

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
 Data File : BP004303.D
 Acq On : 15 Dec 2020 14:29
 Operator : CG/JU
 Sample : L5001-13
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54D1

Manual Integrations
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mohammad
 12/17/2020 9:52:40 AM

Quant Time: Dec 15 15:43:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 15 09:00:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	234233	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1011902	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.48	164	631067	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.25	188	1297908	20.00	ng/ul	0.00
78) Chrysene-d12	21.34	240	1156942	20.00	ng/ul	0.00
86) Perylene-d12	23.72	264	1467420m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	14031	2.10	ng/uL	0.00
5) Phenol-d5	7.00	99	361855	18.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	190739	15.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	284341	19.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	285805	19.52	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	145375	17.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	152932	22.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	298226	19.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	245839	13.20	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	855998	17.75	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	1148212	18.65	ng/ul	0.00
52) 4-Nitrophenol-d4	14.68	143	115592	14.19	ng/ul	0.00
58) Fluorene-d10	15.48	176	759120	17.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.61	200	23743	3.81	ng/ul	0.00
71) Anthracene-d10	17.35	188	1116108	17.64	ng/ul	0.00
79) Pyrene-d10	19.59	212	1225336	20.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.56	264	1376053m	17.80	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	7.02	94	62917	3.110	ng/ul 98
16) 4-Methylphenol	8.60	108	24494	1.568	ng/ul 95
28) Naphthalene	10.68	128	501958	8.750	ng/ul 99
34) 2-Methylnaphthalene	12.30	142	244427	6.333	ng/ul 98
41) 1,1'-Biphenyl	13.31	154	105501	1.994	ng/ul 99
45) Dimethylphthalate	13.93	163	133642	2.720	ng/ul 99
48) Acenaphthylene	14.20	152	661583	10.829	ng/ul 99
50) Acenaphthene	14.55	153	1226087	28.345	ng/ul 100
54) Dibenzofuran	14.88	168	1218216	19.988	ng/ul 99
59) Fluorene	15.54	166	1646759	33.782	ng/ul 99
70) Phenanthrene	17.29	178	16445727m	214.777	ng/ul
72) Anthracene	17.38	178	5993381	79.114	ng/ul 98
75) Carbazole	17.65	167	2044611	33.166	ng/ul 99
77) Fluoranthene	19.26	202	18747729m	229.300	ng/ul
80) Pyrene	19.62	202	18327478m	234.842	ng/ul
83) Benzo(a)anthracene	21.33	228	12690377	166.407	ng/ul# 89
84) Bis(2-ethylhexyl)phthalate	21.25	149	1378140	39.509	ng/ul 99
85) Chrysene	21.39	228	11560211	154.521	ng/ul# 90
88) Benzo(b)fluoranthene	23.01	252	14867503m	159.764	ng/ul
89) Benzo(k)fluoranthene	23.04	252	5218419m	54.602	ng/ul
91) Benzo(a)pyrene	23.62	252	11398232m	131.257	ng/ul
92) Indeno(1,2,3-cd)pyrene	26.17	276	7768285m	71.332	ng/ul
93) Dibenzo(a,h)anthracene	26.17	278	2082872m	22.820	ng/ul

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A54D1

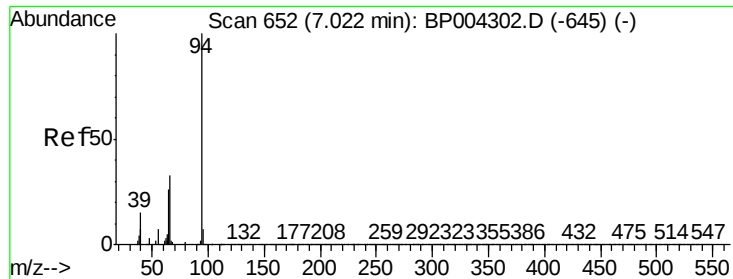
Manual Integrations
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12/17/2020 9:52:40 AM

Quant Time: Dec 15 15:43:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 15 09:00:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	26.92	276	5751649m	62.952	ng/ul	

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



#6

Phenol

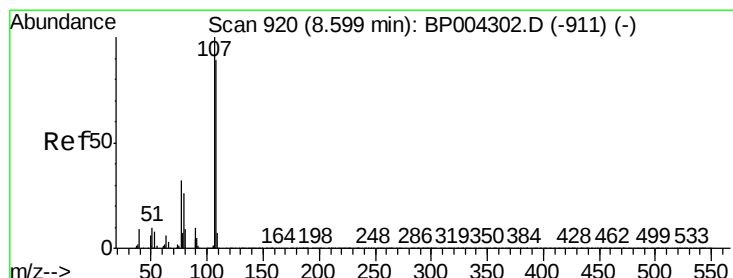
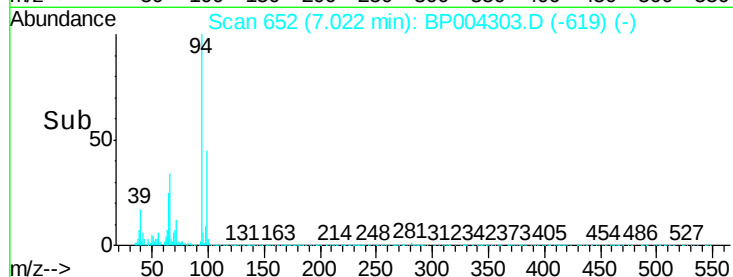
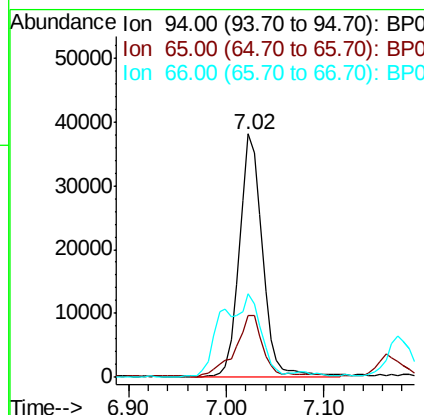
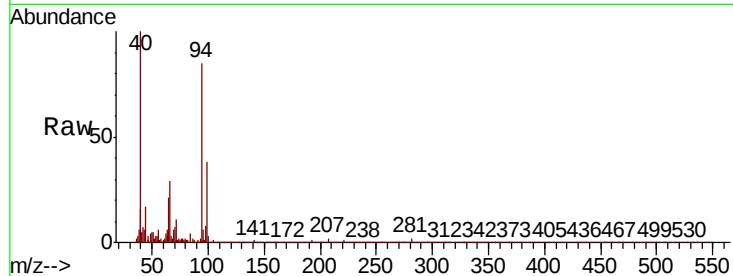
Concen: 3.110 ng/ul
 RT: 7.02 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BP004303.D
 Acq: 15 Dec 2020 14:29

Instrument :
 BNA_P
 ClientSampleId :
 A54D1

Tot Ion	Ratio	Lower	Upper
94	100		
65	25.3	20.8	31.2
66	34.2	26.5	39.7

Manual Integrations
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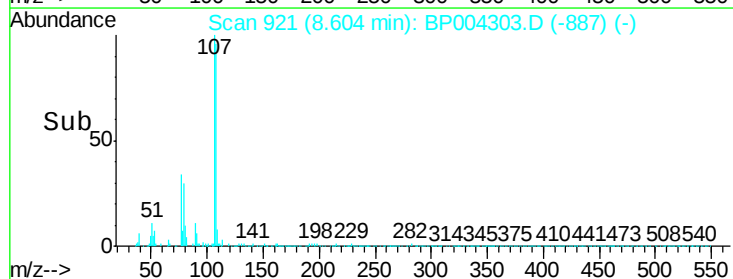
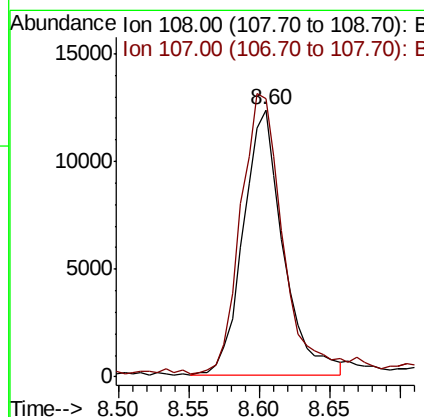
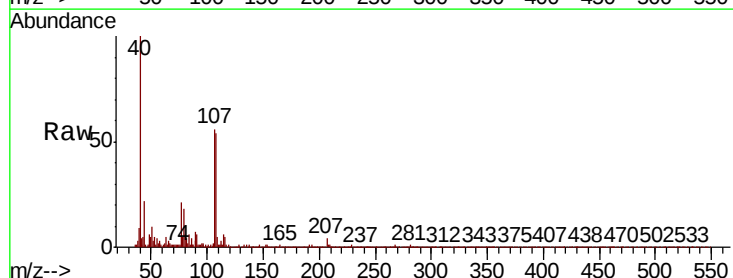


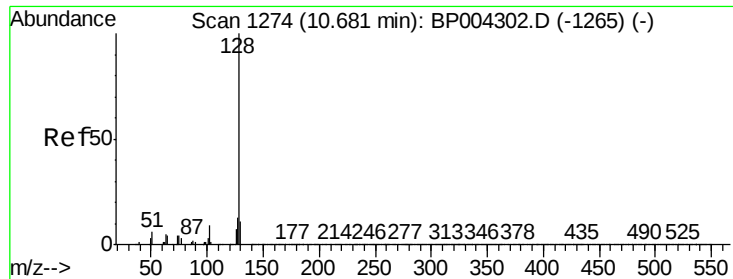
#16

4-Methylphenol

Concen: 1.568 ng/ul
 RT: 8.60 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BP004303.D
 Acq: 15 Dec 2020 14:29

Tgt Ion	Ratio	Lower	Upper
108	100		
107	104.2	87.5	131.3





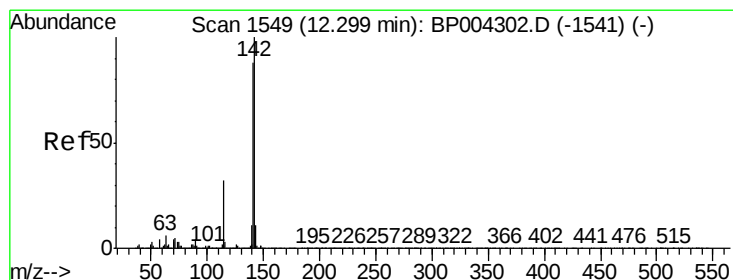
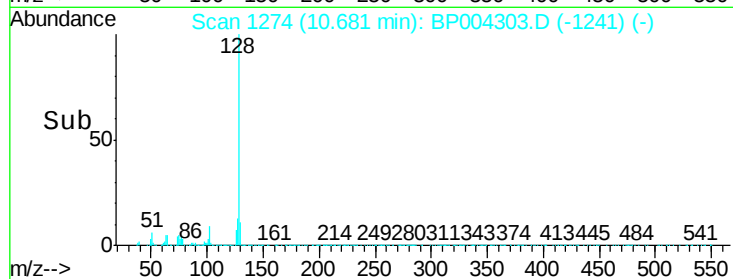
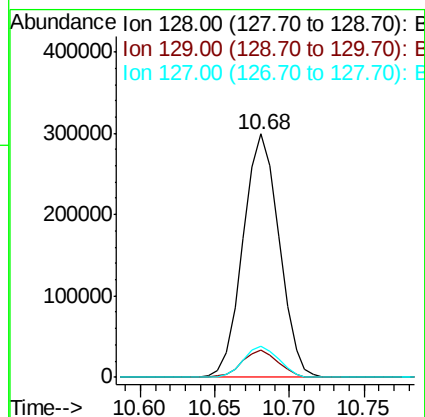
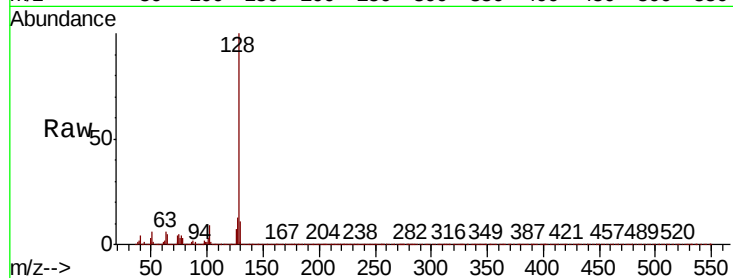
#28
Naphthalene
Concen: 8.750 ng/ul
RT: 10.68 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Instrument :
BNA_P
ClientSampleId :
A54D1

Tot Ion:	128	Resp:	501958
Ion Ratio		Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	10.6	16.0

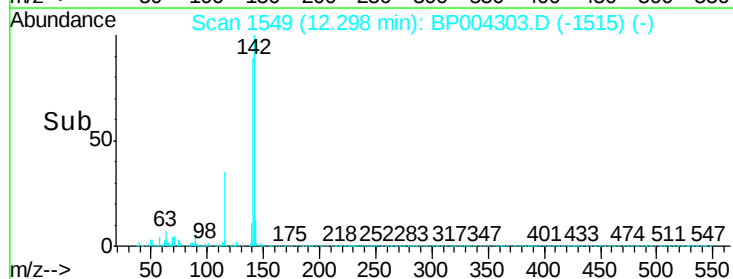
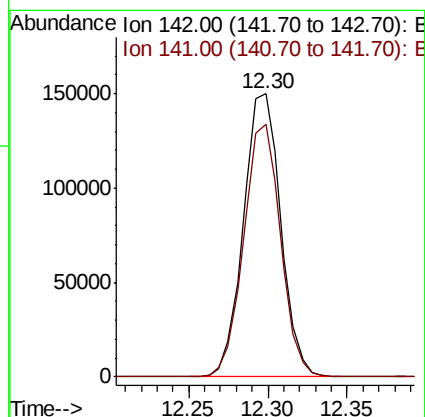
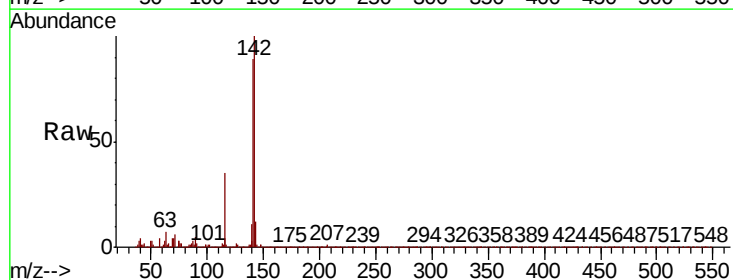
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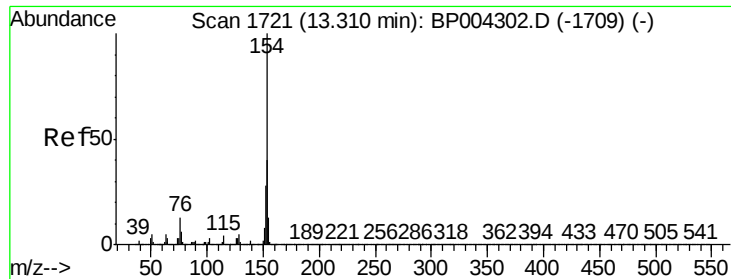
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#34
2-Methylnaphthalene
Concen: 6.333 ng/ul
RT: 12.30 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Tgt Ion:	142	Resp:	244427
Ion Ratio		Lower	Upper
142	100		
141	89.4	69.7	104.5





#41

1,1'-Biphenyl

Concen: 1.994 ng/ul

RT: 13.31 min Scan# 1721

Delta R.T. -0.01 min

Lab File: BP004303.D

Acq: 15 Dec 2020 14:29

Instrument :

BNA_P

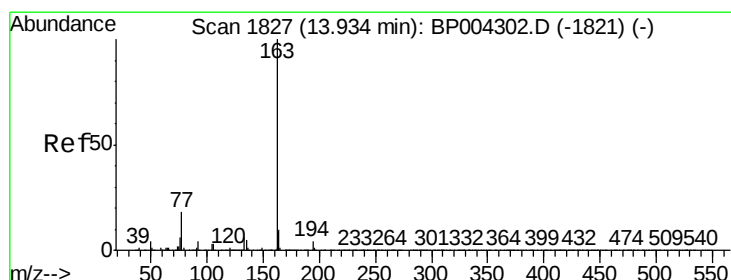
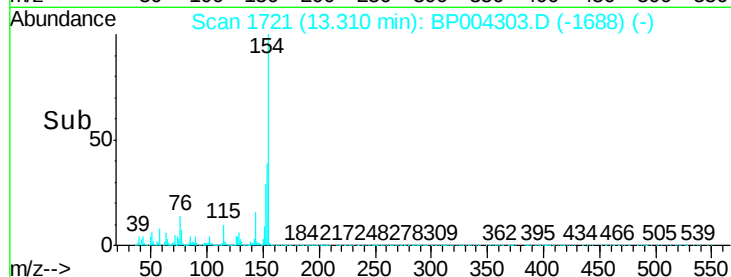
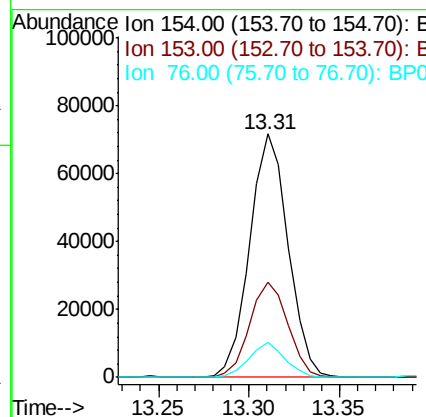
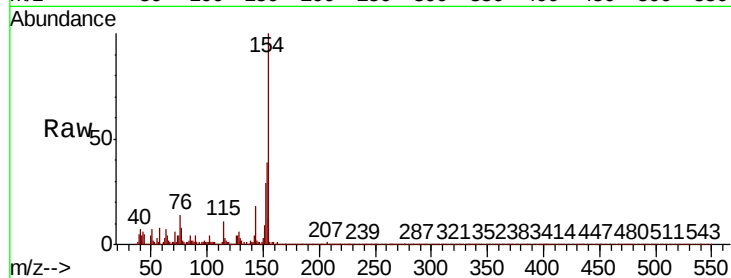
ClientSampleId :

A54D1

Tot Ion:	154	Resp:	105501
Ion Ratio	Lower	Upper	
154	100		
153	39.3	32.2	48.2
76	14.2	11.0	16.6

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#45

Dimethylphthalate

Concen: 2.720 ng/ul

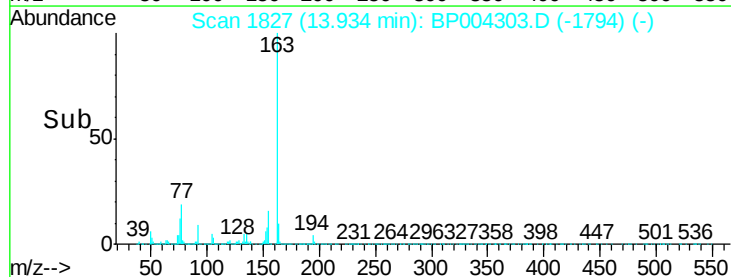
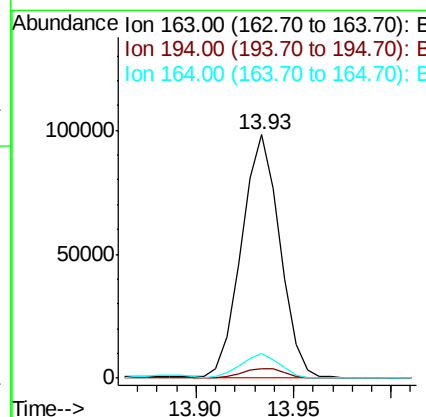
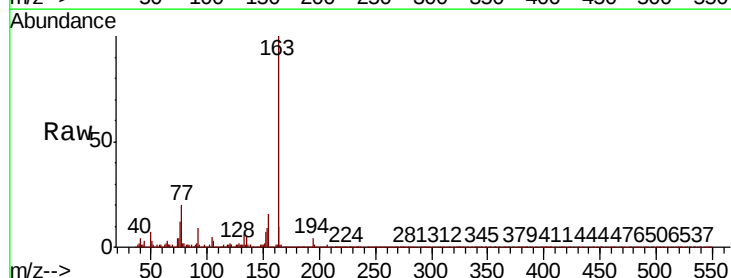
RT: 13.93 min Scan# 1827

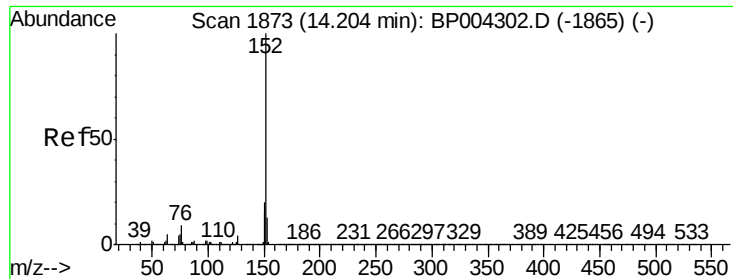
Delta R.T. -0.01 min

Lab File: BP004303.D

Acq: 15 Dec 2020 14:29

Tgt Ion:	163	Resp:	133642
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.4	5.2
164	10.2	8.4	12.6





#48

Acenaphthylene

Concen: 10.829 ng/ul

RT: 14.20 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BP004303.D

Acq: 15 Dec 2020 14:29

Instrument :

BNA_P

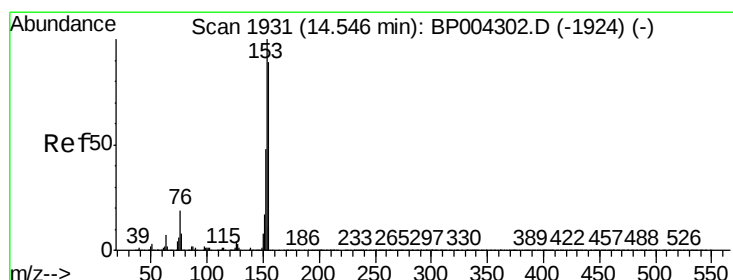
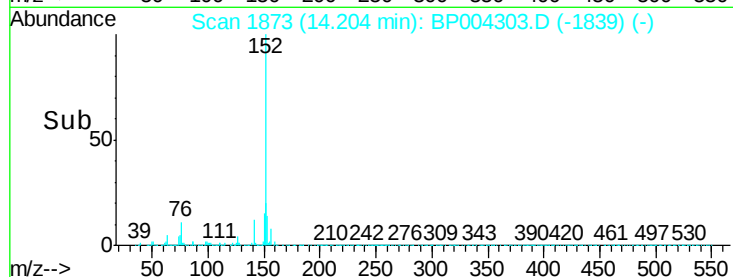
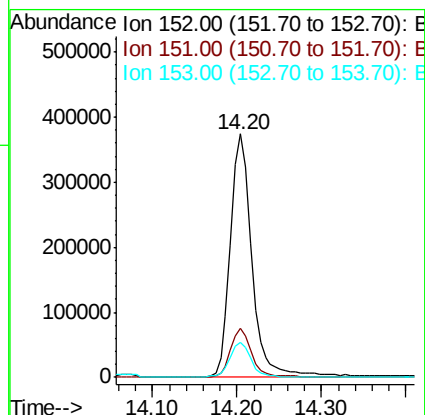
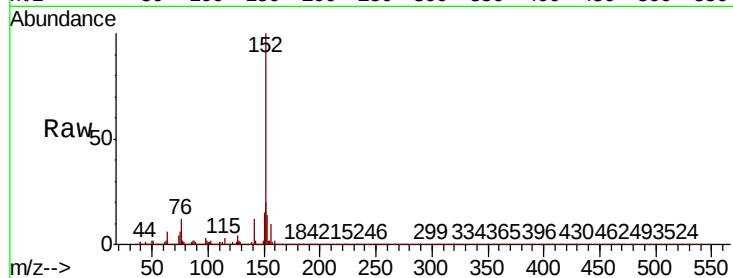
ClientSampleID :

A54D1

Tot Ion:	152	Resp:	661583
Ion Ratio		Lower	Upper
152	100		
151	19.9	15.8	23.8
153	14.4	10.6	16.0

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#50

Acenaphthene

Concen: 28.345 ng/ul

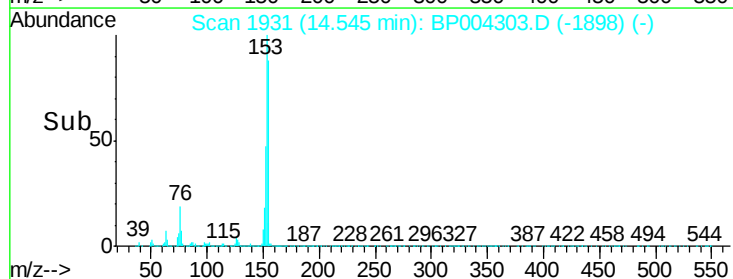
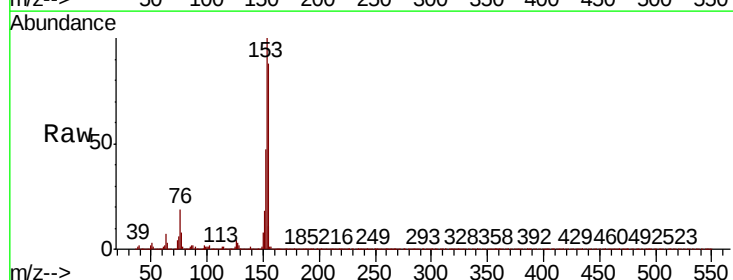
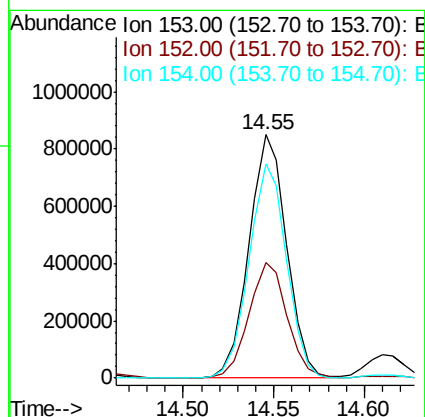
RT: 14.55 min Scan# 1931

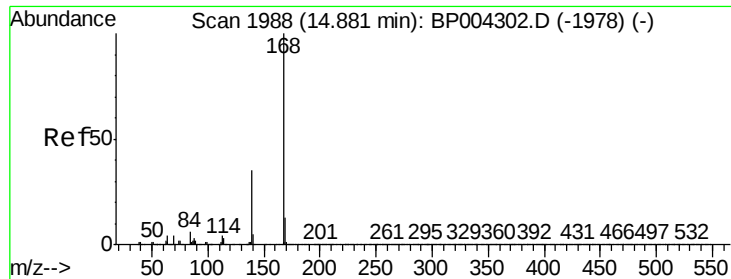
Delta R.T. -0.01 min

Lab File: BP004303.D

Acq: 15 Dec 2020 14:29

Tgt Ion:	153	Resp:	1226087
Ion Ratio		Lower	Upper
153	100		
152	47.5	37.8	56.6
154	87.8	69.8	104.8





#54

Dibenzenofuran

Concen: 19.988 ng/ul

RT: 14.88 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BP004303.D

Acq: 15 Dec 2020 14:29

Instrument :

BNA_P

ClientSampleId :

A54D1

Tot Ion:168 Resp: 1218216

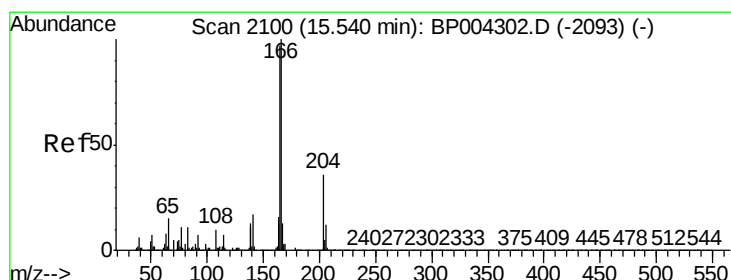
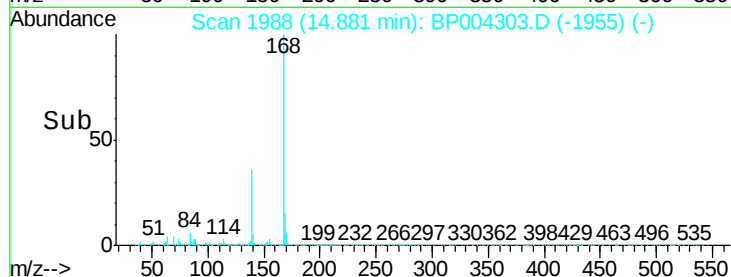
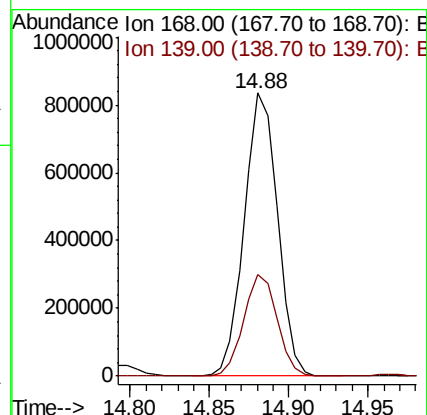
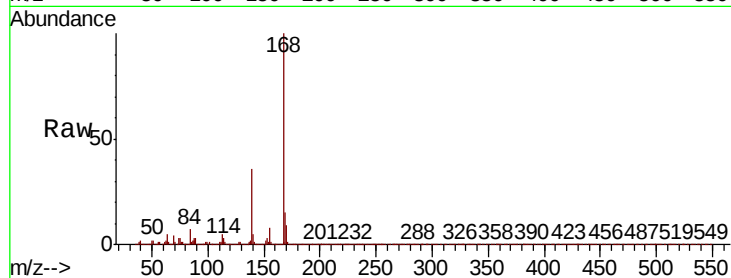
Ion Ratio Lower Upper

168 100

139 35.9 29.0 43.6

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#59

Fluorene

Concen: 33.782 ng/ul

RT: 15.54 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BP004303.D

Acq: 15 Dec 2020 14:29

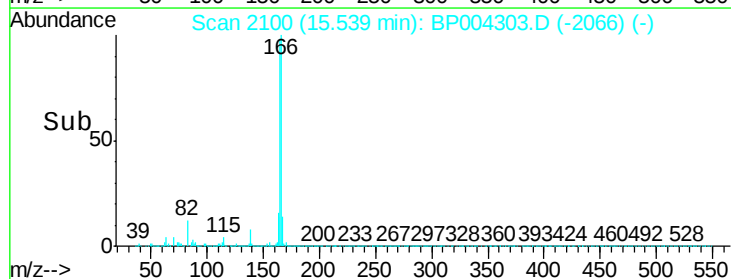
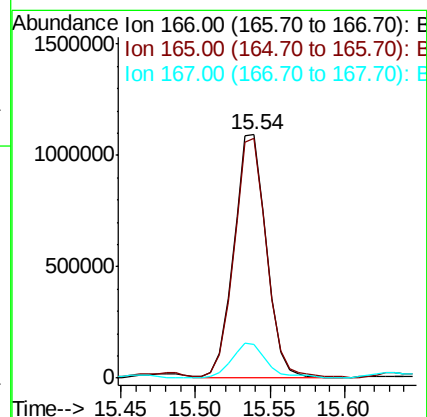
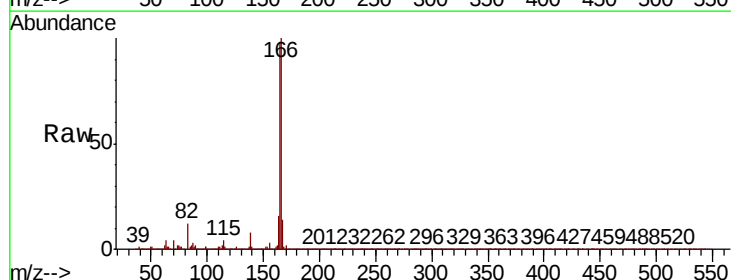
Tgt Ion:166 Resp: 1646759

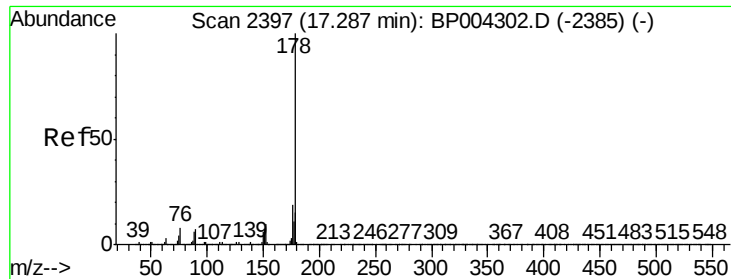
Ion Ratio Lower Upper

166 100

165 98.3 78.2 117.2

167 13.7 10.8 16.2





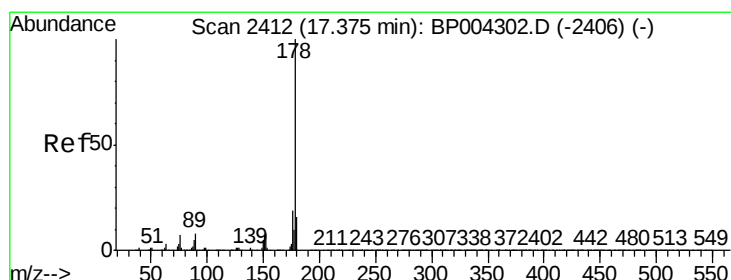
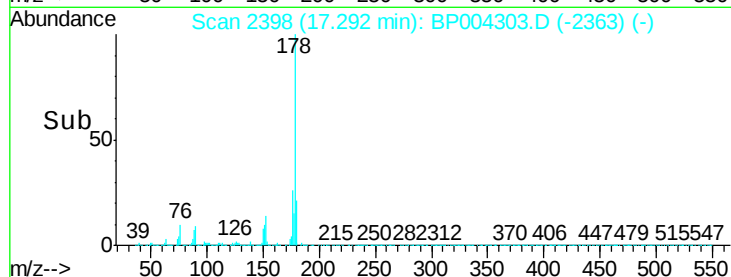
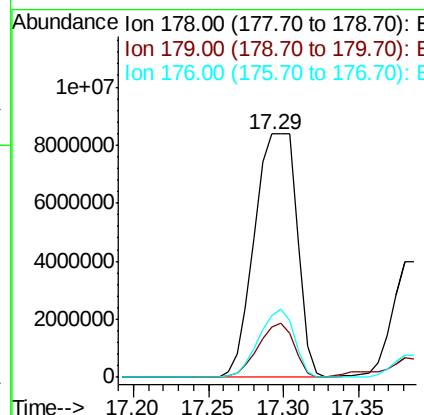
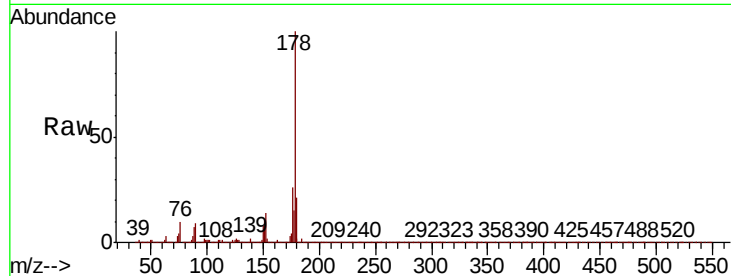
#70
Phenanthrene
Concen: 214.777 ng/ul m
RT: 17.29 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Instrument :
BNA_P
ClientSampleID :
A54D1

Tot Ion:178 Resp:16445727
Ion Ratio Lower Upper
178 100
179 20.8 12.4 18.6#
176 25.5 15.4 23.0#

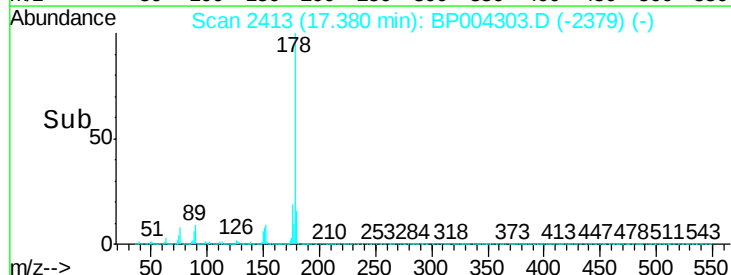
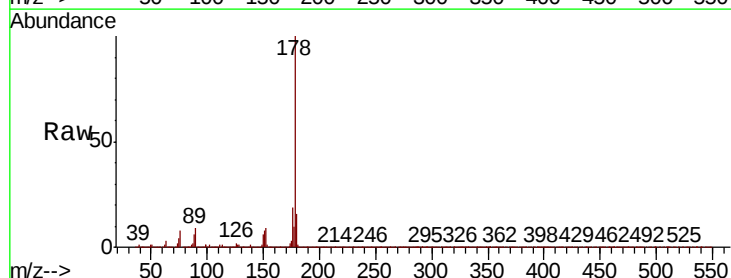
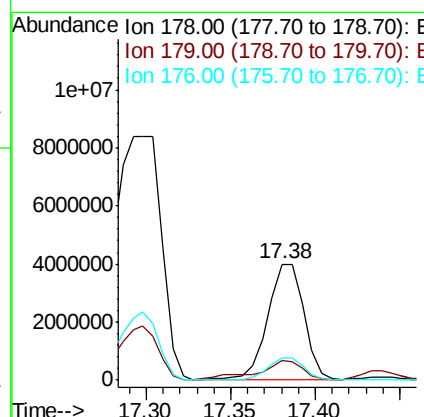
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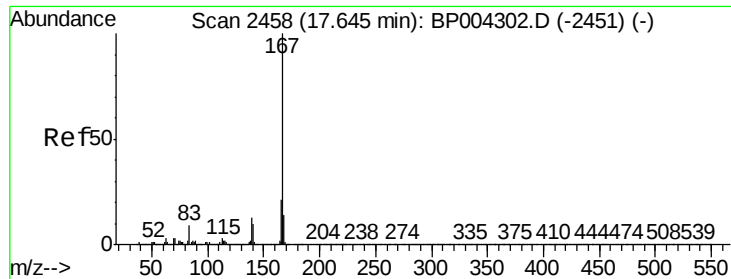
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#72
Anthracene
Concen: 79.114 ng/ul
RT: 17.38 min Scan# 2413
Delta R.T. -0.00 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Tgt Ion:178 Resp: 5993381
Ion Ratio Lower Upper
178 100
179 16.4 12.3 18.5
176 19.2 14.9 22.3





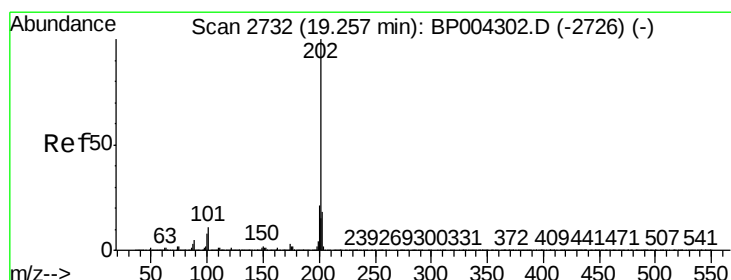
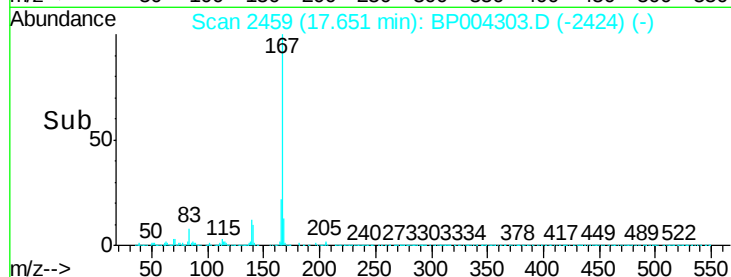
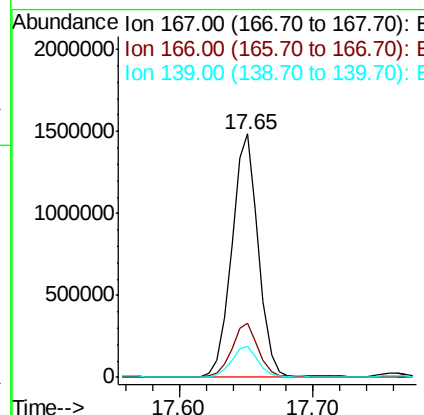
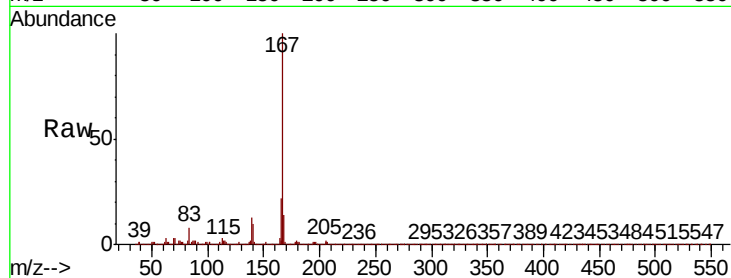
#75
 Carbazole
 Concen: 33.166 ng/ul
 RT: 17.65 min Scan# 2459
 Delta R.T. 0.01 min
 Lab File: BP004303.D
 Acq: 15 Dec 2020 14:29

Instrument :
 BNA_P
 ClientSampleId :
 A54D1

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	12.7	9.8	14.6

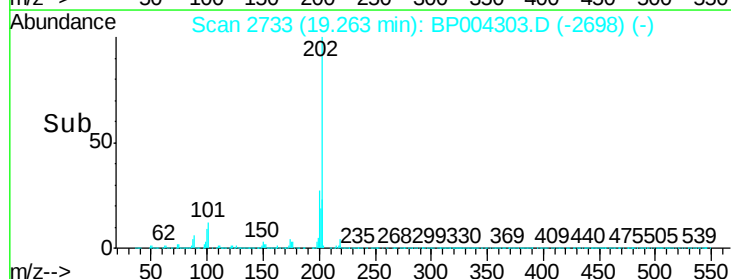
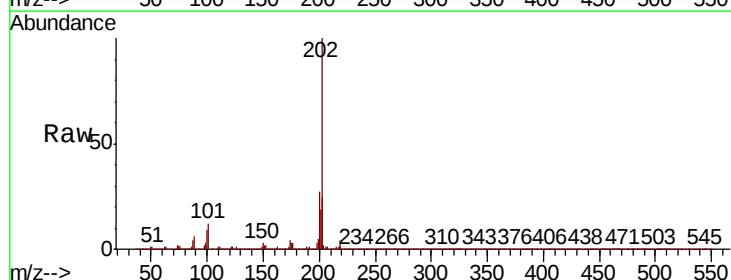
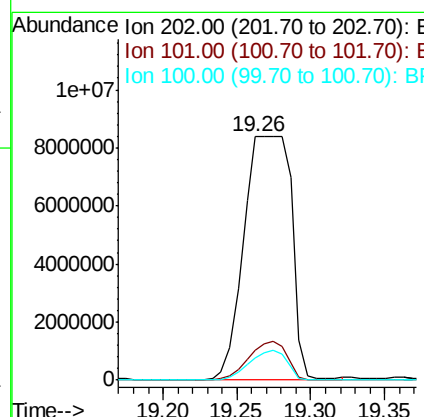
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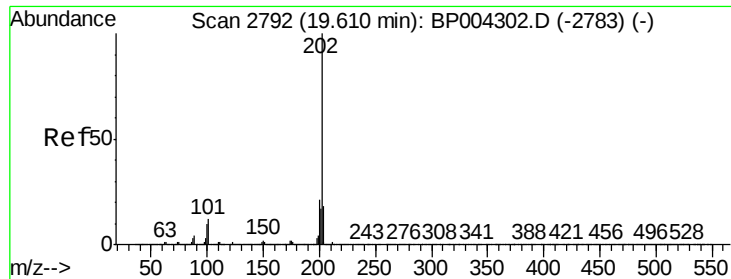
mohammad
 12/17/2020 9:52:40 AM



#77
 Fluoranthene
 Concen: 229.300 ng/ul m
 RT: 19.26 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BP004303.D
 Acq: 15 Dec 2020 14:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.1	13.7
100	9.3	7.1	10.7





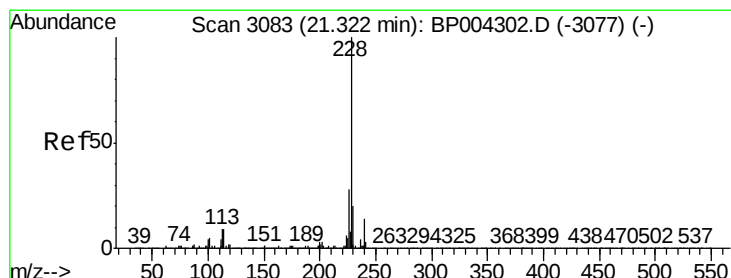
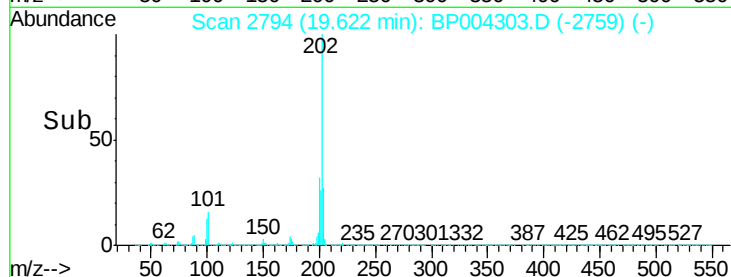
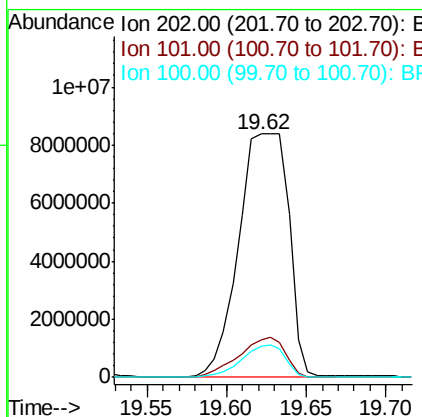
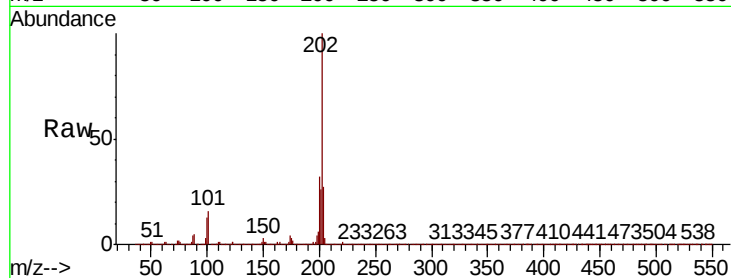
#80
Pvrene
Concen: 234.842 ng/ul m
RT: 19.62 min Scan# 2794
Delta R.T. 0.01 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Instrument :
BNA_P
ClientSampleId :
A54D1

Tot Ion:202 Resp:18327478
Ion Ratio Lower Upper
202 100
101 15.7 10.6 15.8
100 12.8 8.6 12.8

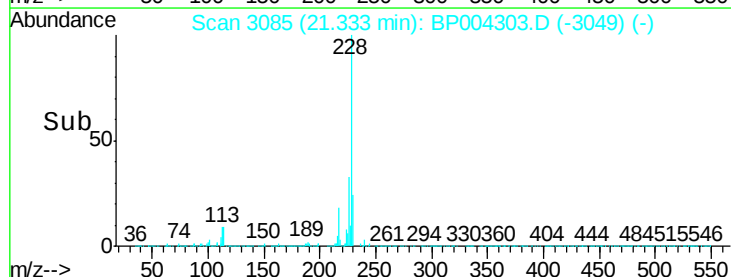
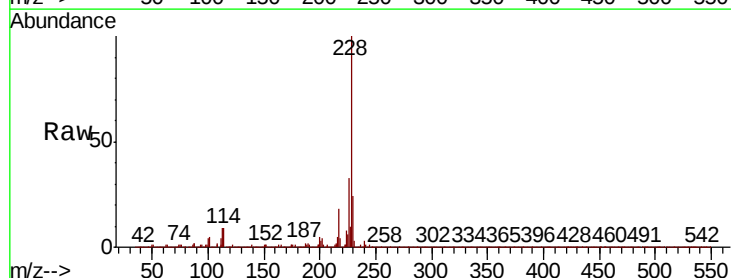
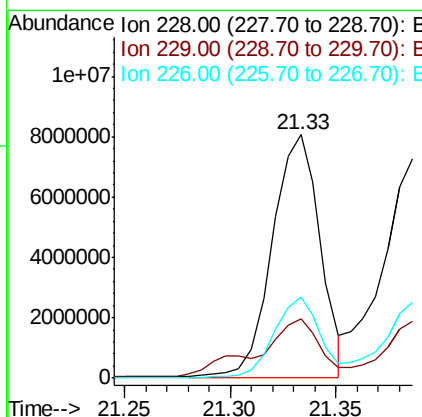
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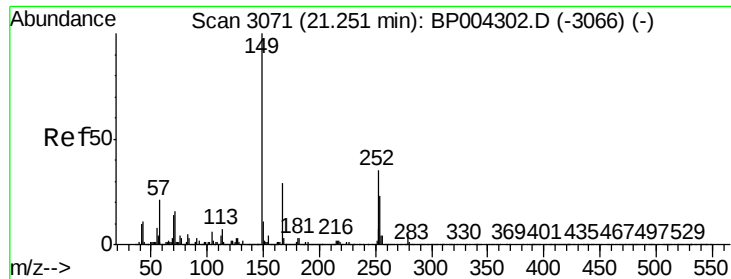
mohammad
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#83
Benzo(a)anthracene
Concen: 166.407 ng/ul
RT: 21.33 min Scan# 3085
Delta R.T. 0.01 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Tgt Ion:228 Resp:12690377
Ion Ratio Lower Upper
228 100
229 24.1 15.8 23.8#
226 33.4 21.7 32.5#





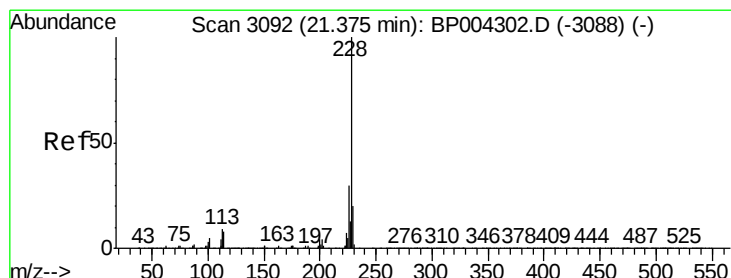
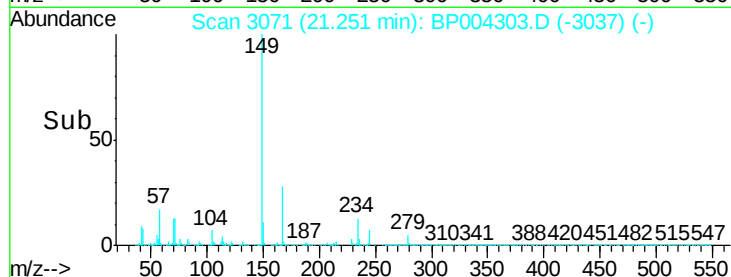
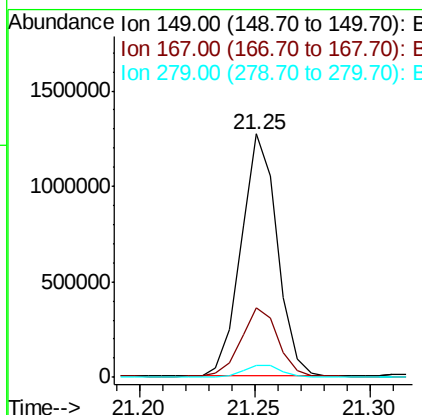
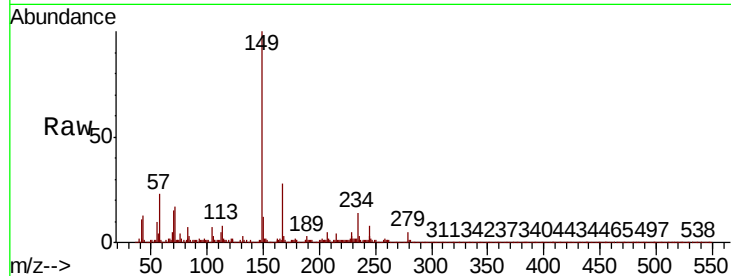
#84
Bis(2-ethylhexyl)phthalate
Concen: 39.509 ng/ul
RT: 21.25 min Scan# 3071
Delta R.T. -0.00 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Instrument :
BNA_P
ClientSampleId :
A54D1

Tot Ion:149 Resp: 1378140
Ion Ratio Lower Upper
149 100
167 28.4 22.2 33.4
279 5.2 3.6 5.4

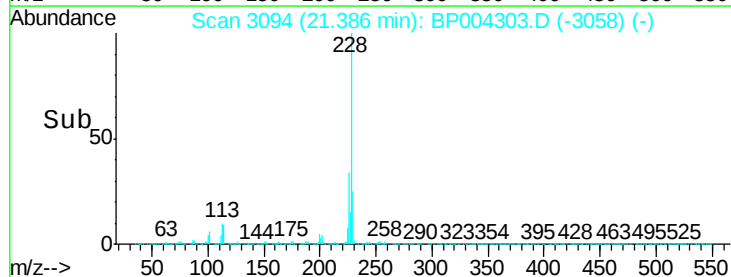
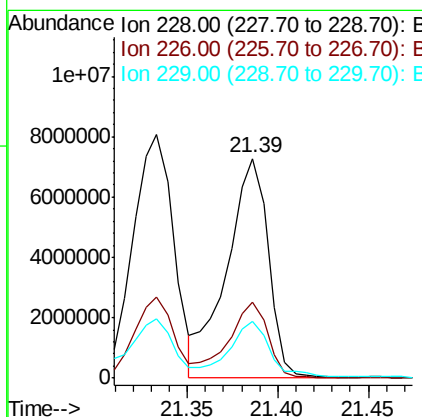
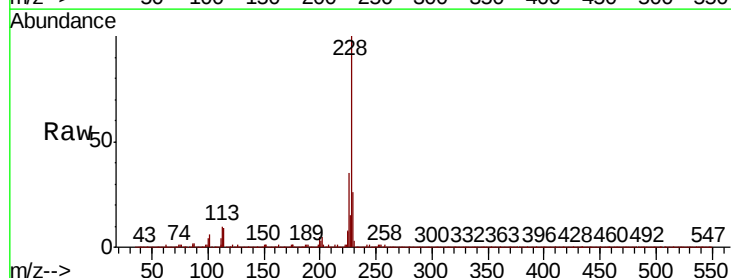
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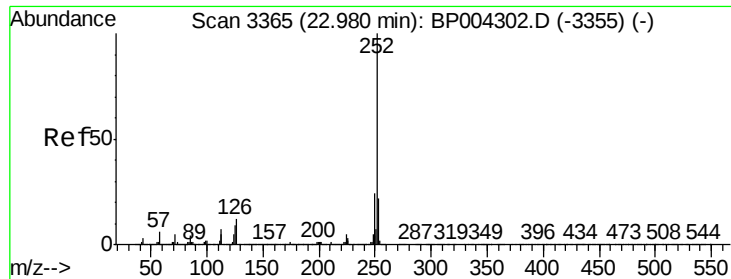
mohammad
12/17/2020 9:52:40 AM



#85
Chrysene
Concen: 154.521 ng/ul
RT: 21.39 min Scan# 3094
Delta R.T. 0.01 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Tgt Ion:228 Resp:11560211
Ion Ratio Lower Upper
228 100
226 34.6 24.2 36.2
229 25.7 15.8 23.8#





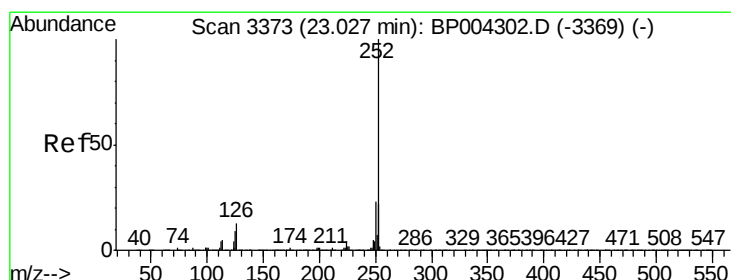
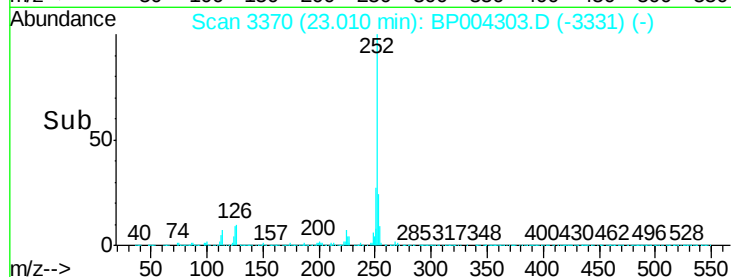
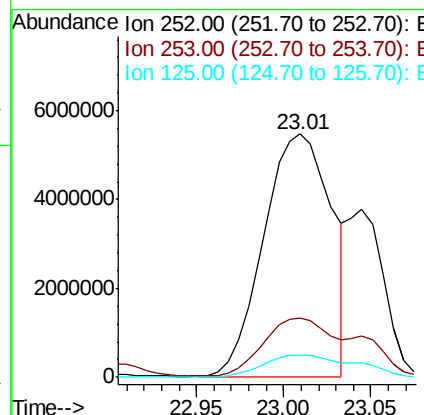
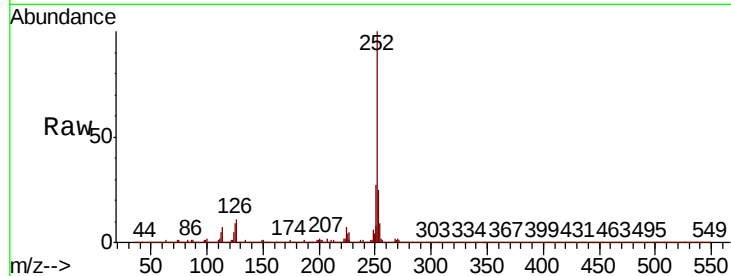
#88
Benzo(b)fluoranthene
Concen: 159.764 ng/ul m
RT: 23.01 min Scan# 3370
Delta R.T. 0.03 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Instrument :
BNA_P
ClientSampleId :
A54D1

Tot Ion:252 Resp:14867503
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 9.2 7.7 11.5

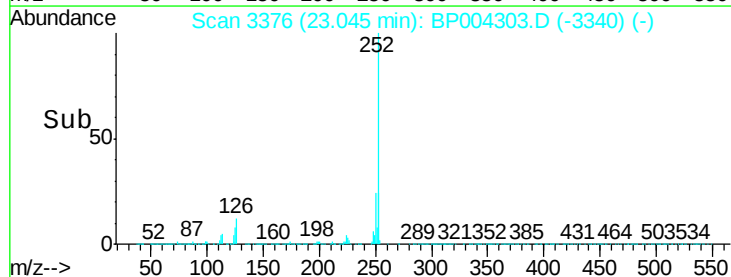
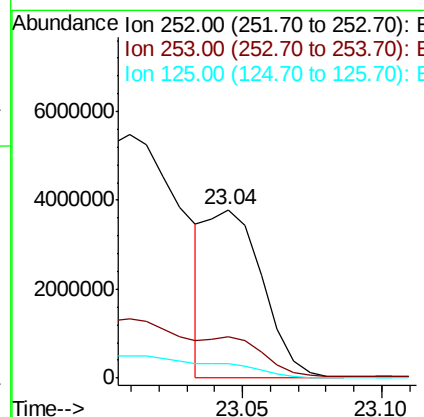
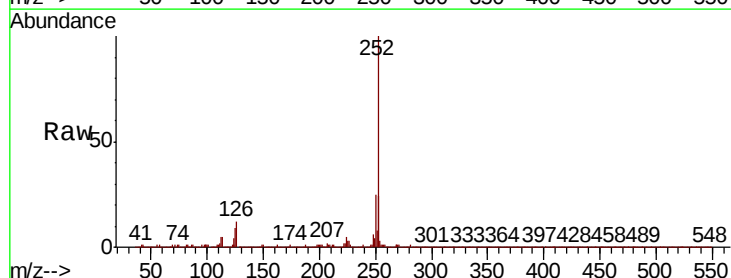
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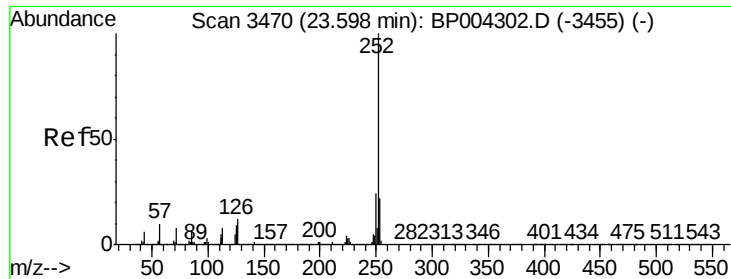
mohammad
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#89
Benzo(k)fluoranthene
Concen: 54.602 ng/ul m
RT: 23.04 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Tgt Ion:252 Resp: 5218419
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 8.6 7.3 10.9





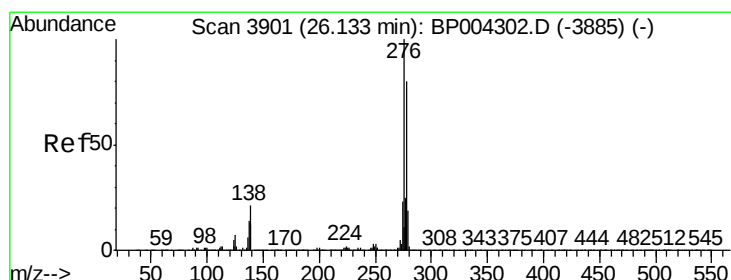
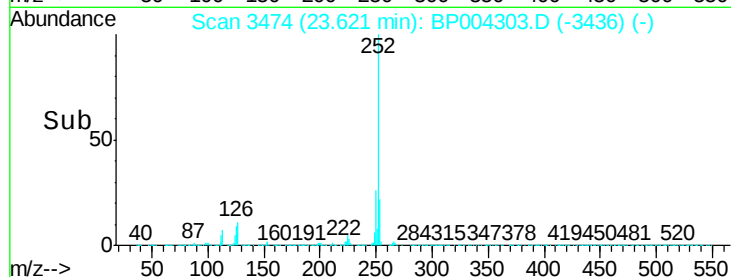
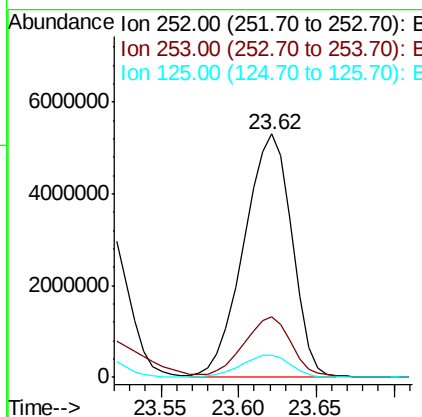
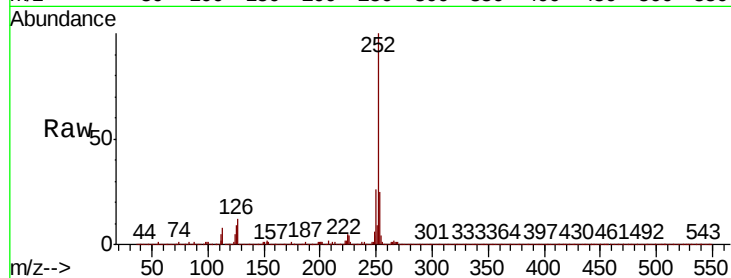
#91
Benzo(a)pyrene
Concen: 131.257 ng/ul m
RT: 23.62 min Scan# 3474
Delta R.T. 0.02 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Instrument :
BNA_P
ClientSampleId :
A54D1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.3	25.9
125	9.2	7.8	11.6

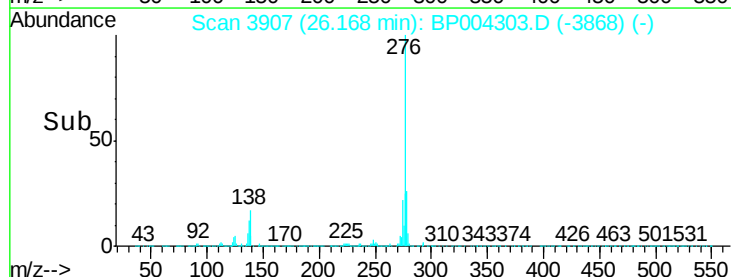
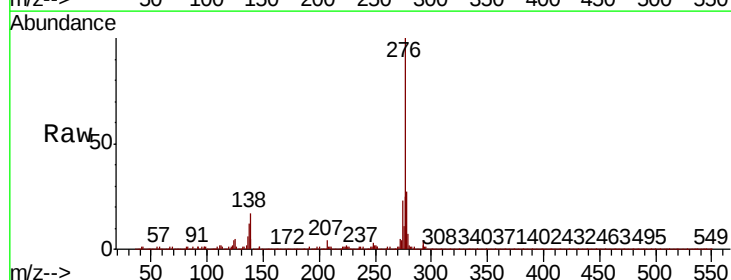
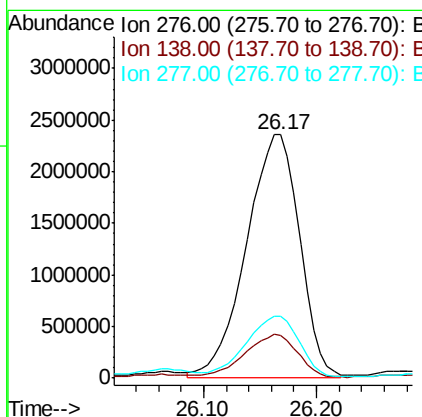
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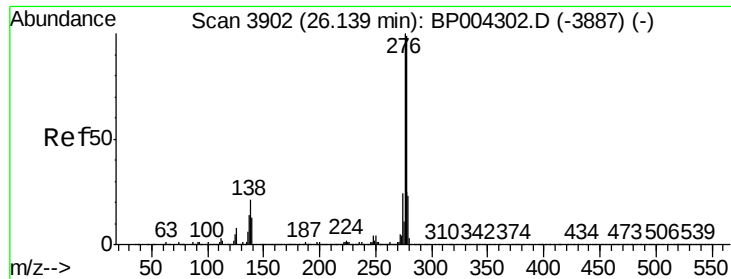
mohammad
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#92
Indeno(1,2,3-cd)pyrene
Concen: 71.332 ng/ul m
RT: 26.17 min Scan# 3907
Delta R.T. 0.03 min
Lab File: BP004303.D
Acq: 15 Dec 2020 14:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	17.8	26.6#
277	25.3	19.8	29.6





#93

Dibenzo(a,h)anthracene

Concen: 22.820 ng/ul m

RT: 26.17 min Scan# 3907

Delta R.T. 0.02 min

Lab File: BP004303.D

Acq: 15 Dec 2020 14:29

Instrument :

BNA_P

ClientSampleId :

A54D1

Tot Ion:278 Resp: 2082872

Ion Ratio Lower Upper

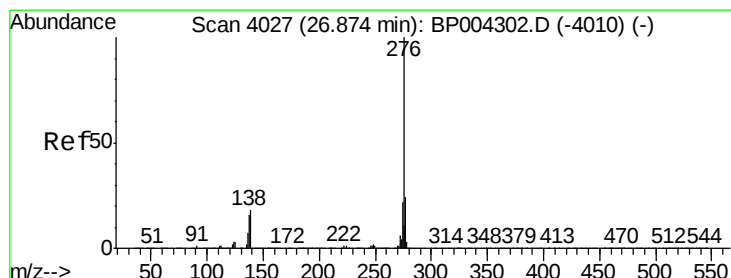
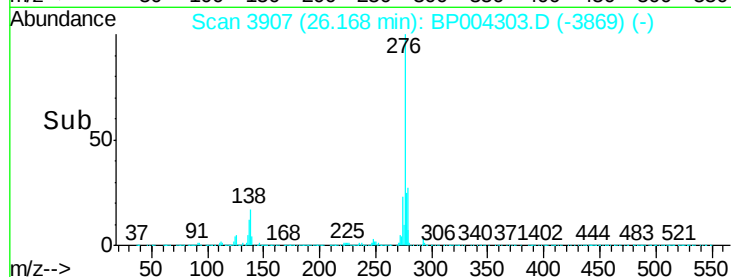
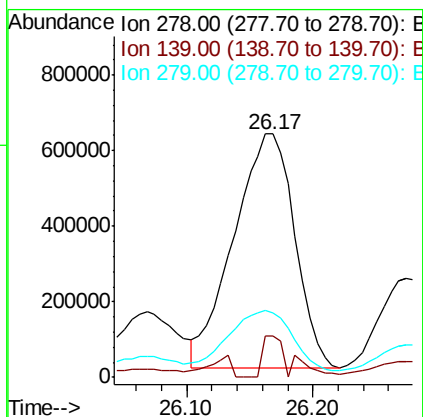
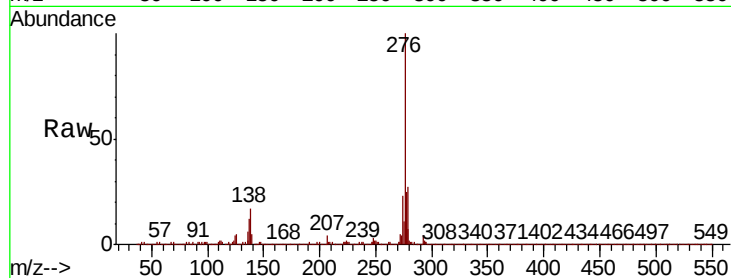
278 100

139 17.1 11.9 17.9

279 26.5 18.6 28.0

Manual Integrations
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12/17/2020 9:52:40 AM



#94

Benzo(g,h,i)perylene

Concen: 62.952 ng/ul m

RT: 26.92 min Scan# 4034

Delta R.T. 0.04 min

Lab File: BP004303.D

Acq: 15 Dec 2020 14:29

Tgt Ion:276 Resp: 5751649

Ion Ratio Lower Upper

276 100

138 17.8 16.6 25.0

277 24.8 18.5 27.7

