Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050925\
Data File : BM050164.D
Acq On : 09 May 2025 18:04
Operator : RC/JU
Sample : Q1983-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-02

Quant Time: May 09 23:37:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	367403	20.000	ng	-0.03
21) Naphthalene-d8	10.533	136	1342735	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	952799	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1976094	20.000	ng	-0.01
76) Chrysene-d12	21.391	240	1513055	20.000	ng	0.00
86) Perylene-d12	24.391	264	1191095	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	2605508	124.181	ng	-0.02
7) Phenol-d6	6.934	99	2981079	113.043	ng	-0.02
23) Nitrobenzene-d5	8.904	82	2157144	79.164	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	2173466	154.273	ng	-0.01
45) 2-Fluorobiphenyl	13.004	172	5905492	73.322	ng	-0.03
79) Terphenyl-d14	19.768	244	10478260	102.476	ng	-0.01
Target Compounds						Qvalue

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

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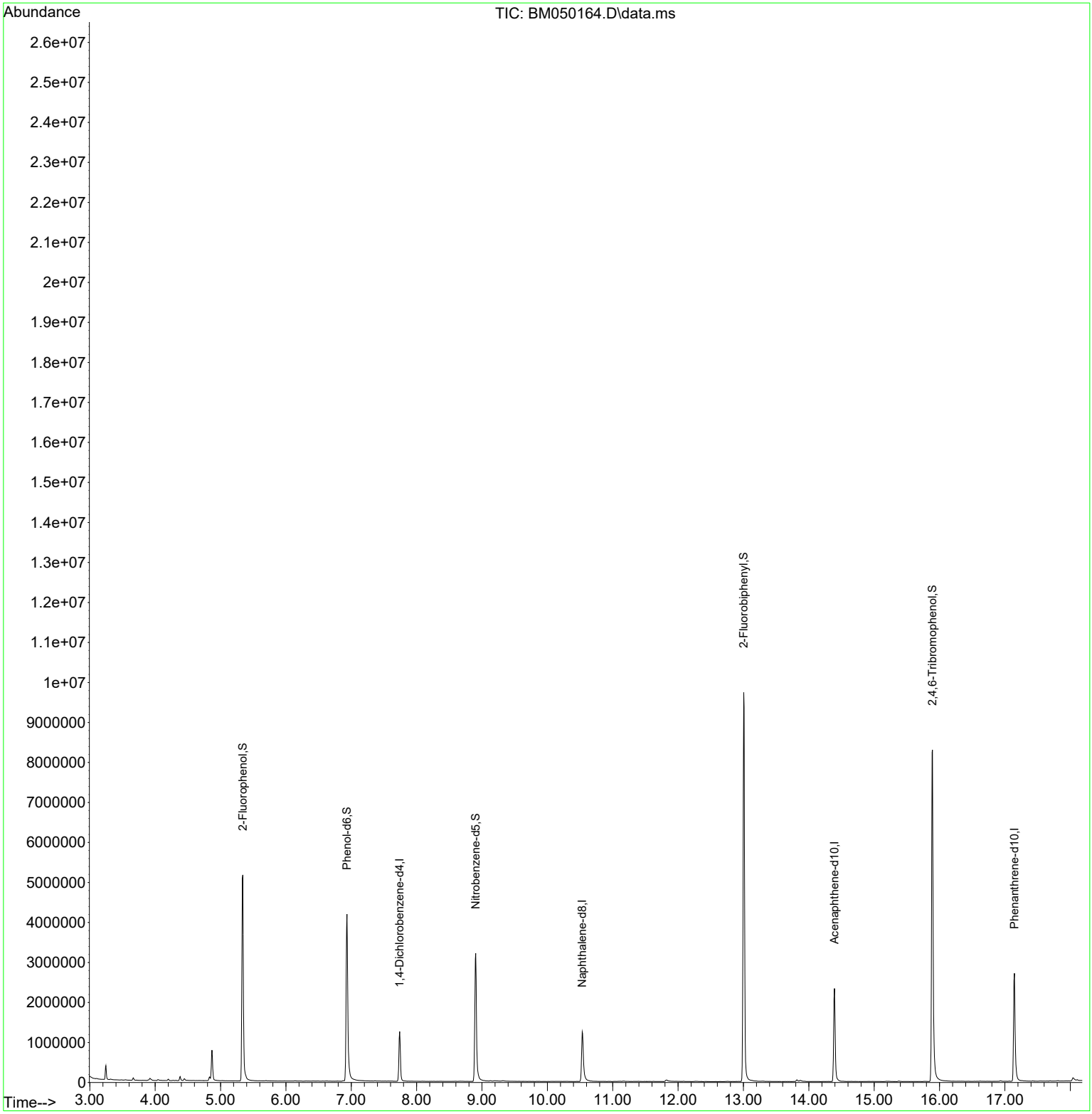

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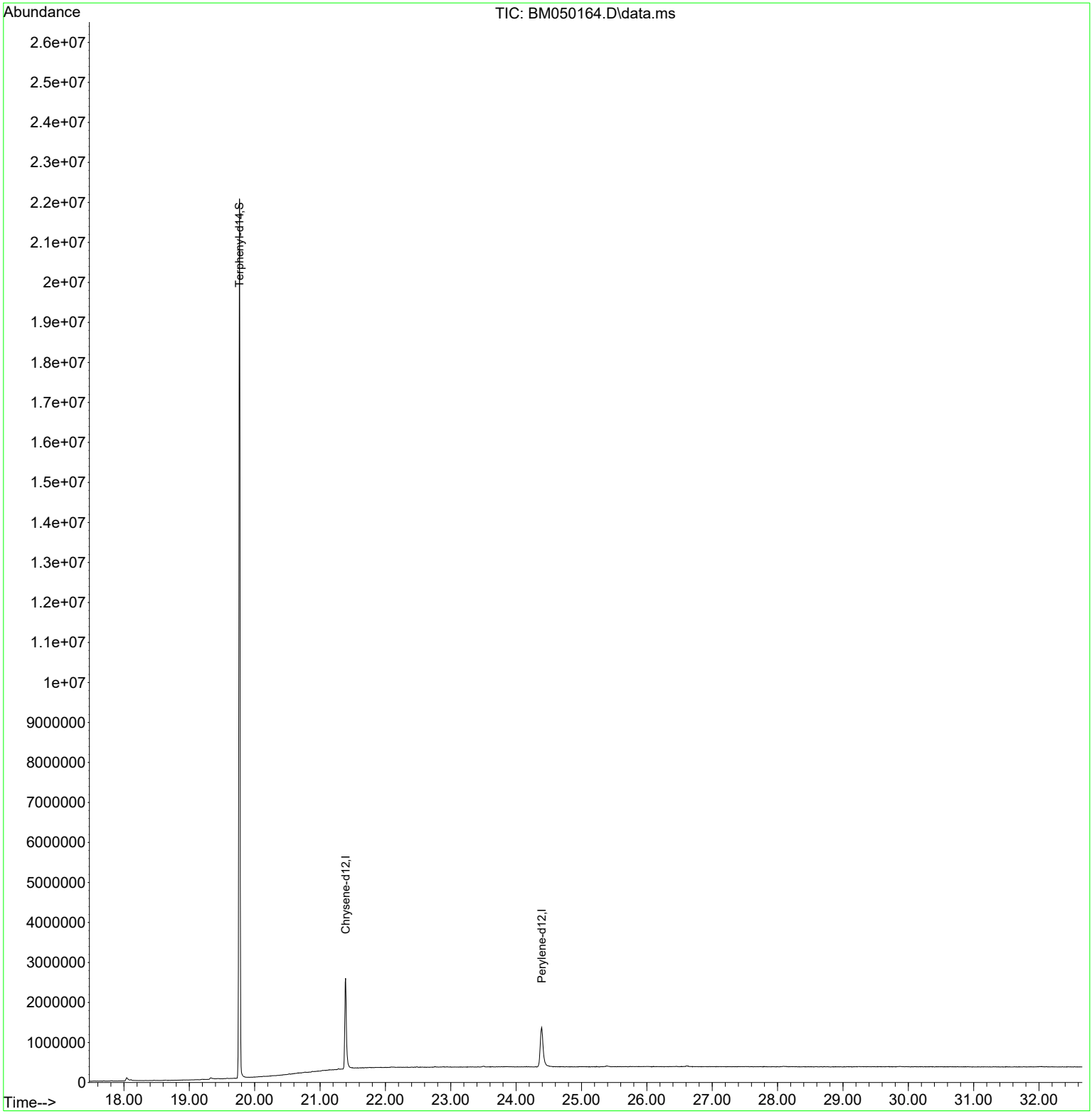
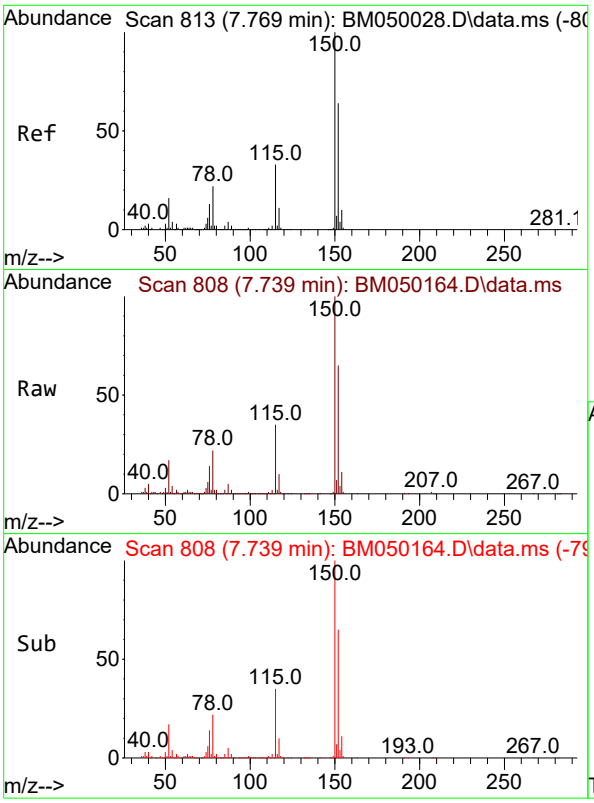


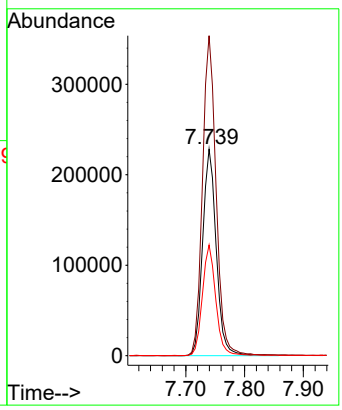


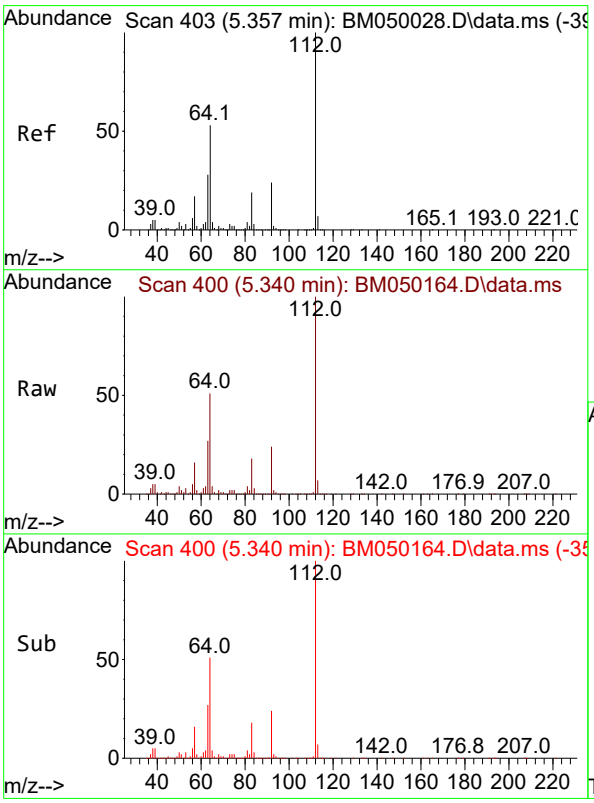
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 80
Delta R.T. -0.030 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-02

Tgt Ion:152 Resp: 367403

Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.1	186.1
115	53.6	41.2	61.8

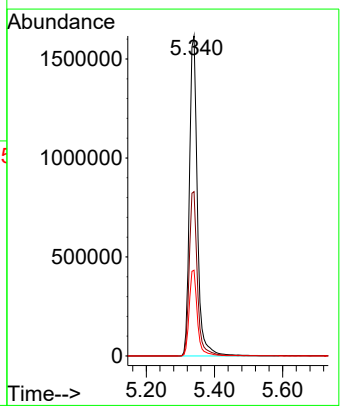


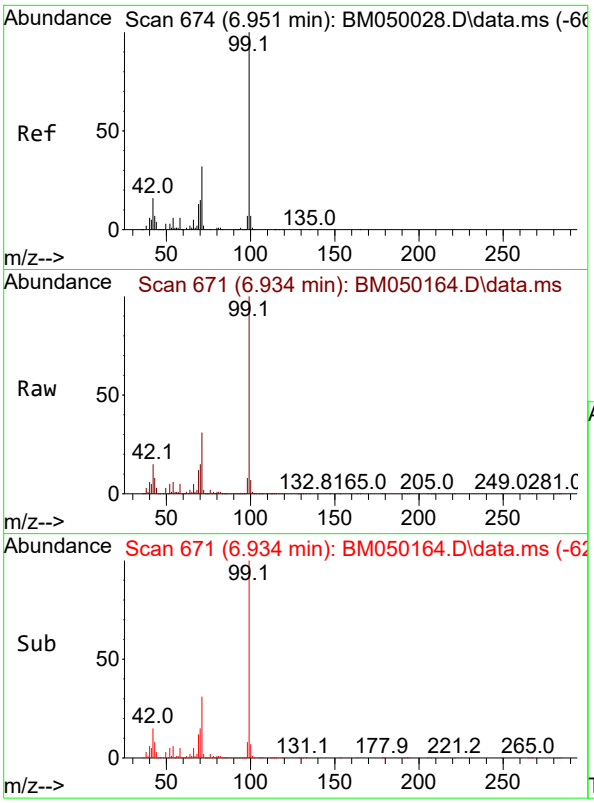


#5
2-Fluorophenol
Concen: 124.181 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Tgt Ion:112 Resp: 2605508

Ion	Ratio	Lower	Upper
112	100		
64	51.3	42.6	64.0
63	26.8	22.2	33.4



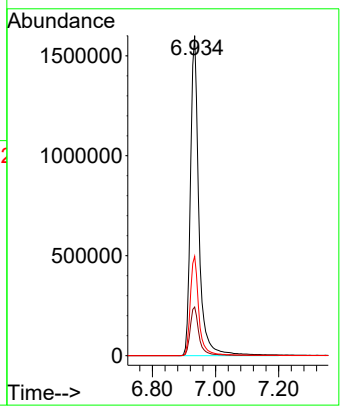


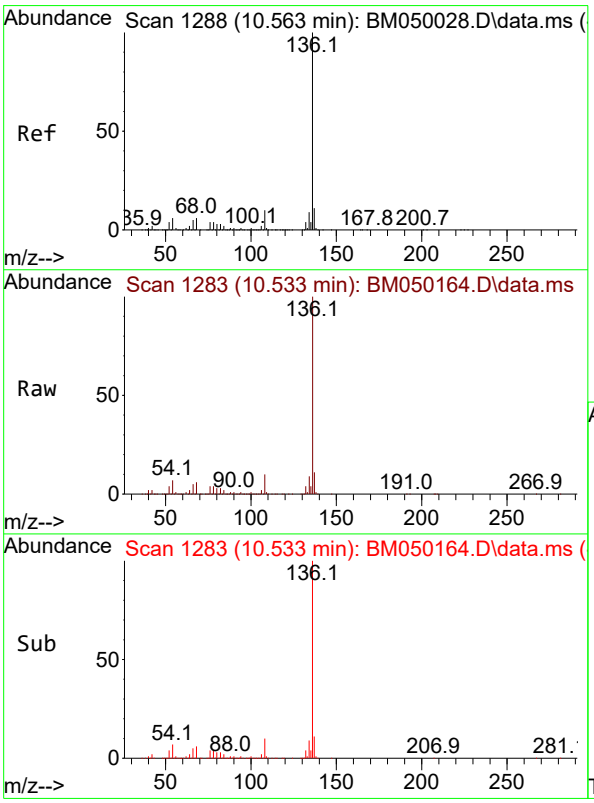
#7
Phenol-d6
Concen: 113.043 ng
RT: 6.934 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-02

Tgt Ion: 99 Resp: 2981079

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.0	19.4
71	31.1	25.6	38.4

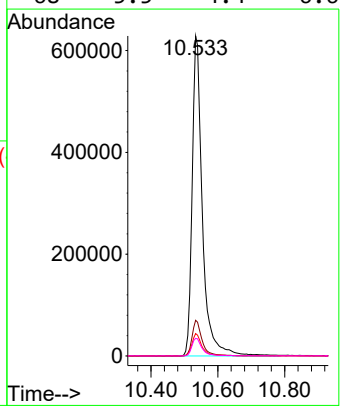


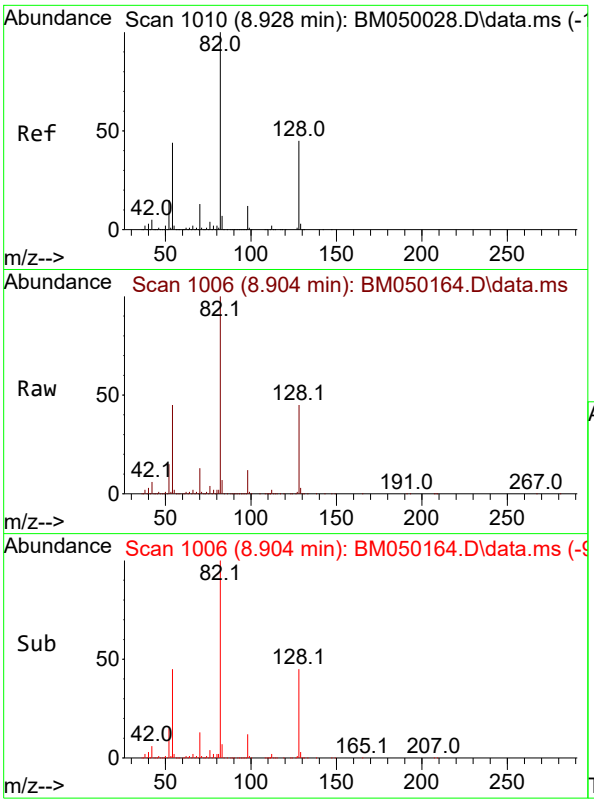


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.533 min Scan# 1283
Delta R.T. -0.030 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Tgt Ion:136 Resp: 1342735

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.0	5.1	7.7
68	5.5	4.4	6.6



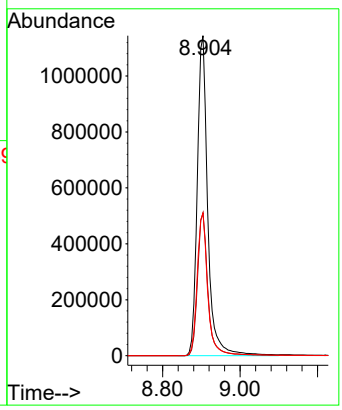


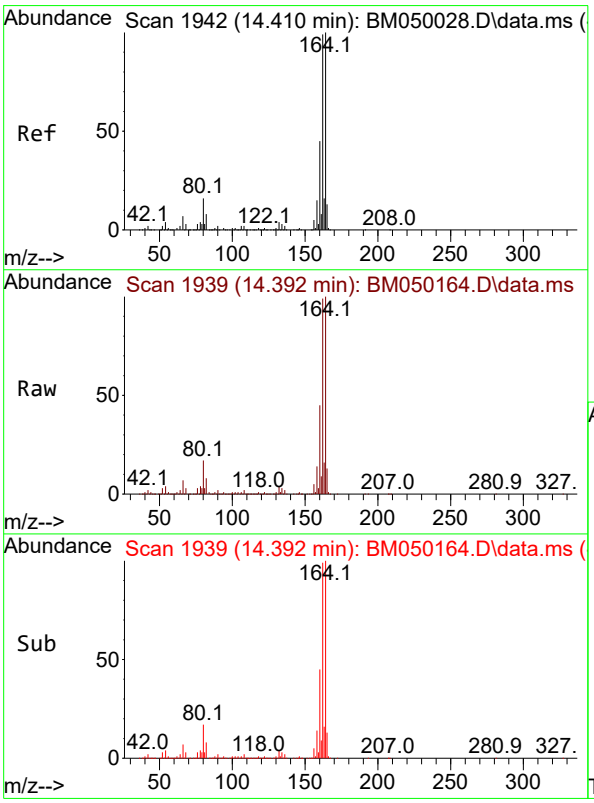
#23
Nitrobenzene-d5
Concen: 79.164 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-02

Tgt Ion: 82 Resp: 2157144

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.7	53.5
54	44.5	35.4	53.2

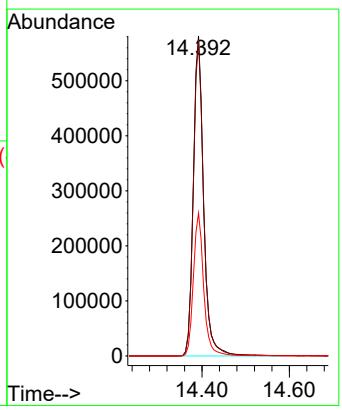


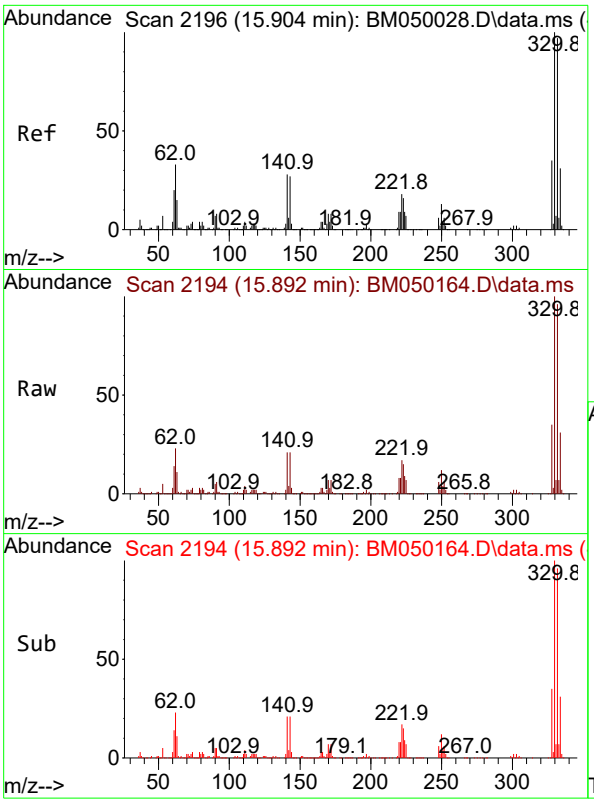


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Tgt Ion:164 Resp: 952799

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	44.6	36.2	54.4



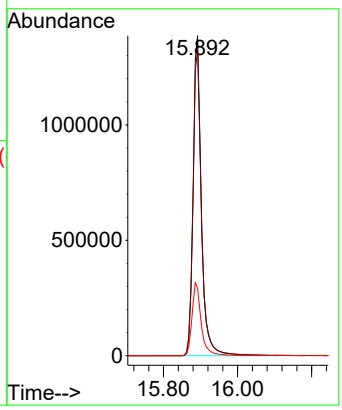


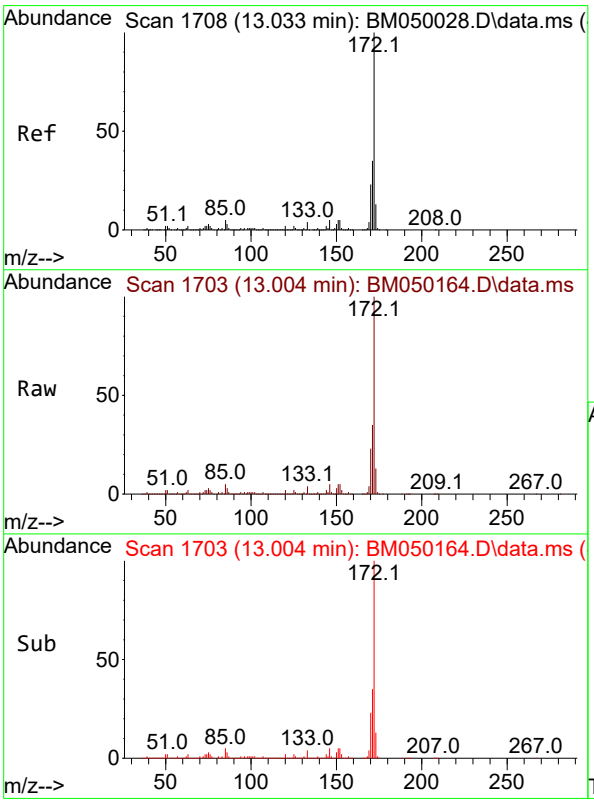
#42
2,4,6-Tribromophenol
Concen: 154.273 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-02

Tgt Ion:330 Resp: 2173466

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	25.2	22.5	33.7

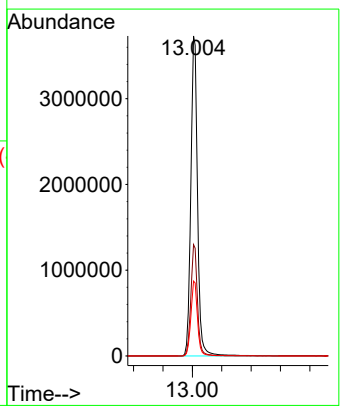


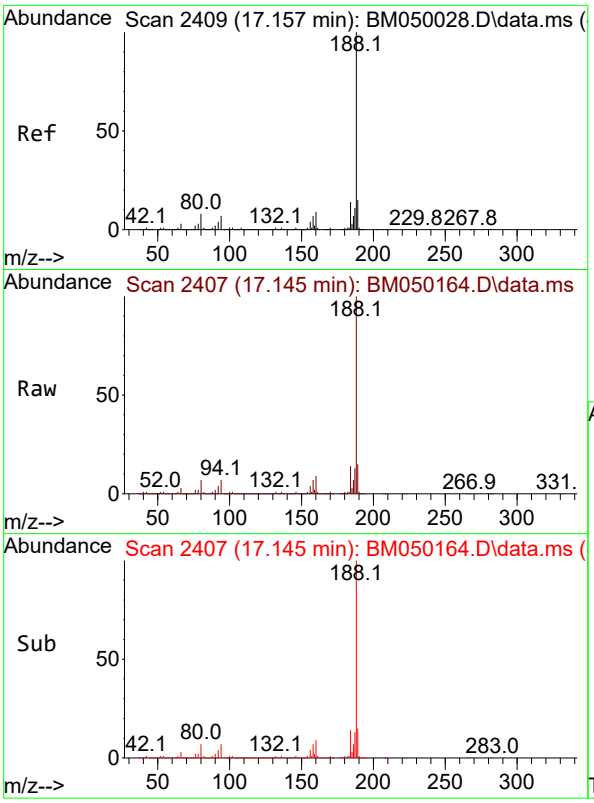


#45
2-Fluorobiphenyl
Concen: 73.322 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.030 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Tgt Ion:172 Resp: 5905492

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.4	18.6	28.0



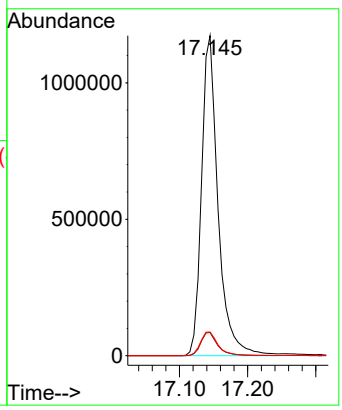


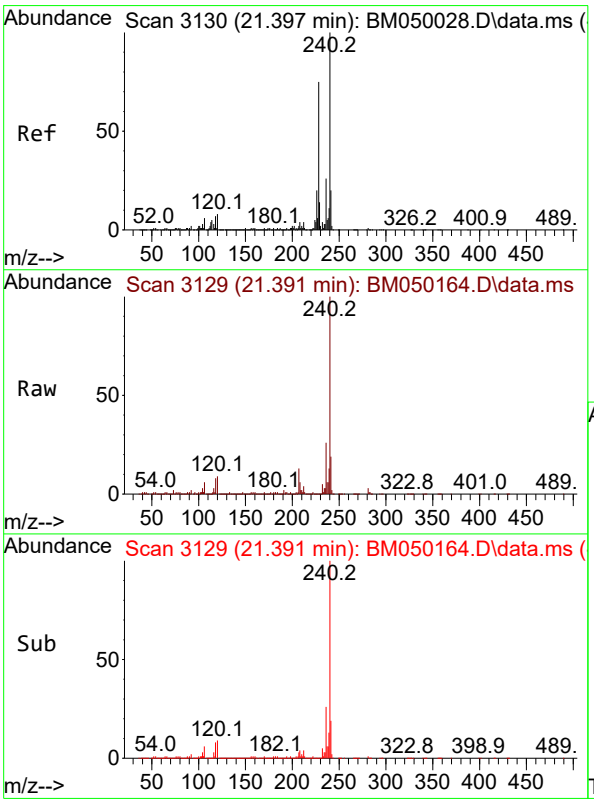
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-02

Tgt Ion:188 Resp: 1976094

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	7.4	6.2	9.4

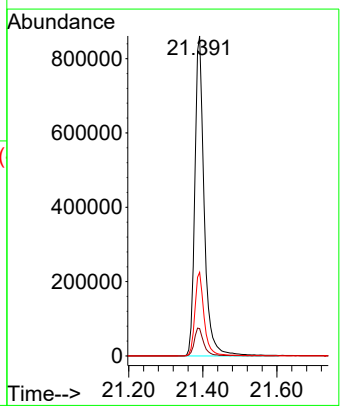


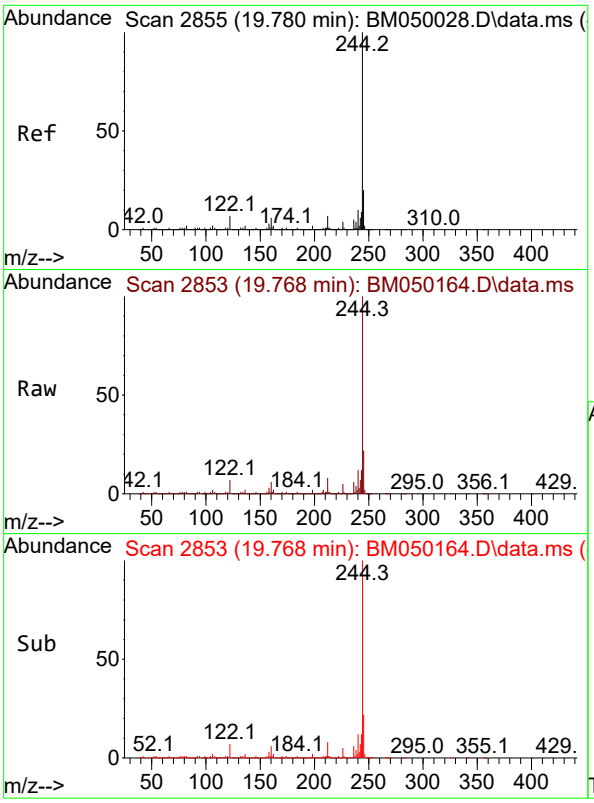


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.391 min Scan# 3129
Delta R.T. -0.006 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Tgt Ion:240 Resp: 1513055

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.5	9.7
236	26.1	20.9	31.3



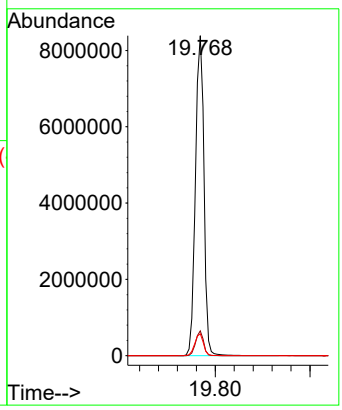


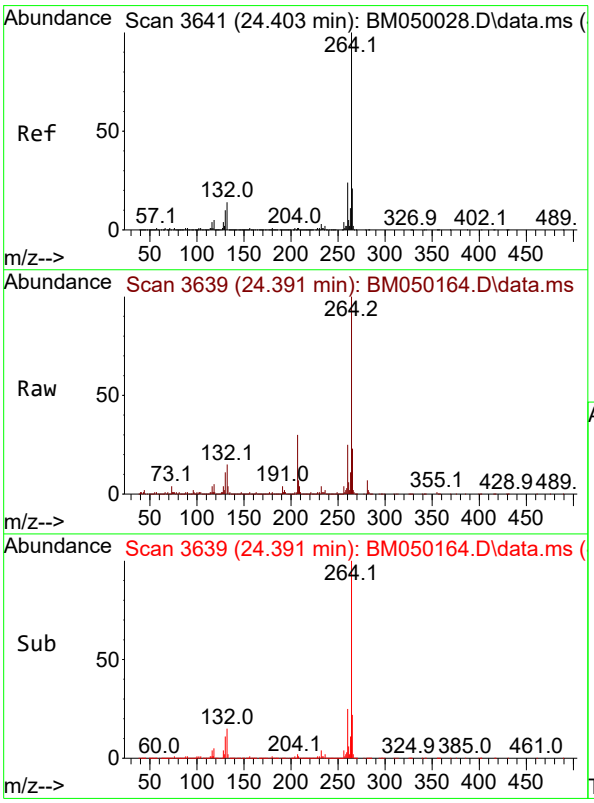
#79
Terphenyl-d14
Concen: 102.476 ng
RT: 19.768 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-02

Tgt Ion:244 Resp:10478260

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.6	8.4
122	6.9	5.6	8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050164.D
Acq: 09 May 2025 18:04

Tgt Ion:264 Resp: 1191095

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.5	17.0	25.4