

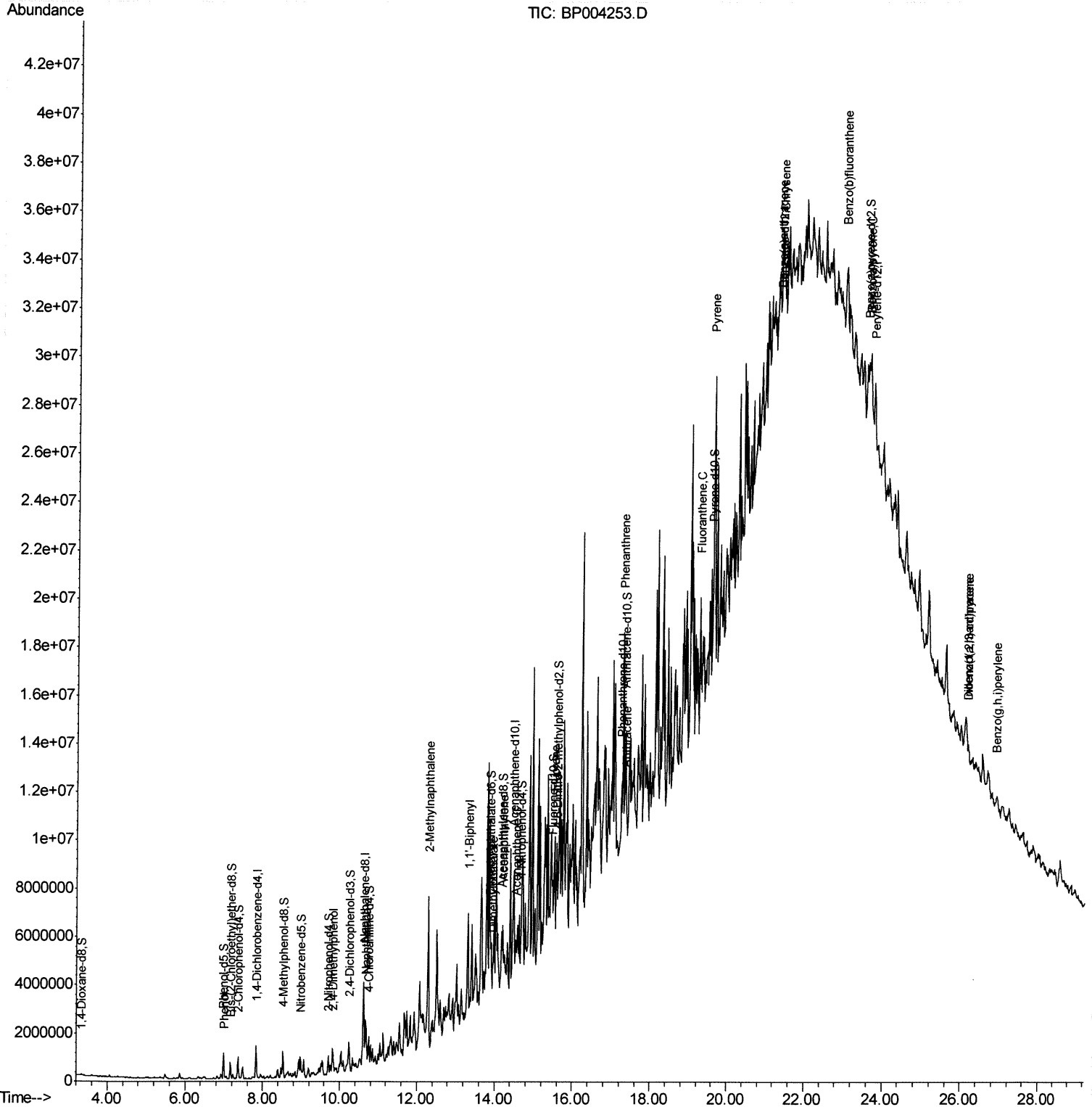
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
Data File : BP004253.D
Acq On : 12 Dec 2020 11:45
Operator : CG/JU
Sample : L5063-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampled :
C0AD9

Quant Time: Dec 14 14:25:28 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 2:45:37 PM



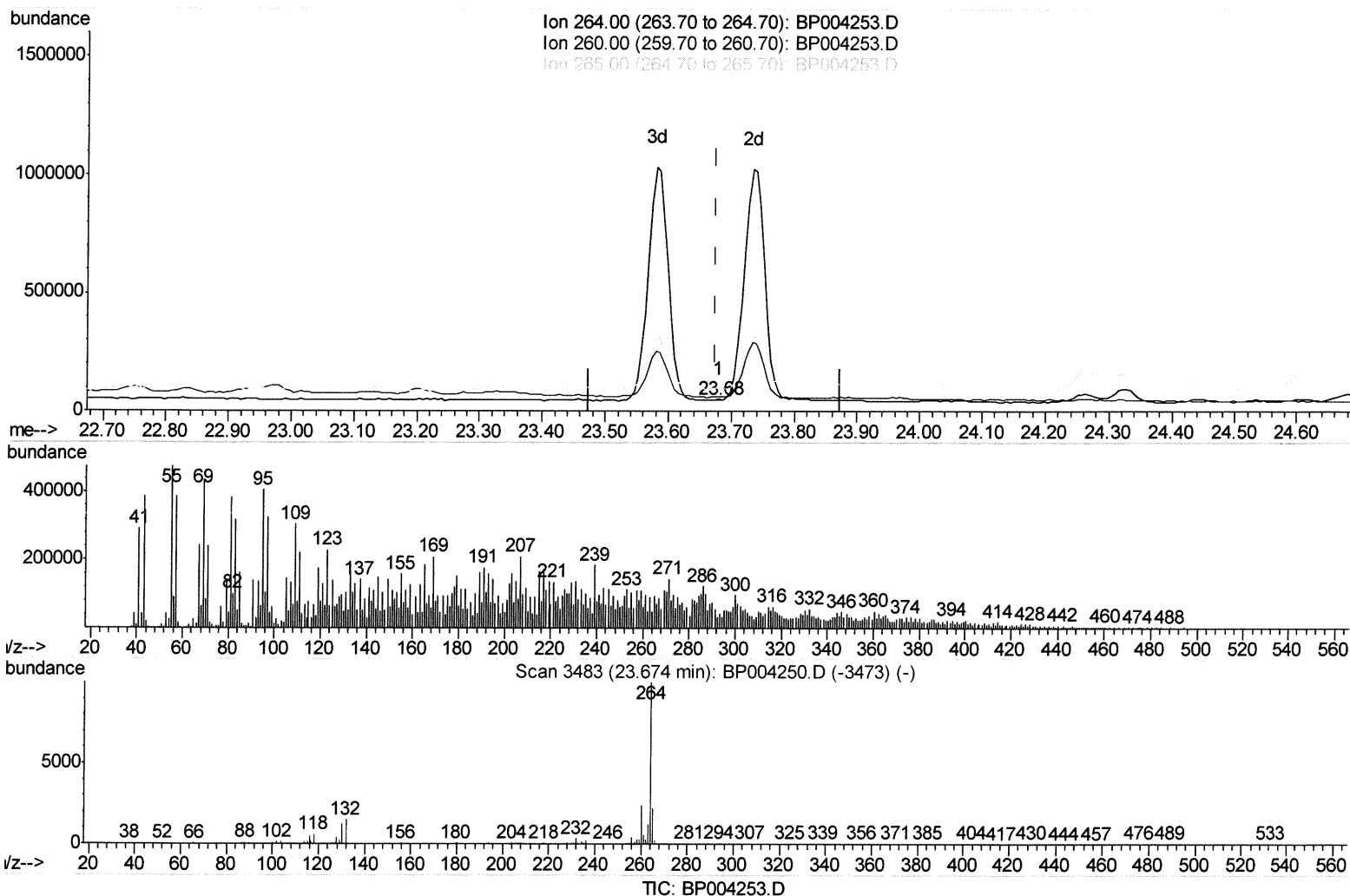
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 01:44:06 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



(86) Perylene-d12 (I)

23.680min (+0.006) 20.00ng/ul

response 2529

Ion	Exp%	Act%
264.00	100	100
260.00	23.80	121.59#
265.00	21.50	191.14#
0.00	0.00	0.00

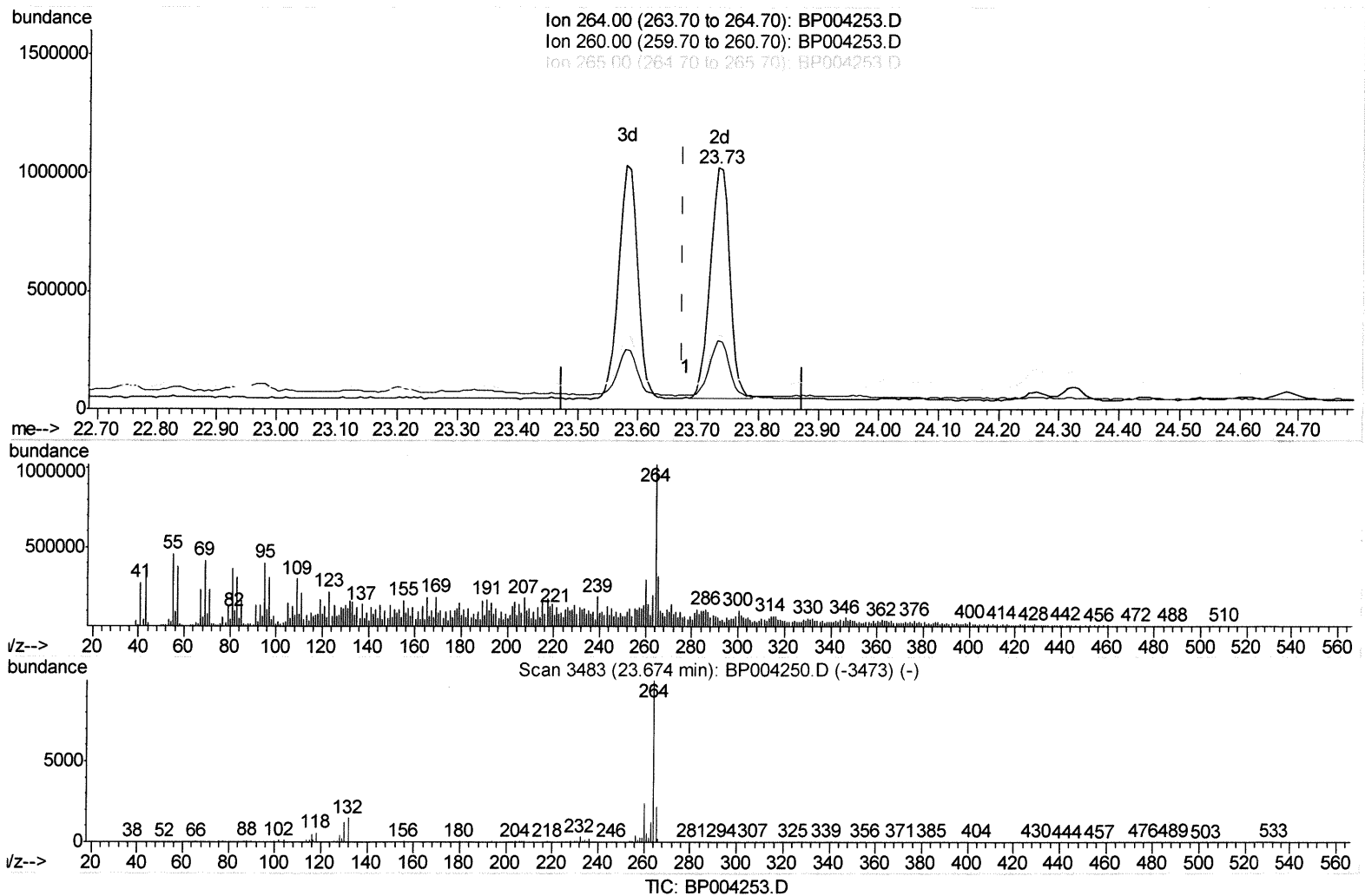
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 01:44:06 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



(86) Perylene-d12 (I)

23.733min (+0.059) 20.00ng/ul m

response 2199279

Ion	Exp%	Act%
264.00	100	100
260.00	23.80	28.50
265.00	21.50	30.58#
0.00	0.00	0.00

JU 12/28/20

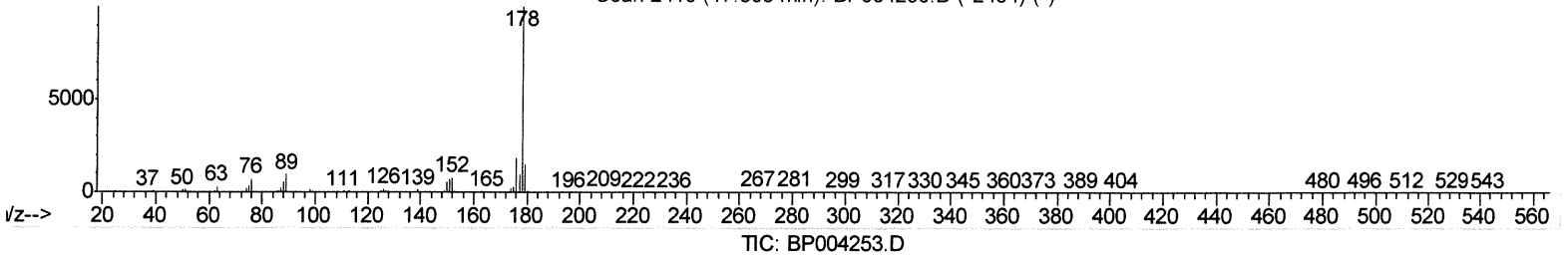
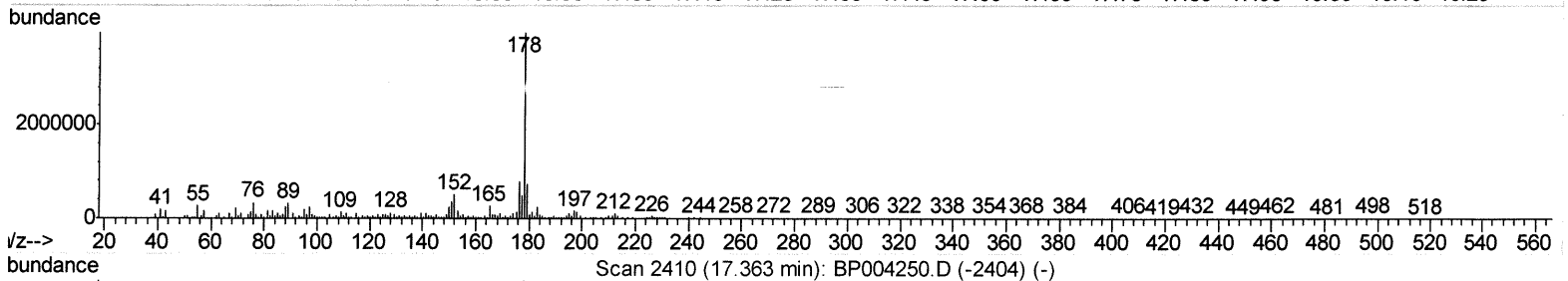
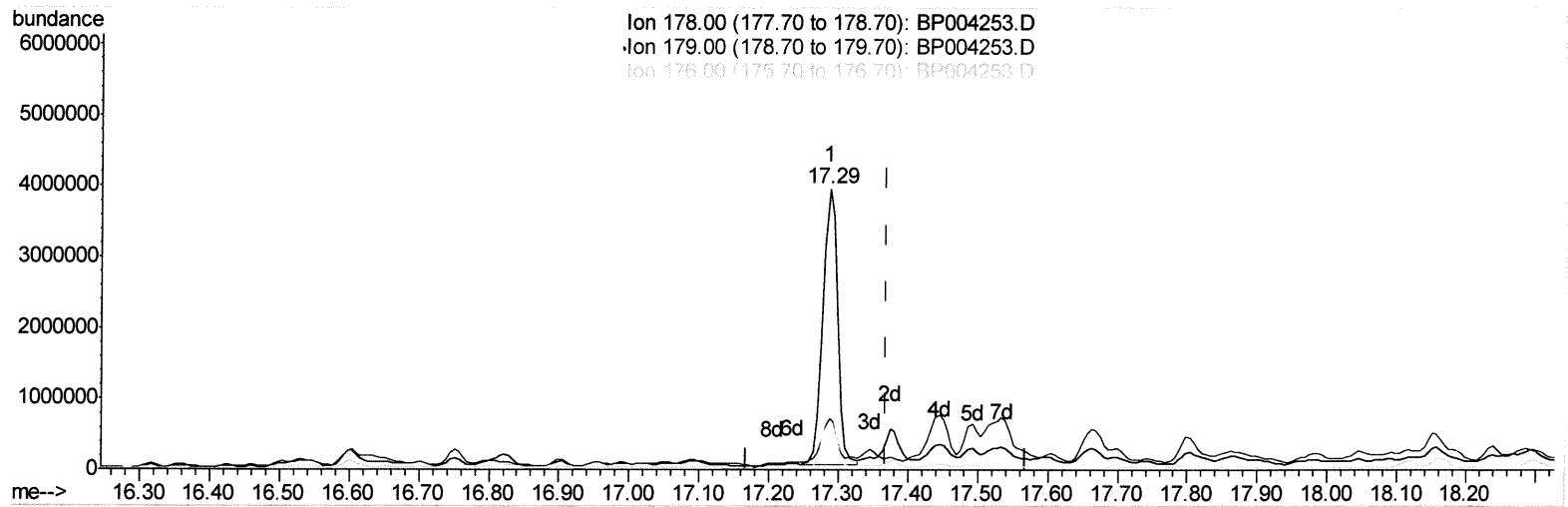
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 01:49:45 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

17.286min (-0.082) 56.85ng/ul

response 5756705

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	18.24
176.00	18.60	20.09
0.00	0.00	0.00

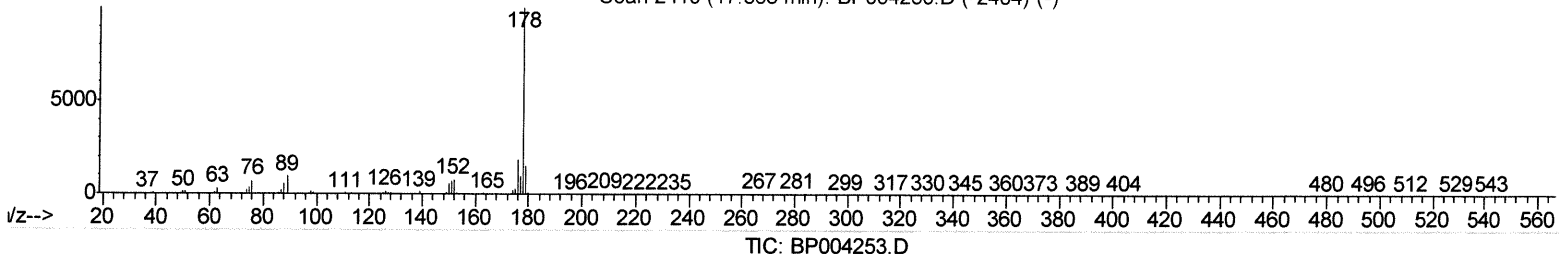
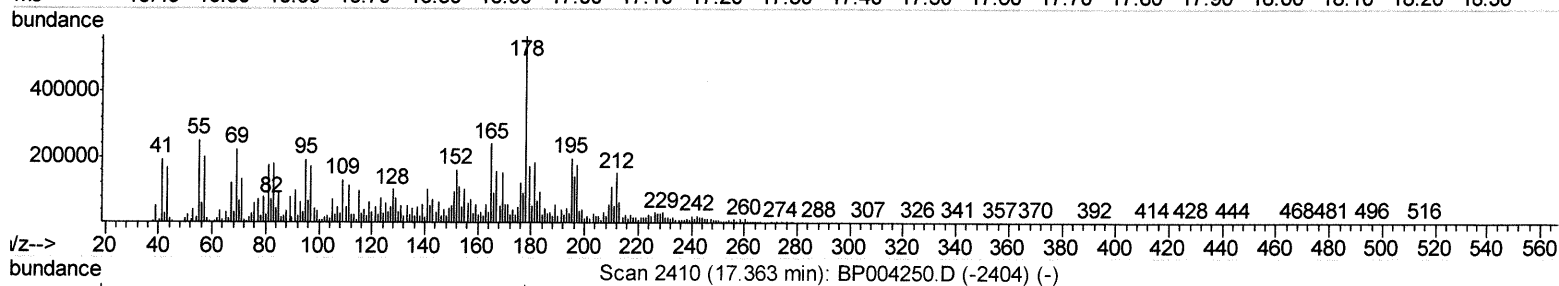
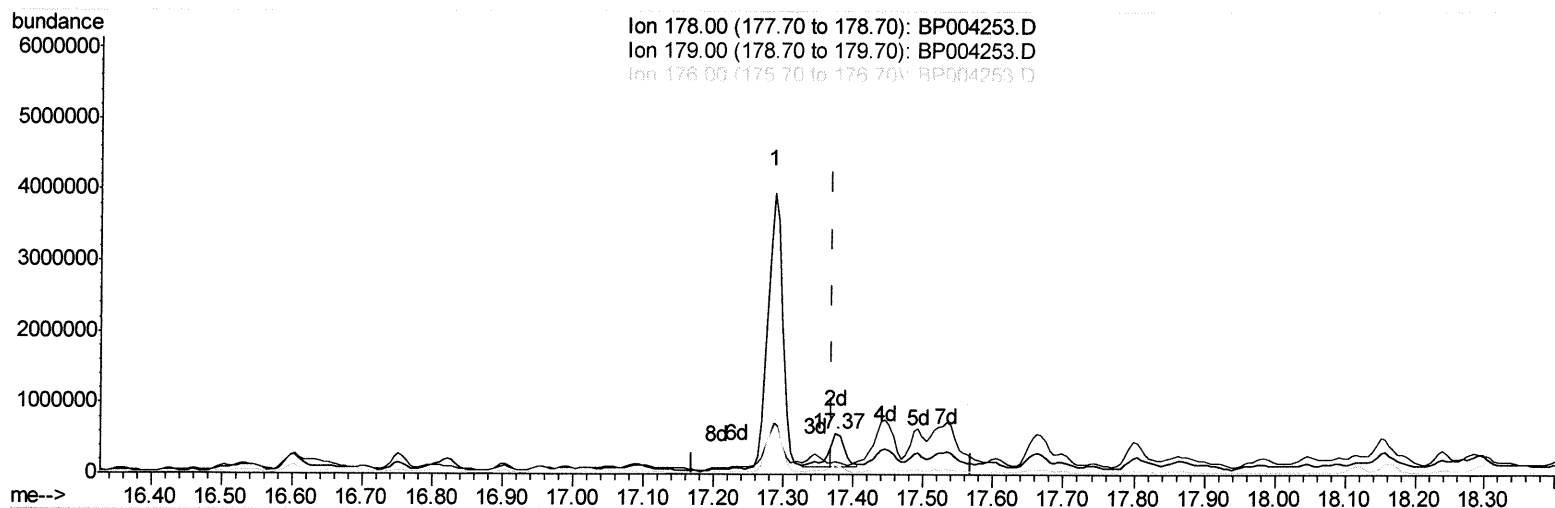
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 01:49:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
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 Response via : Initial Calibration



(72) Anthracene

17.375min (+0.006) 7.44ng/ul m

response 753539

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	30.28#
176.00	18.60	20.92
0.00	0.00	0.00

July 28/20

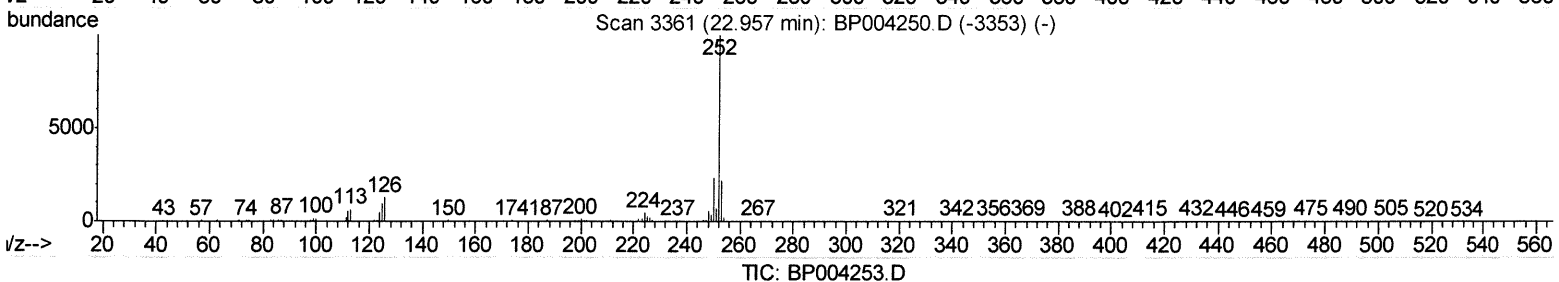
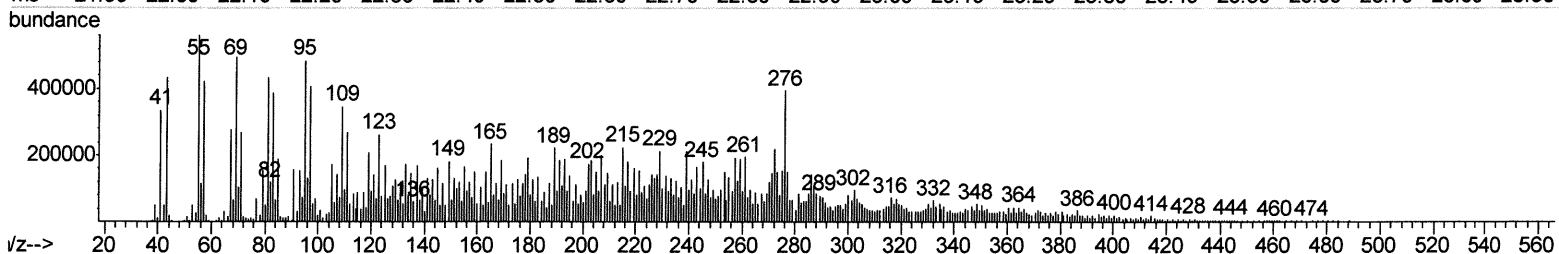
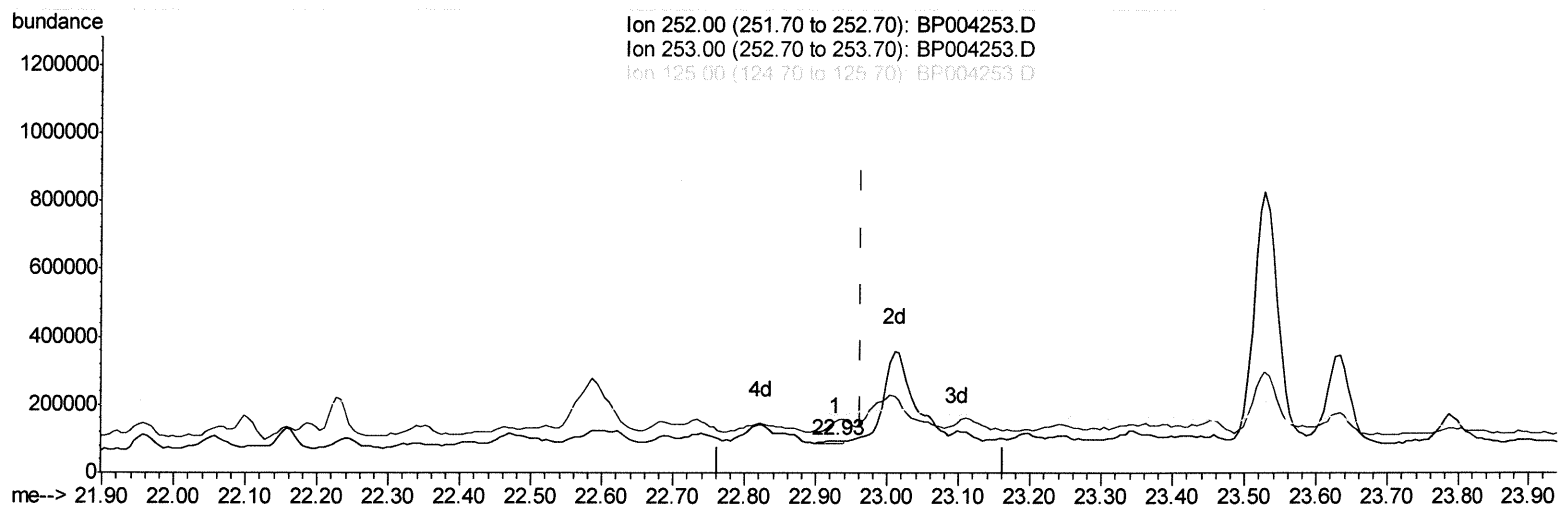
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:01:04 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

22.927min (-0.035) 0.09ng/ul

response 12398

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	159.84#
125.00	9.60	180.54#
0.00	0.00	0.00

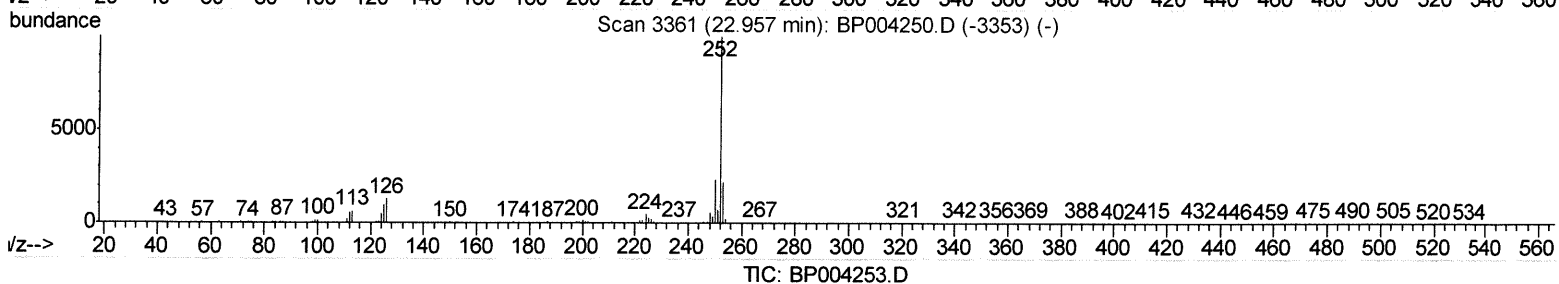
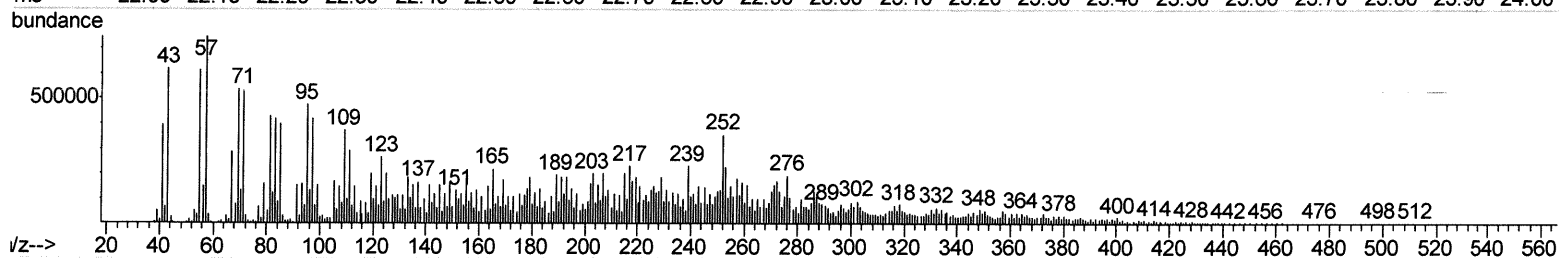
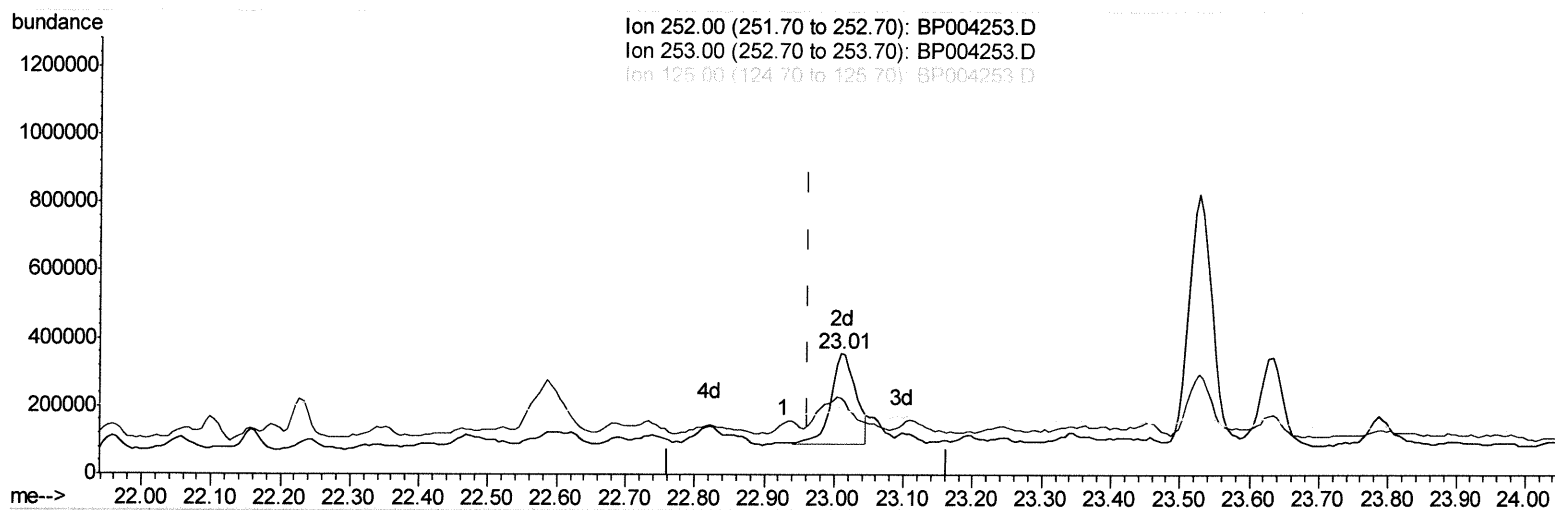
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:03:05 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) 4.88ng/ul m

response 680660

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	63.63#
125.00	9.60	55.78#
0.00	0.00	0.00

Handwritten signature: JU 12/28/20

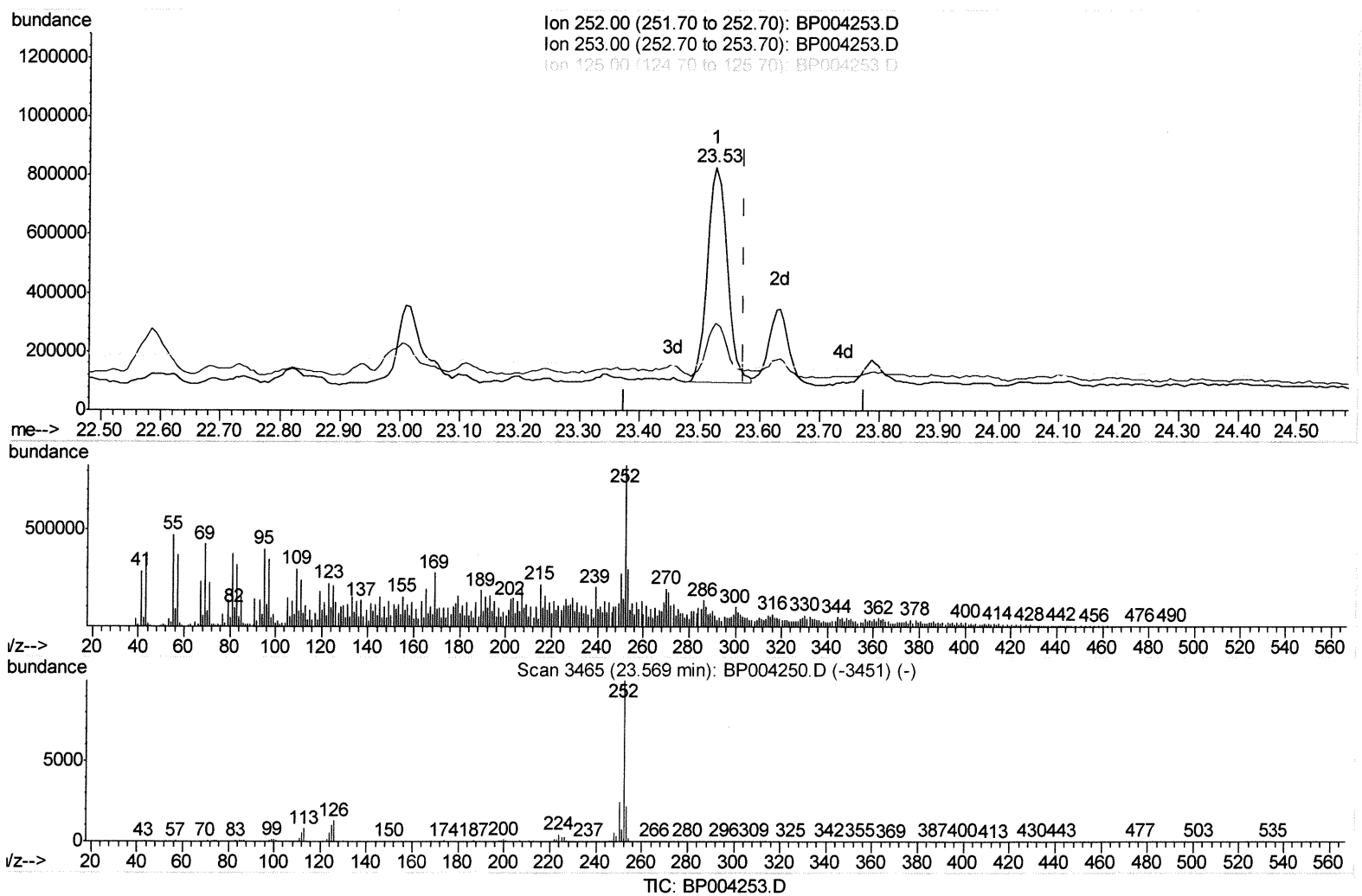
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:03:05 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



(91) Benzo(a)pyrene (C)

23.527min (-0.047) 12.91ng/ul

response 1680061

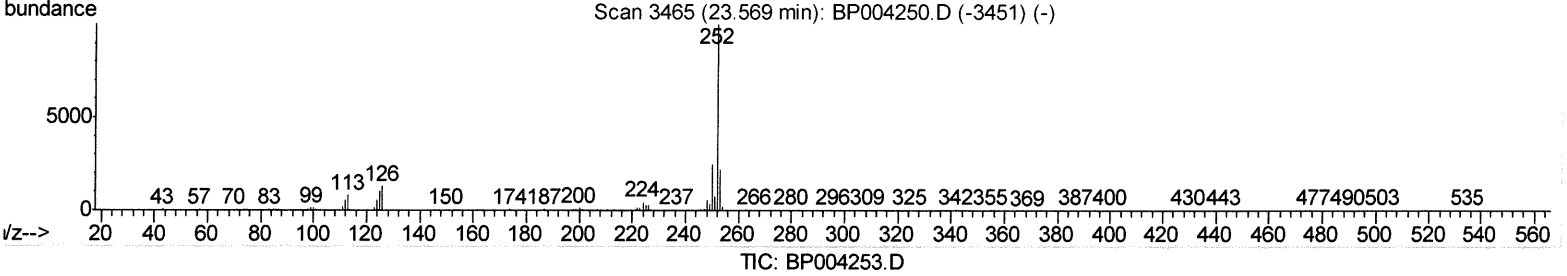
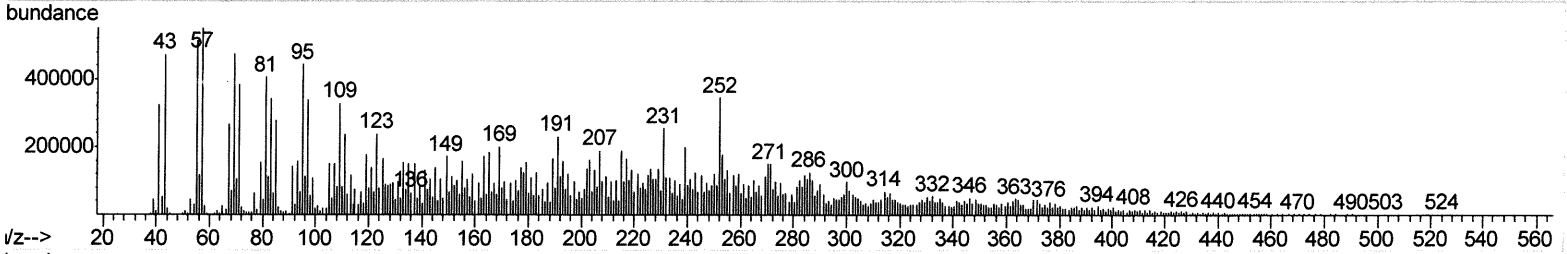
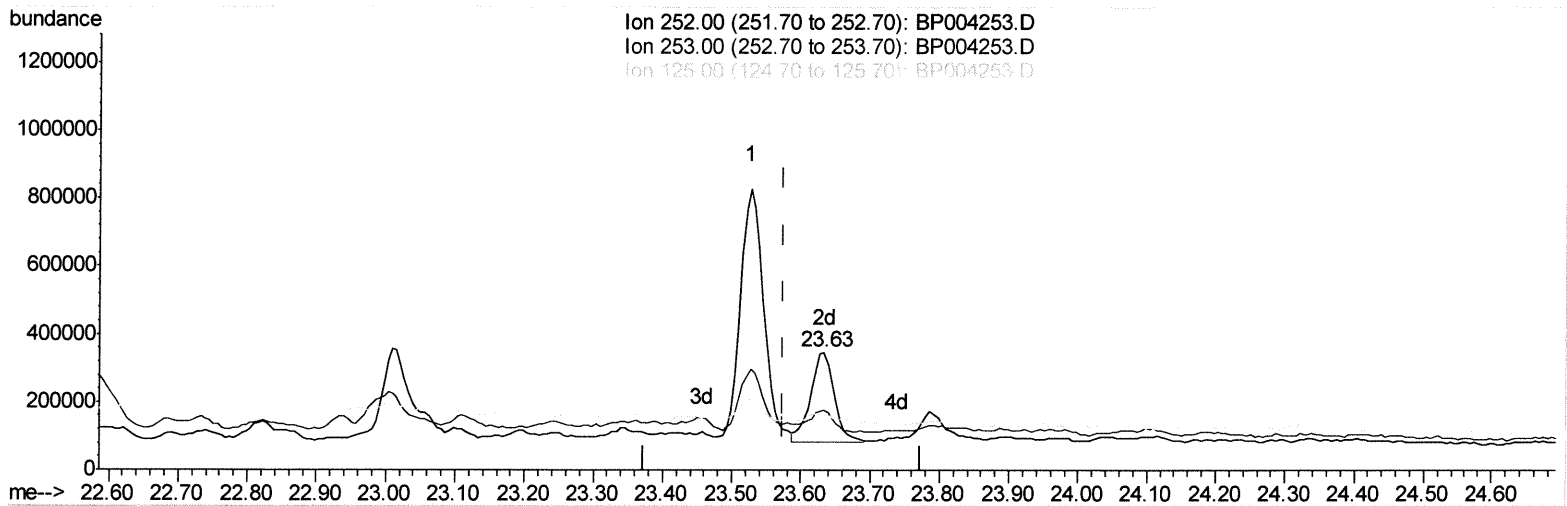
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	35.88#
125.00	9.70	25.26#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED
 mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:03:05 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



(91) Benzo(a)pyrene (C)
 23.633min (+0.059) 4.77ng/ul m
 response 620489
JU 12/14/20

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	51.05#
125.00	9.70	47.63#
0.00	0.00	0.00

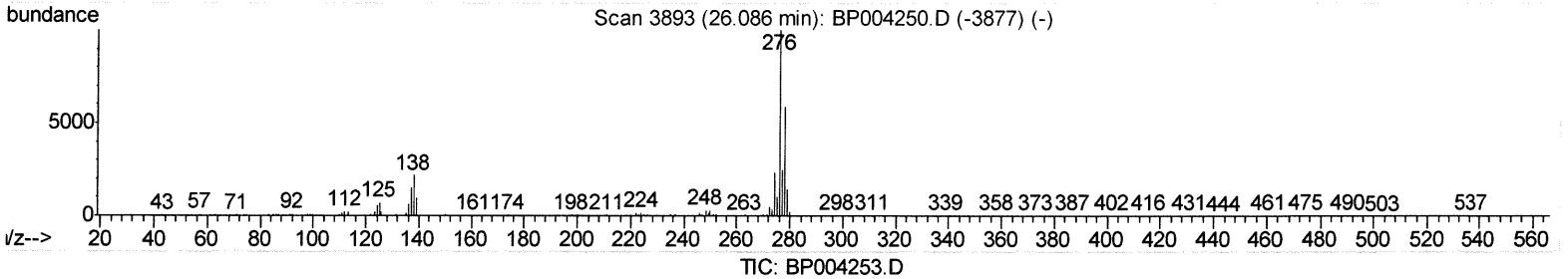
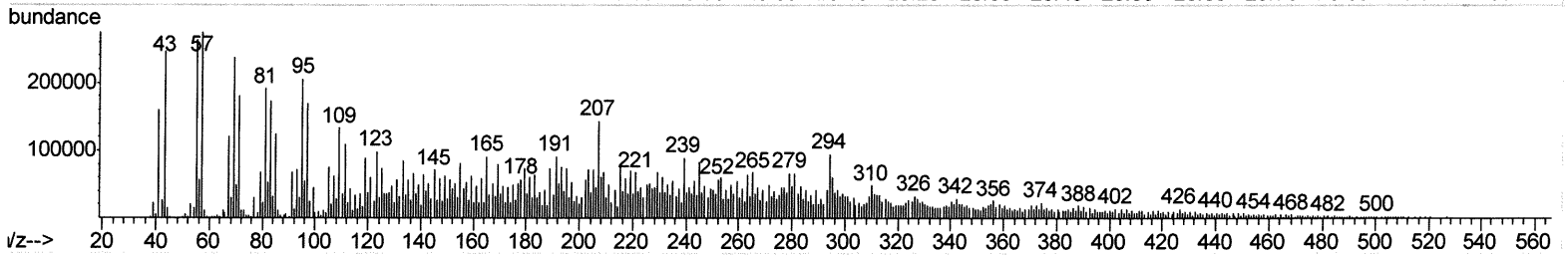
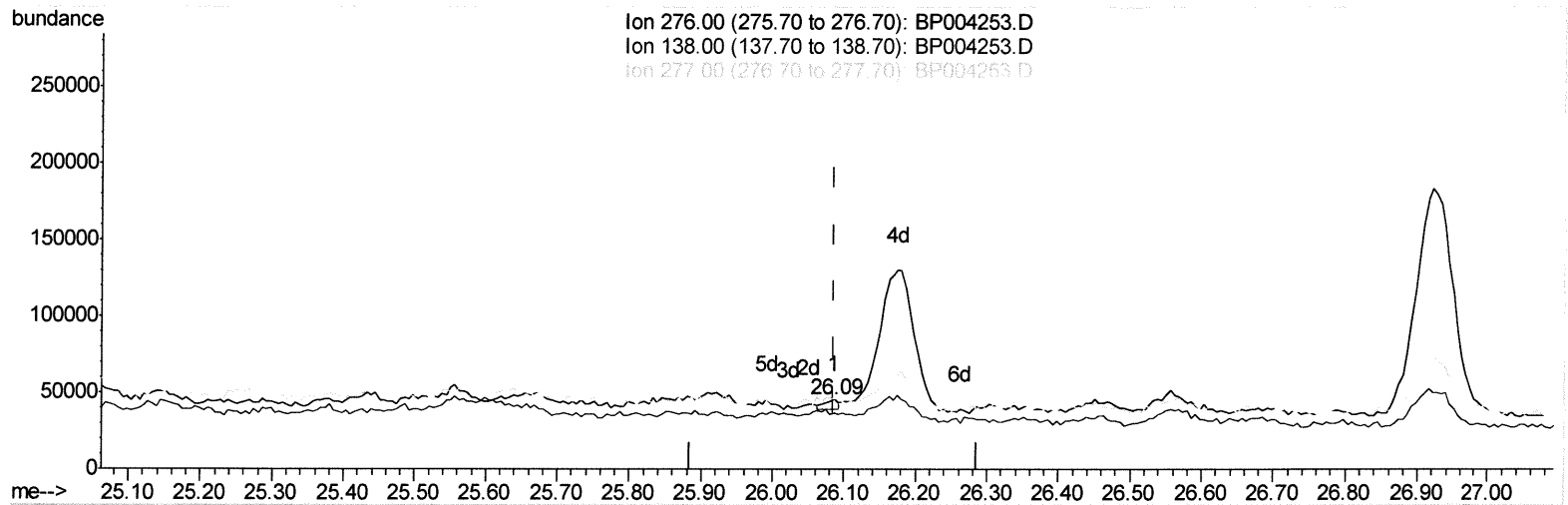
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:04:28 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



(92) Indeno(1,2,3-cd)pyrene

26.086min (-0.000) 0.05ng/ul

response 8313

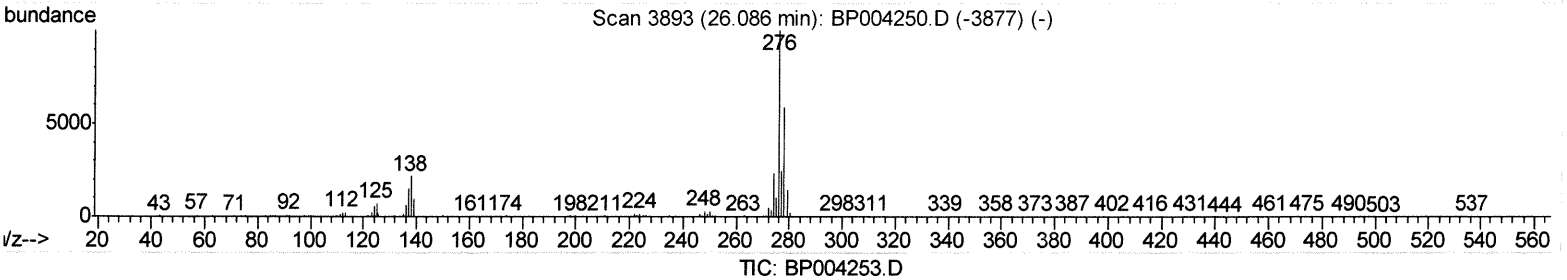
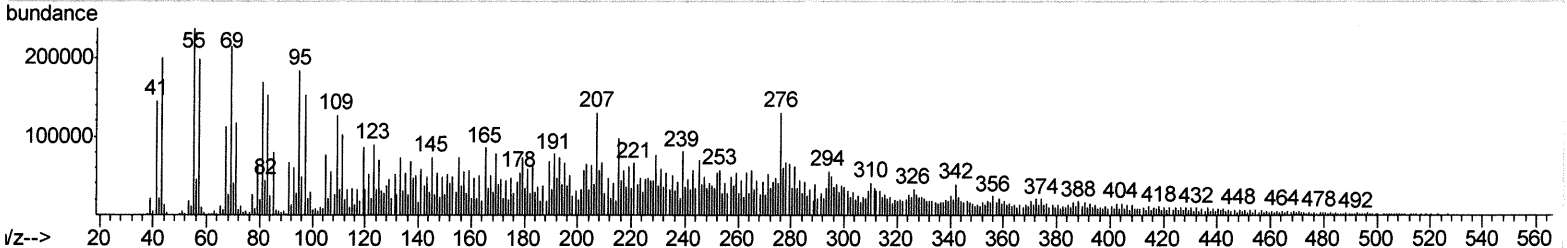
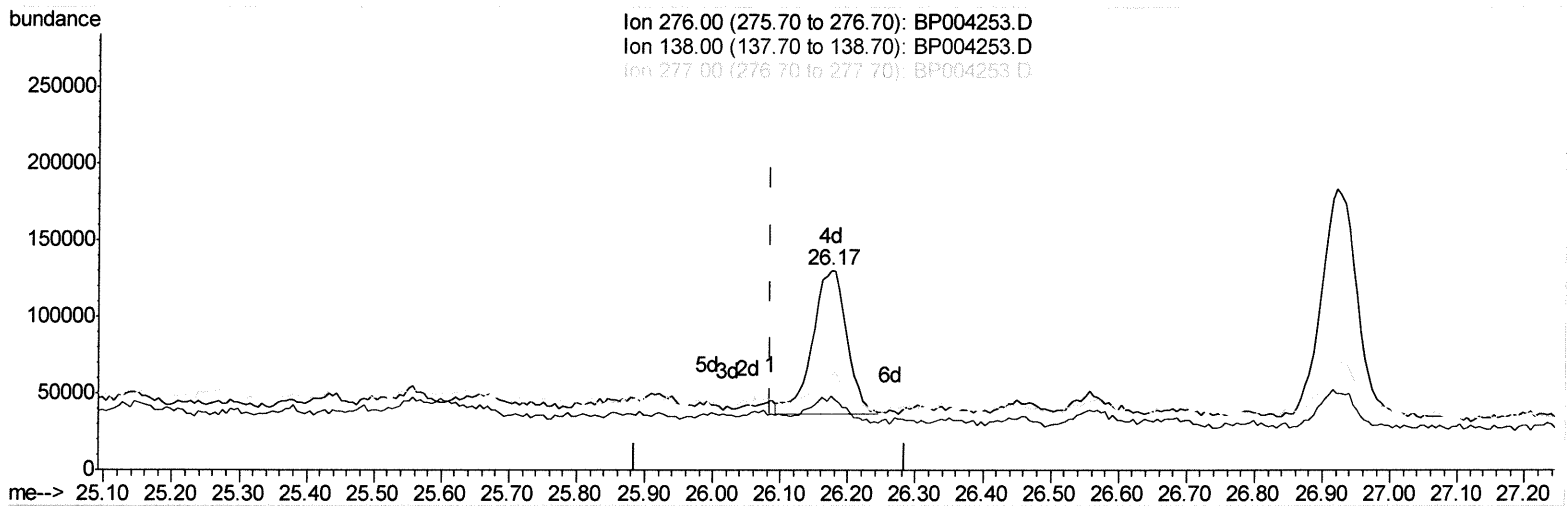
Ion	Exp%	Act%
276.00	100	100
138.00	22.20	79.59#
277.00	24.70	100.67#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004253.D
Acq On : 12 Dec 2020 11:45
Operator : CG/JU
Sample : L5063-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AD9

Manual Integrations
APPROVED
mohammad
12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:04:28 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



(92) Indeno(1,2,3-cd)pyrene

26.174min (+0.088) 2.03ng/ul m

response 331090

Ion	Exp%	Act%
276.00	100	100
138.00	22.20	36.88#
277.00	24.70	46.62#
0.00	0.00	0.00

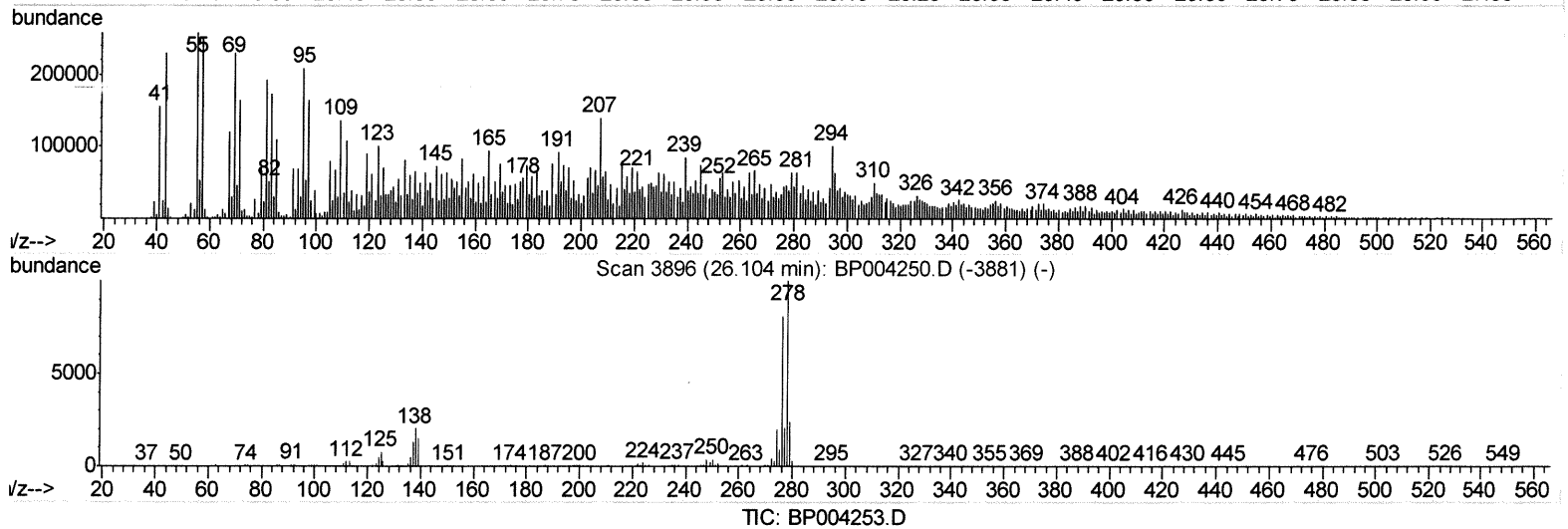
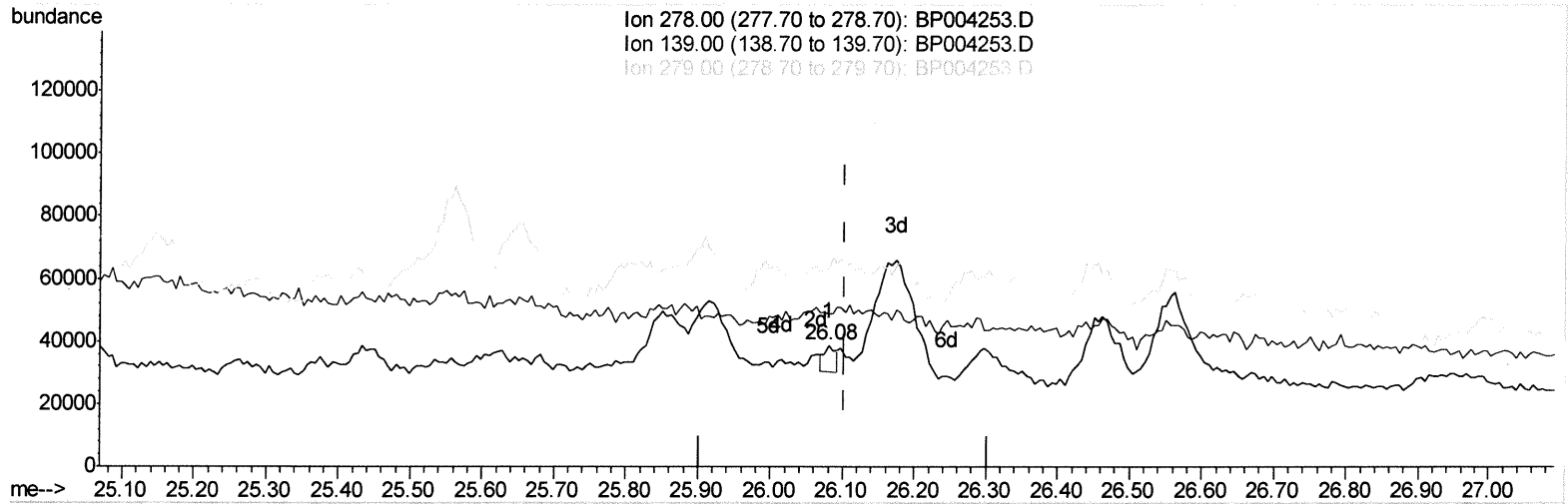
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
Data File : BP004253.D
Acq On : 12 Dec 2020 11:45
Operator : CG/JU
Sample : L5063-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AD9

Manual Integrations
APPROVED

mohammad
12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:04:28 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



(93) Dibenzo(a,h)anthracene

26.080min (-0.024) 0.07ng/ul

response 9679

Ion	Exp%	Act%
278.00	100	100
139.00	14.90	126.46#
279.00	23.30	163.78#
0.00	0.00	0.00

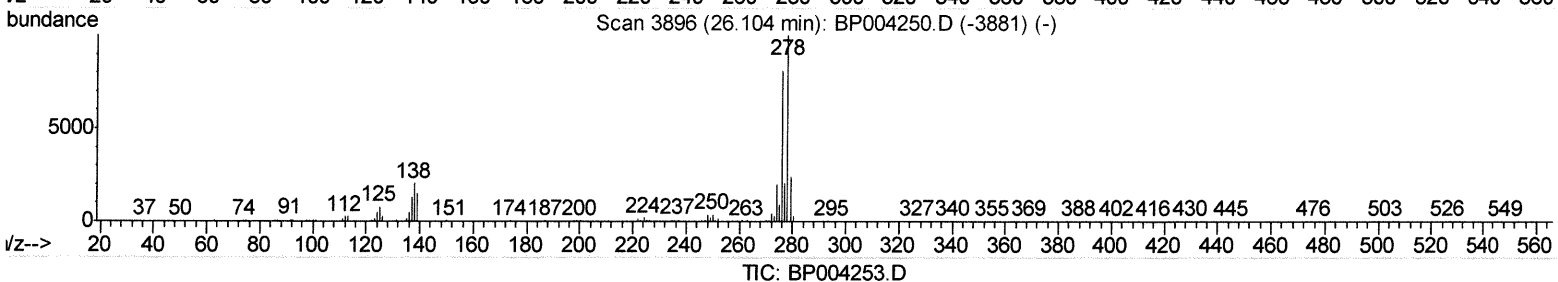
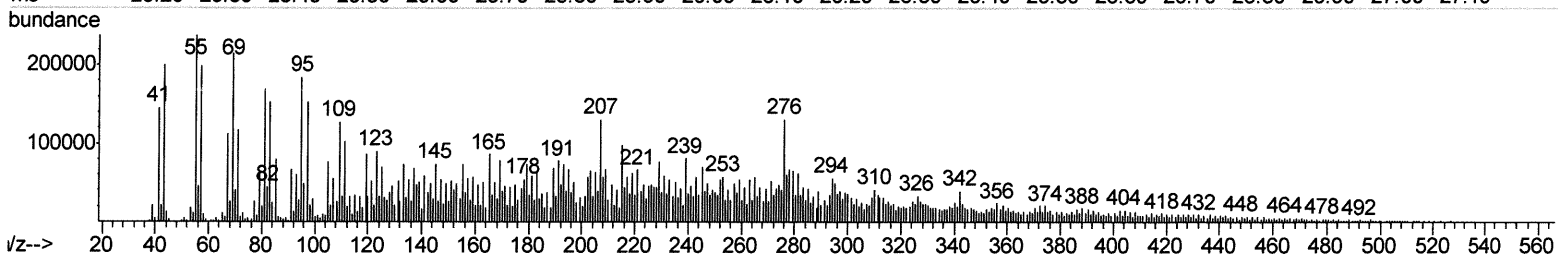
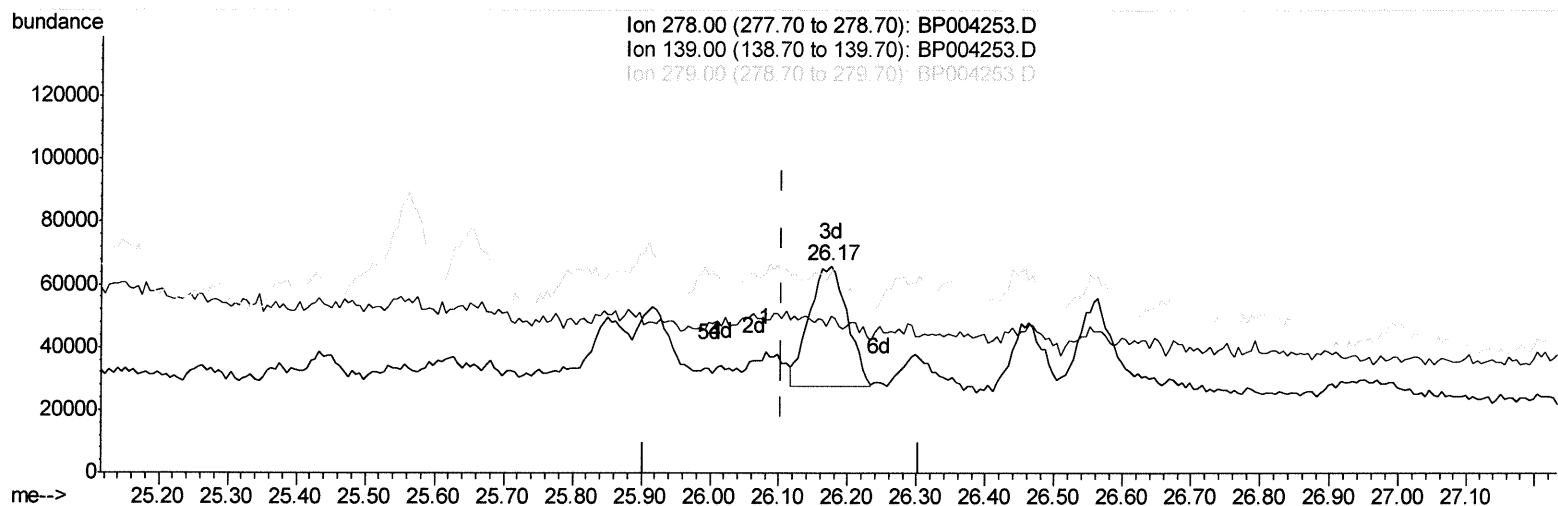
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:04:28 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



(93) Dibenzo(a,h)anthracene

26.174min (+0.071) 1.08ng/ul m

response 147544

Ion	Exp%	Act%
278.00	100	100
139.00	14.90	76.01#
279.00	23.30	97.62#
0.00	0.00	0.00

Handwritten signature: JU 12/14/20

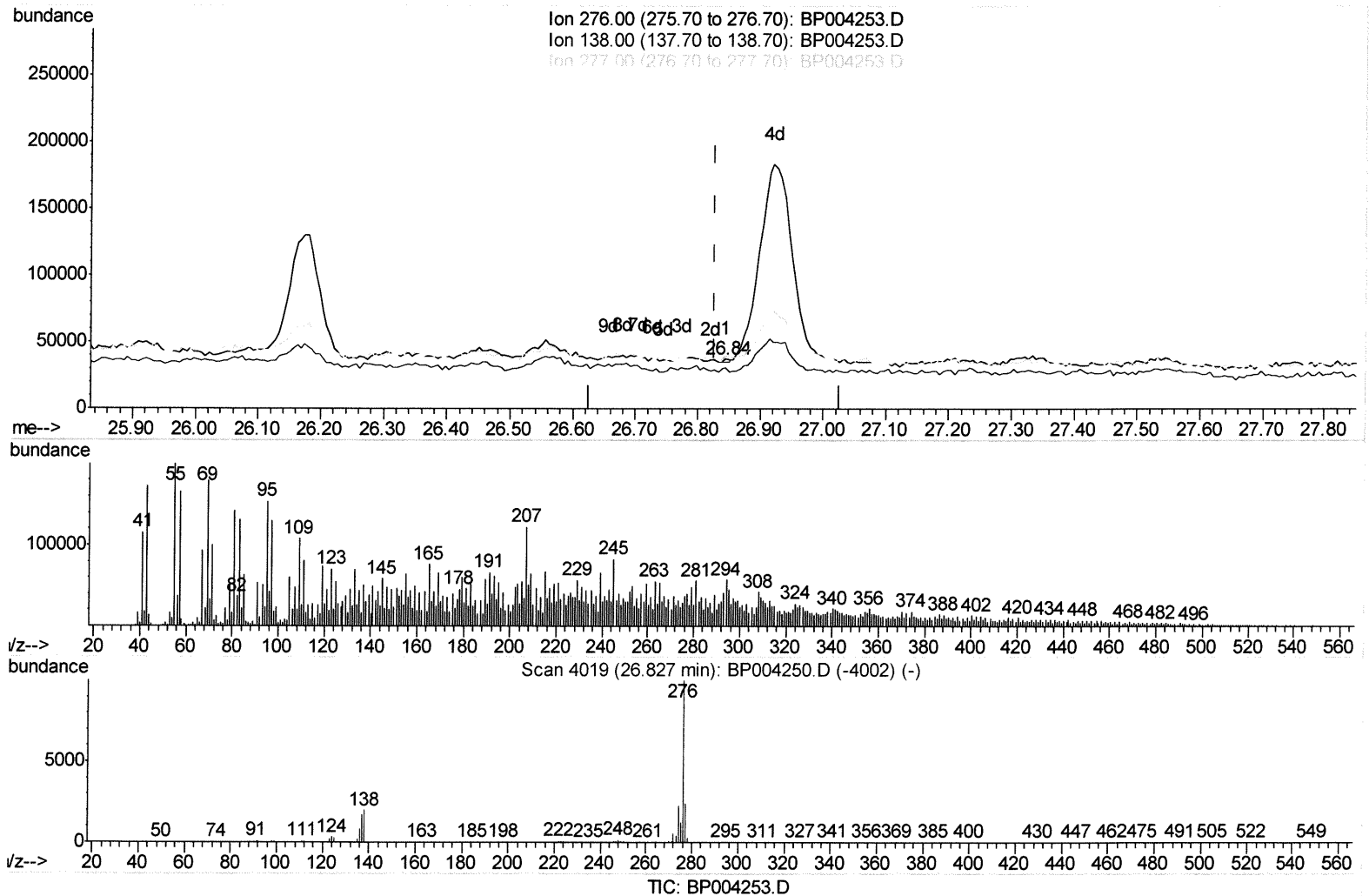
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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Quant Time: Dec 14 02:04:28 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



(94) Benzo(g,h,i)perylene

26.845min (+0.018) 0.01ng/ul

response 1584

Ion	Exp%	Act%
276.00	100	100
138.00	20.80	81.39#
277.00	23.10	106.32#
0.00	0.00	0.00

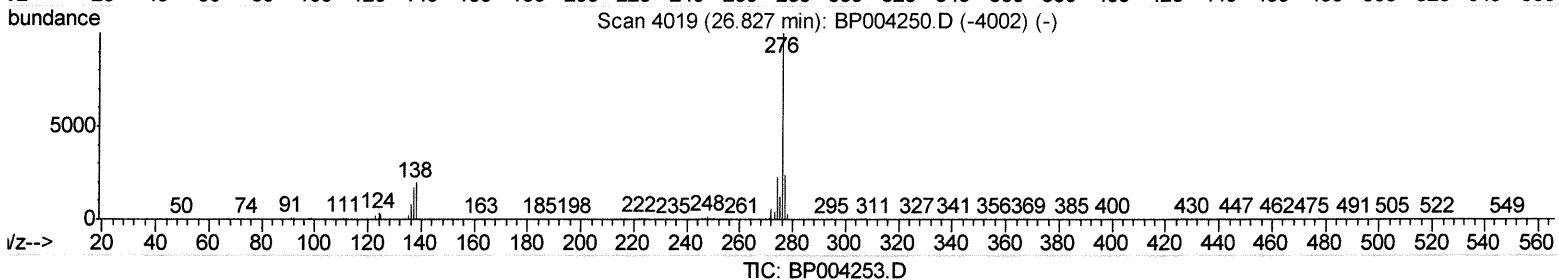
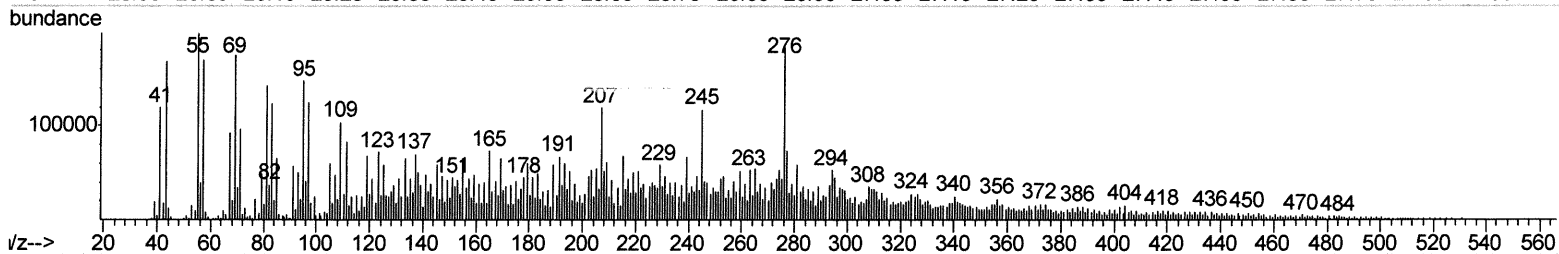
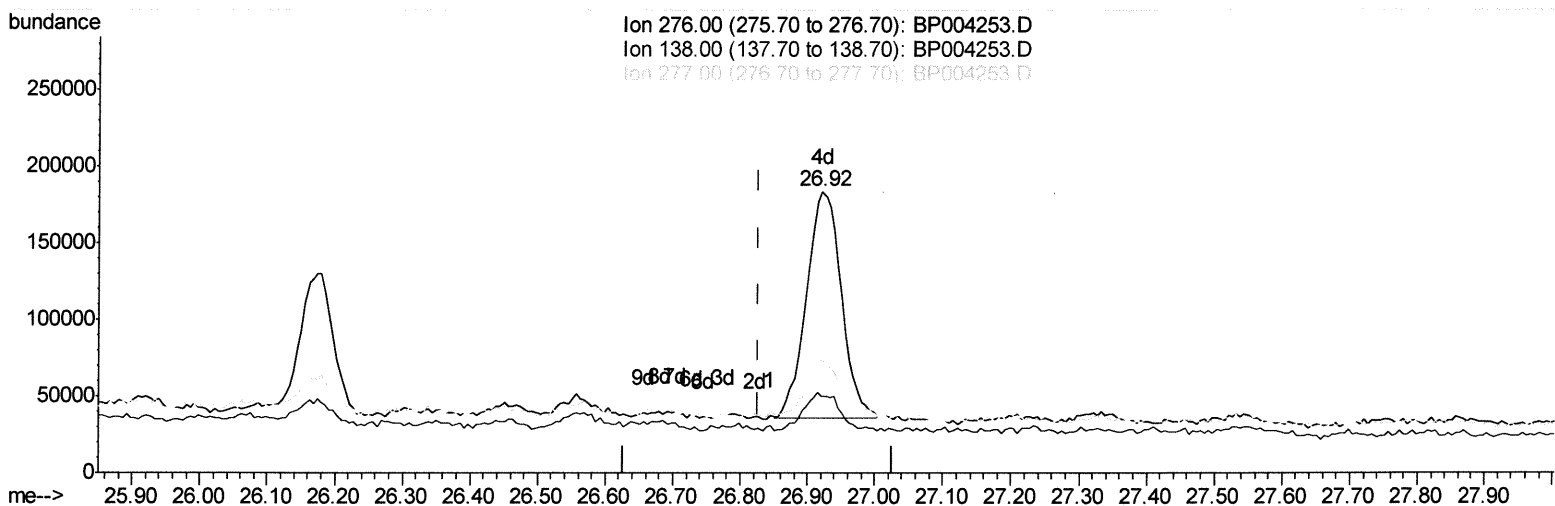
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:04:28 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



(94) Benzo(g,h,i)perylene

26.921min (+0.094) 3.85ng/ul m

response 527780

Ion	Exp%	Act%
276.00	100	100
138.00	20.80	27.37#
277.00	23.10	40.33#
0.00	0.00	0.00

July 28/20

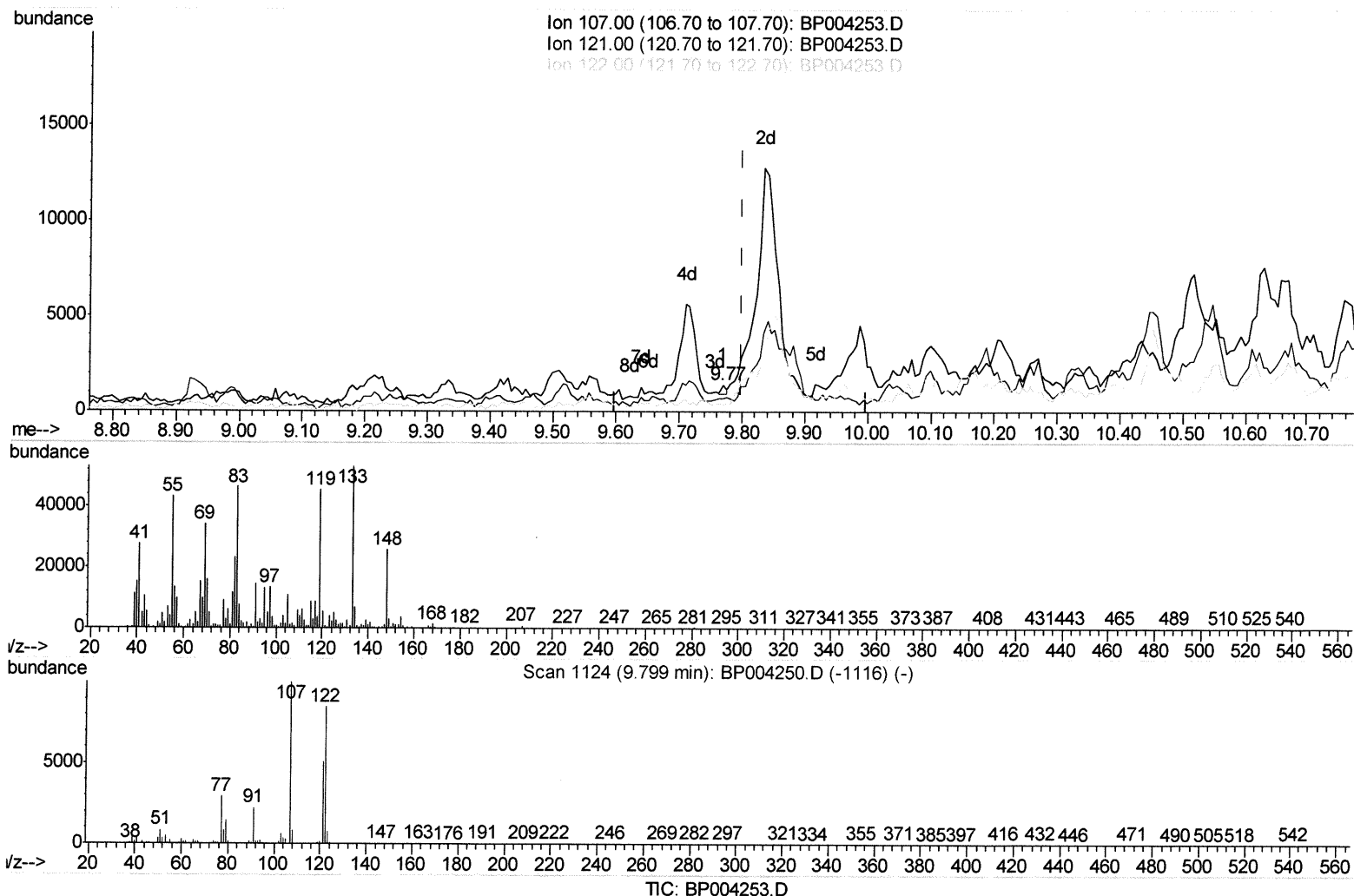
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 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 02:07:05 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

9.769min (-0.029) 0.01ng/ul

response 251

Ion	Exp%	Act%
107.00	100	100
121.00	51.50	48.97
122.00	86.60	25.27#
0.00	0.00	0.00

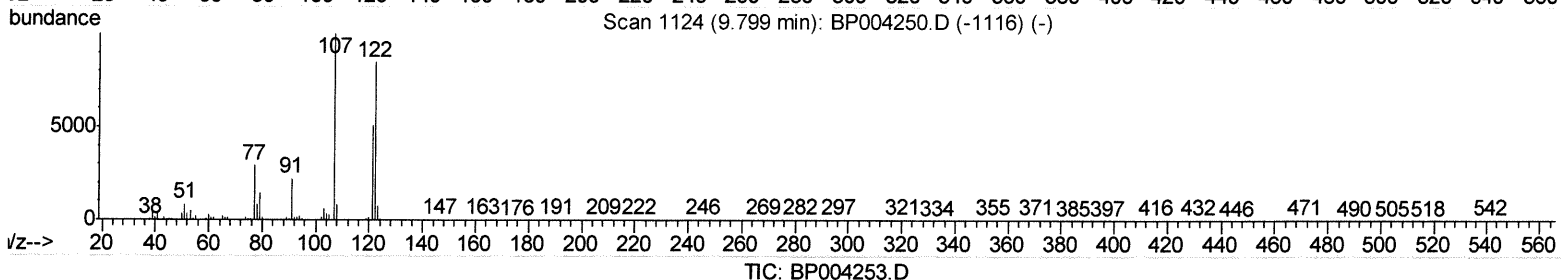
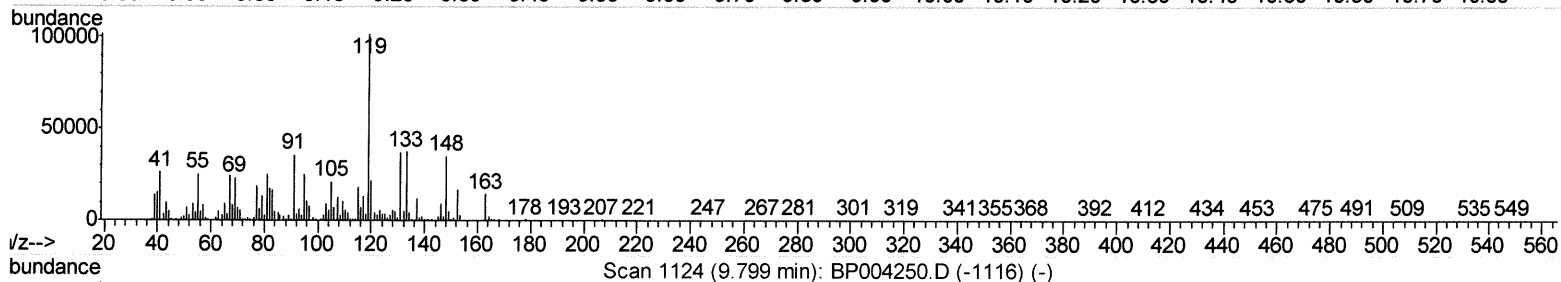
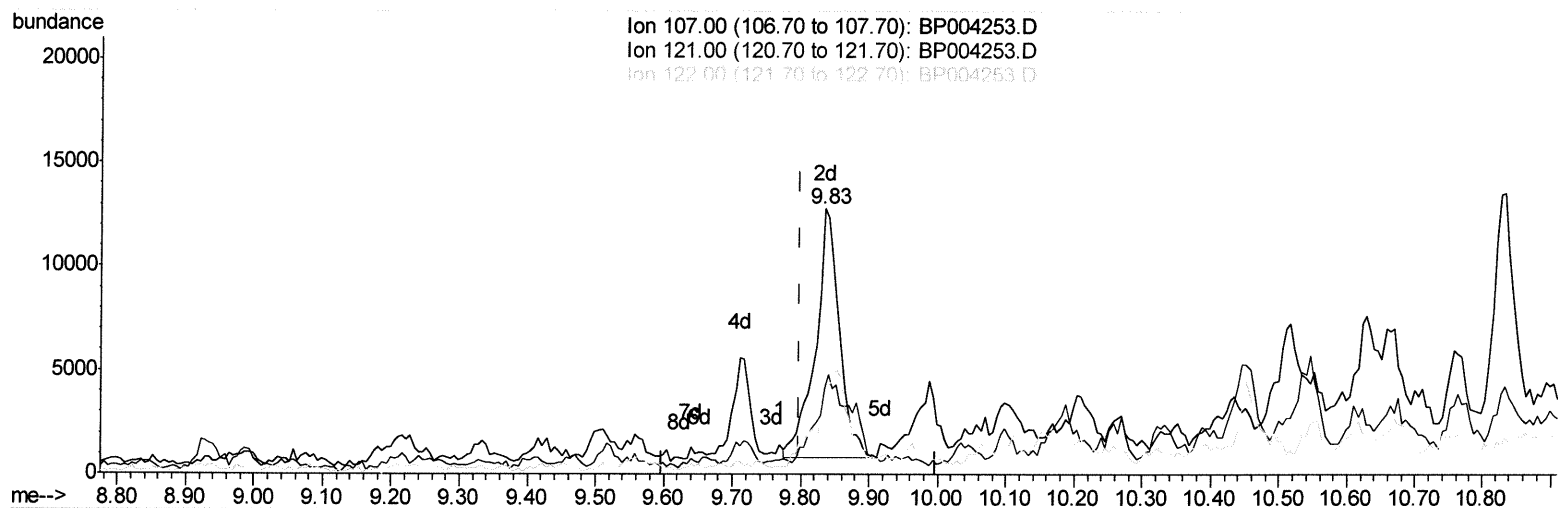
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 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 07:16:09 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



(24) 2,4-Dimethylphenol

9.834min (+0.035) 1.18ng/ul m

response 29462

Ion	Exp%	Act%
107.00	100	100
121.00	51.50	32.07#
122.00	86.60	23.16#
0.00	0.00	0.00

Jul 14/2020

Instrument :
BNA_P
ClientSampleId :
C0AD9

mohammad
12/14/2020 2:45:37 PM

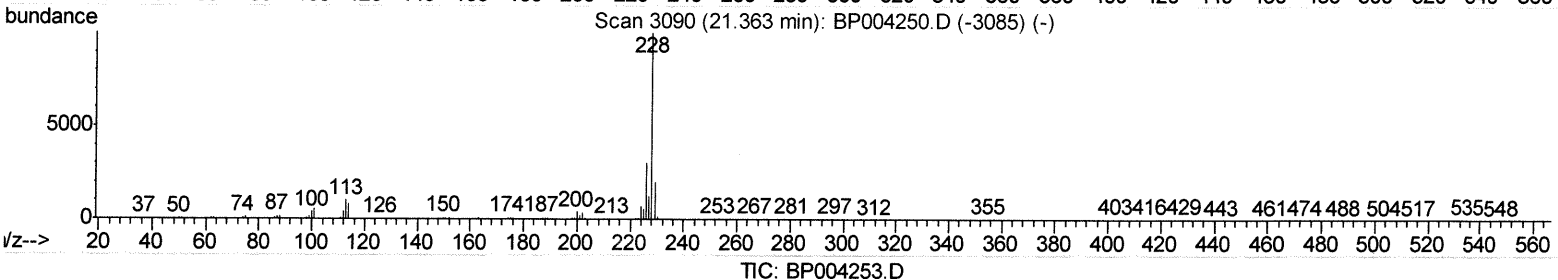
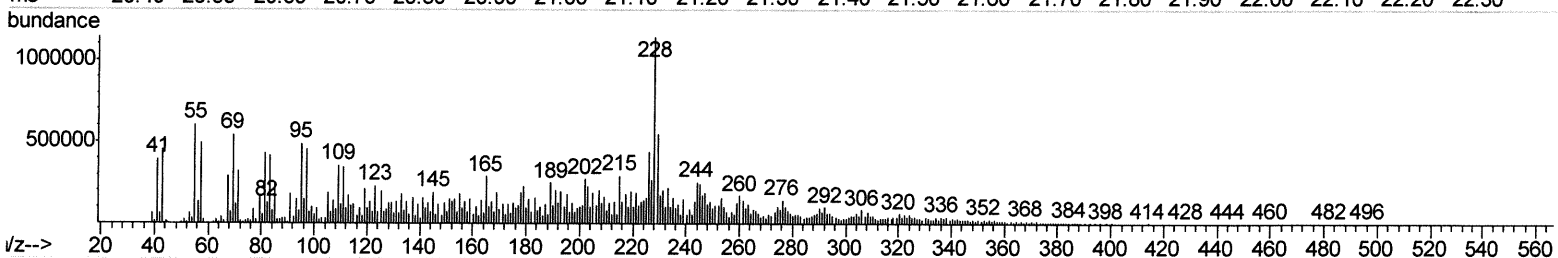
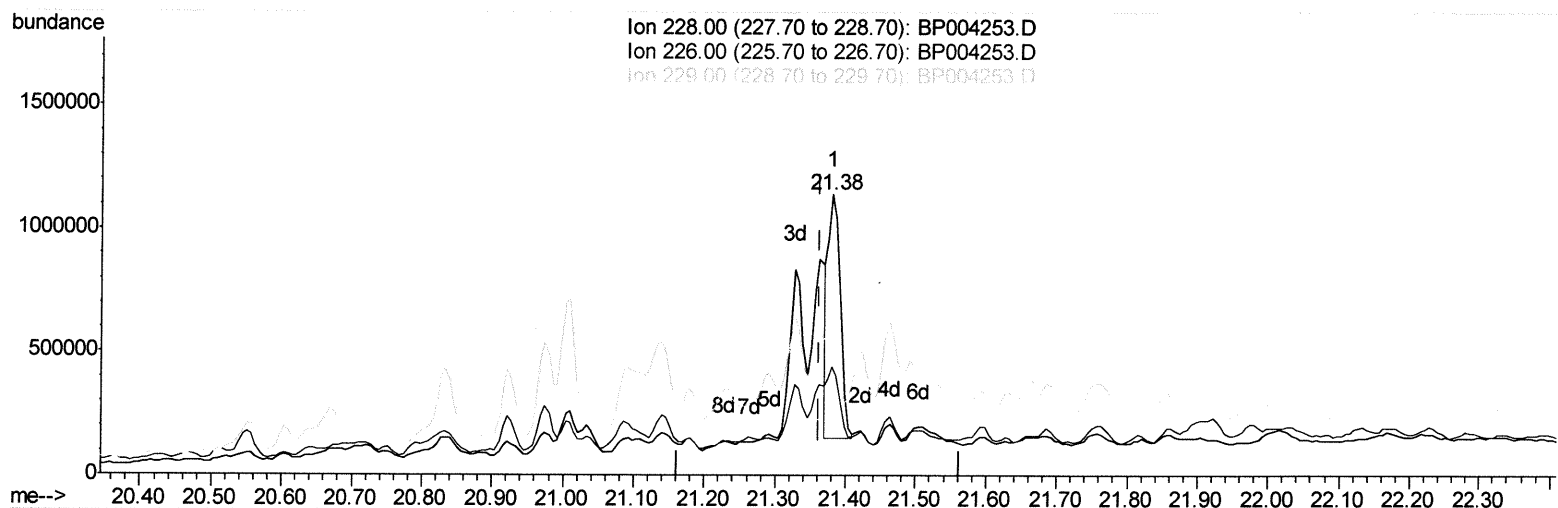
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 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 07:16:09 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



(85) Chrysene

21.380min (+0.018) 10.37ng/ul m

response 1207483

Handwritten signature

Ion	Exp%	Act%
228.00	100	100
226.00	30.20	38.45#
229.00	19.80	47.67#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP121320\
 Data File : BP004253.D
 Acq On : 12 Dec 2020 11:45
 Operator : CG/JU
 Sample : L5063-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

mohammad
 12/14/2020 2:45:37 PM

Quant Time: Dec 14 14:25:28 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	374424	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1433296	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.48	164	845044	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.25	188	1734941	20.00	ng/ul	0.01
78) Chrysene-d12	21.34	240	1800412	20.00	ng/ul	0.02
86) Perylene-d12	23.73	264	2199279m	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	24713	2.32	ng/uL	0.00
5) Phenol-d5	6.99	99	534652	17.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	312588	16.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	433660	18.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	418998	17.90	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	214440	18.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	223426	23.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	413962	19.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	687356	26.05	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	1097151	16.99	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	1536887	18.64	ng/ul	0.00
52) 4-Nitrophenol-d4	14.67	143	202708	18.58	ng/ul	0.01
58) Fluorene-d10	15.48	176	1043388	17.84	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.60	200	127251	15.29	ng/ul	0.02
71) Anthracene-d10	17.35	188	1596304	18.88	ng/ul	0.01
79) Pyrene-d10	19.59	212	1867647	19.91	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.58	264	2192849	18.93	ng/ul	0.06

Target Compounds

					Ovalue	
6) Phenol	7.02	94	38152	1.180	ng/ul#	89
24) 2,4-Dimethylphenol	9.83	107	29462m	1.179	ng/ul	> 5412/28/20
28) Naphthalene	10.67	128	1051480	12.940	ng/ul	97
34) 2-Methylnaphthalene	12.29	142	2768775	50.647	ng/ul	99
41) 1,1'-Biphenyl	13.31	154	424652	5.992	ng/ul	98
45) Dimethylphthalate	13.93	163	110774	1.684	ng/ul#	75
48) Acenaphthylene	14.20	152	185104	2.263	ng/ul#	1
50) Acenaphthene	14.54	153	241313	4.166	ng/ul	93
59) Fluorene	15.53	166	469218	7.188	ng/ul#	81
70) Phenanthrene	17.29	178	5756705	56.243	ng/ul	96
72) Anthracene	17.37	178	753539m	7.441	ng/ul	> 5412/28/20
77) Fluoranthene	19.26	202	1457989	13.340	ng/ul#	95
80) Pyrene	19.62	202	7824958	64.431	ng/ul#	94
83) Benzo(a)anthracene	21.33	228	936827	7.894	ng/ul#	29
85) Chrysene	21.38	228	1207483m	10.371	ng/ul	} 5412/28/20
88) Benzo(b)fluoranthene	23.01	252	680660m	4.880	ng/ul	
91) Benzo(a)pyrene	23.63	252	620489m	4.768	ng/ul	
92) Indeno(1,2,3-cd)pyrene	26.17	276	331090m	2.029	ng/ul	
93) Dibenzo(a,h)anthracene	26.17	278	147544m	1.079	ng/ul	}
94) Benzo(a,h,i)perylene	26.92	276	527780m	3.854	ng/ul	

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