
BNA_P
ClientSampleId :
T-9-U1-U3-(0-28)

Tot Ion	Ratio	Resp	Lower	Upper
128	100	153754		
129	11.7	9.0	13.6	
127	13.2	10.5	15.7	

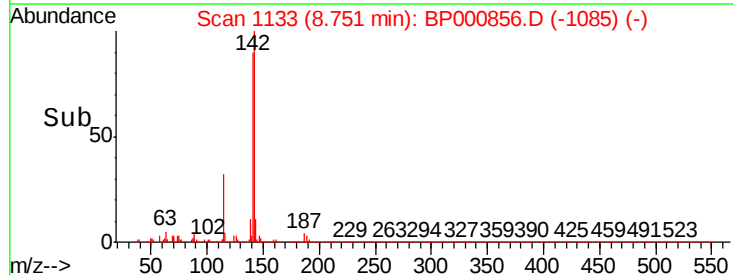
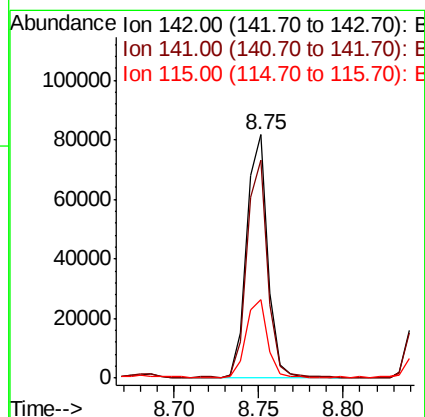
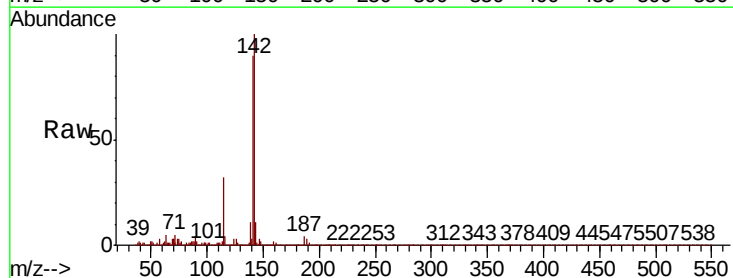
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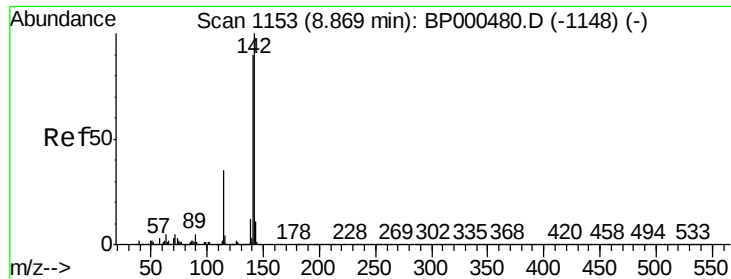
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#37
2-Methylnaphthalene
Concen: 2.813 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	71033		
141	89.7	70.6	106.0	
115	32.3	27.4	41.0	





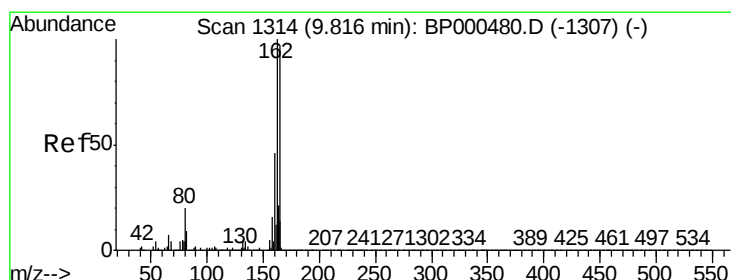
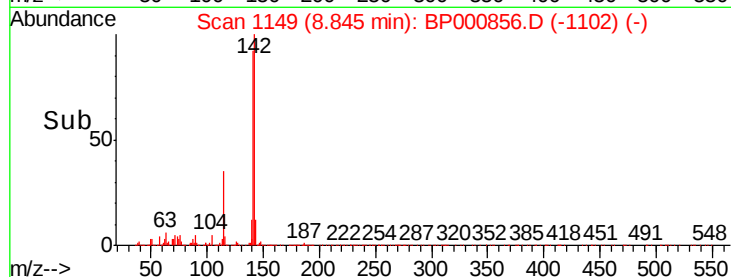
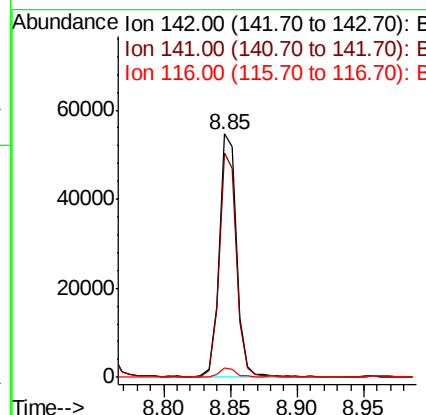
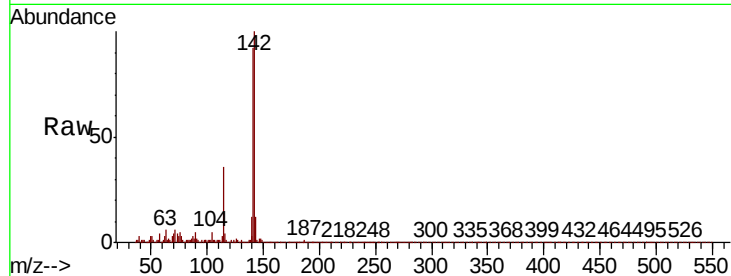
#38
1-Methylnaphthalene
Concen: 2.086 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Instrument :
BNA_P
ClientSampleId :
T-9-U1-U3-(0-28)

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	71.9	107.9
116	4.0	3.0	4.4

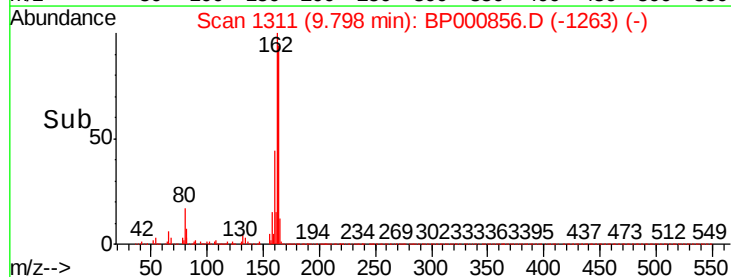
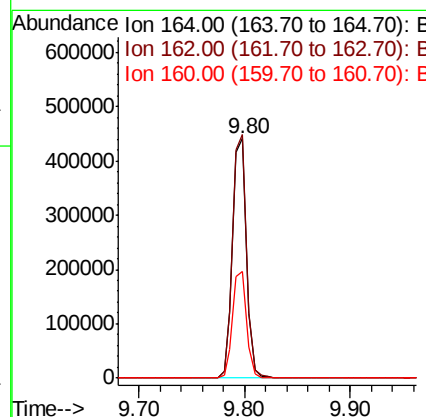
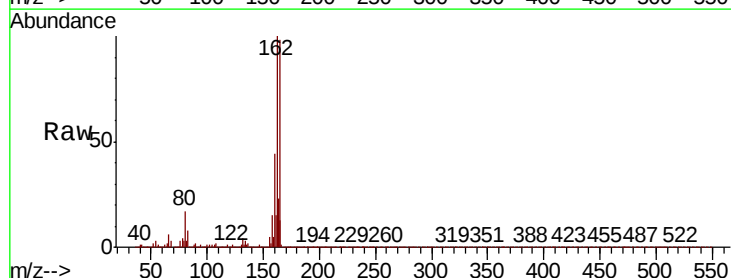
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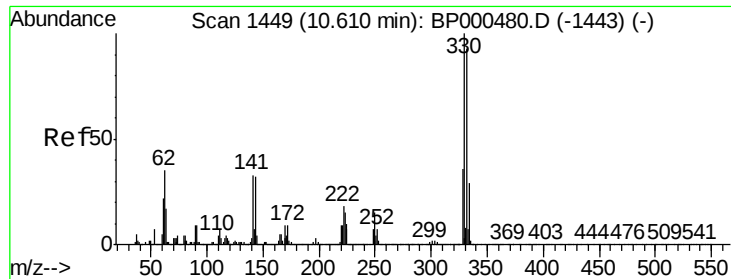
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.2
160	44.5	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 96.905 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Instrument :

BNA_P

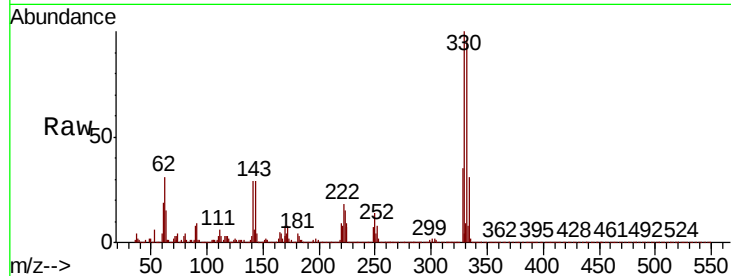
ClientSampleId :

T-9-U1-U3-(0-28)

Tot Ion:	330	Resp:	412482
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.1	115.7
141	29.4	26.0	39.0

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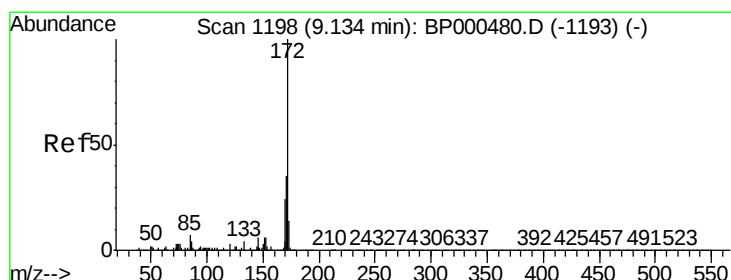
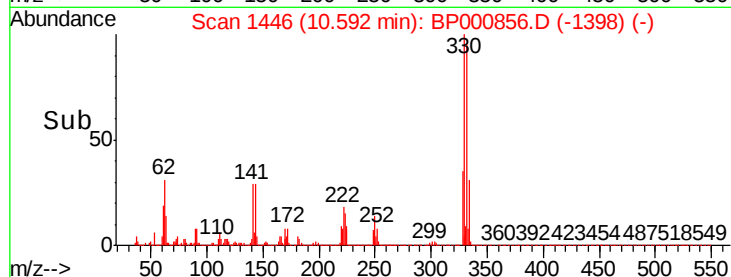
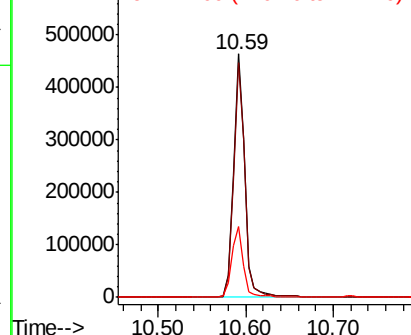


Abundance

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: 70.906 ng

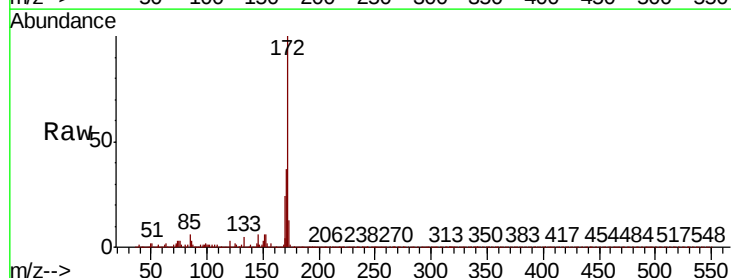
RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Tgt Ion:	172	Resp:	1750500
Ion Ratio	Lower	Upper	
172	100		
171	36.6	28.4	42.6
170	24.3	19.1	28.7

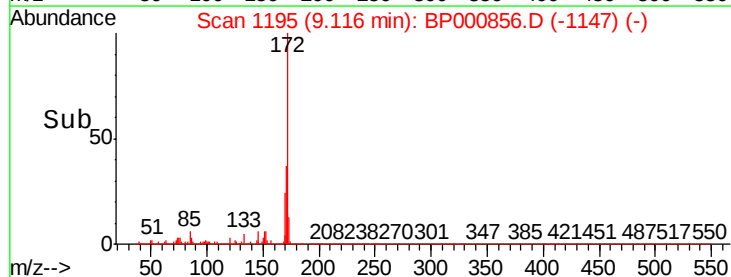
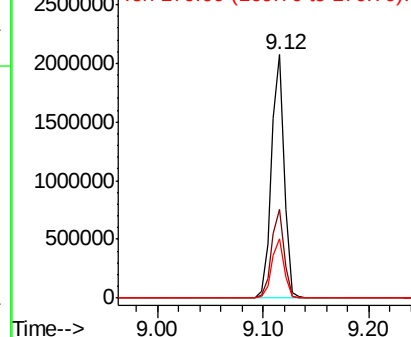


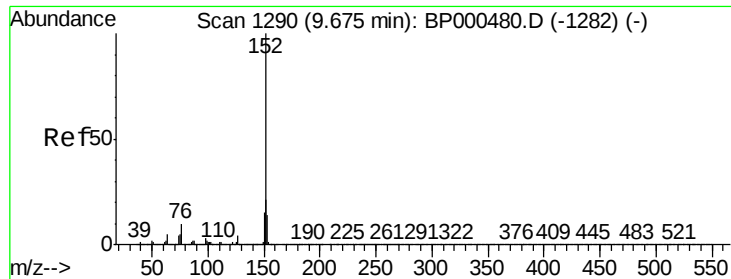
Abundance

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





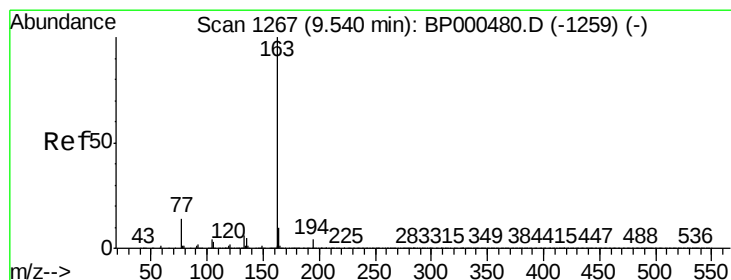
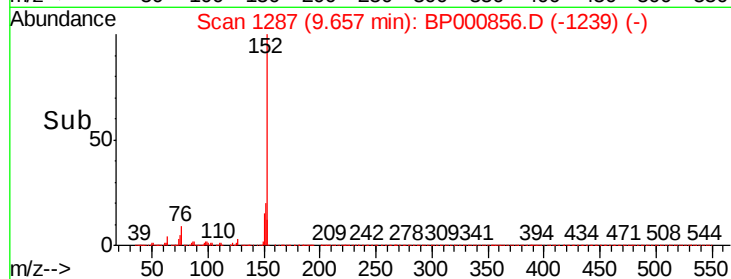
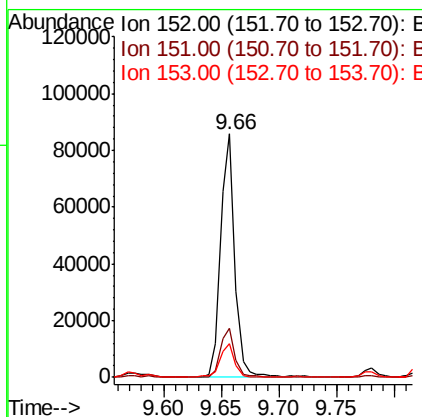
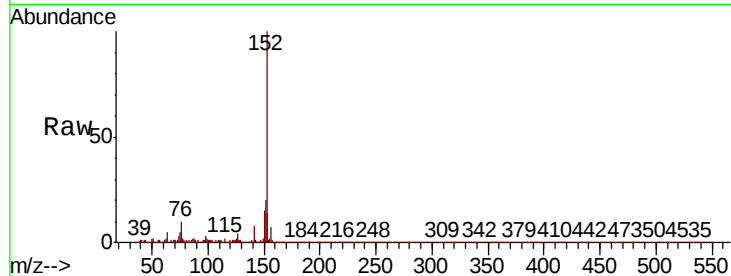
#49
Acenaphthylene
Concen: 2.061 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Instrument :
BNA_P
ClientSampleId :
T-9-U1-U3-(0-28)

Tot Ion:	152	Resp:	72505
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.6	25.0
153	14.1	11.0	16.6

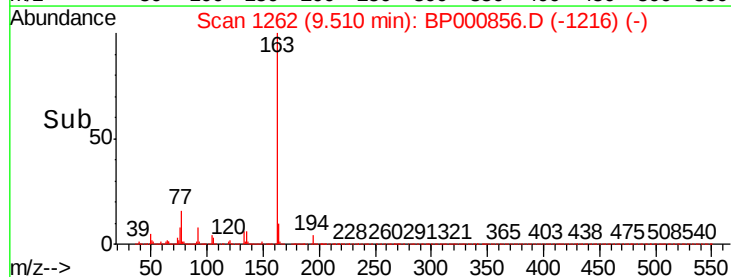
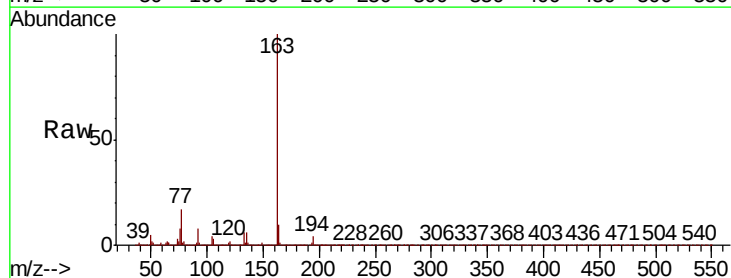
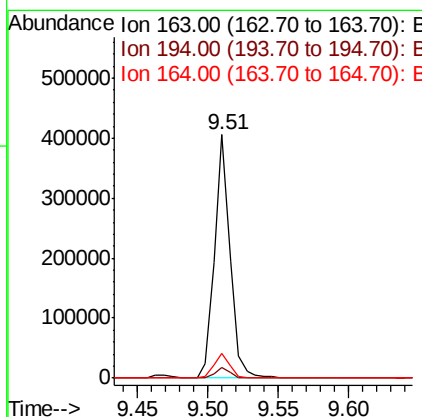
Manual Integrations
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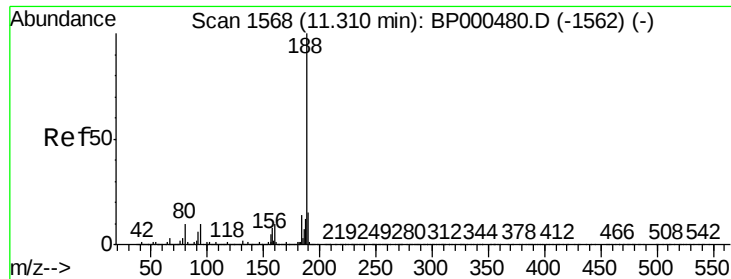
mohammad
10/20/2019 8:16:28 PM



#50
Dimethylphthalate
Concen: 11.159 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Tgt Ion:	163	Resp:	309710
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.2
164	10.3	8.0	12.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Instrument :

BNA_P

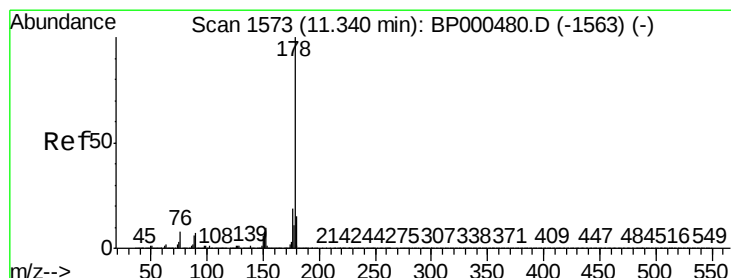
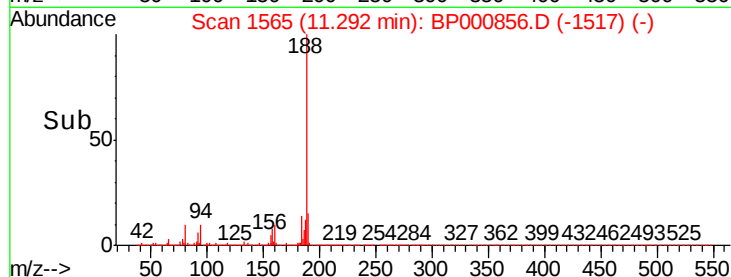
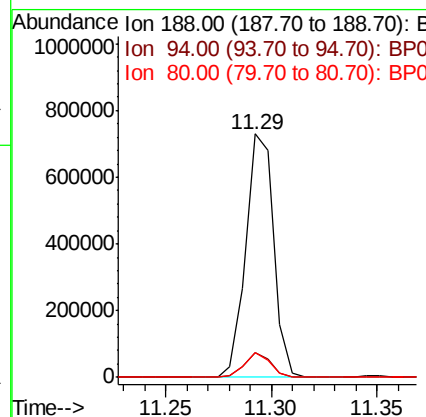
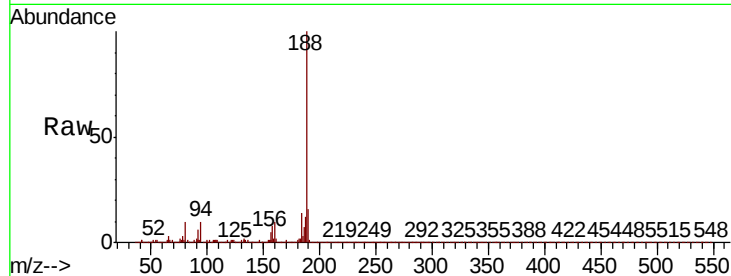
ClientSampleId :

T-9-U1-U3-(0-28)

Tot Ion:	188	Resp:	663766
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.2	12.2
80	10.0	8.3	12.5

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#71

Phenanthrene

Concen: 27.540 ng

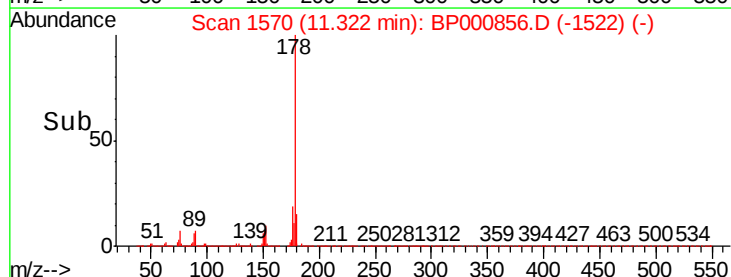
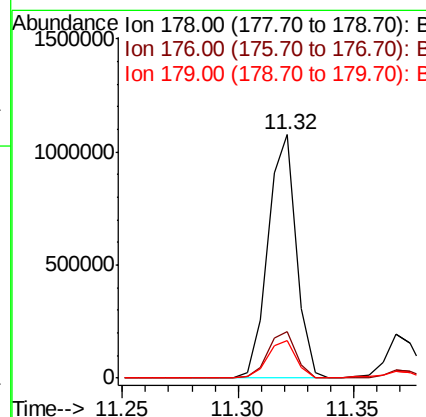
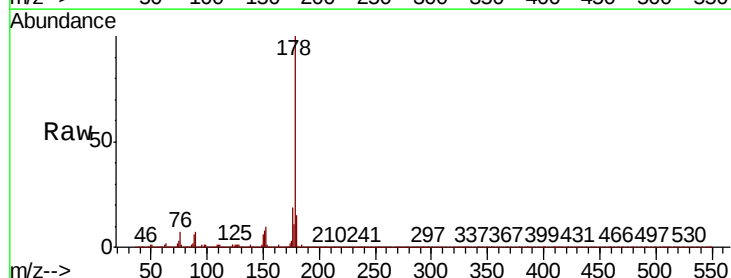
RT: 11.32 min Scan# 1570

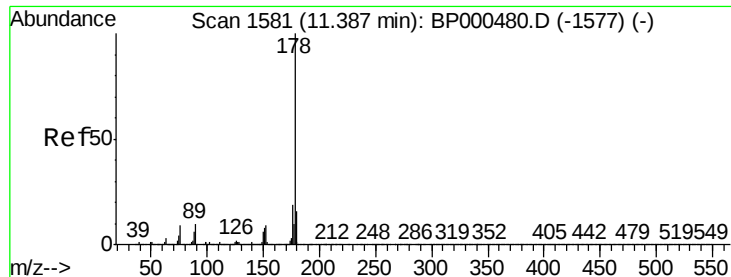
Delta R.T. -0.02 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Tgt Ion:	178	Resp:	918074
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.2
179	15.4	12.2	18.4





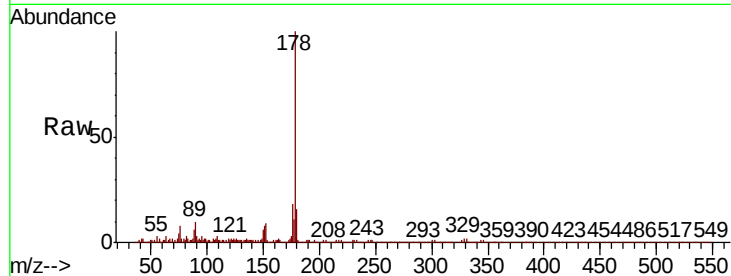
#72
 Anthracene
 Concen: 4.942 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BP000856.D
 Acq: 17 Oct 2019 23:51

Instrument :
 BNA_P
 ClientSampleId :
 T-9-U1-U3-(0-28)

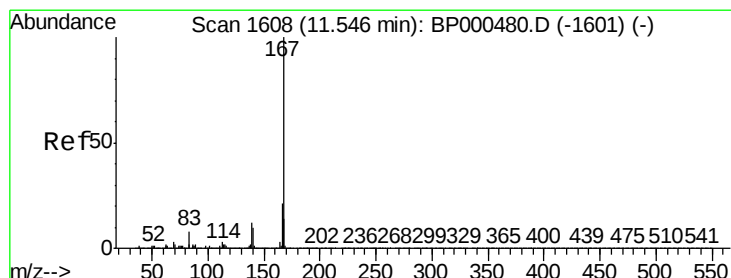
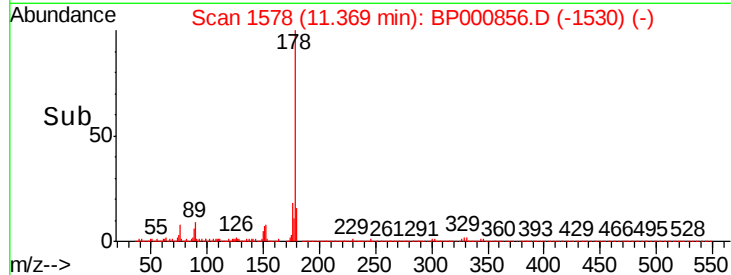
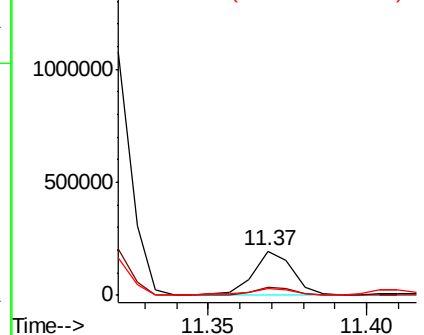
Tot Ion:178	Resp:	163354
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.4 23.0
179	16.1	12.6 19.0

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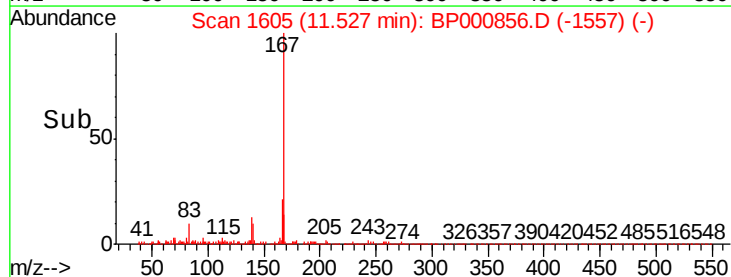
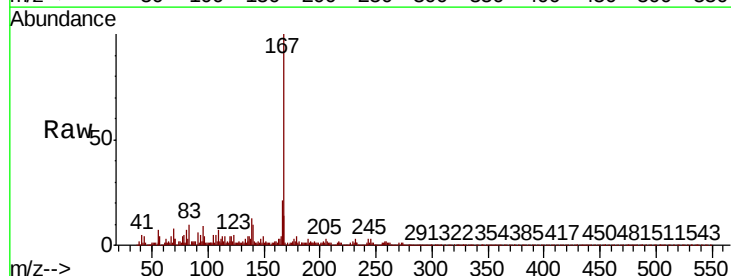
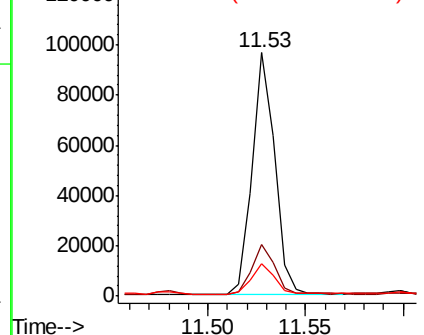
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

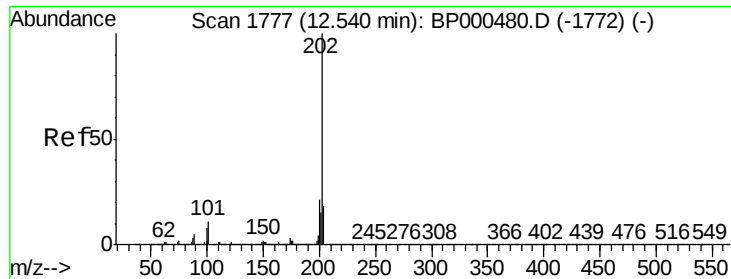


#73
 Carbazole
 Concen: 2.539 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.02 min
 Lab File: BP000856.D
 Acq: 17 Oct 2019 23:51

Tgt Ion:167	Resp:	77807
Ion Ratio	Lower	Upper
167	100	
166	21.3	16.9 25.3
139	13.3	9.7 14.5

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





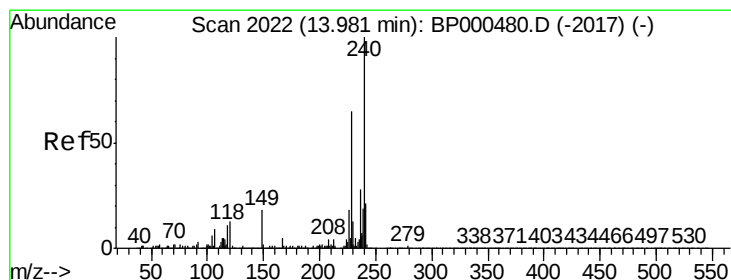
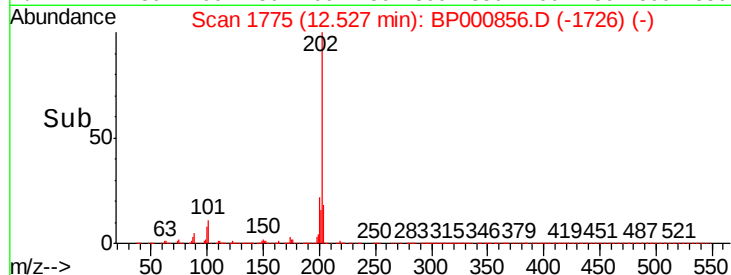
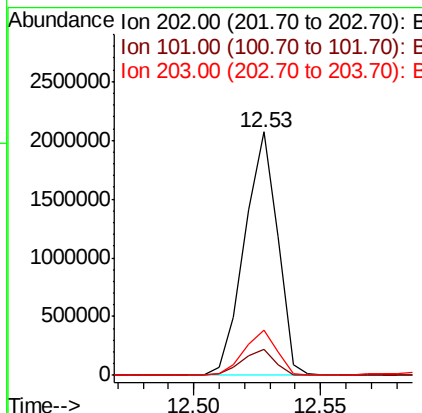
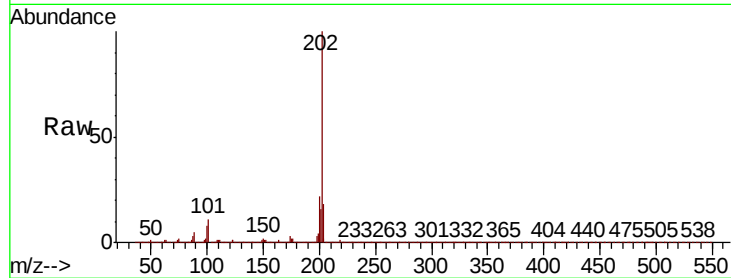
#75
Fluoranthene
Concen: 50.273 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Instrument :
BNA_P
ClientSampleId :
T-9-U1-U3-(0-28)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1882224		
101	10.8	0.0	31.3		
203	18.4	0.0	38.1		

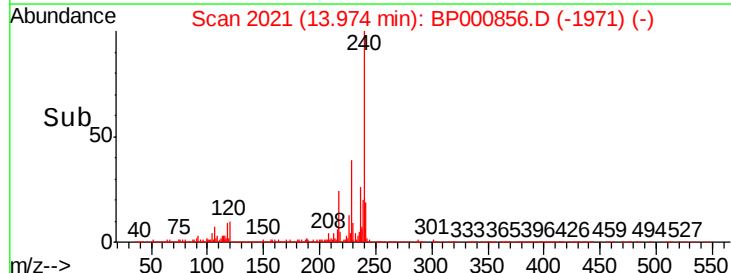
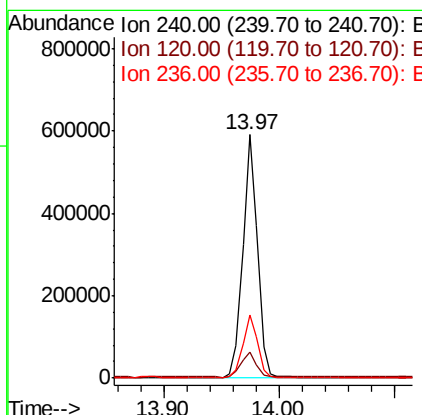
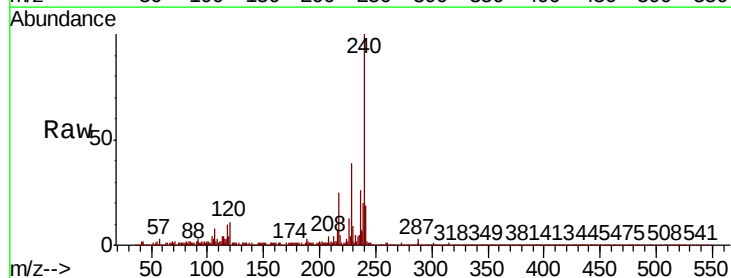
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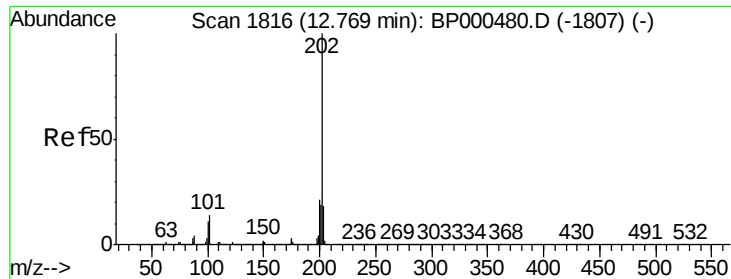
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		519082		
120	10.9	10.1	15.1		
236	25.8	22.7	34.1		





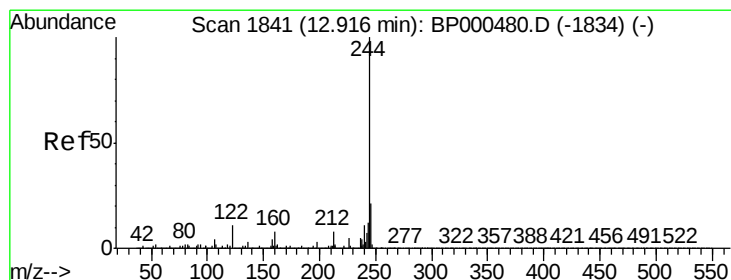
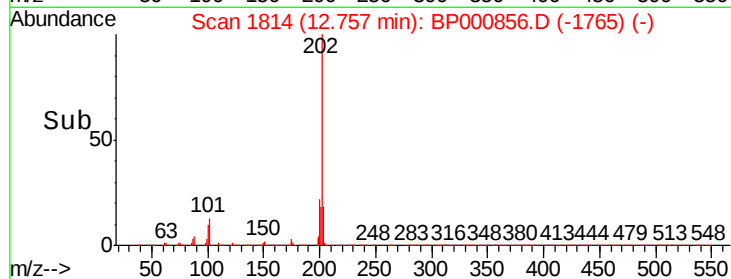
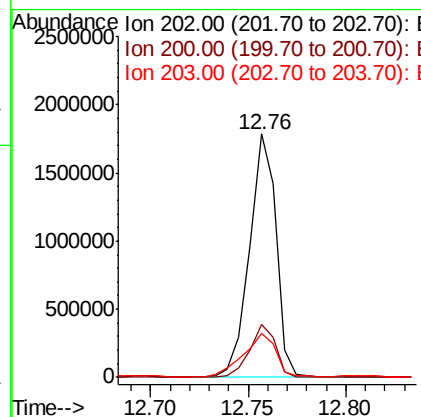
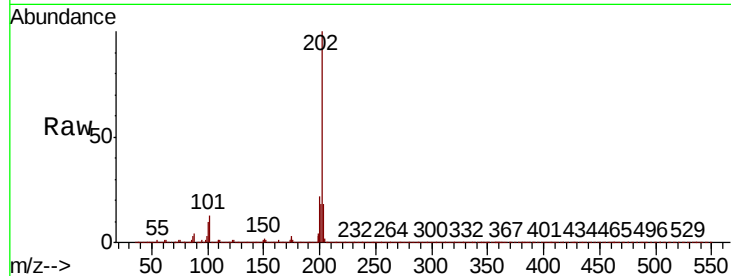
#78
Pvrene
Concen: 46.903 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Instrument :
BNA_P
ClientSampleId :
T-9-U1-U3-(0-28)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.1	25.7
203	18.2	14.6	21.8

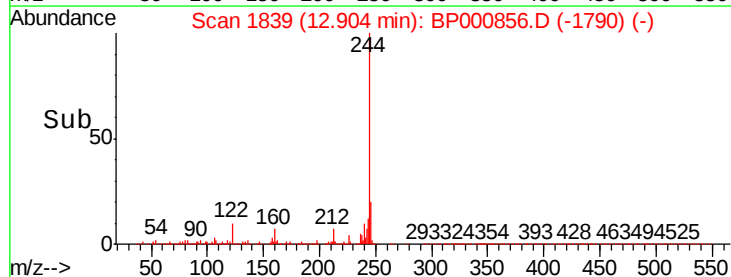
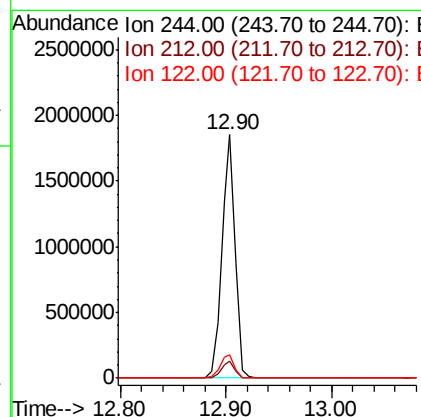
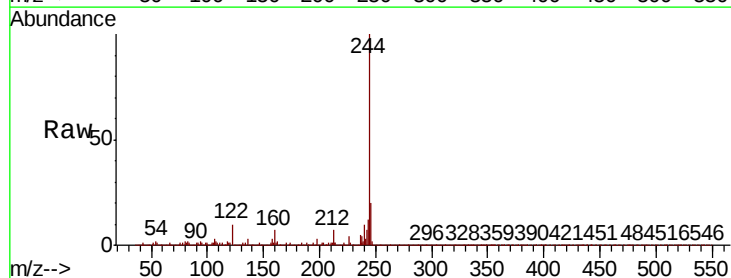
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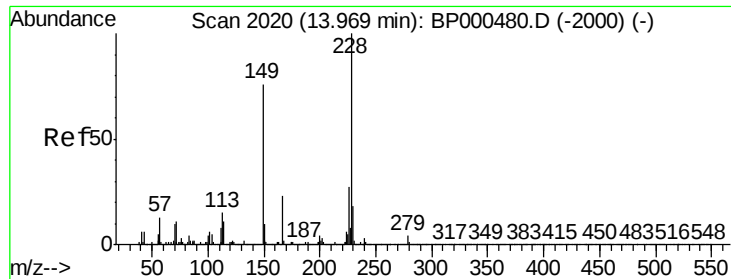
mohammad
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#79
Terphenyl-d14
Concen: 63.975 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	9.9	8.9	13.3





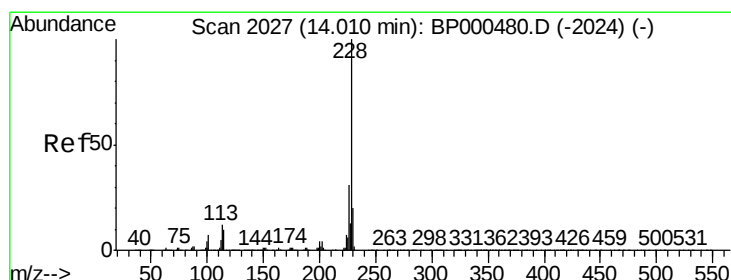
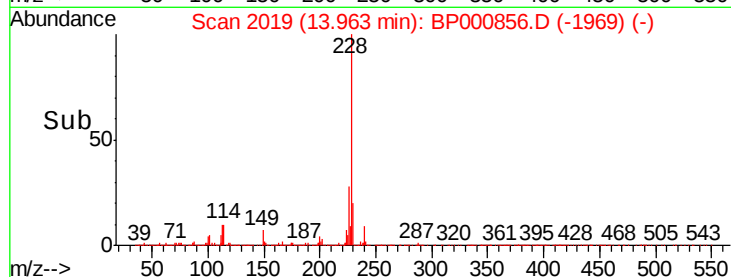
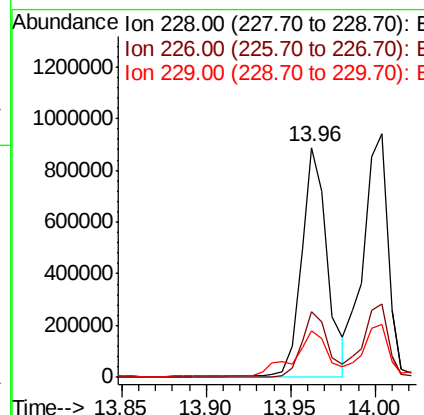
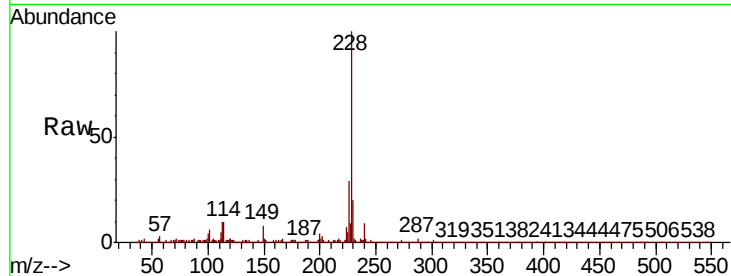
#81
Benzo(a)anthracene
Concen: 29.590 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Instrument :
BNA_P
ClientSampleId :
T-9-U1-U3-(0-28)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.2
229	20.4	14.7	22.1

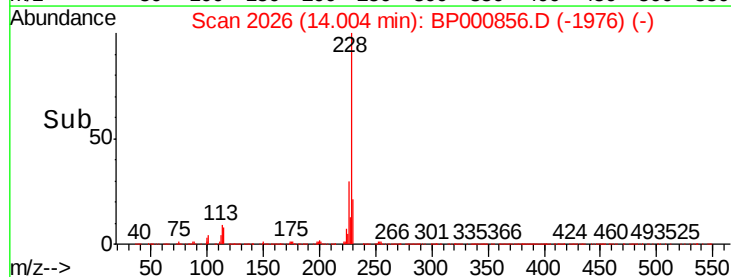
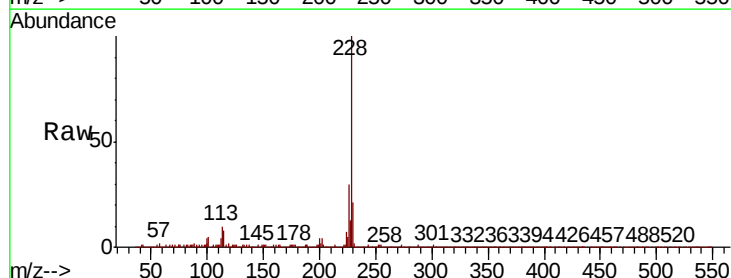
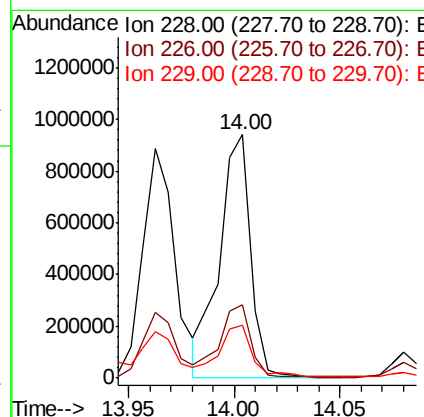
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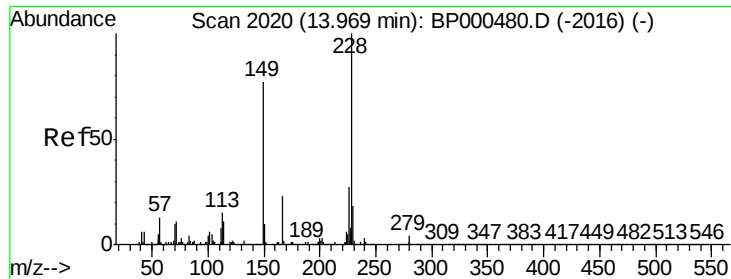
mohammad
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#83
Chrysene
Concen: 30.930 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	21.5	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.717 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Instrument :

BNA_P

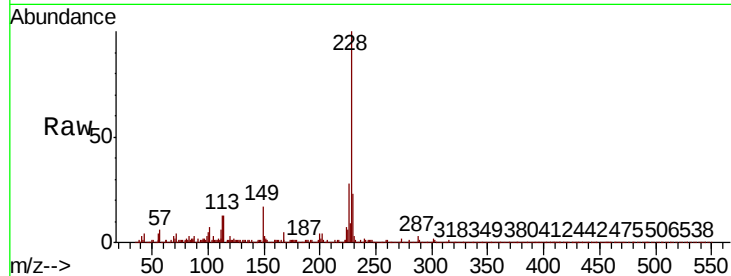
ClientSampleId :

T-9-U1-U3-(0-28)

Tot Ion:	149	Resp:	72924
Ion Ratio	Lower	Upper	
149	100		
167	27.9	23.6	35.4
279	4.7	3.9	5.9

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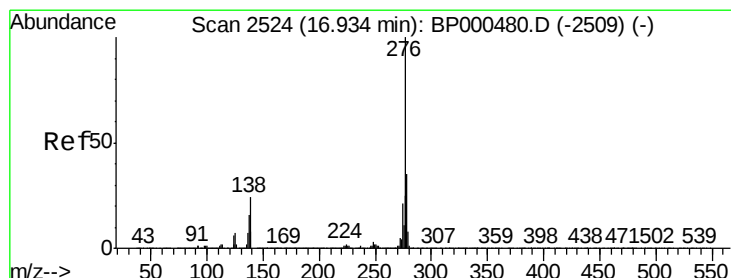
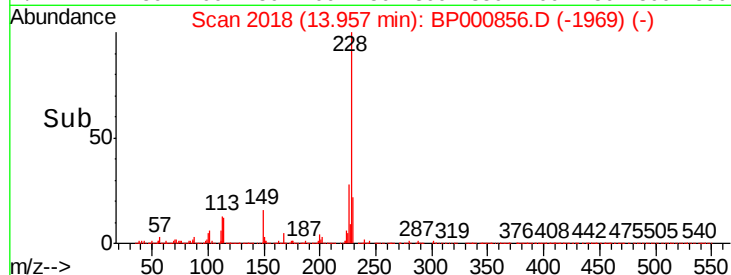
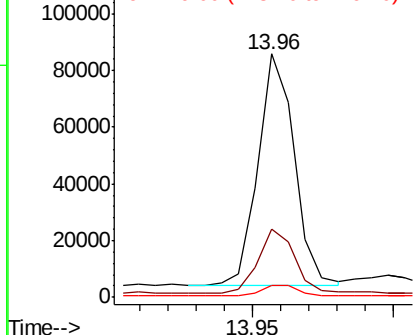


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 18.390 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

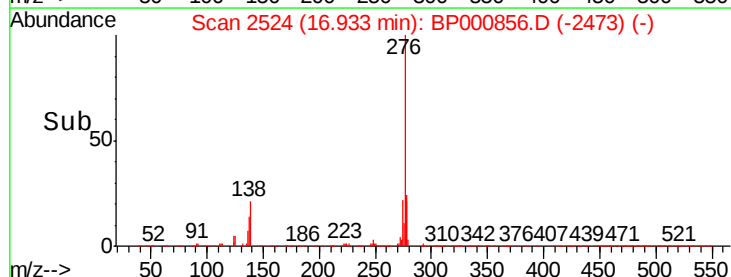
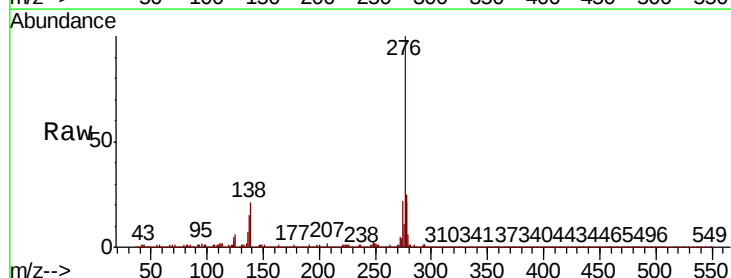
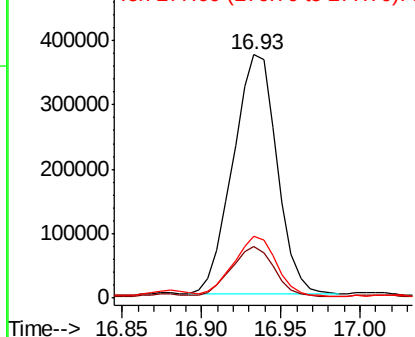
Tgt Ion:	276	Resp:	714086
Ion Ratio	Lower	Upper	
276	100		
138	20.8	20.9	31.3#
277	24.5	20.6	30.8

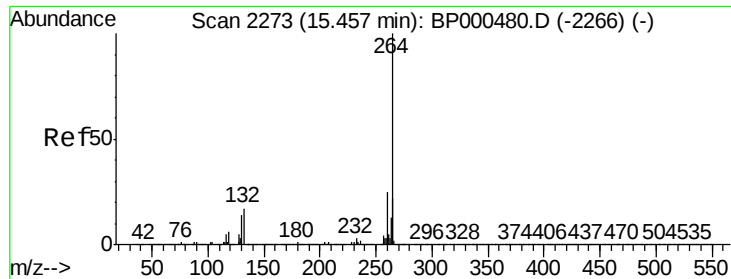
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





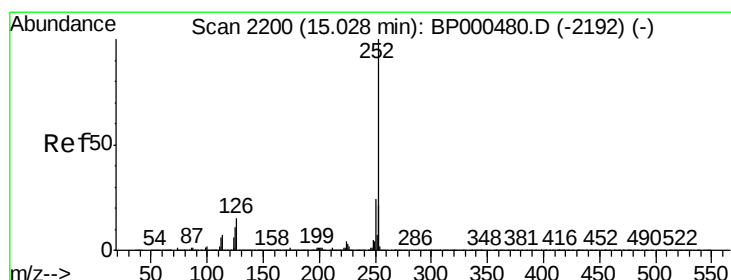
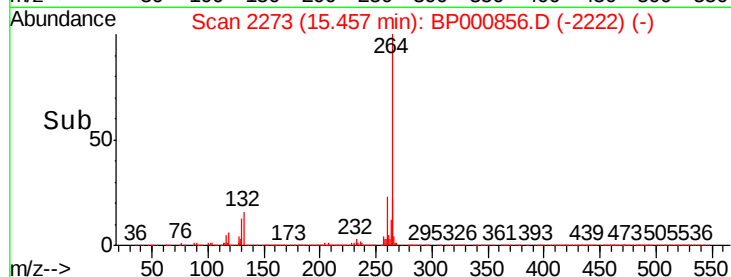
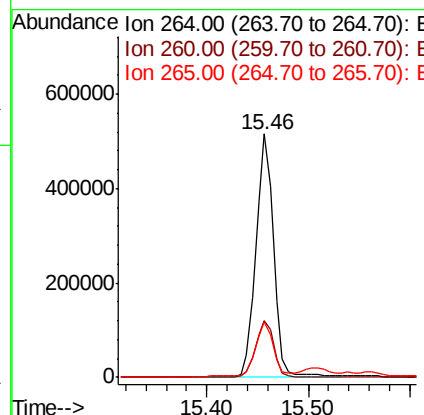
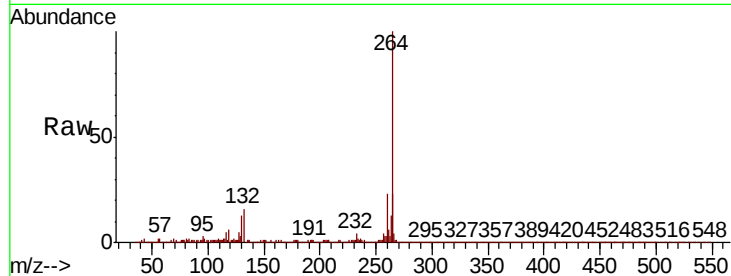
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Instrument :
BNA_P
ClientSampleId :
T-9-U1-U3-(0-28)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	20.3	30.5
265	22.6	18.0	27.0

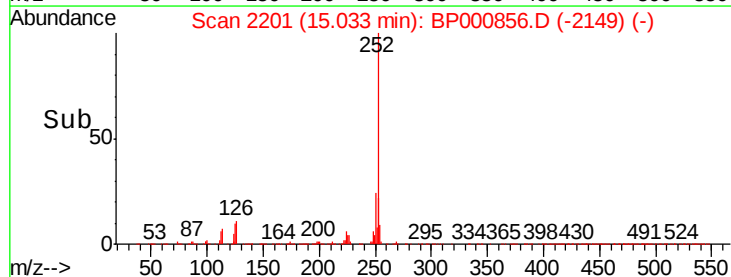
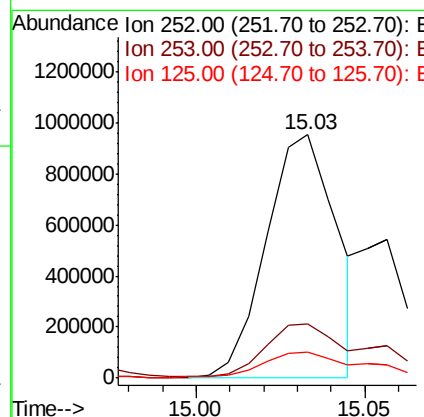
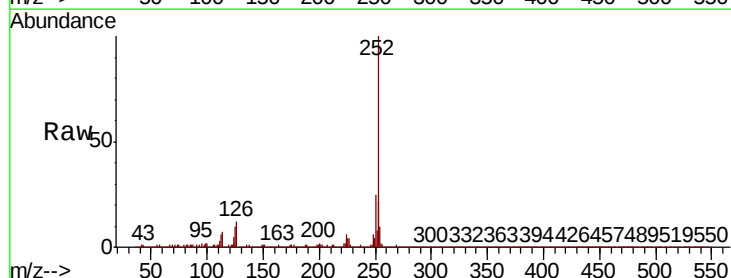
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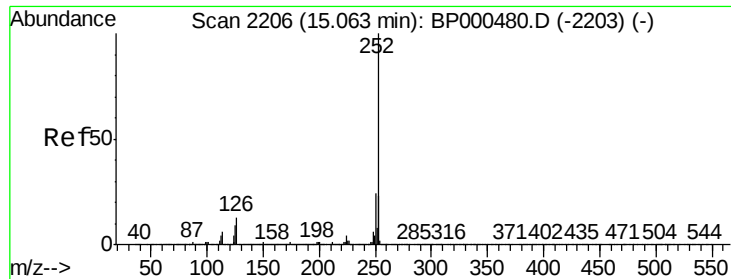
mohammad
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#88
Benzo(b)fluoranthene
Concen: 39.200 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	10.5	8.9	13.3





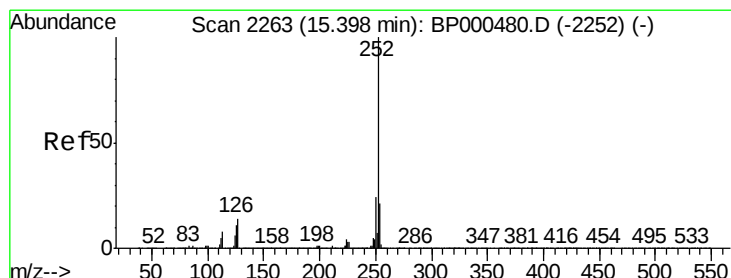
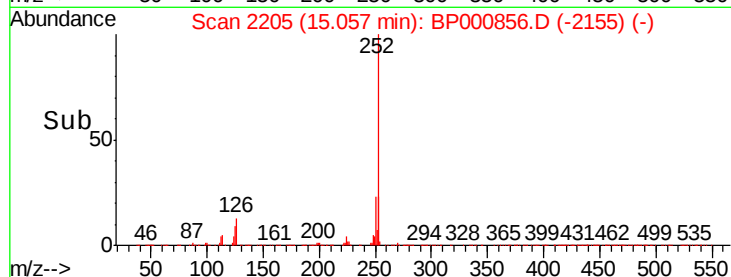
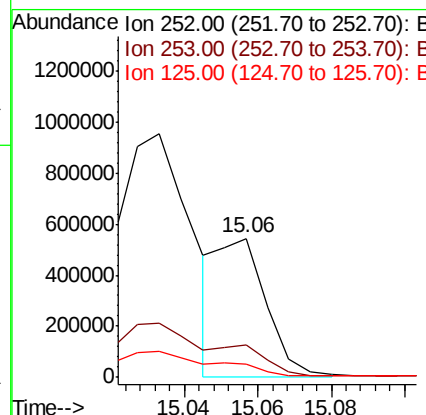
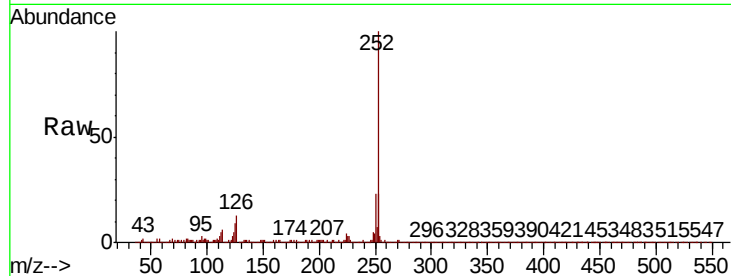
#89
Benzo(k)fluoranthene
Concen: 14.977 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Instrument :
BNA_P
ClientSampleId :
T-9-U1-U3-(0-28)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	9.4	7.8	11.8

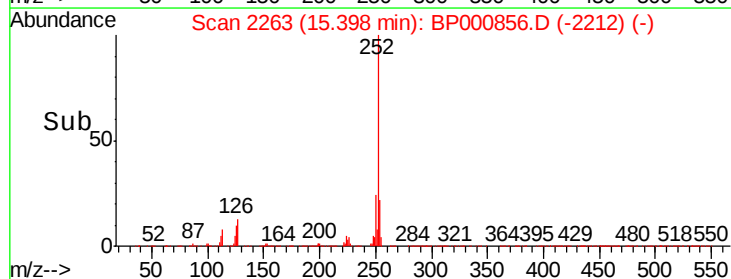
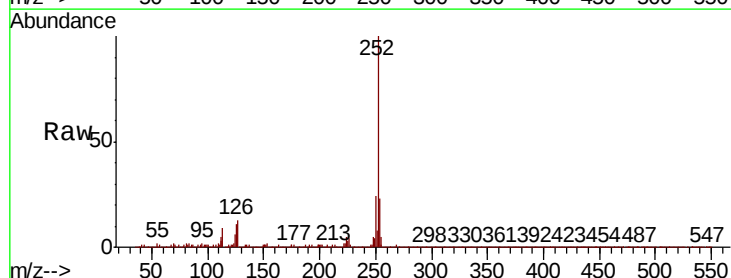
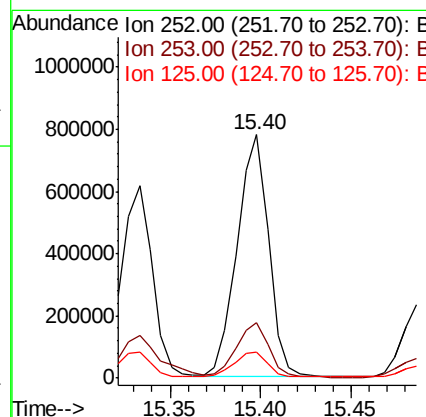
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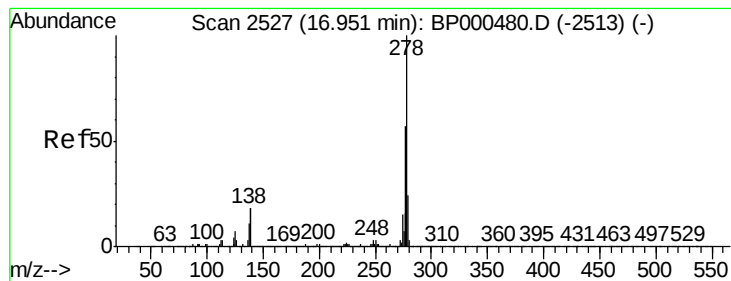
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#90
Benzo(a)pyrene
Concen: 28.720 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BP000856.D
Acq: 17 Oct 2019 23:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	10.7	8.4	12.6





#91

Dibenzo(a,h)anthracene

Concen: 5.682 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Instrument :

BNA_P

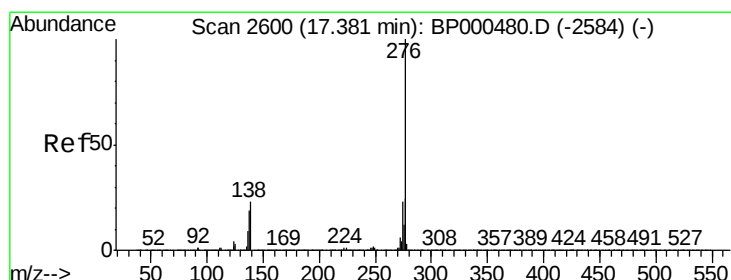
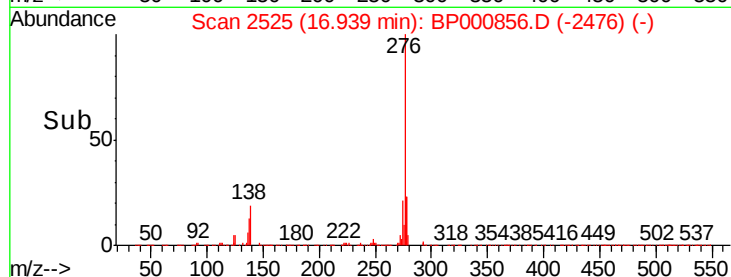
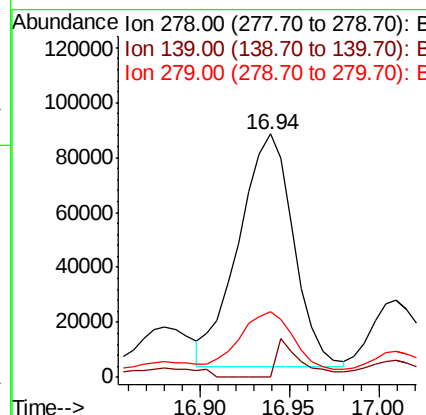
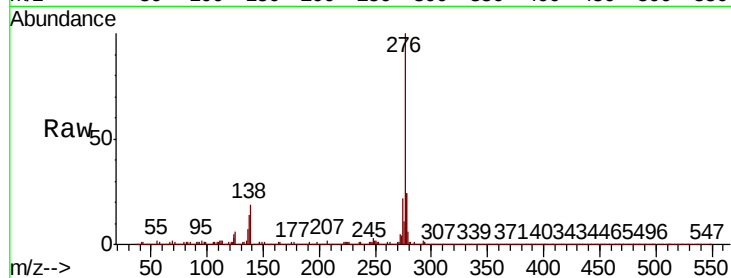
ClientSampleId :

T-9-U1-U3-(0-28)

Tot Ion:	278	Resp:	181175
Ion Ratio	Lower	Upper	
278	100		
139	0.0	14.1	21.1#
279	26.9	19.5	29.3

Manual Integrations
APPROVED

mohammad
10/20/2019 8:16:28 PM



#92

Benzo(g,h,i)perylene

Concen: 22.292 ng

RT: 17.38 min Scan# 2600

Delta R.T. -0.00 min

Lab File: BP000856.D

Acq: 17 Oct 2019 23:51

Tgt Ion:	276	Resp:	722288
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.4	29.2
138	20.5	18.5	27.7

