

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE103124\
 Data File : BE101439.D
 Acq On : 31 Oct 2024 18:49
 Operator : RC/JU
 Sample : P4594-01RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TP-4

Quant Time: Nov 01 06:15:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

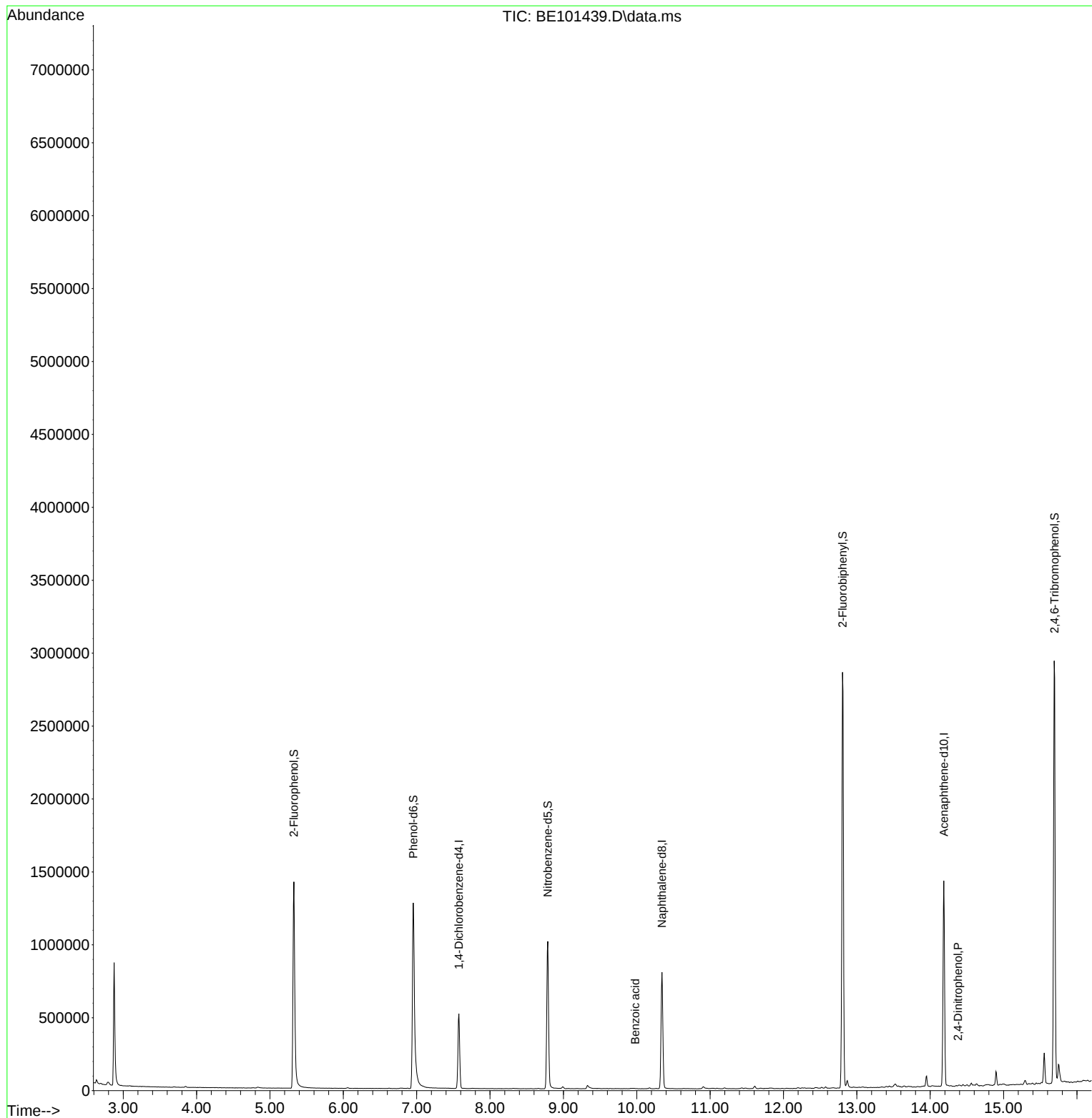
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.576	152	147844	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	703088	20.000	ng	0.00
39) Acenaphthene-d10	14.186	164	494682	20.000	ng	0.00
64) Phenanthrene-d10	16.924	188	1108938	20.000	ng	0.00
76) Chrysene-d12	21.084	240	1141345	20.000	ng	0.00
86) Perylene-d12	23.381	264	1476803	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.325	112	776719	92.079	ng	0.00
7) Phenol-d6	6.953	99	1009592	86.316	ng	0.00
23) Nitrobenzene-d5	8.786	82	619131	55.309	ng	0.00
42) 2,4,6-Tribromophenol	15.696	330	739741	85.320	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	1531232	52.422	ng	0.00
79) Terphenyl-d14	19.515	244	2775495	55.969	ng	0.00
Target Compounds						
32) Benzoic acid	9.979	122	24	8.218	ng	Qvalue 89
54) 2,4-Dinitrophenol	14.380	184	28	5.621	ng	# 42

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

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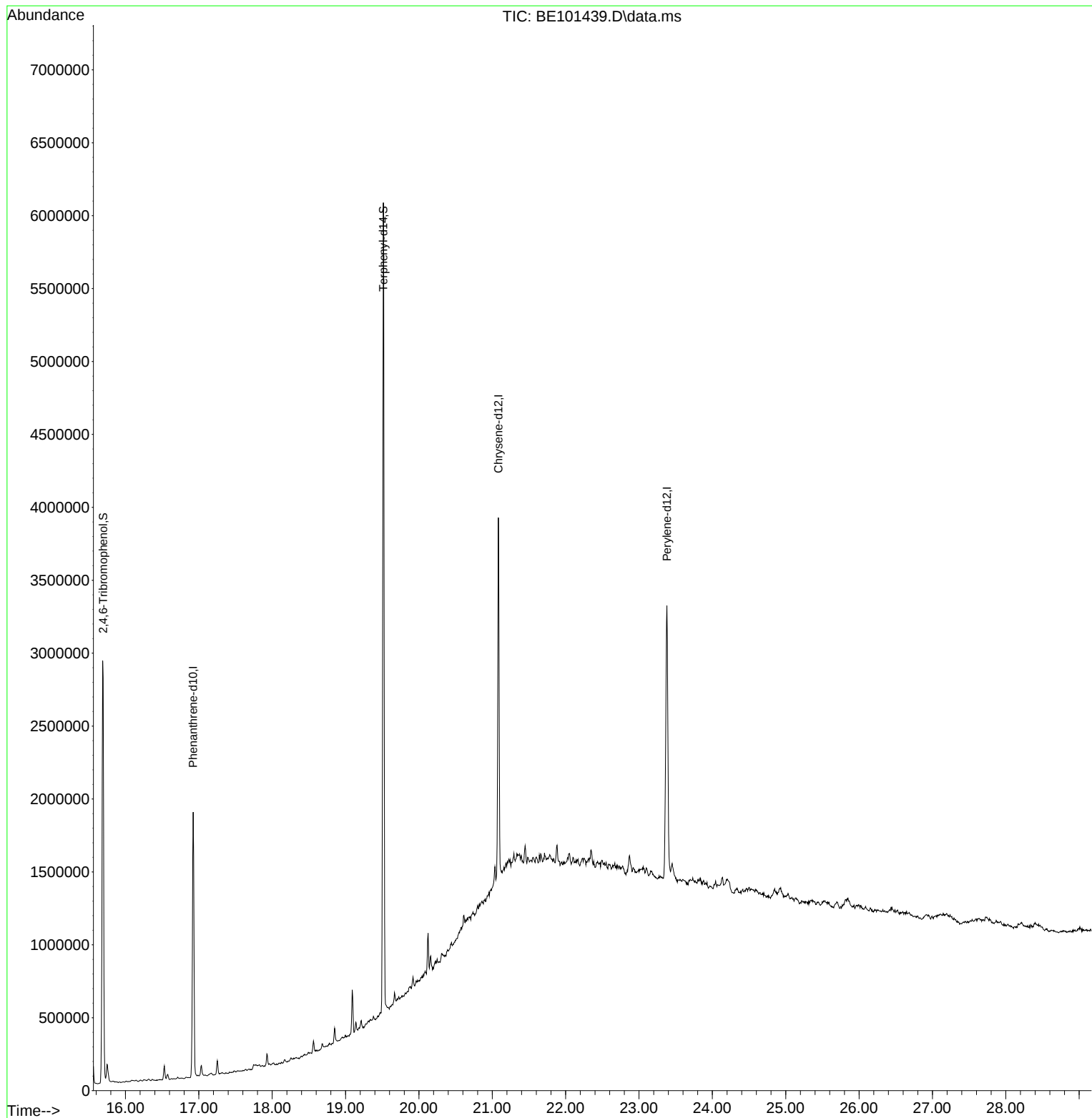
Quant Time: Nov 01 06:15:55 2024
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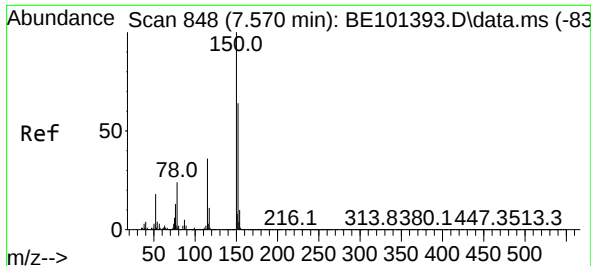


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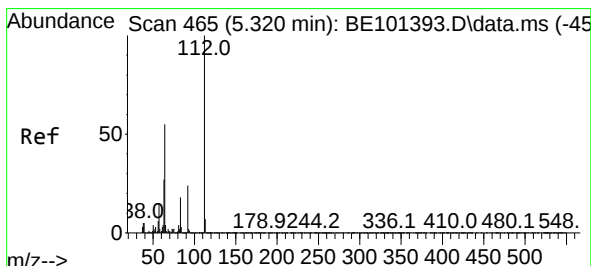
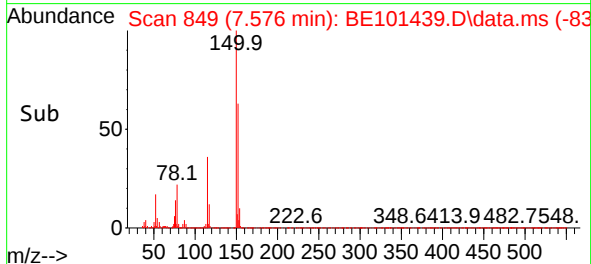
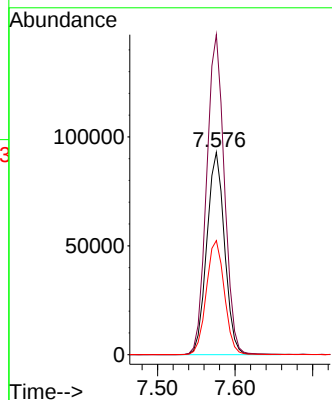
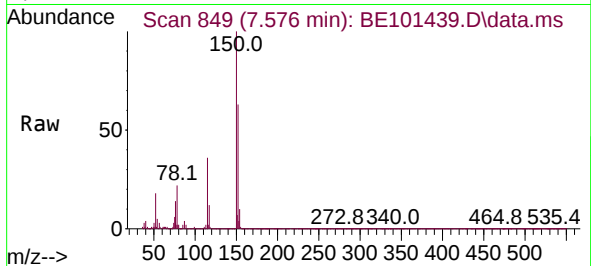




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.576 min Scan# 848
Delta R.T. 0.006 min
Lab File: BE101439.D
Acq: 31 Oct 2024 18:49

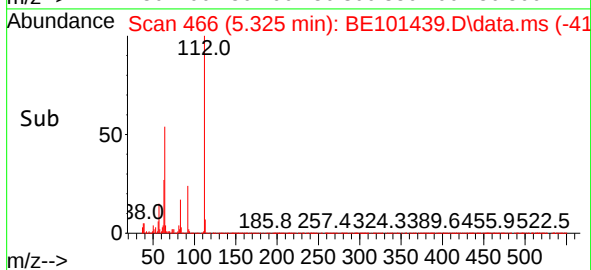
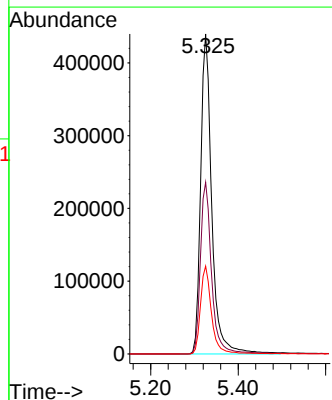
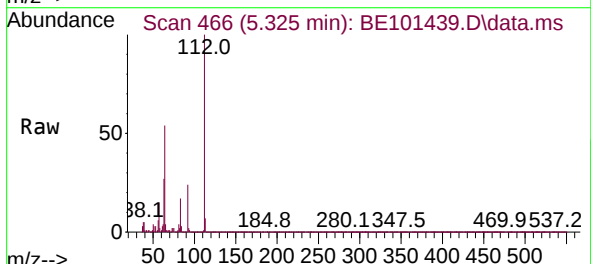
Instrument :
BNA_E
ClientSampleId :
TP-4

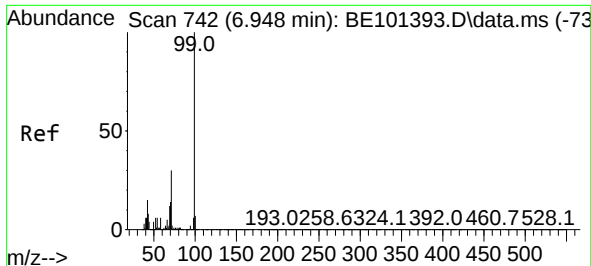
Tgt Ion:152 Resp: 147844
Ion Ratio Lower Upper
152 100
150 158.1 124.2 186.4
115 56.3 45.3 67.9



#5
2-Fluorophenol
Concen: 92.079 ng
RT: 5.325 min Scan# 466
Delta R.T. 0.005 min
Lab File: BE101439.D
Acq: 31 Oct 2024 18:49

Tgt Ion:112 Resp: 776719
Ion Ratio Lower Upper
112 100
64 53.7 43.7 65.5
63 27.5 21.4 32.2





#7

Phenol-d6

Concen: 86.316 ng

RT: 6.953 min Scan# 74

Delta R.T. 0.005 min

Lab File: BE101439.D

Acq: 31 Oct 2024 18:49

Instrument :

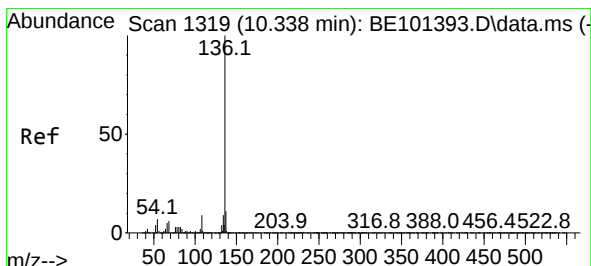
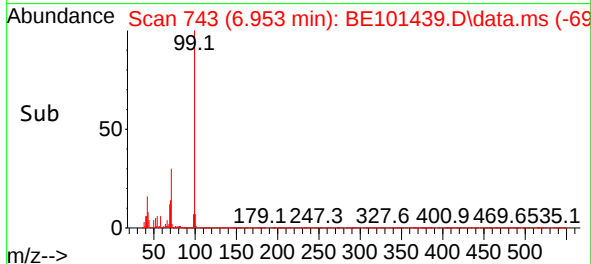
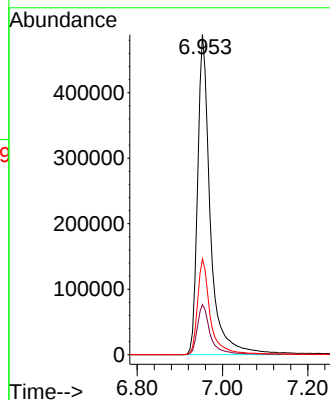
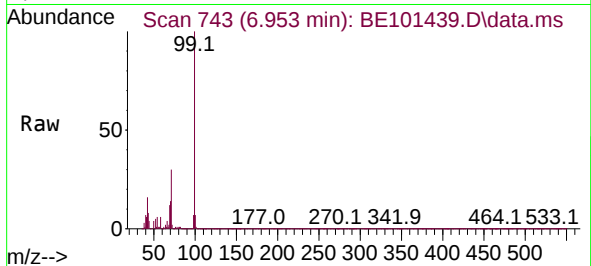
BNA_E

ClientSampleId :

TP-4

Tgt Ion: 99 Resp: 1009592

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.3	18.5
71	30.0	23.8	35.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.343 min Scan# 1320

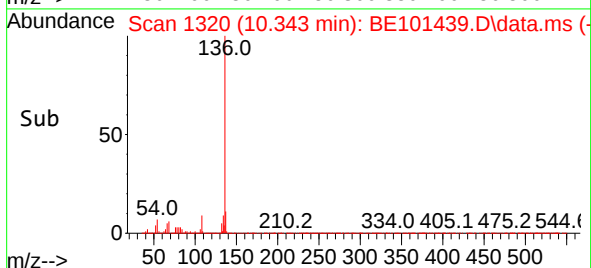
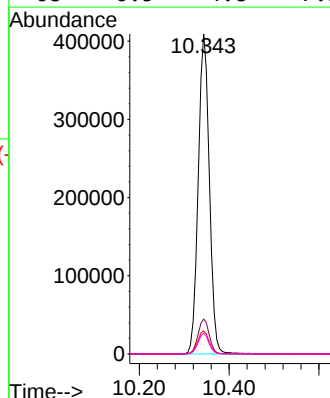
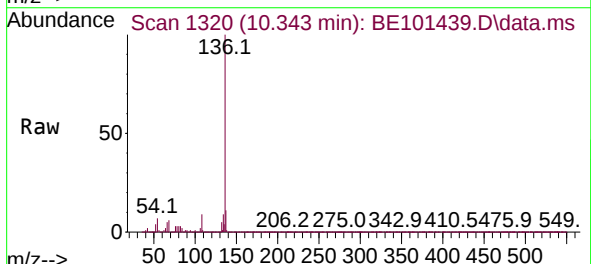
Delta R.T. 0.005 min

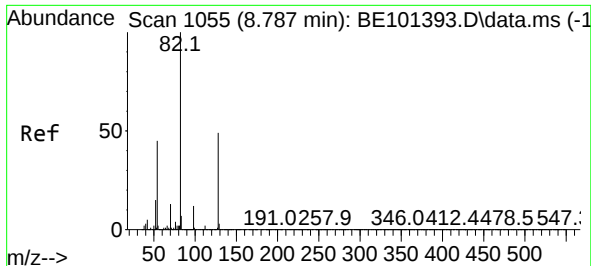
Lab File: BE101439.D

Acq: 31 Oct 2024 18:49

Tgt Ion:136 Resp: 703088

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.2	5.9	8.9
68	6.5	4.8	7.2

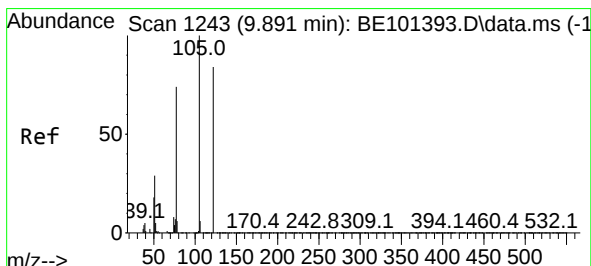
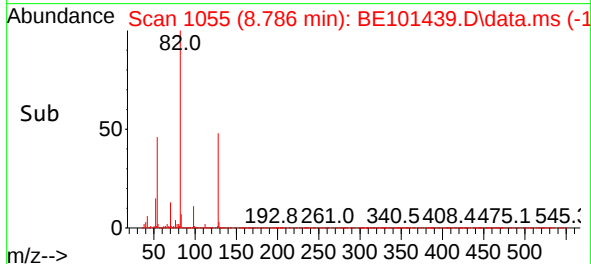
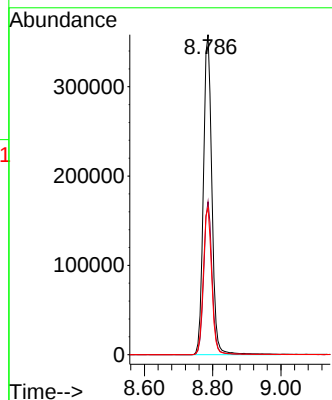
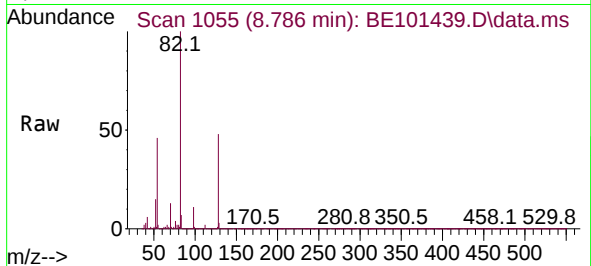




#23
Nitrobenzene-d5
Concen: 55.309 ng
RT: 8.786 min Scan# 1055
Delta R.T. -0.001 min
Lab File: BE101439.D
Acq: 31 Oct 2024 18:49

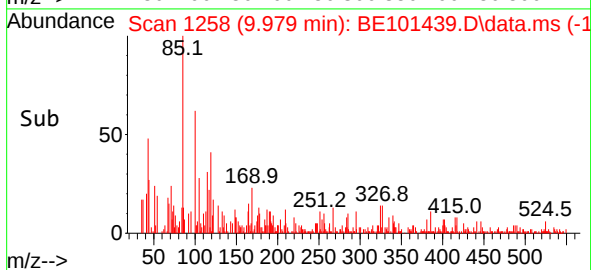
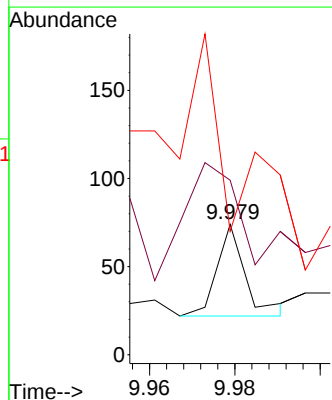
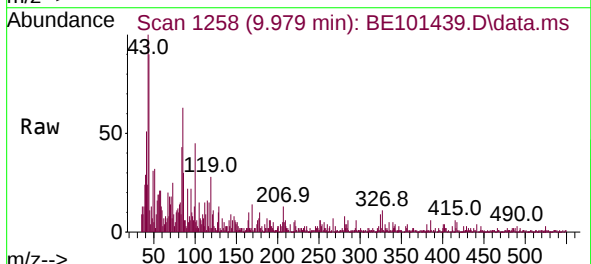
Instrument :
BNA_E
ClientSampleId :
TP-4

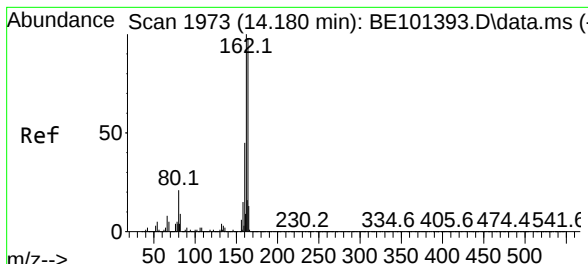
Tgt Ion: 82 Resp: 619131
Ion Ratio Lower Upper
82 100
128 47.8 38.9 58.3
54 45.9 36.2 54.4



#32
Benzoic acid
Concen: 8.218 ng
RT: 9.979 min Scan# 1258
Delta R.T. 0.088 min
Lab File: BE101439.D
Acq: 31 Oct 2024 18:49

Tgt Ion:122 Resp: 24
Ion Ratio Lower Upper
122 100
105 133.8 97.9 137.9
77 94.6 68.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.186 min Scan# 1973

Delta R.T. 0.005 min

Lab File: BE101439.D

Acq: 31 Oct 2024 18:49

Instrument :

BNA_E

ClientSampleId :

TP-4

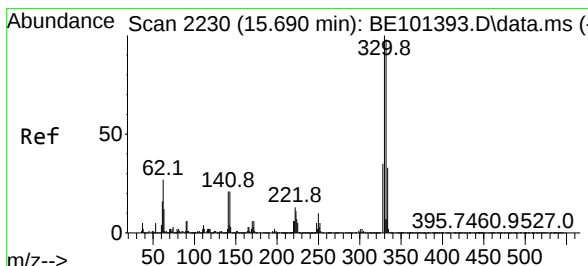
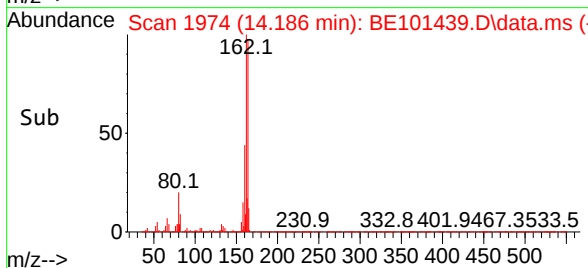
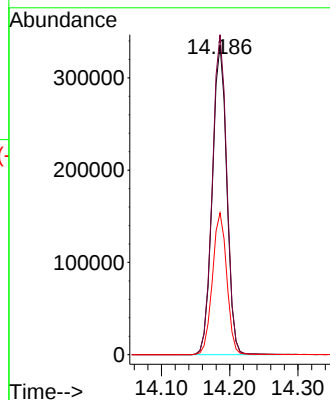
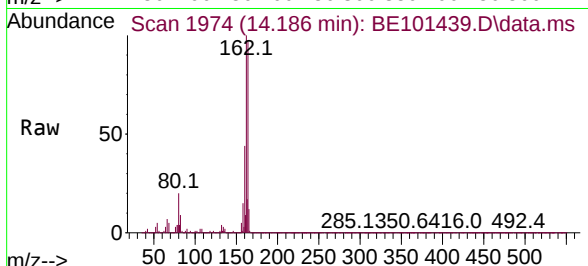
Tgt Ion:164 Resp: 494682

Ion Ratio Lower Upper

164 100

162 103.3 81.3 121.9

160 45.8 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 85.320 ng

RT: 15.696 min Scan# 2231

Delta R.T. 0.005 min

Lab File: BE101439.D

Acq: 31 Oct 2024 18:49

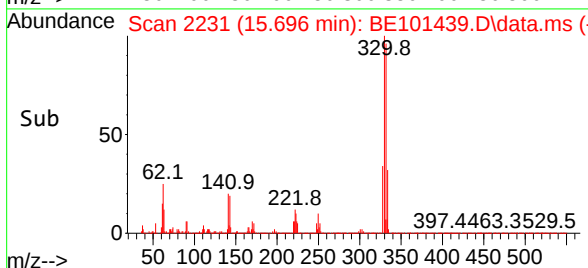
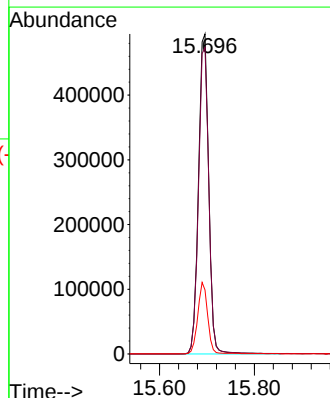
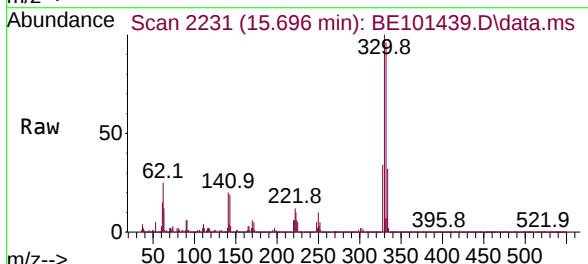
Tgt Ion:330 Resp: 739741

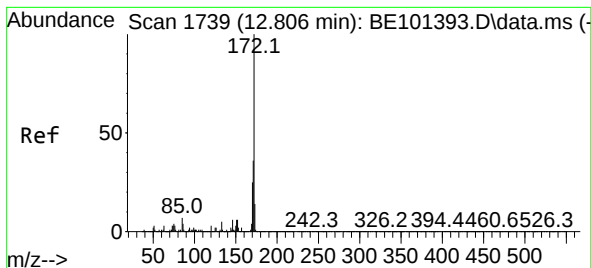
Ion Ratio Lower Upper

330 100

332 96.6 78.2 117.2

141 21.5 18.3 27.5





#45

2-Fluorobiphenyl

Concen: 52.422 ng

RT: 12.805 min Scan# 1

Delta R.T. -0.001 min

Lab File: BE101439.D

Acq: 31 Oct 2024 18:49

Instrument :

BNA_E

ClientSampleId :

TP-4

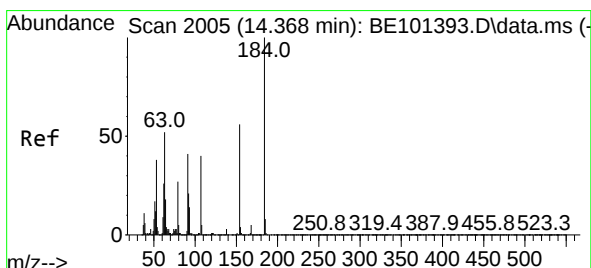
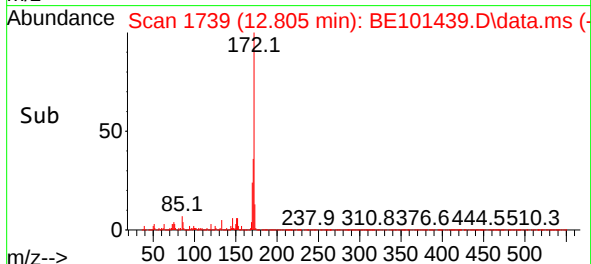
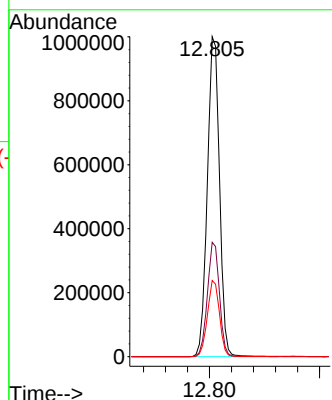
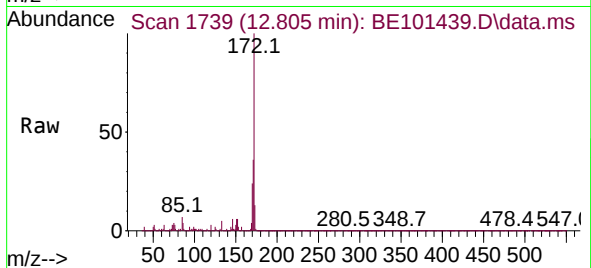
Tgt Ion:172 Resp: 1531232

Ion Ratio Lower Upper

172 100

171 35.7 29.2 43.8

170 23.8 19.8 29.6



#54

2,4-Dinitrophenol

Concen: 5.621 ng

RT: 14.380 min Scan# 2007

Delta R.T. 0.012 min

Lab File: BE101439.D

Acq: 31 Oct 2024 18:49

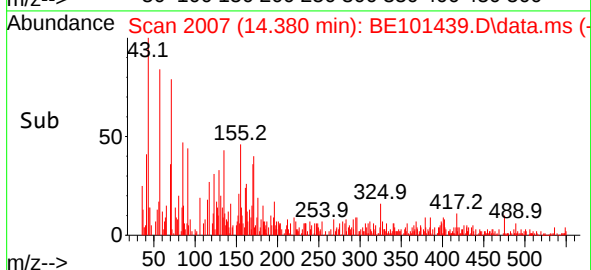
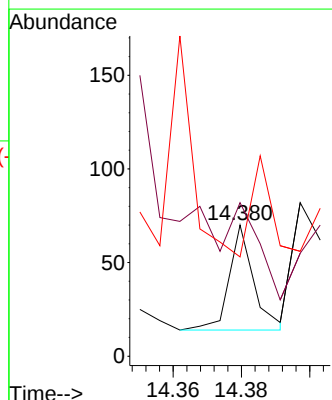
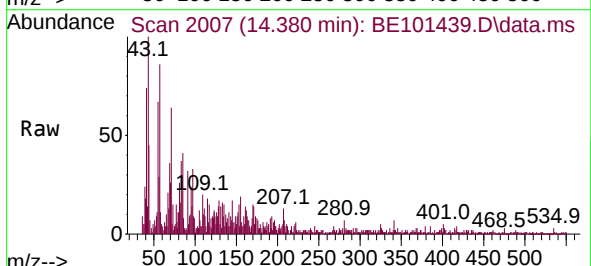
Tgt Ion:184 Resp: 28

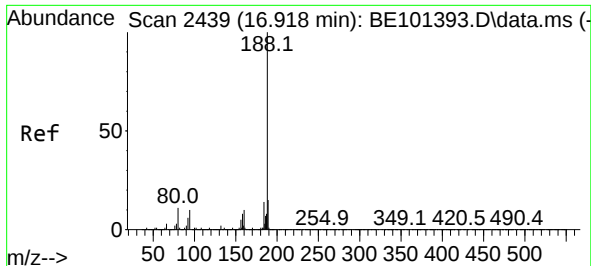
Ion Ratio Lower Upper

184 100

63 117.1 41.8 62.6#

154 75.7 44.9 67.3#

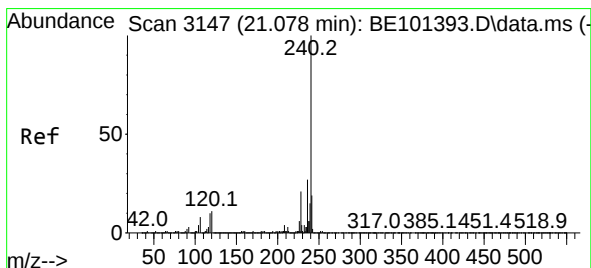
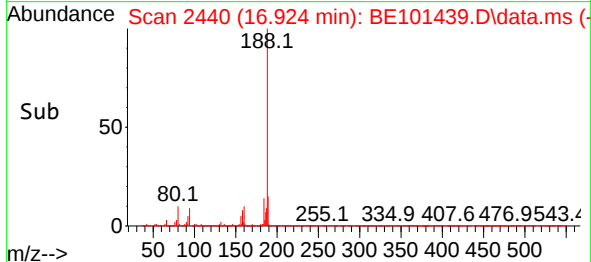
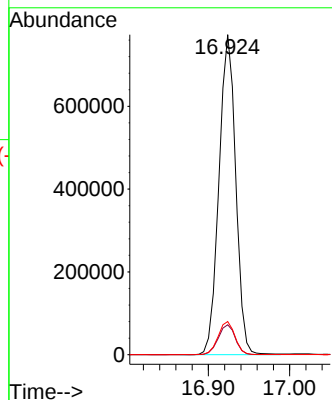
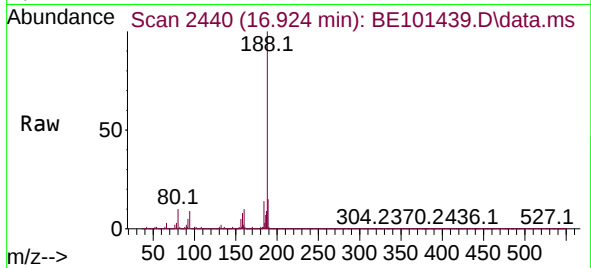




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.924 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BE101439.D
Acq: 31 Oct 2024 18:49

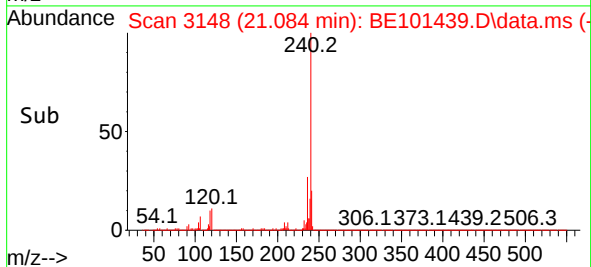
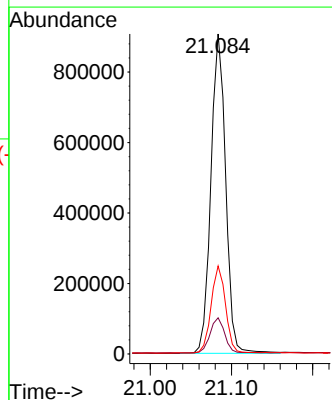
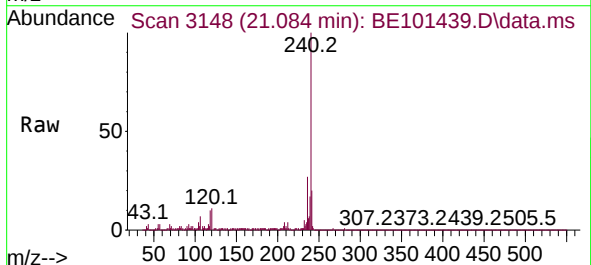
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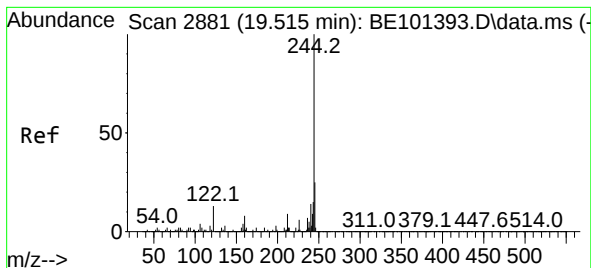
Tgt Ion:188 Resp: 1108938
Ion Ratio Lower Upper
188 100
94 9.4 7.8 11.8
80 10.3 8.6 12.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.084 min Scan# 3148
Delta R.T. 0.005 min
Lab File: BE101439.D
Acq: 31 Oct 2024 18:49

Tgt Ion:240 Resp: 1141345
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.4
236 27.5 21.4 32.0





#79

Terphenyl-d14

Concen: 55.969 ng

RT: 19.515 min Scan# 2881

Delta R.T. -0.000 min

Lab File: BE101439.D

Acq: 31 Oct 2024 18:49

Instrument :

BNA_E

ClientSampleId :

TP-4

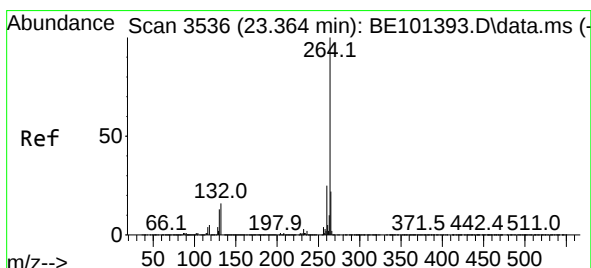
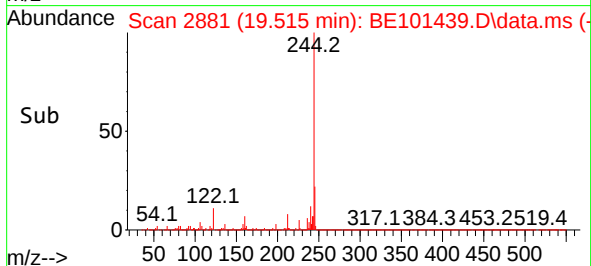
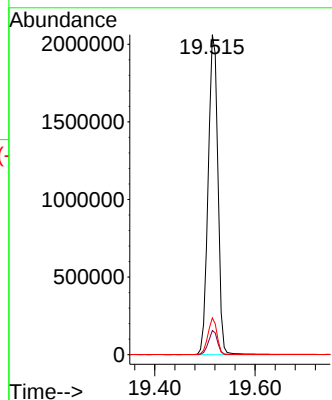
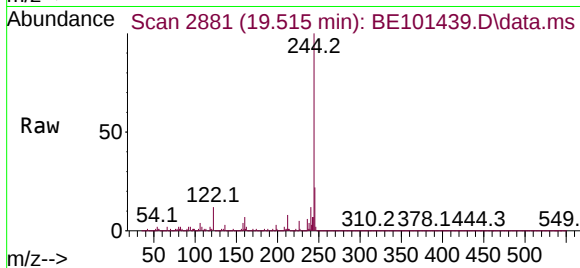
Tgt Ion:244 Resp: 2775495

Ion Ratio Lower Upper

244 100

212 7.6 7.2 10.8

122 11.5 10.4 15.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.381 min Scan# 3539

Delta R.T. 0.017 min

Lab File: BE101439.D

Acq: 31 Oct 2024 18:49

Tgt Ion:264 Resp: 1476803

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.8

265 22.6 17.6 26.4

