

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
 Data File : BP004281.D
 Acq On : 14 Dec 2020 19:10
 Operator : CG/JU
 Sample : L5001-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A54C4

Manual Integrations
 APPROVED

mohammad
 12/17/2020 9:51:52 AM

Quant Time: Dec 15 00:47:24 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	438463	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1862473	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	1165761	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.25	188	2517193	20.00	ng/ul	0.02
78) Chrysene-d12	21.35	240	2386753	20.00	ng/ul	0.02
86) Perylene-d12	23.71	264	2704837	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	22166	1.78	ng/uL	0.00
5) Phenol-d5	7.00	99	433239	11.94	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	255357	11.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	371796	13.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	328079	11.97	ng/ul	0.01
19) Nitrobenzene-d5	8.99	128	193908	12.71	ng/ul	0.01
22) 2-Nitrophenol-d4	9.72	143	208146	16.54	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.26	165	383735	13.87	ng/ul	0.02
29) 4-Chloroaniline-d4	10.77	131	465959	13.59	ng/ul	0.01
44) Dimethylphthalate-d6	13.89	166	1183046	13.28	ng/ul	0.01
47) Acenaphthylene-d8	14.18	160	1546789	13.60	ng/ul	0.02
52) 4-Nitrophenol-d4	14.69	143	151608	10.07	ng/ul	0.03
58) Fluorene-d10	15.49	176	1045953	12.96	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.61	200	46574	3.86	ng/ul	0.03
71) Anthracene-d10	17.35	188	1650989	13.46	ng/ul	0.02
79) Pyrene-d10	19.59	212	1898657	15.27	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.56	264	2061551	14.47	ng/ul	0.04

Target Compounds

					Ovalue
6) Phenol	7.03	94	87124	2.301 ng/ul	97
45) Dimethylphthalate	13.94	163	181983	2.005 ng/ul	100
50) Acenaphthene	14.55	153	176559	2.210 ng/ul	98
54) Dibenzofuran	14.89	168	174506	1.550 ng/ul	98
59) Fluorene	15.54	166	206192	2.290 ng/ul	99
70) Phenanthrene	17.29	178	3772840	25.406 ng/ul	99
72) Anthracene	17.38	178	812688	5.531 ng/ul	99
75) Carbazole	17.65	167	416173	3.481 ng/ul	100
77) Fluoranthene	19.27	202	5432769	34.261 ng/ul	96
80) Pyrene	19.62	202	4840159	30.063 ng/ul	96
83) Benzo(a)anthracene	21.33	228	2440027	15.509 ng/ul	97
85) Chrysene	21.38	228	2235217	14.483 ng/ul	98
88) Benzo(b)fluoranthene	23.00	252	2878584	16.782 ng/ul	98
89) Benzo(k)fluoranthene	23.04	252	871289m	4.946 ng/ul	
91) Benzo(a)pyrene	23.61	252	2148035	13.420 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	26.15	276	1444041	7.194 ng/ul#	95
93) Dibenzo(a,h)anthracene	26.15	278	364752	2.168 ng/ul#	92
94) Benzo(g,h,i)perylene	26.89	276	1100473	6.535 ng/ul	95

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

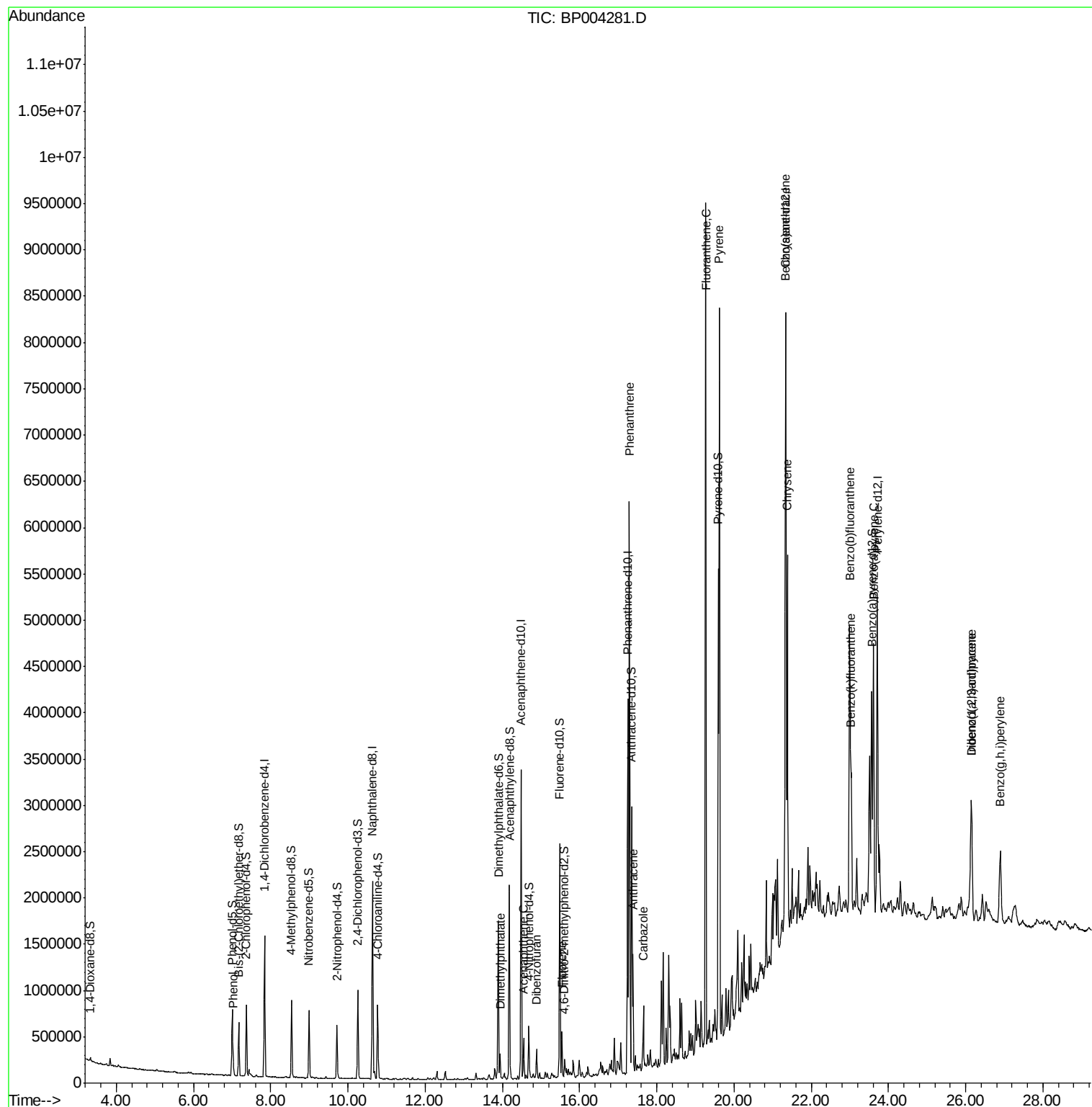
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004281.D
Acq On : 14 Dec 2020 19:10
Operator : CG/JU
Sample : L5001-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

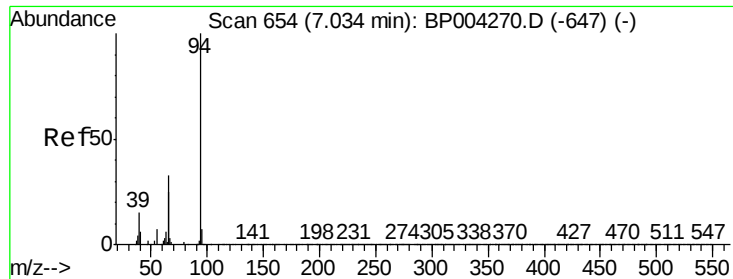
Instrument :
BNA_P
ClientSampled :
A54C4

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Quant Time: Dec 15 00:47:24 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





#6

Phenol

Concen: 2.301 ng/ul

RT: 7.03 min Scan# 653

Delta R.T. 0.01 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

BNA_P

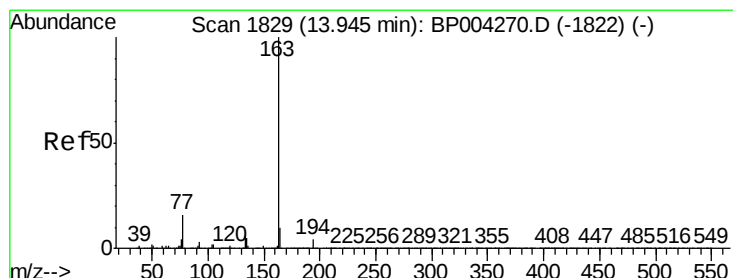
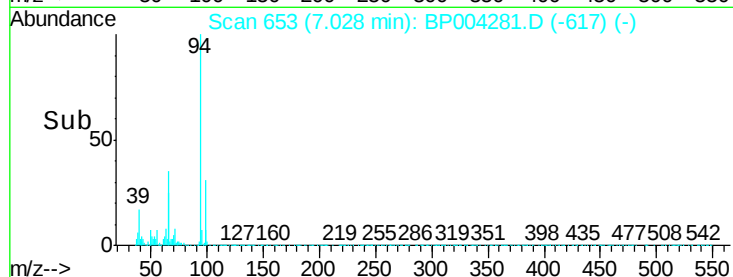
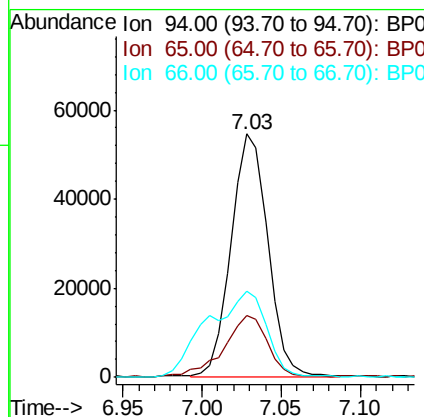
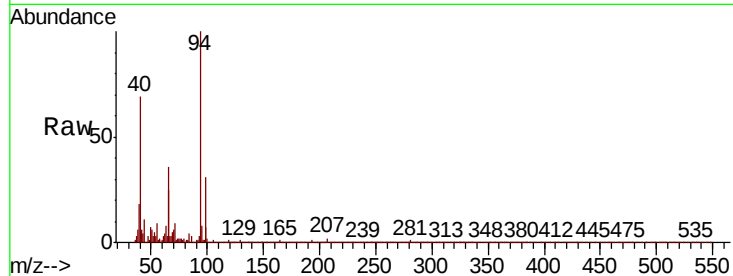
ClientSampleId :

A54C4

Tot Ion:	94	Resp:	87124
Ion Ratio	Lower	Upper	
94	100		
65	25.2	20.8	31.2
66	35.6	26.5	39.7

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#45

Dimethylphthalate

Concen: 2.005 ng/ul

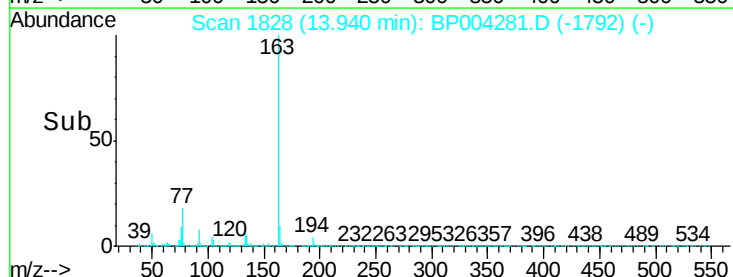
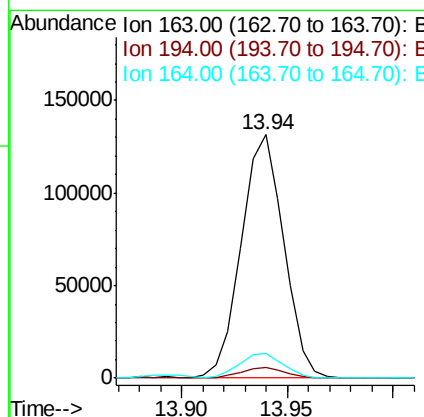
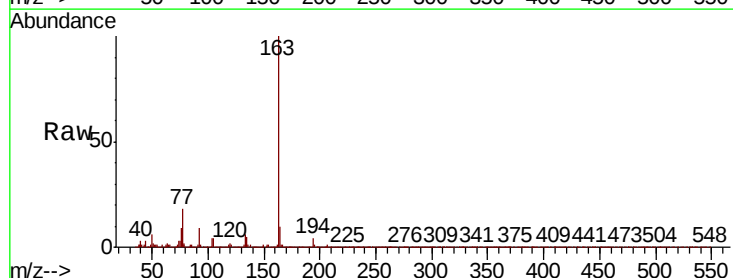
RT: 13.94 min Scan# 1828

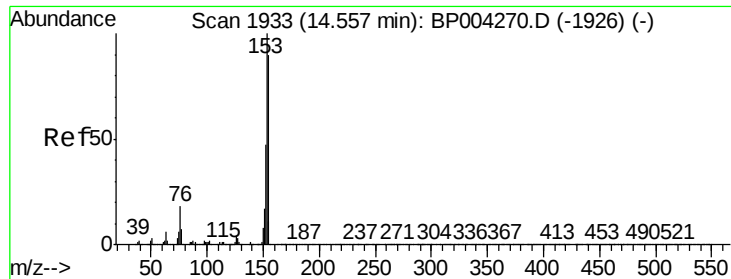
Delta R.T. 0.01 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Tgt Ion:	163	Resp:	181983
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.2
164	10.4	8.4	12.6





#50

Acenaphthene

Concen: 2.210 ng/ul

RT: 14.55 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

BNA_P

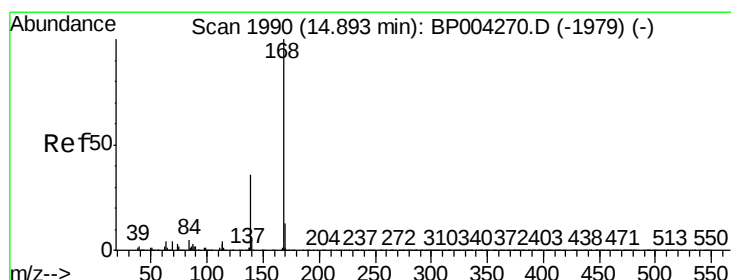
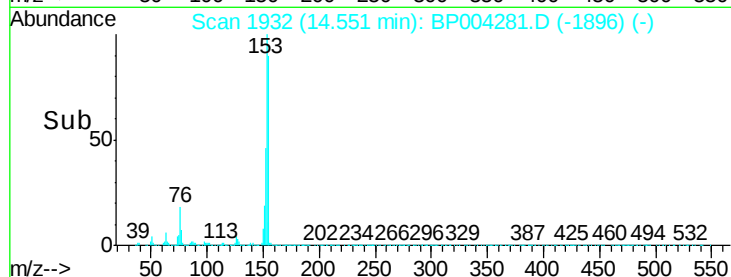
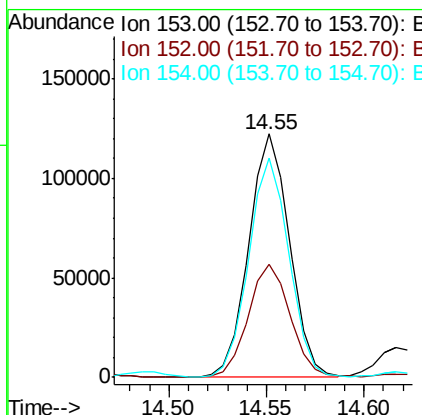
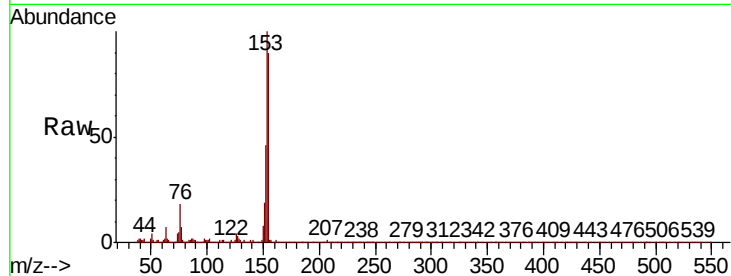
ClientSampleId :

A54C4

Tot Ion:	153	Resp:	176559
Ion Ratio	Lower	Upper	
153	100		
152	46.4	37.8	56.6
154	89.9	69.8	104.8

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#54

Dibenzofuran

Concen: 1.550 ng/ul

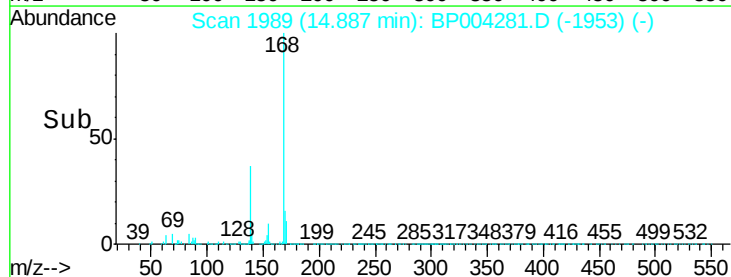
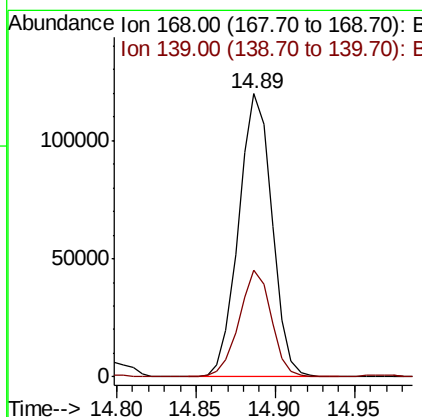
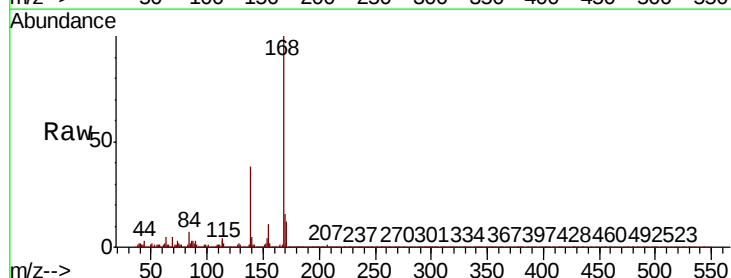
RT: 14.89 min Scan# 1989

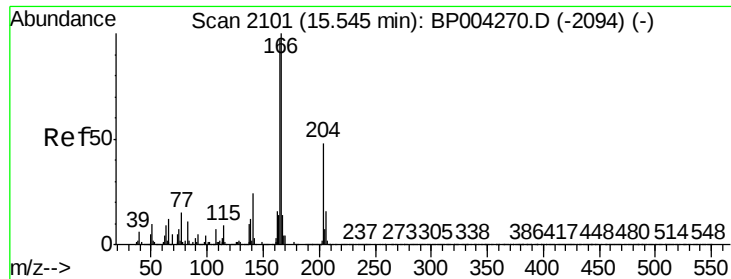
Delta R.T. 0.01 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Tgt Ion:	168	Resp:	174506
Ion Ratio	Lower	Upper	
168	100		
139	37.5	29.0	43.6





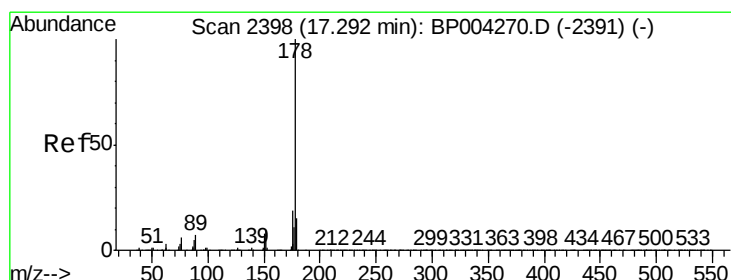
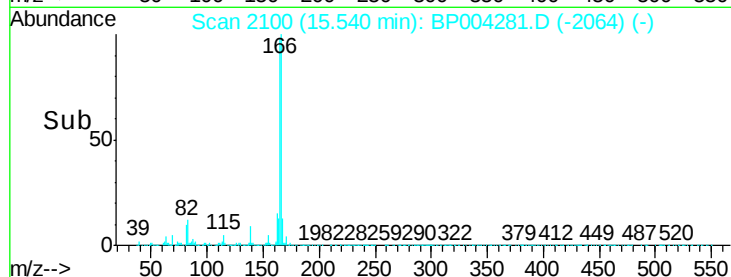
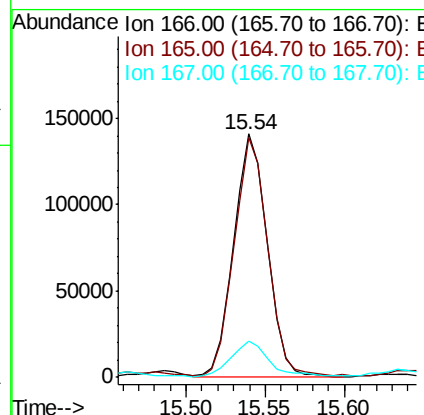
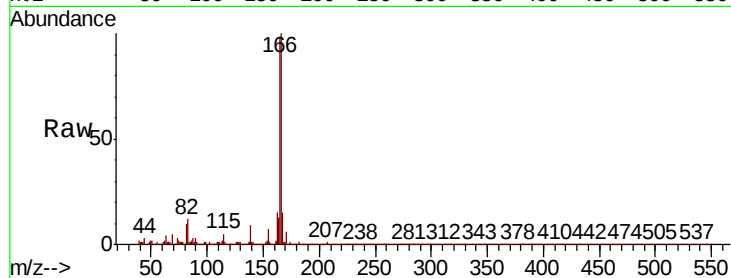
#59
Fluorene
Concen: 2.290 ng/ul
RT: 15.54 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Instrument :
BNA_P
ClientSampleId :
A54C4

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.2
167	14.7	10.8	16.2

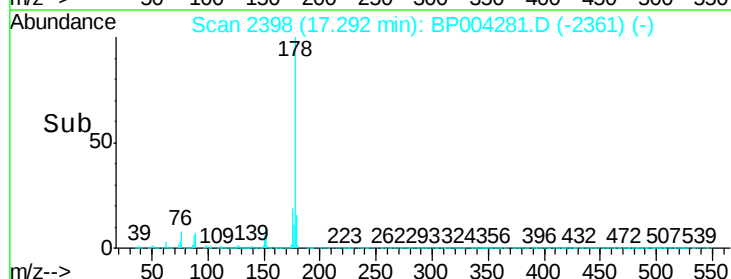
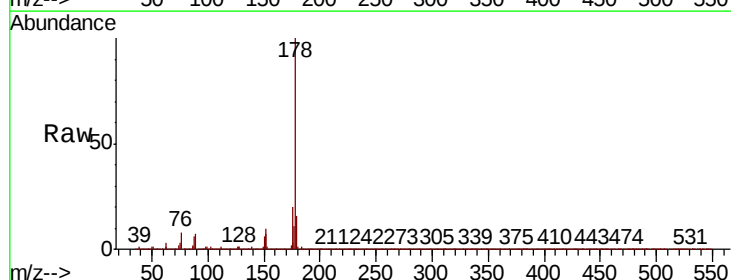
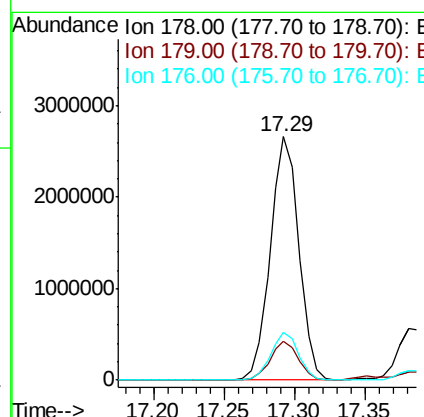
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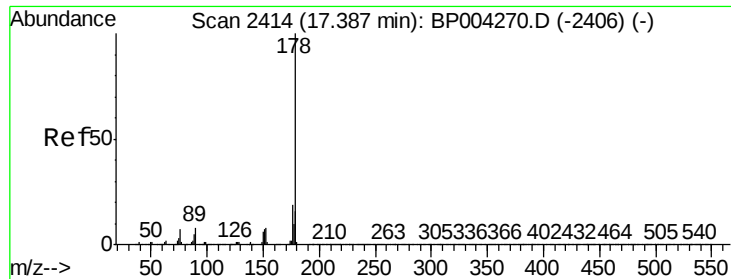
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#70
Phenanthrene
Concen: 25.406 ng/ul
RT: 17.29 min Scan# 2398
Delta R.T. 0.02 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	19.5	15.4	23.0





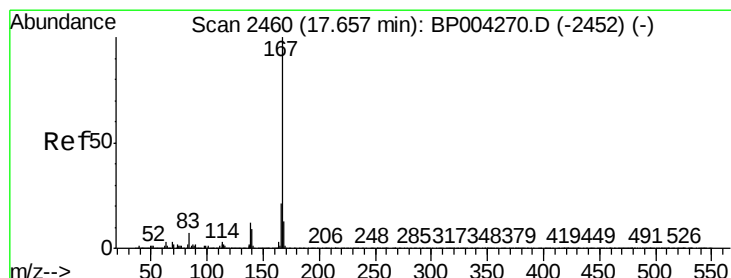
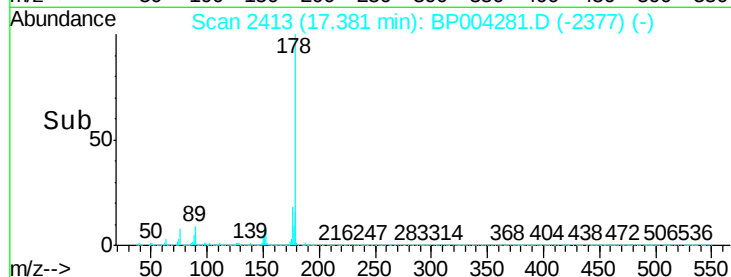
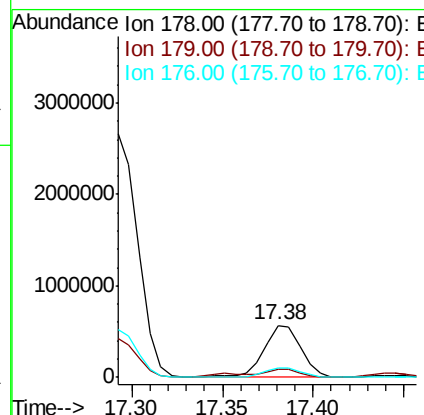
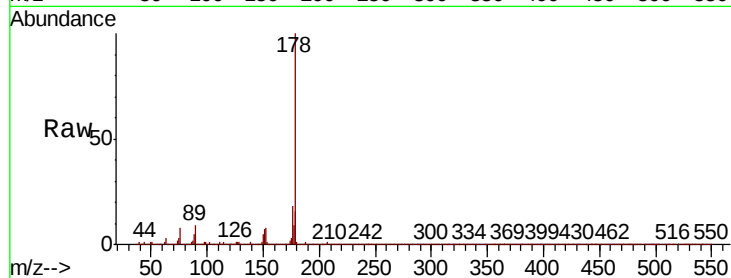
#72
 Anthracene
 Concen: 5.531 ng/ul
 RT: 17.38 min Scan# 2413
 Delta R.T. 0.01 min
 Lab File: BP004281.D
 Acq: 14 Dec 2020 19:10

Instrument :
 BNA_P
 ClientSampleId :
 A54C4

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	17.7	14.9	22.3

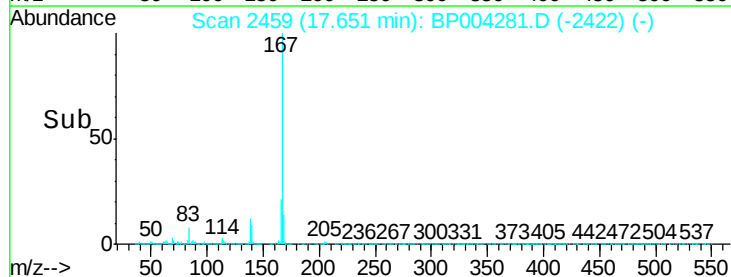
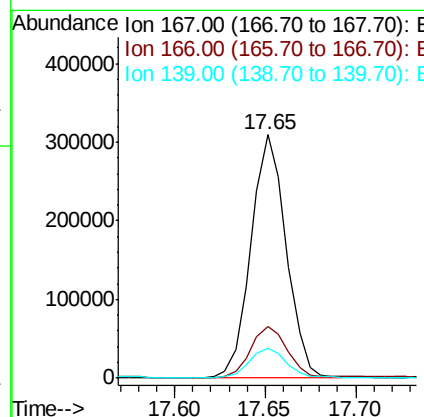
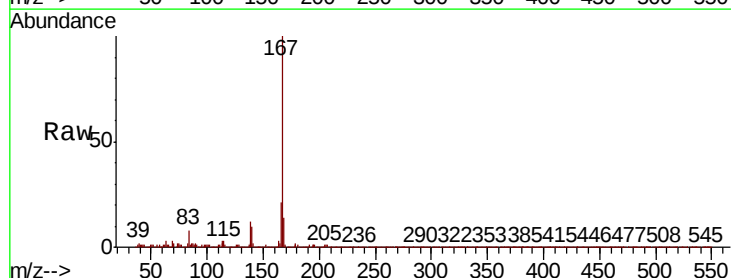
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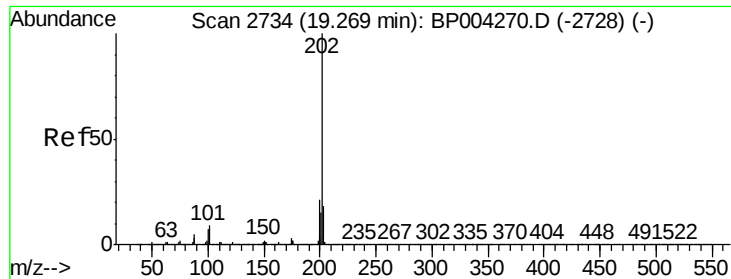
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#75
 Carbazole
 Concen: 3.481 ng/ul
 RT: 17.65 min Scan# 2459
 Delta R.T. 0.02 min
 Lab File: BP004281.D
 Acq: 14 Dec 2020 19:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	12.1	9.8	14.6





#77

Fluoranthene

Concen: 34.261 ng/ul

RT: 19.27 min Scan# 2734

Delta R.T. 0.02 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Instrument :

BNA_P

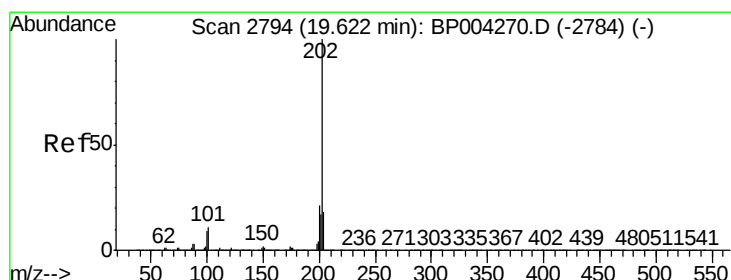
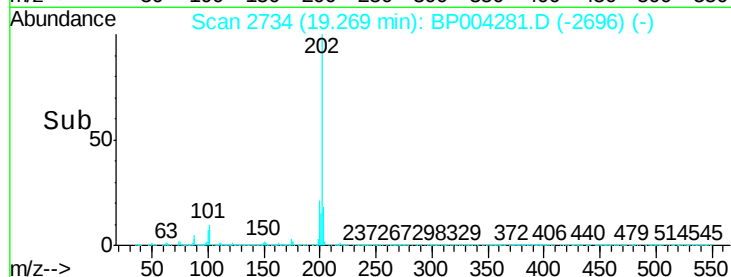
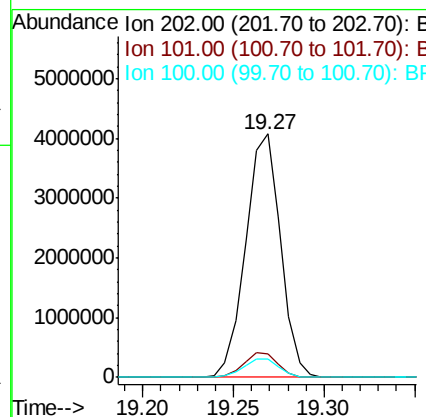
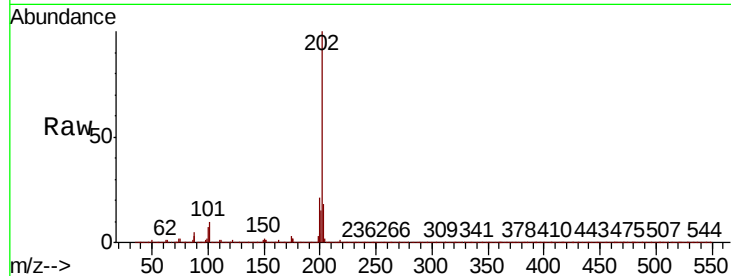
ClientSampled :

A54C4

Tot Ion:	202	Resp:	5432769
Ion	Ratio	Lower	Upper
202	100		
101	9.9	9.1	13.7
100	7.4	7.1	10.7

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#80

Pyrene

Concen: 30.063 ng/ul

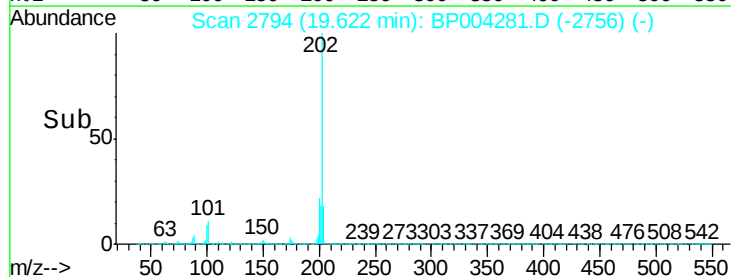
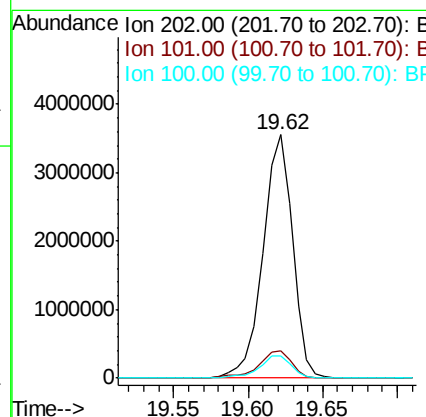
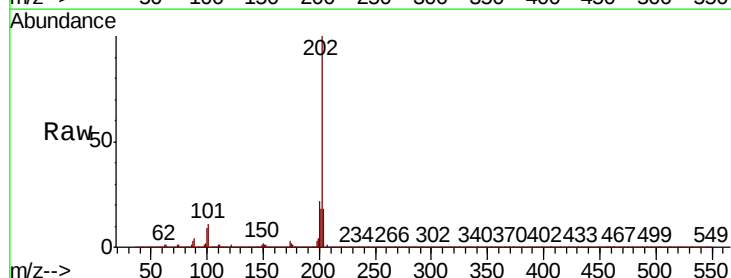
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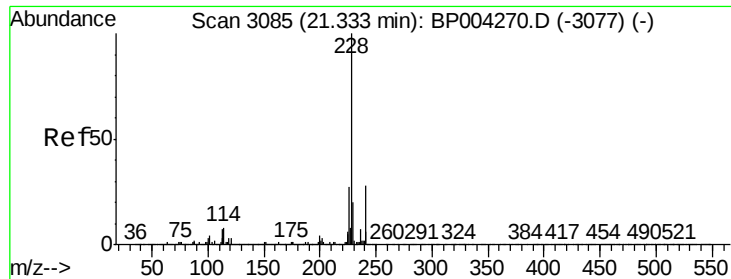
Delta R.T. 0.02 min

Lab File: BP004281.D

Acq: 14 Dec 2020 19:10

Tgt Ion:	202	Resp:	4840159
Ion	Ratio	Lower	Upper
202	100		
101	11.4	10.6	15.8
100	9.4	8.6	12.8





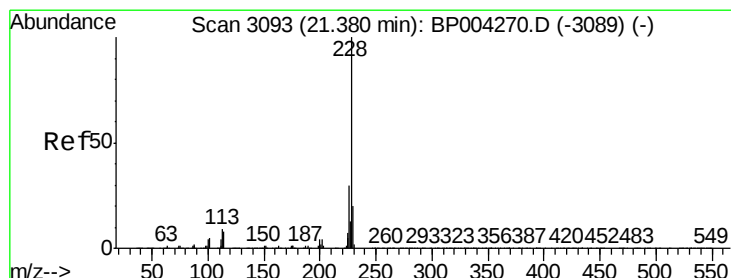
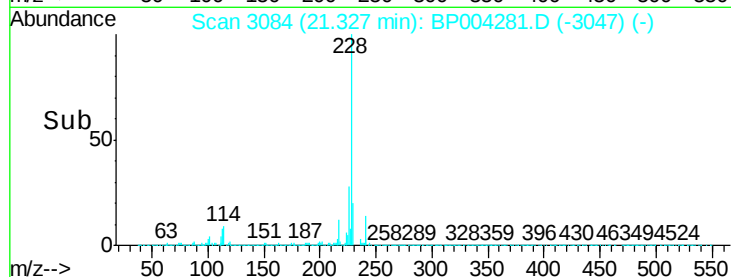
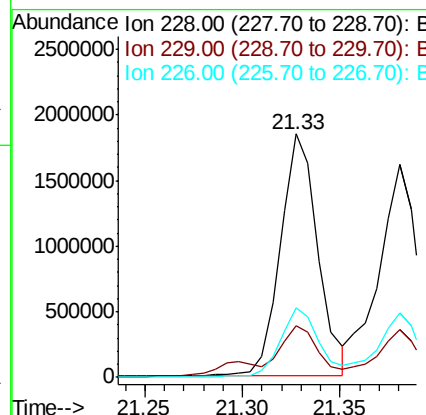
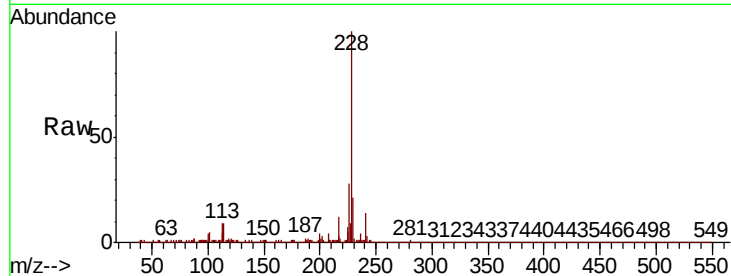
#83
Benzo(a)anthracene
Concen: 15.509 ng/ul
RT: 21.33 min Scan# 3084
Delta R.T. 0.02 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Instrument :
BNA_P
ClientSampled :
A54C4

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.8	23.8
226	28.4	21.7	32.5

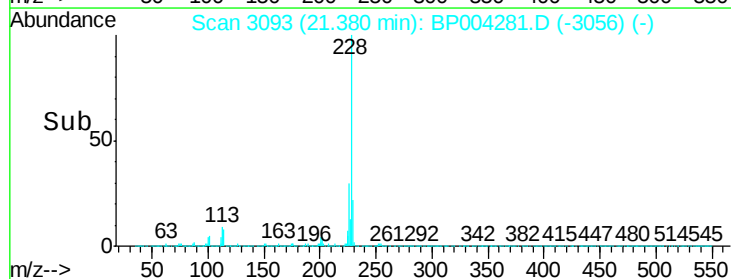
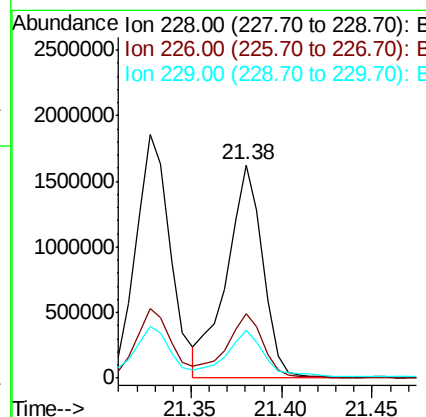
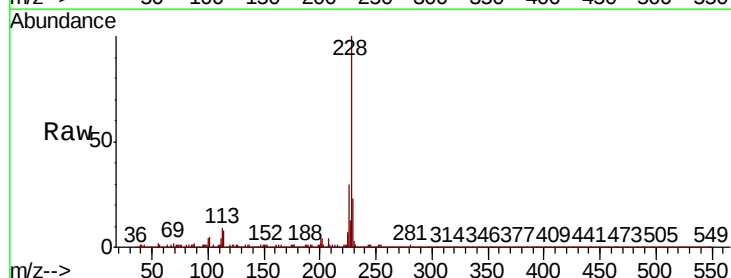
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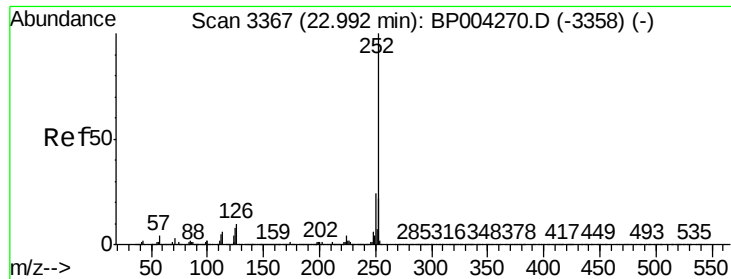
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#85
Chrysene
Concen: 14.483 ng/ul
RT: 21.38 min Scan# 3093
Delta R.T. 0.02 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	22.6	15.8	23.8





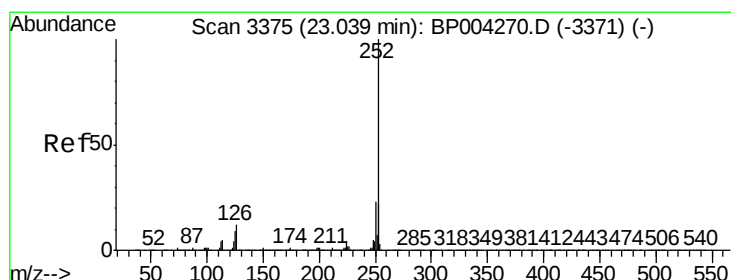
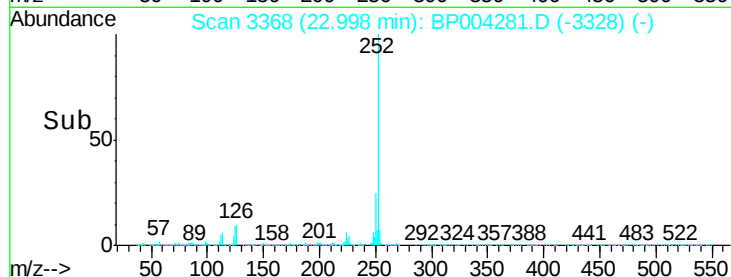
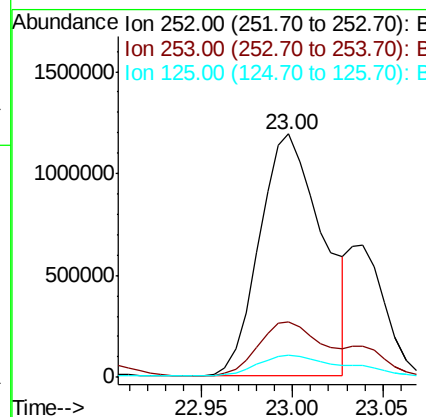
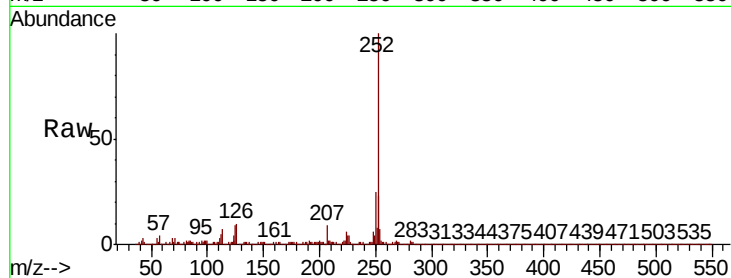
#88
Benzo(b)fluoranthene
Concen: 16.782 ng/ul
RT: 23.00 min Scan# 3368
Delta R.T. 0.04 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Instrument :
BNA_P
ClientSampleId :
A54C4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	9.3	7.7	11.5

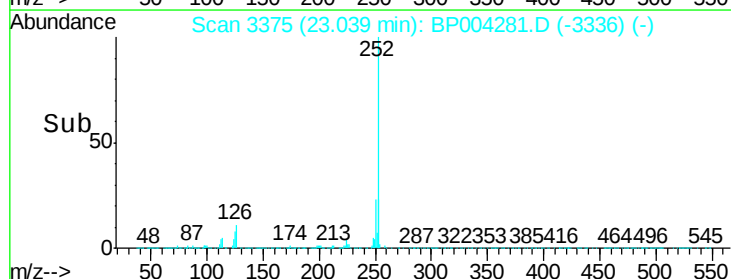
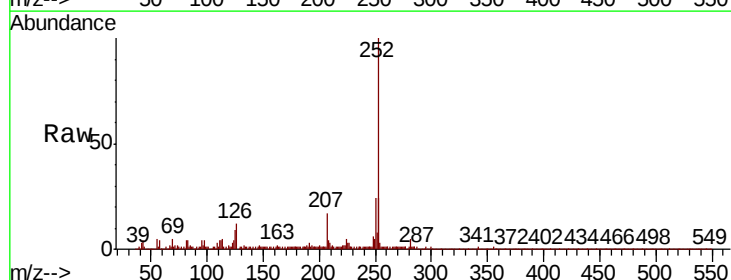
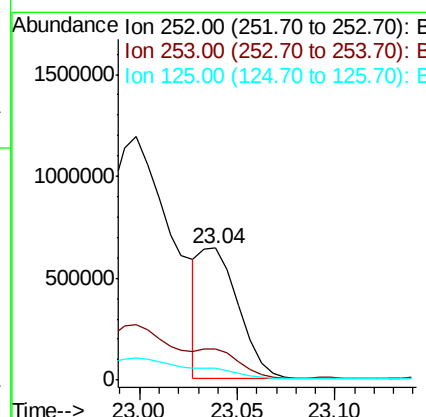
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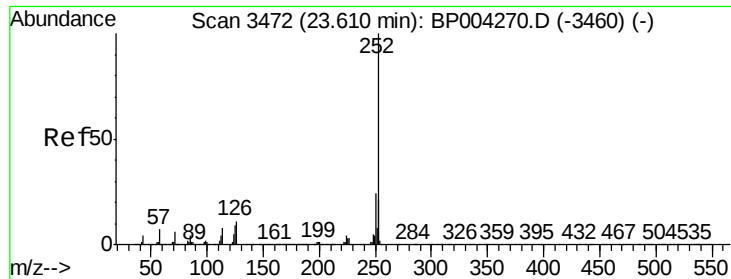
mohammad
12/17/2020 9:51:52 AM



#89
Benzo(k)fluoranthene
Concen: 4.946 ng/ul m
RT: 23.04 min Scan# 3375
Delta R.T. 0.03 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	9.2	7.3	10.9





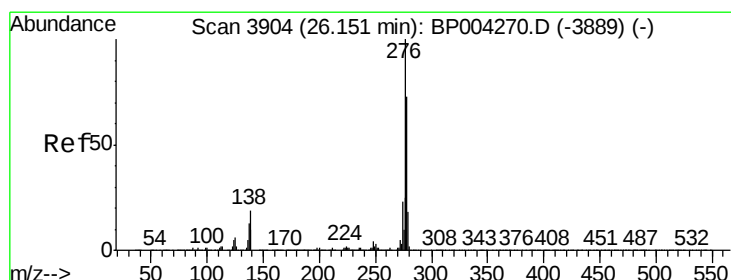
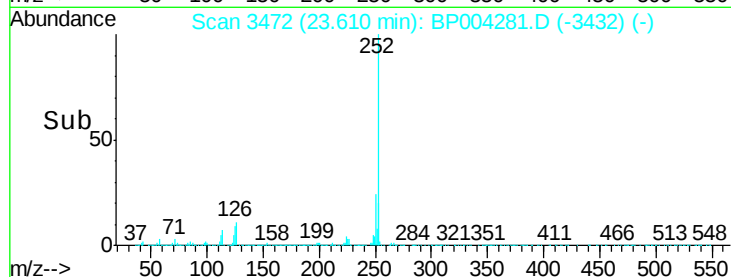
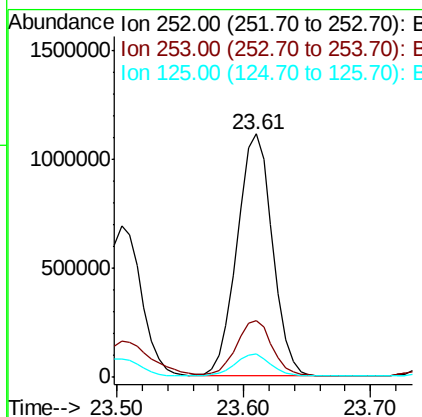
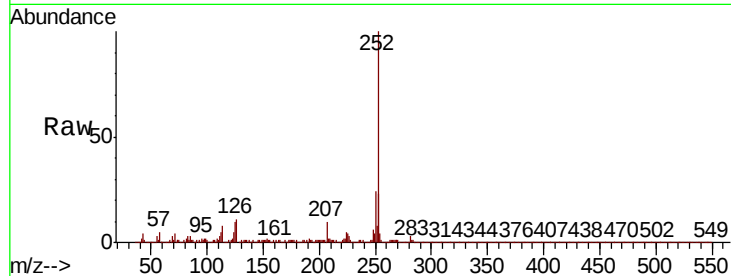
#91
Benzo(a)pyrene
Concen: 13.420 ng/ul
RT: 23.61 min Scan# 3472
Delta R.T. 0.04 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Instrument :
BNA_P
ClientSampleId :
A54C4

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

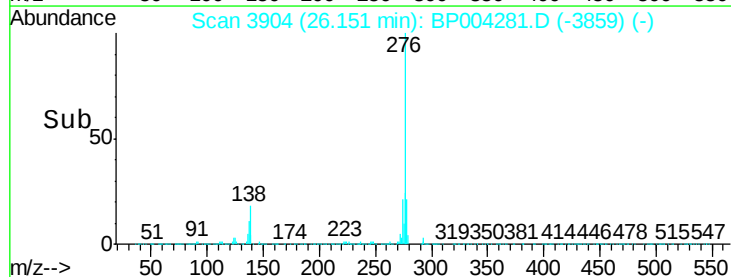
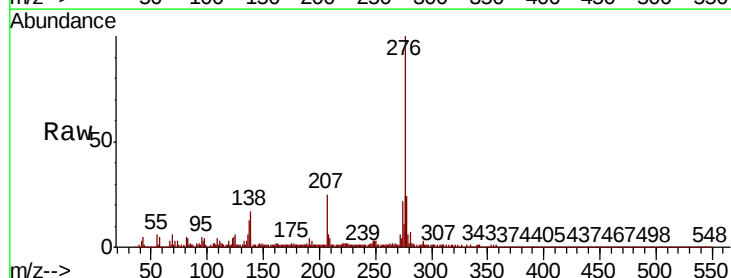
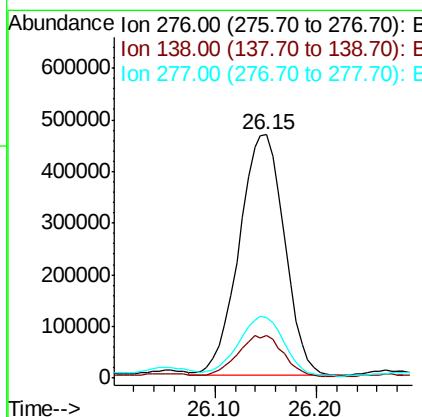
Manual Integrations
APPROVED

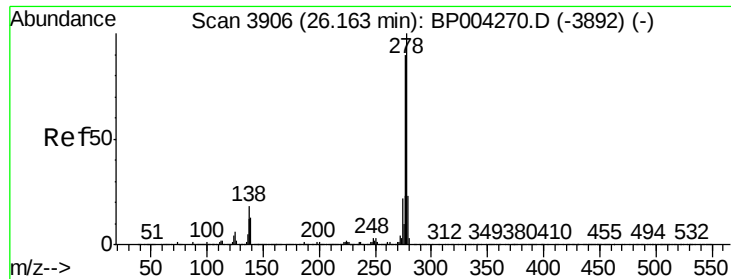
mohammad
12/17/2020 9:51:52 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 7.194 ng/ul
RT: 26.15 min Scan# 3904
Delta R.T. 0.06 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	17.8	26.6#
277	25.0	19.8	29.6





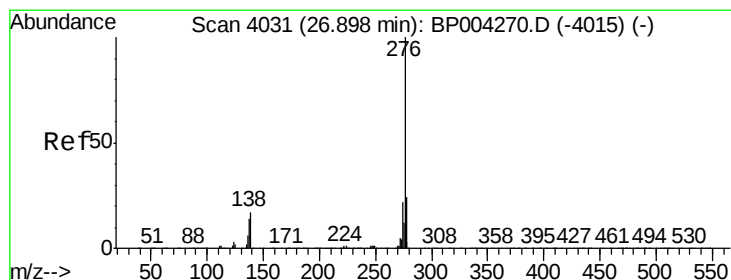
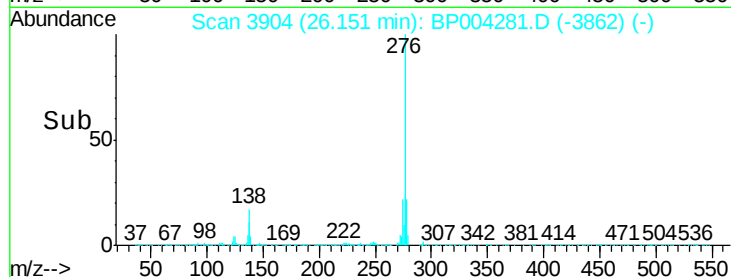
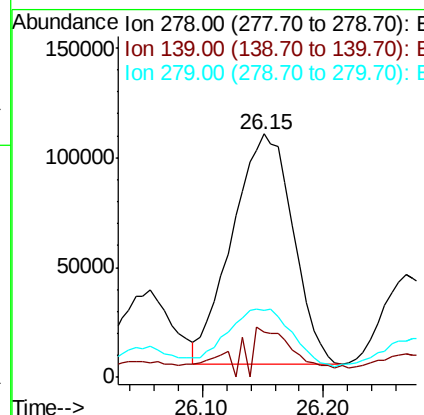
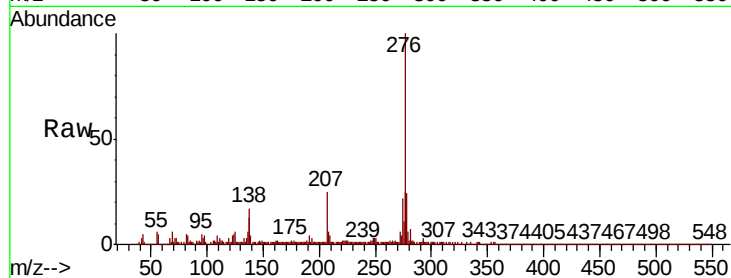
#93
Dibenzo(a,h)anthracene
Concen: 2.168 ng/ul
RT: 26.15 min Scan# 3904
Delta R.T. 0.05 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Instrument :
BNA_P
ClientSampled :
A54C4

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.5	11.9	17.9#
279	27.3	18.6	28.0

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 6.535 ng/ul
RT: 26.89 min Scan# 4030
Delta R.T. 0.06 min
Lab File: BP004281.D
Acq: 14 Dec 2020 19:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	16.6	25.0
277	24.8	18.5	27.7

