

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\  
 Data File : BE099746.D  
 Acq On : 24 May 2019 17:21  
 Operator : JU/SJ  
 Sample : K3036-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: May 24 21:34:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 20 19:29:40 2019  
 Response via : Initial Calibration

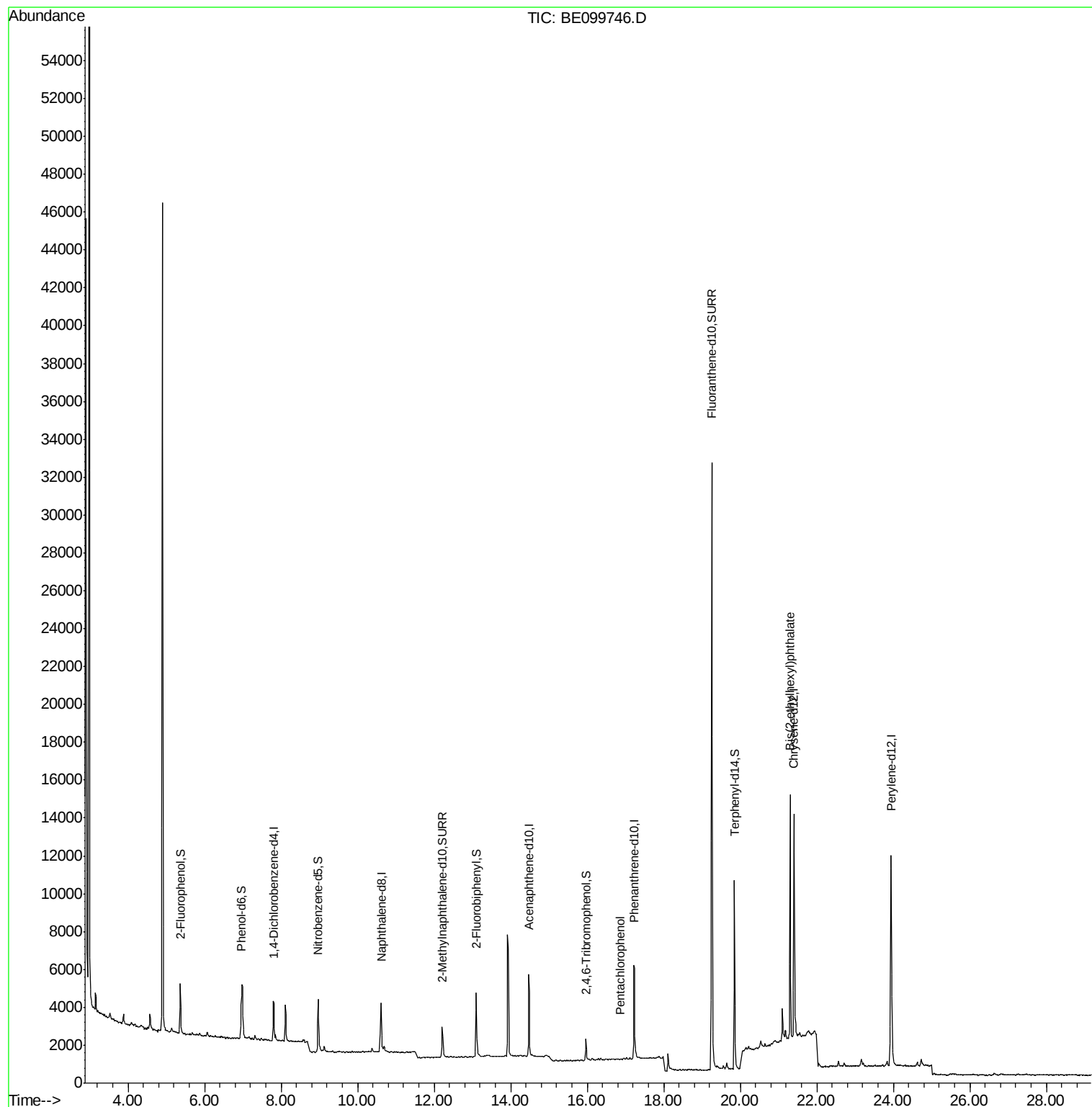
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.81  | 152  | 1234     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.61 | 136  | 4096     | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.47 | 164  | 2969     | 0.40  | ng    | -0.02       |
| 19) Phenanthrene-d10           | 17.23 | 188  | 9607     | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 21.40 | 240  | 14781    | 0.40  | ng    | -0.01       |
| 34) Perylene-d12               | 23.94 | 264  | 17943    | 0.40  | ng    | -0.02       |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.36  | 112  | 1484     | 0.48  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.96  | 99   | 2137     | 0.52  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.96  | 82   | 1482     | 0.42  | ng    | -0.01       |
| 11) 2-Methylnaphthalene-d10    | 12.21 | 152  | 2665     | 0.38  | ng    | -0.02       |
| 14) 2,4,6-Tribromophenol       | 15.97 | 330  | 818      | 0.49  | ng    | -0.01       |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 4080     | 0.36  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.25 | 212  | 46369    | 0.35  | ng    | -0.01       |
| 29) Terphenyl-d14              | 19.85 | 244  | 9598     | 0.36  | ng    | -0.02       |
| Target Compounds               |       |      |          |       |       |             |
| 22) Pentachlorophenol          | 16.87 | 266  | 2        | 0.182 | ng    | Qvalue # 78 |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 13615    | 0.281 | ng    | 100         |

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

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Misc :  
ALS Vial : 12 Sample Multiplier: 1

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BNA\_E  
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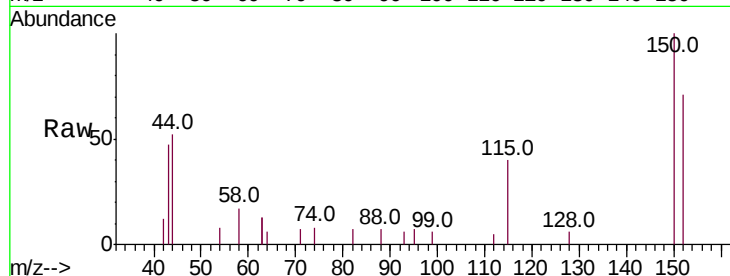


#1

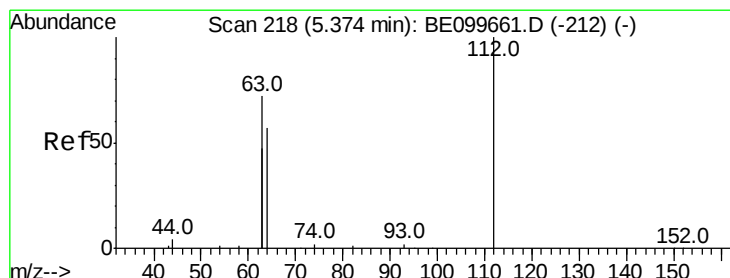
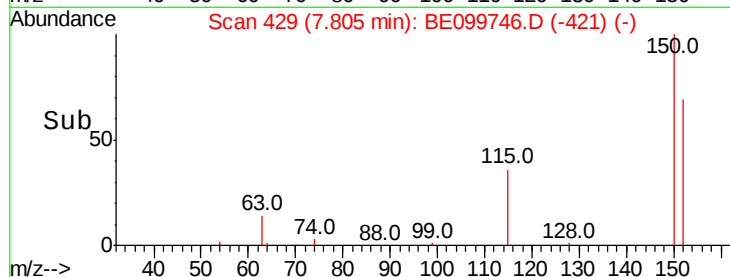
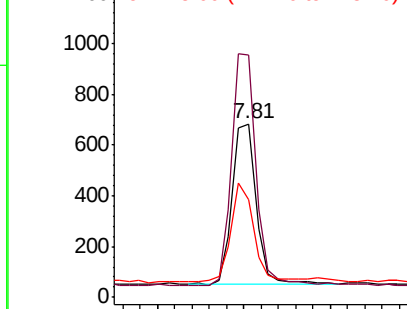
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.81 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: BE099746.D  
Acq: 24 May 2019 17:21

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 1234  
Ion Ratio Lower Upper  
152 100  
150 140.3 109.2 163.8  
115 56.4 43.7 65.5



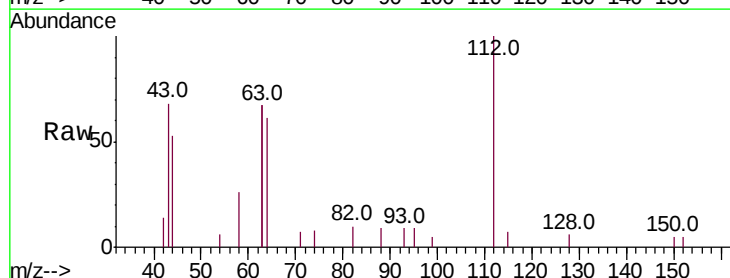
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



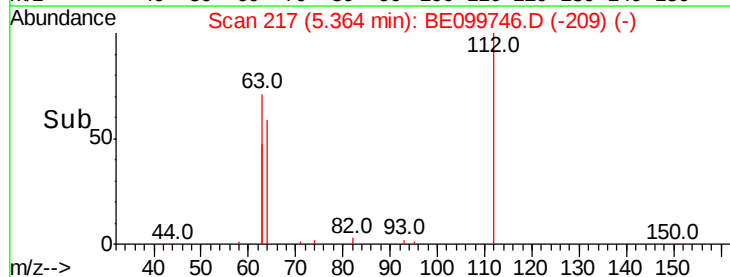
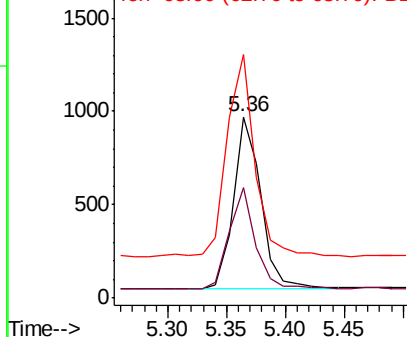
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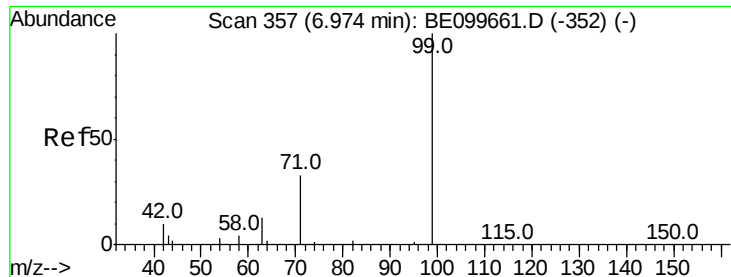
2-Fluorophenol  
Concen: 0.476 ng  
RT: 5.36 min Scan# 217  
Delta R.T. -0.01 min  
Lab File: BE099746.D  
Acq: 24 May 2019 17:21

Tgt Ion:112 Resp: 1484  
Ion Ratio Lower Upper  
112 100  
64 55.9 43.4 65.2  
63 119.3 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.518 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099746.D

Acq: 24 May 2019 17:21

Instrument :

BNA\_E

ClientSampled :

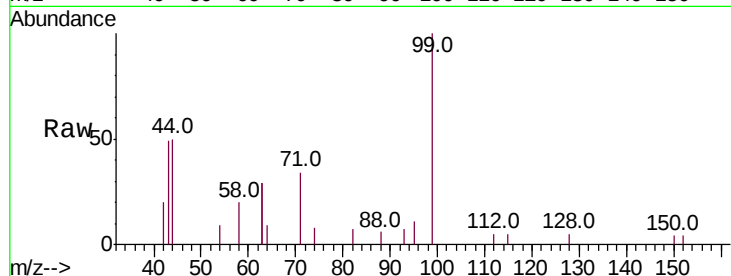
Tot Ion: 99 Resp: 2137

Ion Ratio Lower Upper

99 100

42 18.0 12.2 18.2

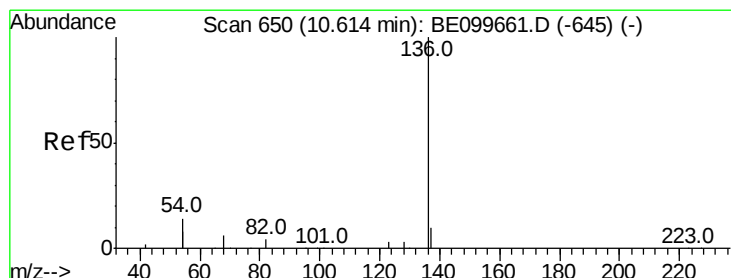
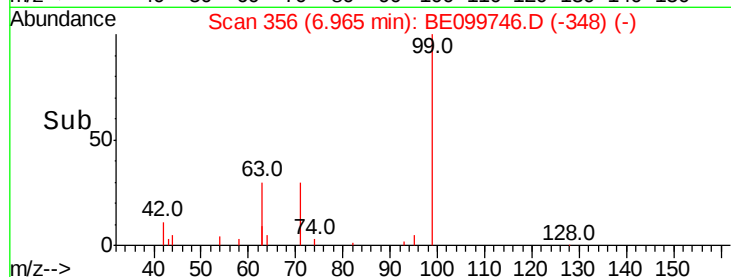
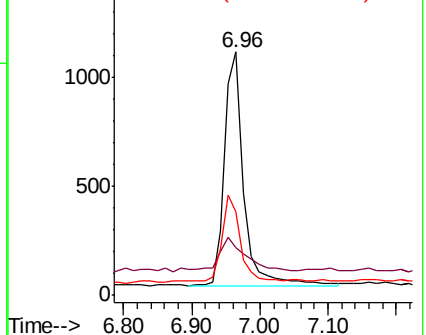
71 34.7 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099746.D

Acq: 24 May 2019 17:21

Tgt Ion: 136 Resp: 4096

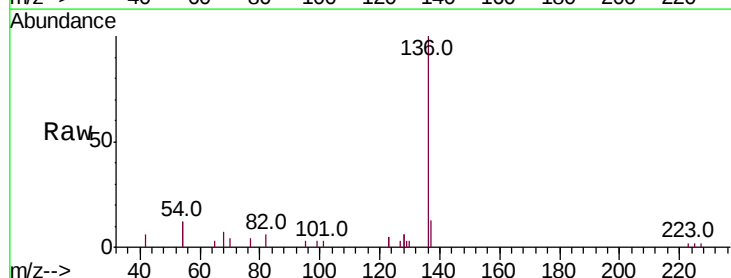
Ion Ratio Lower Upper

136 100

137 12.6 9.0 13.6

54 24.4 22.3 33.5

68 6.6 6.0 9.0

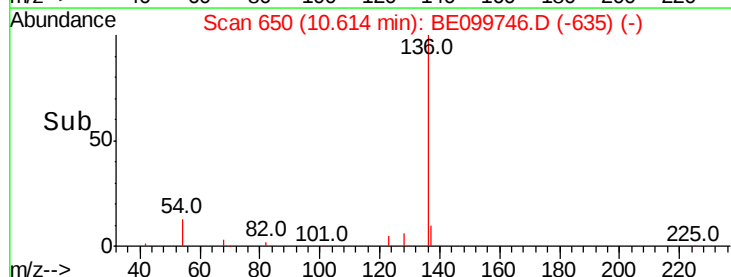
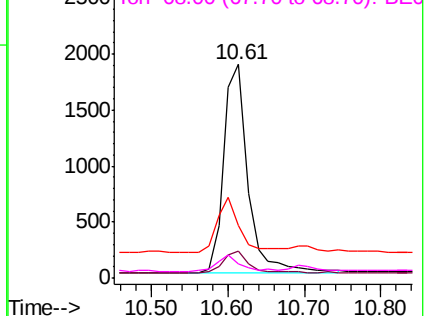


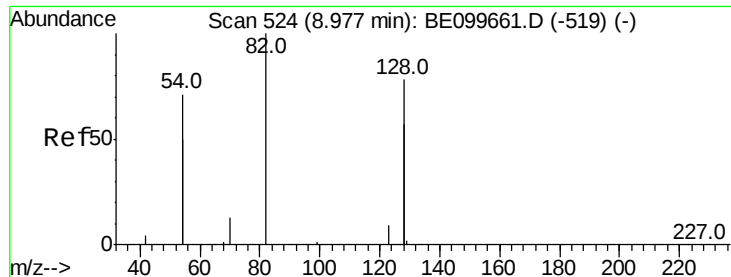
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

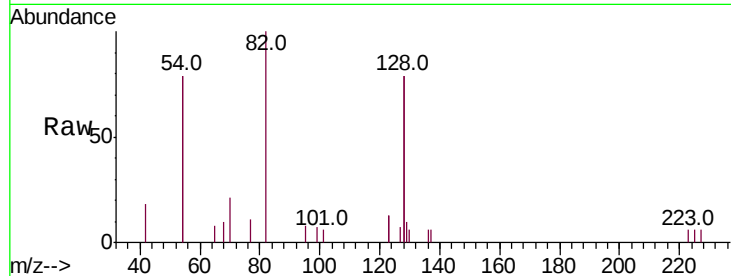




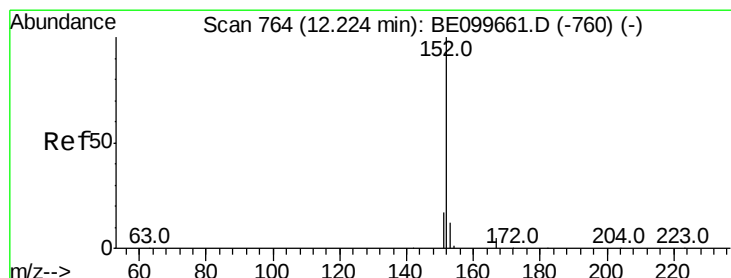
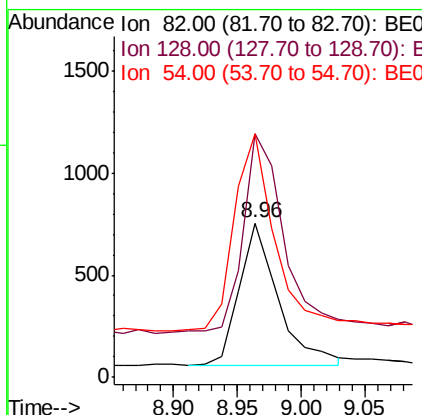
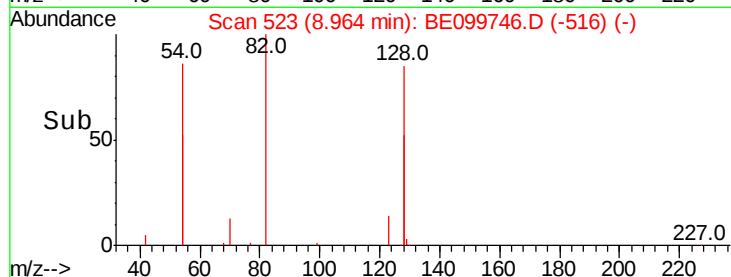
#8  
 Nitrobenzene-d5  
 Concen: 0.418 ng  
 RT: 8.96 min Scan# 523  
 Delta R.T. -0.01 min  
 Lab File: BE099746.D  
 Acq: 24 May 2019 17:21

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion: 82 Resp: 1482  
 Ion Ratio Lower Upper  
 82 100  
 128 157.8 117.7 176.5  
 54 158.1 106.6 160.0

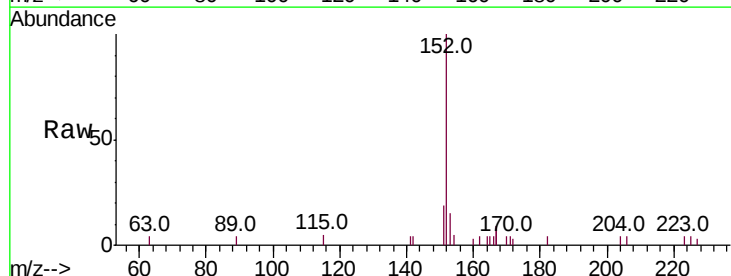


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BE0

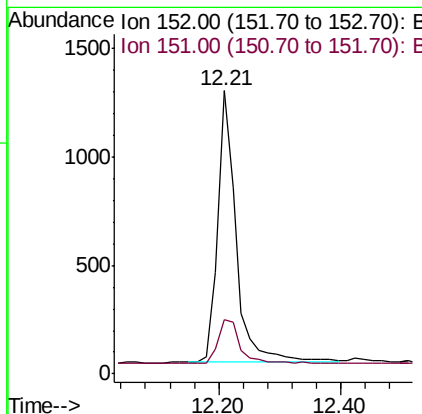
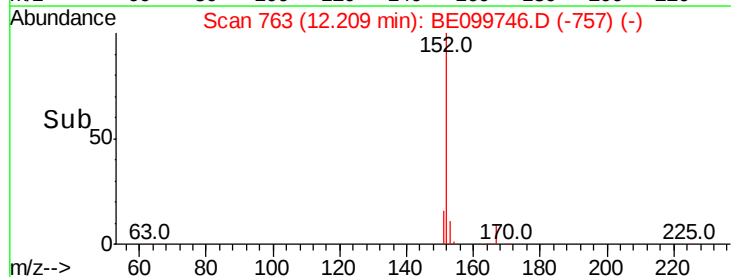


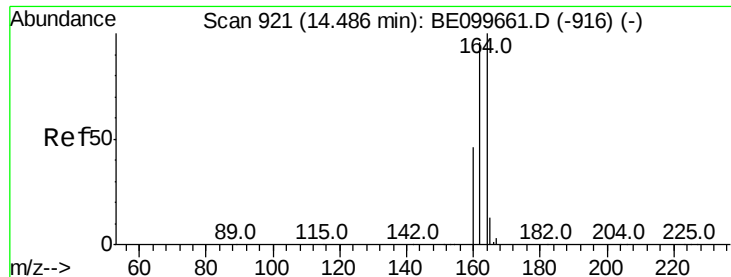
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.377 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. -0.02 min  
 Lab File: BE099746.D  
 Acq: 24 May 2019 17:21

Tgt Ion: 152 Resp: 2665  
 Ion Ratio Lower Upper  
 152 100  
 151 19.0 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 151.00 (150.70 to 151.70): E

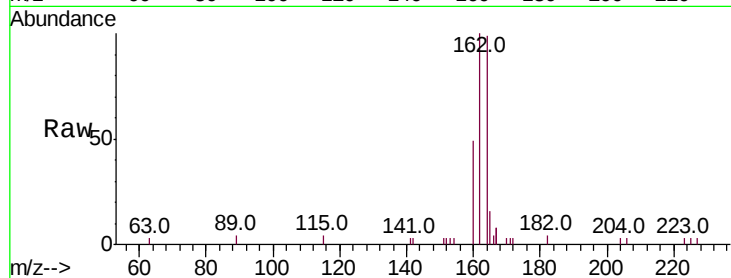




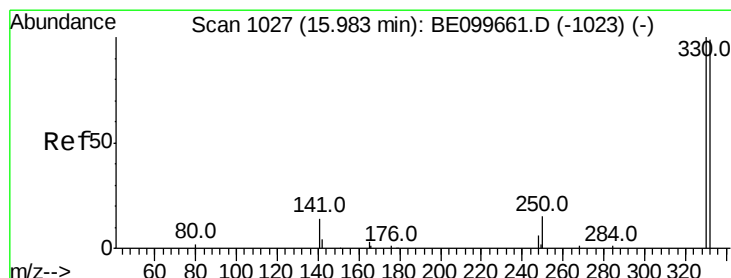
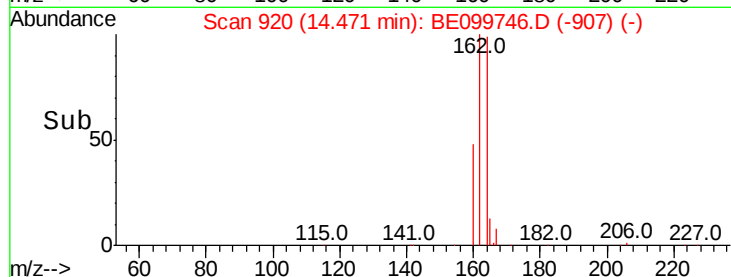
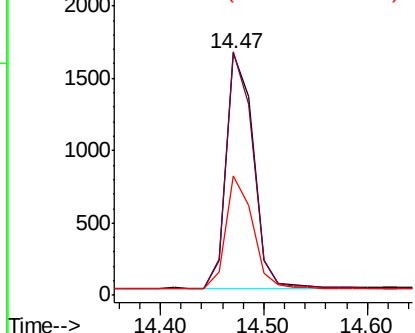
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.47 min Scan# 920  
 Delta R.T. -0.02 min  
 Lab File: BE099746.D  
 Acq: 24 May 2019 17:21

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:164 Resp: 2969  
 Ion Ratio Lower Upper  
 164 100  
 162 100.6 76.5 114.7  
 160 49.4 37.4 56.2

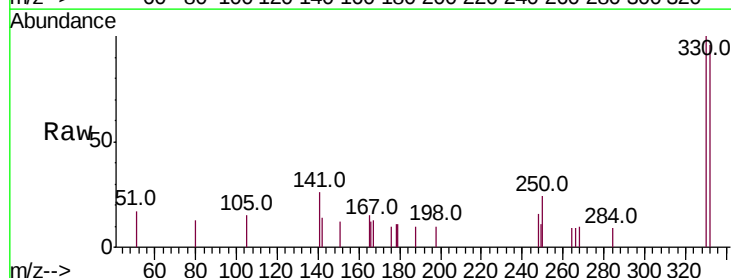


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

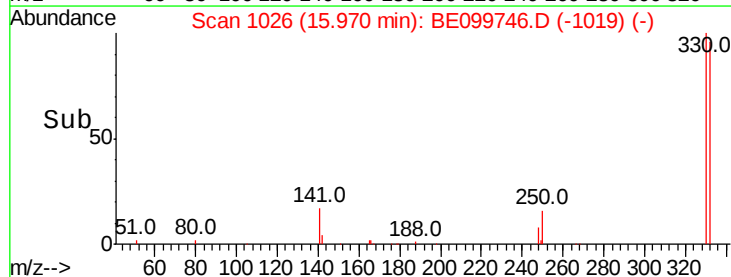
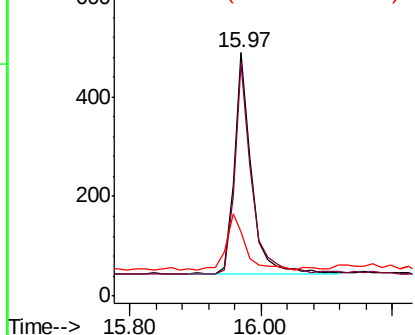


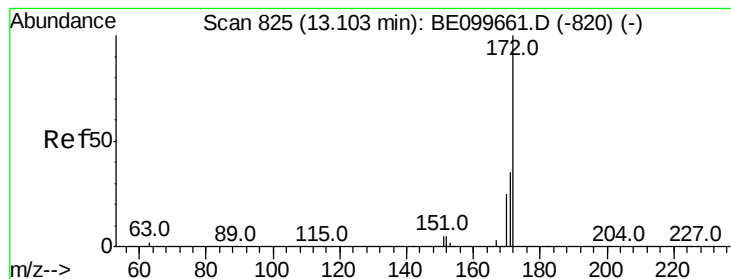
#14  
 2,4,6-Tribromophenol  
 Concen: 0.489 ng  
 RT: 15.97 min Scan# 1026  
 Delta R.T. -0.01 min  
 Lab File: BE099746.D  
 Acq: 24 May 2019 17:21

Tgt Ion:330 Resp: 818  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 77.3 115.9  
 141 27.5 18.9 28.3



Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

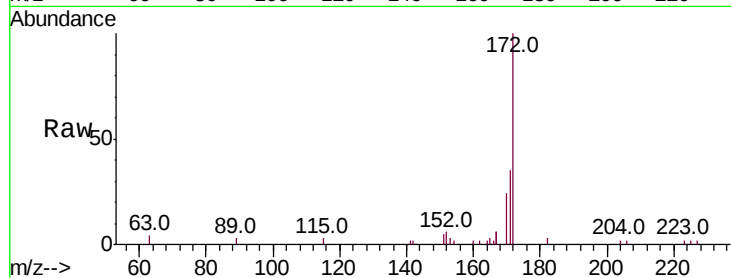




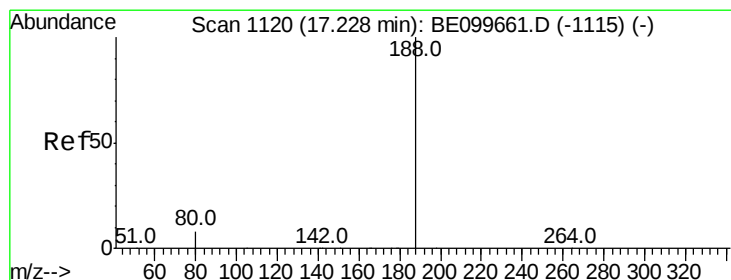
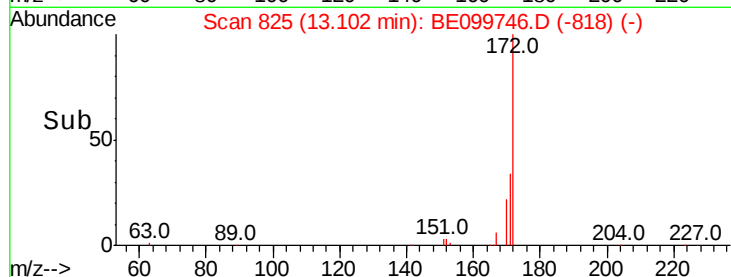
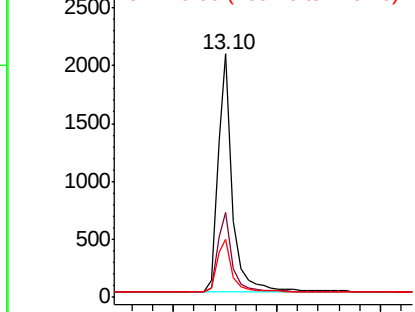
#15  
 2-Fluorobiphenyl  
 Concen: 0.362 ng  
 RT: 13.10 min Scan# 825  
 Delta R.T. -0.00 min  
 Lab File: BE099746.D  
 Acq: 24 May 2019 17:21

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:172 Resp: 4080  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 28.7 43.1  
 170 23.8 20.9 31.3

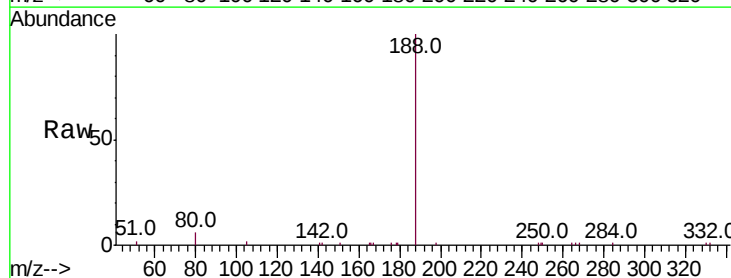


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

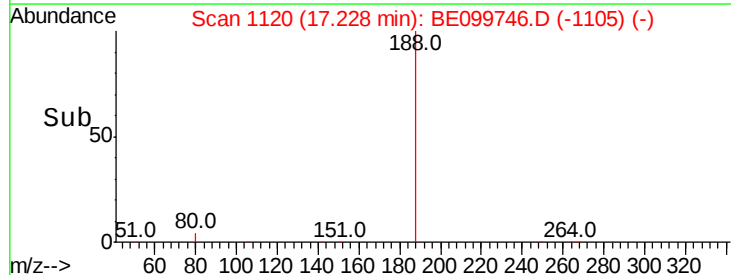
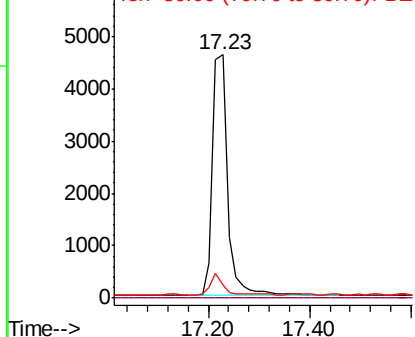


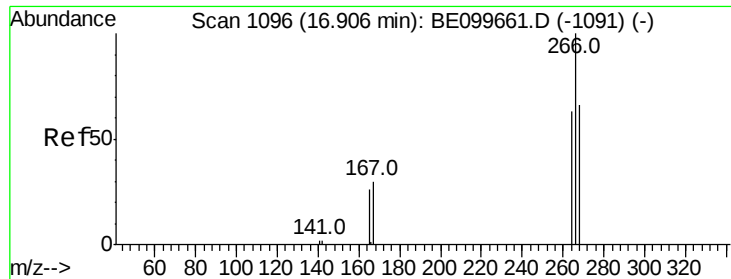
#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.23 min Scan# 1120  
 Delta R.T. 0.00 min  
 Lab File: BE099746.D  
 Acq: 24 May 2019 17:21

Tgt Ion:188 Resp: 9607  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 5.7 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BE0  
 Ion 80.00 (79.70 to 80.70): BE0

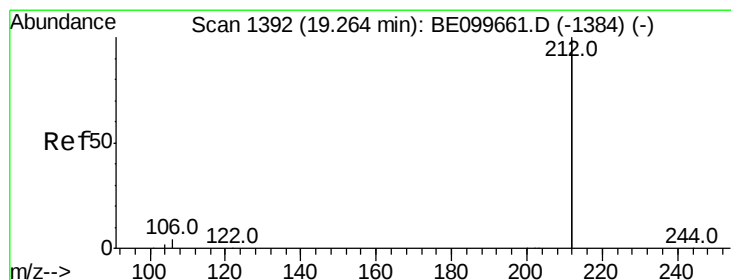
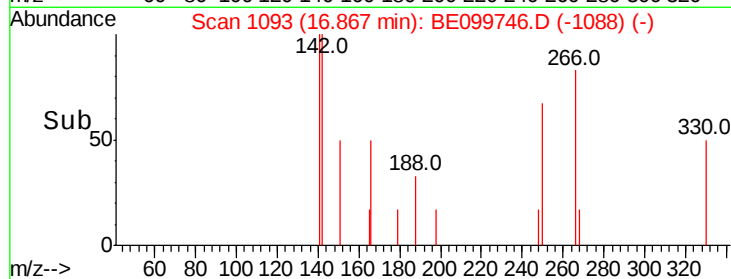
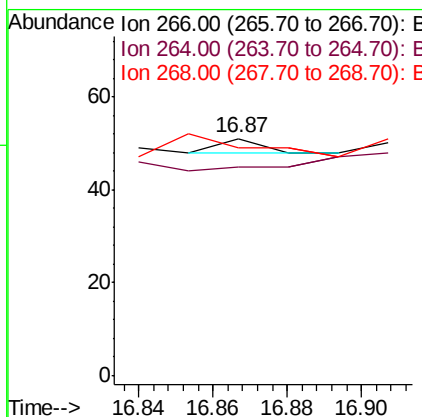
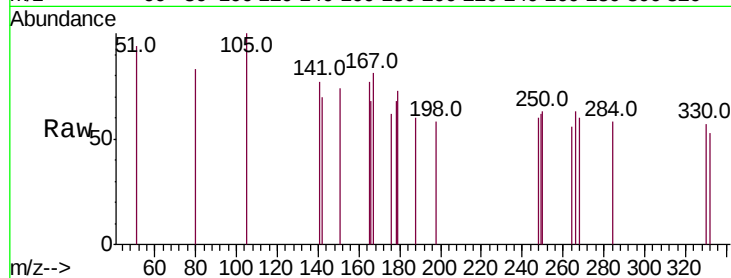




#22  
 Pentachlorophenol  
 Concen: 0.182 ng  
 RT: 16.87 min Scan# 1093  
 Delta R.T. -0.04 min  
 Lab File: BE099746.D  
 Acq: 24 May 2019 17:21

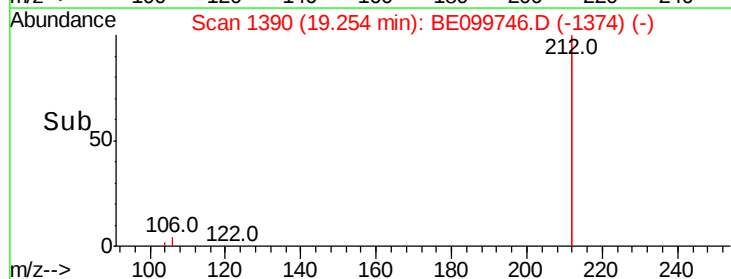
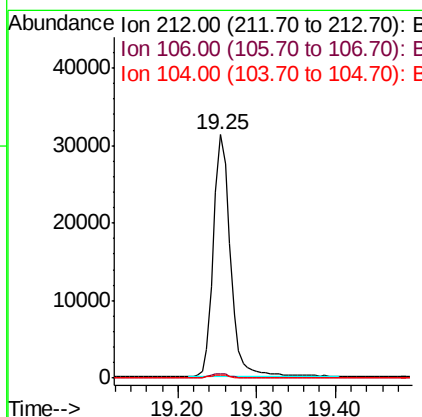
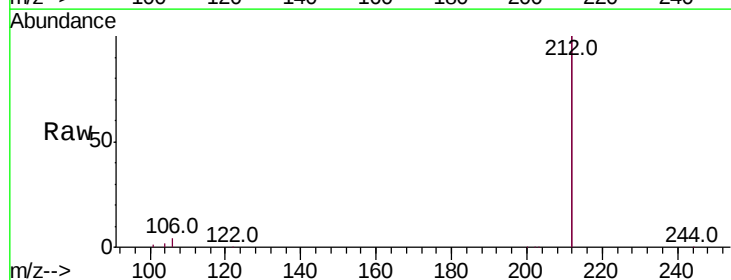
Instrument :  
 BNA\_E  
 ClientSampleId :

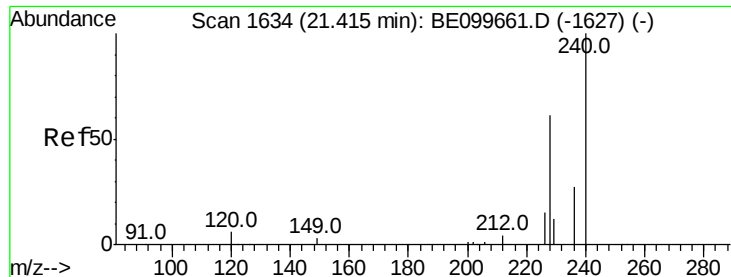
Tot Ion:266 Resp: 2  
 Ion Ratio Lower Upper  
 266 100  
 264 88.2 57.2 85.8#  
 268 96.1 60.5 90.7#



#25  
 Fluoranthene-d10  
 Concen: 0.353 ng  
 RT: 19.25 min Scan# 1390  
 Delta R.T. -0.01 min  
 Lab File: BE099746.D  
 Acq: 24 May 2019 17:21

Tgt Ion:212 Resp: 46369  
 Ion Ratio Lower Upper  
 212 100  
 106 1.9 1.4 2.2  
 104 1.1 0.8 1.2





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099746.D

Acq: 24 May 2019 17:21

Instrument :

BNA\_E

ClientSampled :

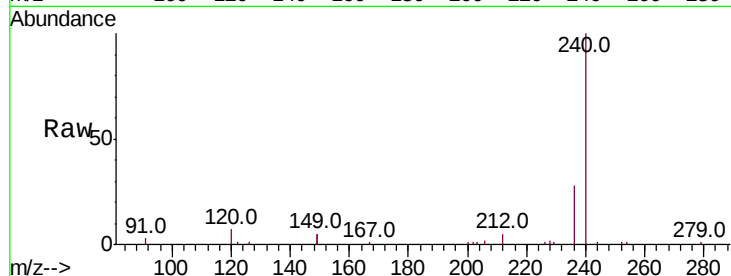
Tot Ion:240 Resp: 14781

Ion Ratio Lower Upper

240 100

120 7.4 5.4 8.0

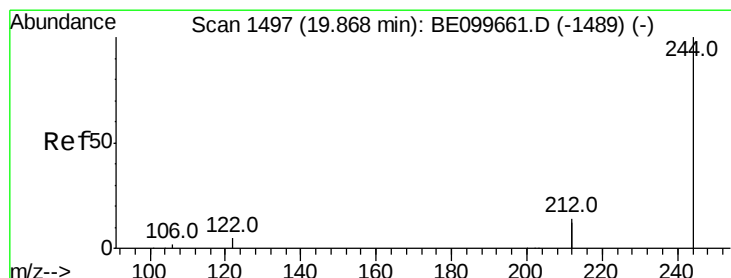
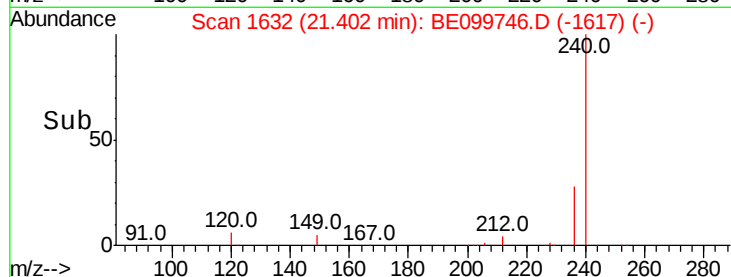
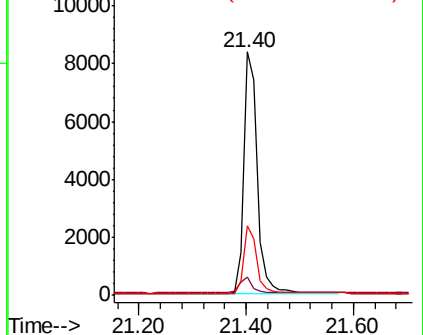
236 28.4 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#29

Terphenyl-d14

Concen: 0.364 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099746.D

Acq: 24 May 2019 17:21

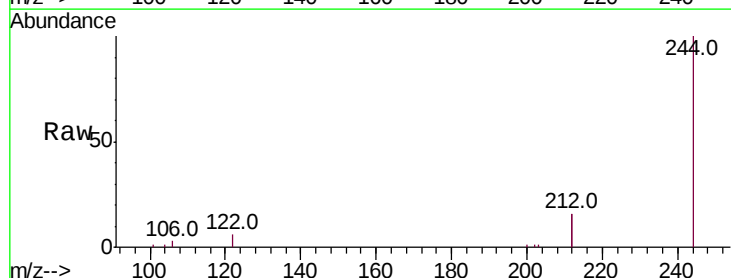
Tgt Ion:244 Resp: 9598

Ion Ratio Lower Upper

244 100

212 31.1 22.5 33.7

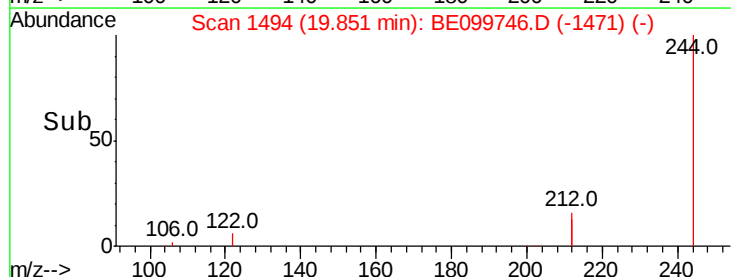
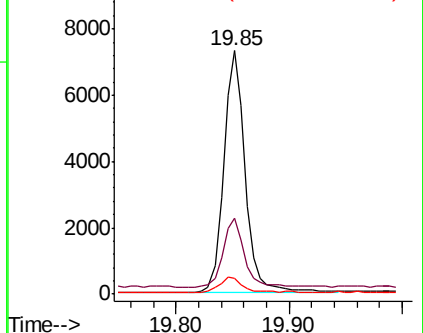
122 6.4 4.3 6.5

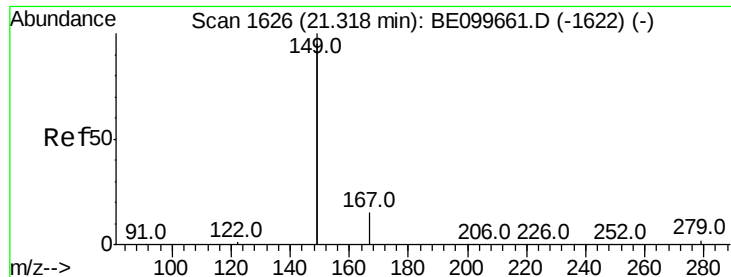


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.281 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099746.D

Acq: 24 May 2019 17:21

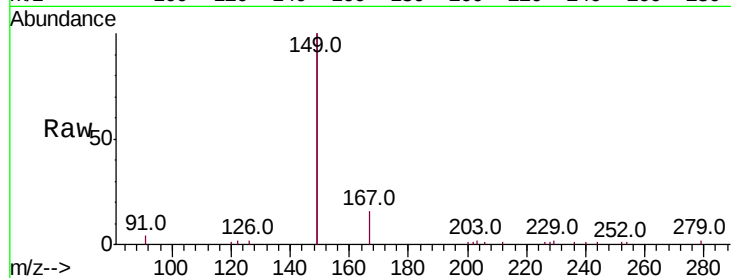
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:149 Resp: 13615

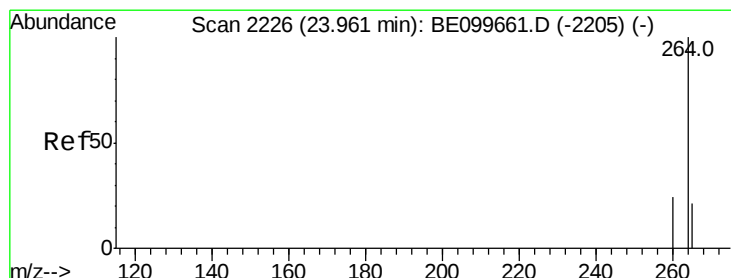
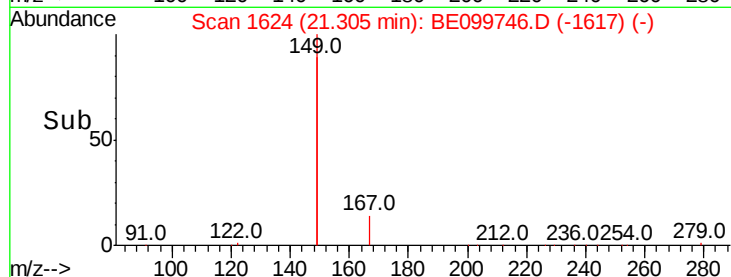
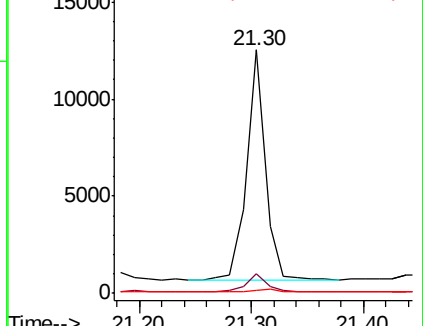
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 7.7   | 6.2   | 9.4   |
| 279 | 1.4   | 1.2   | 1.8   |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2220

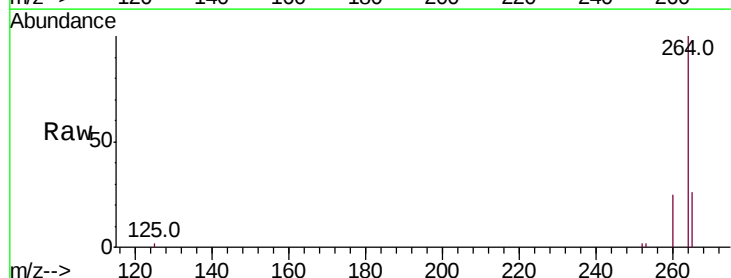
Delta R.T. -0.02 min

Lab File: BE099746.D

Acq: 24 May 2019 17:21

Tgt Ion:264 Resp: 17943

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.0  | 19.6  | 29.4  |
| 265 | 26.0  | 19.1  | 28.7  |



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

