

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
 Data File : BP004275.D
 Acq On : 14 Dec 2020 15:45
 Operator : CG/JU
 Sample : L5000-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54A1MSD

Manual Integrations
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mohammad
 12/17/2020 9:51:36 AM

Quant Time: Dec 15 00:21:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 10 13:52:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	334965	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1444777	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	922915	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.25	188	1989418	20.00	ng/ul	0.01
78) Chrysene-d12	21.34	240	1907865	20.00	ng/ul	0.02
86) Perylene-d12	23.71	264	2274406	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	24110	2.53	ng/uL	0.00
5) Phenol-d5	7.00	99	538229	19.42	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.17	67	287774	16.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	439393	20.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	419719	20.05	ng/ul	0.01
19) Nitrobenzene-d5	8.99	128	221689	18.74	ng/ul	0.01
22) 2-Nitrophenol-d4	9.72	143	246390	25.25	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	469620	21.88	ng/ul	0.01
29) 4-Chloroaniline-d4	10.76	131	448116	16.85	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	1363500	19.33	ng/ul	0.01
47) Acenaphthylene-d8	14.17	160	1781319	19.79	ng/ul	0.01
52) 4-Nitrophenol-d4	14.68	143	195746	16.43	ng/ul	0.02
58) Fluorene-d10	15.48	176	1209531	18.93	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.60	200	100364	10.51	ng/ul	0.02
71) Anthracene-d10	17.35	188	1906723	19.67	ng/ul	0.01
79) Pyrene-d10	19.59	212	2133443	21.47	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.56	264	2421041	20.21	ng/ul	0.04

Target Compounds

					Ovalue
6) Phenol	7.03	94	539631	18.652	ng/ul 98
10) 2-Chlorophenol	7.40	128	403612	18.306	ng/ul 97
15) N-Nitroso-di-n-propylamine	8.64	70	298410	18.607	ng/ul 96
33) 4-Chloro-3-methylphenol	11.92	107	440998	21.541	ng/ul 98
45) Dimethylphthalate	13.93	163	290222	4.039	ng/ul 100
50) Acenaphthene	14.55	153	1101784	17.417	ng/ul 99
53) 4-Nitrophenol	14.69	109	150602	17.128	ng/ul 95
55) 2,4-Dinitrotoluene	14.85	165	370982	19.539	ng/ul 95
69) Pentachlorophenol	16.90	266	261002	20.456	ng/ul 100
70) Phenanthrene	17.29	178	1464705	12.480	ng/ul 99
72) Anthracene	17.38	178	189201	1.629	ng/ul 98
75) Carbazole	17.65	167	184807	1.956	ng/ul 99
77) Fluoranthene	19.26	202	4758416	37.970	ng/ul 96
80) Pyrene	19.62	202	6105204	47.439	ng/ul 97
83) Benzo(a)anthracene	21.33	228	1806178	14.362	ng/ul 97
85) Chrysene	21.37	228	2496483	20.235	ng/ul 98
88) Benzo(b)fluoranthene	22.99	252	3695339	25.620	ng/ul 97
89) Benzo(k)fluoranthene	23.03	252	1296448m	8.752	ng/ul
91) Benzo(a)pyrene	23.60	252	2325046	17.274	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	26.14	276	2017801	11.954	ng/ul# 94
93) Dibenzo(a,h)anthracene	26.15	278	456703	3.228	ng/ul# 79
94) Benzo(a,h,i)perylene	26.89	276	1699436	12.001	ng/ul 95

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 10 13:52:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

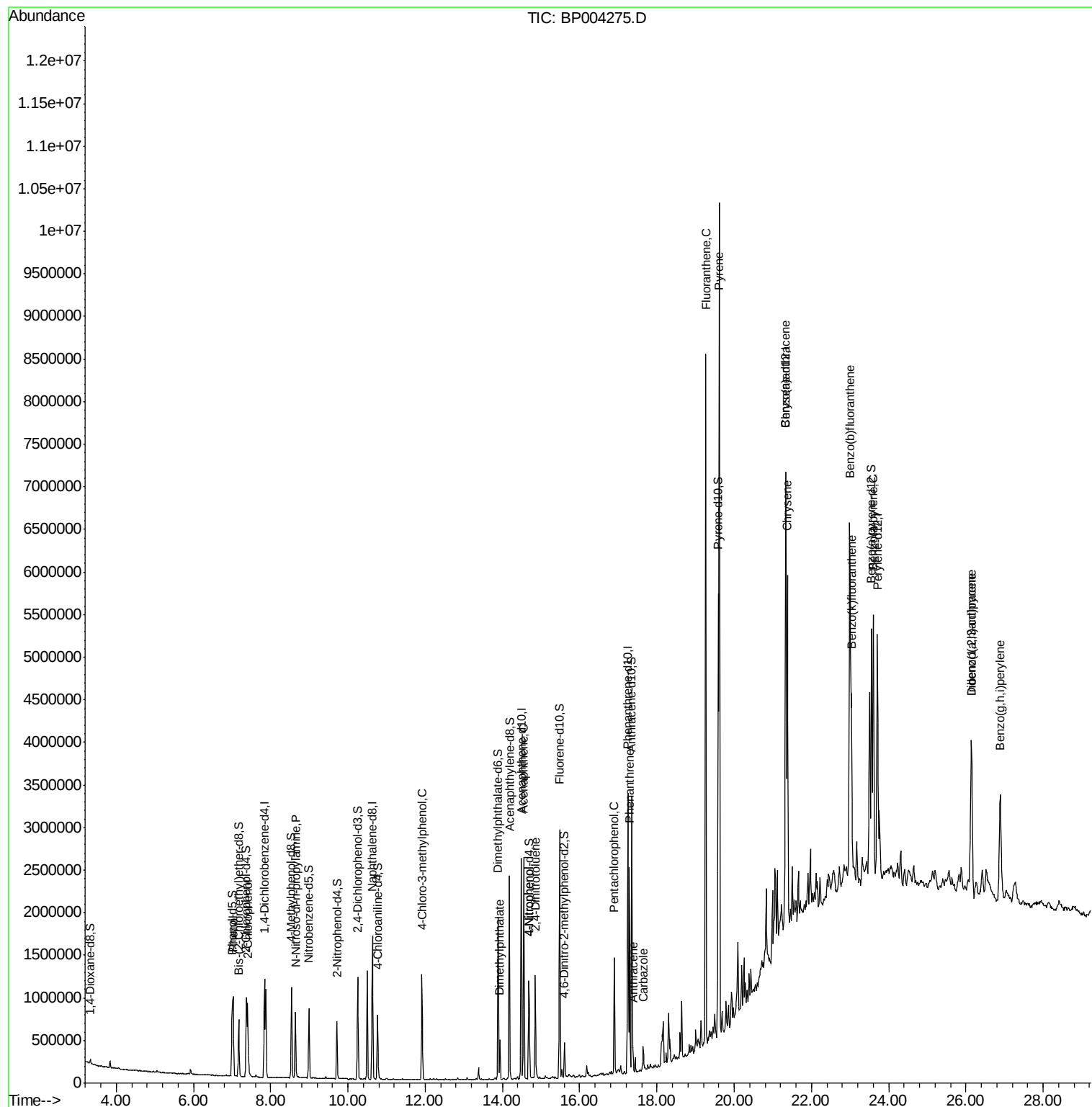
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004275.D
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Operator : CG/JU
Sample : L5000-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

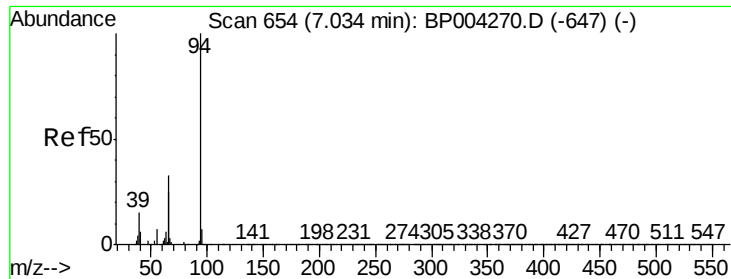
Instrument :
BNA_P
ClientSampled :
A54A1MSD

Quant Time: Dec 15 00:21:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
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#6

Phenol

Concen: 18.652 ng/ul

RT: 7.03 min Scan# 653

Delta R.T. 0.01 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

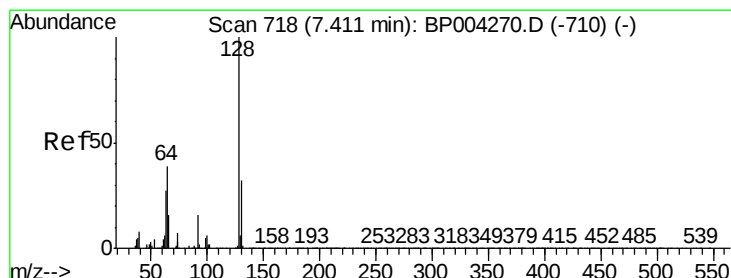
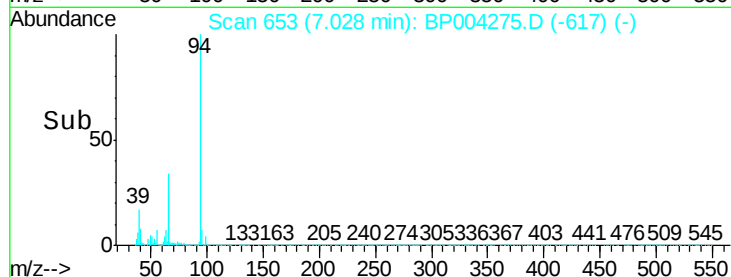
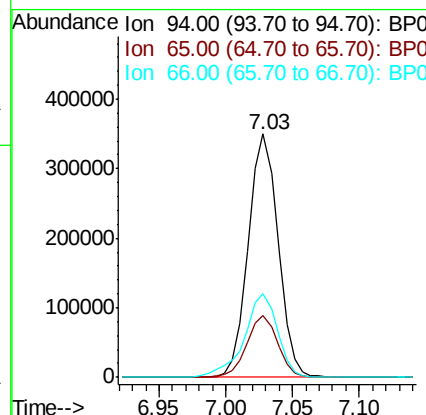
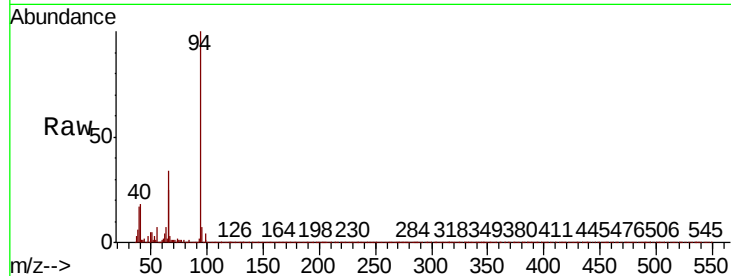
ClientSampleId :

A54A1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	25.3	20.8	31.2		
66	34.4	26.5	39.7		

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#10

2-Chlorophenol

Concen: 18.306 ng/ul

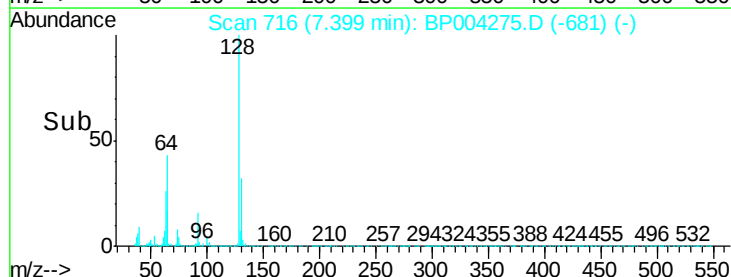
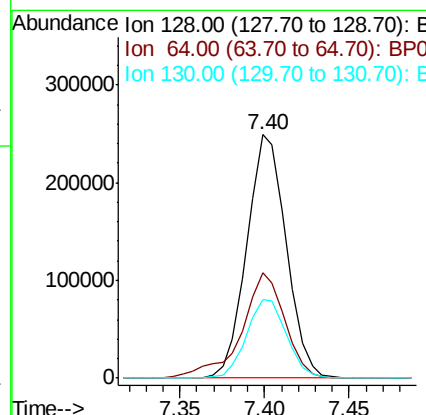
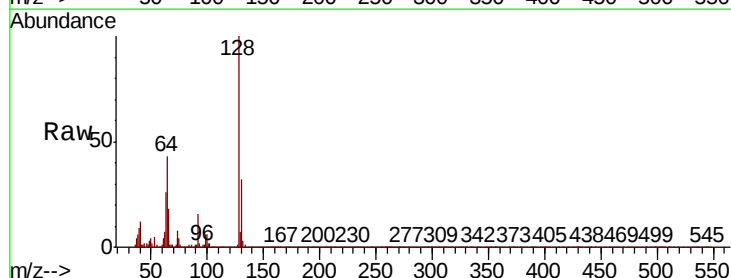
RT: 7.40 min Scan# 716

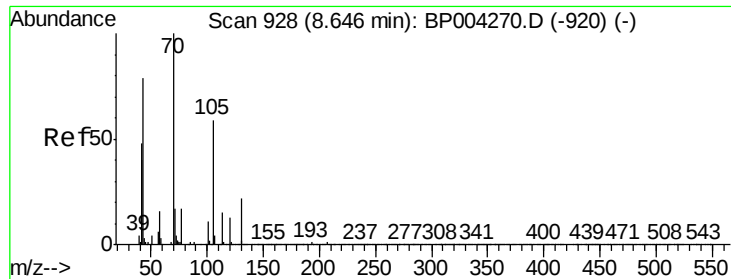
Delta R.T. 0.01 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
64	43.3	36.9	55.3		
130	32.0	25.9	38.9		





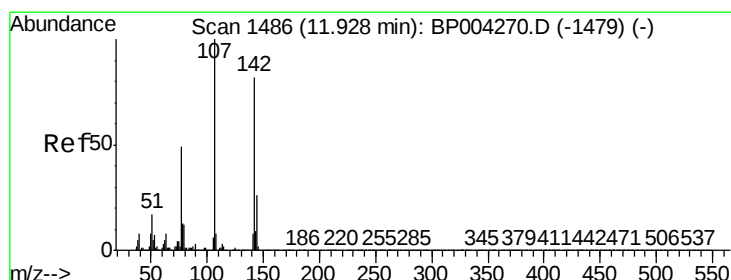
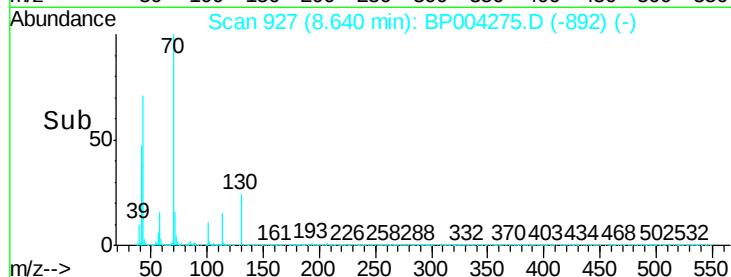
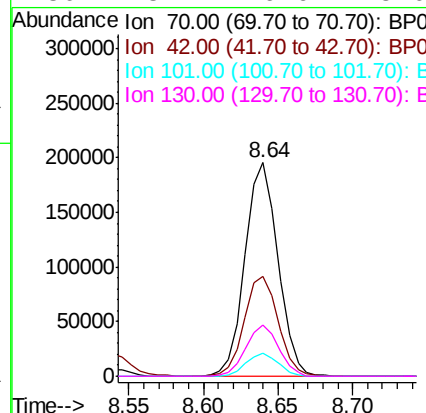
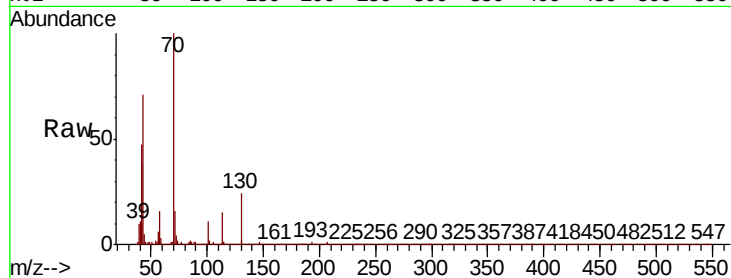
#15
N-Nitroso-di-n-propylamine
Concen: 18.607 ng/ul
RT: 8.64 min Scan# 927
Delta R.T. 0.01 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Instrument :
BNA_P
ClientSampleId :
A54A1MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	46.7	39.0	58.6	
101	10.8	7.6	11.4	
130	23.7	16.6	25.0	

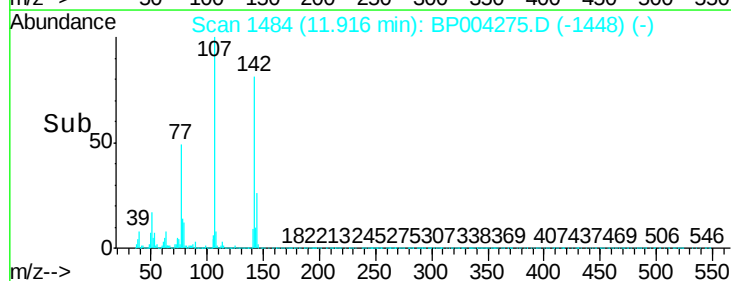
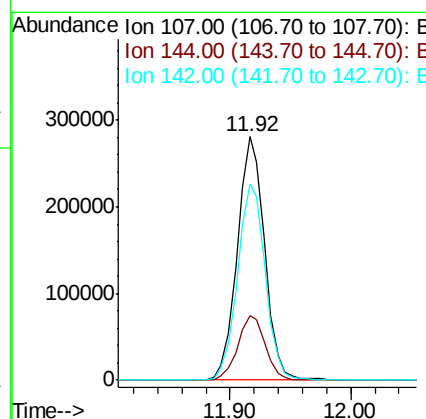
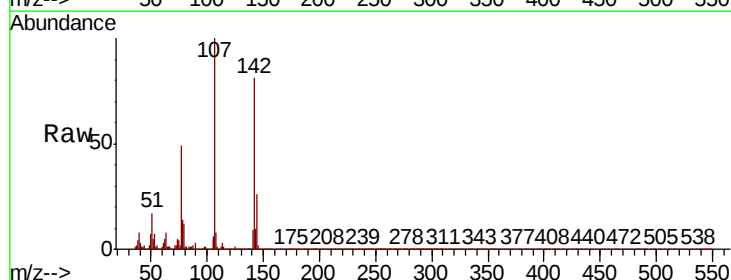
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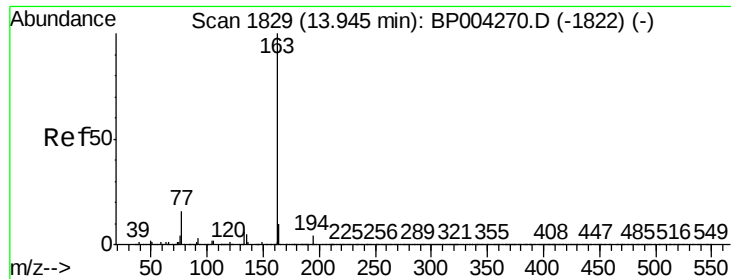
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#33
4-Chloro-3-methylphenol
Concen: 21.541 ng/ul
RT: 11.92 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	26.3	22.0	33.0	
142	80.7	66.2	99.2	





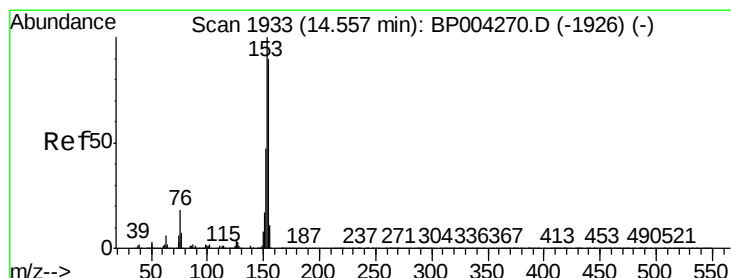
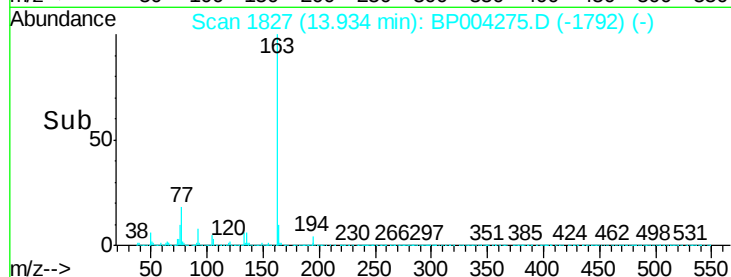
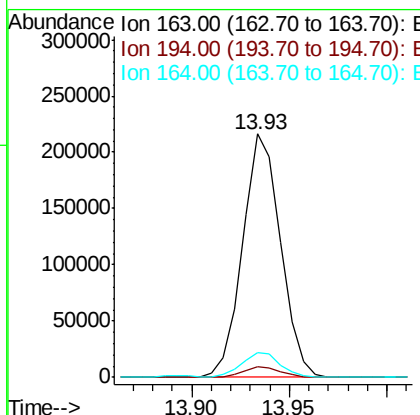
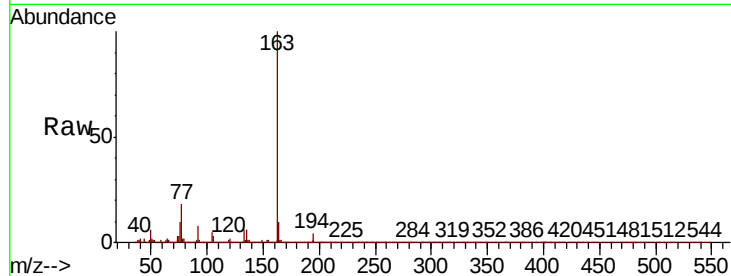
#45
Dimethylphthalate
Concen: 4.039 ng/ul
RT: 13.93 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Instrument :
BNA_P
ClientSampleId :
A54A1MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	8.4	12.6

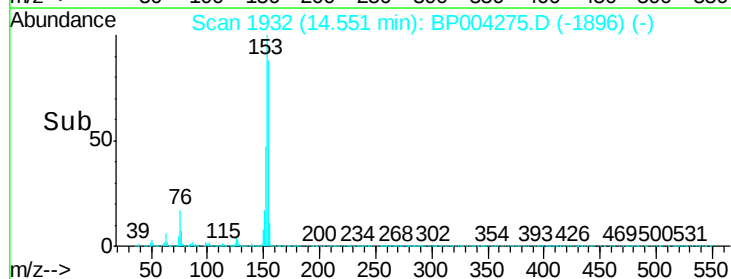
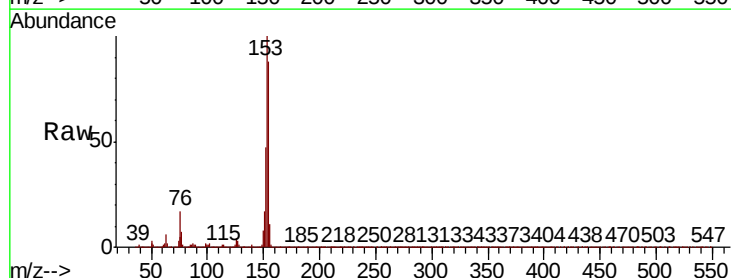
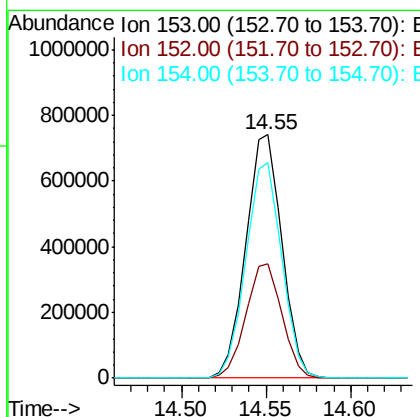
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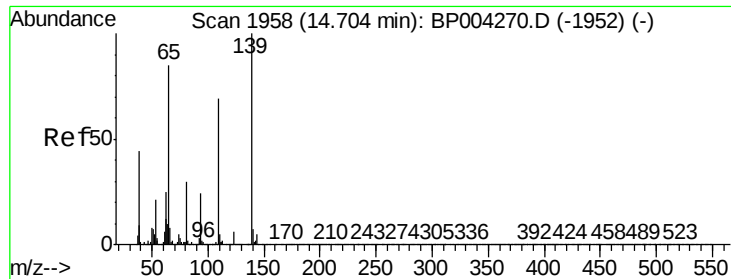
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#50
Acenaphthene
Concen: 17.417 ng/ul
RT: 14.55 min Scan# 1932
Delta R.T. 0.01 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.8	56.6
154	88.3	69.8	104.8





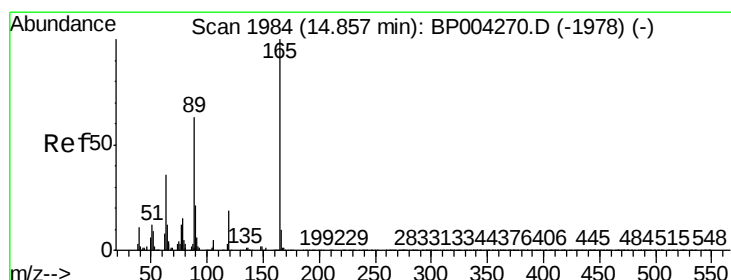
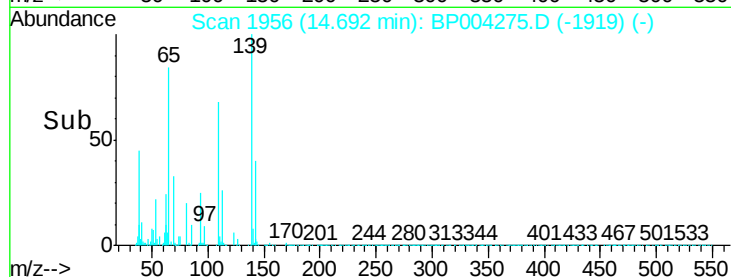
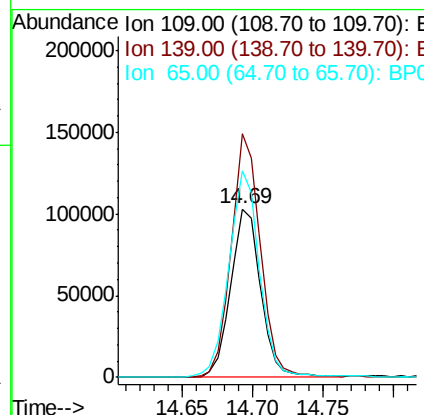
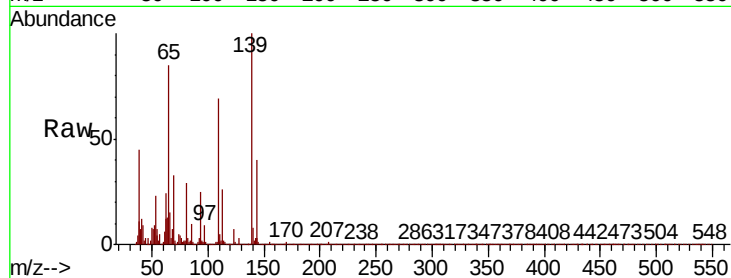
#53
4-Nitrophenol
Concen: 17.128 ng/ul
RT: 14.69 min Scan# 1956
Delta R.T. 0.02 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Instrument :
BNA_P
ClientSampleId :
A54A1MSD

Tot Ion	Ratio	Lower	Upper
109	100		
139	144.7	113.5	170.3
65	122.9	105.1	157.7

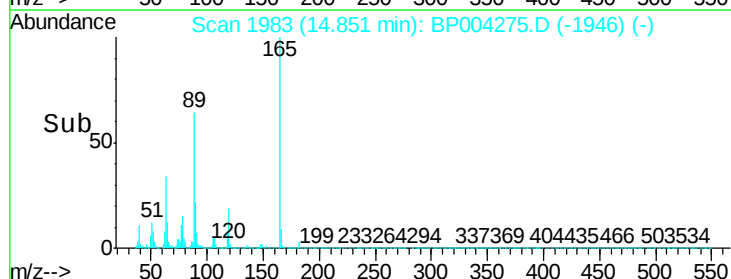
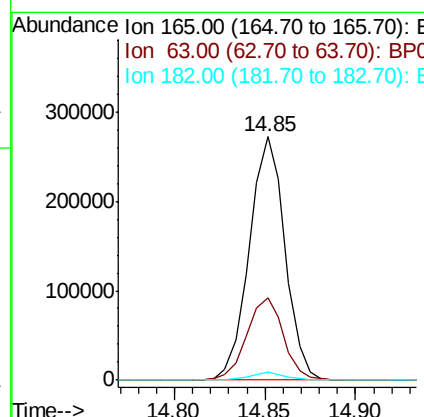
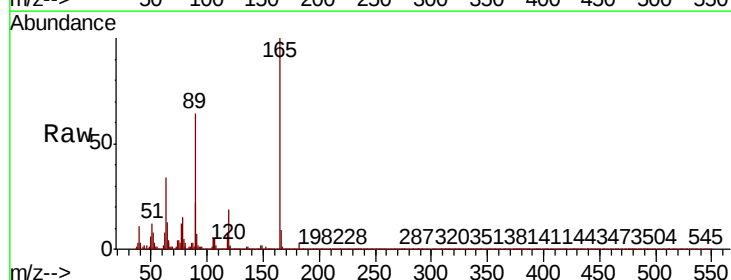
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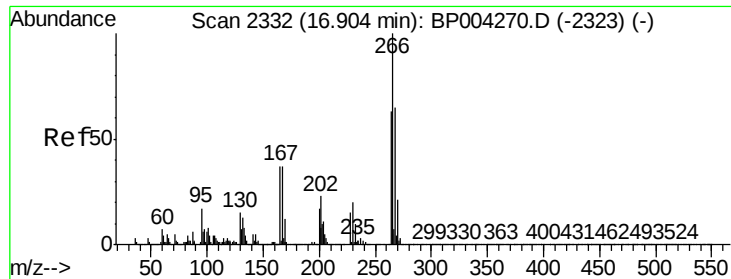
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#55
2,4-Dinitrotoluene
Concen: 19.539 ng/ul
RT: 14.85 min Scan# 1983
Delta R.T. 0.02 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	33.9	29.4	44.2
182	3.1	2.6	3.8





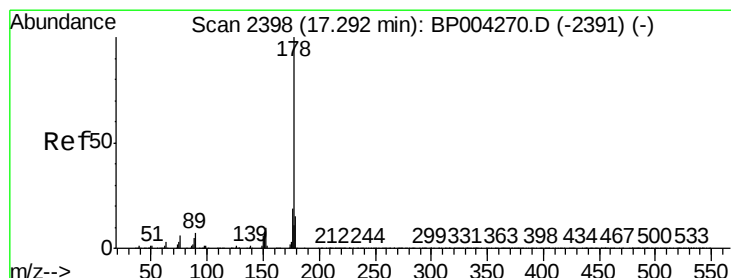
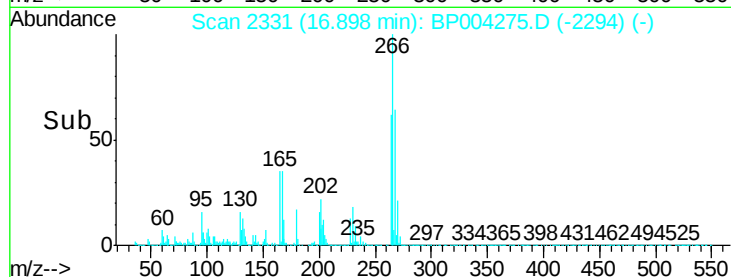
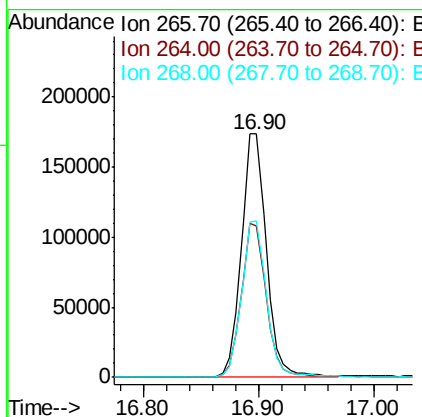
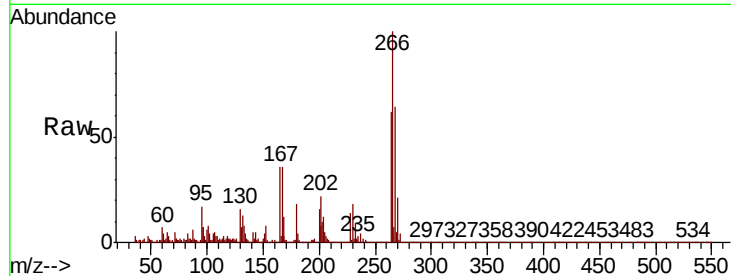
#69
 Pentachlorophenol
 Concen: 20.456 ng/ul
 RT: 16.90 min Scan# 2331
 Delta R.T. 0.02 min
 Lab File: BP004275.D
 Acq: 14 Dec 2020 15:45

Instrument :
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Tot Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.8	74.6
268	64.4	52.0	78.0

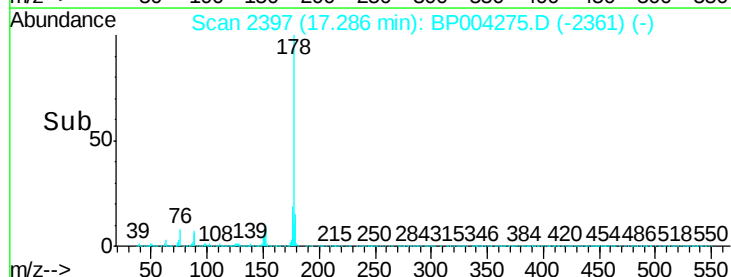
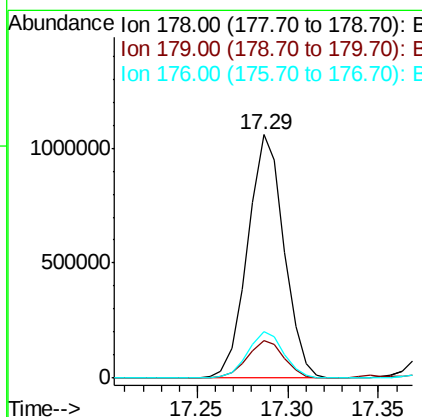
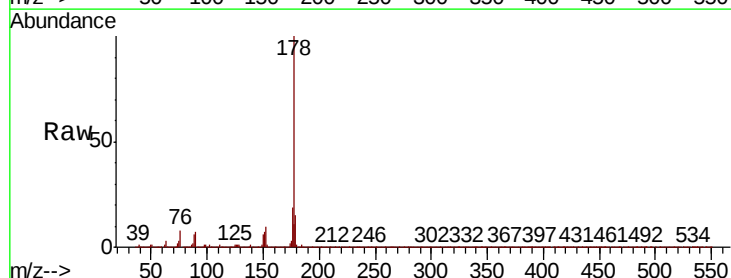
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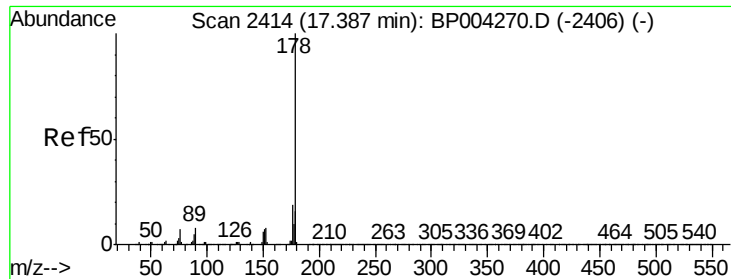
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#70
 Phenanthrene
 Concen: 12.480 ng/ul
 RT: 17.29 min Scan# 2397
 Delta R.T. 0.01 min
 Lab File: BP004275.D
 Acq: 14 Dec 2020 15:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	19.0	15.4	23.0





#72

Anthracene

Concen: 1.629 ng/ul

RT: 17.38 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

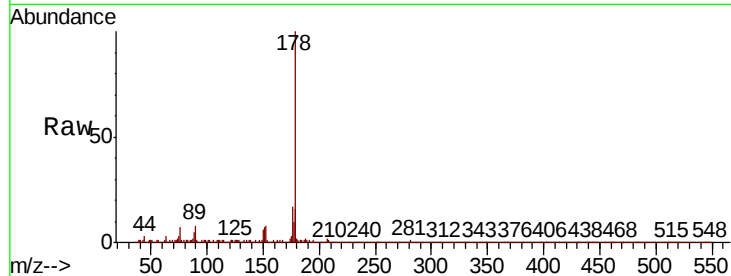
ClientSampled :

A54A1MSD

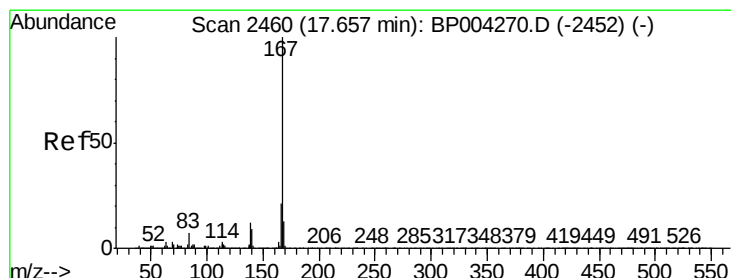
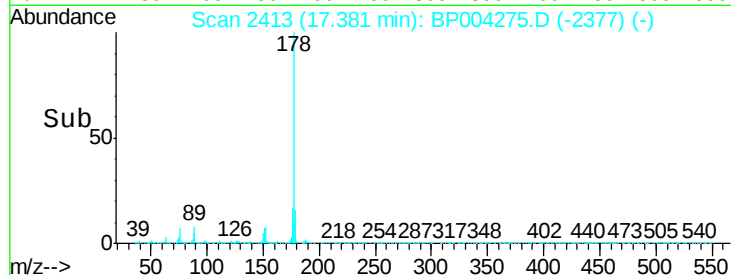
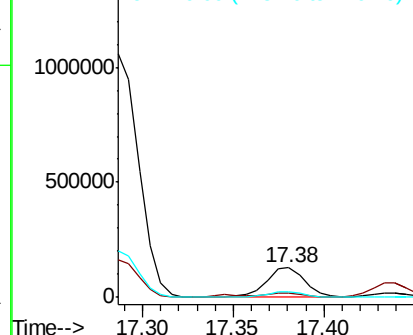
Tot Ion:	178	Resp:	189201
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.3	18.5
176	17.5	14.9	22.3

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



#75

Carbazole

Concen: 1.956 ng/ul

RT: 17.65 min Scan# 2458

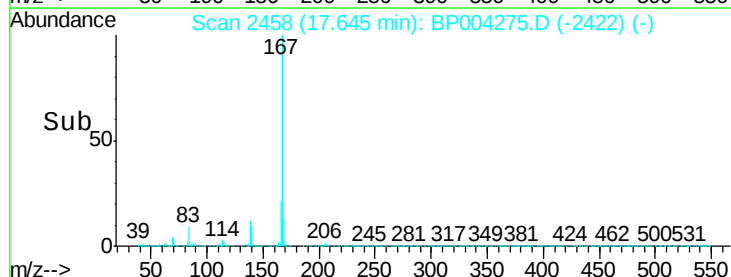
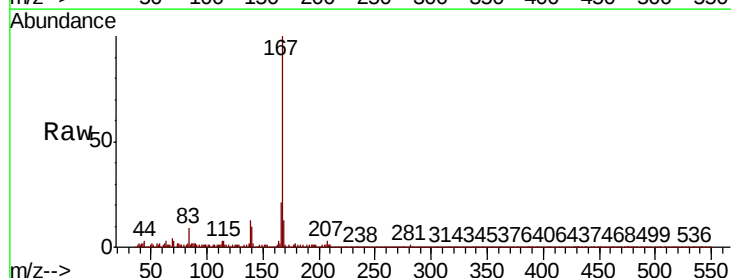
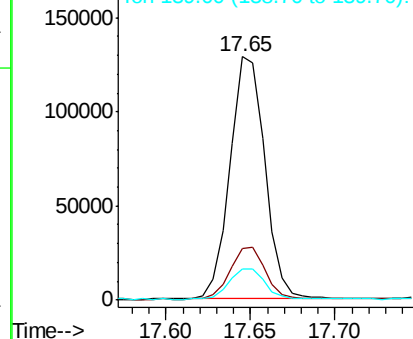
Delta R.T. 0.01 min

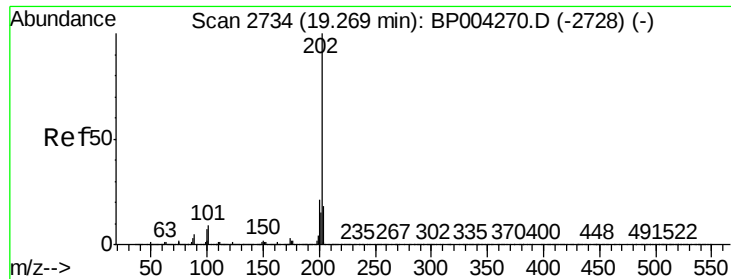
Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Tgt Ion:	167	Resp:	184807
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.1	25.7
139	12.7	9.8	14.6

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





#77

Fluoranthene

Concen: 37.970 ng/ul

RT: 19.26 min Scan# 2733

Delta R.T. 0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

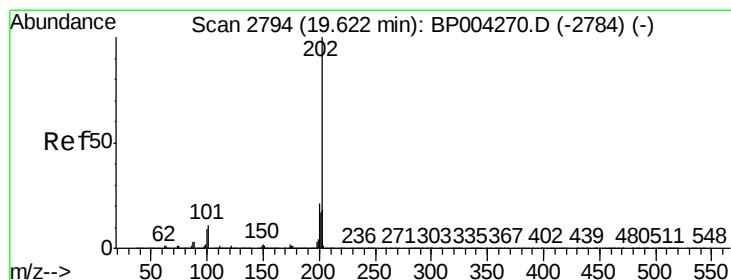
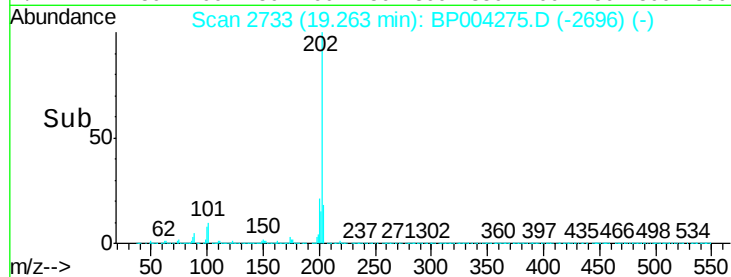
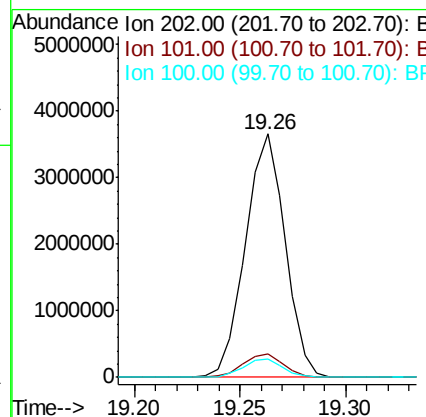
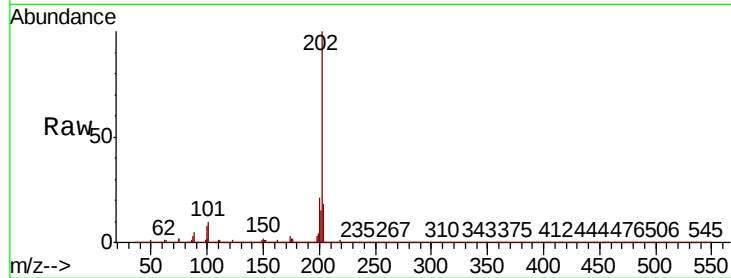
ClientSampleId :

A54A1MSD

Tot Ion:	202	Resp:	4758416
Ion Ratio	Lower	Upper	
202	100		
101	9.8	9.1	13.7
100	7.6	7.1	10.7

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#80

Pyrene

Concen: 47.439 ng/ul

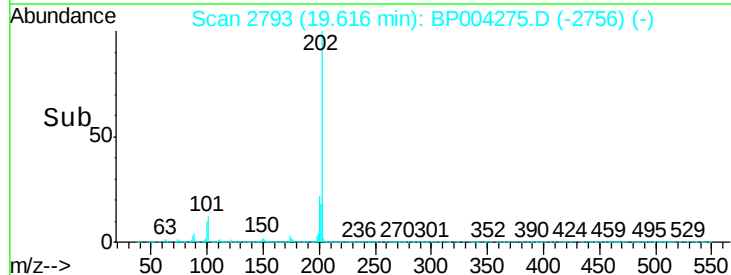
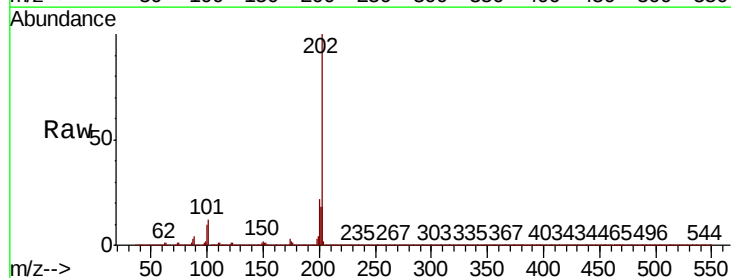
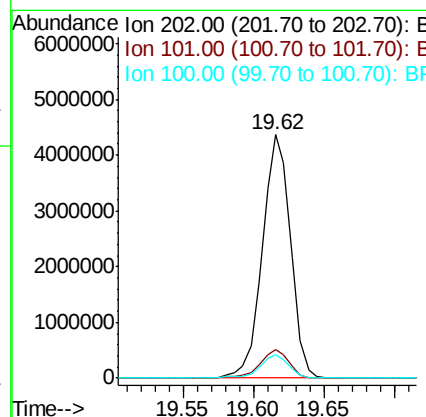
RT: 19.62 min Scan# 2793

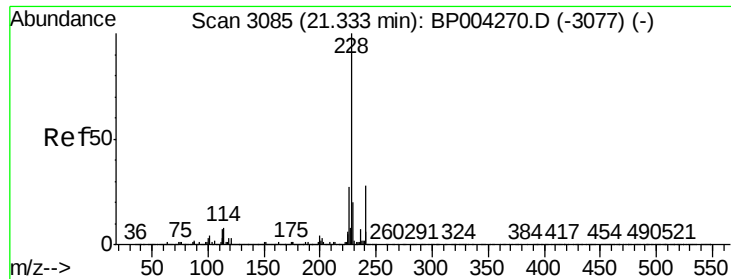
Delta R.T. 0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Tgt Ion:	202	Resp:	6105204
Ion Ratio	Lower	Upper	
202	100		
101	11.7	10.6	15.8
100	9.7	8.6	12.8





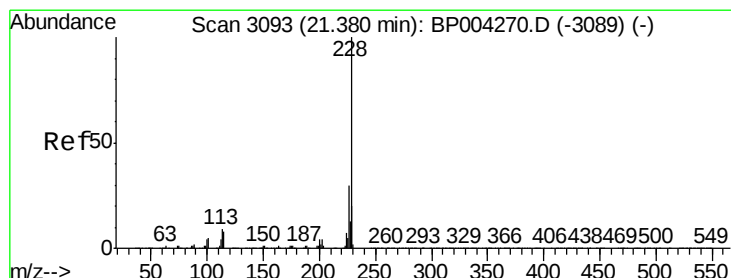
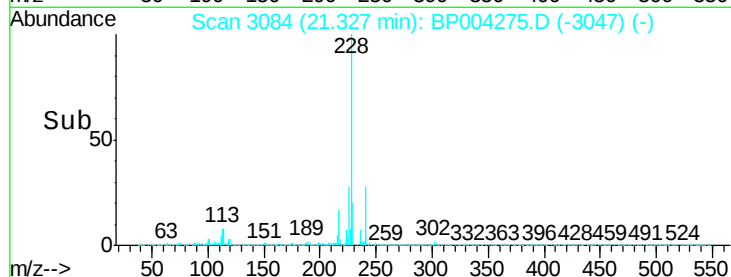
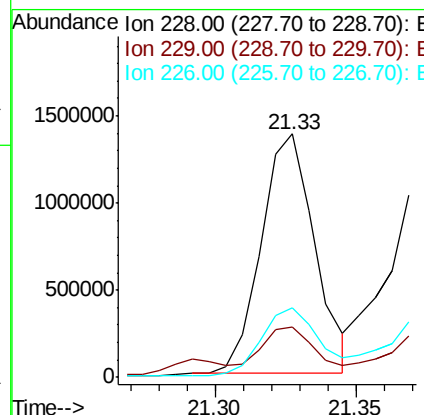
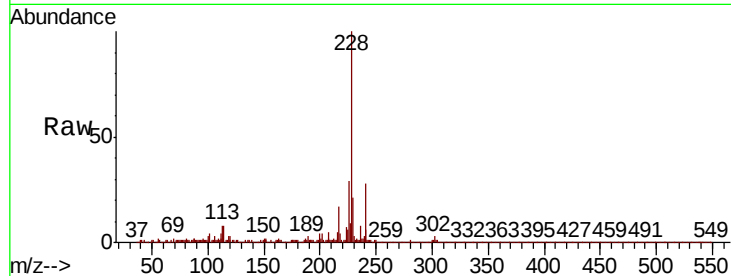
#83
Benzo(a)anthracene
Concen: 14.362 ng/ul
RT: 21.33 min Scan# 3084
Delta R.T. 0.02 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Instrument :
BNA_P
ClientSampleId :
A54A1MSD

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.8
226	28.6	21.7	32.5

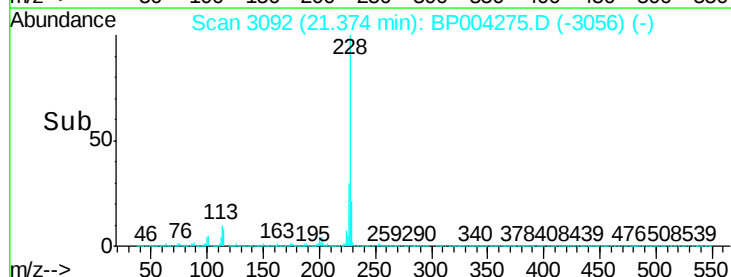
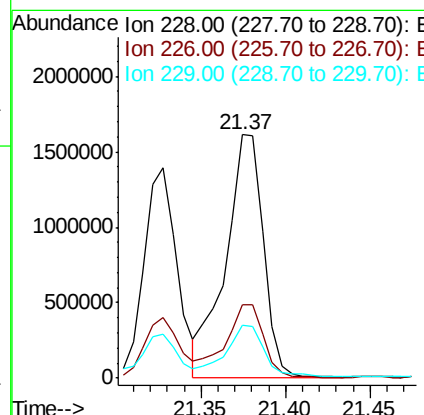
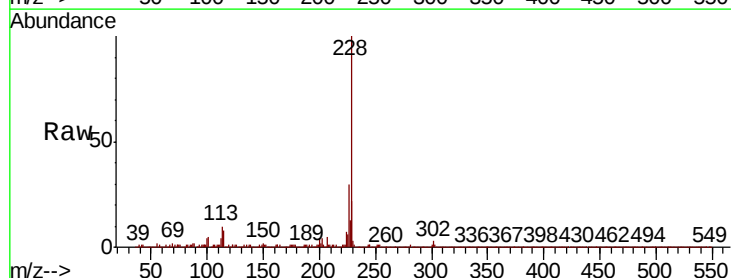
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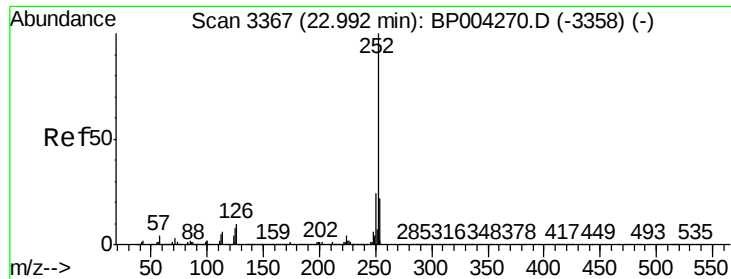
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#85
Chrysene
Concen: 20.235 ng/ul
RT: 21.37 min Scan# 3092
Delta R.T. 0.01 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	21.9	15.8	23.8





#88

Benzo(b)fluoranthene

Concen: 25.620 ng/ul

RT: 22.99 min Scan# 3367

Delta R.T. 0.03 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

Instrument :

BNA_P

ClientSampleId :

A54A1MSD

Tot Ion:252 Resp: 3695339

Ion Ratio Lower Upper

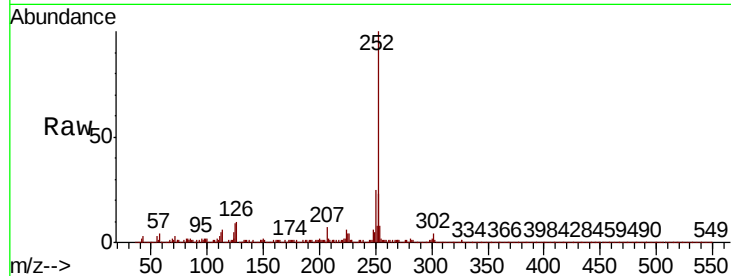
252 100

253 23.5 17.6 26.4

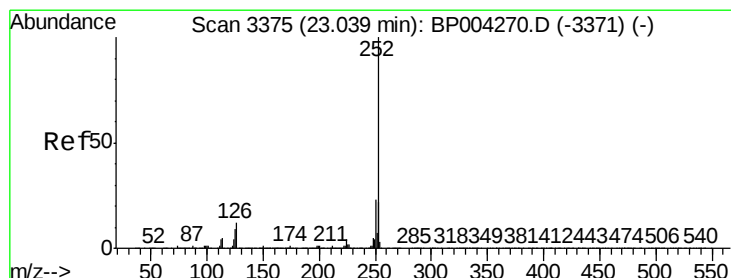
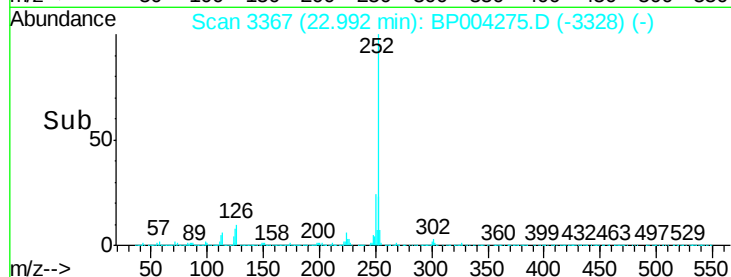
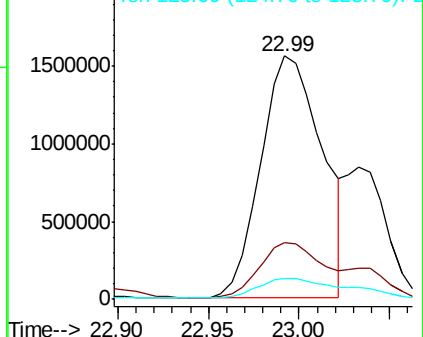
125 8.7 7.7 11.5

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 8.752 ng/ul m

RT: 23.03 min Scan# 3374

Delta R.T. 0.02 min

Lab File: BP004275.D

Acq: 14 Dec 2020 15:45

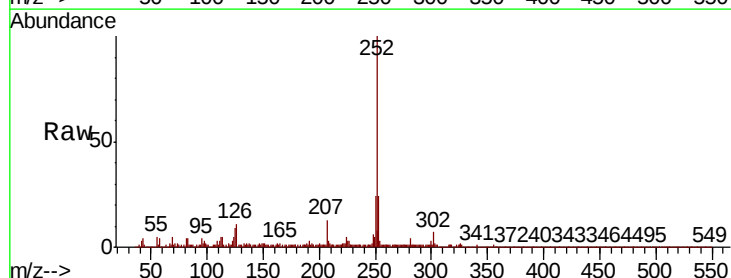
Tgt Ion:252 Resp: 1296448

Ion Ratio Lower Upper

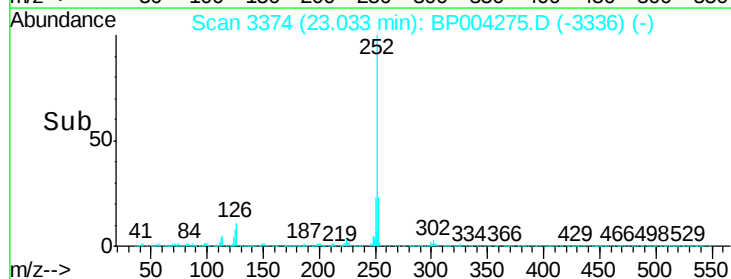
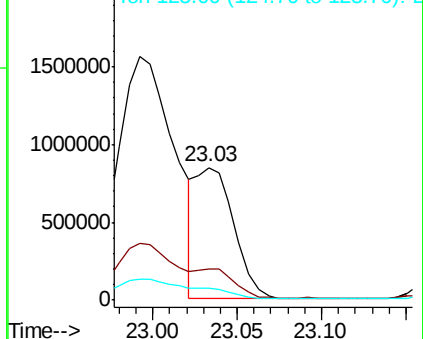
252 100

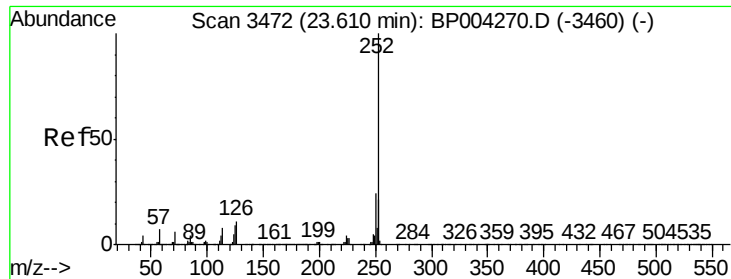
253 24.0 17.4 26.2

125 9.3 7.3 10.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





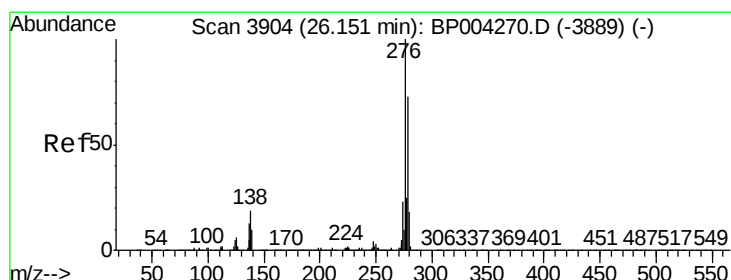
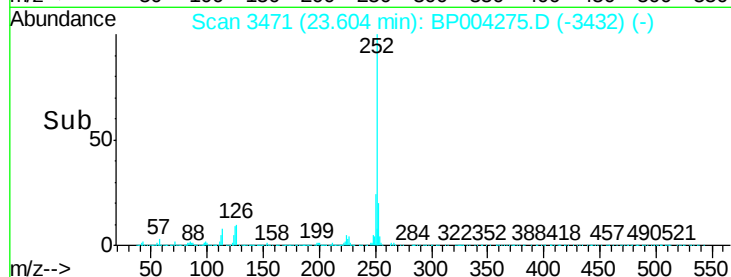
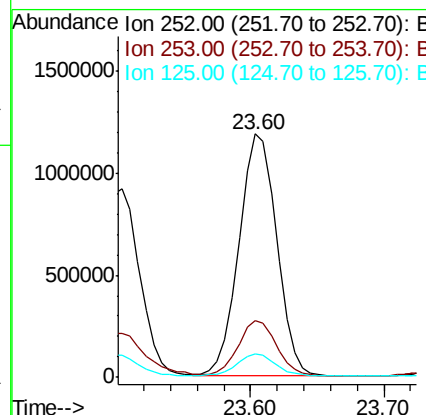
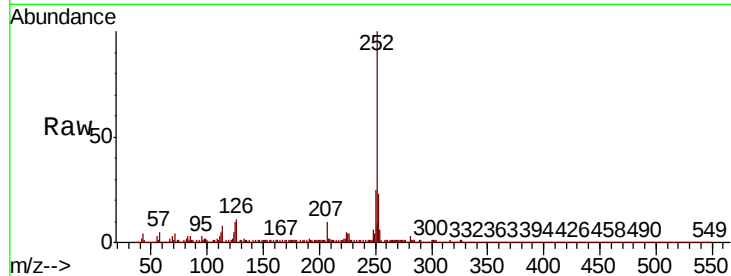
#91
Benzo(a)pyrene
Concen: 17.274 ng/ul
RT: 23.60 min Scan# 3471
Delta R.T. 0.03 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Instrument :
BNA_P
ClientSampleId :
A54A1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	9.5	7.8	11.6

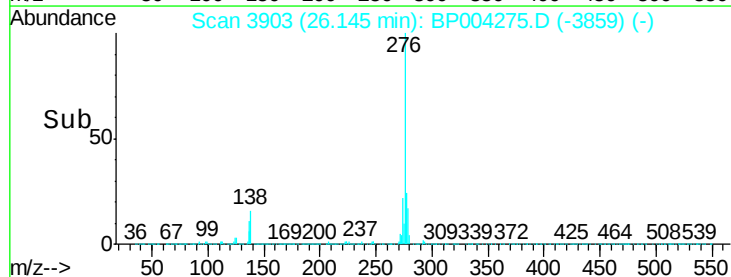
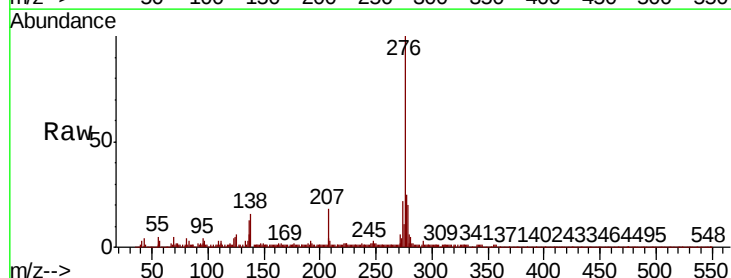
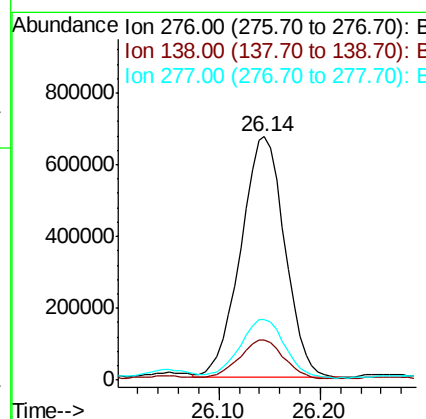
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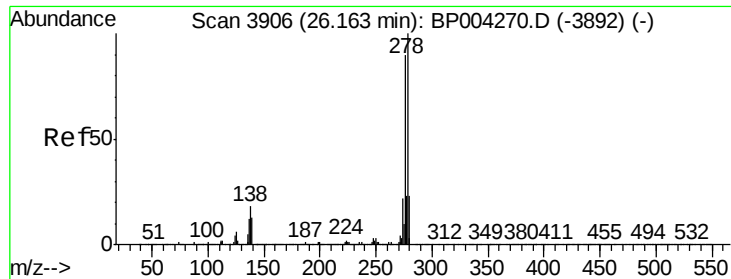
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#92
Indeno(1,2,3-cd)pyrene
Concen: 11.954 ng/ul
RT: 26.14 min Scan# 3903
Delta R.T. 0.06 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	17.8	26.6#
277	24.9	19.8	29.6





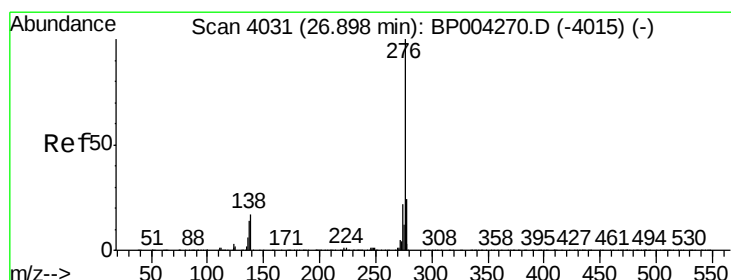
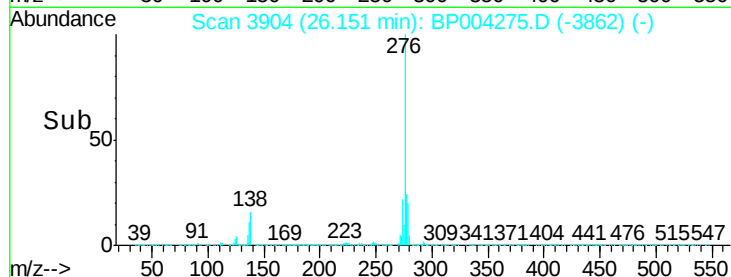
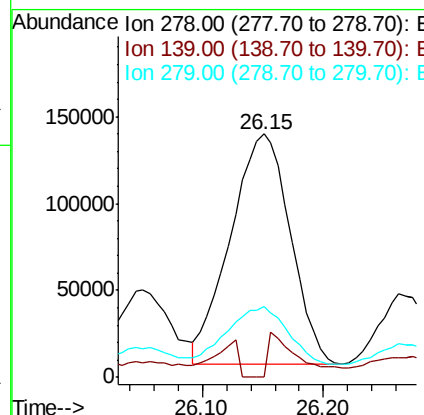
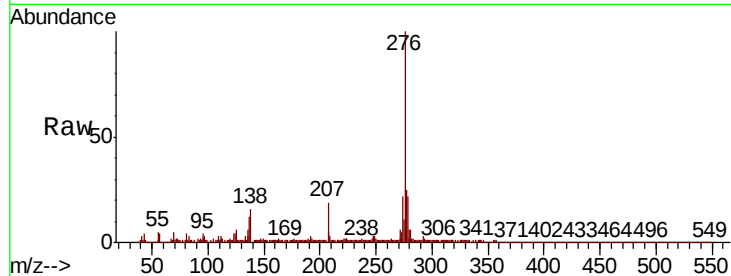
#93
Dibenzo(a,h)anthracene
Concen: 3.228 ng/ul
RT: 26.15 min Scan# 3904
Delta R.T. 0.05 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Instrument :
BNA_P
ClientSampleId :
A54A1MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.9	17.9#
279	28.9	18.6	28.0#

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#94
Benzo(g,h,i)perylene
Concen: 12.001 ng/ul
RT: 26.89 min Scan# 4030
Delta R.T. 0.06 min
Lab File: BP004275.D
Acq: 14 Dec 2020 15:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	16.6	25.0
277	24.1	18.5	27.7

