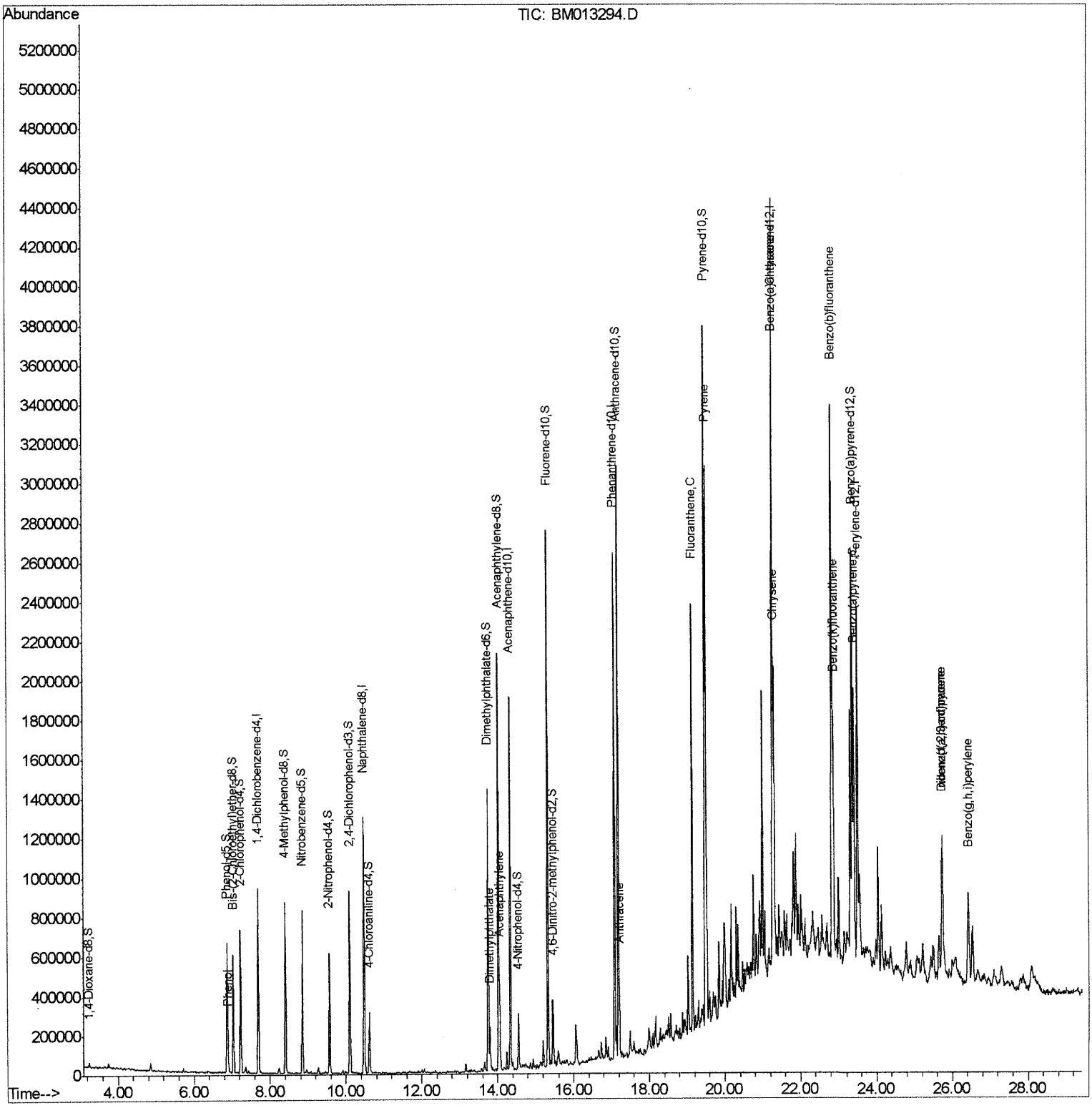
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 11 02:03:40 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F9B07

**Manual Integrations APPROVED**
Sohil
12/11/2017 6:16:24 PM

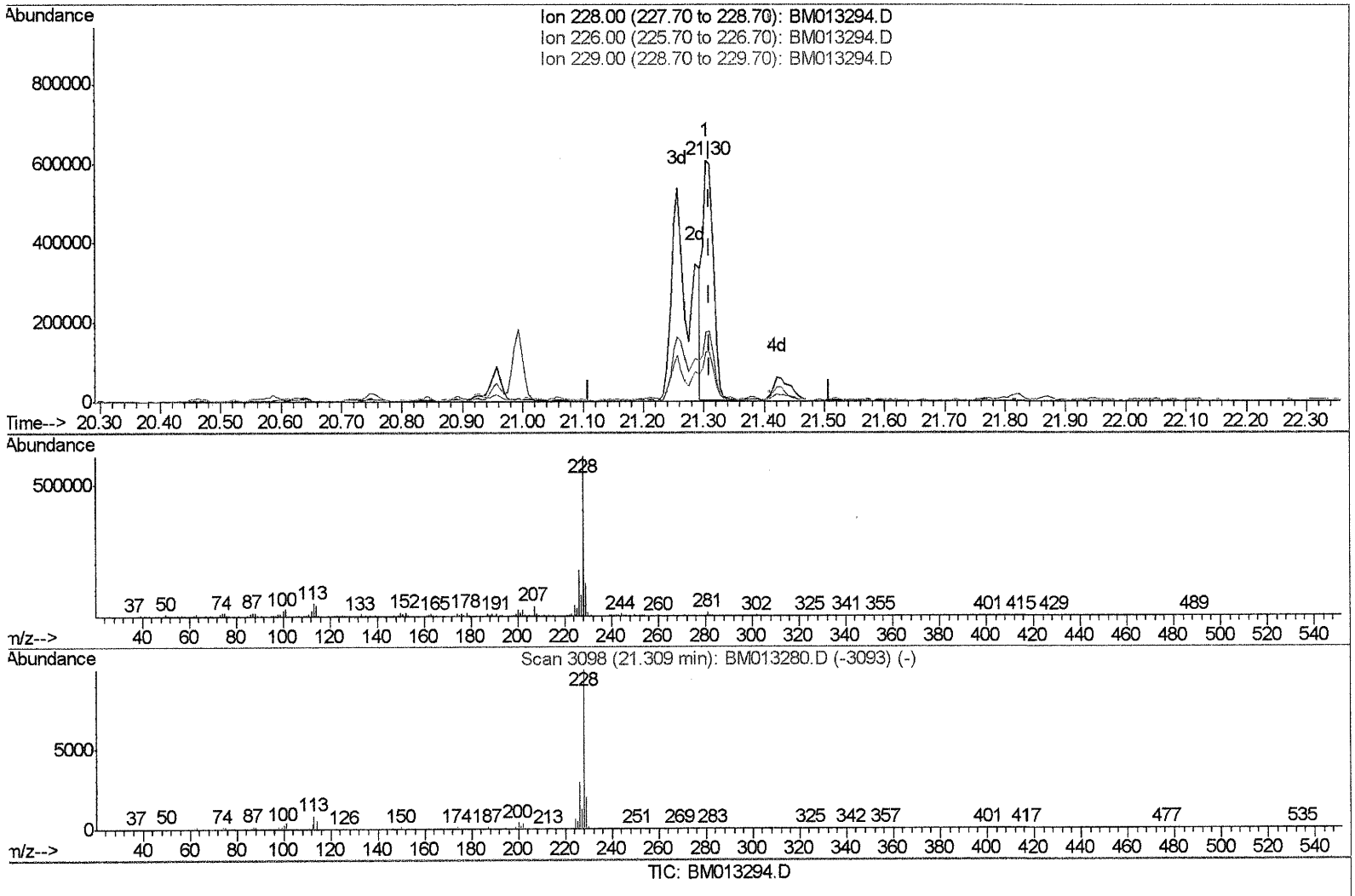


Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 11 00:50:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F9B07

**Manual Integrations APPROVED**
Sohil
12/11/2017 6:16:24 PM




TIC: BM013294.D

(82) Chrysene

21.303min (-0.006) 8.12ng/ul

response 755615

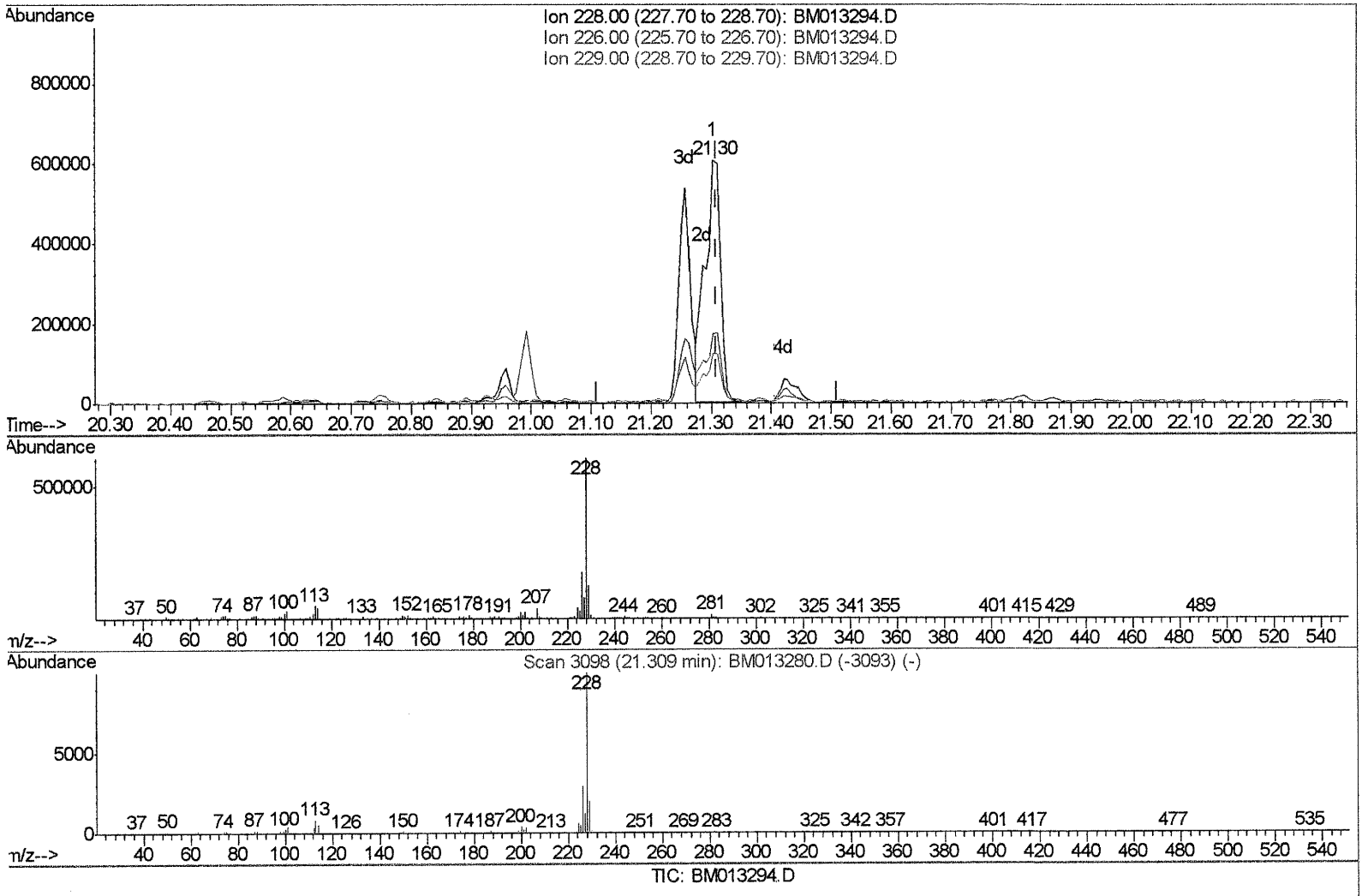
| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.30 | 28.72 |
| 229.00 | 19.40 | 20.37 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 11 00:50:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F9B07

**Manual Integrations APPROVED**
Sohil
12/11/2017 6:16:24 PM




TIC: BM013294.D

(82) Chrysene

21.303min (-0.006) 11.58ng/ul m > SJ 12/11/17

response 1077553

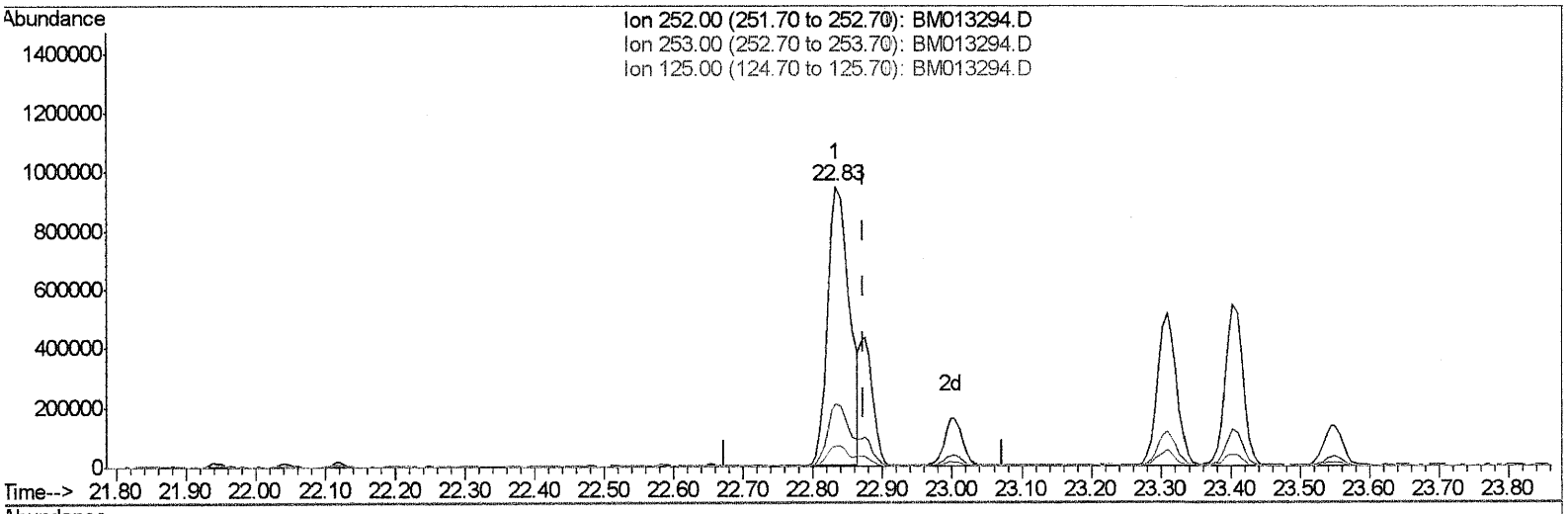
| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.30 | 28.72 |
| 229.00 | 19.40 | 20.37 |
| 0.00 | 0.00 | 0.00 |

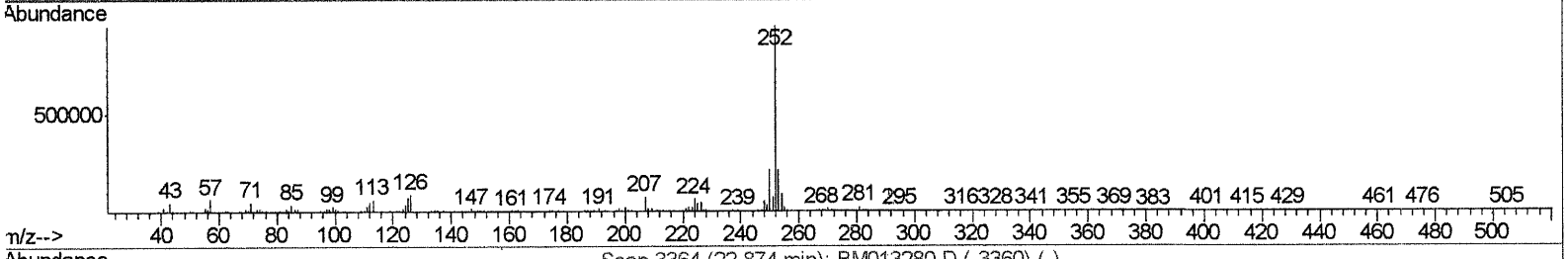
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

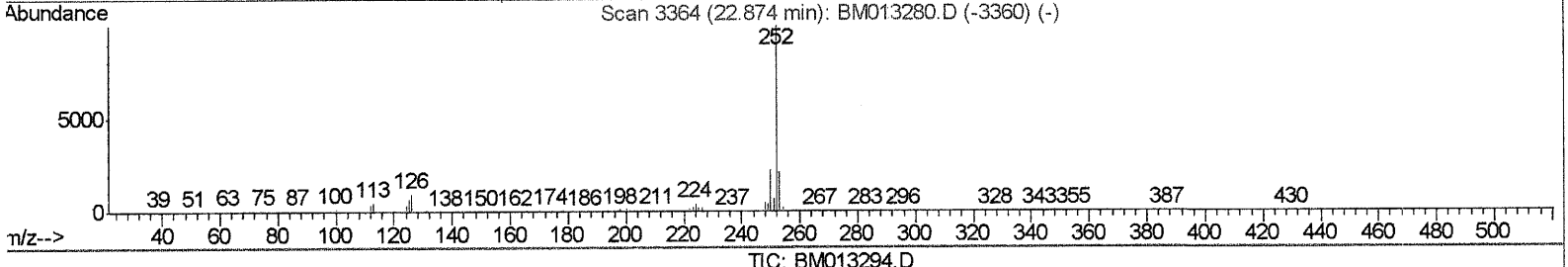
Quant Time: Dec 11 00:50:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F9B07

**Manual Integrations APPROVED**
Sohil
12/11/2017 6:16:24 PM




TIC: BM013294.D

(86) Benzo(k)fluoranthene

22.833min (-0.041) 23.65ng/ul

response 2050925

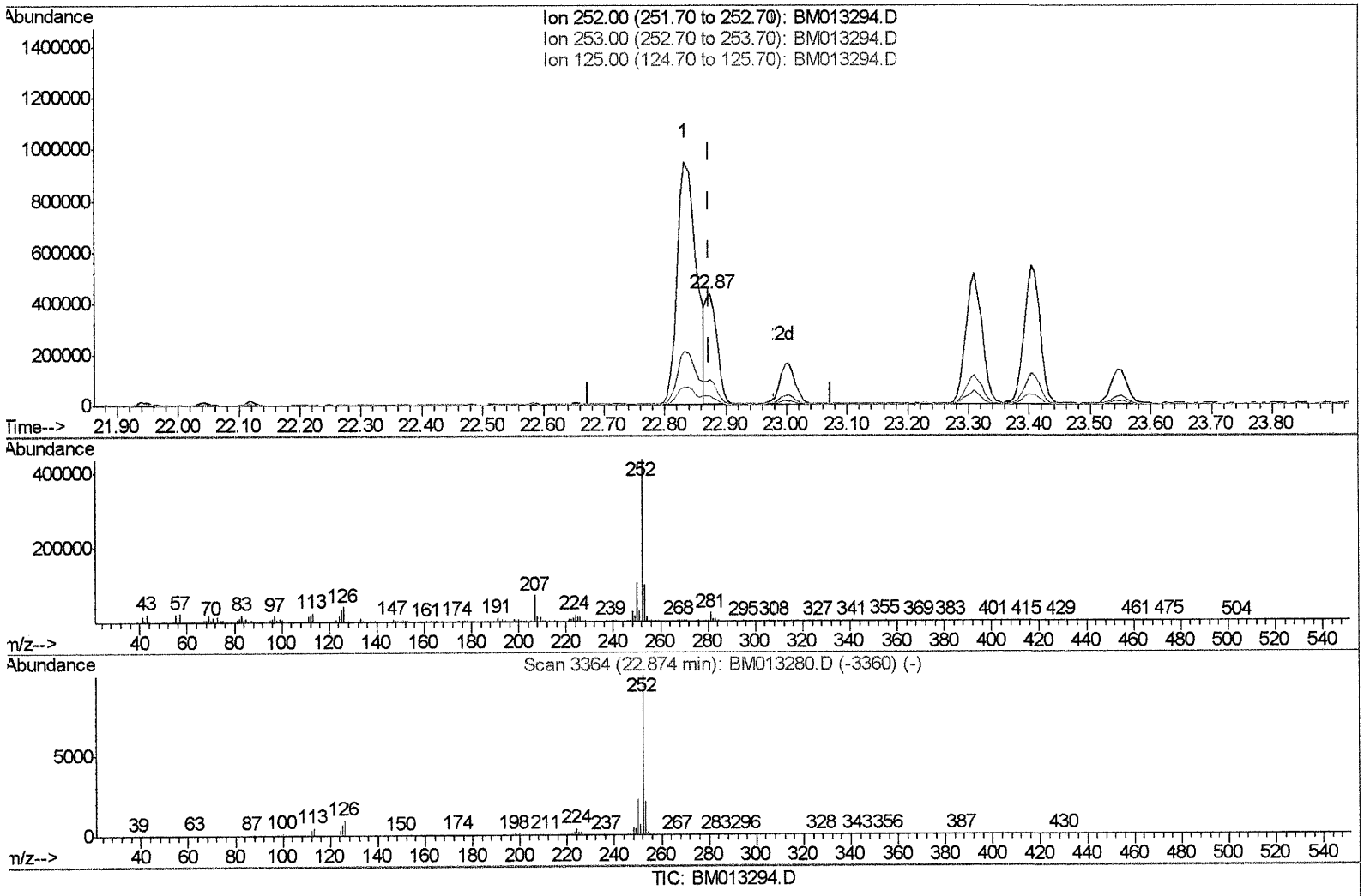
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.40 | 22.41 |
| 125.00 | 4.30 | 7.48# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 11 00:50:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F9B07

**Manual Integrations APPROVED**
Sohil
12/11/2017 6:16:24 PM




TIC: BM013294.D

(86) Benzo(k)fluoranthene

22.874min (+0.000) 6.69ng/ul m> SJ 12/11/17

response 579760

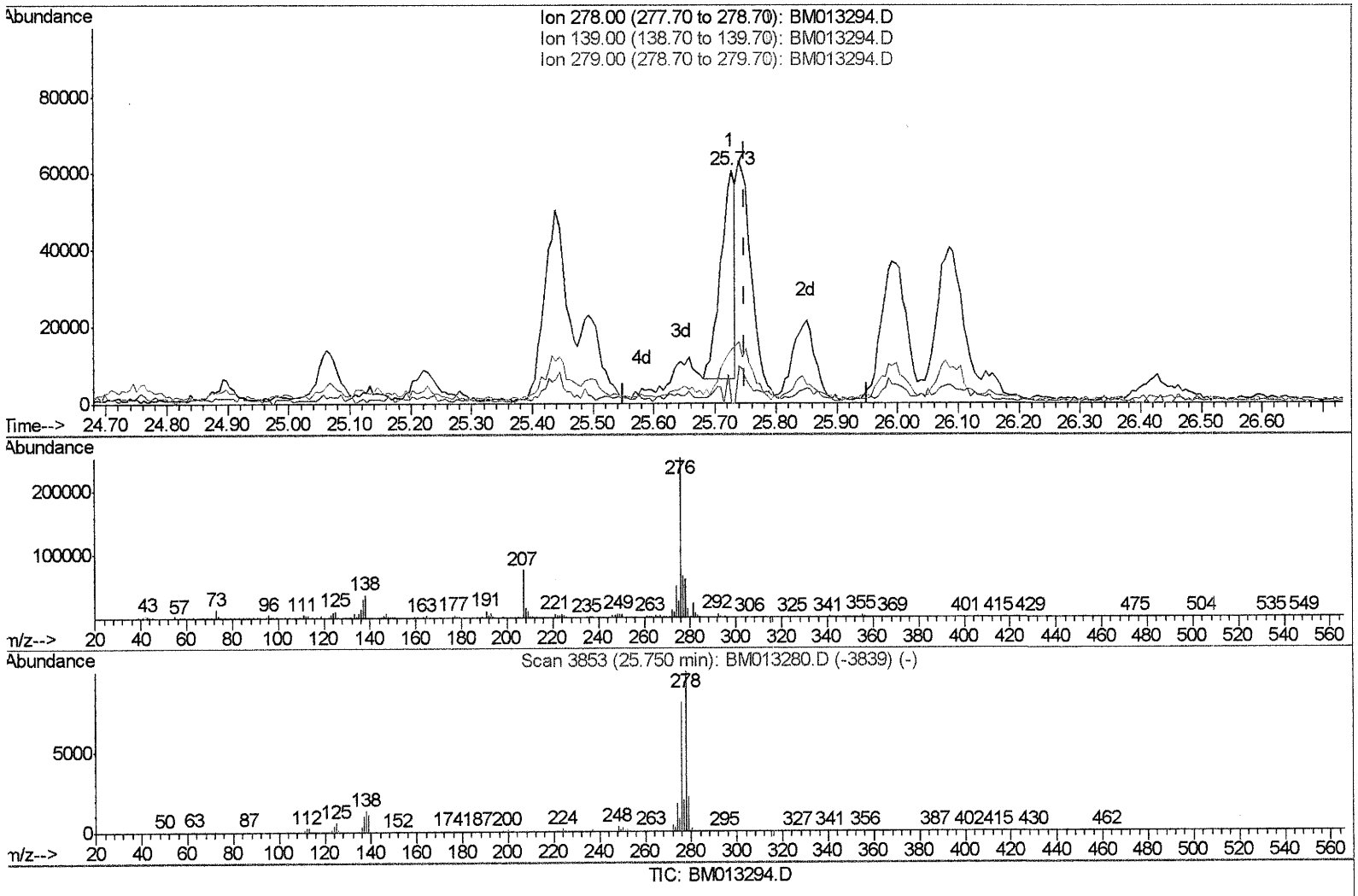
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.40 | 22.62 |
| 125.00 | 4.30 | 7.69# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 11 00:50:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F9B07

**Manual Integrations APPROVED**
Sohil
12/11/2017 6:16:24 PM




TIC: BM013294.D

(90) Dibenzo(a,h)anthracene

25.727min (-0.023) 1.31ng/ul

response 91736

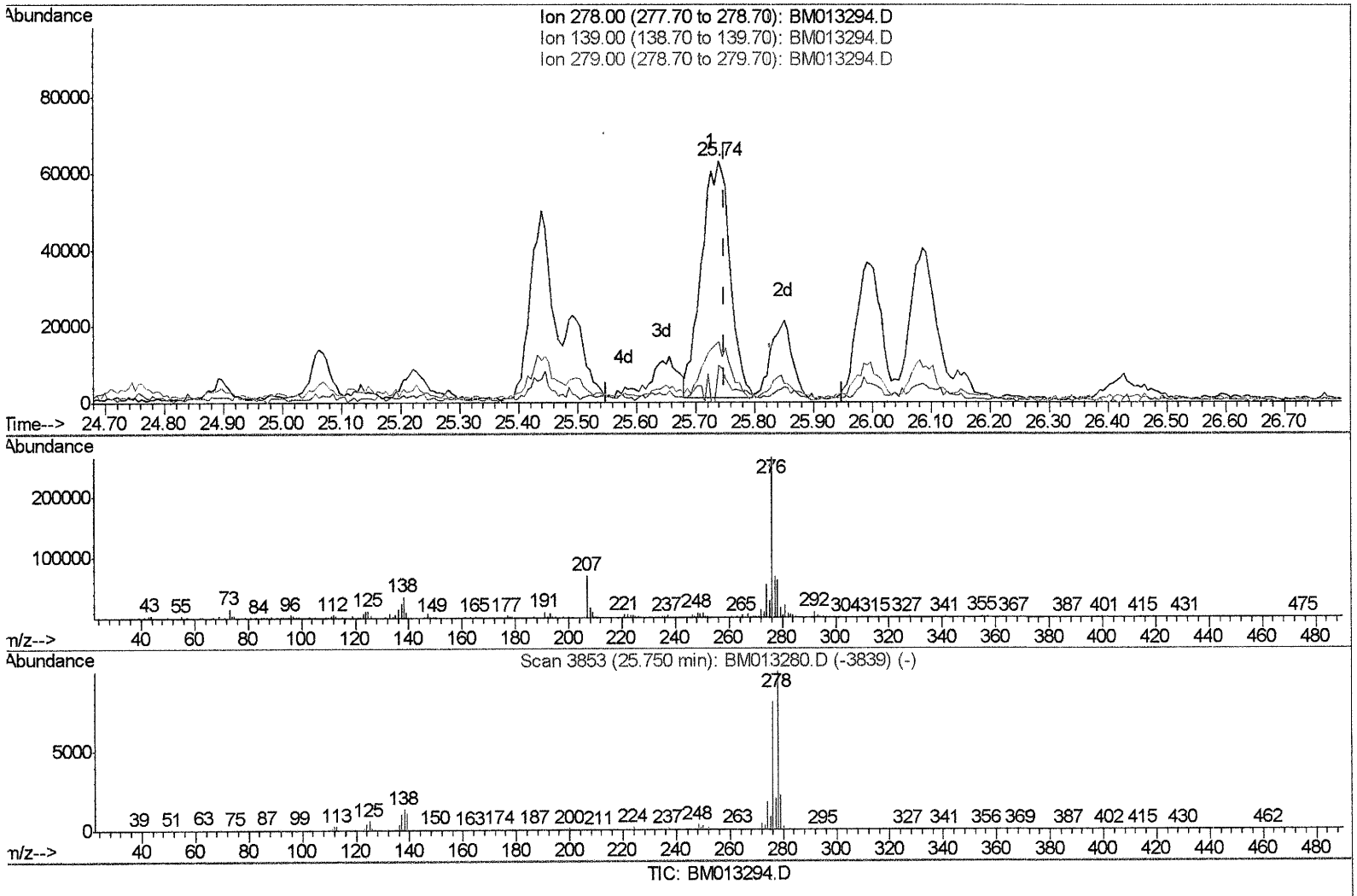
| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 7.30 | 0.00# |
| 279.00 | 23.20 | 23.47 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 11 00:50:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
F9B07

**Manual Integrations APPROVED**
Sohil
12/11/2017 6:16:24 PM




TIC: BM013294.D

(90) Dibenzo(a,h)anthracene

25.738min (-0.012) 3.01ng/ul m> 50 12/11/17

response 210228

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 7.30 | 15.34# |
| 279.00 | 23.20 | 25.69 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
Data File : BM013294.D
Acq On : 09 Dec 2017 06:32
Operator : SJ/JU
Sample : I6758-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9B07

**Manual Integrations APPROVED**
Sohil
12/11/2017 6:16:24 PM

Quant Time: Dec 11 02:03:40 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 08 23:45:50 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.69 | 152 | 233887 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.47 | 136 | 1008004 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.33 | 164 | 616416 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.08 | 188 | 1431248 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.27 | 240 | 1580758 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.50 | 264 | 1366876 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.23 | 96 | 11165 | 2.36 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.87 | 99 | 350145 | 17.30 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.03 | 67 | 237360 | 20.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.23 | 132 | 307375 | 19.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.40 | 113 | 306015 | 17.70 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.85 | 128 | 177912 | 22.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.56 | 143 | 178010 | 20.81 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.10 | 165 | 329505 | 18.69 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.61 | 131 | 150842 | 9.31 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.75 | 166 | 899698 | 16.40 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.02 | 160 | 1472259 | 21.75 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.55 | 143 | 63983 | 6.71 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.33 | 176 | 1024432 | 21.72 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 67533 | 7.50 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.18 | 188 | 1565797 | 21.84 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.48 | 212 | 1716281 | 21.79 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.36 | 264 | 1420693 | 20.41 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.90 | 94 | 29983 | 1.499 | ng/ul# | 77 |
| 44) Dimethylphthalate | 13.79 | 163 | 88079 | 1.679 | ng/ul | 96 |
| 47) Acenaphthylene | 14.05 | 152 | 242492 | 3.871 | ng/ul | 97 |
| 71) Anthracene | 17.22 | 178 | 212432 | 2.556 | ng/ul | 99 |
| 74) Fluoranthene | 19.14 | 202 | 1286175 | 12.907 | ng/ul# | 94 |
| 77) Pyrene | 19.51 | 202 | 1751460 | 18.238 | ng/ul# | 92 |
| 80) Benzo(a)anthracene | 21.26 | 228 | 723512 | 7.214 | ng/ul | 94 |
| 82) Chrysene | 21.30 | 228 | 1077553m | 11.581 | ng/ul | SJ 12/11/17 |
| 85) Benzo(b)fluoranthene | 22.83 | 252 | 2050925 | 22.258 | ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 22.87 | 252 | 579760m | 6.686 | ng/ul | SJ 12/11/17 |
| 88) Benzo(a)pyrene | 23.40 | 252 | 967616 | 11.690 | ng/ul# | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 25.73 | 276 | 740221 | 9.013 | ng/ul# | 95 |
| 90) Dibenzo(a,h)anthracene | 25.74 | 278 | 210228m | 3.006 | ng/ul | SJ 12/11/17 |
| 91) Benzo(g,h,i)perylene | 26.42 | 276 | 580289 | 8.958 | ng/ul# | 95 |

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