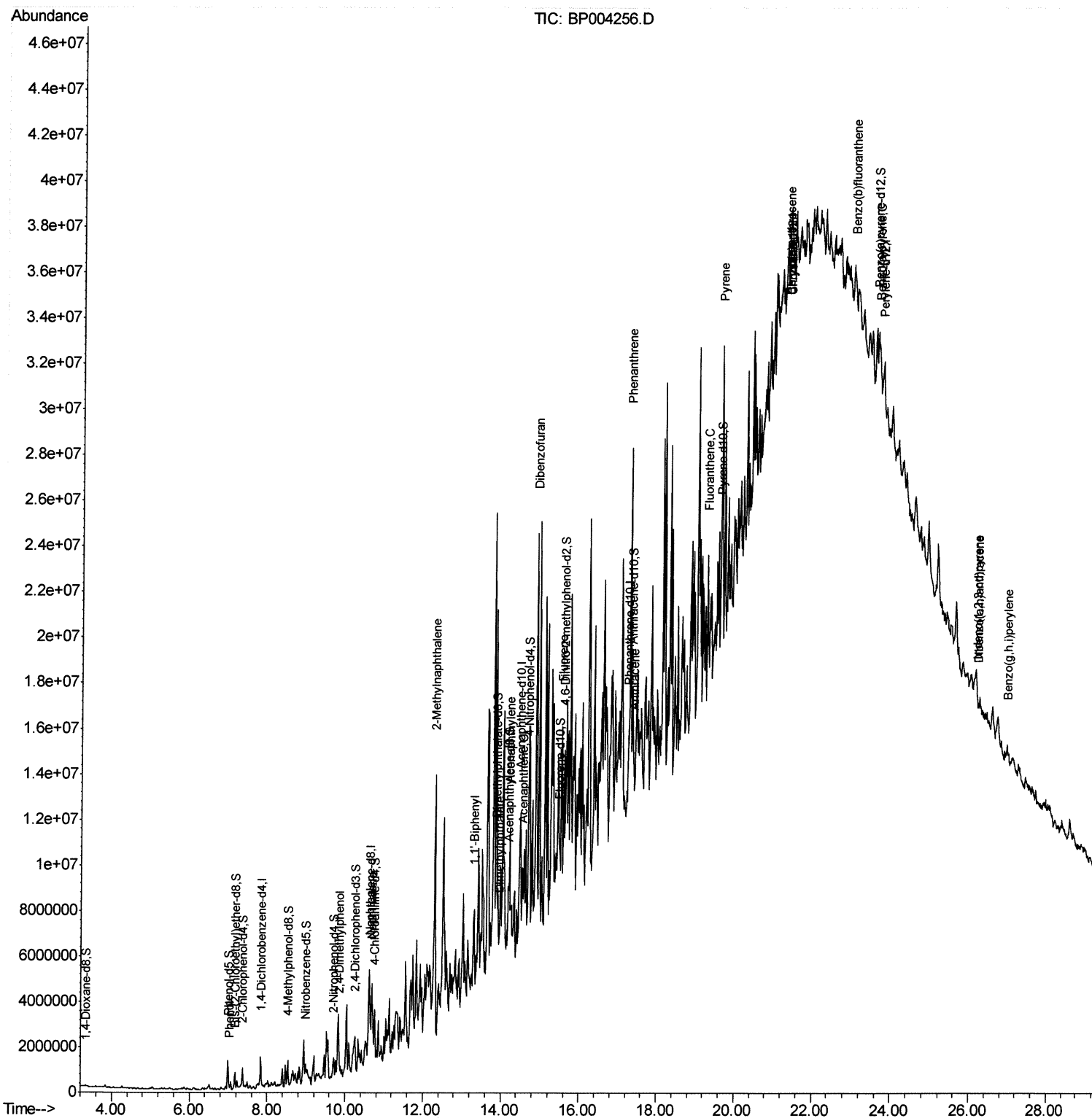


Instrument :
BNA_P
ClientSampleId :
C0AD6

mohammad
12/14/2020 2:45:53 PM

Quant Time: Dec 14 14:32:09 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



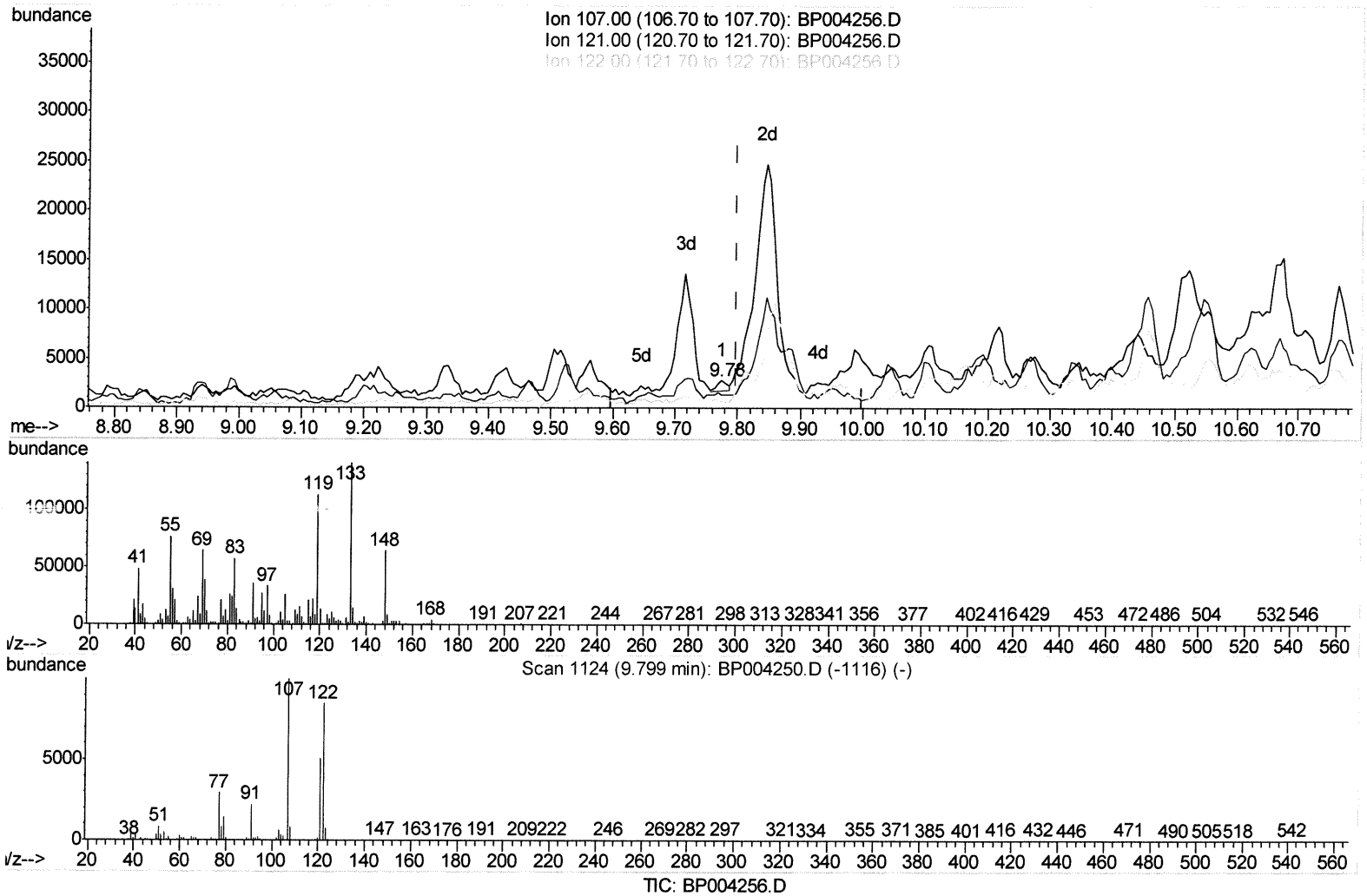
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:42:38 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

9.775min (-0.024) 0.05ng/ul

response 1108

Ion	Exp%	Act%
107.00	100	100
121.00	51.50	49.73
122.00	86.60	22.73#
0.00	0.00	0.00

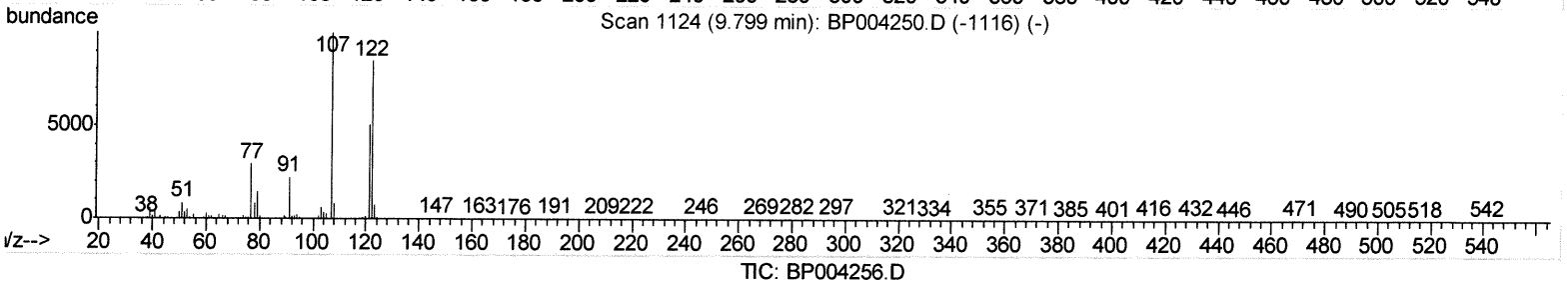
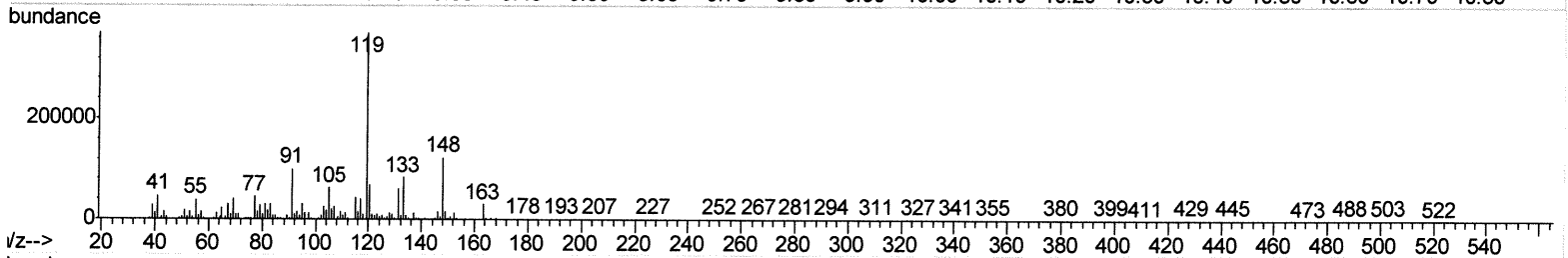
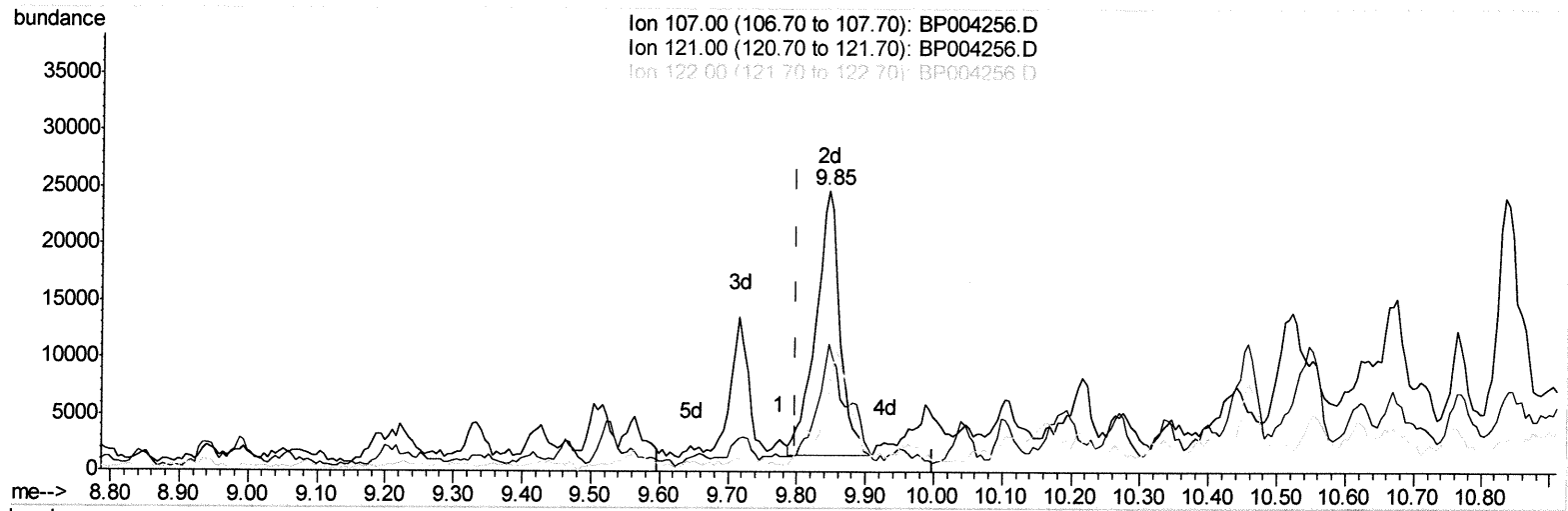
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:42:38 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

9.846min (+0.047) 2.35ng/ul m

response 57502

Ion	Exp%	Act%
107.00	100	100
121.00	51.50	45.30
122.00	86.60	31.27#
0.00	0.00	0.00

JU 12/28/20

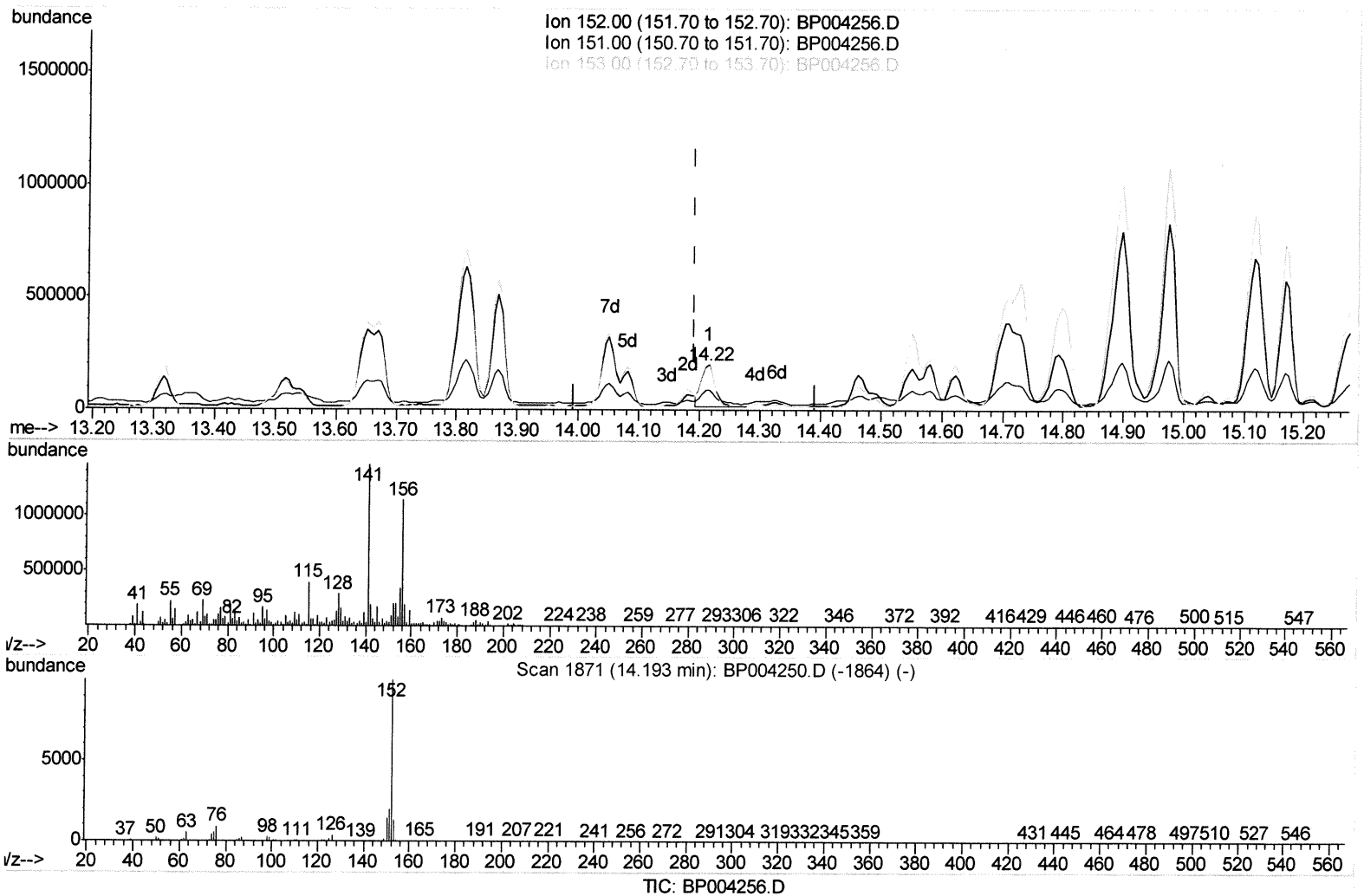
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004256.D
Acq On : 12 Dec 2020 13:27
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AD6

Manual Integrations
APPROVED

mohammad
12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:43:46 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

14.216min (+0.024) 3.43ng/ul

response 290296

Ion	Exp%	Act%
152.00	100	100
151.00	19.80	44.48#
153.00	13.30	98.95#
0.00	0.00	0.00

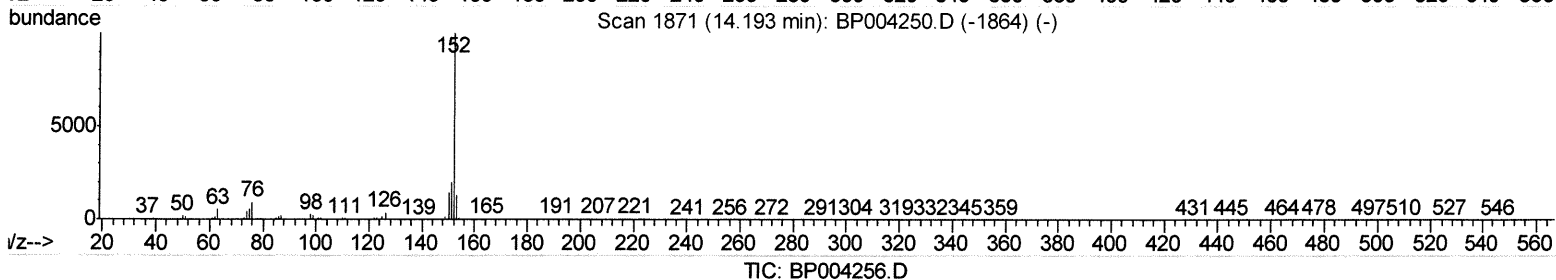
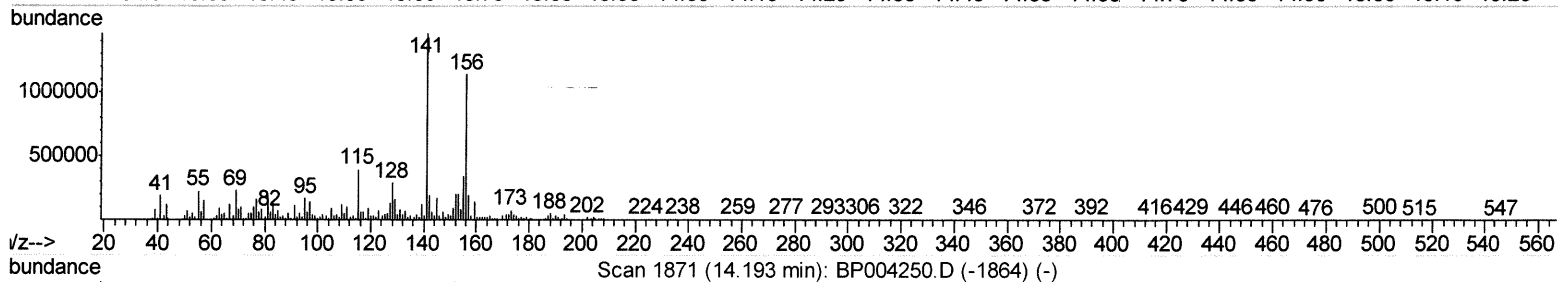
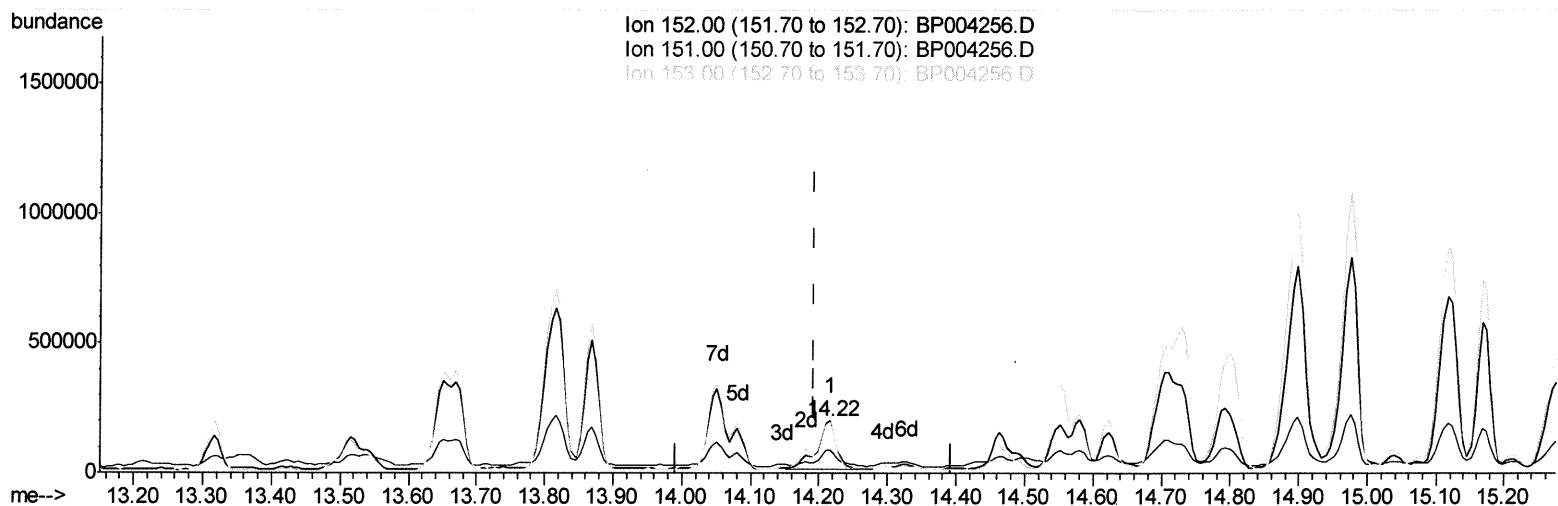
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampled :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:43:46 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

14.216min (+0.024) 4.26ng/ul m

response 360213

Ion	Exp%	Act%
152.00	100	100
151.00	19.80	44.48#
153.00	13.30	98.95#
0.00	0.00	0.00

Handwritten signature: JU 12/14/20

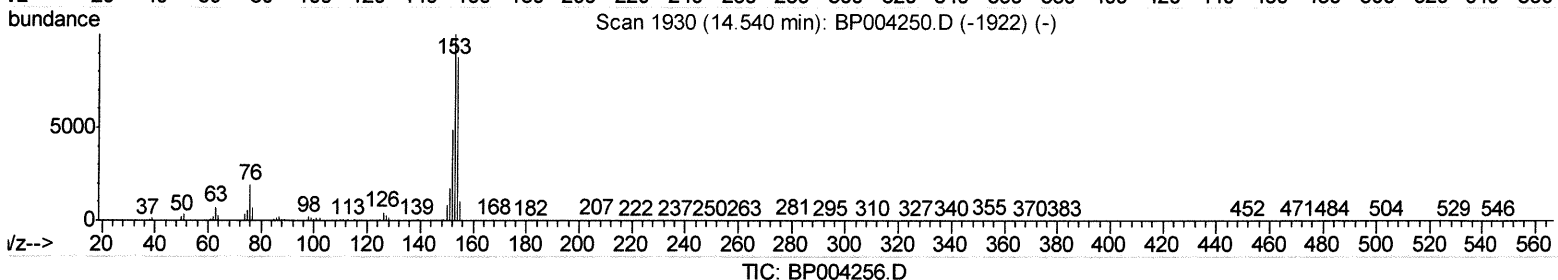
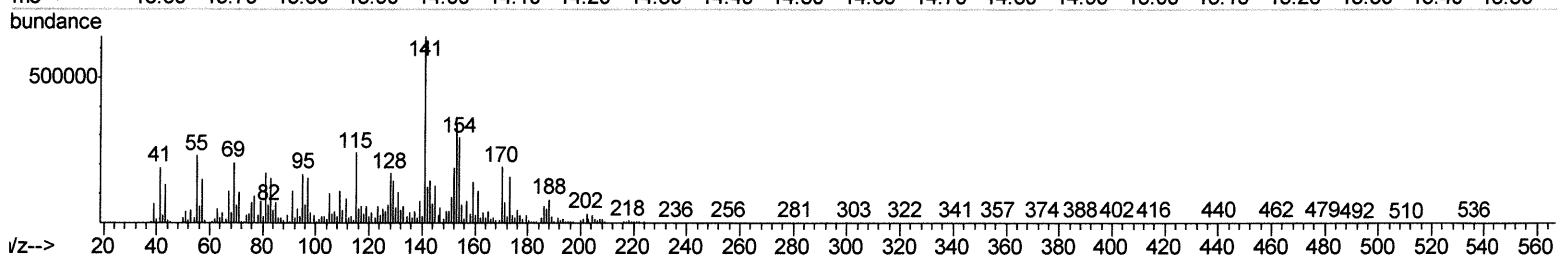
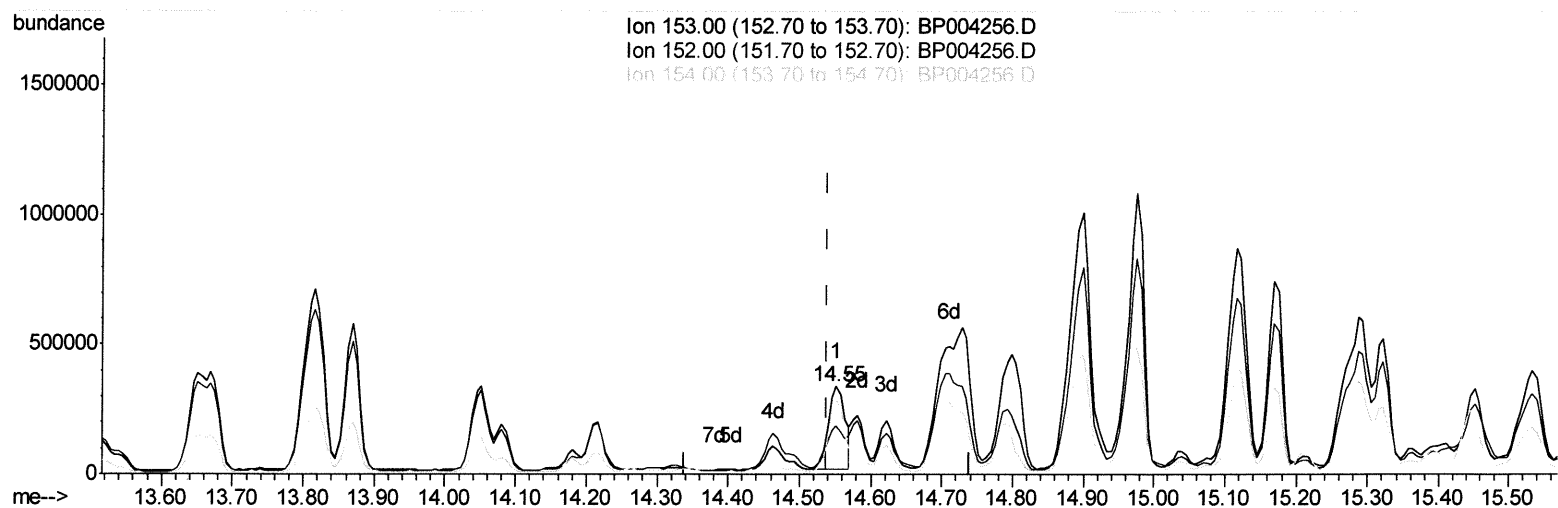
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampled :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:43:46 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)

14.551min (+0.012) 8.88ng/ul

response 531530

Ion	Exp%	Act%
153.00	100	100
152.00	47.20	54.94
154.00	87.30	85.87
0.00	0.00	0.00

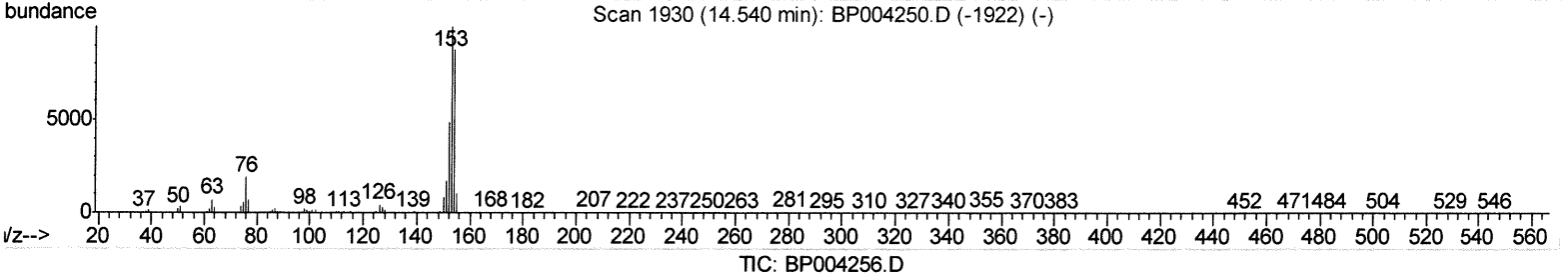
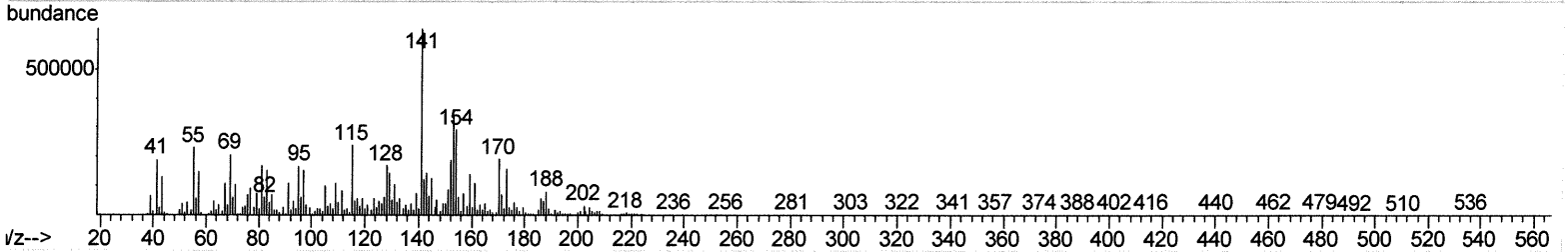
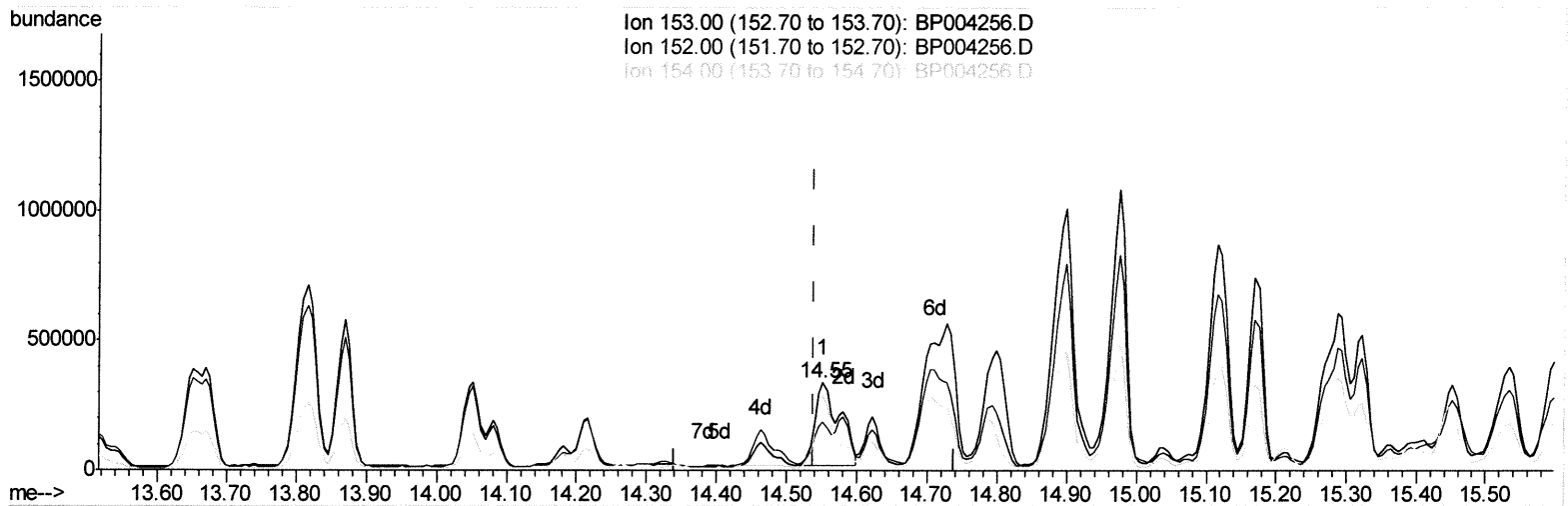
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:43:46 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)

14.551min (+0.012) 13.19ng/ul m

response 789321

Ion	Exp%	Act%
153.00	100	100
152.00	47.20	54.94
154.00	87.30	85.87
0.00	0.00	0.00

Handwritten signature

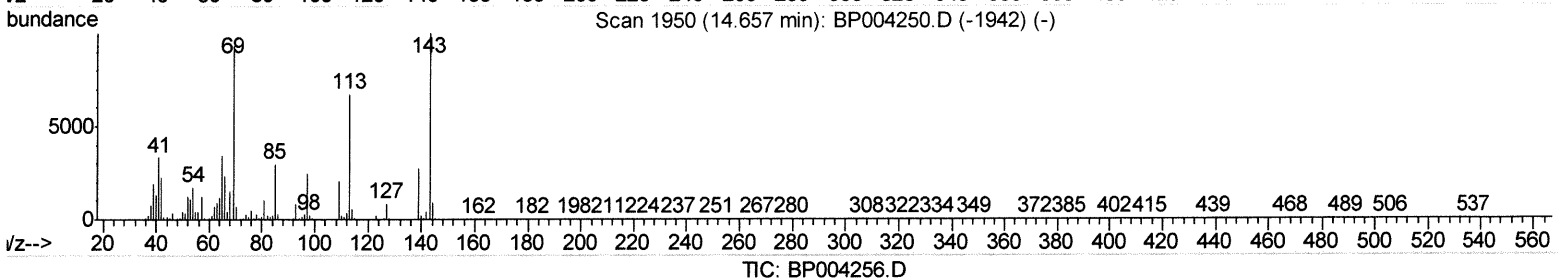
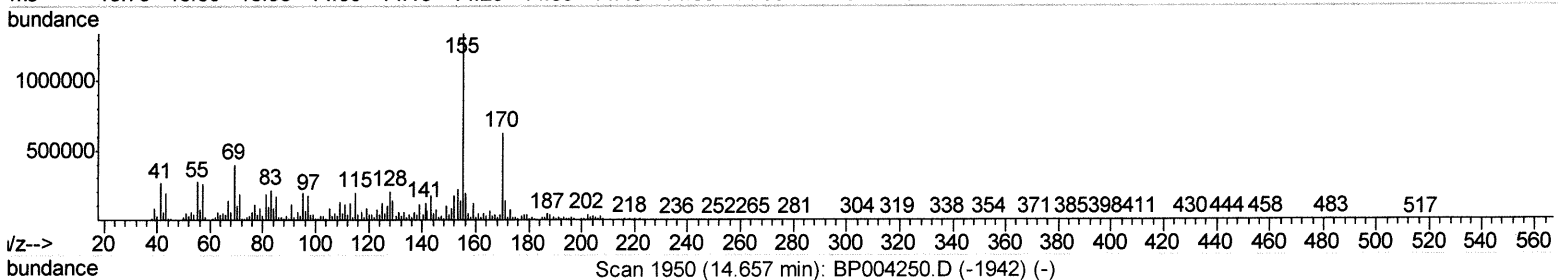
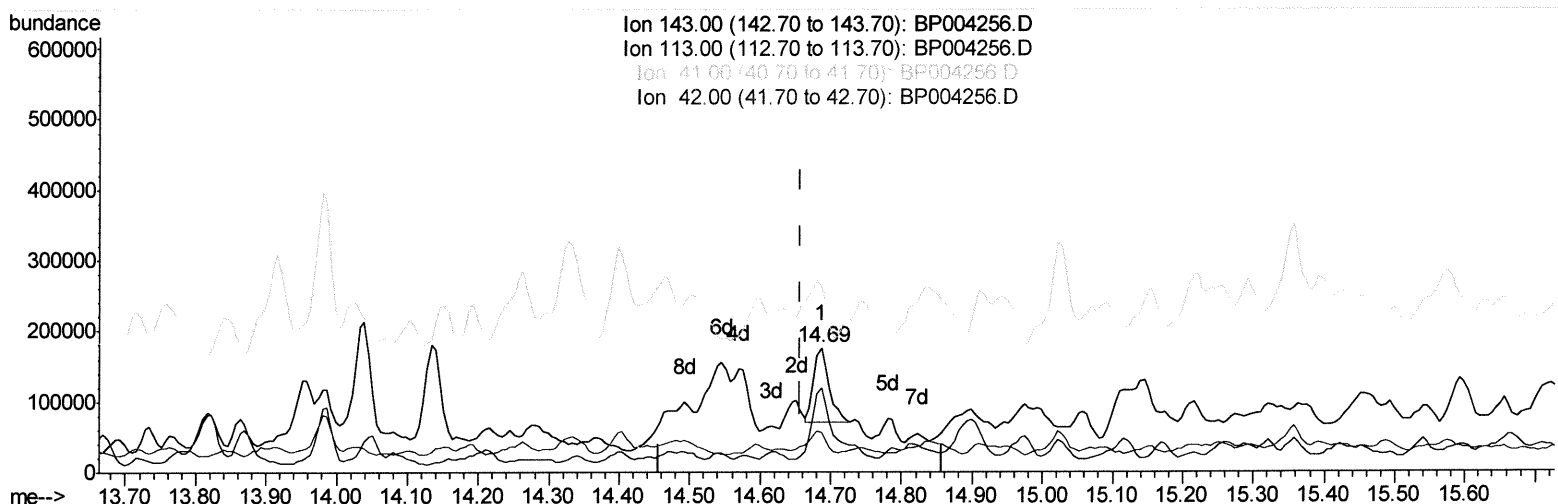
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:43:46 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)

14.687min (+0.029) 14.22ng/ul

response 160266

Ion	Exp%	Act%
143.00	100	100
113.00	68.90	67.51
41.00	35.40	150.62#
42.00	24.70	31.60#

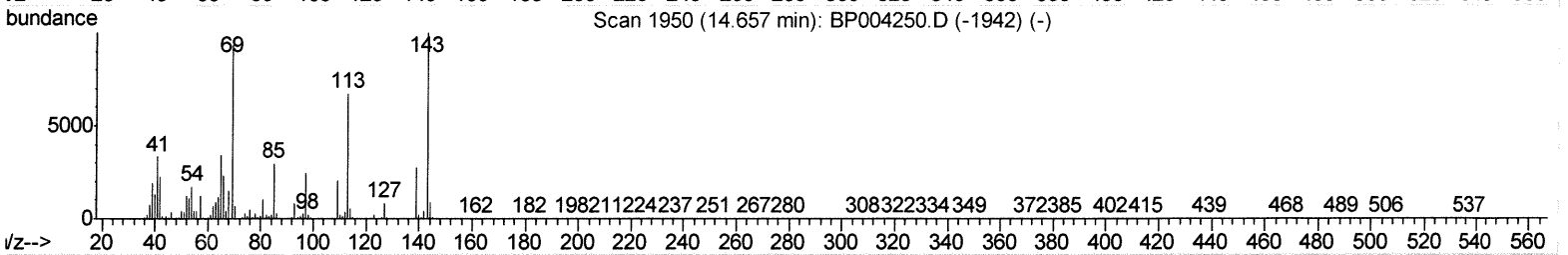
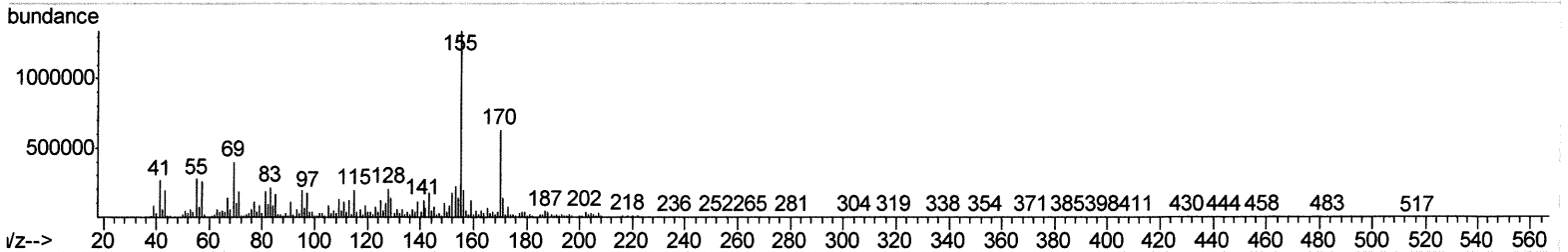
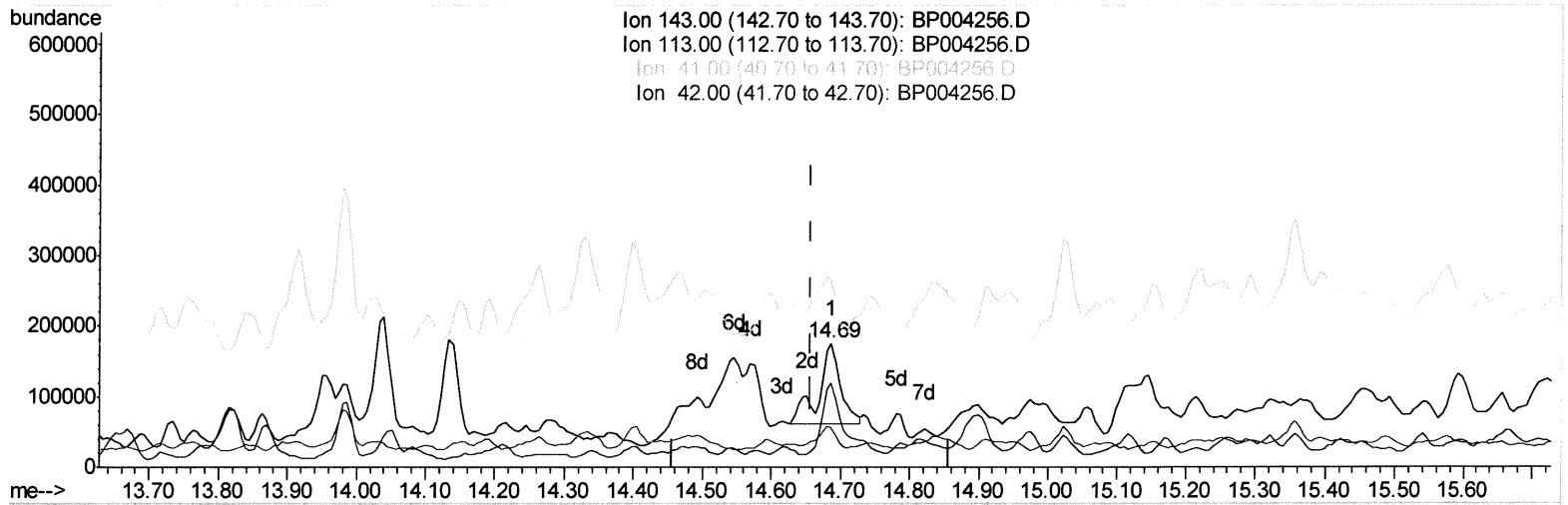
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:43:46 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



TIC: BP004256.D

(52) 4-Nitrophenol-d4 (S)

14.687min (+0.029) 22.35ng/ul m

response 251833

Ion	Exp%	Act%
143.00	100	100
113.00	68.90	67.51
41.00	35.40	150.62#
42.00	24.70	31.60#

Handwritten signature: Jy 14/28/20

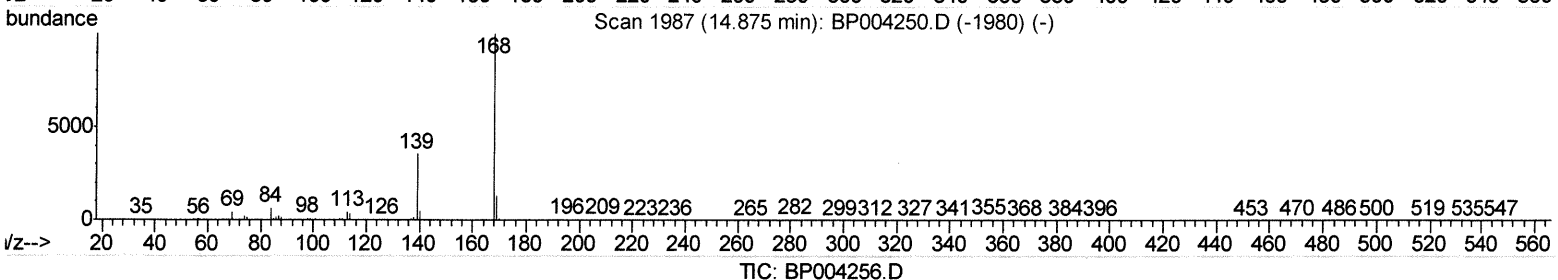
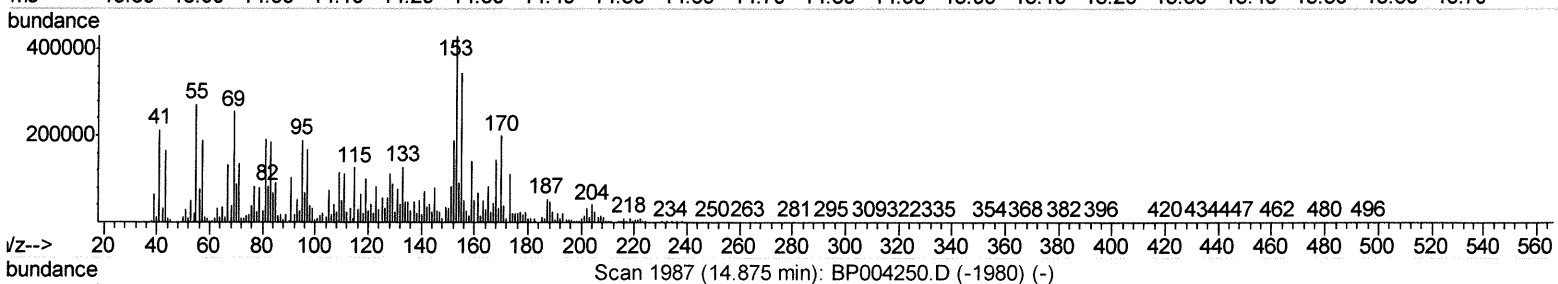
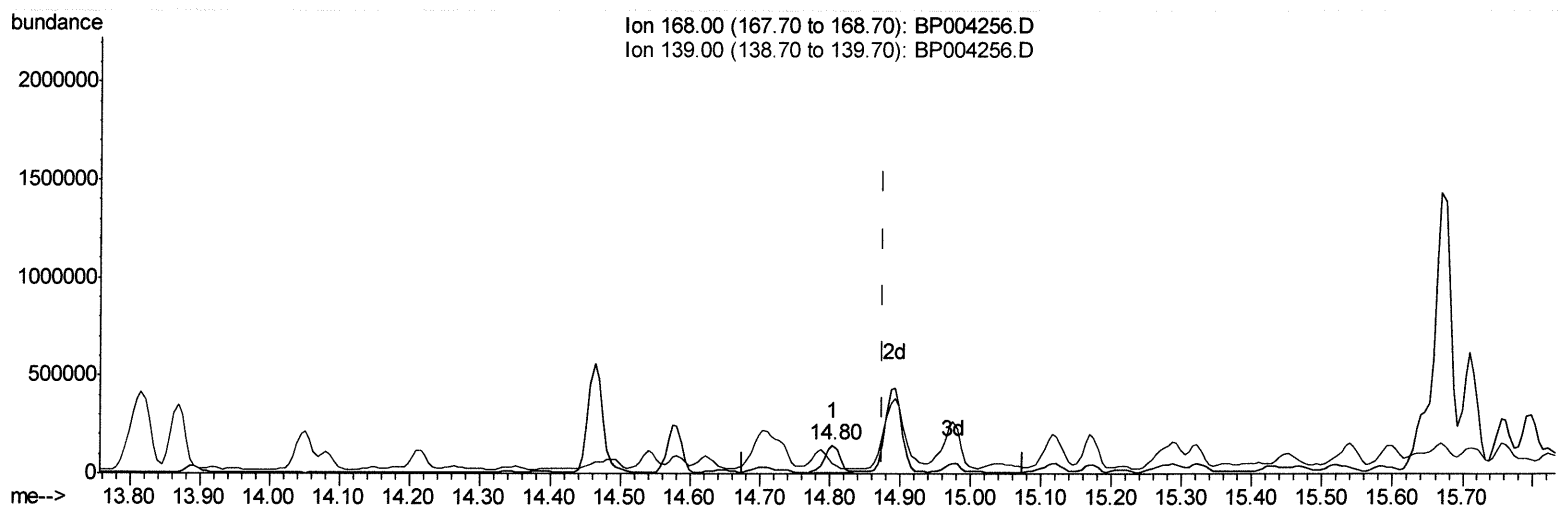
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:43:46 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

14.804min (-0.071) 2.52ng/ul

response 212212

Ion	Exp%	Act%
168.00	100	100
139.00	36.30	34.98
0.00	0.00	0.00
0.00	0.00	0.00

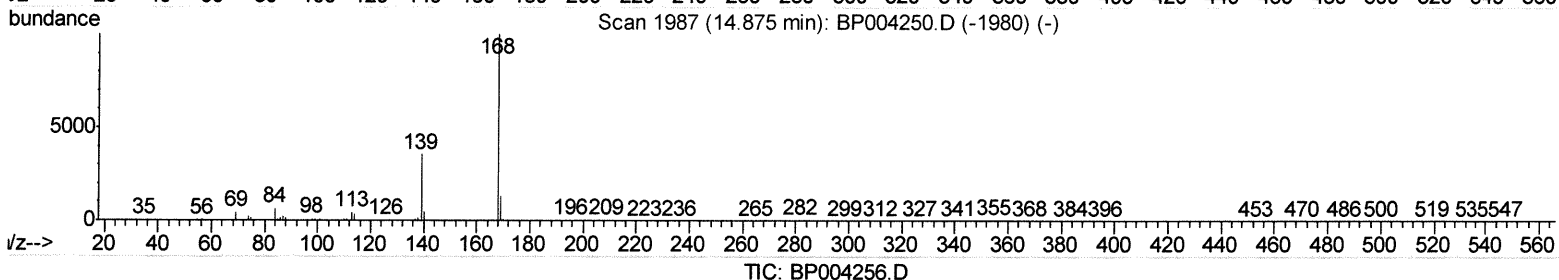
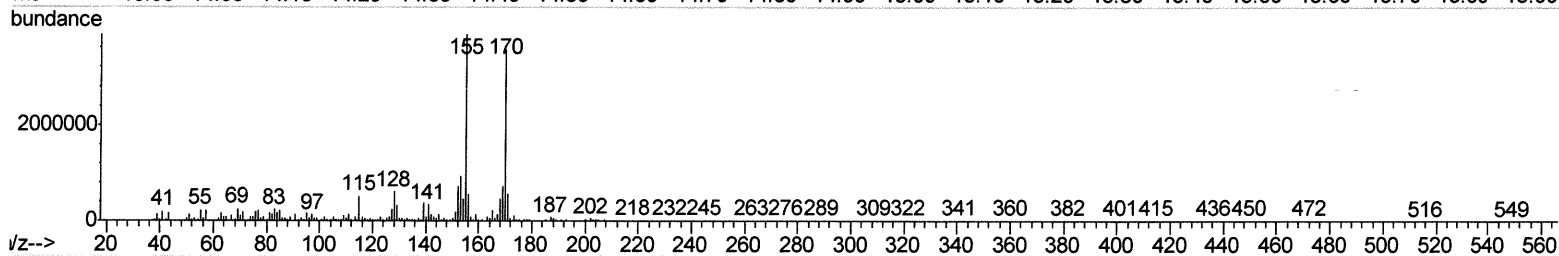
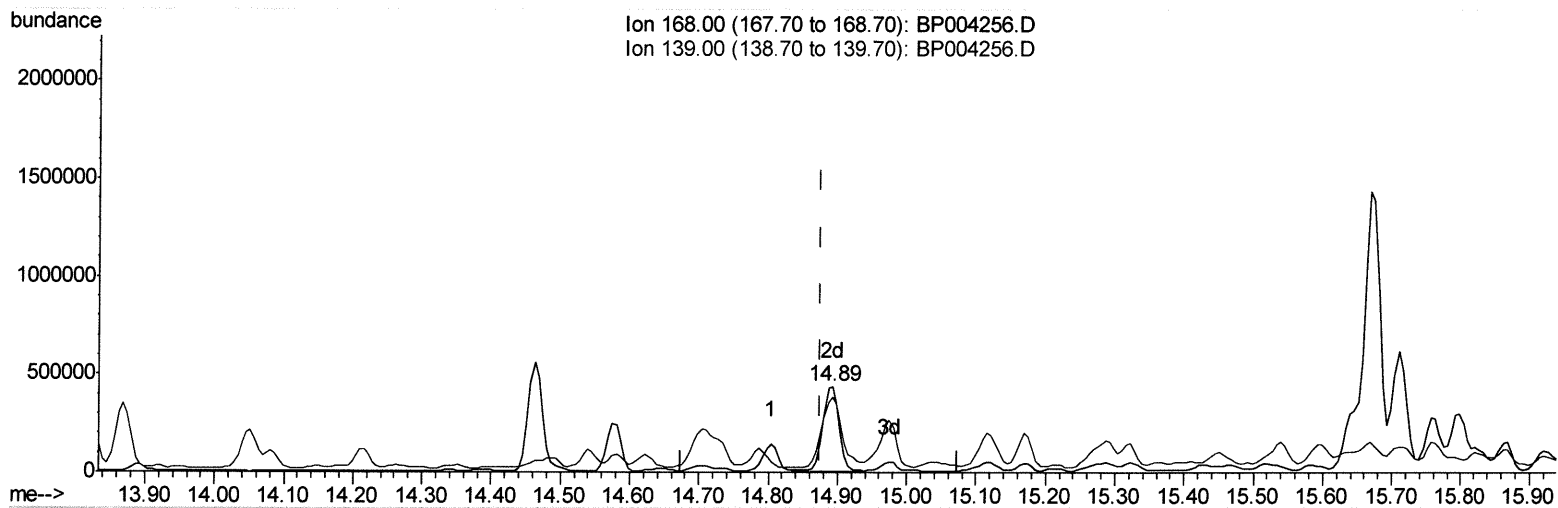
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampled :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 04:43:46 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

14.892min (+0.018) 8.16ng/ul m

response 687841

Ion	Exp%	Act%
168.00	100	100
139.00	36.30	87.44#
0.00	0.00	0.00
0.00	0.00	0.00

Signature

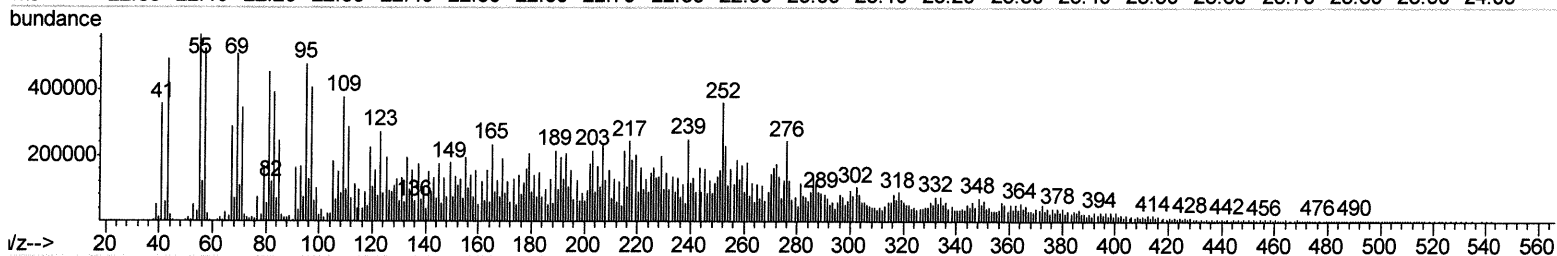
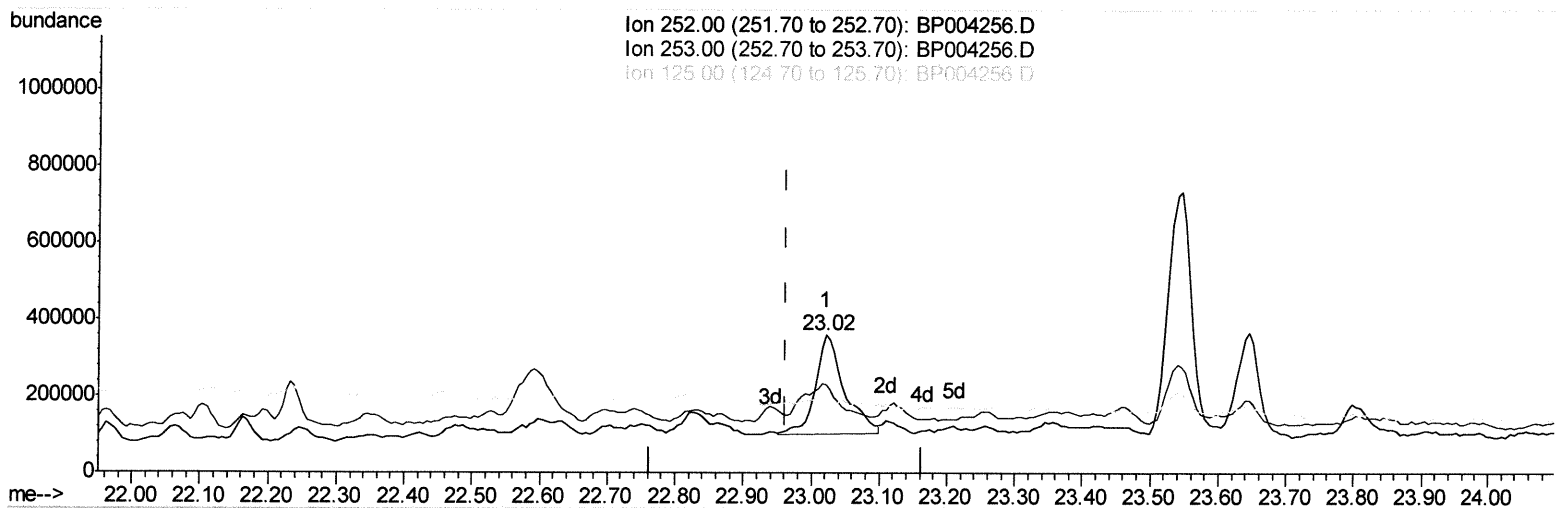
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

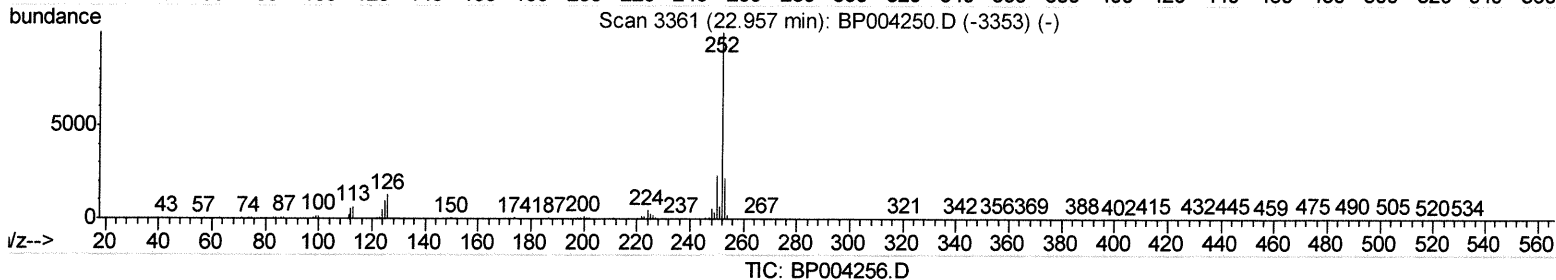
Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 07:35:27 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



Scan 3361 (22.957 min): BP004250.D (-3353) (-)



(88) Benzo(b)fluoranthene

23.021min (+0.059) 5.67ng/ul

response 762043

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	63.78#
125.00	9.60	54.52#
0.00	0.00	0.00

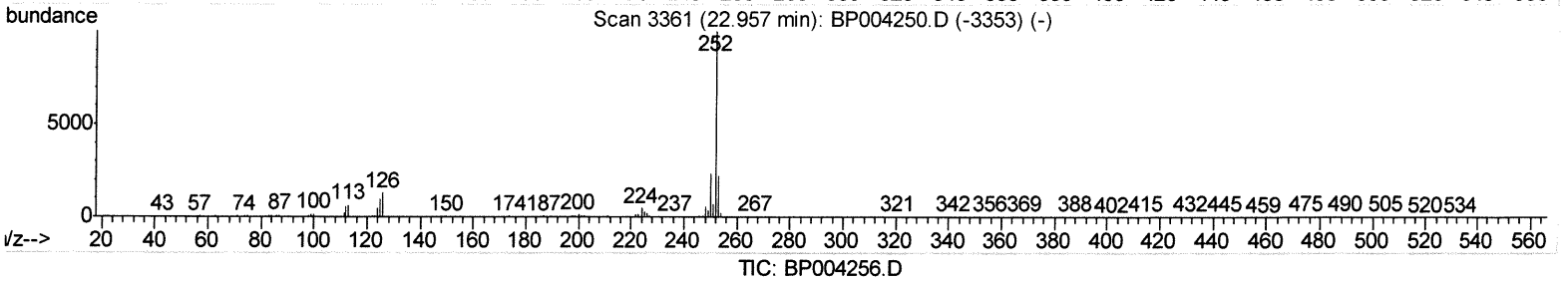
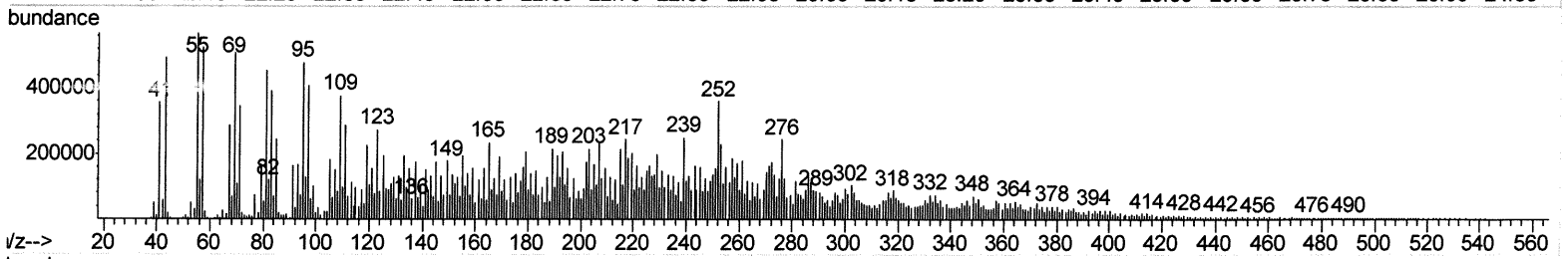
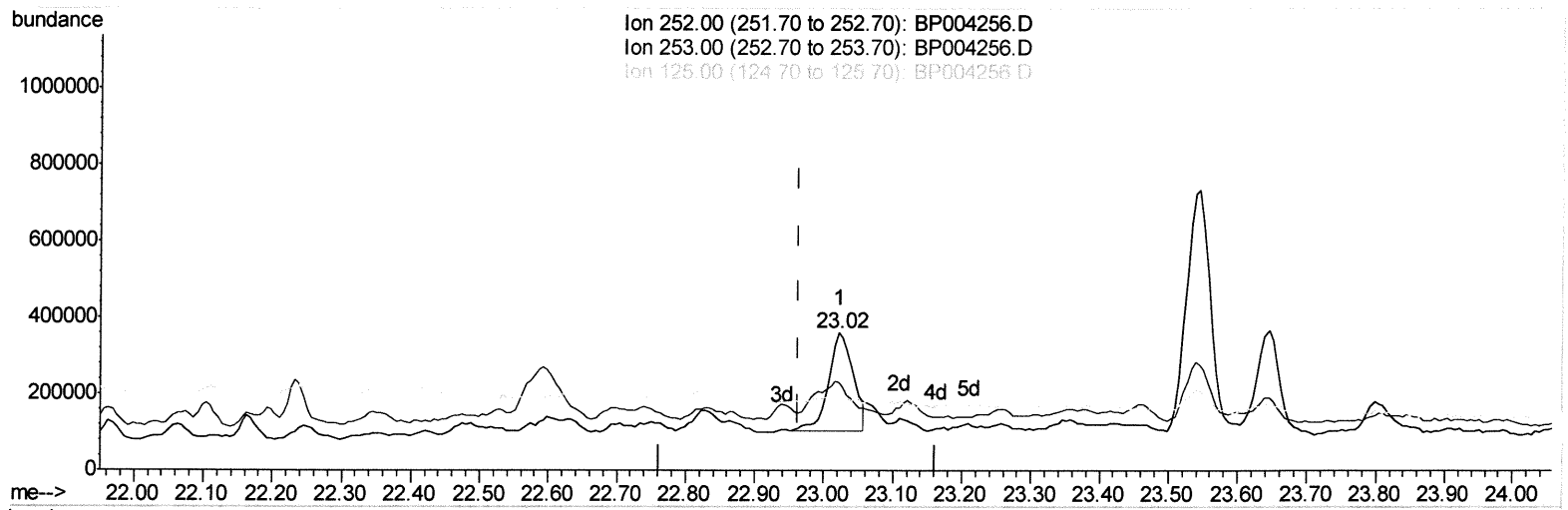
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 08:28:14 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

23.021min (+0.059) 4.84ng/ul m

response 650804

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	63.78#
125.00	9.60	54.52#
0.00	0.00	0.00

July 28/20

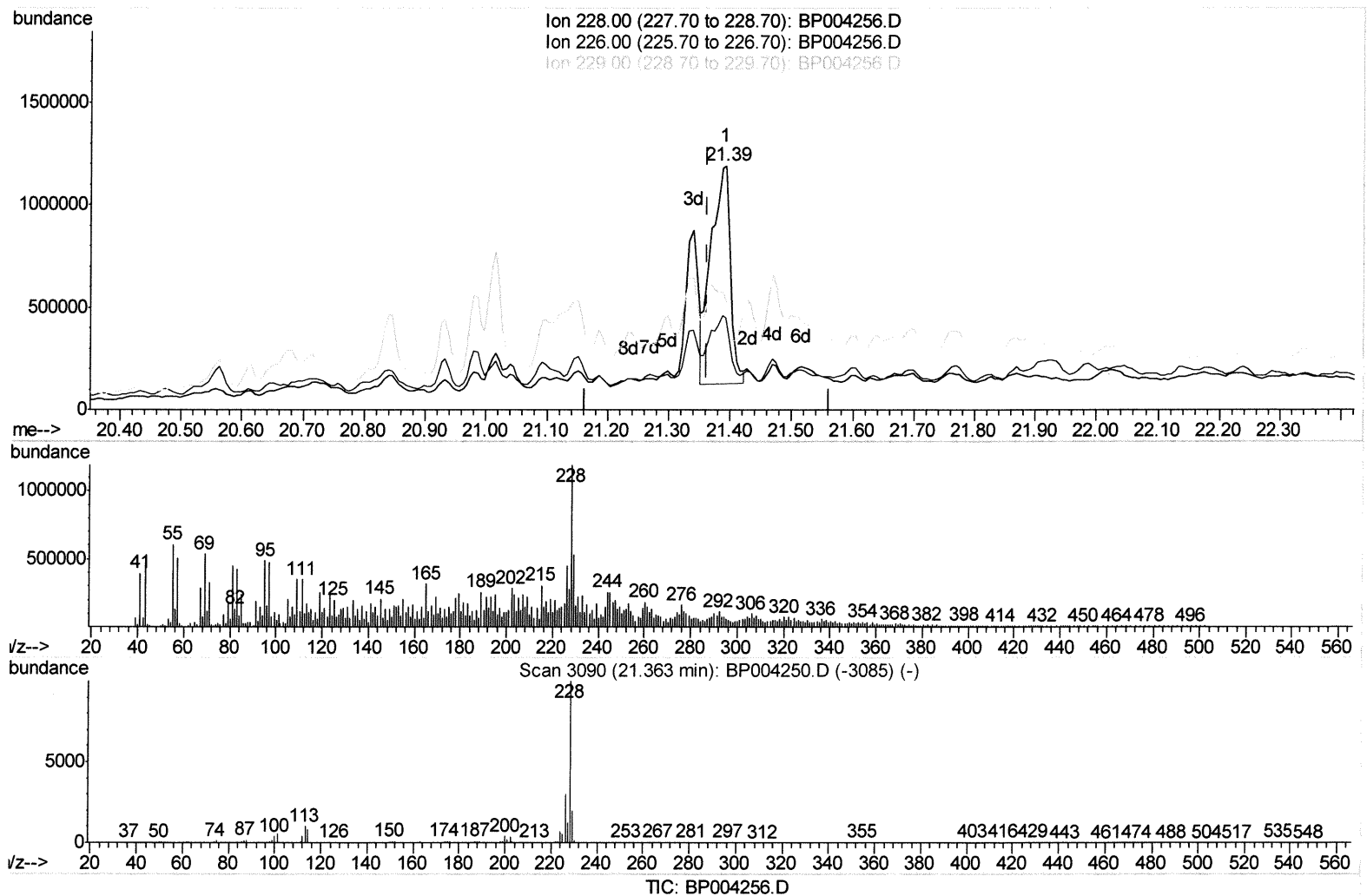
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 08:30:07 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

21.392min (+0.029) 21.25ng/ul

response 2352130

Ion	Exp%	Act%
228.00	100	100
226.00	30.20	37.96#
229.00	19.80	44.22#
0.00	0.00	0.00

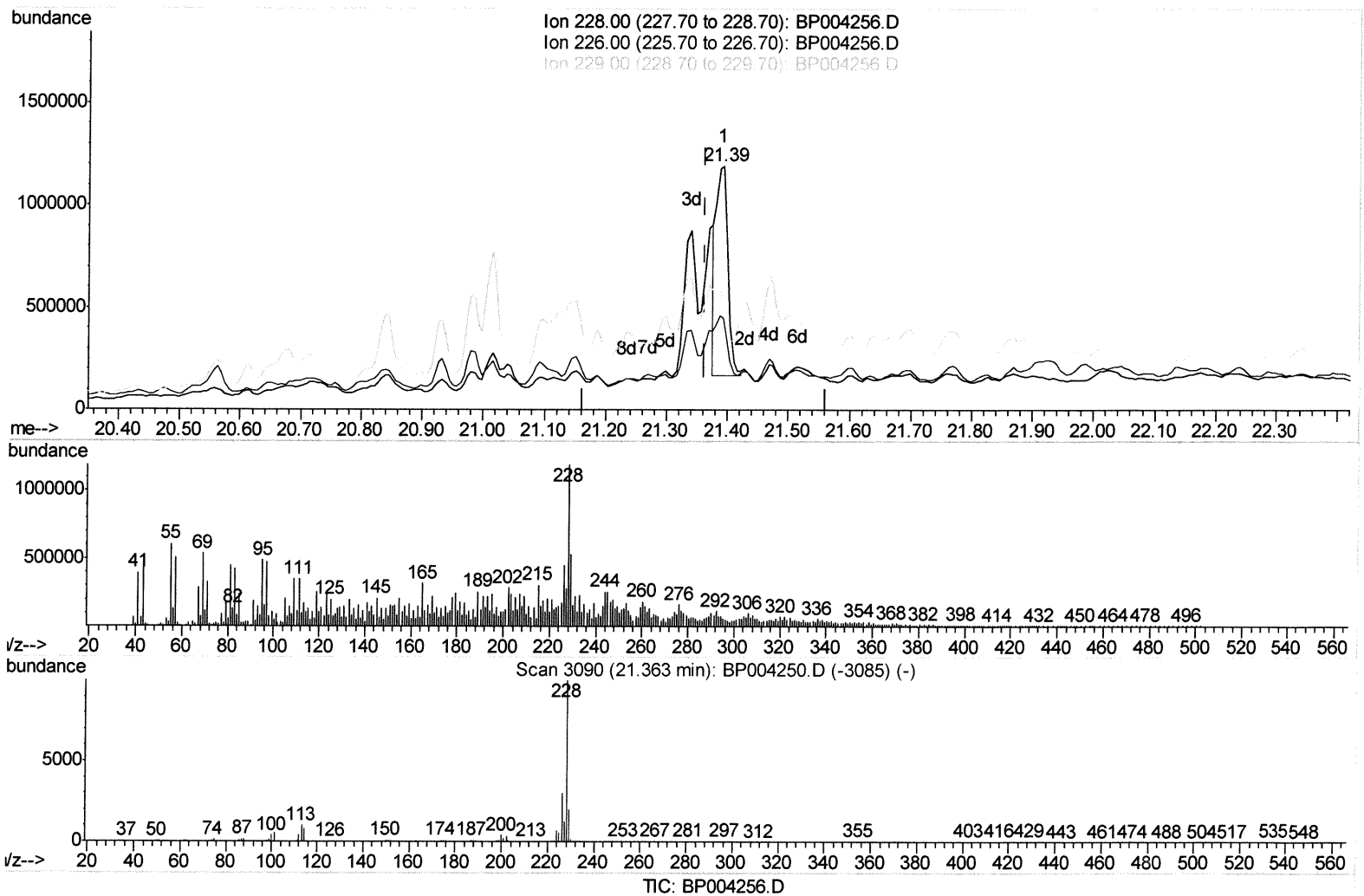
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 08:30:07 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

21.392min (+0.029) 12.43ng/ul m

response 1376292

Ion	Exp%	Act%
228.00	100	100
226.00	30.20	37.96#
229.00	19.80	44.22#
0.00	0.00	0.00

54 12 28 20

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
 Data File : BP004256.D
 Acq On : 12 Dec 2020 13:27
 Operator : CG/JU
 Sample : L5063-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD6

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:53 PM

Quant Time: Dec 14 14:32:09 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	376651	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1403217	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	872991	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.25	188	1732843	20.00	ng/ul	0.02
78) Chrysene-d12	21.35	240	1711801	20.00	ng/ul	0.03
86) Perylene-d12	23.75	264	2118862	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	23825	2.22	ng/uL	0.00
5) Phenol-d5	7.00	99	519279	16.67	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.17	67	291124	14.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	426583	18.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	386264	16.41	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	215748	18.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	224082	23.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	414254	19.88	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	1305028	50.51	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	1059593	15.88	ng/ul	0.01
47) Acenaphthylene-d8	14.18	160	1497111	17.58	ng/ul	0.02
52) 4-Nitrophenol-d4	14.69	143	251833m	22.35	ng/ul	0.03
58) Fluorene-d10	15.49	176	1011324	16.74	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.60	200	39793	4.79	ng/ul	0.02
71) Anthracene-d10	17.35	188	1528736	18.10	ng/ul	0.02
79) Pyrene-d10	19.60	212	1772369	19.87	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.60	264	1996277	17.88	ng/ul	0.08

Target Compounds

					Ovalue	
6) Phenol	7.02	94	41037	1.261	ng/ul	93
24) 2,4-Dimethylphenol	9.85	107	57502m	2.351	ng/ul	93
28) Naphthalene	10.69	128	1145634	14.401	ng/ul#	91
34) 2-Methylnaphthalene	12.30	142	5396836	100.837	ng/ul	97
41) 1,1'-Biphenyl	13.32	154	700107	9.563	ng/ul	99
45) Dimethylphthalate	13.94	163	190906	2.809	ng/ul#	70
48) Acenaphthylene	14.22	152	360213m	4.262	ng/ul	
50) Acenaphthene	14.55	153	789321m	13.191	ng/ul	
54) Dibenzofuran	14.89	168	687841m	8.158	ng/ul	
59) Fluorene	15.55	166	898430	13.323	ng/ul#	89
70) Phenanthrene	17.30	178	10622710	103.909	ng/ul#	94
72) Anthracene	17.39	178	1251866	12.377	ng/ul#	88
77) Fluoranthene	19.27	202	1767681	16.194	ng/ul#	95
80) Pyrene	19.63	202	8770383	75.954	ng/ul#	93
83) Benzo(a)anthracene	21.34	228	1048912	9.296	ng/ul#	31
85) Chrysene	21.39	228	1376292m	12.433	ng/ul	
88) Benzo(b)fluoranthene	23.02	252	650804m	4.843	ng/ul	
91) Benzo(a)pyrene	23.64	252	582419	4.645	ng/ul#	25
92) Indeno(1,2,3-cd)pyrene	26.19	276	273802	1.741	ng/ul#	52
93) Dibenzo(a,h)anthracene	26.20	278	153497	1.165	ng/ul#	1
94) Benzo(a,h,i)perylene	26.95	276	446601	3.385	ng/ul#	65

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
Data File : BP004256.D
Acq On : 12 Dec 2020 13:27
Operator : CG/JU
Sample : L5063-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AD6

Manual Integrations
APPROVED

mohammad
12/14/2020 2:45:53 PM

Quant Time: Dec 14 14:32:09 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)

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