

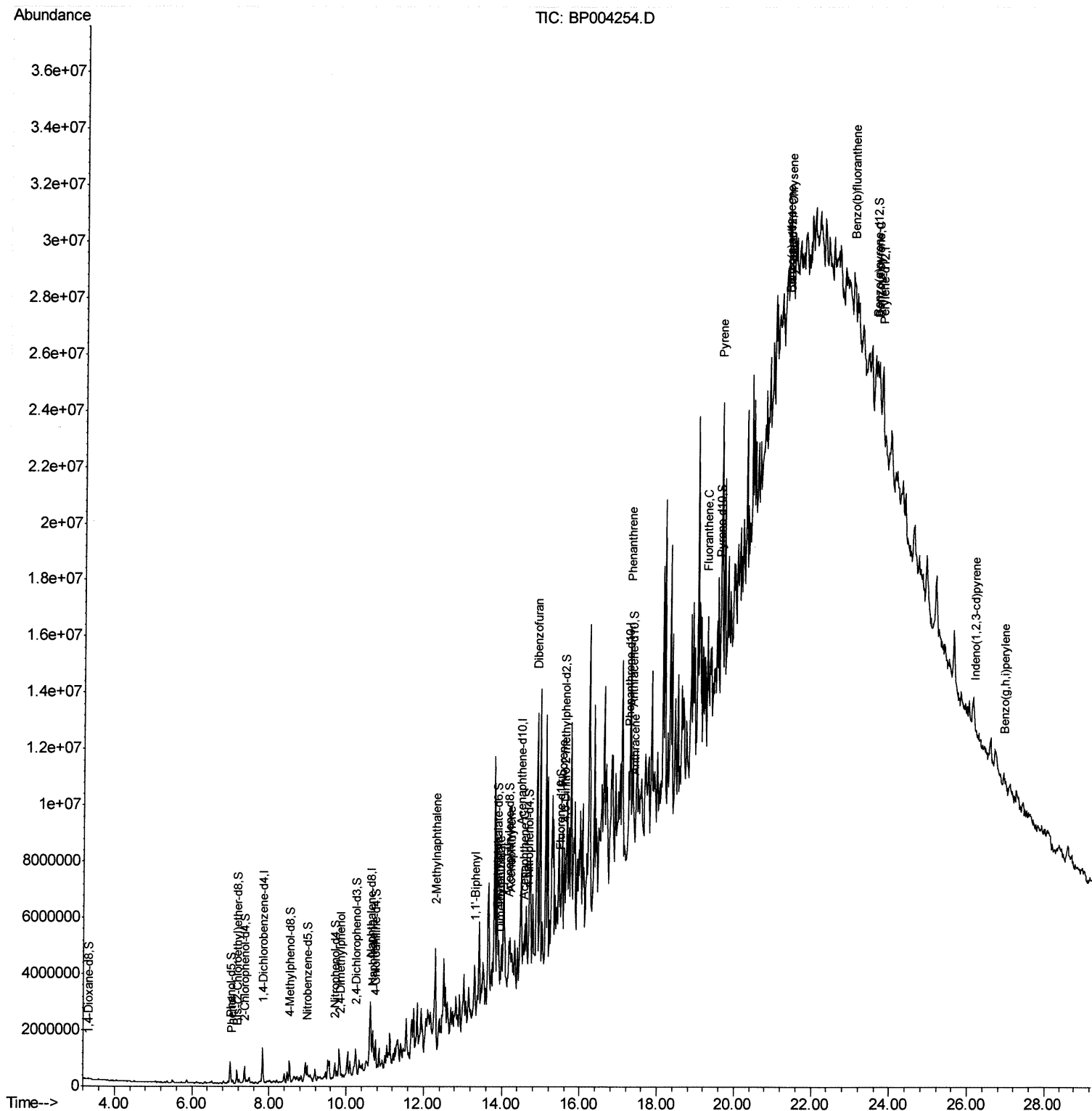
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
Data File : BP004254.D
Acq On : 12 Dec 2020 12:19
Operator : CG/JU
Sample : L5063-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AE0

Quant Time: Dec 14 14:28:02 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

Manual Integrations
APPROVED

mohammad
12/14/2020 2:45:40 PM



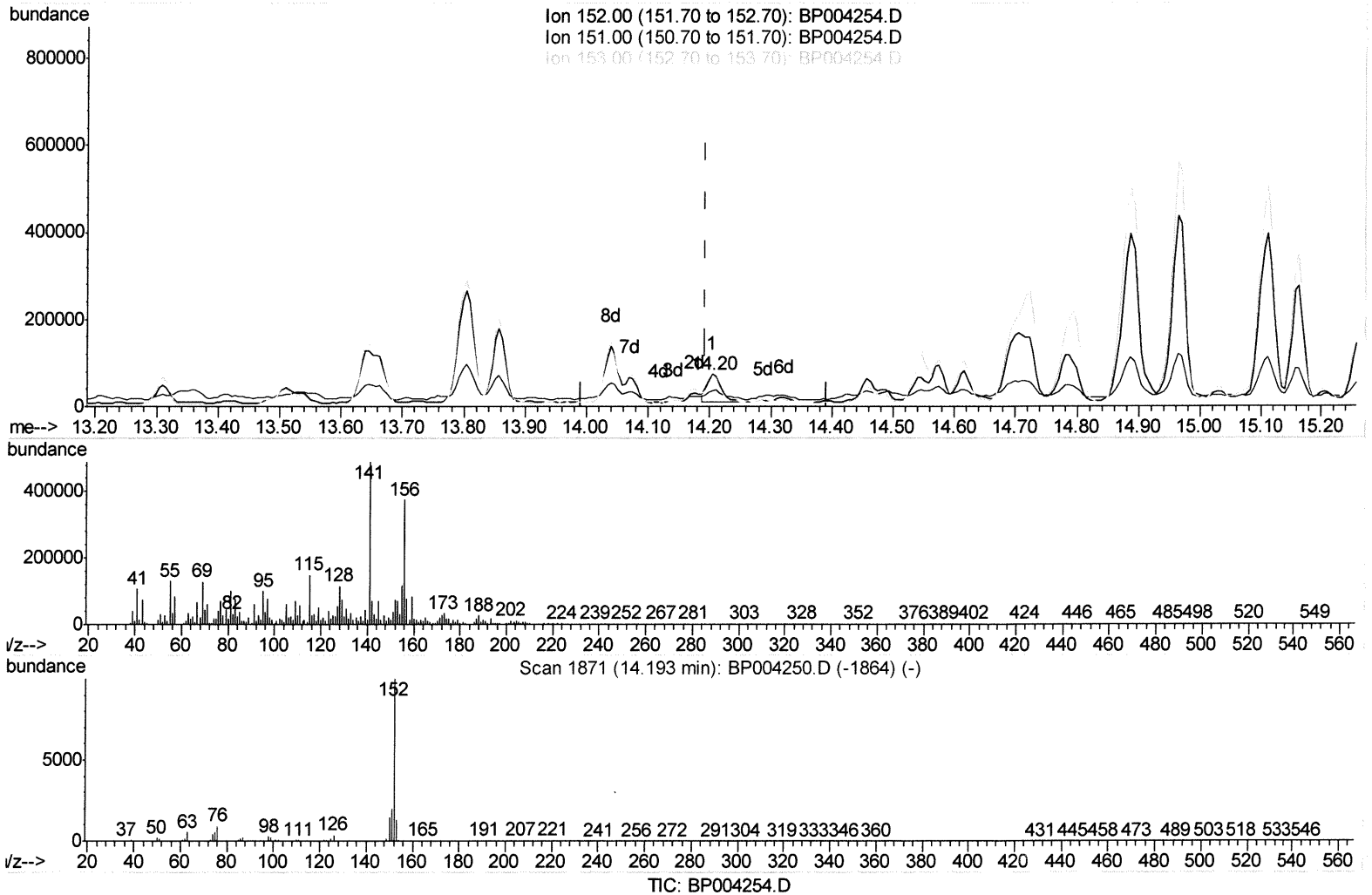
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:10:22 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



(48) Acenaphthylene

14.204min (+0.012) 1.37ng/ul

response 104164

Ion	Exp%	Act%
152.00	100	100
151.00	19.80	50.15#
153.00	13.30	96.41#
0.00	0.00	0.00

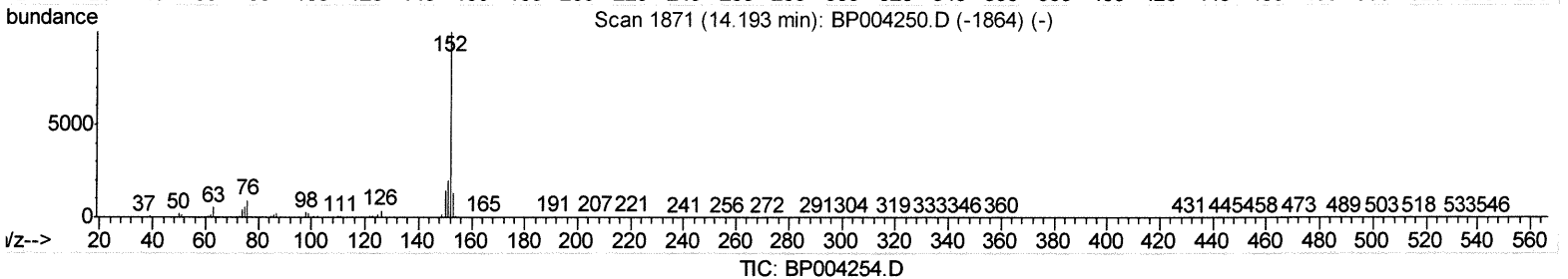
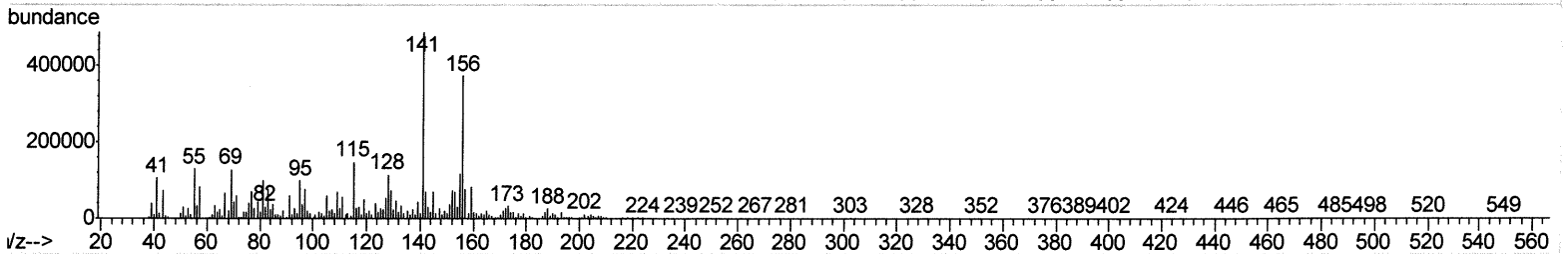
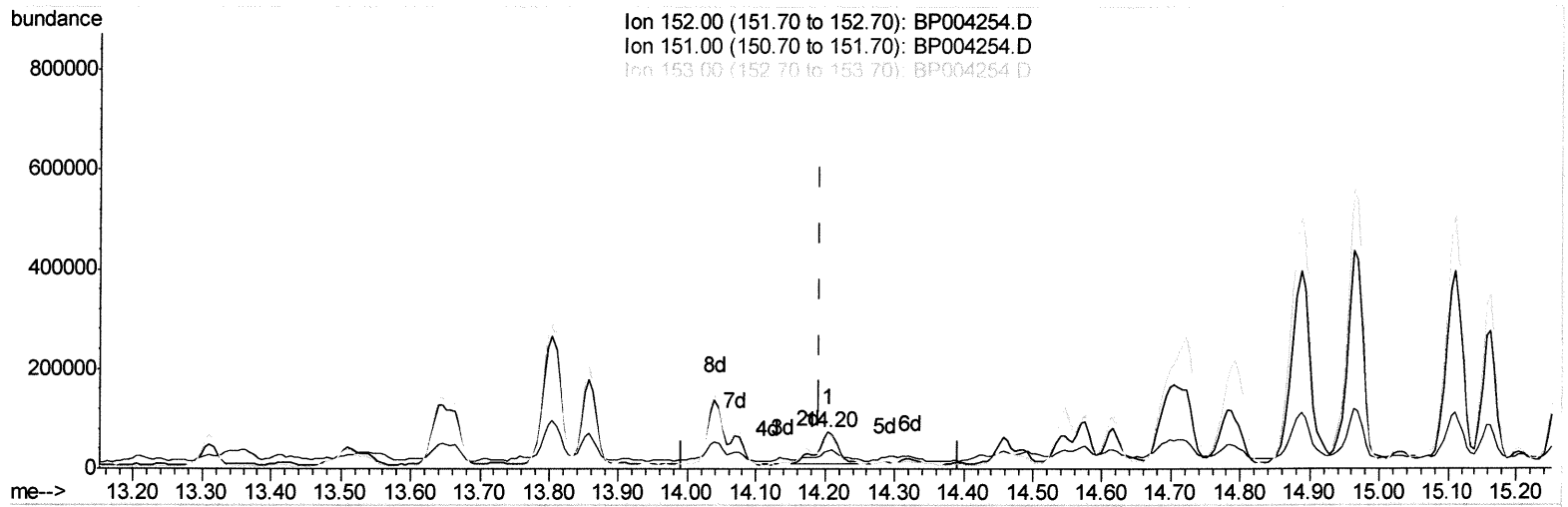
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:10:22 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



(48) Acenaphthylene

14.204min (+0.012) 1.79ng/ul m

response 135908

Ion	Exp%	Act%
152.00	100	100
151.00	19.80	50.15#
153.00	13.30	96.41#
0.00	0.00	0.00

3912/28/20

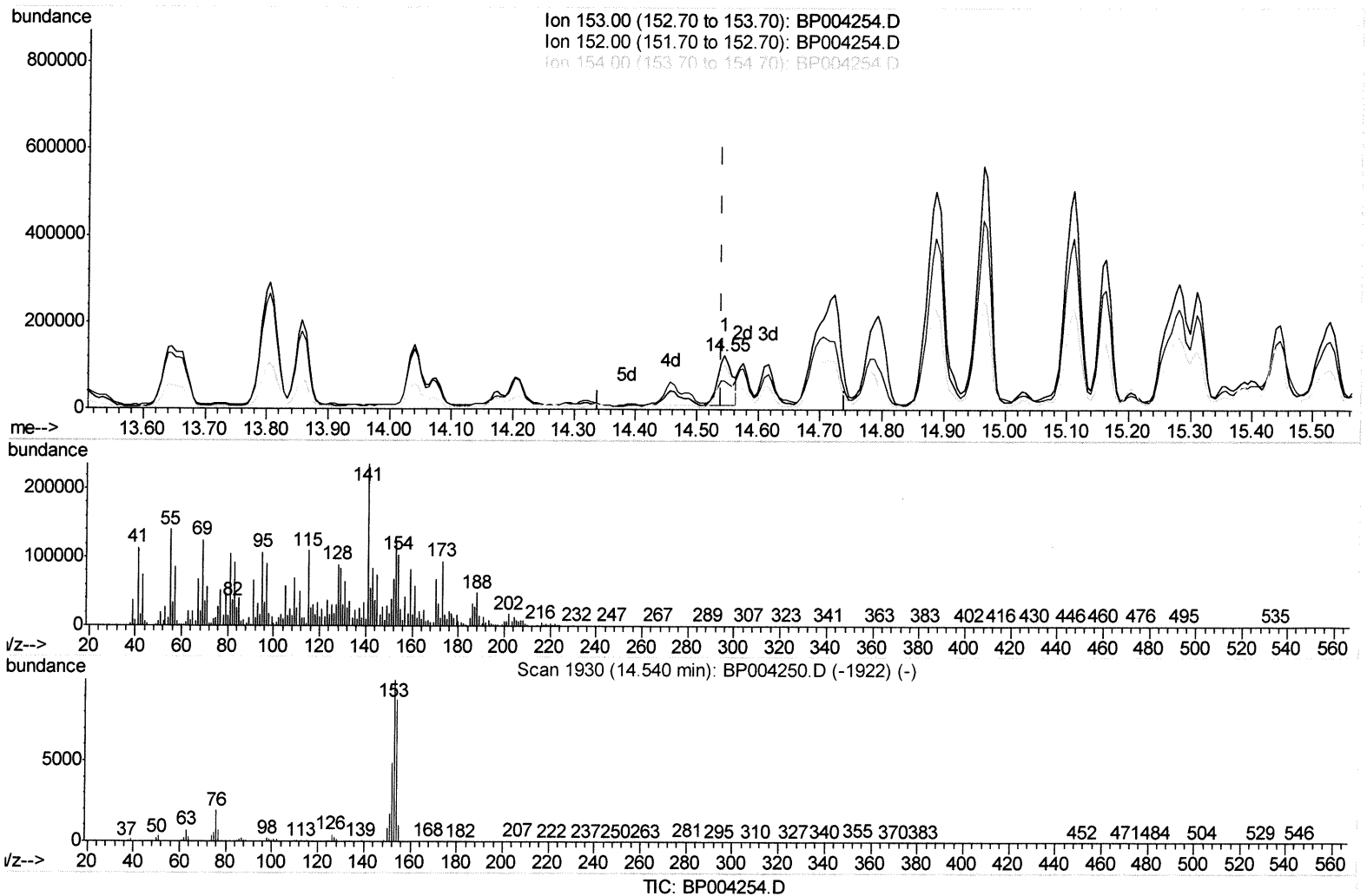
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:13:47 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



(50) Acenaphthene (C)

14.546min (+0.006) 3.54ng/ul

response 190215

Ion	Exp%	Act%
153.00	100	100
152.00	47.20	54.10
154.00	87.30	83.56
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
C0AE0

mohammad
12/14/2020 2:45:40 PM

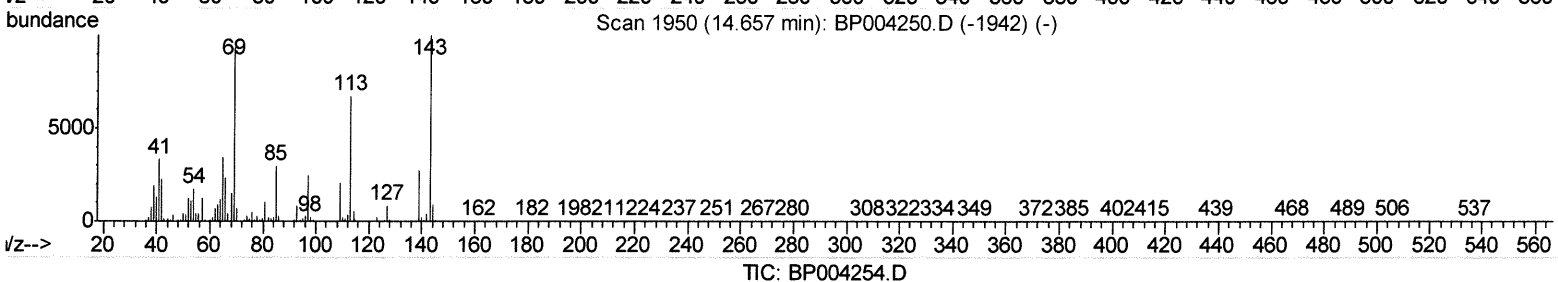
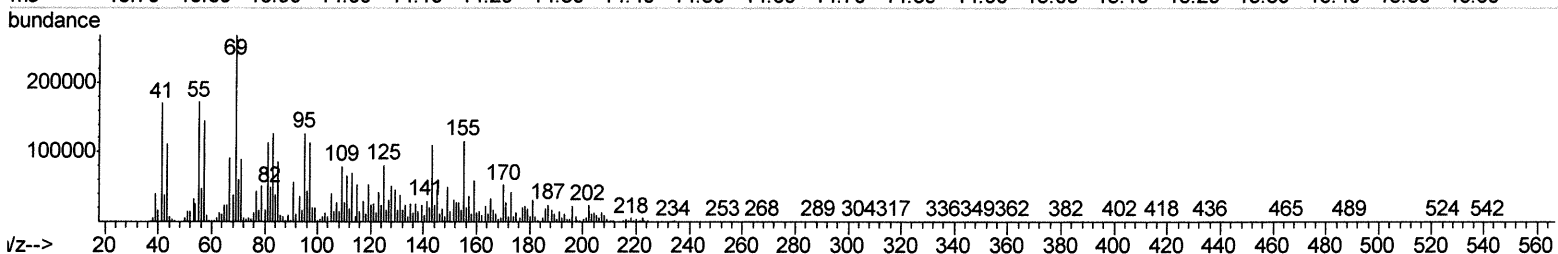
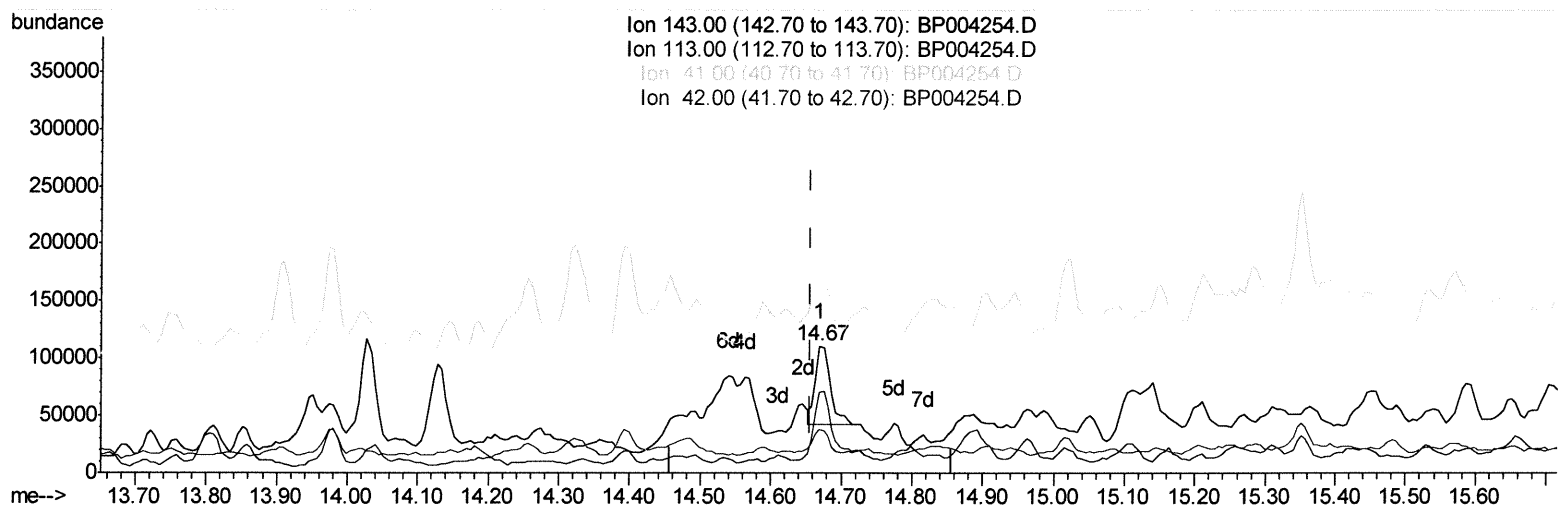
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:15:11 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



(52) 4-Nitrophenol-d4 (S)

14.669min (+0.012) 10.37ng/ul

response 105043

Ion	Exp%	Act%
143.00	100	100
113.00	68.90	63.43
41.00	35.40	153.71#
42.00	24.70	34.14#

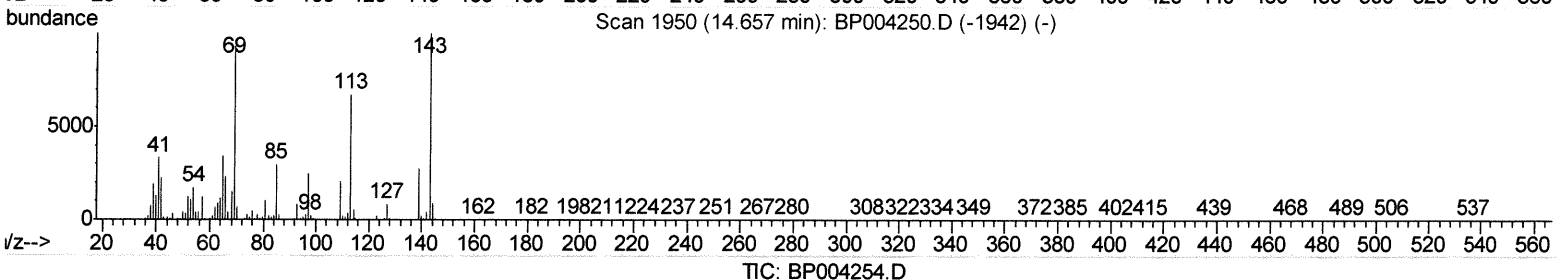
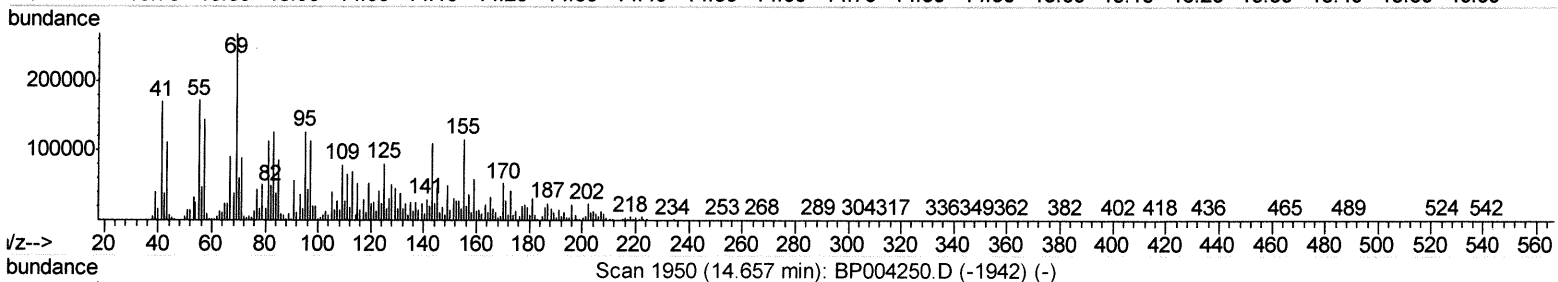
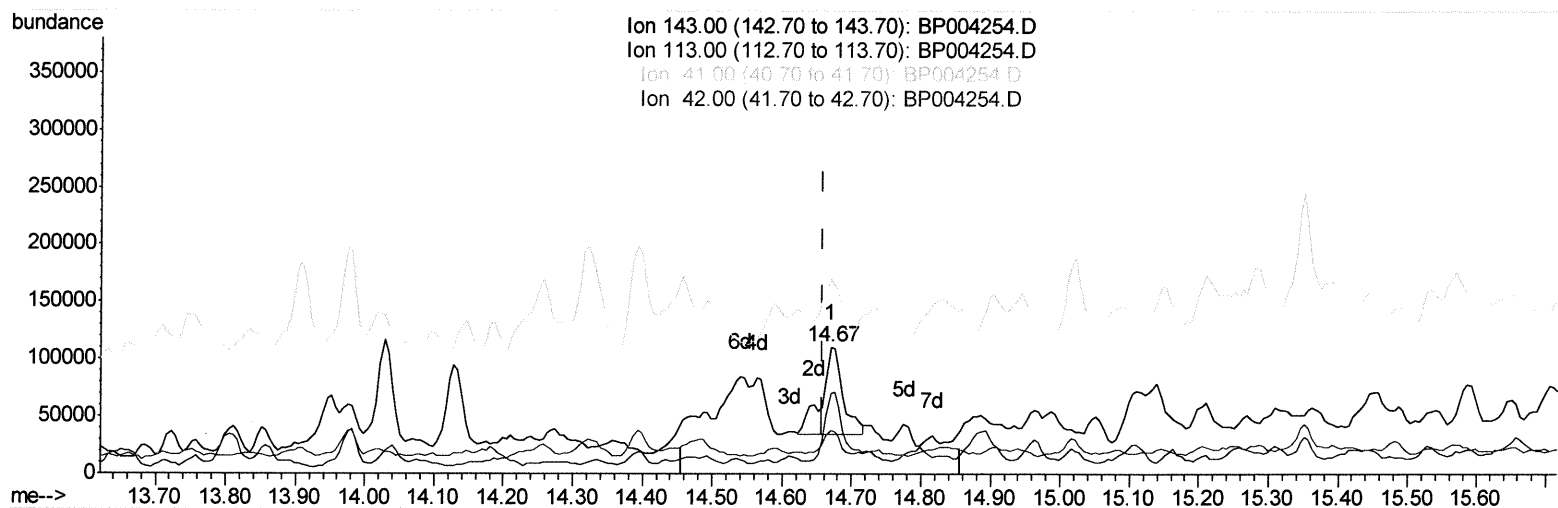
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:15:11 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



(52) 4-Nitrophenol-d4 (S)

14.669min (+0.012) 16.11ng/ul m

response 163193

Ion	Exp%	Act%
143.00	100	100
113.00	68.90	63.43
41.00	35.40	153.71#
42.00	24.70	34.14#

Handwritten signature/initials

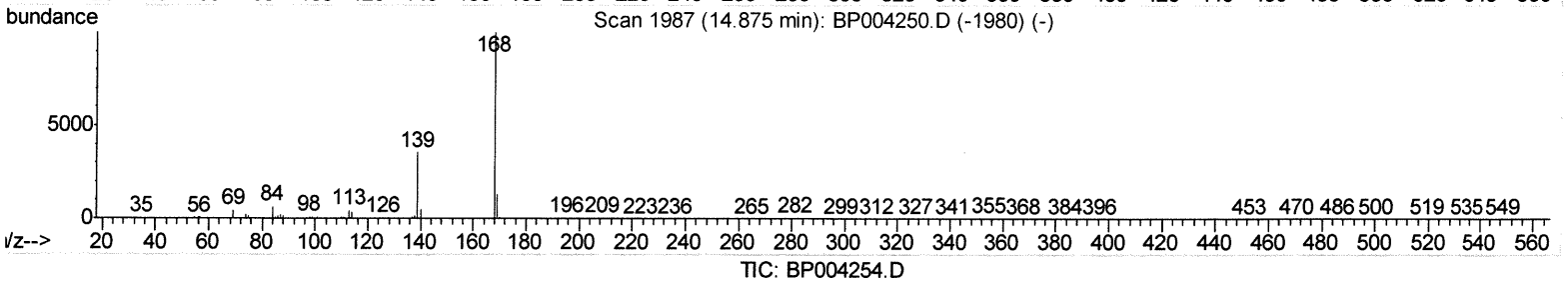
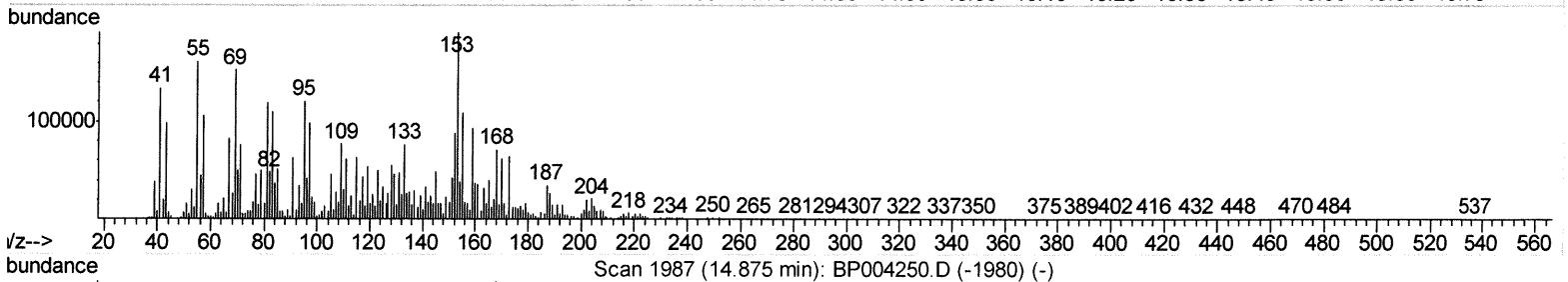
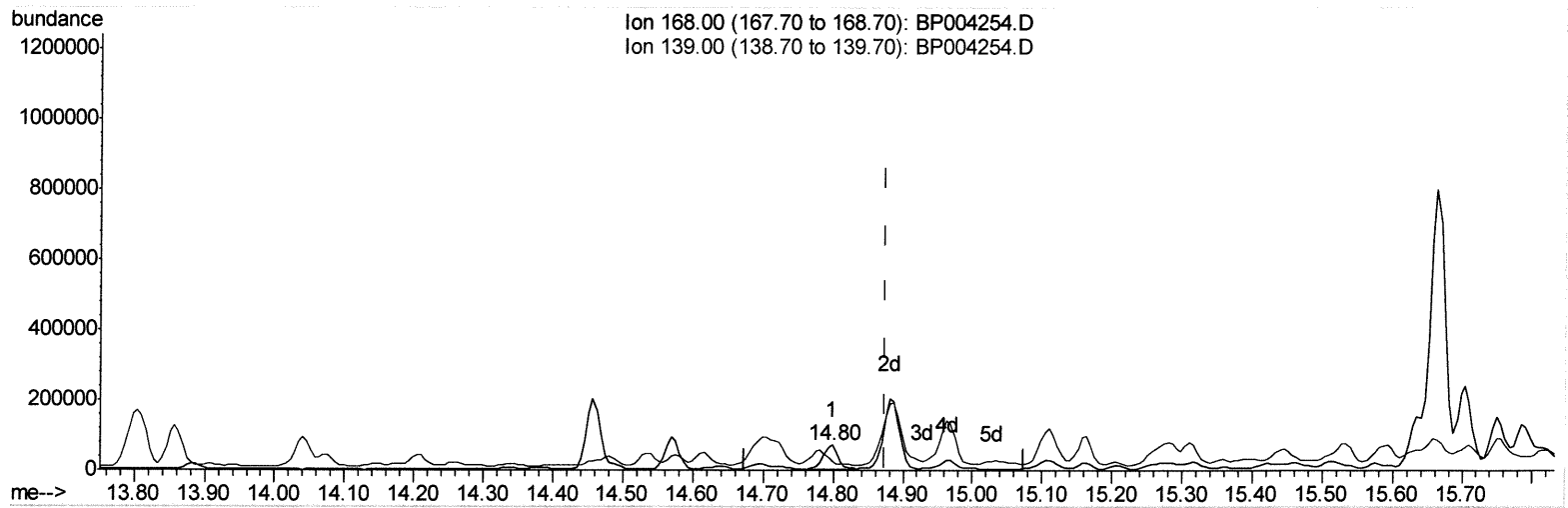
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004254.D
Acq On : 12 Dec 2020 12:19
Operator : CG/JU
Sample : L5063-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AE0

Manual Integrations
APPROVED

mohammad
12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:16:16 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



(54) Dibenzofuran

14.798min (-0.076) 1.34ng/ul

response 101378

Ion	Exp%	Act%
168.00	100	100
139.00	36.30	33.90
0.00	0.00	0.00
0.00	0.00	0.00

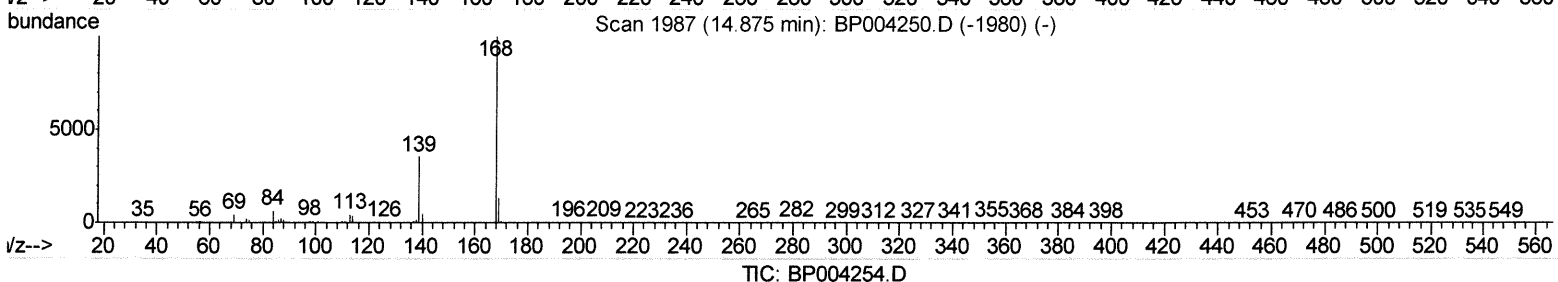
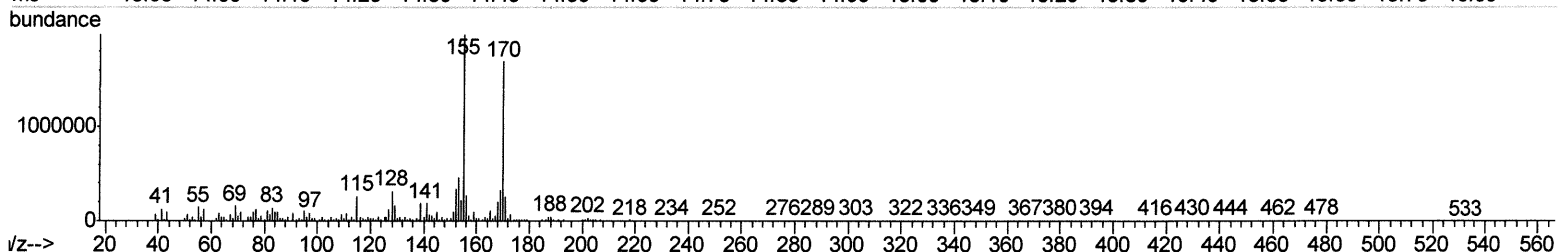
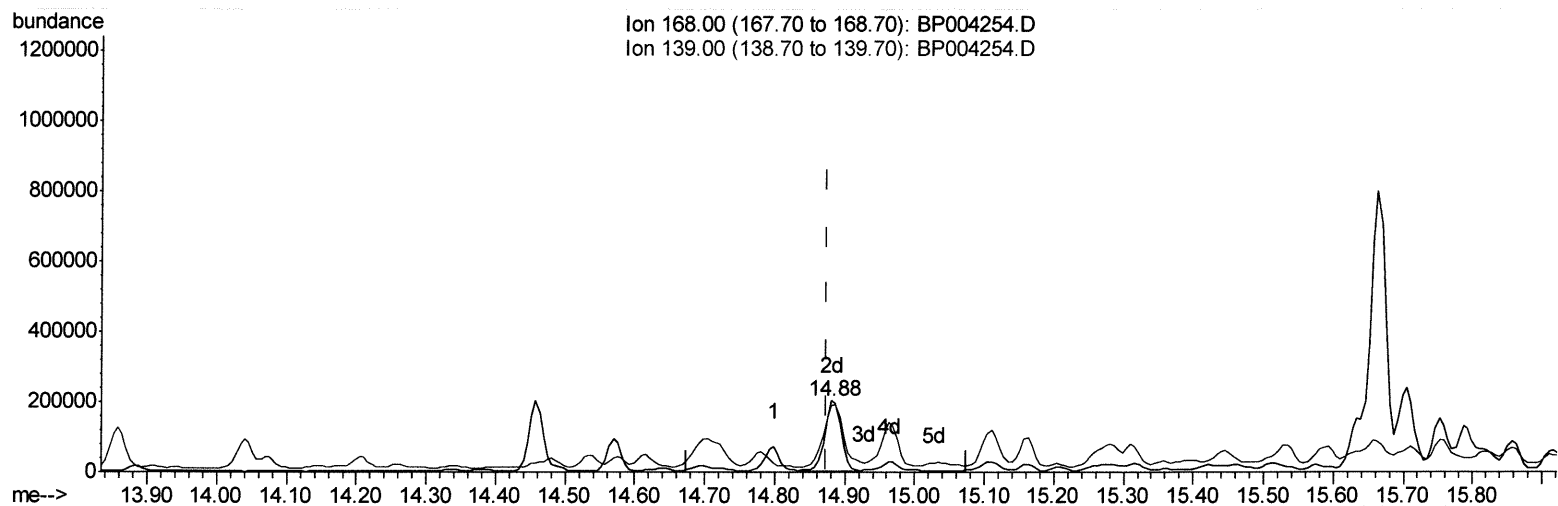
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:16:16 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



(54) Dibenzofuran

14.881min (+0.006) 4.14ng/ul m

response 313416

Ion	Exp%	Act%
168.00	100	100
139.00	36.30	93.05#
0.00	0.00	0.00
0.00	0.00	0.00

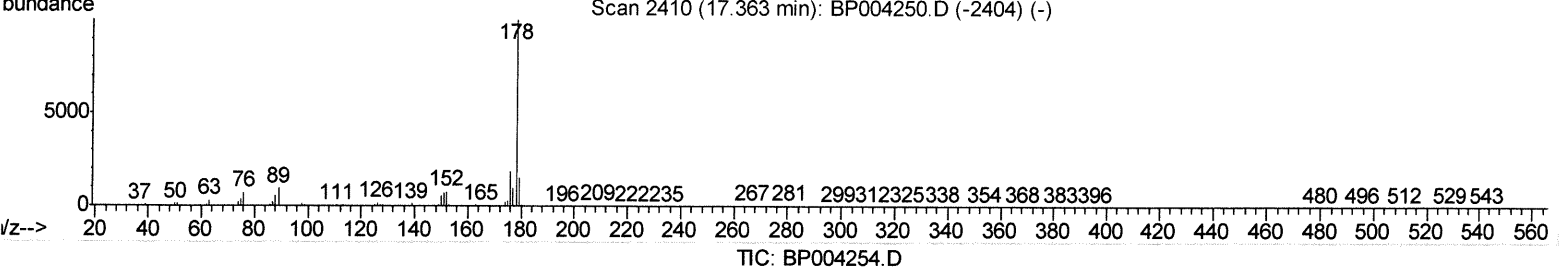
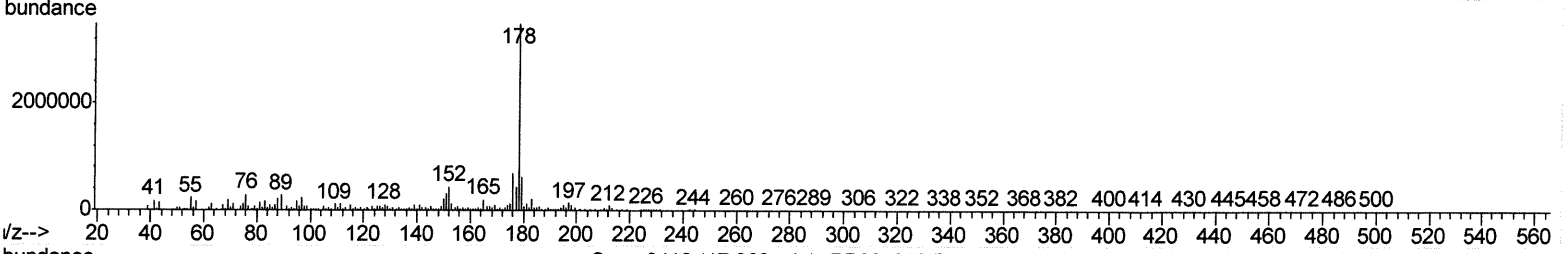
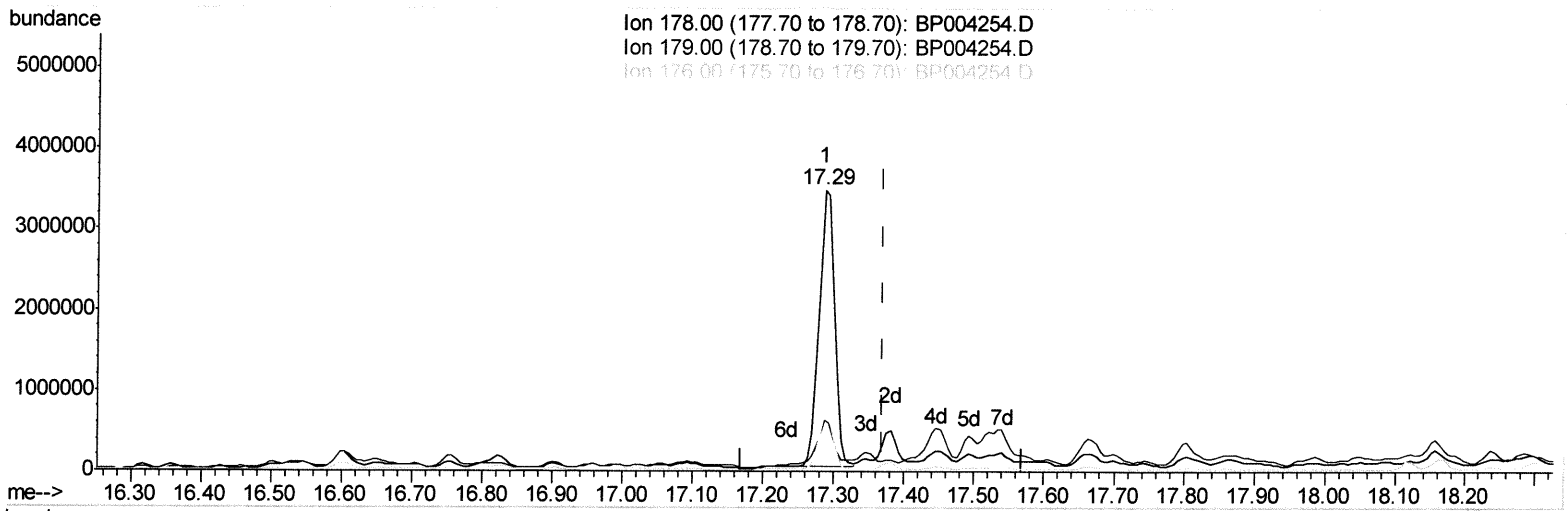
541428/20

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED
 mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:17:17 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



(72) Anthracene
 17.287min (-0.082) 55.45ng/ul
 response 5224115

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	18.01
176.00	18.60	20.06
0.00	0.00	0.00

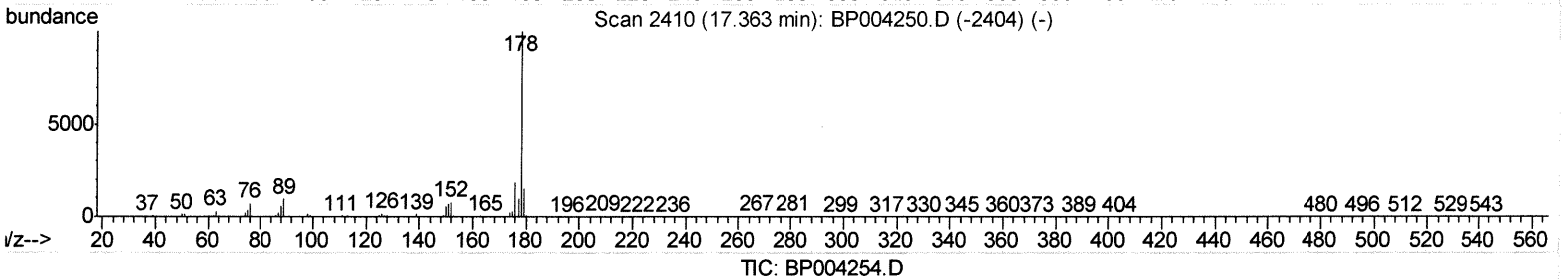
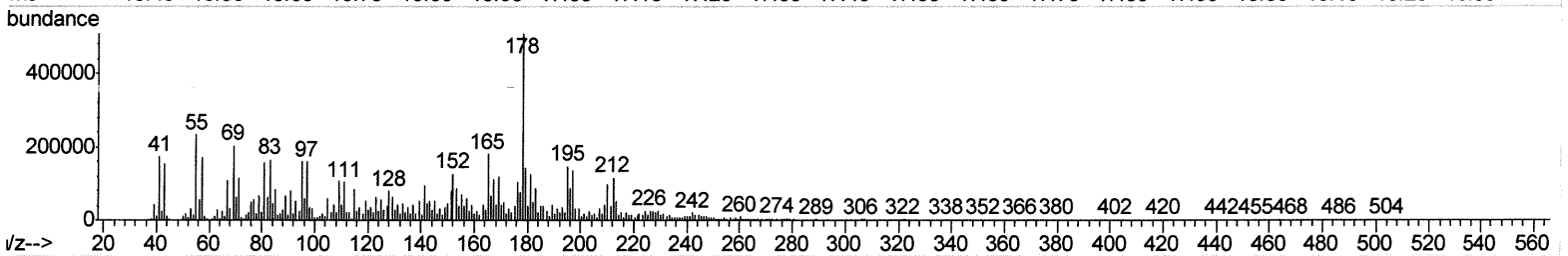
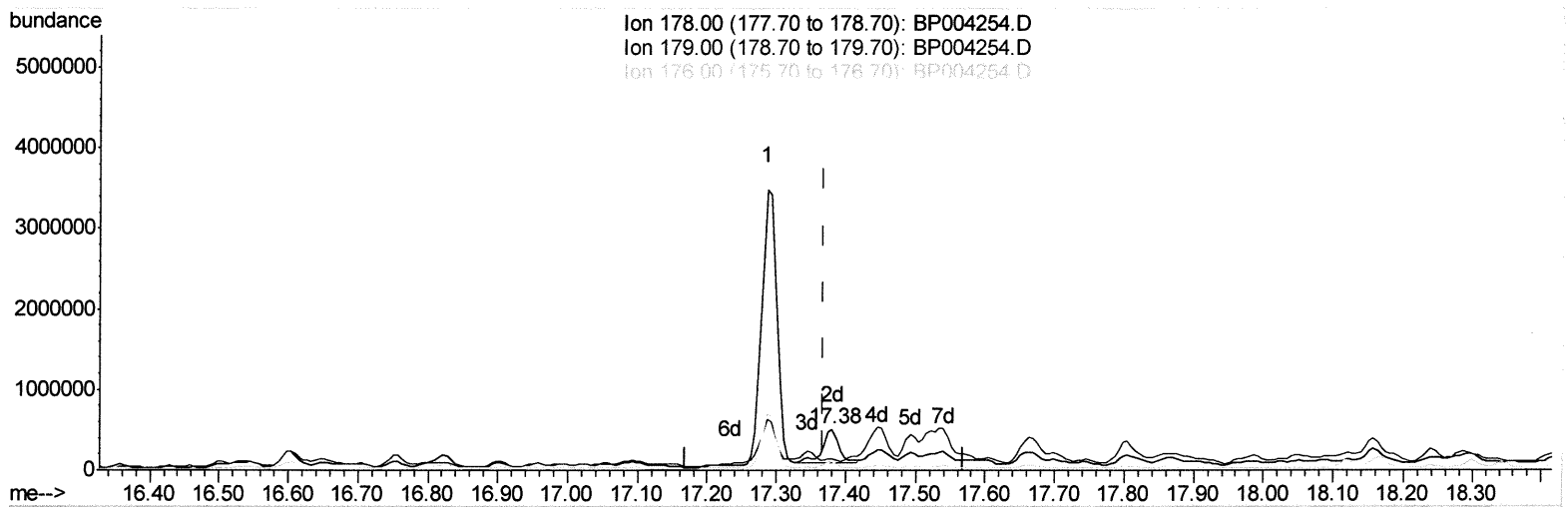
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:17:17 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



(72) Anthracene

17.381min (+0.012) 7.27ng/ul m

JU 12/26/20

response 685224

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	27.85#
176.00	18.60	20.36
0.00	0.00	0.00

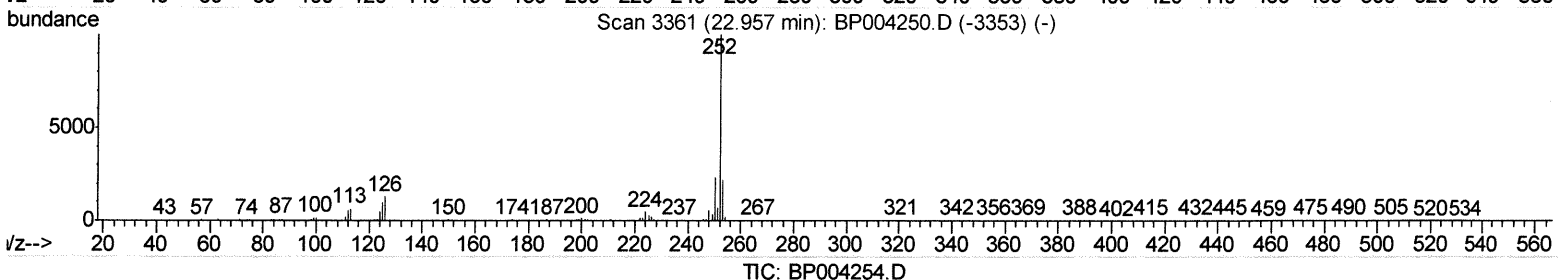
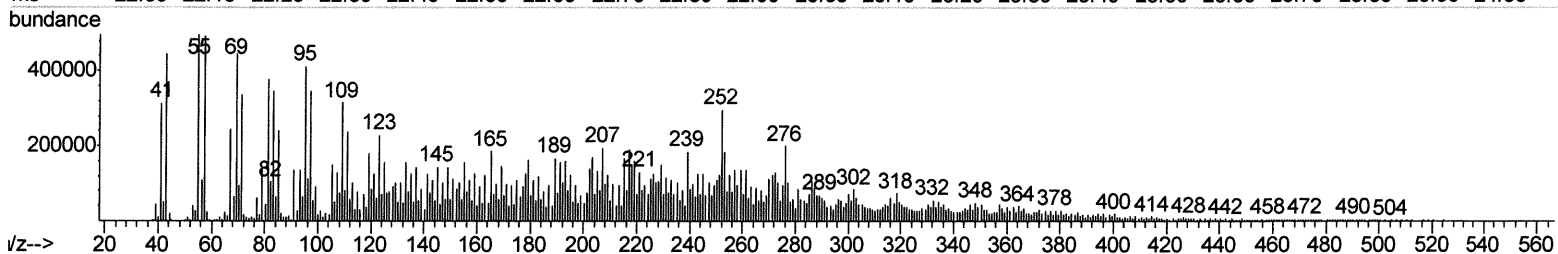
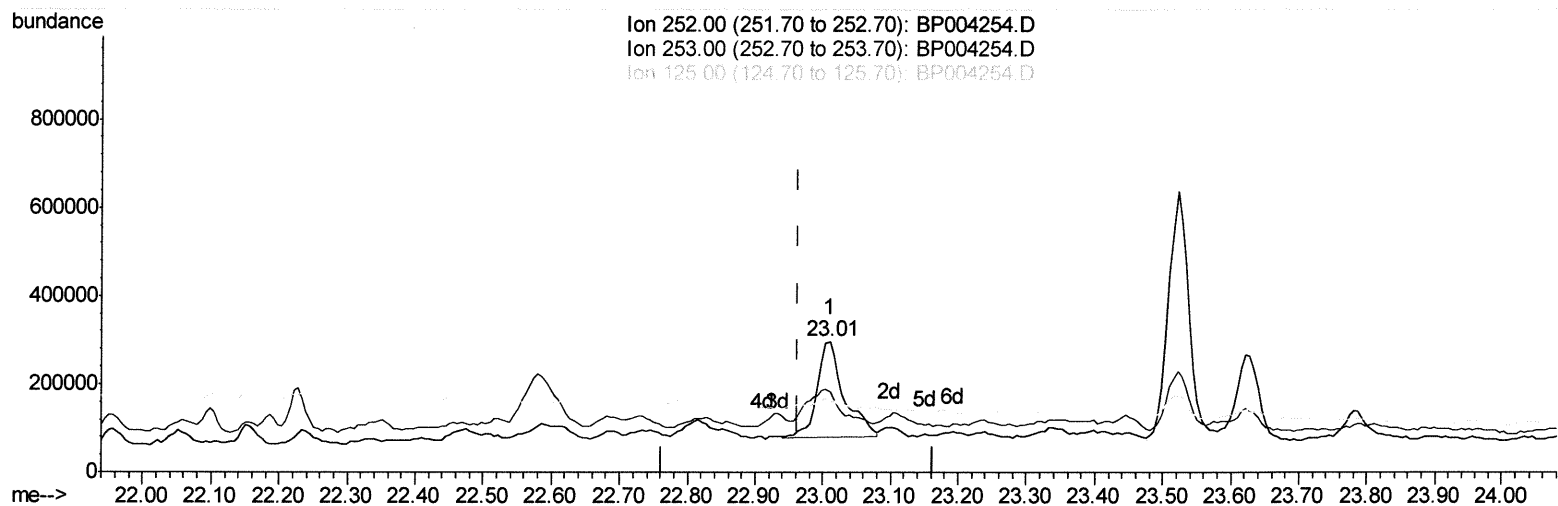
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:17:17 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



(88) Benzo(b)fluoranthene

23.010min (+0.047) 4.46ng/ul

response 598380

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	61.88#
125.00	9.60	53.25#
0.00	0.00	0.00

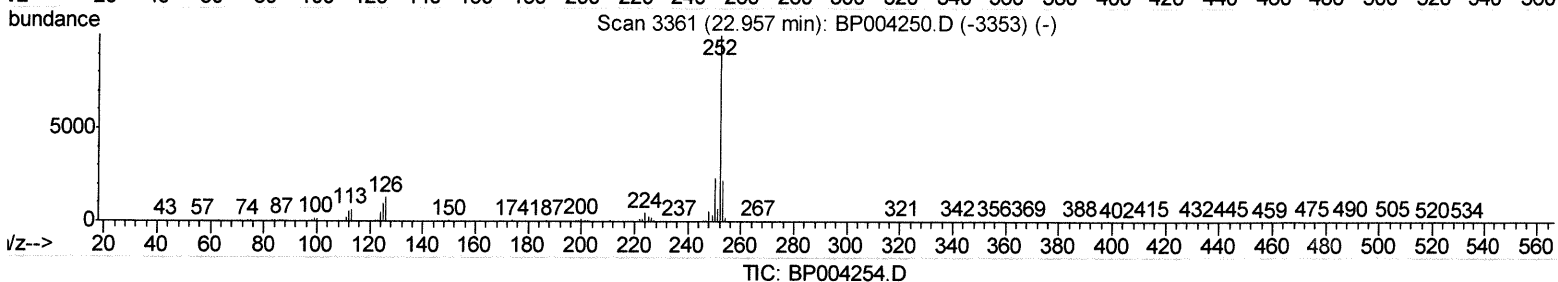
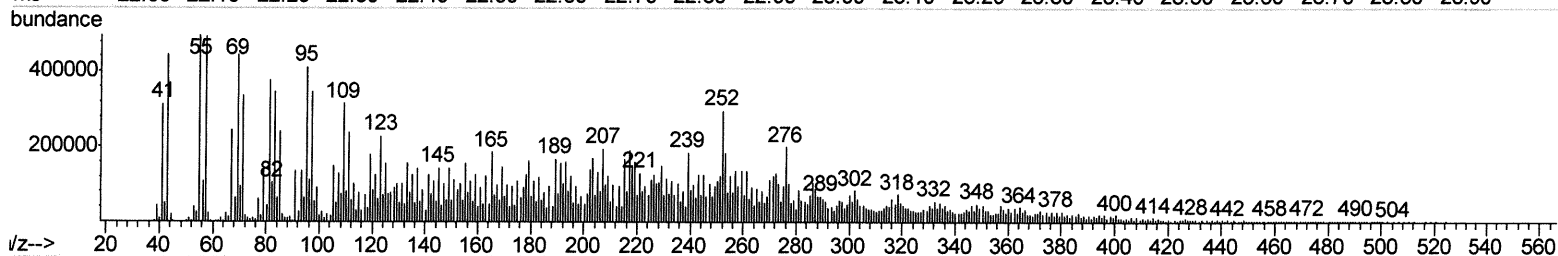
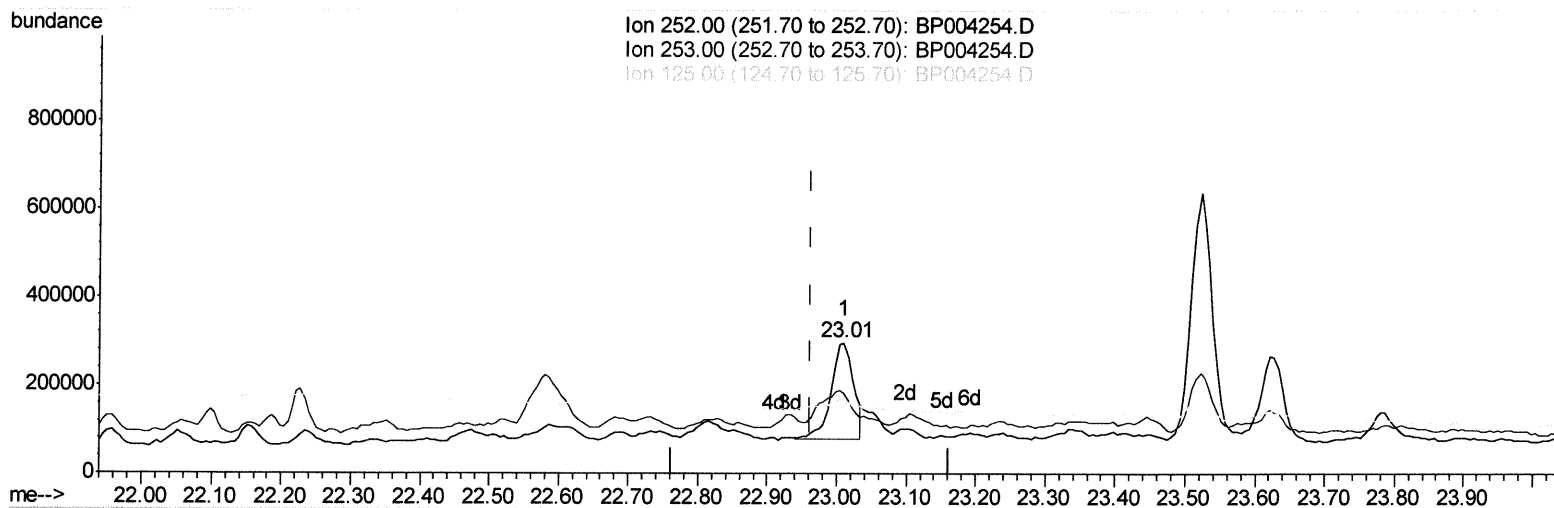
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:17:17 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



(88) Benzo(b)fluoranthene

23.010min (+0.047) 3.68ng/ul m

response 493748

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	61.88#
125.00	9.60	53.25#
0.00	0.00	0.00

Handwritten signature: JU12/14/20

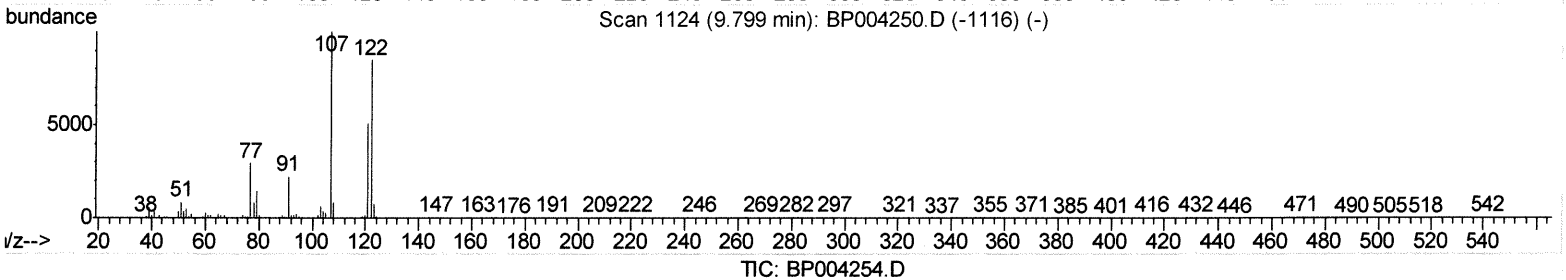
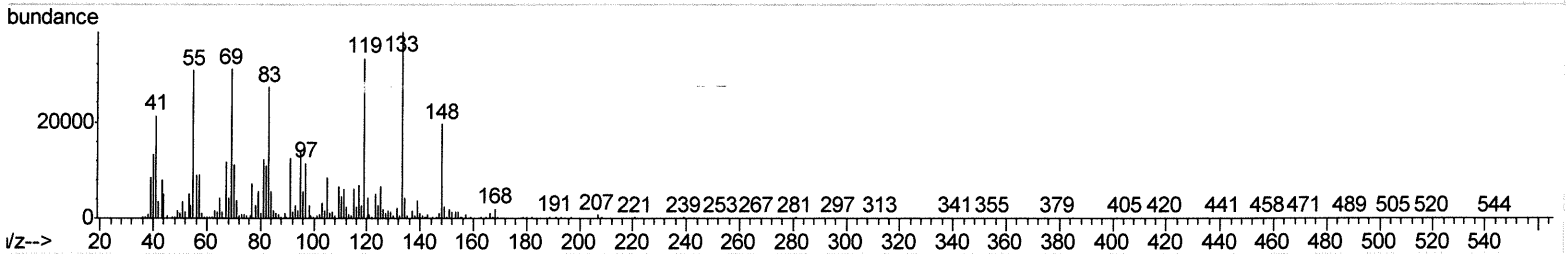
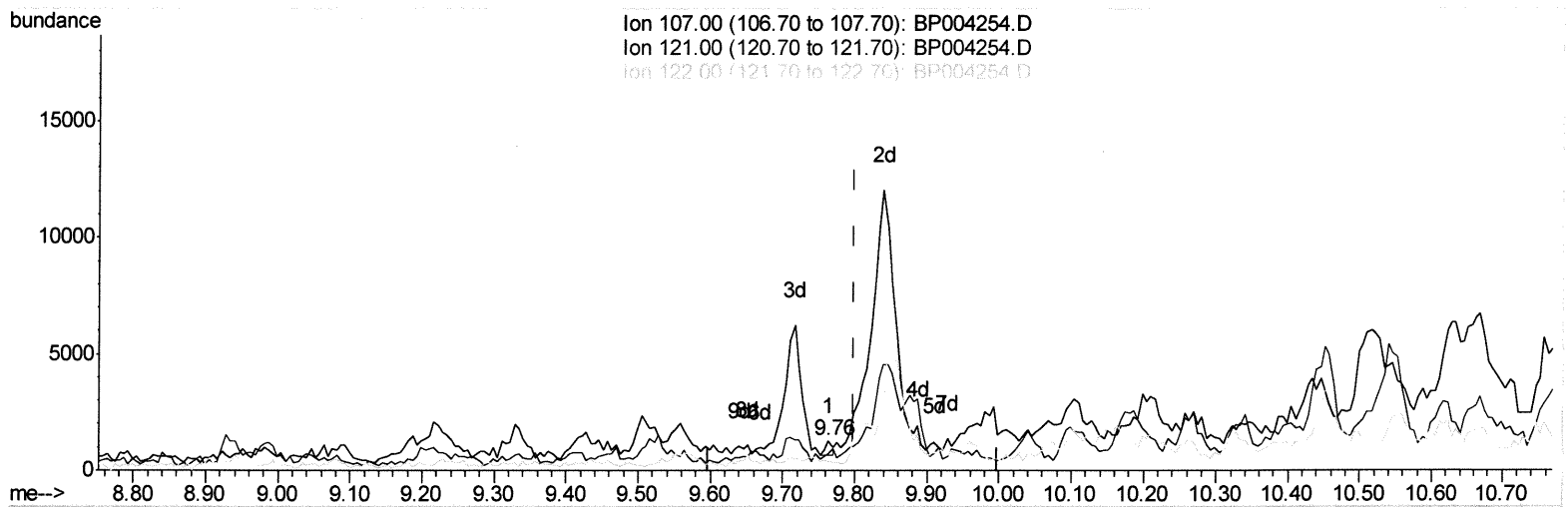
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:20:39 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



(24) 2,4-Dimethylphenol

9.763min (-0.035) 0.02ng/ul

response 410

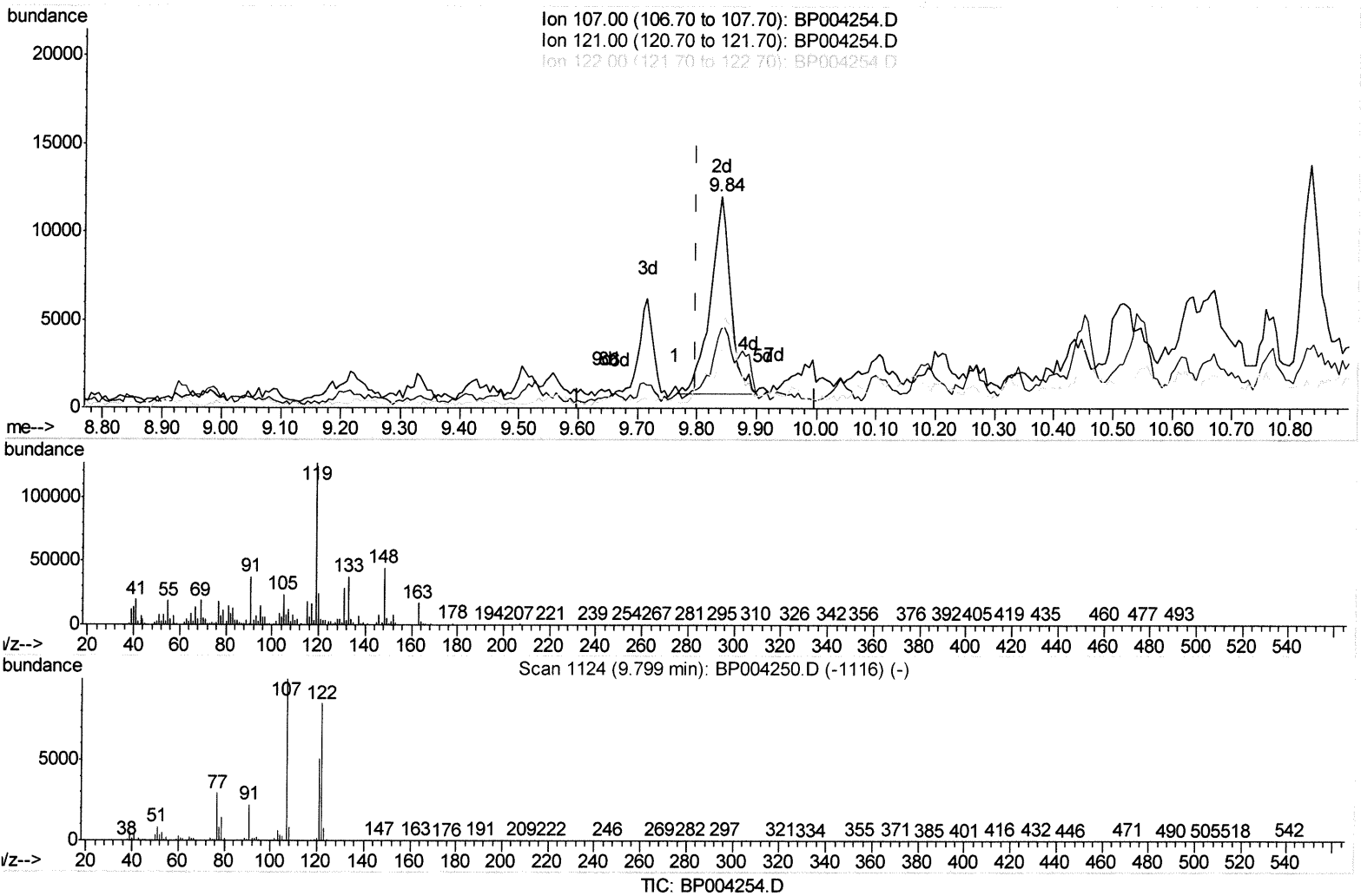
Ion	Exp%	Act%
107.00	100	100
121.00	51.50	56.95
122.00	86.60	29.14#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004254.D
Acq On : 12 Dec 2020 12:19
Operator : CG/JU
Sample : L5063-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AE0

Manual Integrations
APPROVED
mohammad
12/14/2020 2:45:40 PM

Quant Time: Dec 14 03:20:39 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



(24) 2,4-Dimethylphenol

9.840min (+0.041) 1.14ng/ul m

response 26400

Ion	Exp%	Act%
107.00	100	100
121.00	51.50	37.71#
122.00	86.60	27.01#
0.00	0.00	0.00

JU 12/28/20

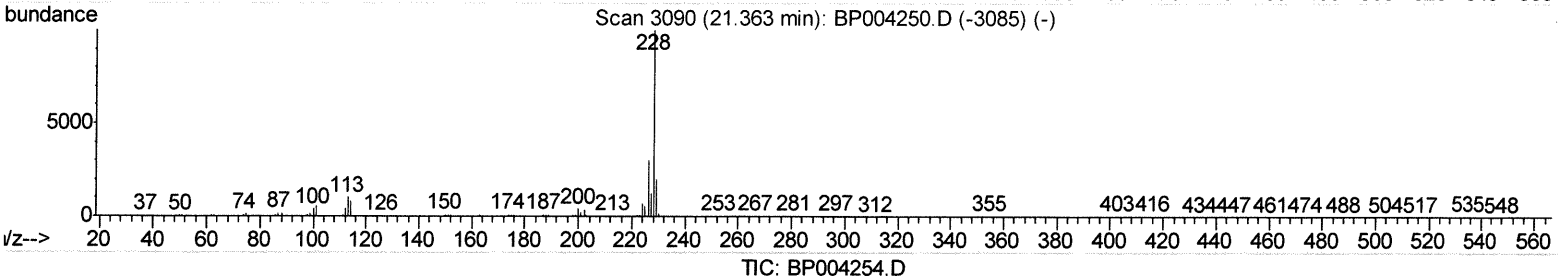
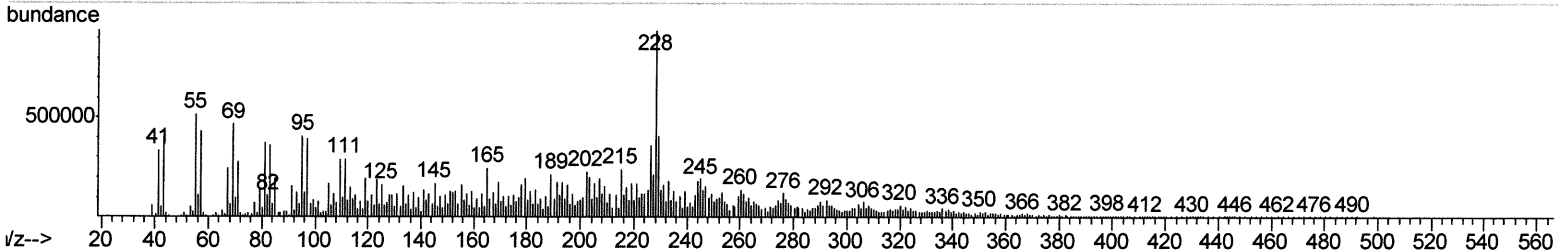
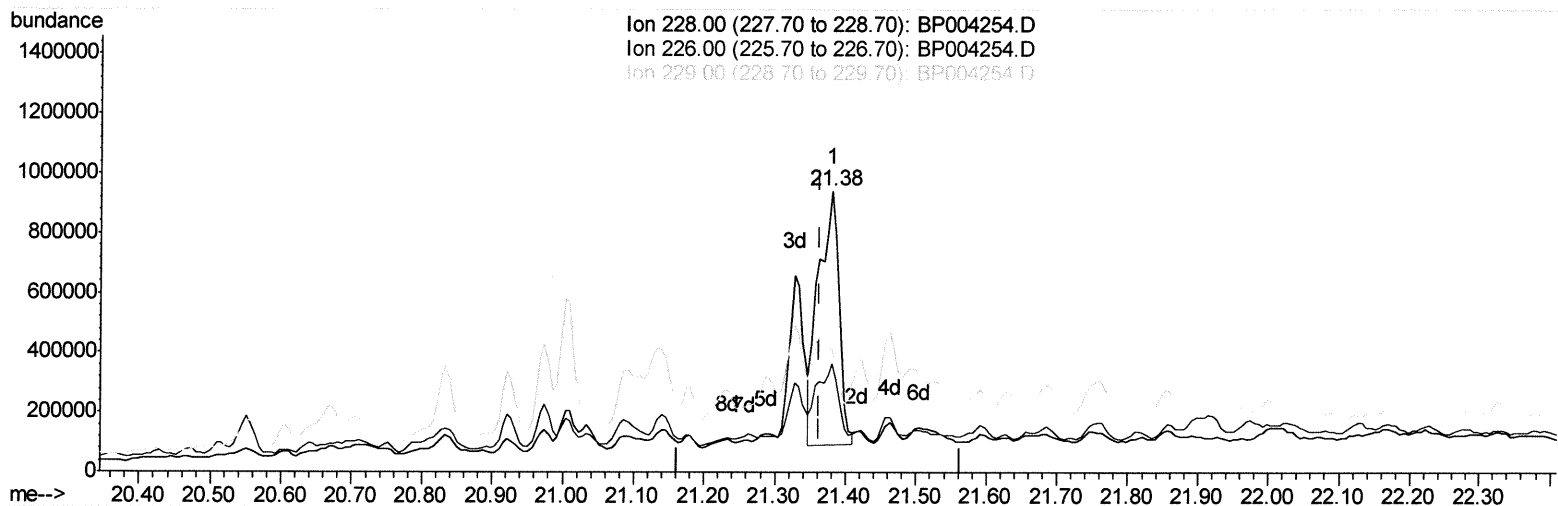
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 07:19:39 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



(85) Chrysene

21.380min (+0.018) 15.34ng/ul

response 1745463

Ion	Exp%	Act%
228.00	100	100
226.00	30.20	38.60#
229.00	19.80	43.48#
0.00	0.00	0.00

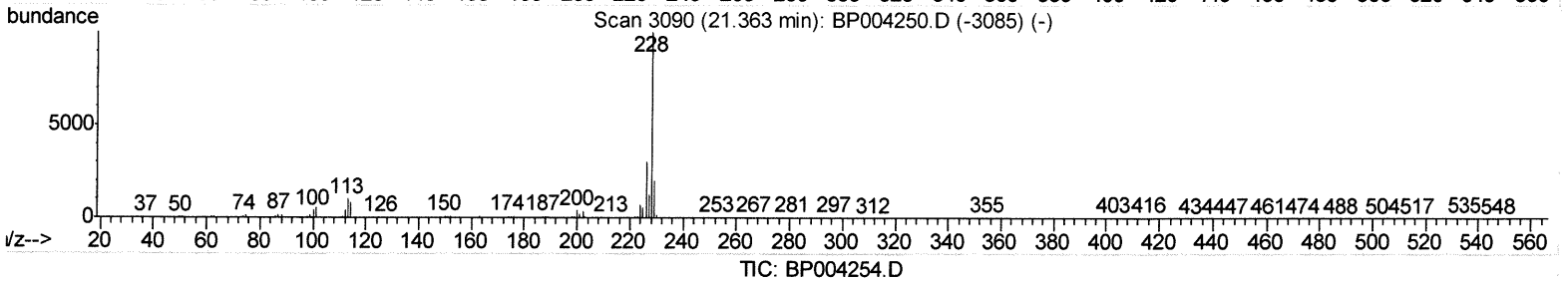
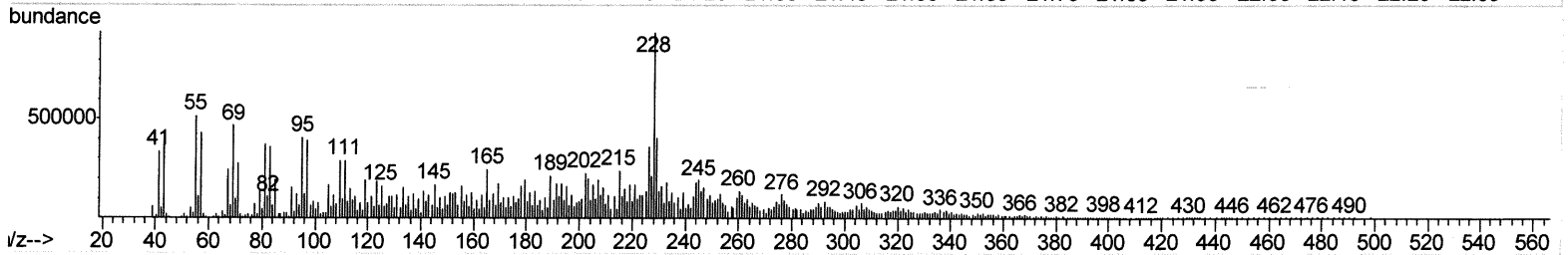
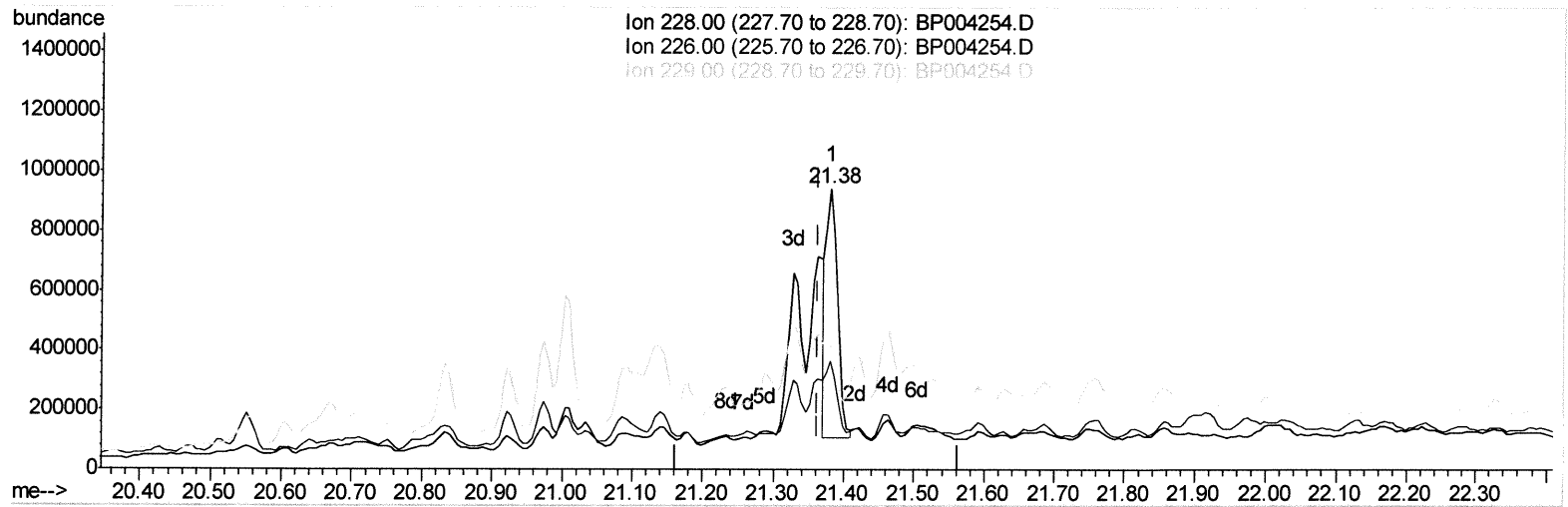
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 07:19:39 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



(85) Chrysene

21.380min (+0.018) 8.49ng/ul m

response 966226

JU 12/28/20

Ion	Exp%	Act%
228.00	100	100
226.00	30.20	38.60#
229.00	19.80	43.48#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
 Data File : BP004254.D
 Acq On : 12 Dec 2020 12:19
 Operator : CG/JU
 Sample : L5063-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AE0

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:40 PM

Quant Time: Dec 14 14:28:02 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	7.83	152	347466	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1328906	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.48	164	784542	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.25	188	1614205	20.00	ng/ul	0.01
78) Chrysene-d12	21.35	240	1760153	20.00	ng/ul	0.02
86) Perylene-d12	23.73	264	2116595	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	15164	1.53	ng/uL	0.00
5) Phenol-d5	6.99	99	349493	12.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	204641	11.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	288162	13.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	279774	12.88	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	143607	13.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	149745	16.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	281165	14.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	611131	24.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	754216	12.58	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	1036597	13.54	ng/ul	0.01
52) 4-Nitrophenol-d4	14.67	143	163193m	16.11	ng/ul	> 0.01
58) Fluorene-d10	15.48	176	695190	12.80	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.60	200	77046	9.95	ng/ul	0.02
71) Anthracene-d10	17.35	188	1109962	14.11	ng/ul	0.01
79) Pyrene-d10	19.59	212	1303050	14.21	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.57	264	1549520	13.90	ng/ul	0.05

Target Compounds

					Ovalue	
6) Phenol	7.02	94	83137	2.770	ng/ul	96
24) 2,4-Dimethylphenol	9.84	107	26400m	1.140	ng/ul	> 94 12/28/20
28) Naphthalene	10.68	128	478654	6.353	ng/ul#	91
34) 2-Methylnaphthalene	12.30	142	1585210	31.275	ng/ul	98
41) 1,1'-Biphenyl	13.31	154	243384	3.699	ng/ul	96
45) Dimethylphthalate	13.93	163	199468	3.266	ng/ul#	88
48) Acenaphthylene	14.20	152	135908m	1.789	ng/ul	} 94 12/28/20
50) Acenaphthene	14.55	153	304939m	5.671	ng/ul	
54) Dibenzofuran	14.88	168	313416m	4.136	ng/ul	
59) Fluorene	15.53	166	330365	5.451	ng/ul#	79
70) Phenanthrene	17.29	178	5193850	54.539	ng/ul	96
72) Anthracene	17.38	178	685224m	7.273	ng/ul	> 94 12/28/20
77) Fluoranthene	19.26	202	1138173	11.193	ng/ul#	94
80) Pyrene	19.62	202	6253923	52.673	ng/ul	95
83) Benzo(a)anthracene	21.33	228	765541	6.598	ng/ul#	28
85) Chrysene	21.38	228	966226m	8.489	ng/ul	} 94 12/28/20
88) Benzo(b)fluoranthene	23.01	252	493748m	3.678	ng/ul	
91) Benzo(a)pyrene	23.62	252	461413	3.684	ng/ul#	15
92) Indeno(1,2,3-cd)pyrene	26.16	276	224453	1.429	ng/ul#	54
94) Benzo(a,h,i)perylene	26.92	276	342207	2.597	ng/ul#	69

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