

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042125\
 Data File : BM049984.D
 Acq On : 21 Apr 2025 14:35
 Operator : RC/JU
 Sample : Q1832-42
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-714-COMP-07

Quant Time: Apr 21 15:13:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

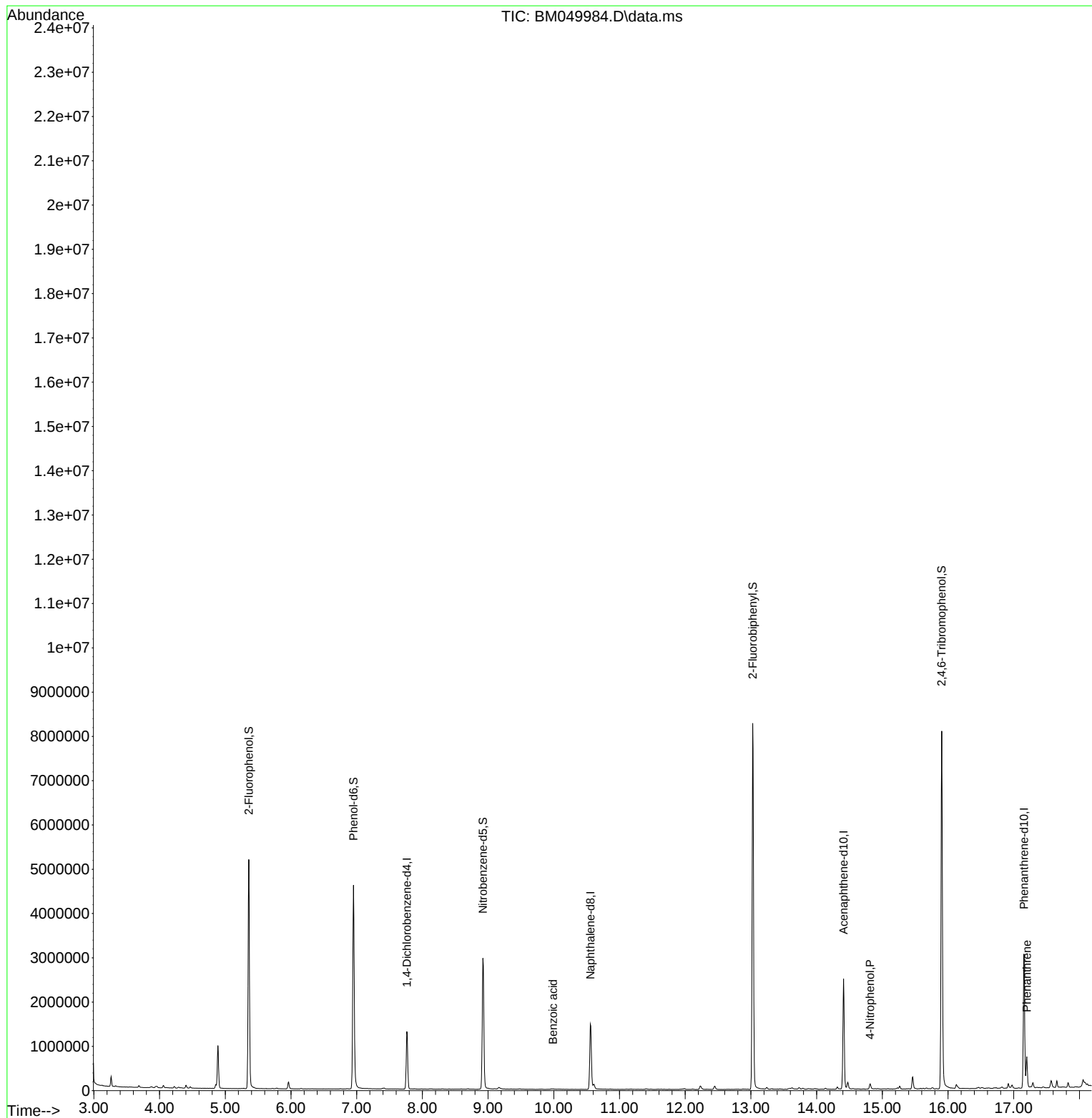
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	378715	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	1356102	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	914408	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1871257	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1868219	20.000	ng	0.00
86) Perylene-d12	24.397	264	1746010	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	2340443	104.940	ng	0.00
7) Phenol-d6	6.952	99	2867603	103.342	ng	0.00
23) Nitrobenzene-d5	8.922	82	1789305	73.474	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	1817657	136.662	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	4680372	69.407	ng	-0.02
79) Terphenyl-d14	19.780	244	10119301	101.509	ng	-0.01
Target Compounds						
						Qvalue
32) Benzoic acid	9.987	122	2330	8.648	ng	# 56
56) 4-Nitrophenol	14.816	139	27989	2.404	ng	# 14
71) Phenanthrene	17.198	178	441901	4.307	ng	100

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

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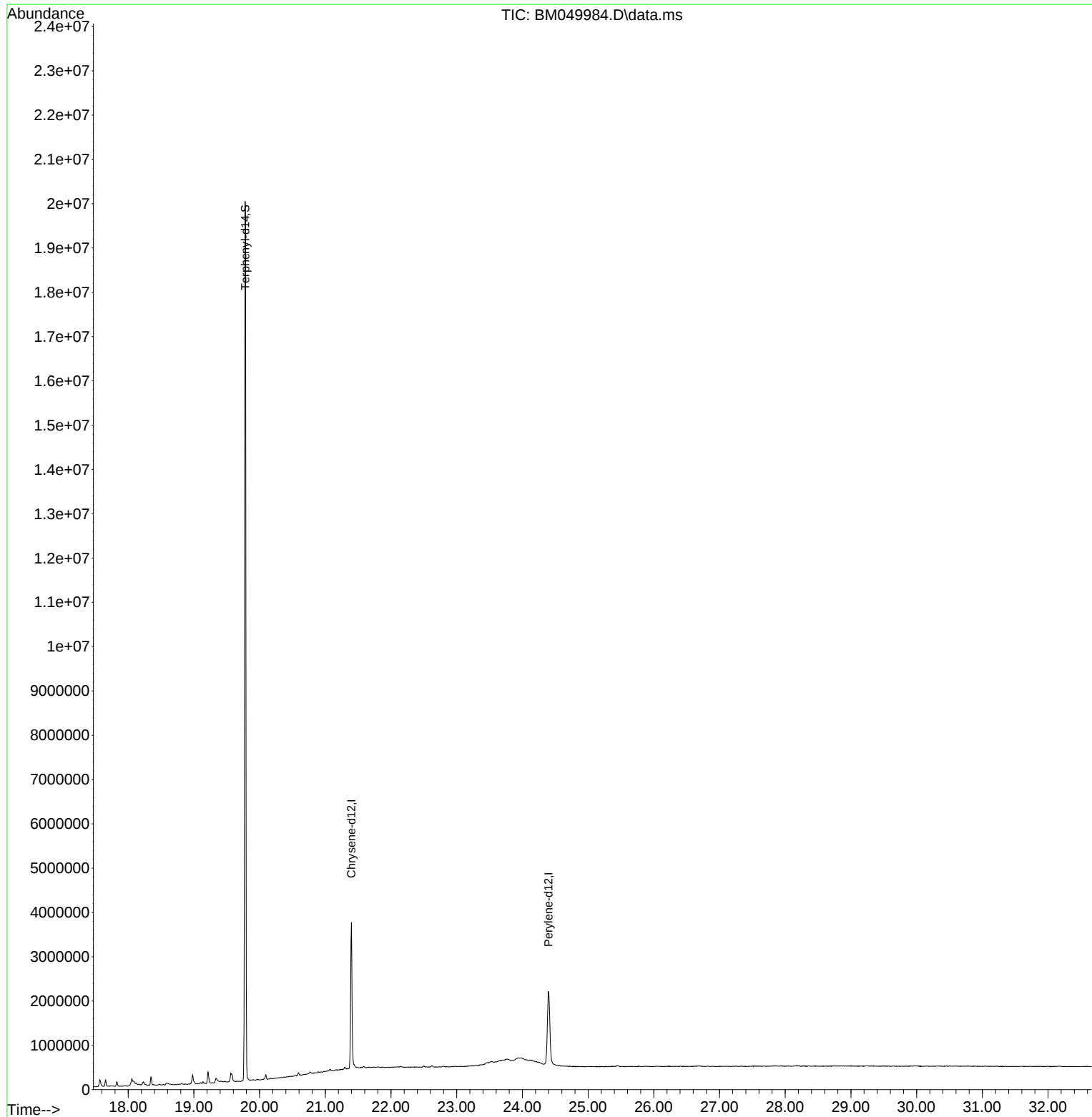
Quant Time: Apr 21 15:13:31 2025
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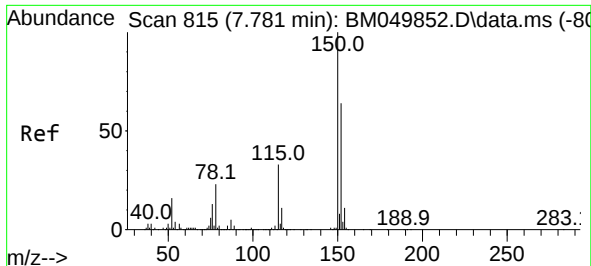


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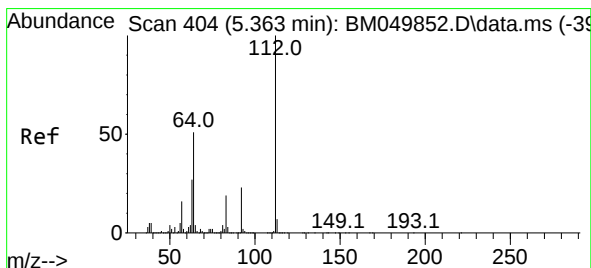
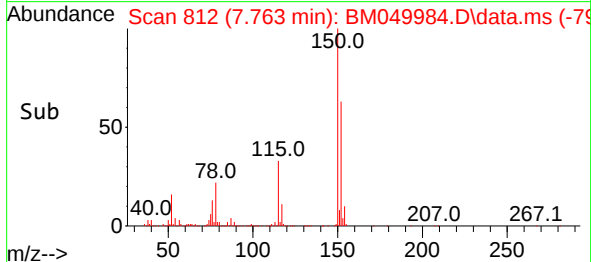
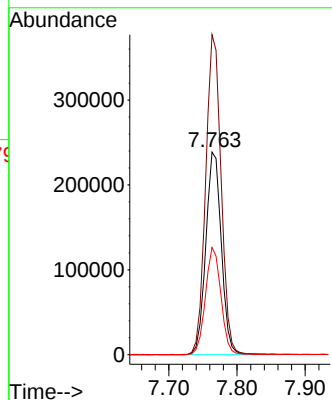
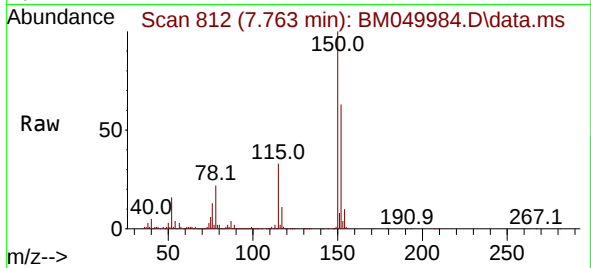




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 815
Delta R.T. -0.018 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

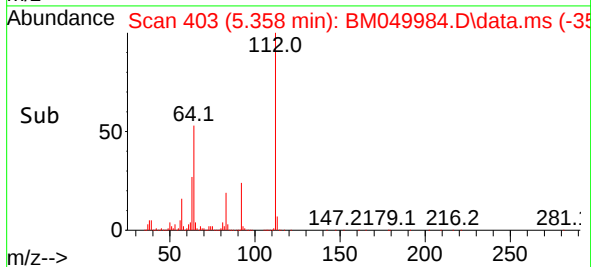
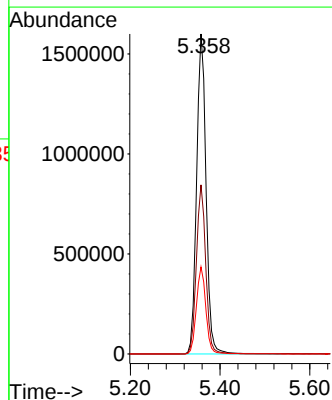
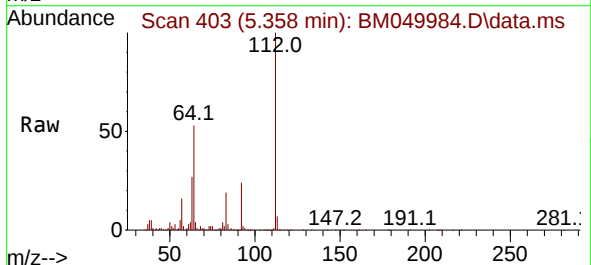
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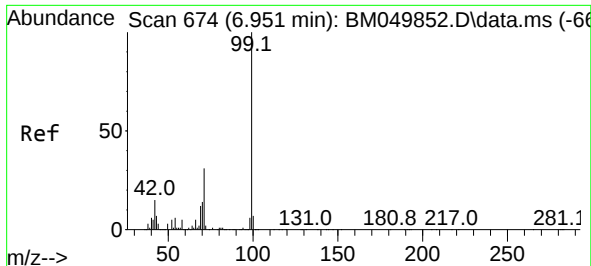
Tgt Ion:152 Resp: 378715
Ion Ratio Lower Upper
152 100
150 158.0 124.3 186.5
115 52.9 41.1 61.7



#5
2-Fluorophenol
Concen: 104.940 ng
RT: 5.358 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

Tgt Ion:112 Resp: 2340443
Ion Ratio Lower Upper
112 100
64 52.9 41.0 61.6
63 27.2 21.5 32.3

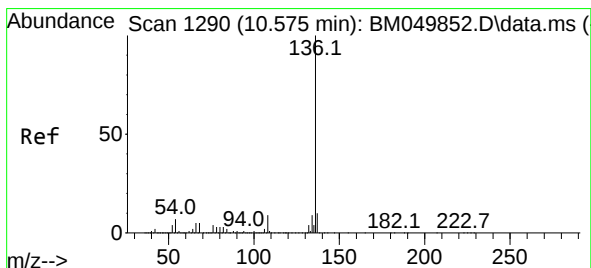
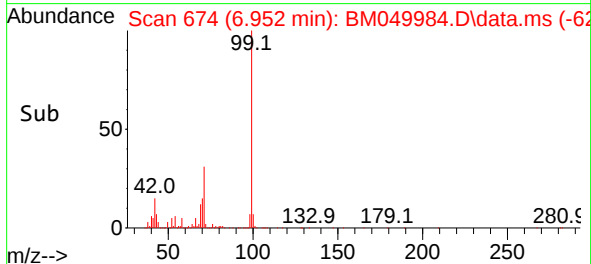
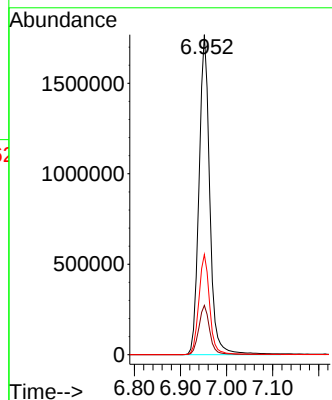
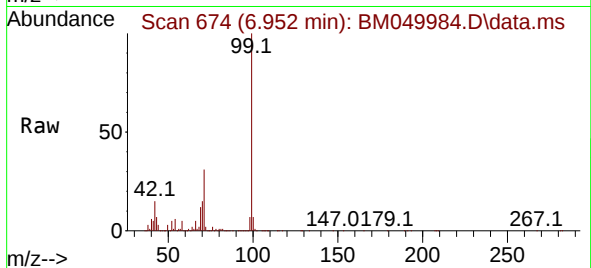




#7
Phenol-d6
Concen: 103.342 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

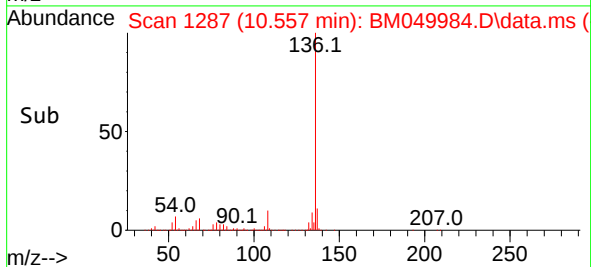
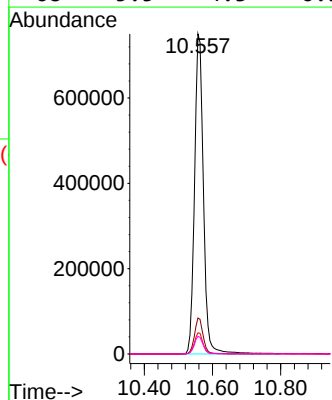
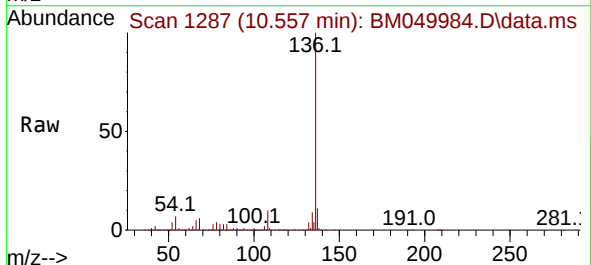
Instrument :
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ClientSampleId :
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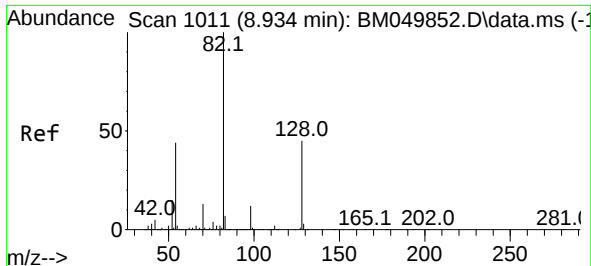
Tgt Ion: 99 Resp: 2867603
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.3 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.017 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

Tgt Ion:136 Resp: 1356102
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 6.6 5.3 7.9
68 5.5 4.3 6.5

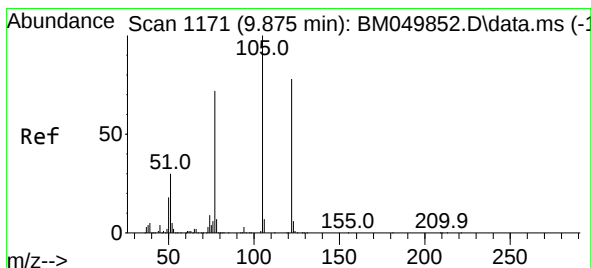
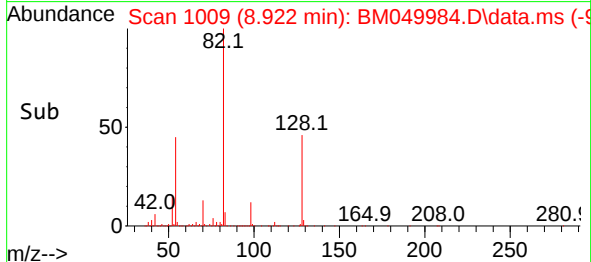
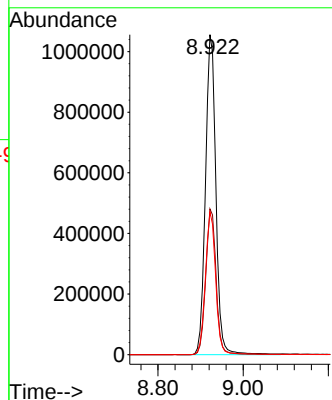
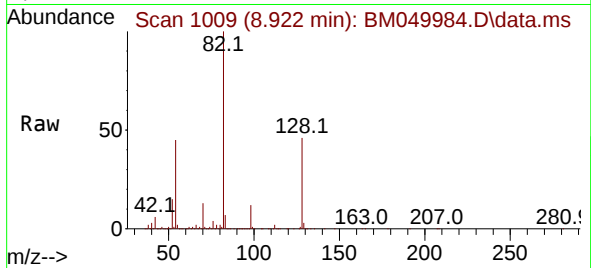




#23
Nitrobenzene-d5
Concen: 73.474 ng
RT: 8.922 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

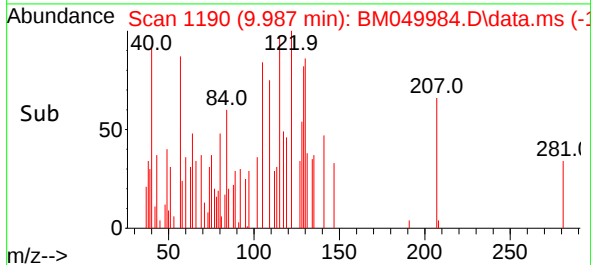
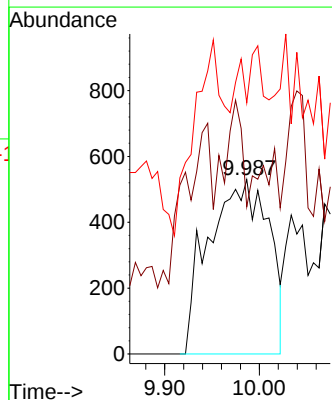
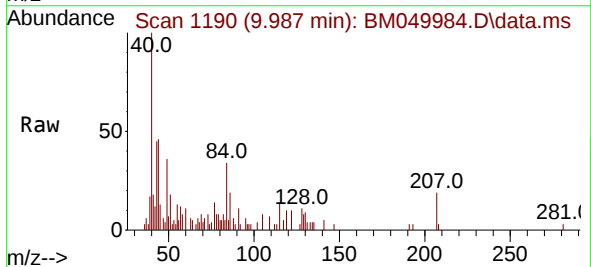
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-07

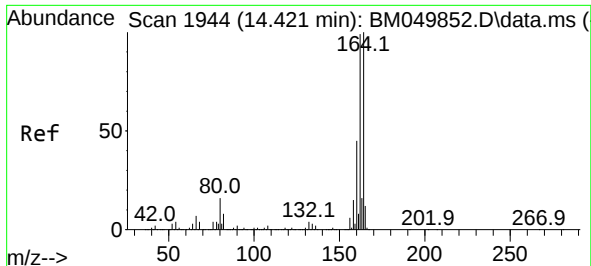
Tgt Ion: 82 Resp: 1789305
Ion Ratio Lower Upper
82 100
128 45.5 36.2 54.2
54 44.5 35.0 52.6



#32
Benzoic acid
Concen: 8.648 ng
RT: 9.987 min Scan# 1190
Delta R.T. 0.112 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

Tgt Ion:122 Resp: 2330
Ion Ratio Lower Upper
122 100
105 84.3 103.8 143.8#
77 144.0 70.7 110.7#

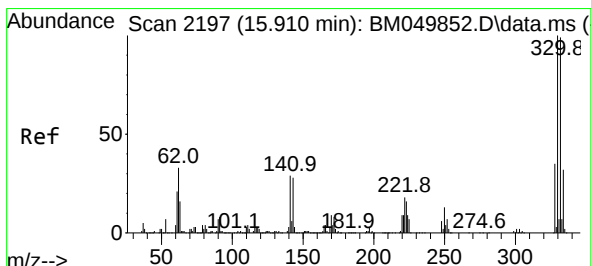
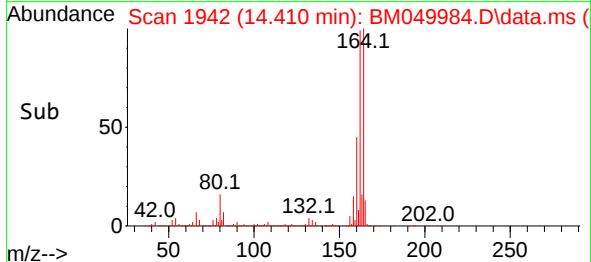
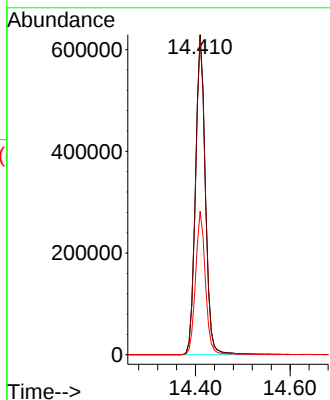
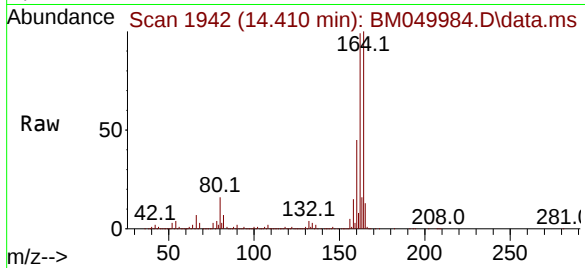




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

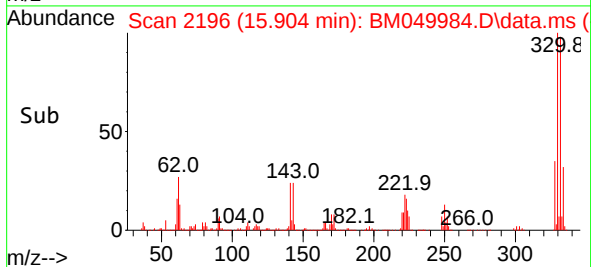
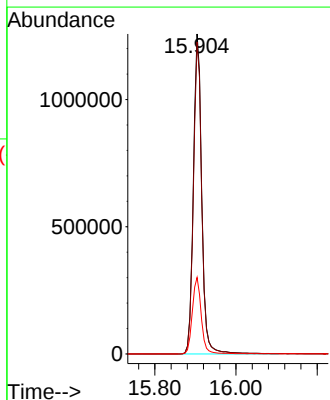
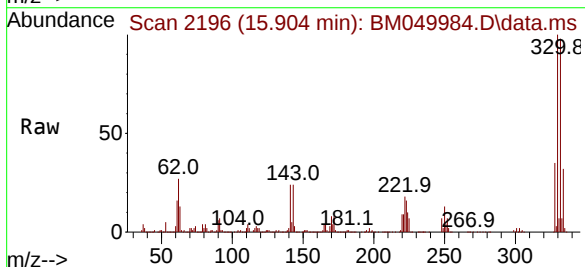
Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-07

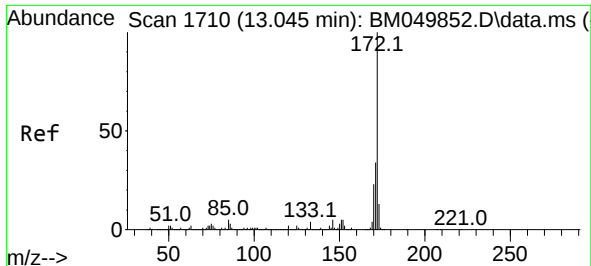
Tgt Ion:164 Resp: 914408
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.0
160 44.8 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 136.662 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

Tgt Ion:330 Resp: 1817657
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 25.5 23.5 35.3

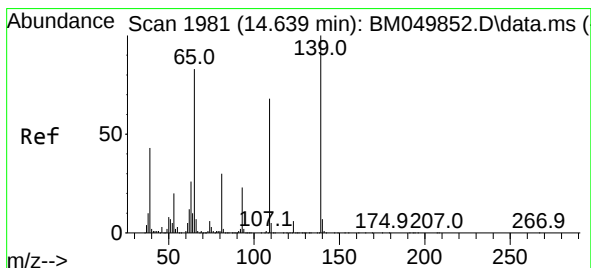
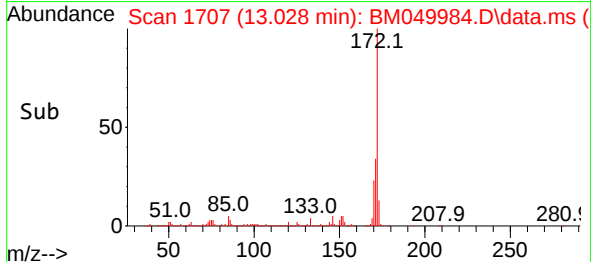
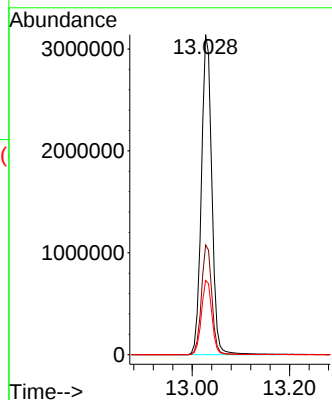
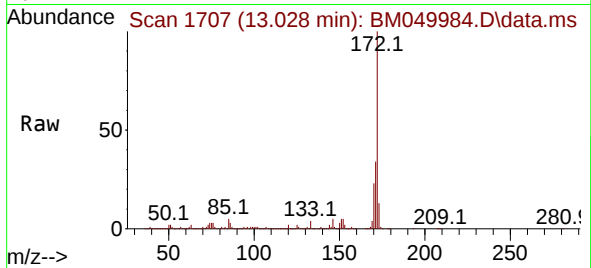




#45
2-Fluorobiphenyl
Concen: 69.407 ng
RT: 13.028 min Scan# 11
Delta R.T. -0.017 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

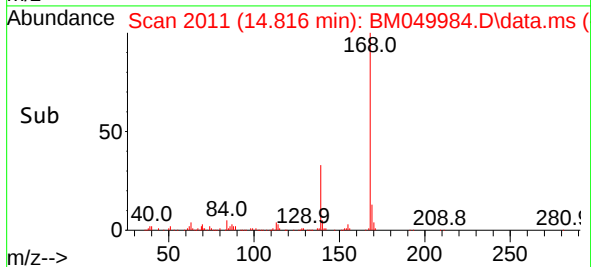
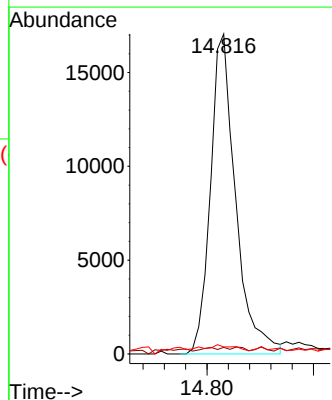
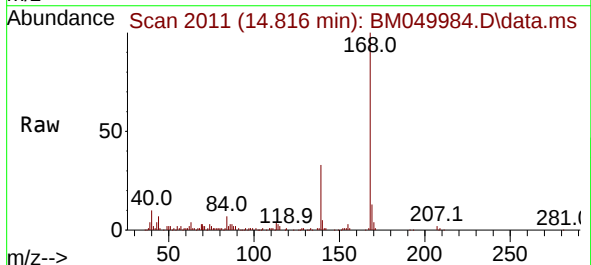
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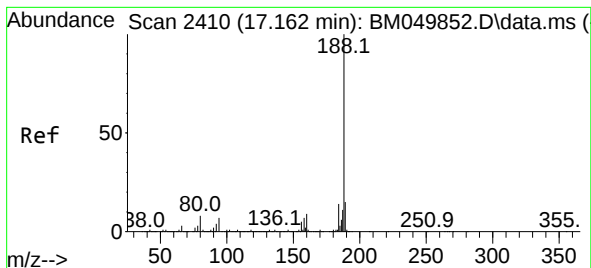
Tgt Ion:172 Resp: 4680372
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.2
170 23.2 18.6 28.0



#56
4-Nitrophenol
Concen: 2.404 ng
RT: 14.816 min Scan# 2011
Delta R.T. 0.177 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

Tgt Ion:139 Resp: 27989
Ion Ratio Lower Upper
139 100
109 2.1 47.9 87.9#
65 2.2 62.7 102.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM049984.D

Acq: 21 Apr 2025 14:35

Instrument :

BNA_M

ClientSampleId :

PL-714-COMP-07

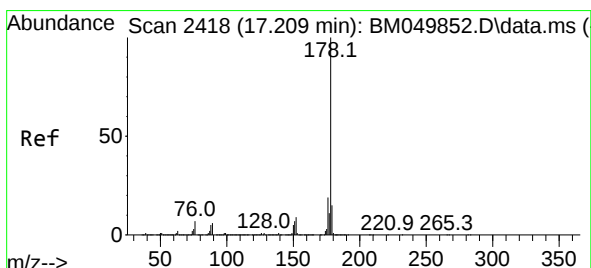
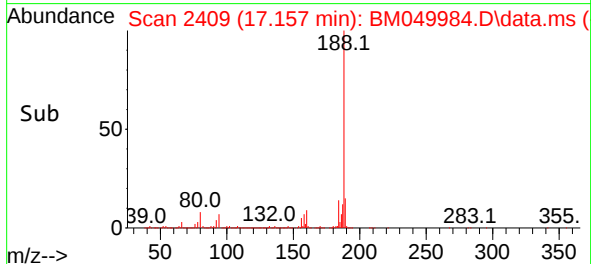
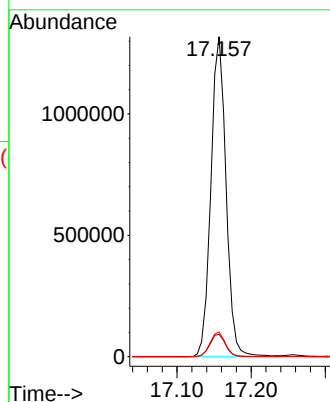
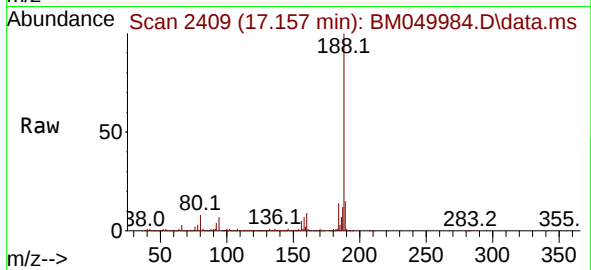
Tgt Ion:188 Resp: 1871257

Ion Ratio Lower Upper

188 100

94 7.0 5.8 8.6

80 7.7 6.4 9.6



#71

Phenanthrene

Concen: 4.307 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM049984.D

Acq: 21 Apr 2025 14:35

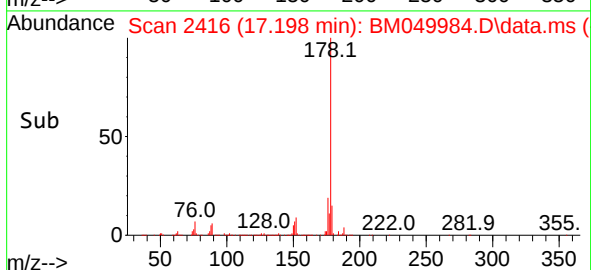
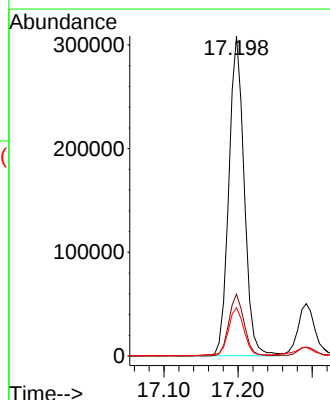
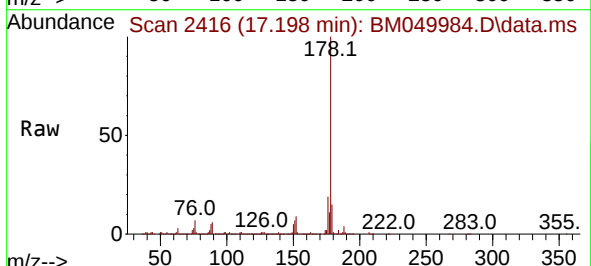
Tgt Ion:178 Resp: 441901

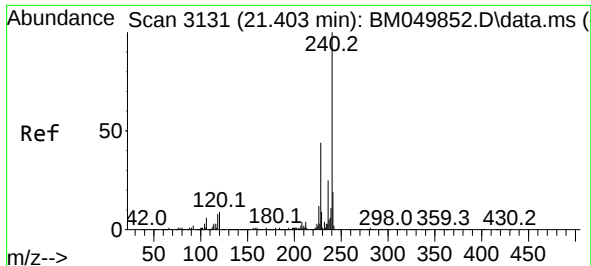
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.1 12.3 18.5

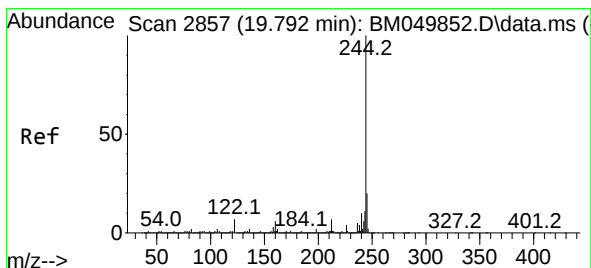
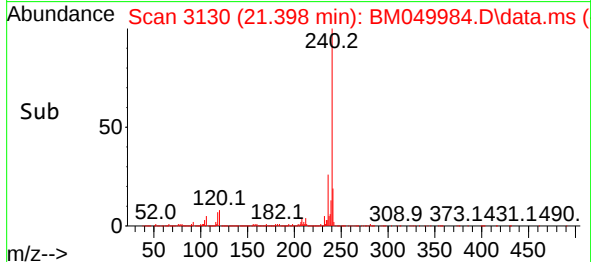
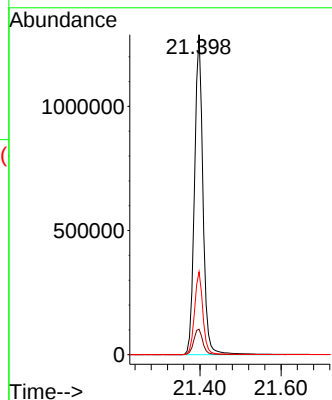
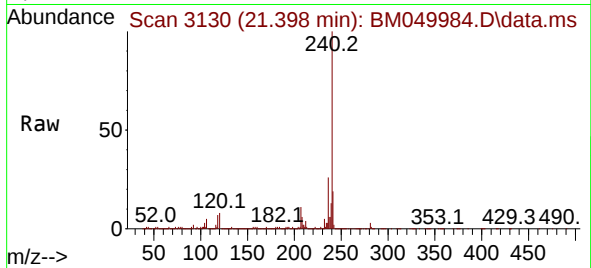




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

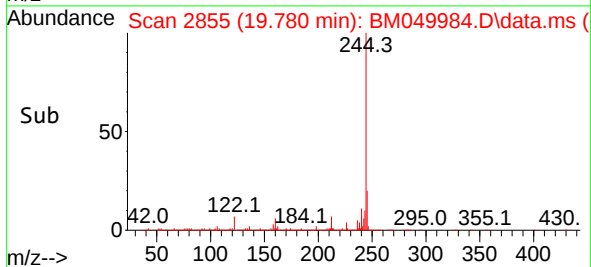
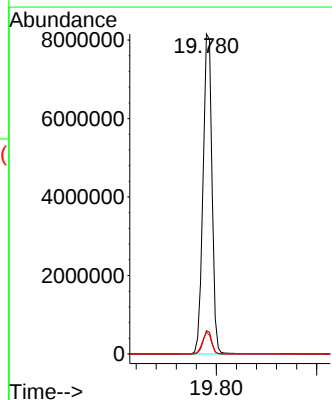
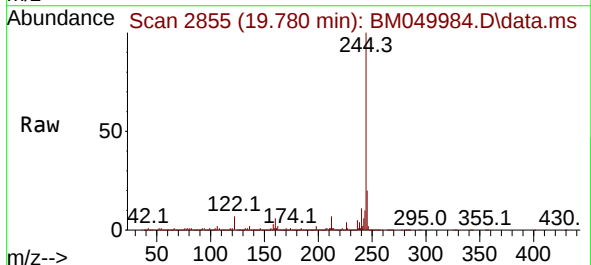
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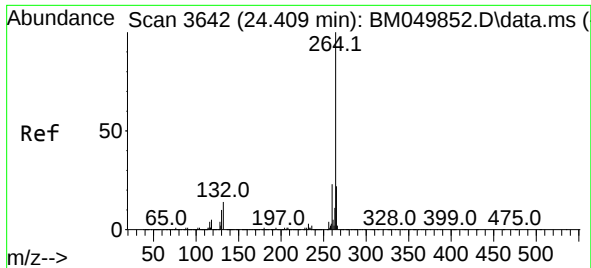
Tgt Ion:240 Resp: 1868219
Ion Ratio Lower Upper
240 100
120 7.9 6.9 10.3
236 25.9 20.4 30.6



#79
Terphenyl-d14
Concen: 101.509 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.012 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

Tgt Ion:244 Resp:10119301
Ion Ratio Lower Upper
244 100
212 7.2 5.5 8.3
122 6.8 5.4 8.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM049984.D
Acq: 21 Apr 2025 14:35

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-07

Tgt Ion:264 Resp: 1746010

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	22.2	17.8	26.8

