

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP122820\
 Data File : BP004452.D
 Acq On : 28 Dec 2020 14:46
 Operator : CG/JU
 Sample : L5132-17MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54U0MS

Manual Integrations
 APPROVED

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Quant Time: Dec 28 15:22:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121820MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 14:00:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	210393	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	809677	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.47	164	502495	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.23	188	1081035	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	1072899	20.00	ng/ul	0.00
86) Perylene-d12	23.69	264	1193192	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	13476	2.66	ng/uL	0.00
5) Phenol-d5	6.99	99	265728	14.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	150541	14.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	221450	14.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	198503	13.65	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	109045	15.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	109576	14.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	219578	15.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	194001	12.07	ng/ul	0.00
44) Dimethylphthalate-d6	13.87	166	652500	16.22	ng/ul	0.00
47) Acenaphthylene-d8	14.16	160	893085	17.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.68	143	71315	9.81	ng/ul	0.01
58) Fluorene-d10	15.47	176	607312	17.26	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.60	200	30849	4.42	ng/ul	0.01
71) Anthracene-d10	17.33	188	948531	17.76	ng/ul	0.00
79) Pyrene-d10	19.57	212	1079493	18.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.54	264	1216402	18.51	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.02	94	471435	25.654	ng/ul 99
10) 2-Chlorophenol	7.39	128	338391	22.651	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.62	70	237345	21.998	ng/ul 97
28) Naphthalene	10.67	128	113012	2.484	ng/ul 99
33) 4-Chloro-3-methylphenol	11.91	107	338277	24.598	ng/ul 98
34) 2-Methylnaphthalene	12.29	142	183675	5.854	ng/ul 97
41) 1,1'-Biphenyl	13.30	154	45169	1.100	ng/ul 95
45) Dimethylphthalate	13.92	163	111905	2.777	ng/ul 100
48) Acenaphthylene	14.19	152	821270	16.830	ng/ul 99
50) Acenaphthene	14.53	153	1028286	30.078	ng/ul 99
53) 4-Nitrophenol	14.69	109	114858	22.523	ng/ul 95
54) Dibenzofuran	14.87	168	225065	4.675	ng/ul 98
55) 2,4-Dinitrotoluene	14.85	165	293734	24.393	ng/ul# 99
59) Fluorene	15.53	166	430295	11.031	ng/ul 99
65) N-Nitrosodiphenylamine	15.74	169	39307	1.210	ng/ul 92
69) Pentachlorophenol	16.89	266	155120	19.426	ng/ul 96
70) Phenanthrene	17.28	178	4775318	76.066	ng/ul 99
72) Anthracene	17.37	178	1214993	19.325	ng/ul 99
75) Carbazole	17.64	167	243106	4.677	ng/ul 95
77) Fluoranthene	19.26	202	4850268	68.110	ng/ul 98
80) Pyrene	19.61	202	6496612	88.918	ng/ul 98
83) Benzo(a)anthracene	21.32	228	2435656	33.682	ng/ul 94
85) Chrysene	21.37	228	2236339	32.032	ng/ul 97

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	22.98	252	2527077	32.471	ng/ul	98
89) Benzo(k)fluoranthene	23.02	252	939378m	12.441	ng/ul	
91) Benzo(a)pyrene	23.59	252	1957436	27.268	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	26.13	276	1219344	13.443	ng/ul	96
93) Dibenzo(a,h)anthracene	26.13	278	325575	4.310	ng/ul#	86
94) Benzo(a,h,i)perylene	26.87	276	905606	11.901	ng/ul	96

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

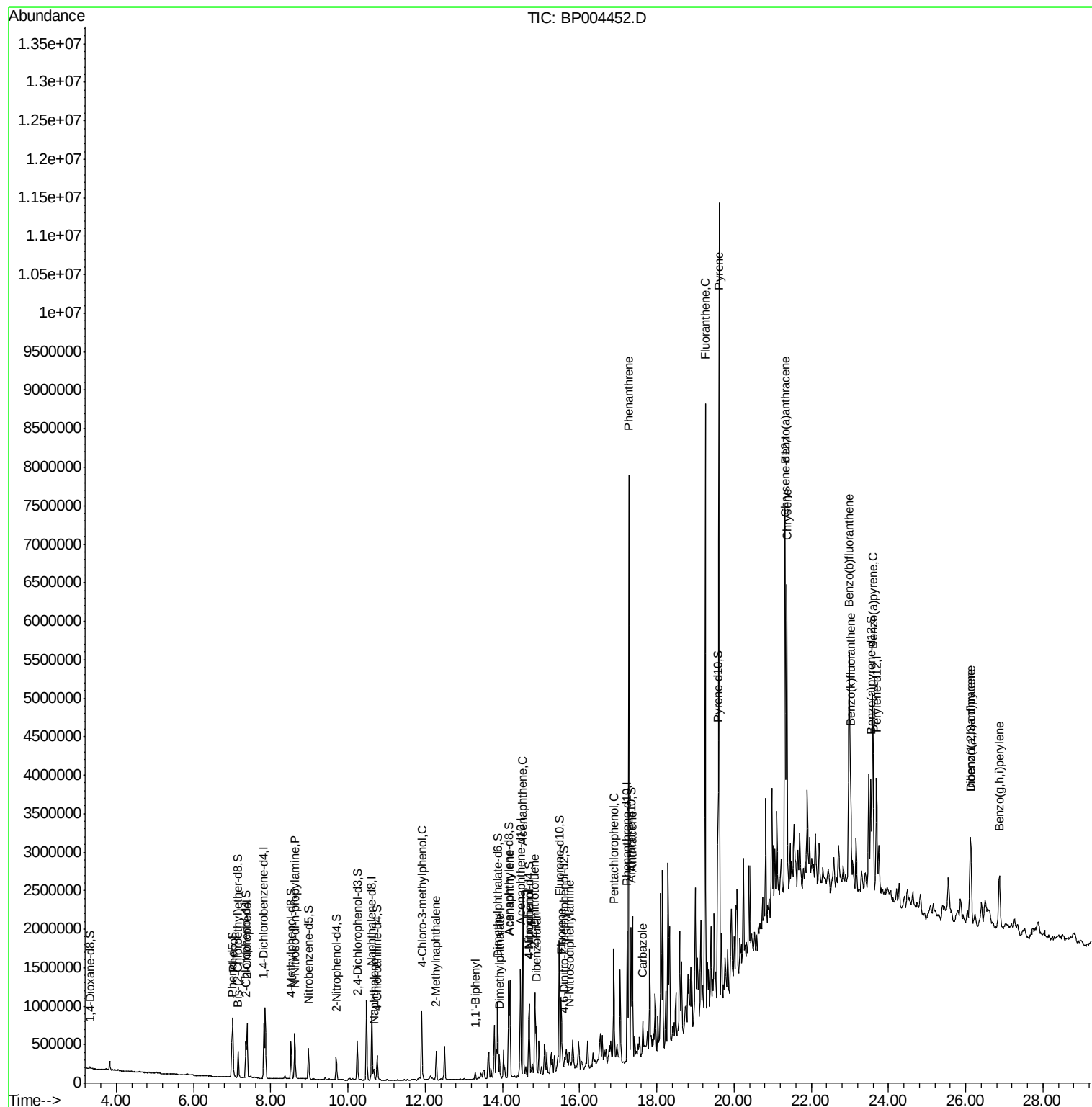
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Data File : BP004452.D
Acq On : 28 Dec 2020 14:46
Operator : CG/JU
Sample : L5132-17MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

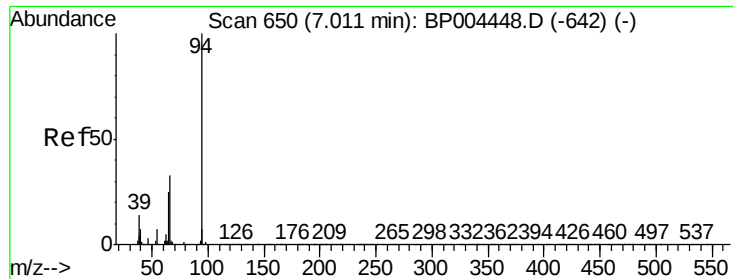
Instrument :
BNA_P
ClientSampled :
A54U0MS

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#6

Phenol

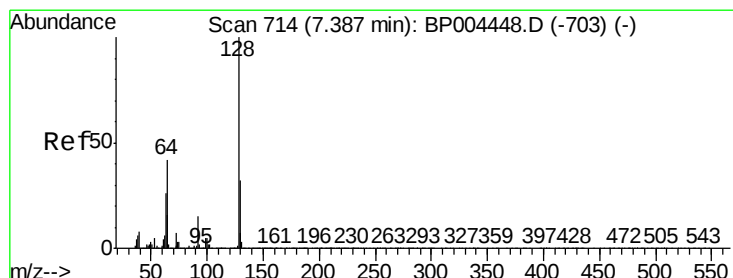
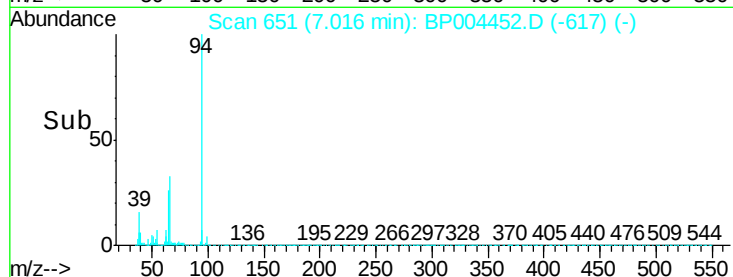
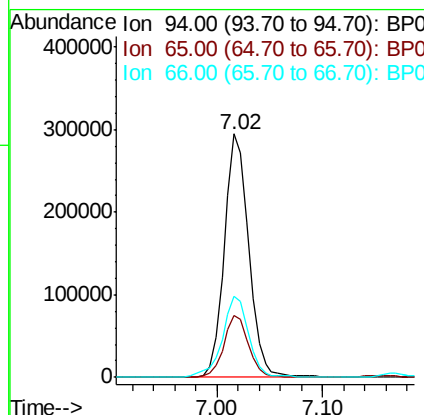
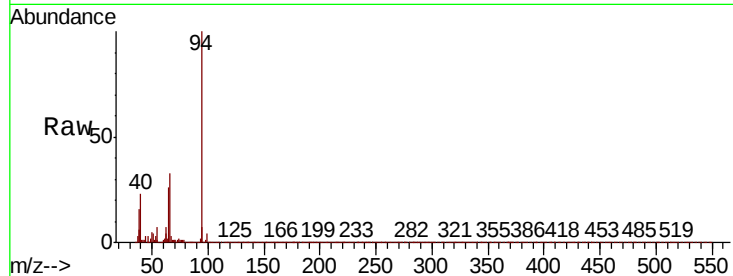
Concen: 25.654 ng/ul
RT: 7.02 min Scan# 651
Delta R.T. 0.00 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampleId :
A54U0MS

Tot Ion	Ratio	Lower	Upper
94	100		
65	25.6	20.3	30.5
66	33.2	26.2	39.2

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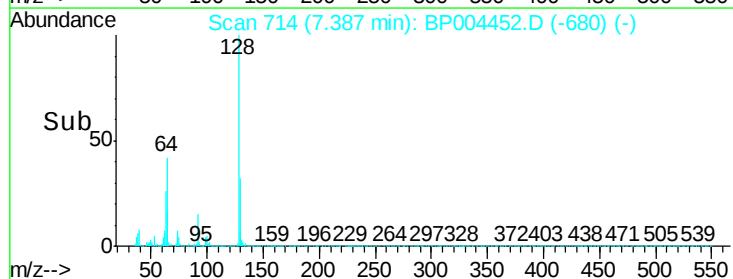
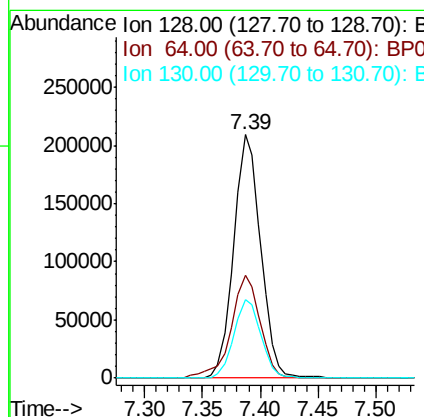
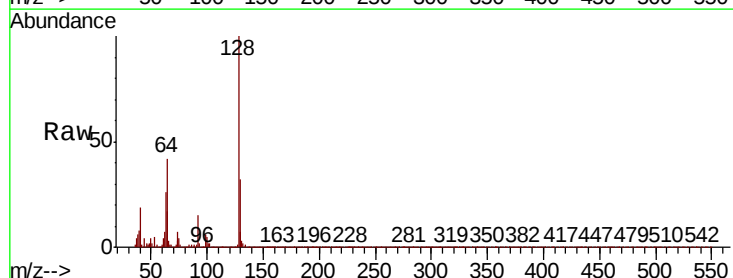


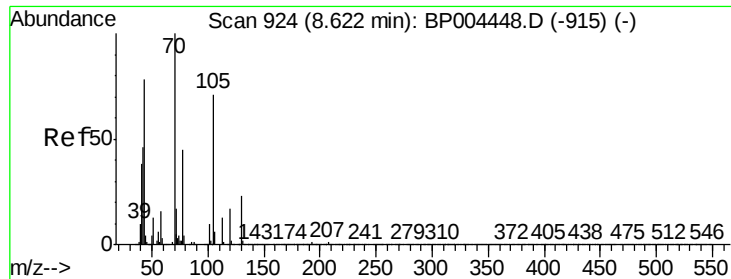
#10

2-Chlorophenol

Concen: 22.651 ng/ul
RT: 7.39 min Scan# 714
Delta R.T. 0.00 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
128	100		
64	42.1	34.9	52.3
130	32.4	25.6	38.4





#15

N-Nitroso-di-n-propylamine

Concen: 21.998 ng/ul

RT: 8.62 min Scan# 924

Delta R.T. 0.00 min

Lab File: BP004452.D

Acq: 28 Dec 2020 14:46

Instrument :

BNA_P

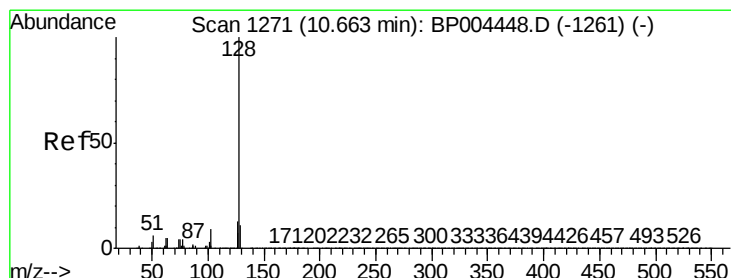
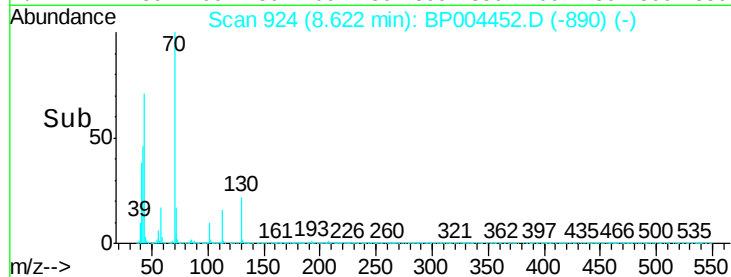
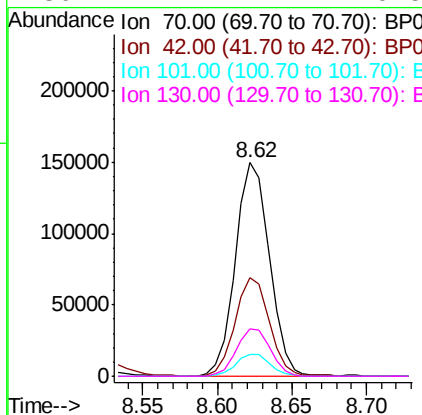
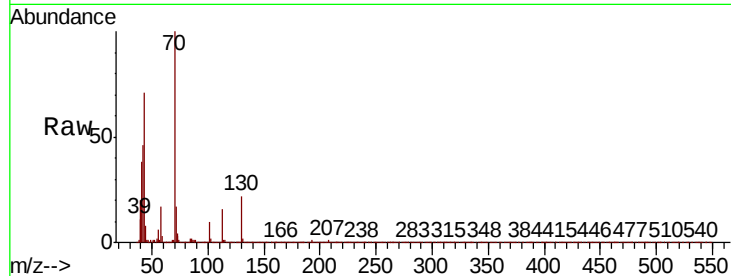
ClientSampleId :

A54U0MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		237345		
42	45.9	38.9	58.3		
101	10.2	8.0	12.0		
130	22.2	17.7	26.5		

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#28

Naphthalene

Concen: 2.484 ng/ul

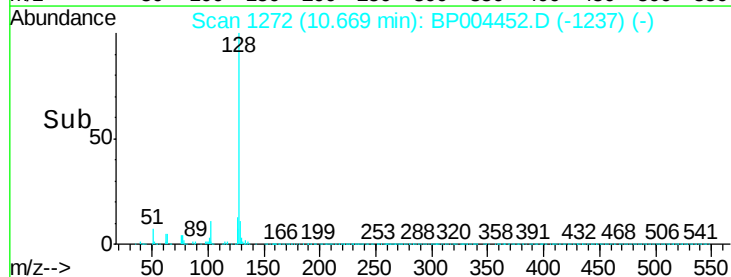
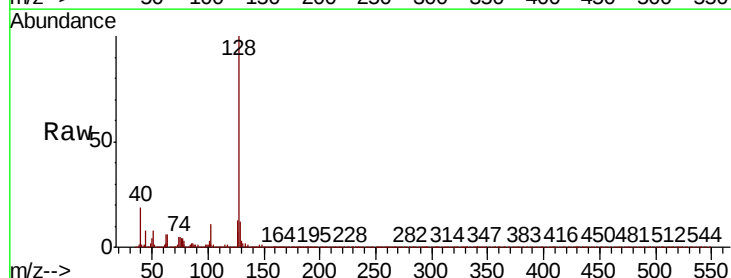
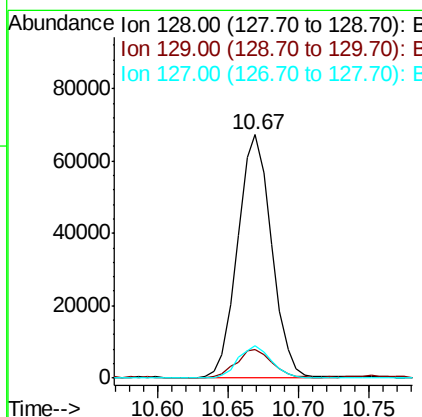
RT: 10.67 min Scan# 1272

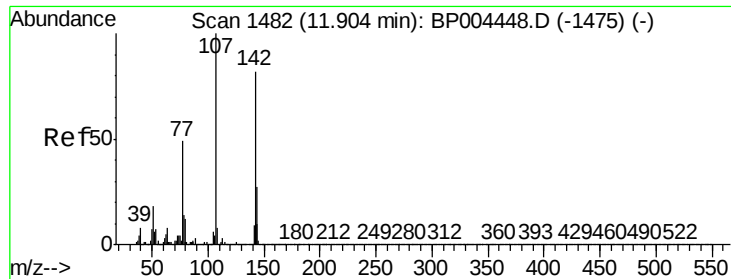
Delta R.T. 0.01 min

Lab File: BP004452.D

Acq: 28 Dec 2020 14:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		113012		
129	11.8	8.8	13.2		
127	13.1	10.4	15.6		





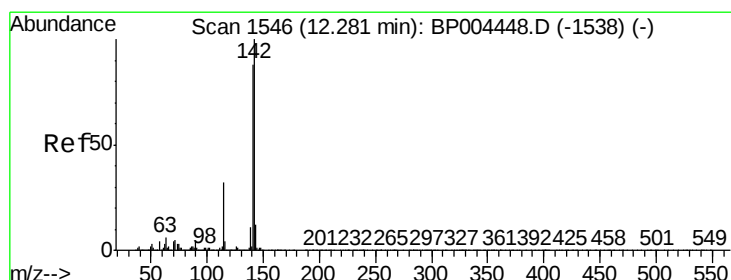
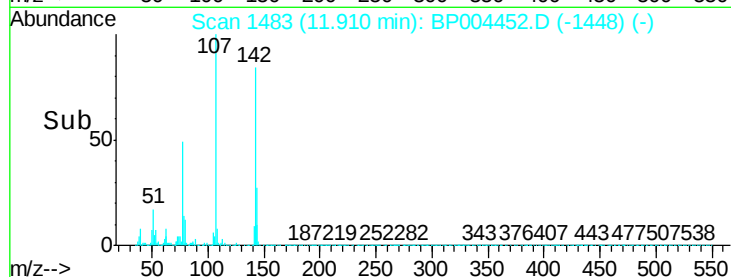
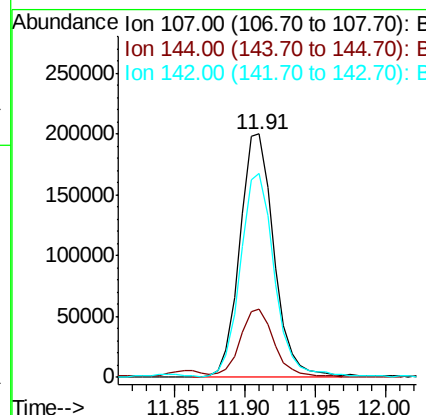
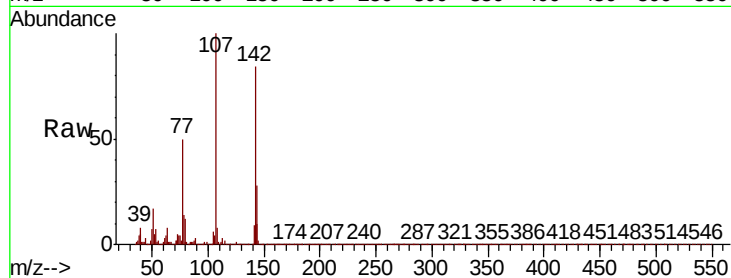
#33
4-Chloro-3-methylphenol
Concen: 24.598 ng/ul
RT: 11.91 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampleId :
A54U0MS

Tot Ion	Ratio	Lower	Upper
107	100		
144	28.0	21.7	32.5
142	83.9	66.0	99.0

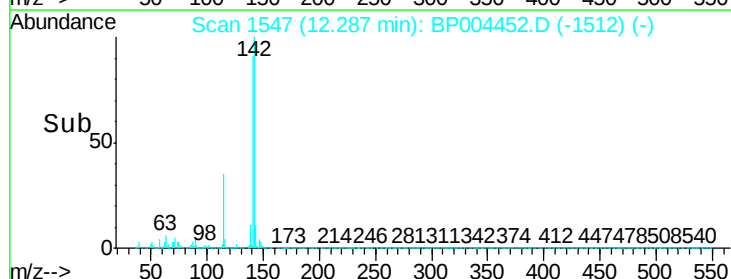
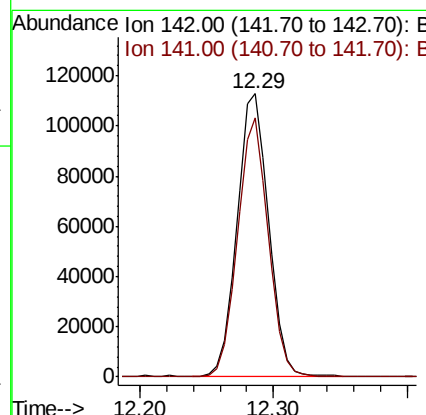
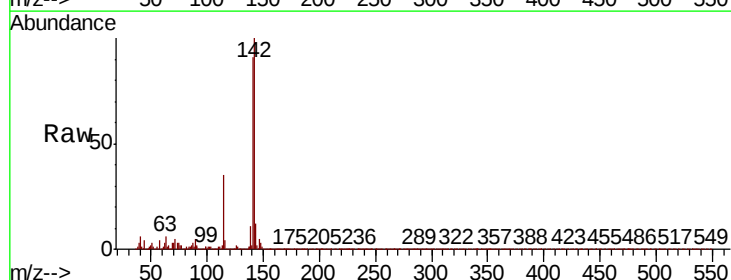
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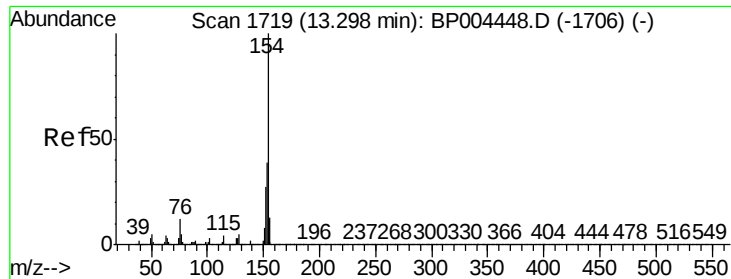
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#34
2-Methylnaphthalene
Concen: 5.854 ng/ul
RT: 12.29 min Scan# 1547
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.2	106.8





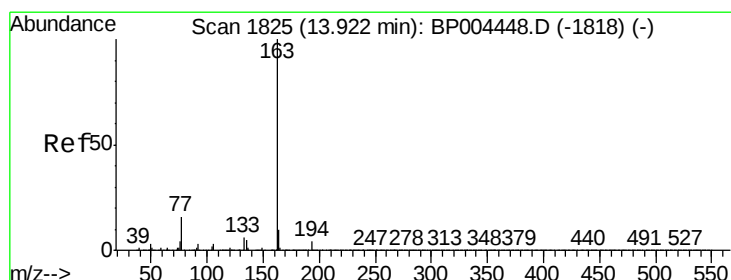
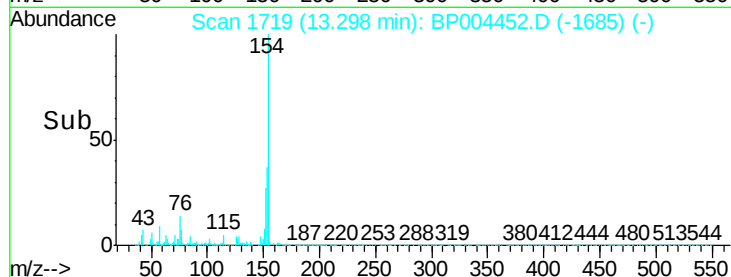
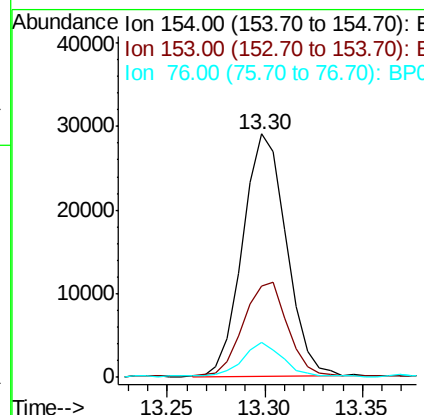
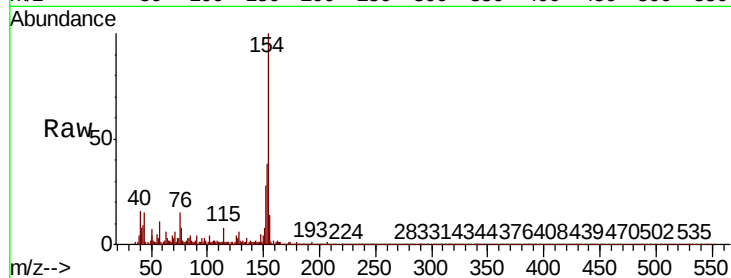
#41
1,1'-Biphenyl
Concen: 1.100 ng/ul
RT: 13.30 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampleId :
A54U0MS

Tot Ion:	154	Resp:	45169
Ion Ratio	Lower	Upper	
154	100		
153	37.6	32.4	48.6
76	14.6	10.0	15.0

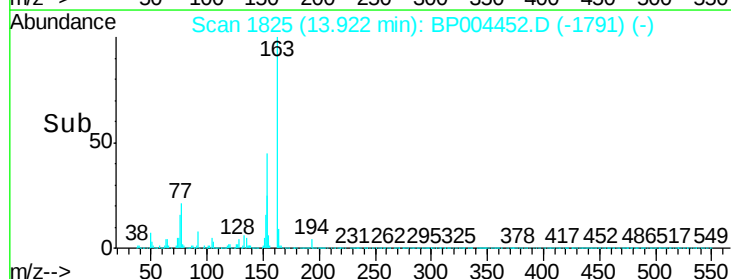
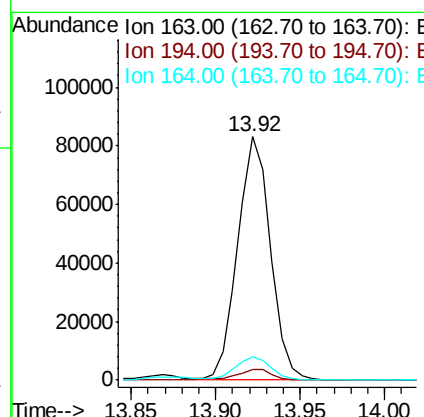
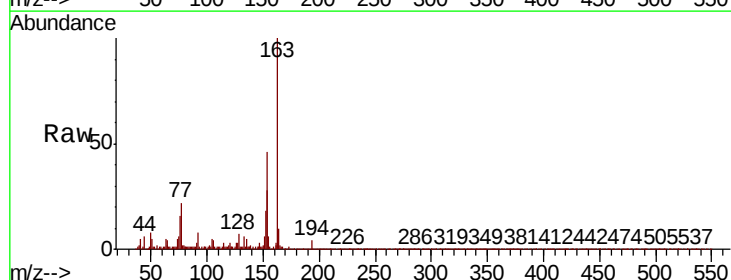
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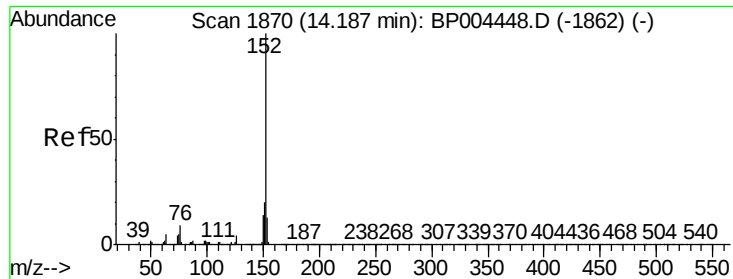
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#45
Dimethylphthalate
Concen: 2.777 ng/ul
RT: 13.92 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion:	163	Resp:	111905
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.5	5.3
164	9.9	7.8	11.8





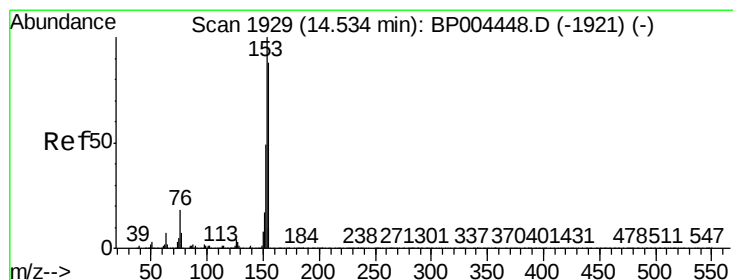
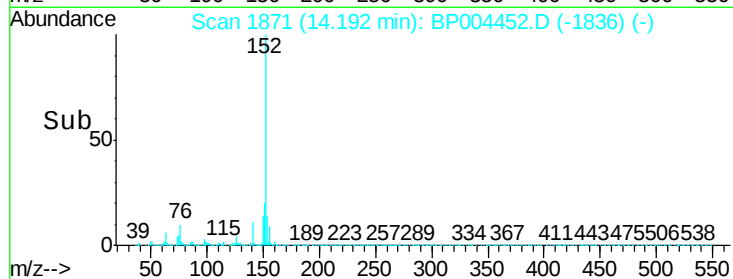
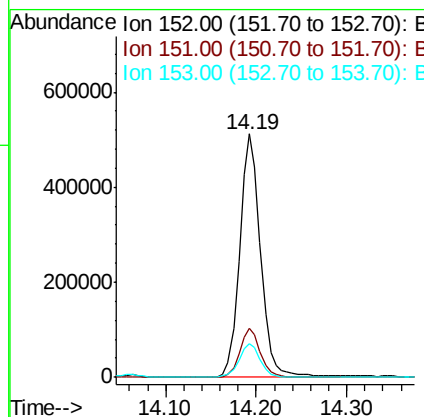
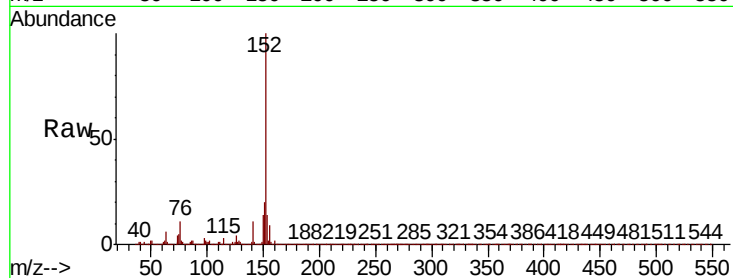
#48
Acenaphthylene
Concen: 16.830 ng/ul
RT: 14.19 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampleId :
A54U0MS

Tot Ion:	152	Resp:	821270
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.8	23.6
153	14.1	10.6	15.8

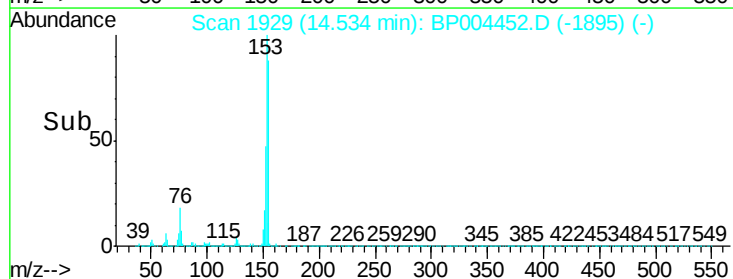
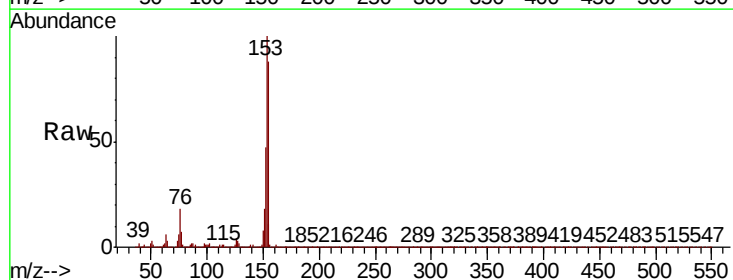
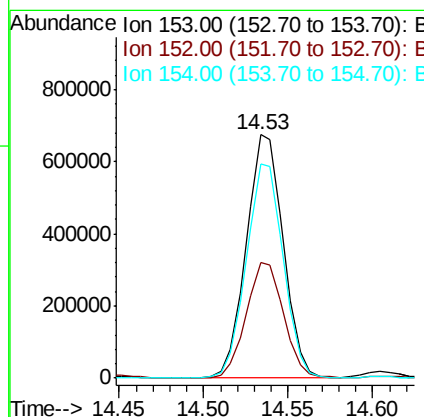
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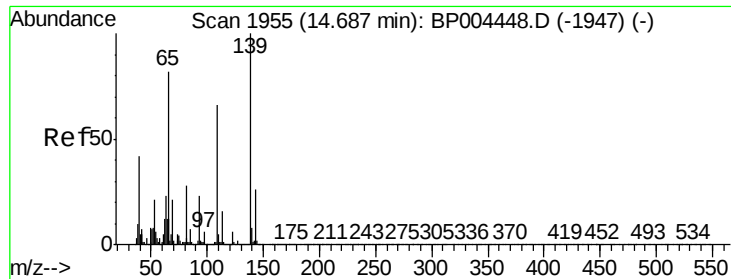
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#50
Acenaphthene
Concen: 30.078 ng/ul
RT: 14.53 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion:	153	Resp:	1028286
Ion Ratio	Lower	Upper	
153	100		
152	47.2	37.8	56.8
154	88.1	71.4	107.0





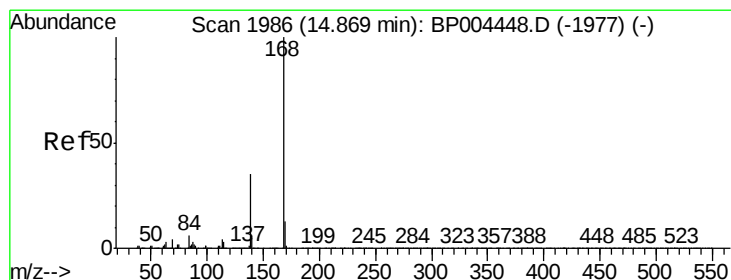
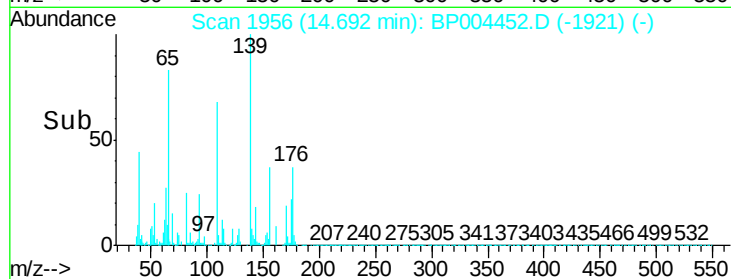
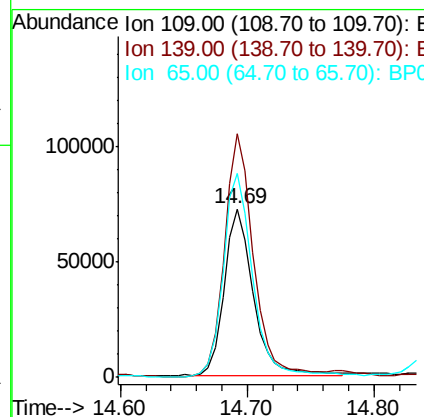
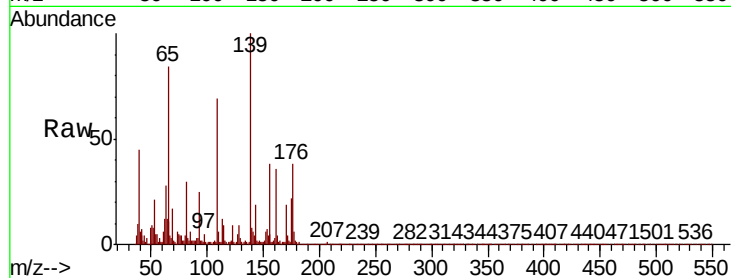
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4-Nitrophenol
Concen: 22.523 ng/ul
RT: 14.69 min Scan# 1956
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampled :
A54U0MS

Tot Ion	Ratio	Lower	Upper
109	100		
139	144.4	118.2	177.2
65	120.8	103.6	155.4

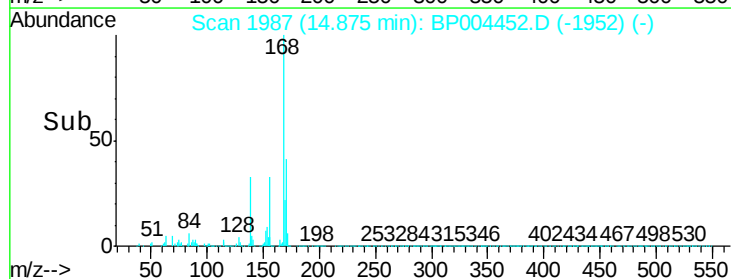
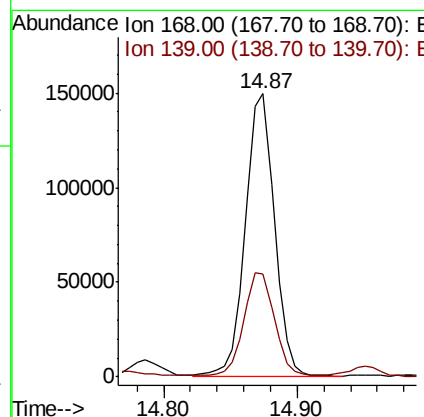
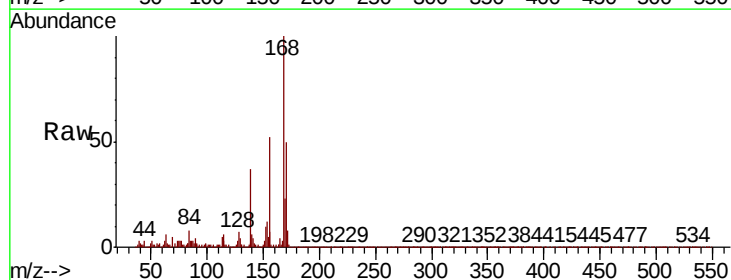
Manual Integrations
APPROVED

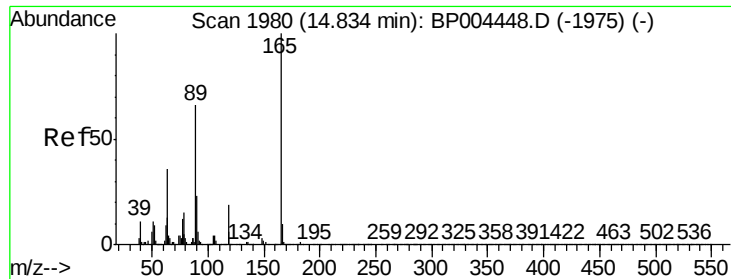
mohammad
12/30/2020 2:20:24 PM



#54
Dibenzofuran
Concen: 4.675 ng/ul
RT: 14.87 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.6	28.3	42.5





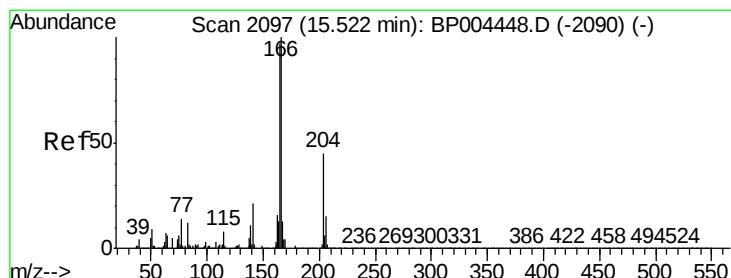
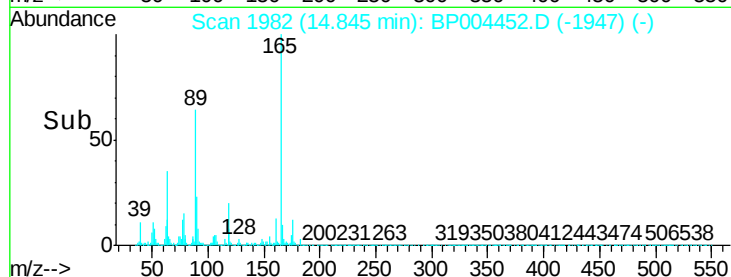
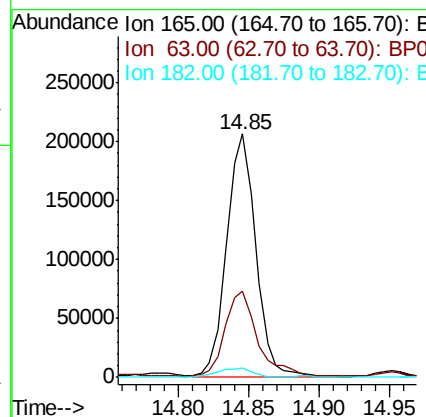
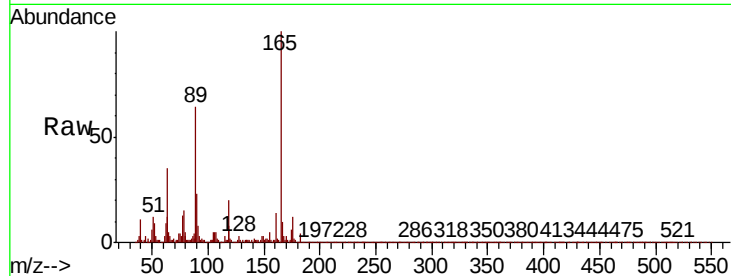
#55
2,4-Dinitrotoluene
Concen: 24.393 ng/ul
RT: 14.85 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampleId :
A54U0MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	35.2	28.4	42.6
182	3.6	2.2	3.4

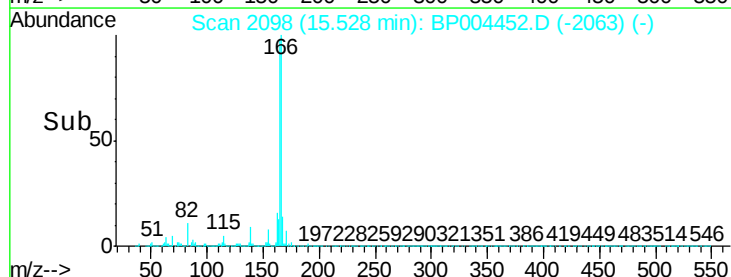
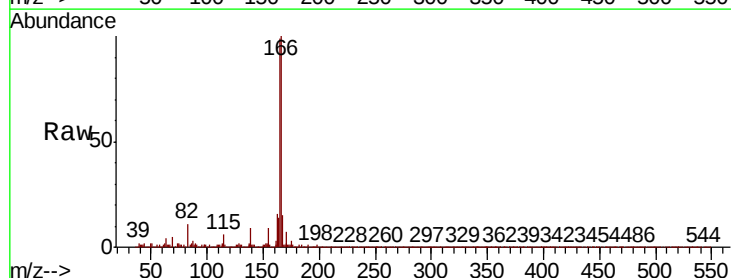
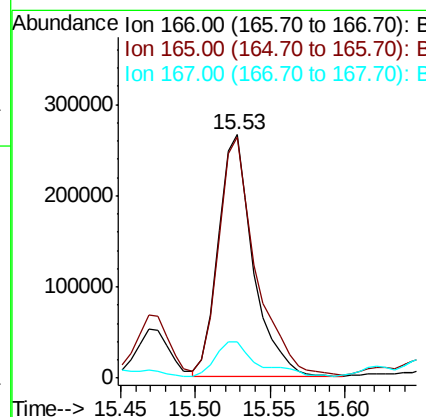
Manual Integrations
APPROVED

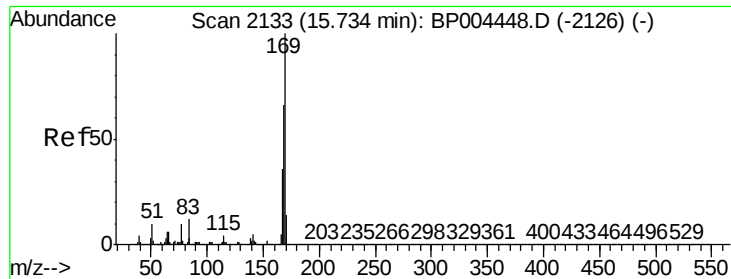
mohammad
12/30/2020 2:20:24 PM



#59
Fluorene
Concen: 11.031 ng/ul
RT: 15.53 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.2	118.8
167	14.7	10.8	16.2





#65

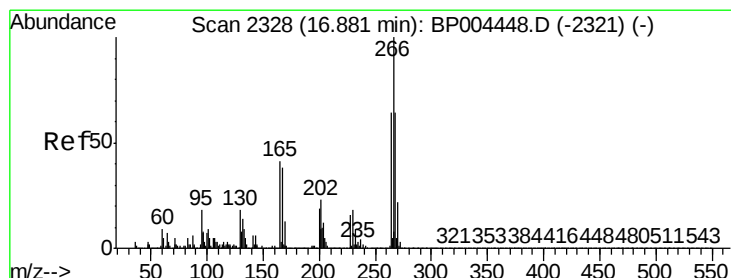
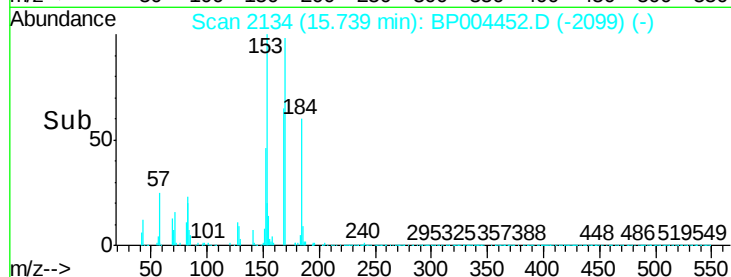
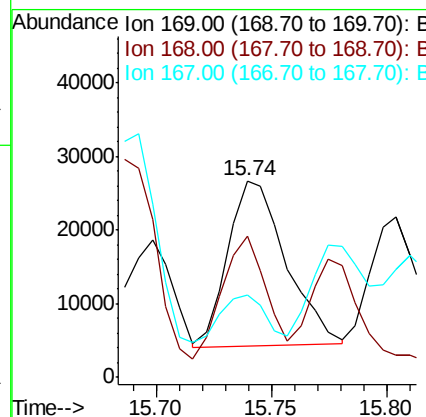
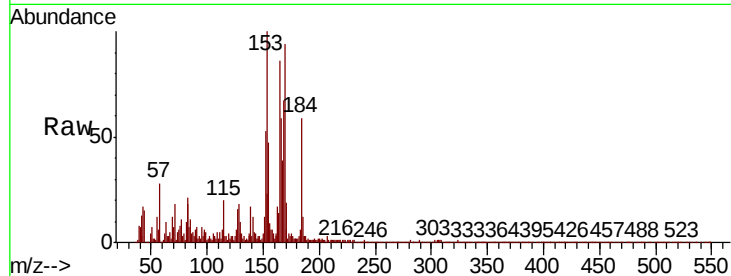
N-Nitrosodiphenylamine
 Concen: 1.210 ng/ul
 RT: 15.74 min Scan# 2134
 Delta R.T. 0.01 min
 Lab File: BP004452.D
 Acq: 28 Dec 2020 14:46

Instrument :
 BNA_P
 ClientSampleID :
 A54U0MS

Tot Ion	Ratio	Lower	Upper
169	100		
168	71.7	53.0	79.6
167	42.0	29.3	43.9

Manual Integrations
 APPROVED

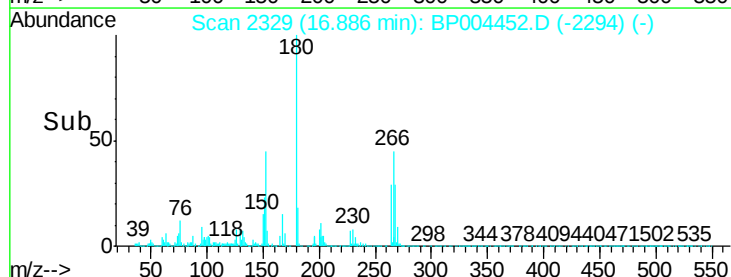
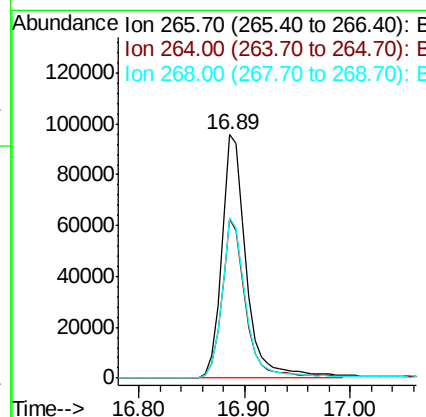
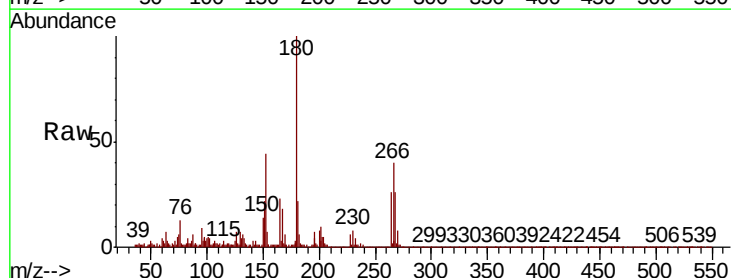
mohammad
 12/30/2020 2:20:24 PM

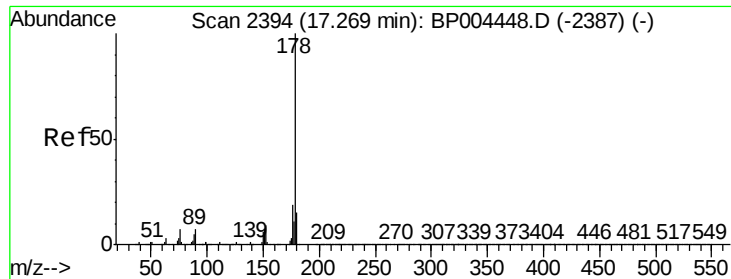


#69

Pentachlorophenol
 Concen: 19.426 ng/ul
 RT: 16.89 min Scan# 2329
 Delta R.T. 0.01 min
 Lab File: BP004452.D
 Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.6	49.8	74.8
268	65.6	50.5	75.7





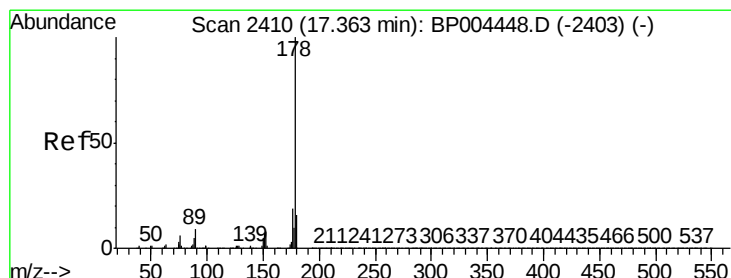
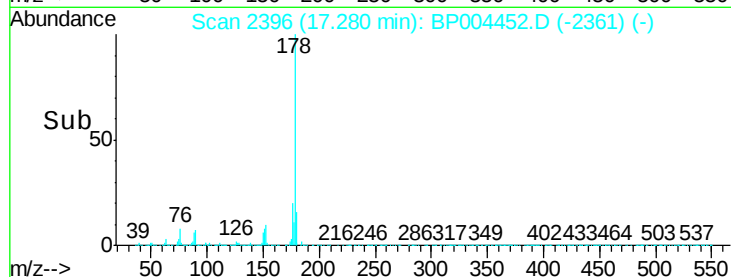
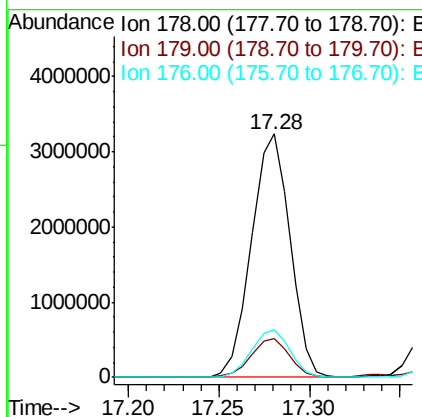
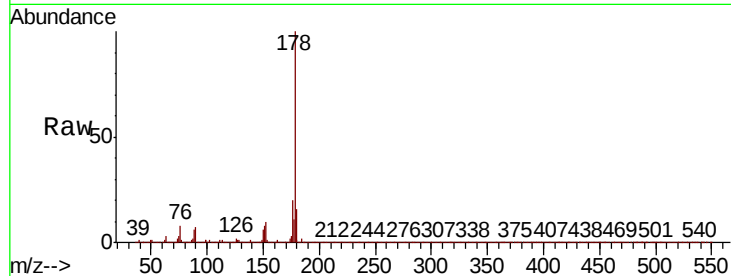
#70
Phenanthrene
Concen: 76.066 ng/ul
RT: 17.28 min Scan# 2396
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampleId :
A54U0MS

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6
176	19.8	15.3	22.9

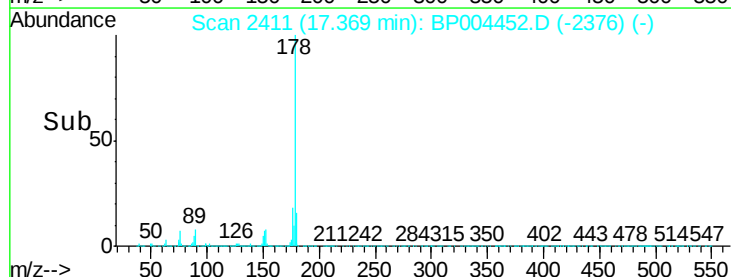
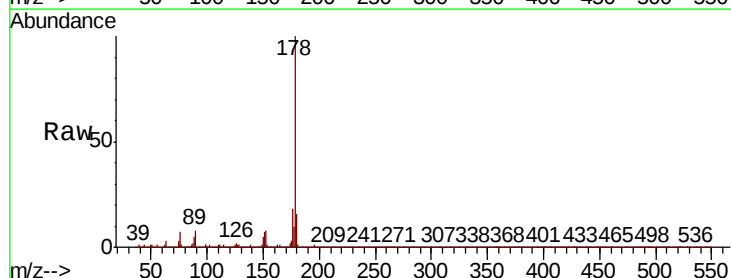
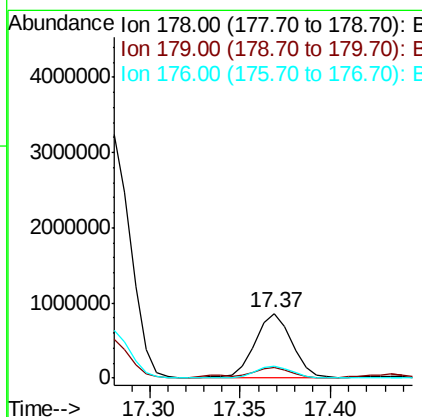
Manual Integrations
APPROVED

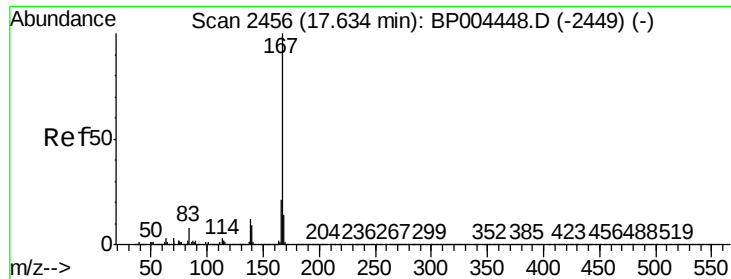
mohammad
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#72
Anthracene
Concen: 19.325 ng/ul
RT: 17.37 min Scan# 2411
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	18.4	15.0	22.4





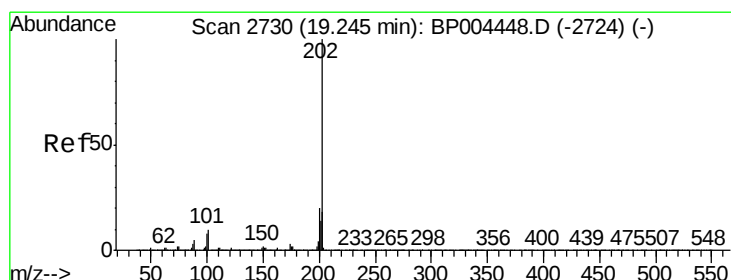
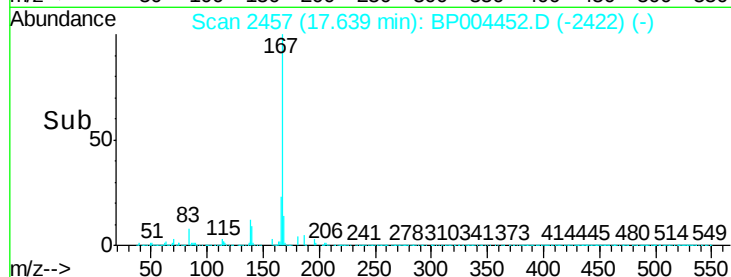
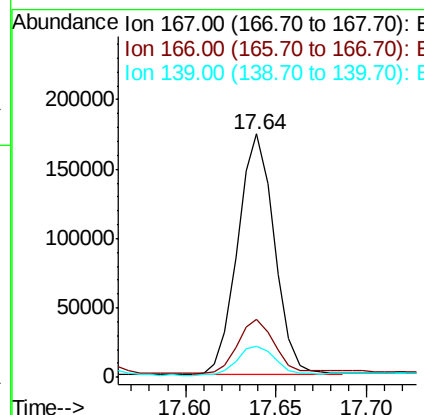
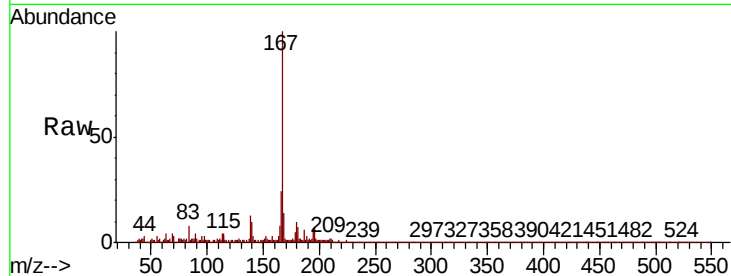
#75
 Carbazole
 Concen: 4.677 ng/ul
 RT: 17.64 min Scan# 2457
 Delta R.T. 0.01 min
 Lab File: BP004452.D
 Acq: 28 Dec 2020 14:46

Instrument :
 BNA_P
 ClientSampleId :
 A54U0MS

Tot Ion:	167	Resp:	243106
Ion Ratio	Lower	Upper	
167	100		
166	23.9	16.9	25.3
139	13.0	9.5	14.3

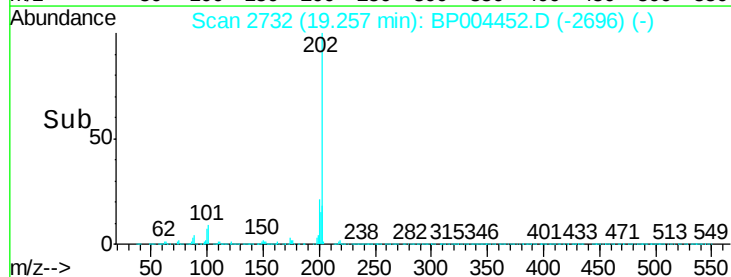
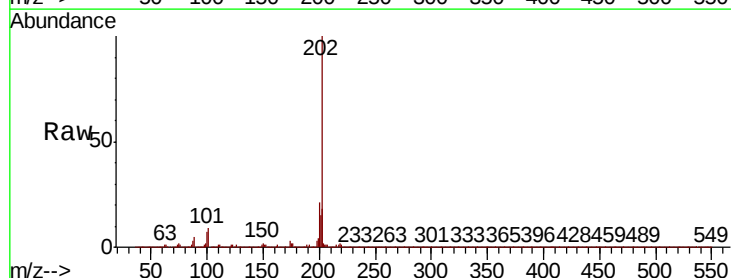
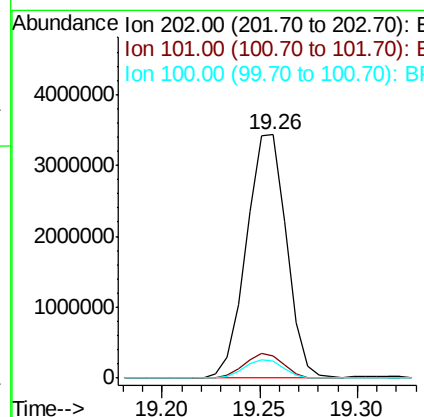
Manual Integrations
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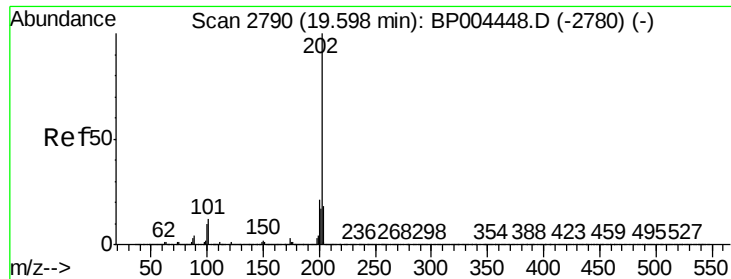
mohammad
 12/30/2020 2:20:24 PM



#77
 Fluoranthene
 Concen: 68.110 ng/ul
 RT: 19.26 min Scan# 2732
 Delta R.T. 0.01 min
 Lab File: BP004452.D
 Acq: 28 Dec 2020 14:46

Tgt Ion:	202	Resp:	4850268
Ion Ratio	Lower	Upper	
202	100		
101	9.1	8.0	12.0
100	7.0	6.2	9.4





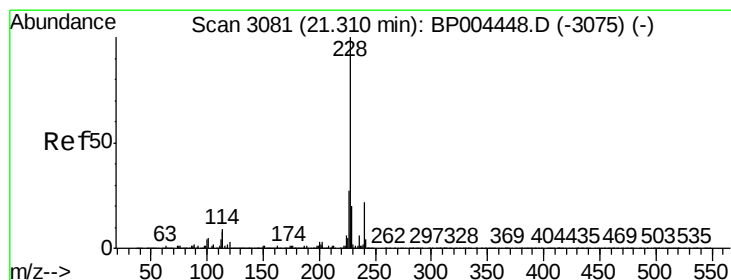
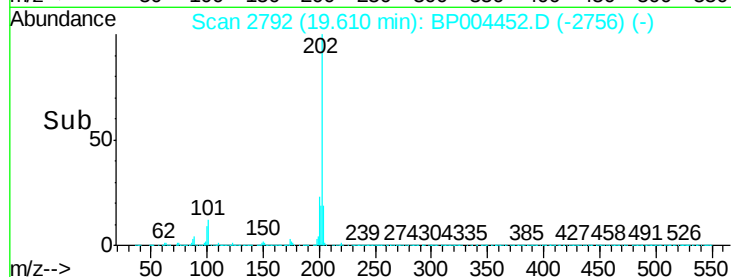
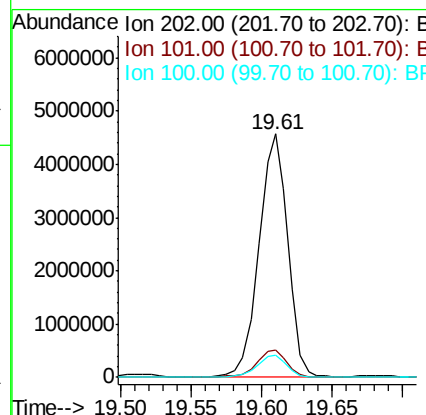
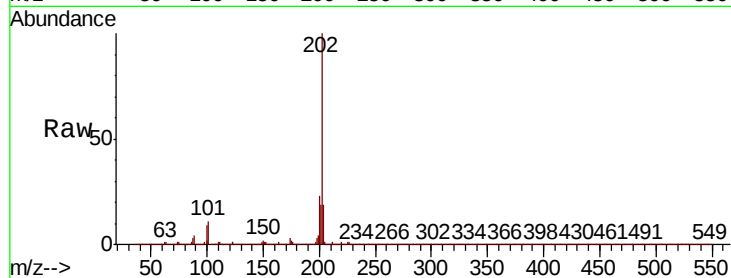
#80
Pvrene
Concen: 88.918 ng/ul
RT: 19.61 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampleId :
A54U0MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
100	9.2	8.0	12.0

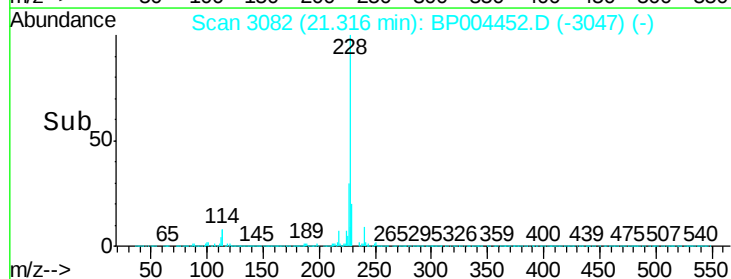
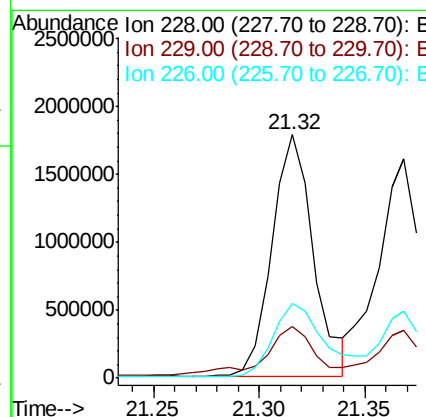
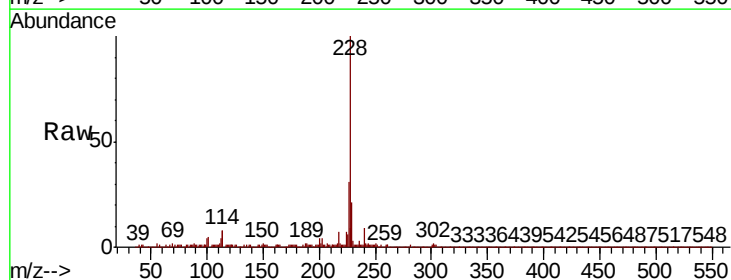
Manual Integrations
APPROVED

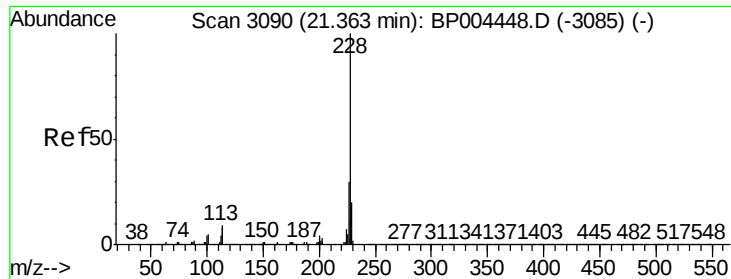
mohammad
12/30/2020 2:20:24 PM



#83
Benzo(a)anthracene
Concen: 33.682 ng/ul
RT: 21.32 min Scan# 3082
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.4	23.2
226	30.7	21.6	32.4





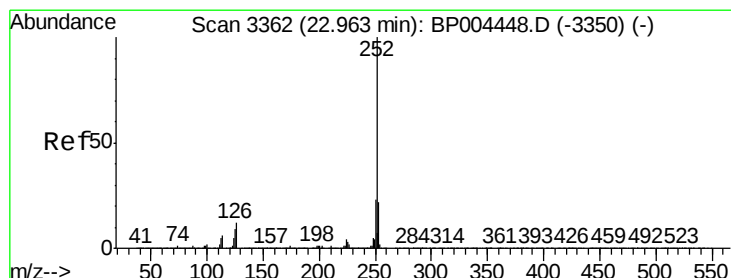
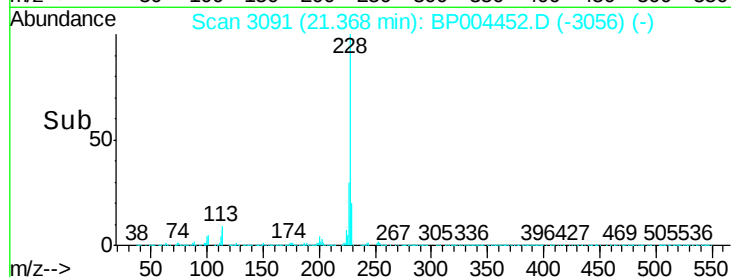
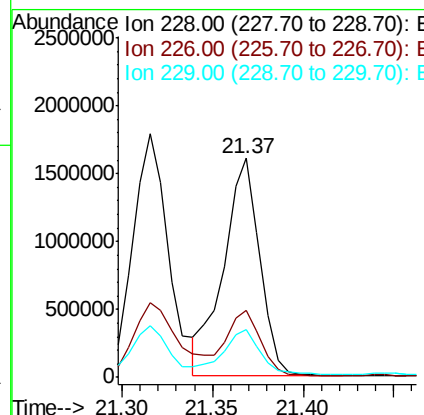
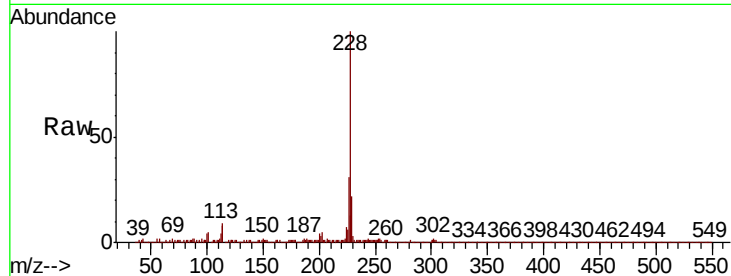
#85
Chrysene
Concen: 32.032 ng/ul
RT: 21.37 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampleId :
A54U0MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.4
229	22.1	15.8	23.6

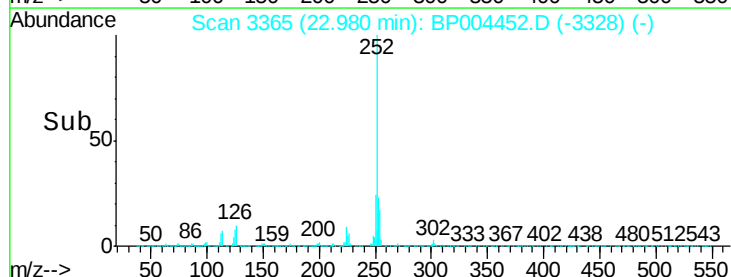
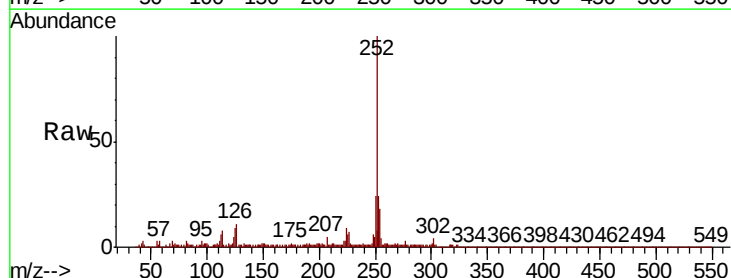
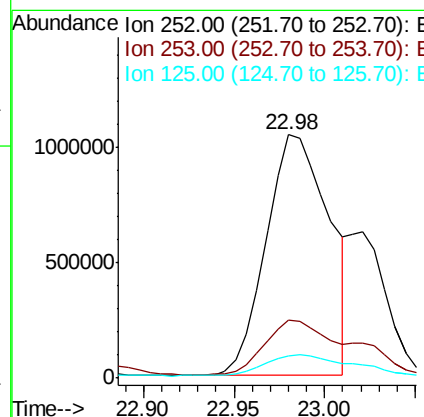
Manual Integrations
APPROVED

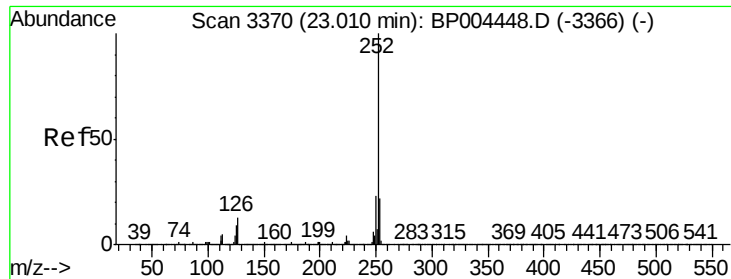
mohammad
12/30/2020 2:20:24 PM



#88
Benzo(b)fluoranthene
Concen: 32.471 ng/ul
RT: 22.98 min Scan# 3365
Delta R.T. 0.02 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	9.3	7.2	10.8





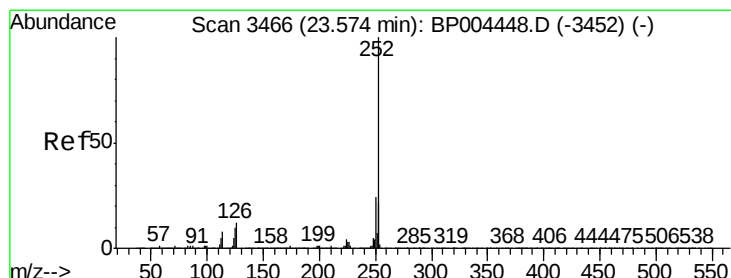
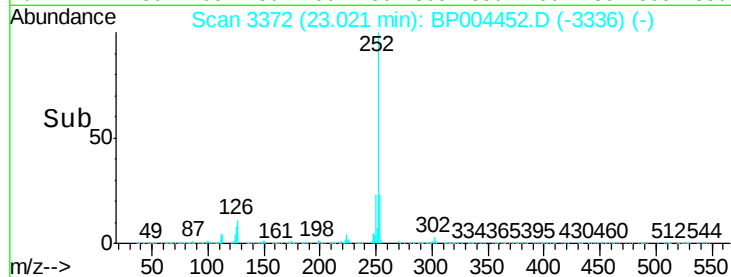
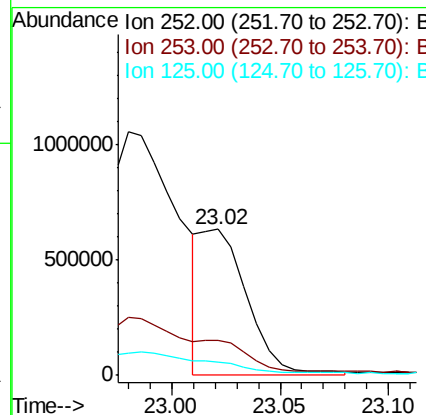
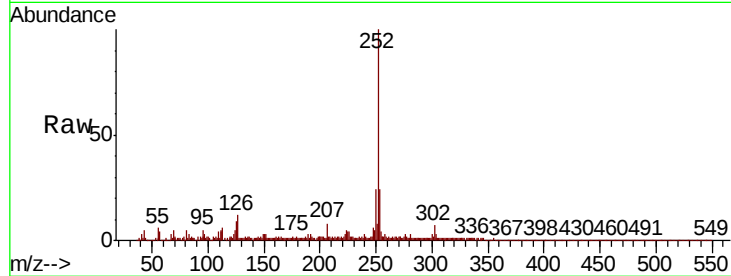
#89
Benzo(k)fluoranthene
Concen: 12.441 ng/ul m
RT: 23.02 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Instrument :
BNA_P
ClientSampleId :
A54U0MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	9.4	7.2	10.8

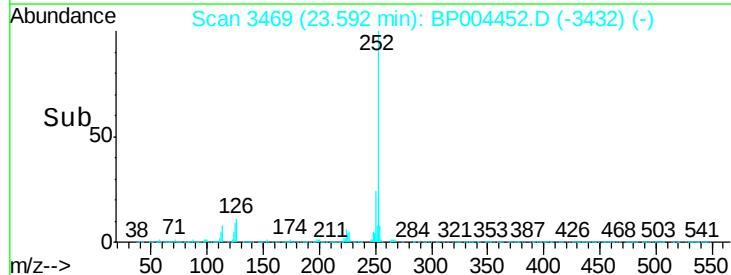
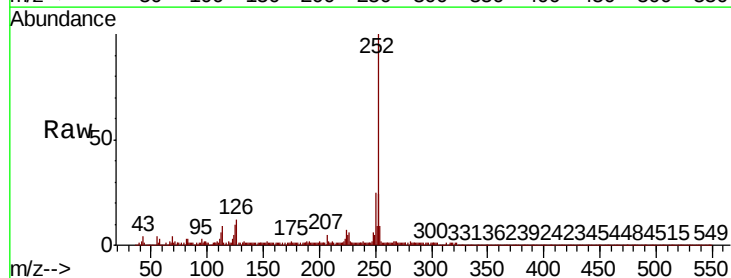
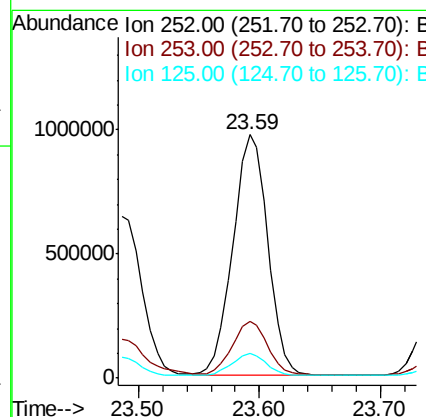
Manual Integrations
APPROVED

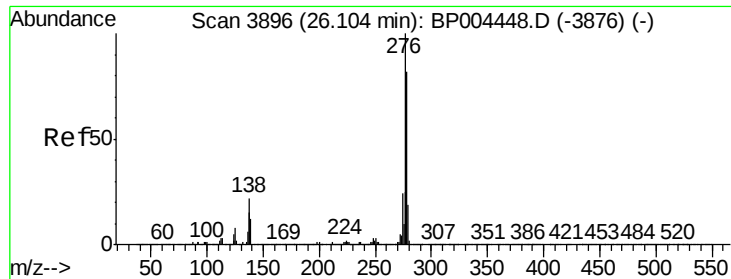
mohammad
12/30/2020 2:20:24 PM



#91
Benzo(a)pyrene
Concen: 27.268 ng/ul
RT: 23.59 min Scan# 3469
Delta R.T. 0.02 min
Lab File: BP004452.D
Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	10.1	8.1	12.1





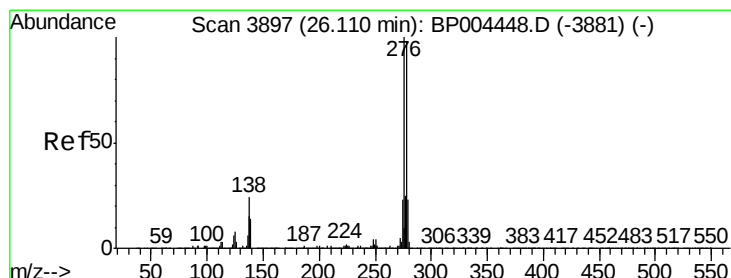
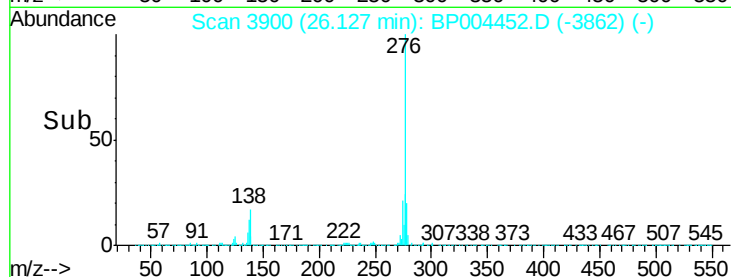
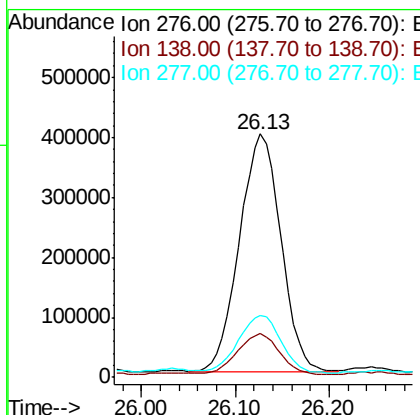
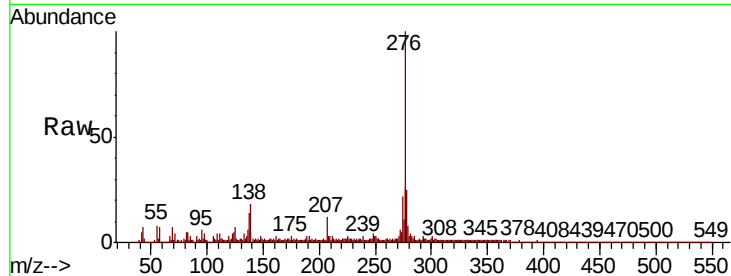
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 13.443 ng/ul
 RT: 26.13 min Scan# 3900
 Delta R.T. 0.02 min
 Lab File: BP004452.D
 Acq: 28 Dec 2020 14:46

Instrument :
 BNA_P
 ClientSampleId :
 A54U0MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	17.9	26.9
277	25.6	20.3	30.5

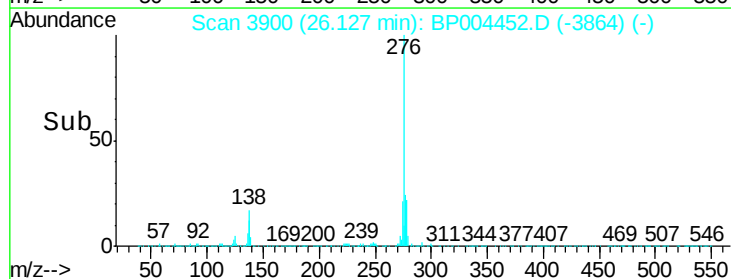
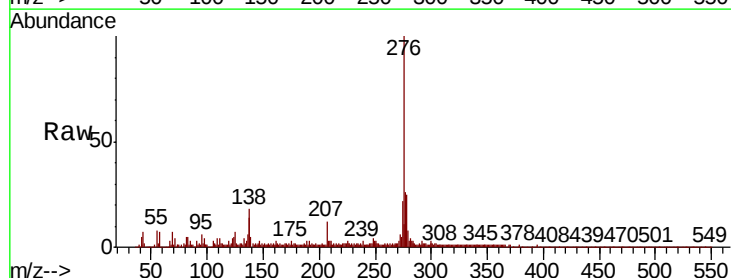
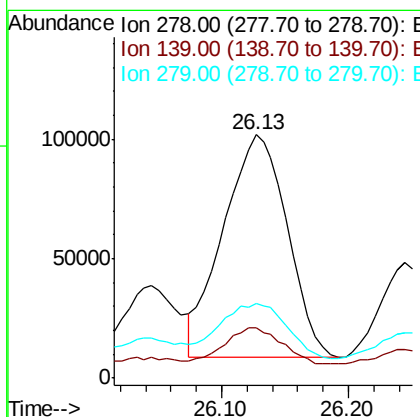
Manual Integrations
 APPROVED

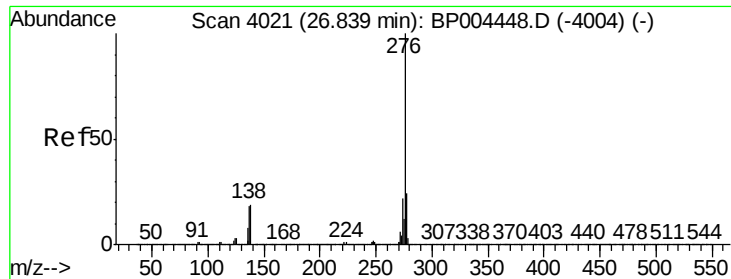
mohammad
 12/30/2020 2:20:24 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 4.310 ng/ul
 RT: 26.13 min Scan# 3900
 Delta R.T. 0.01 min
 Lab File: BP004452.D
 Acq: 28 Dec 2020 14:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	11.4	17.2#
279	30.5	19.1	28.7#





#94

Benzo(a,h,i)perylene

Concen: 11.901 ng/ul

RT: 26.87 min Scan# 4027

Delta R.T. 0.03 min

Lab File: BP004452.D

Acq: 28 Dec 2020 14:46

Instrument :

BNA_P

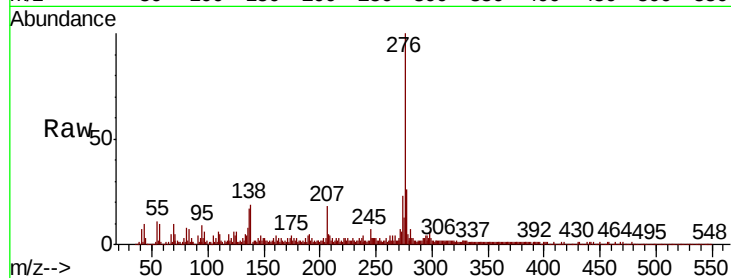
ClientSampleId :

A54U0MS

Tot Ion:	276	Resp:	905606
Ion Ratio		Lower	Upper
276	100		
138	18.6	15.8	23.6
277	26.2	18.7	28.1

Manual Integrations
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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

