

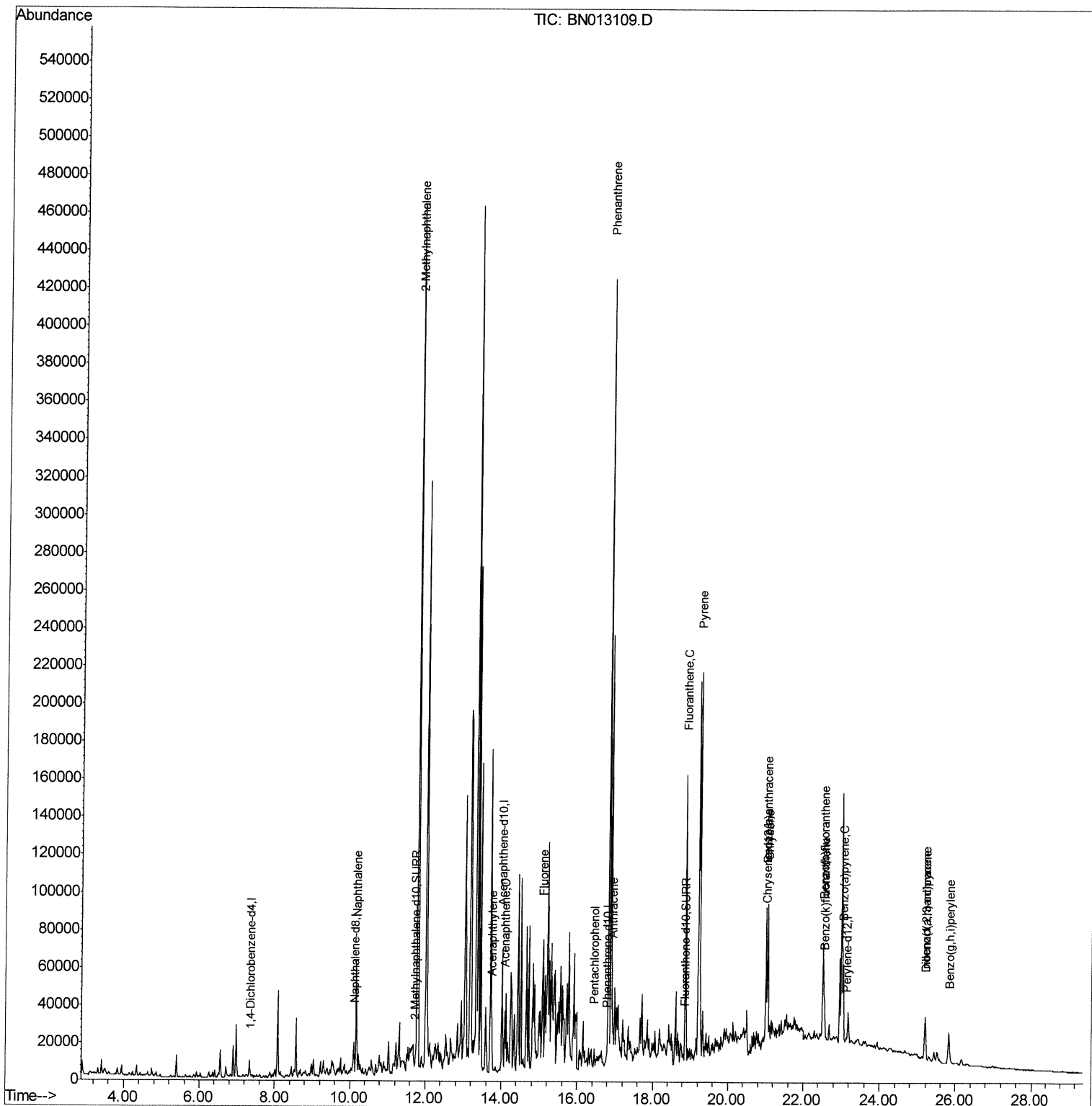
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN121420\
Data File : BN013109.D
Acq On : 14 Dec 2020 10:41
Operator : CG/JU
Sample : L5063-05RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AD7RE

Manual Integrations
APPROVED

mohammad
12/15/2020 12:12:14 PM

Quant Time: Dec 14 11:18:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 10:24:28 2020
Response via : Initial Calibration



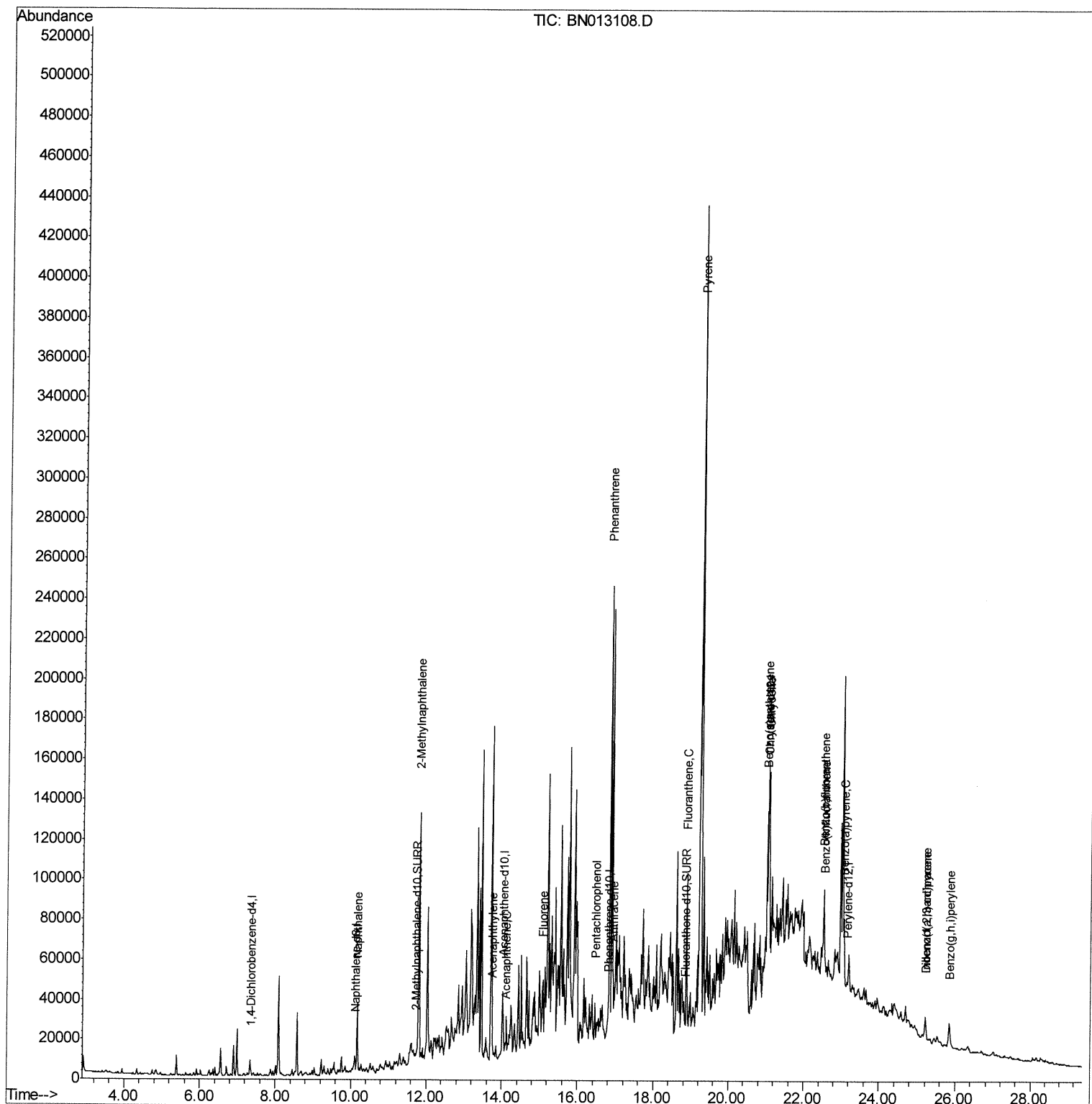
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Data File : BN013108.D
Acq On : 14 Dec 2020 09:51
Operator : CG/JU
Sample : L5063-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AD7RE

Manual Integrations
APPROVED

mohammad
12/15/2020 12:12:14 PM

Quant Time: Dec 14 11:16:40 2020
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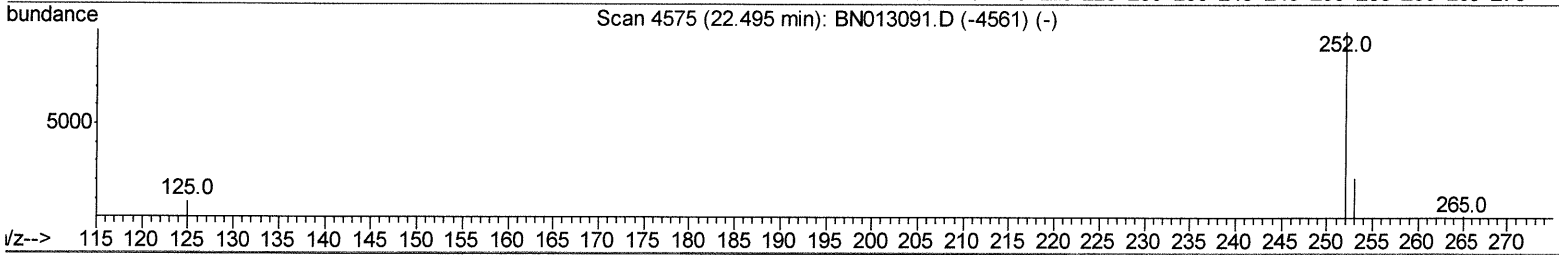
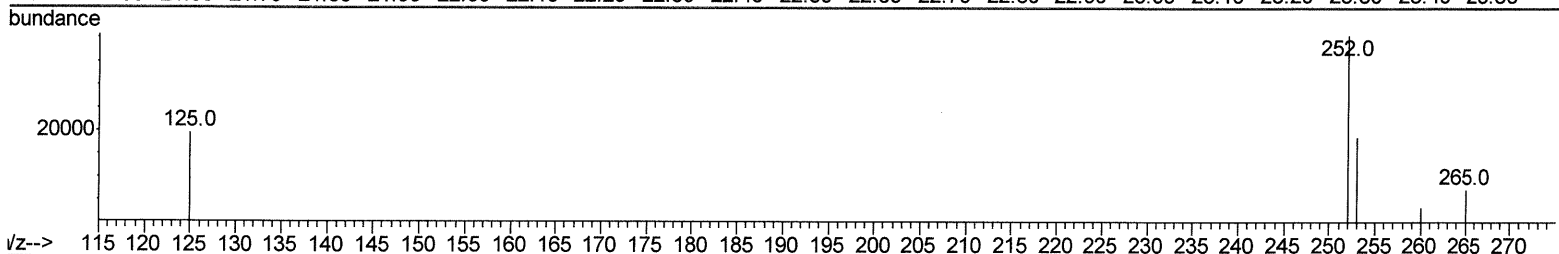
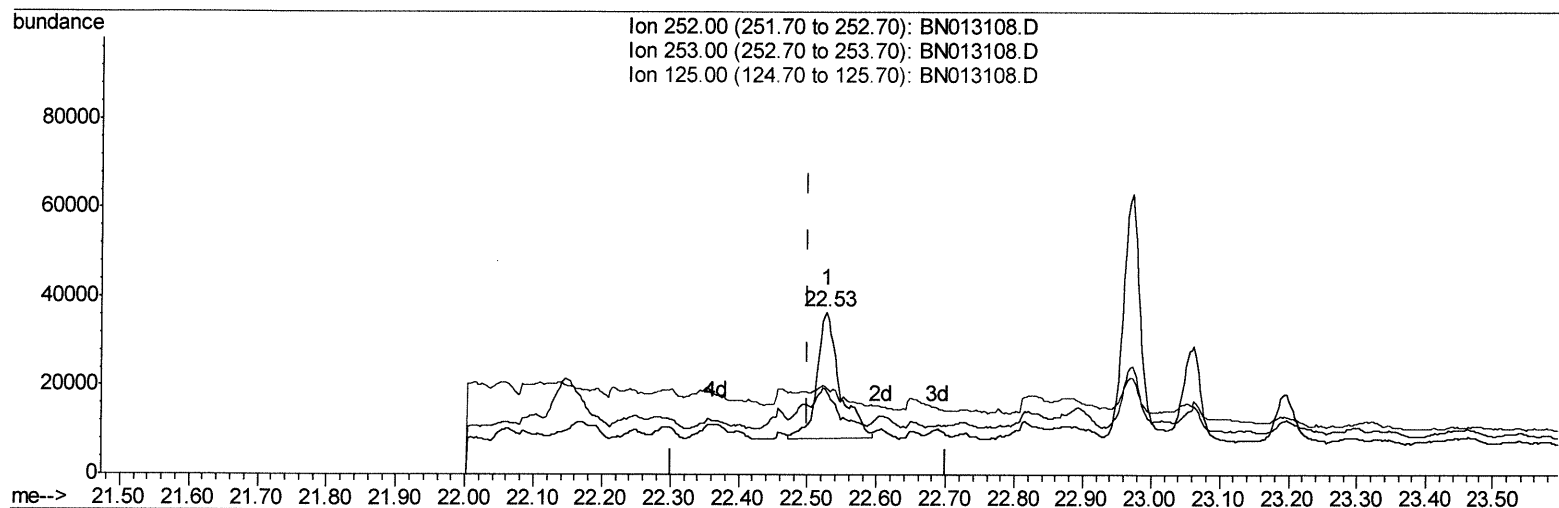
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TIC: BN013108.D

(21) Benzo(b)fluoranthene
 22.527min (+0.027) 4.70ng/ul
 response 65891

Ion	Exp%	Act%
252.00	100	100
253.00	29.80	51.40
125.00	13.00	53.59#
0.00	0.00	0.00

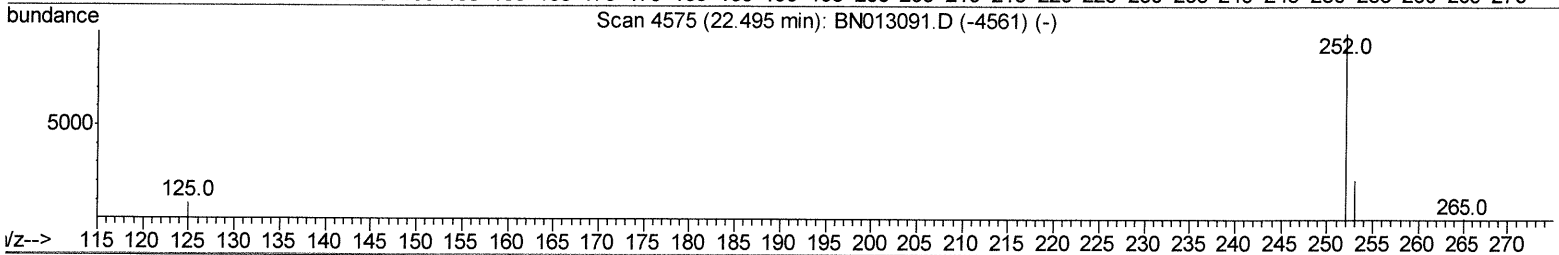
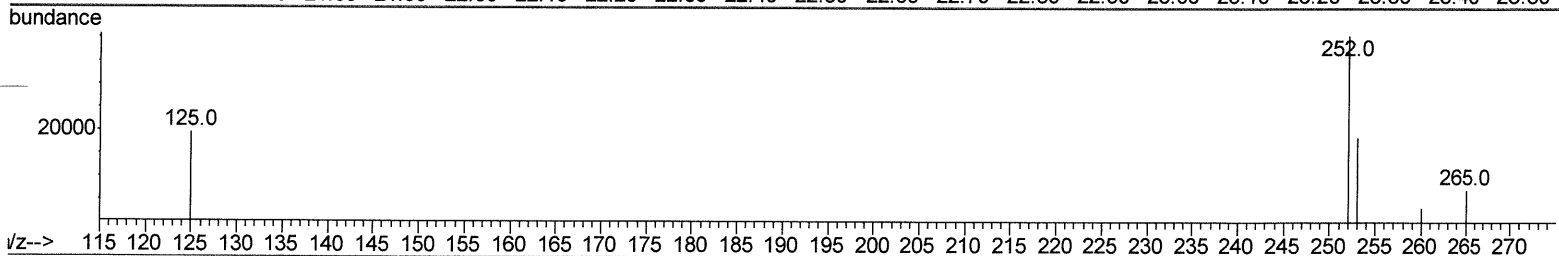
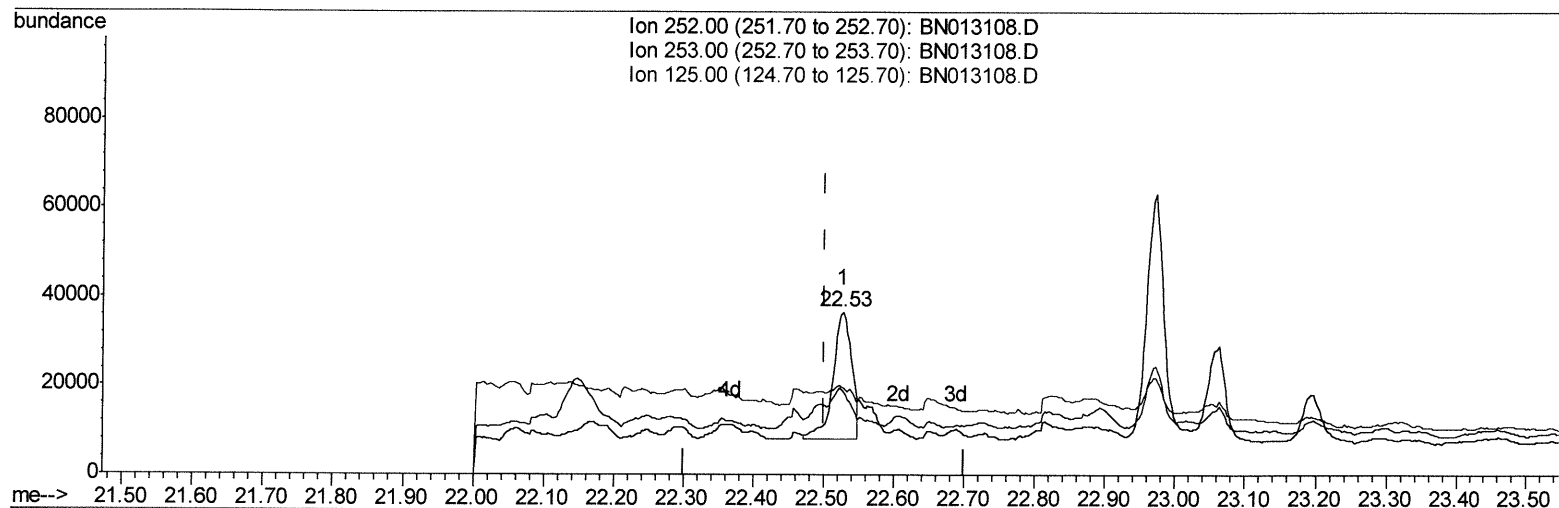
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 Data File : BN013108.D
 Acq On : 14 Dec 2020 09:51
 Operator : CG/JU
 Sample : L5063-06RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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TIC: BN013108.D

(21) Benzo(b)fluoranthene

22.527min (+0.027) 3.84ng/ul m

response 53848

Ion	Exp%	Act%
252.00	100	100
253.00	29.80	51.40
125.00	13.00	53.59#
0.00	0.00	0.00

Handwritten signature/initials

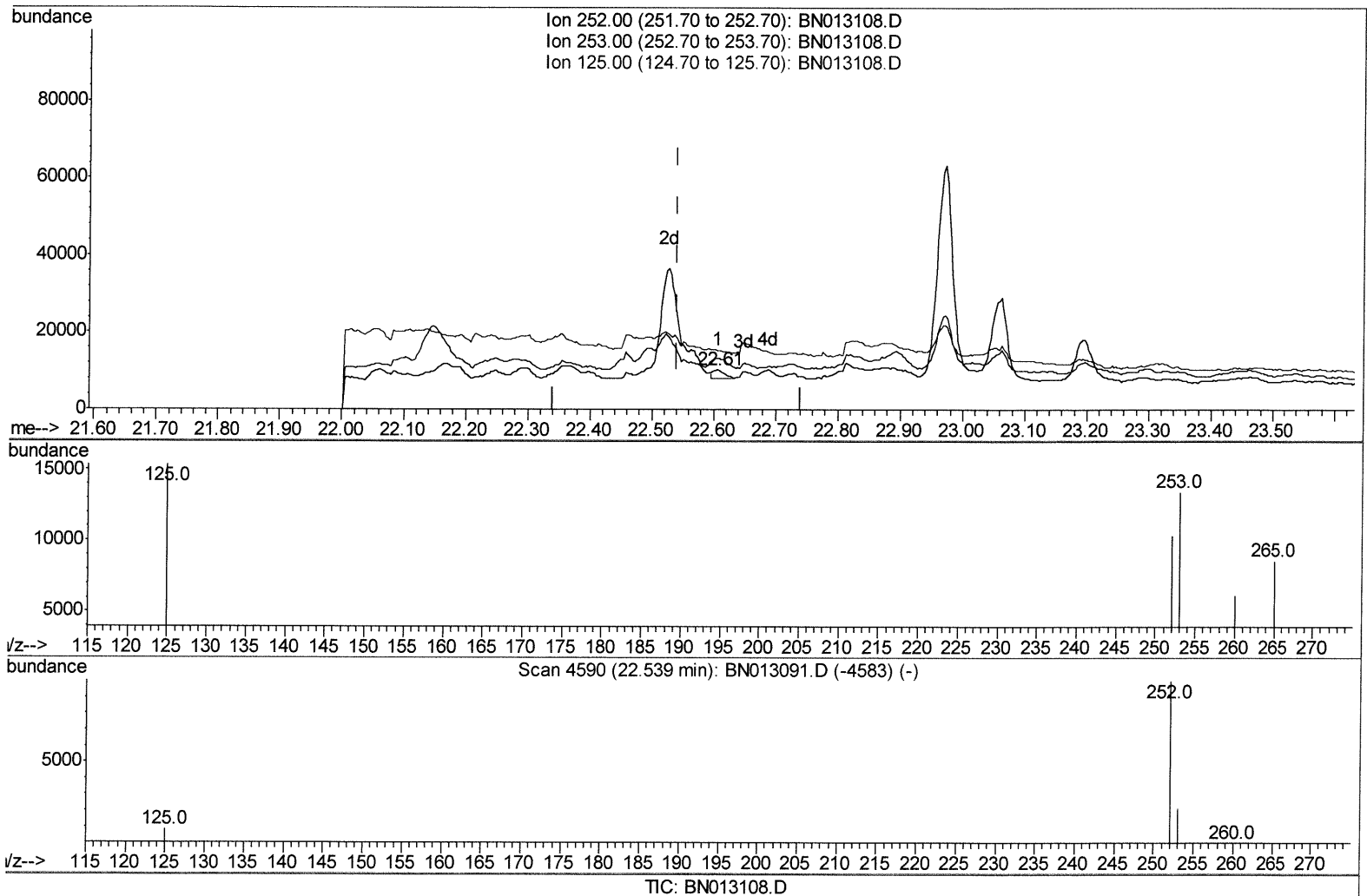
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(22) Benzo(k)fluoranthene

22.606min (+0.065) 0.20ng/ul

response 3061

Ion	Exp%	Act%
252.00	100	100
253.00	29.30	129.51#
125.00	13.90	148.25#
0.00	0.00	0.00

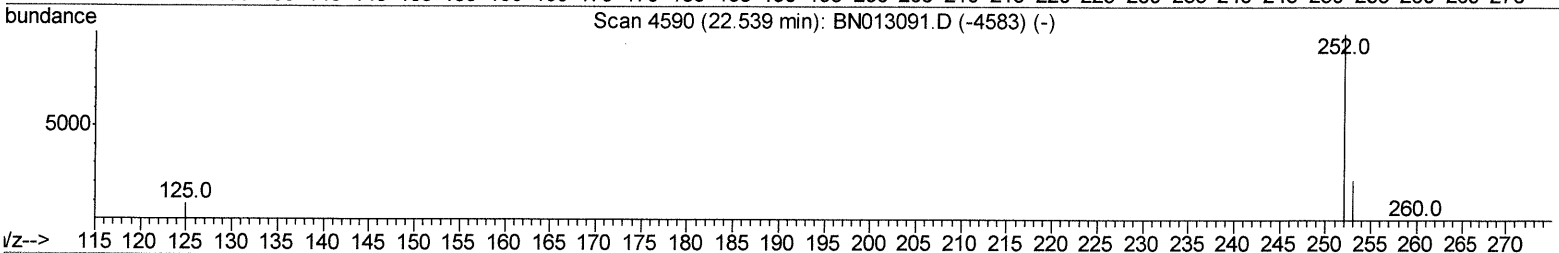
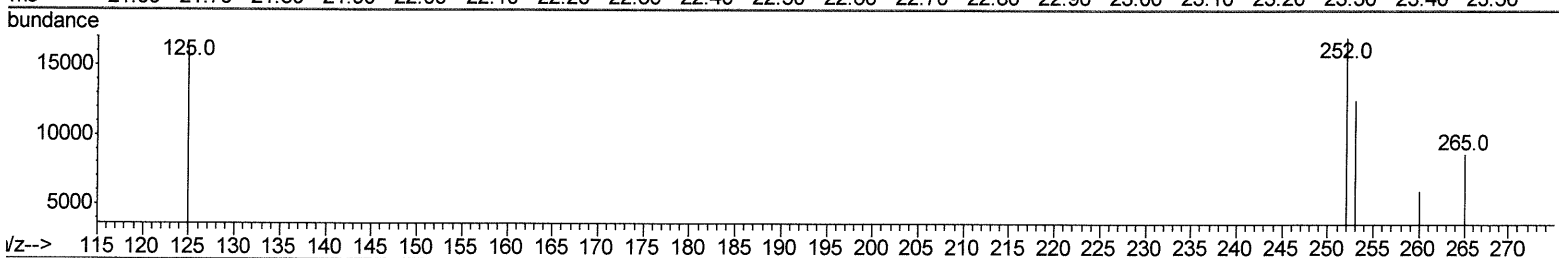
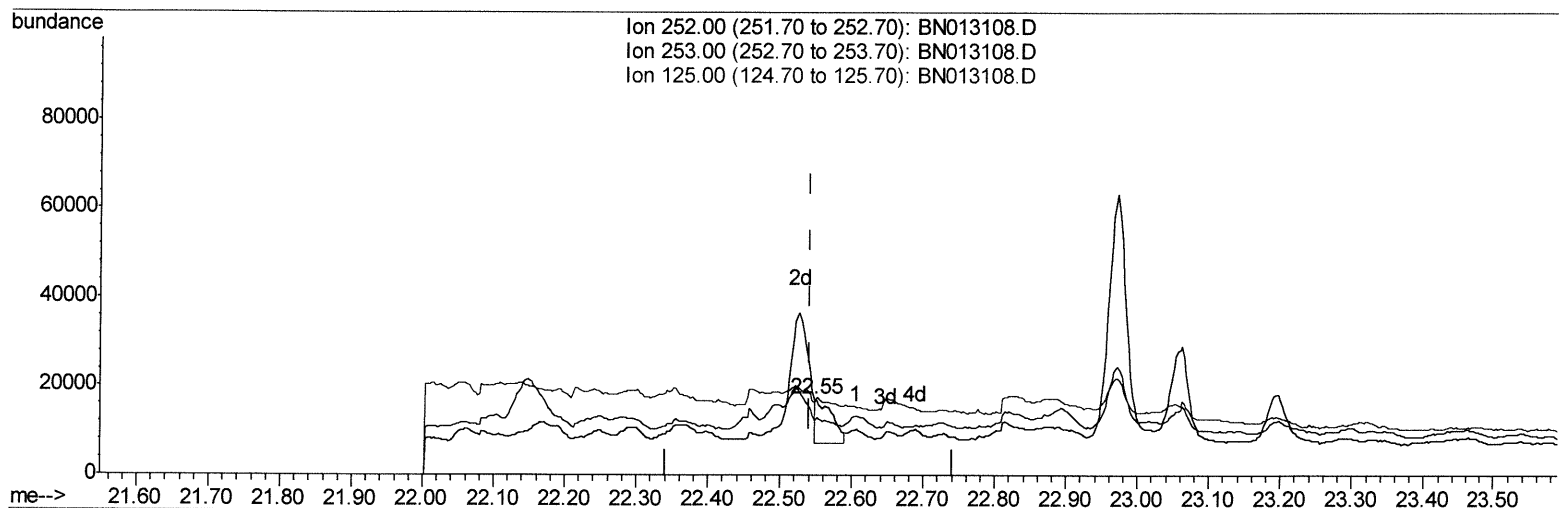
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(22) Benzo(k)fluoranthene

22.548min (+0.006) 0.99ng/ul m

response 15342

Ion	Exp%	Act%
252.00	100	100
253.00	29.30	73.40#
125.00	13.90	95.79#
0.00	0.00	0.00

JU 12/15/20

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	1211	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	4550	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	5768	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	4922	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	6373	0.40	ng/ul	0.01
20) Perylene-d12	23.15	264	3030	0.40	ng/ul	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.72	152	2182	0.32	ng/ul	-0.01
14) Fluoranthene-d10	18.85	212	4150	0.31	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.17	128	44161	3.354	ng/ul	94
5) 2-Methylnaphthalene	11.80	142	79904	9.239	ng/ul	98
7) Acenaphthylene	13.75	152	5840	0.214	ng/ul#	1
8) Acenaphthene	14.09	153	3218	0.144	ng/ul#	67
9) Fluorene	15.10	166	7351	0.286	ng/ul#	19
11) Pentachlorophenol	16.47	266	181	0.127	ng/ul#	76
12) Phenanthrene	16.84	178	218936	13.267	ng/ul	96
13) Anthracene	16.93	178	12954	0.922	ng/ul#	67
15) Fluoranthene	18.87	202	70157	3.577	ng/ul	91
17) Pyrene	19.25	202	350843	11.655	ng/ul	99
18) Benzo(a)anthracene	21.02	228	50125	1.901	ng/ul#	28
19) Chrysene	21.07	228	63484	2.179	ng/ul#	68
21) Benzo(b)fluoranthene	22.53	252	53848m	3.841	ng/ul	} → 5412/28/20
22) Benzo(k)fluoranthene	22.55	252	15342m	0.990	ng/ul	
23) Benzo(a)pyrene	23.06	252	38374	2.950	ng/ul#	45
24) Indeno(1,2,3-cd)pyrene	25.21	276	15698	0.919	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.21	278	7209	0.533	ng/ul#	1
26) Benzo(a,h,i)perylene	25.85	276	24948	1.614	ng/ul#	72

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

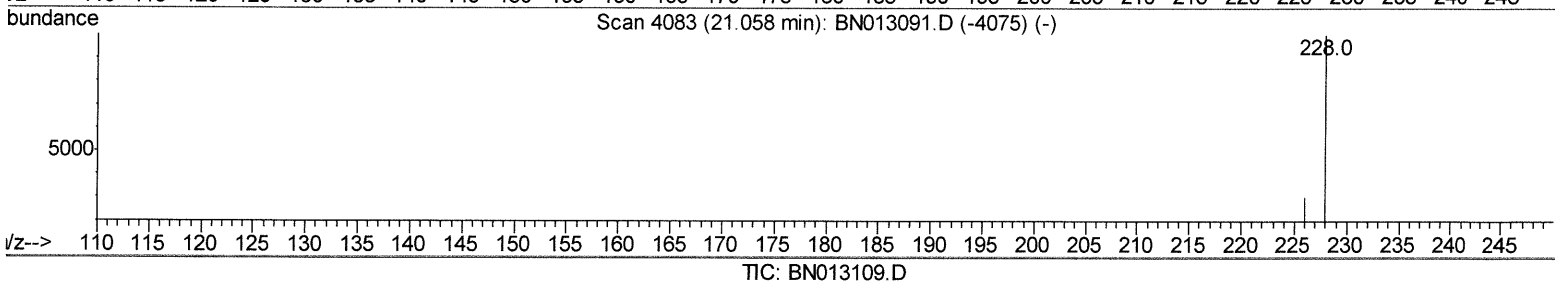
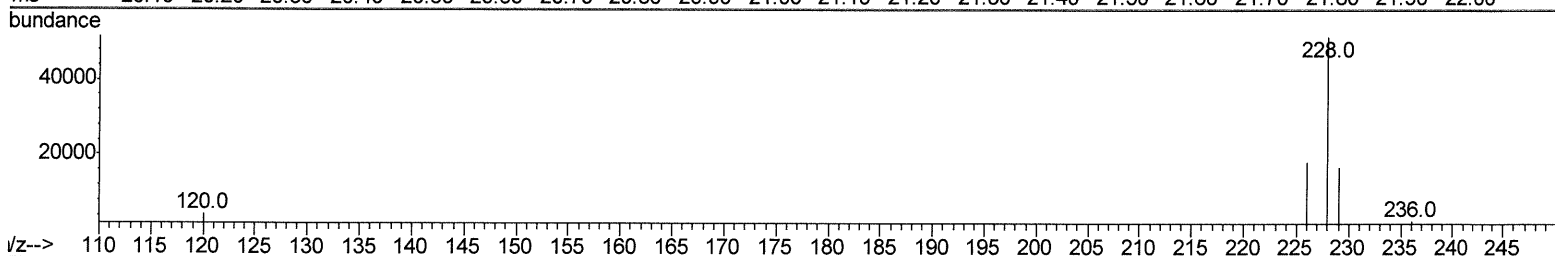
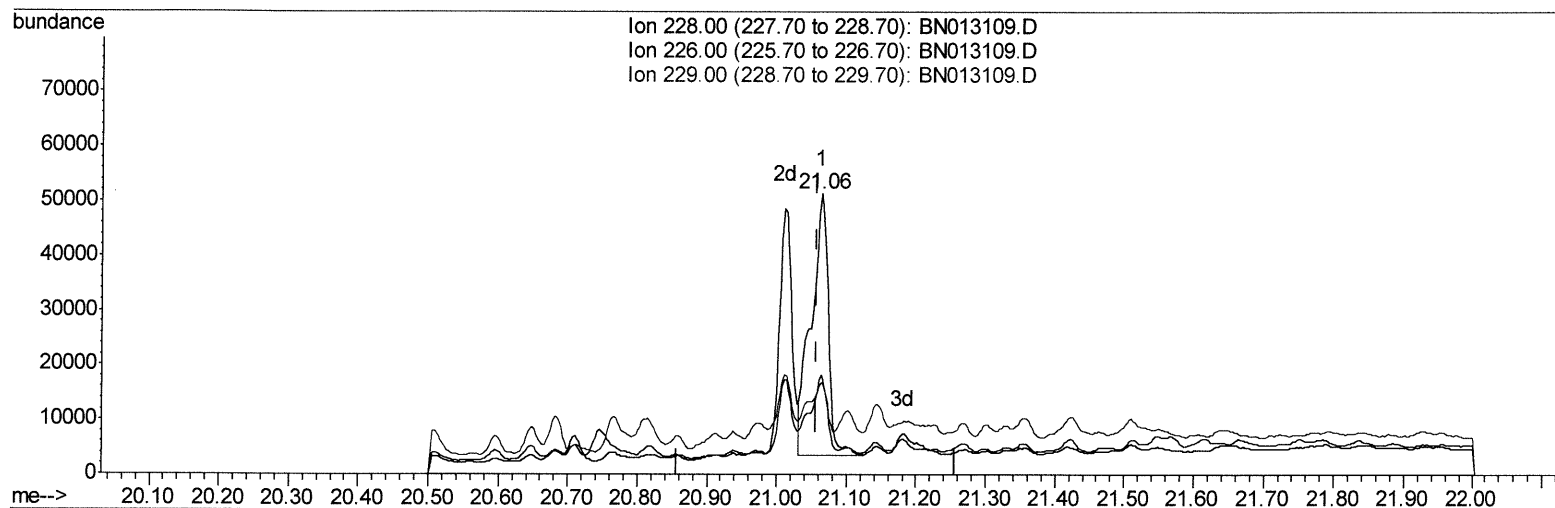
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(19) Chrysene

21.063min (+0.006) 4.93ng/ui

response 81627

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	35.47
229.00	20.50	32.90#
0.00	0.00	0.00

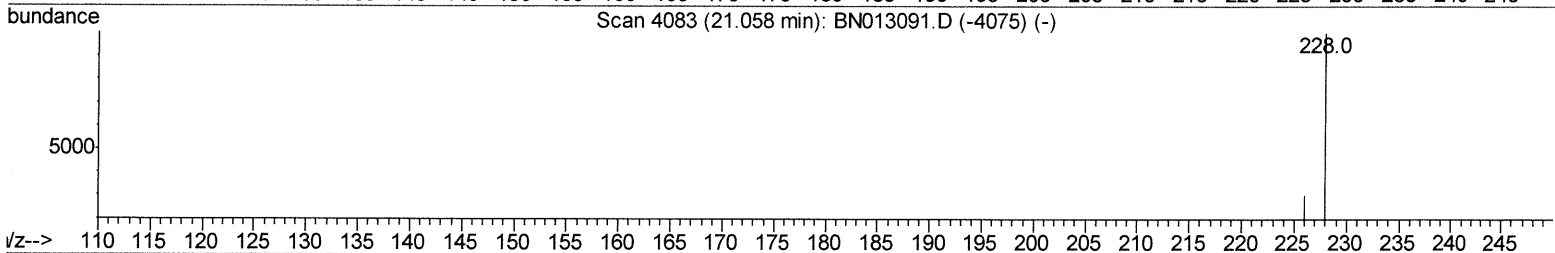
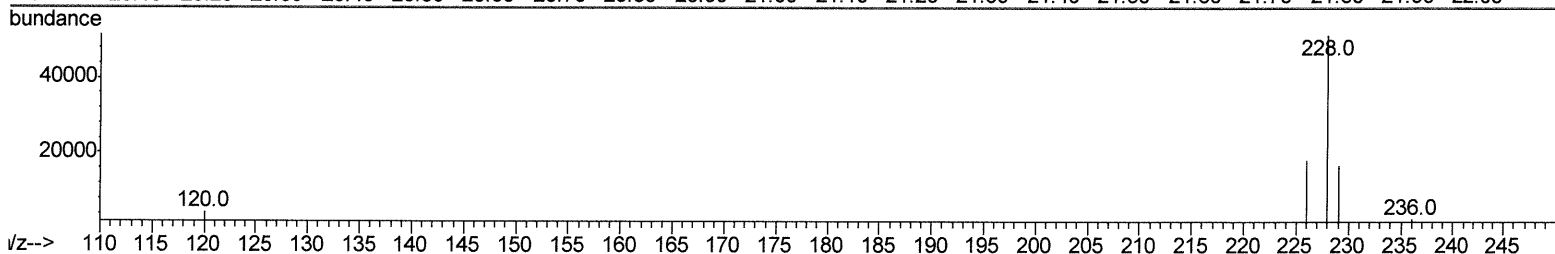
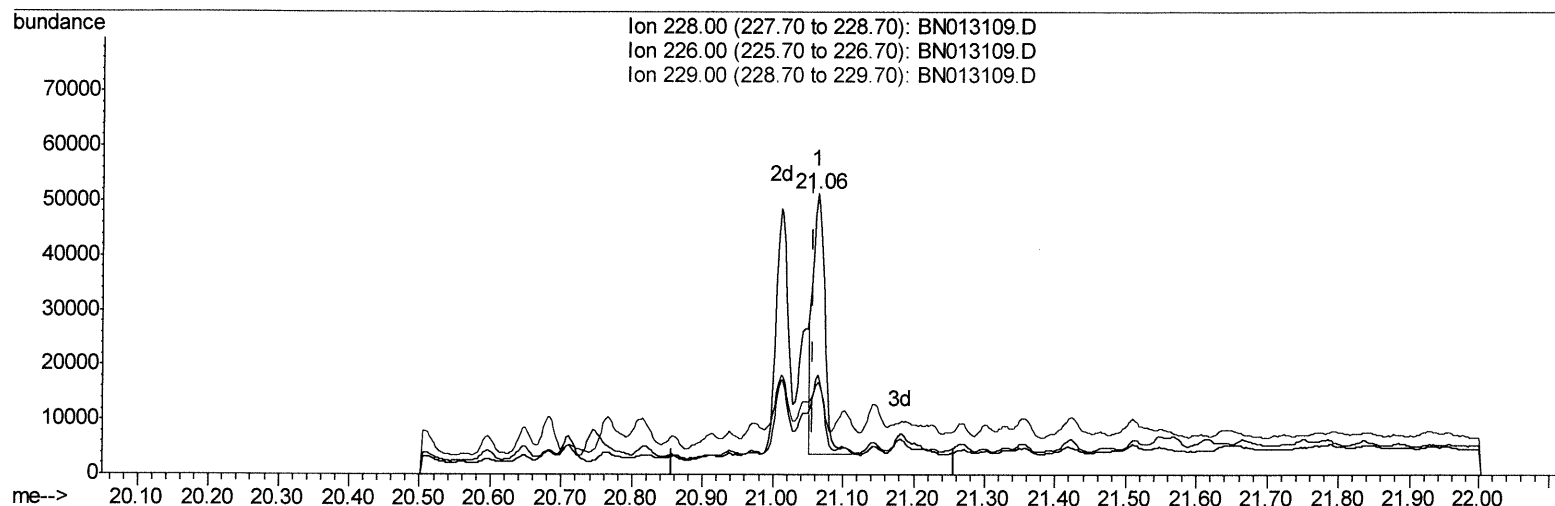
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 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 12/15/2020 12:12:14 PM

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 Response via : Initial Calibration



TIC: BN013109.D

(19) Chrysene

21.063min (+0.006) 3.39ng/ul m

response 56187

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	35.47
229.00	20.50	32.90#
0.00	0.00	0.00

JU 12/28/20

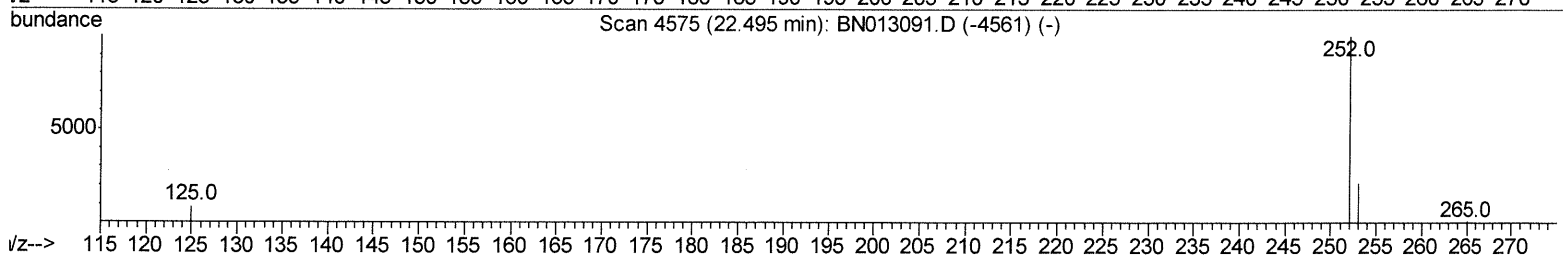
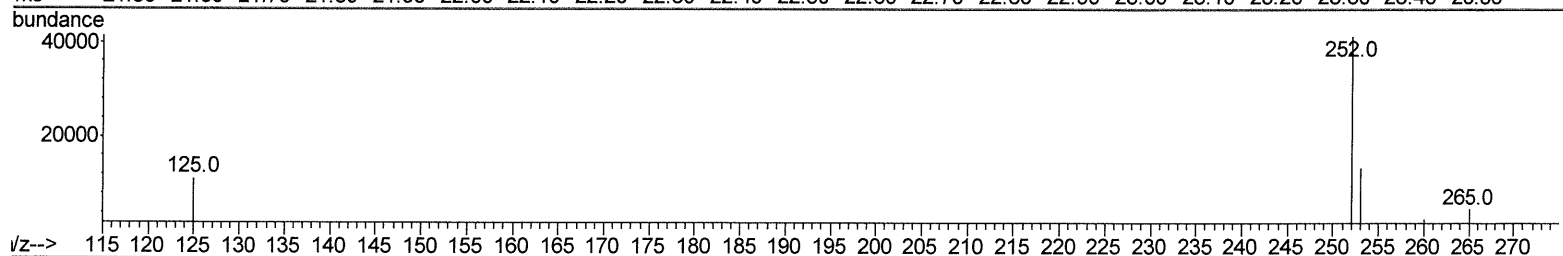
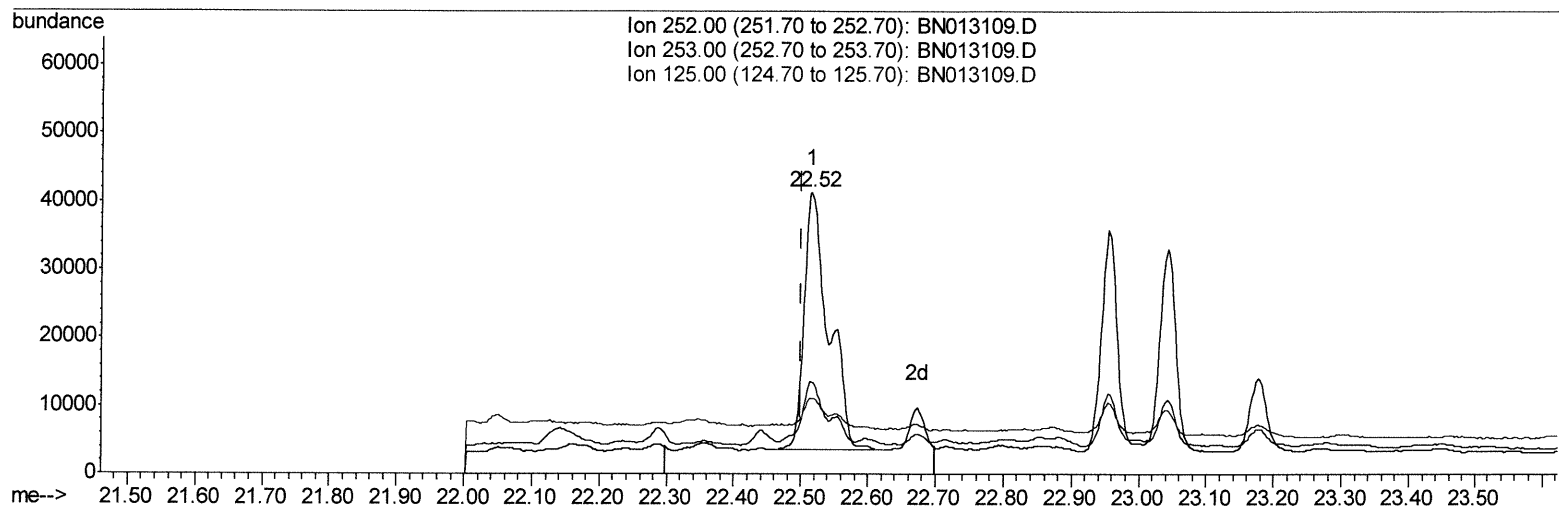
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Manual Integrations
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TIC: BN013109.D

(21) Benzo(b)fluoranthene

22.515min (+0.015) 6.56ng/ul

response 97218

Ion	Exp%	Act%
252.00	100	100
253.00	29.80	32.56
125.00	13.00	26.67#
0.00	0.00	0.00

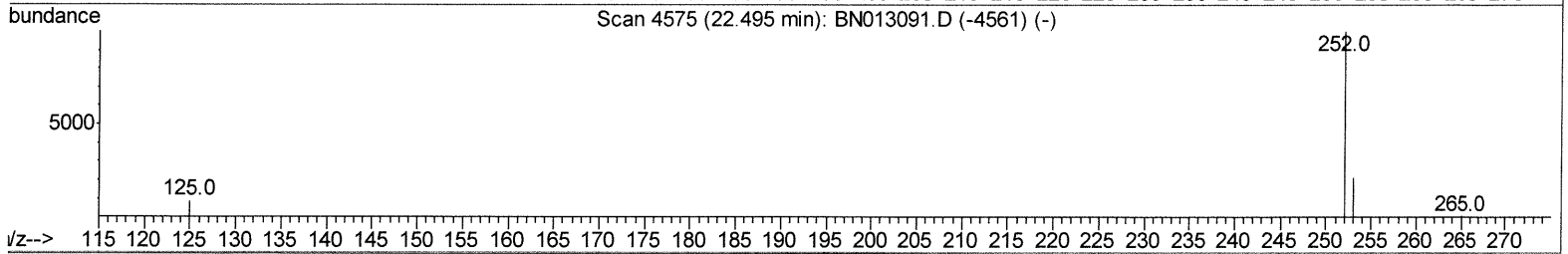
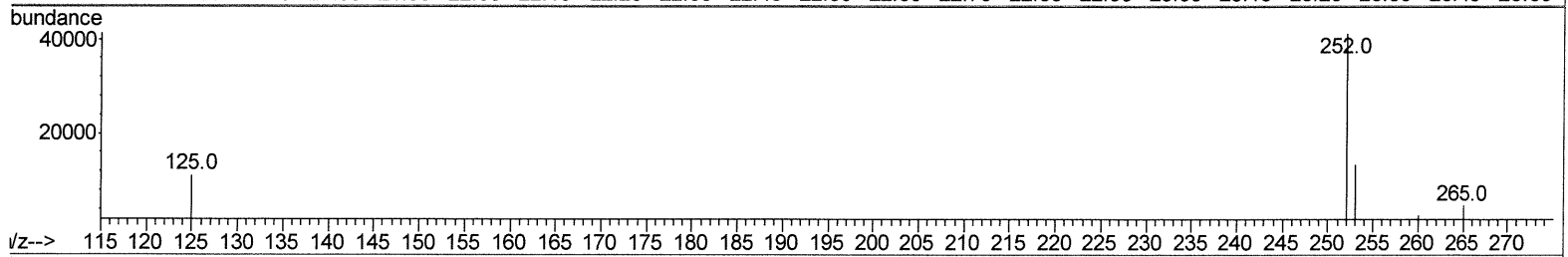
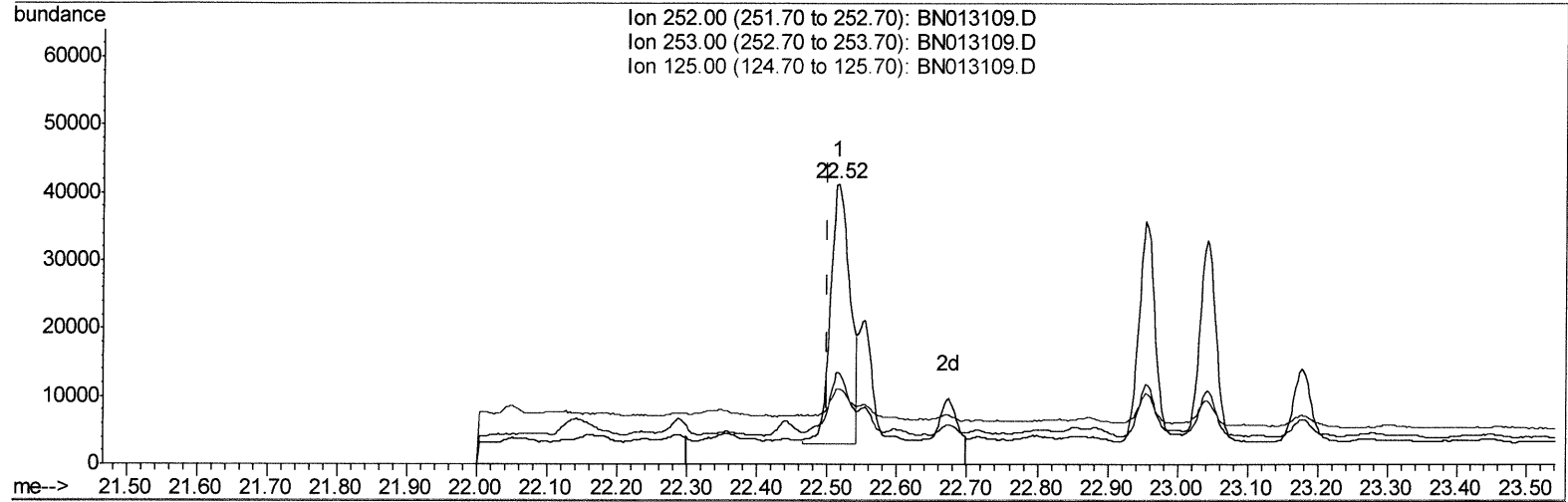
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TIC: BN013109.D

(21) Benzo(b)fluoranthene

22.515min (+0.015) 5.07ng/ul m

response 75140

Ion	Exp%	Act%
252.00	100	100
253.00	29.80	32.56
125.00	13.00	26.67#
0.00	0.00	0.00

JU 2/28/20

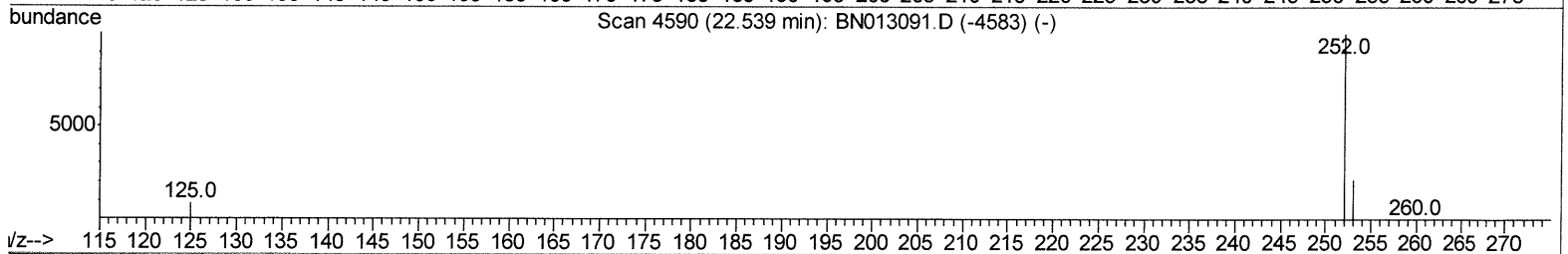
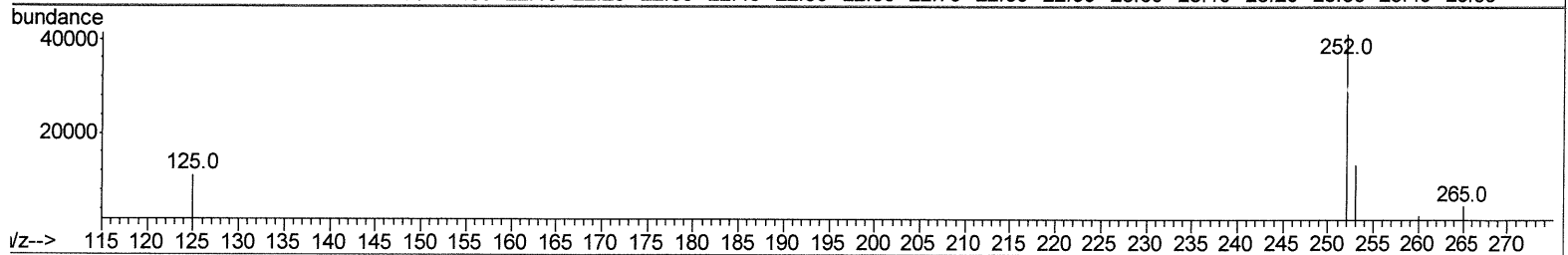
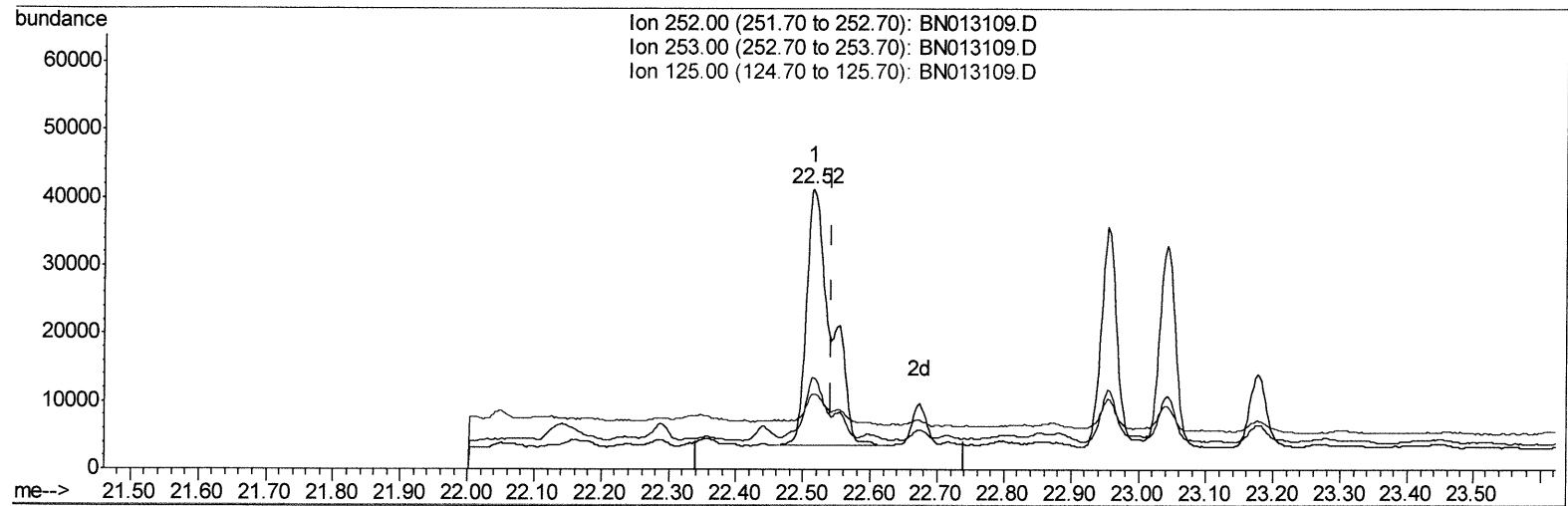
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(22) Benzo(k)fluoranthene
 22.515min (-0.026) 5.93ng/ui
 response 97218

Ion	Exp%	Act%
252.00	100	100
253.00	29.30	32.56
125.00	13.90	26.67#
0.00	0.00	0.00

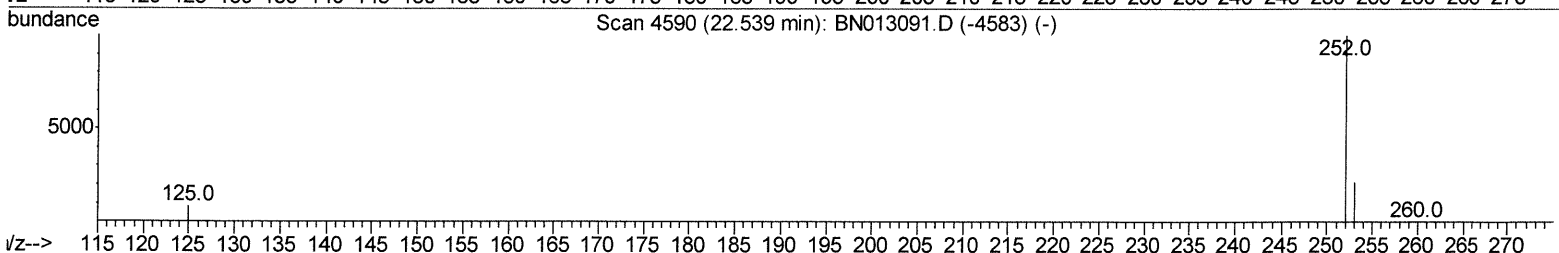
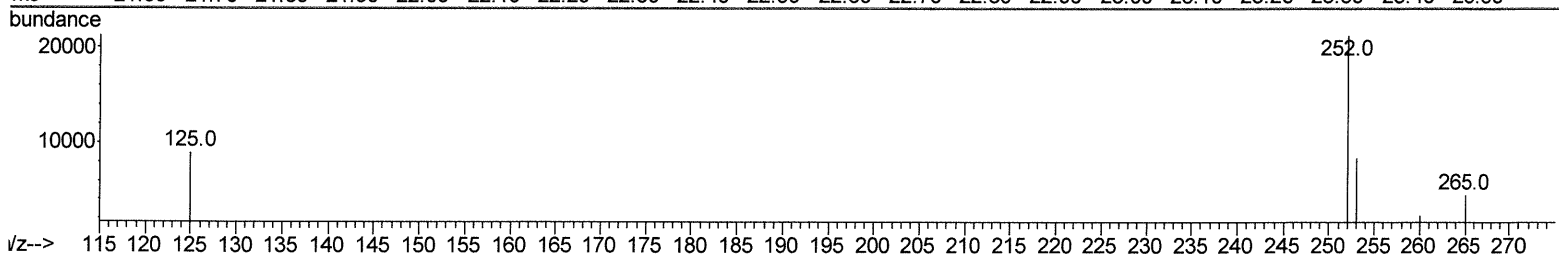
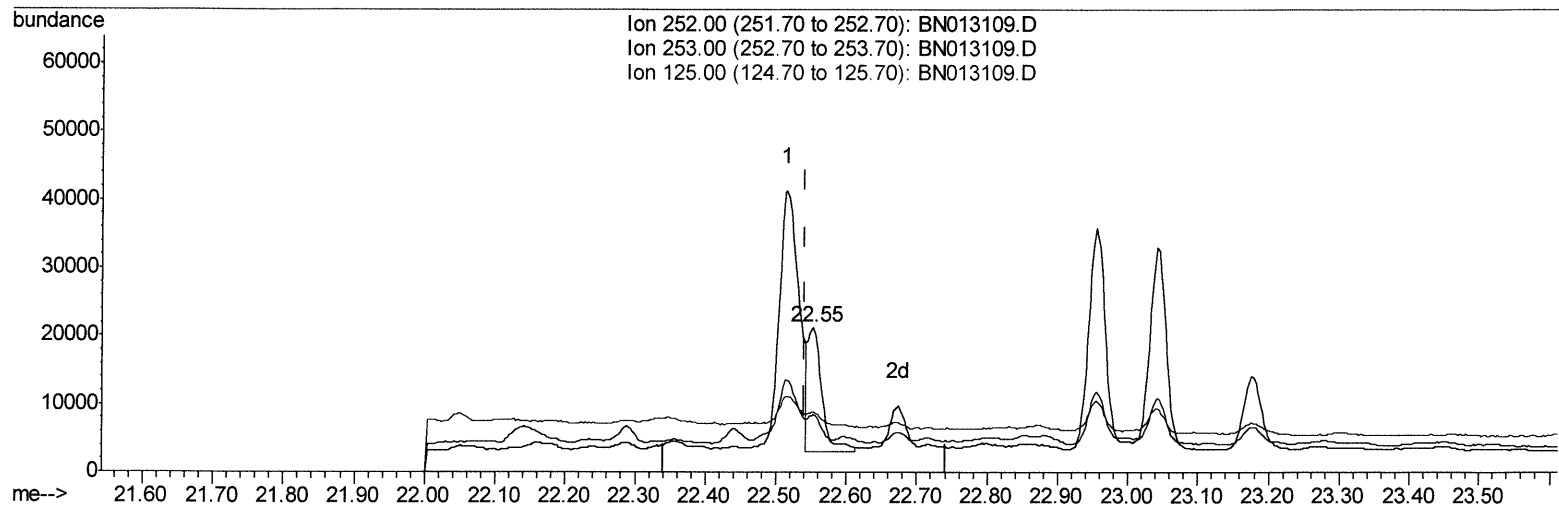
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(22) Benzo(k)fluoranthene

22.553min (+0.012) 1.57ng/ul m

response 25691

Ion	Exp%	Act%
252.00	100	100
253.00	29.30	39.56#
125.00	13.90	41.91#
0.00	0.00	0.00

JU 12/28/20

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	1191	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	4739	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.03	164	5229	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	5315	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3623	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	3205	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.73	152	1891	0.27	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	2695	0.19	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.17	128	72096	5.258	ng/ul#	93
5) 2-Methylnaphthalene	11.80	142	306672	34.044	ng/ul	99
7) Acenaphthylene	13.75	152	16488	0.666	ng/ul#	29
8) Acenaphthene	14.09	153	17102	0.842	ng/ul	93
9) Fluorene	15.10	166	27535	1.182	ng/ul#	90
11) Pentachlorophenol	16.46	266	174	0.113	ng/ul#	53
12) Phenanthrene	16.84	178	415427	23.312	ng/ul	98
13) Anthracene	16.93	178	35860	2.364	ng/ul#	93
15) Fluoranthene	18.87	202	129945	6.136	ng/ul	98
17) Pyrene	19.24	202	178320	10.420	ng/ul	99
18) Benzo(a)anthracene	21.01	228	55479	3.701	ng/ul#	78
19) Chrysene	21.06	228	56187m	3.393	ng/ul	} 7/14/20
21) Benzo(b)fluoranthene	22.52	252	75140m	5.068	ng/ul	
22) Benzo(k)fluoranthene	22.55	252	25691m	1.568	ng/ul	
23) Benzo(a)pyrene	23.04	252	48919	3.556	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.19	276	33109	1.832	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.19	278	9513	0.666	ng/ul#	25
26) Benzo(a,h,i)perylene	25.82	276	31068	1.901	ng/ul#	88

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