Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050925\
Data File : BM050168.D
Acq On : 09 May 2025 20:41
Operator : RC/JU
Sample : Q1983-36
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-06

Quant Time: May 09 23:38:00 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	7.740	152	334366	20.000	ng	-0.03
21) Naphthalene-d8	10.540	136	1153305	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	732926	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1306143	20.000	ng	-0.01
76) Chrysene-d12	21.392	240	1114747	20.000	ng	0.00
86) Perylene-d12	24.386	264	1177692	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	2500963	130.975	ng	-0.02
7) Phenol-d6	6.934	99	2973097	123.880	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1870533	79.921	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1381223	127.451	ng	-0.01
45) 2-Fluorobiphenyl	13.004	172	4730946	76.360	ng	-0.03
79) Terphenyl-d14	19.763	244	7196932	95.534	ng	-0.02
Target Compounds						Qvalue

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

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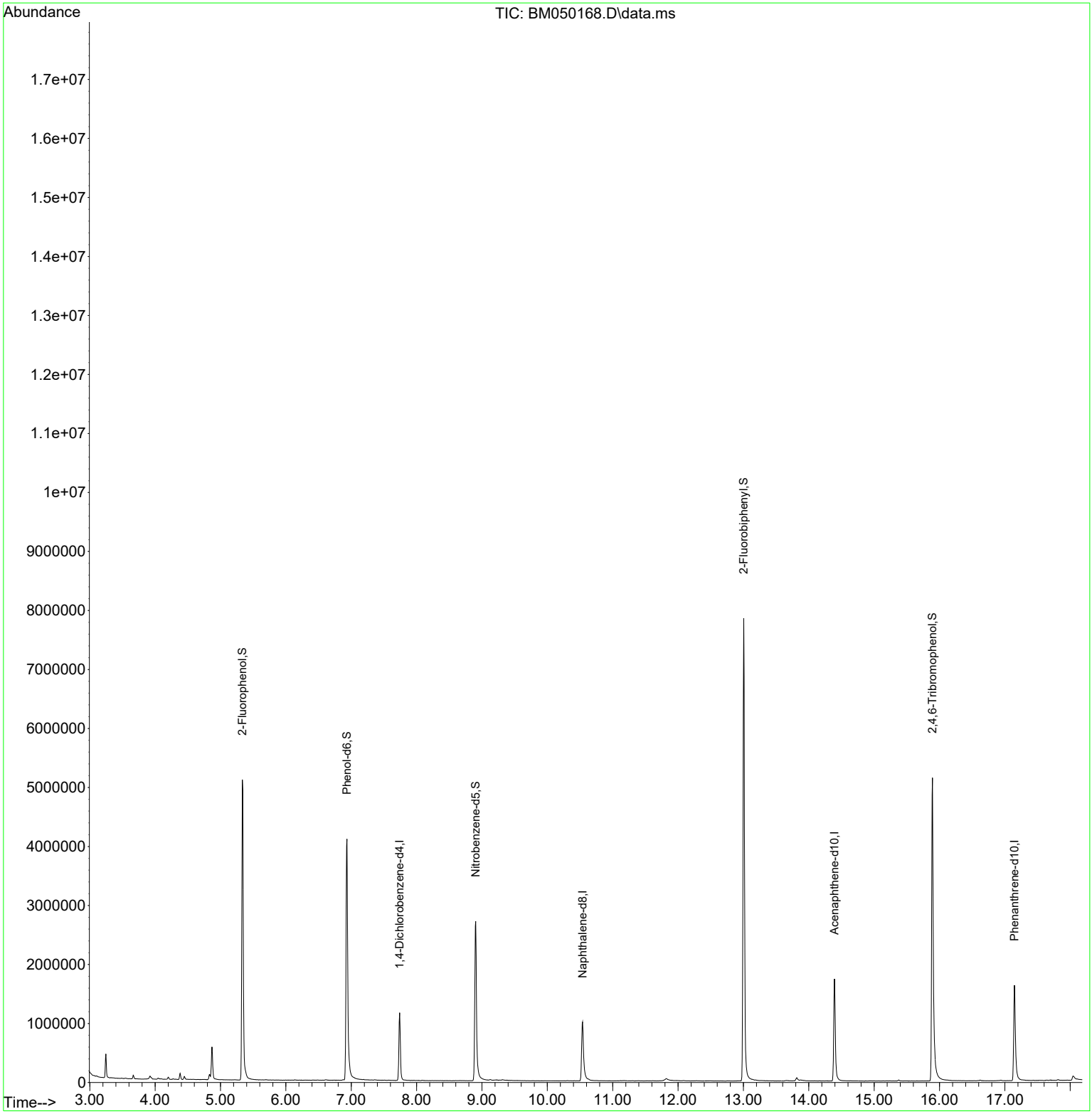

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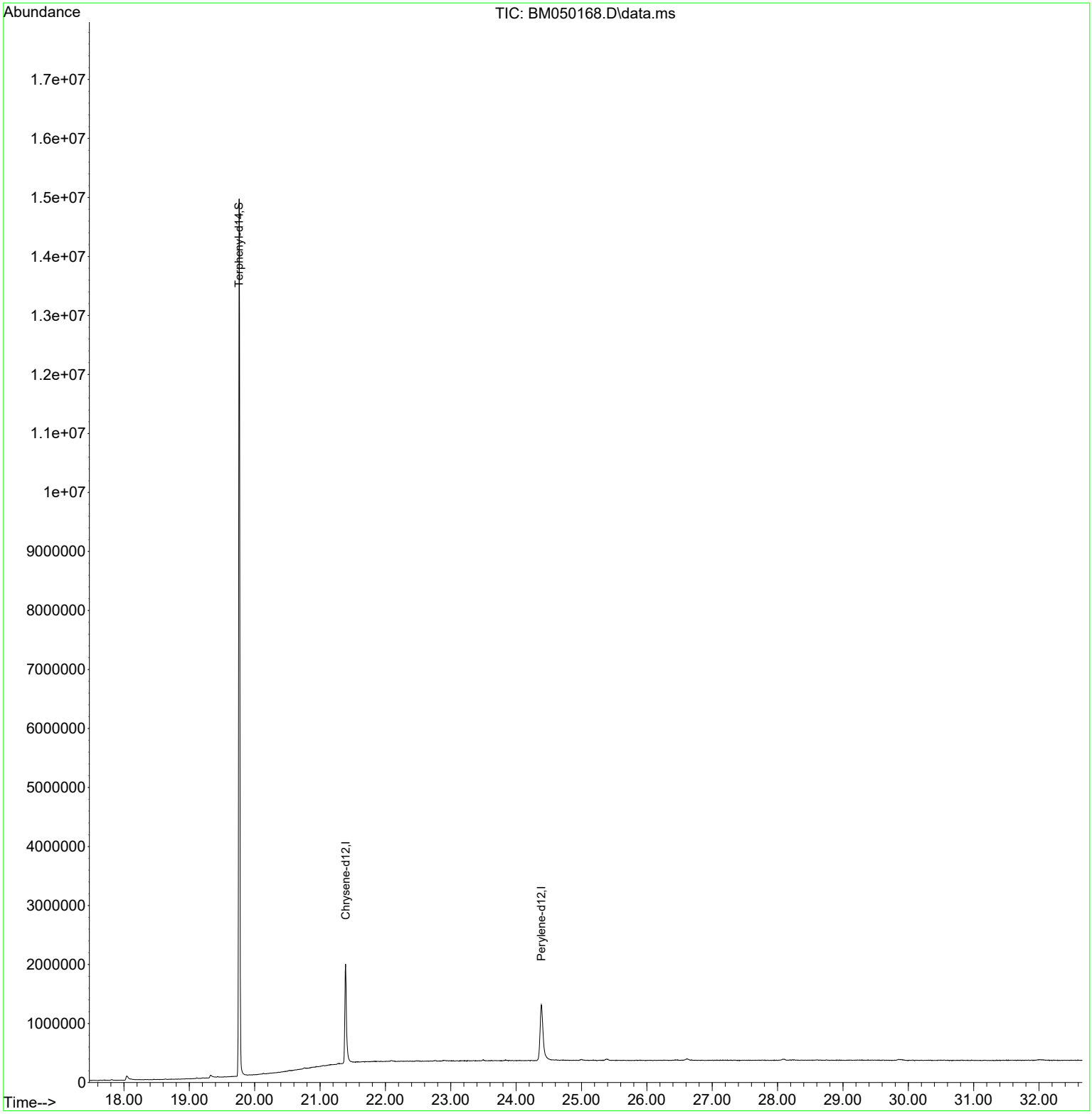
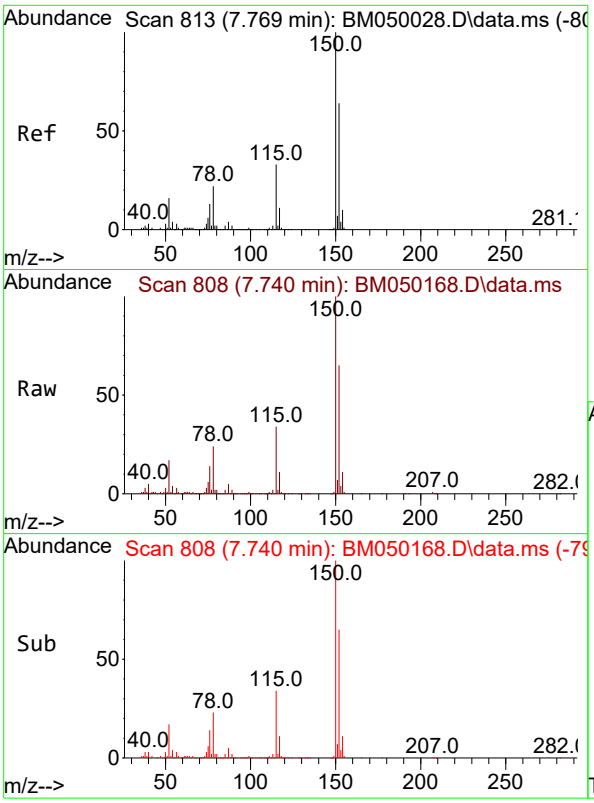


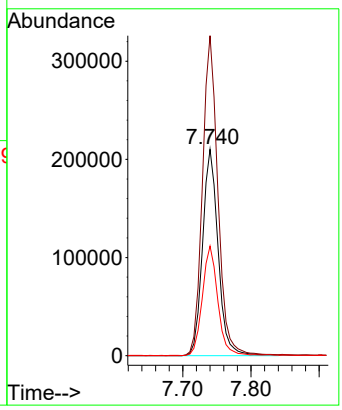


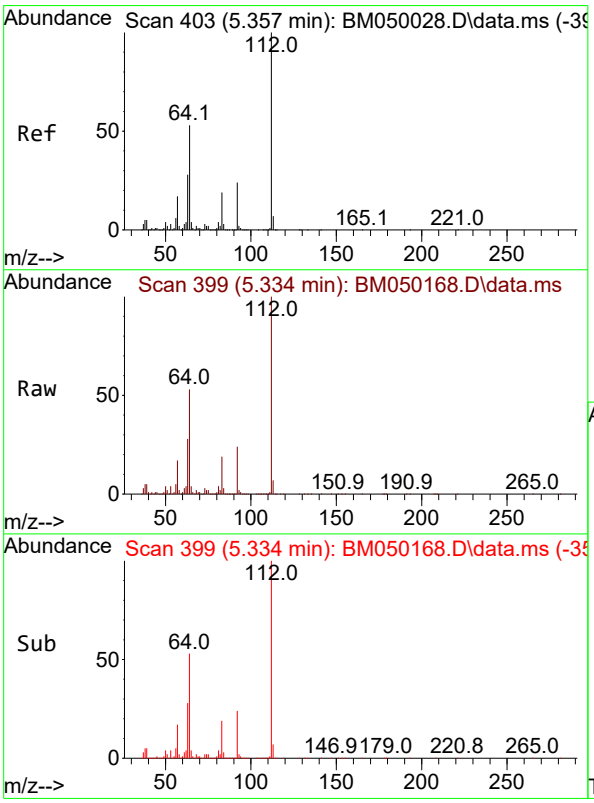
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.029 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-06

Tgt Ion:152 Resp: 334366

Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.1	186.1
115	53.1	41.2	61.8

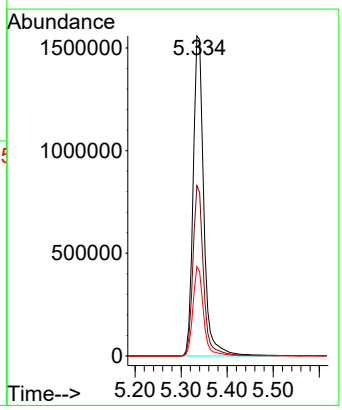


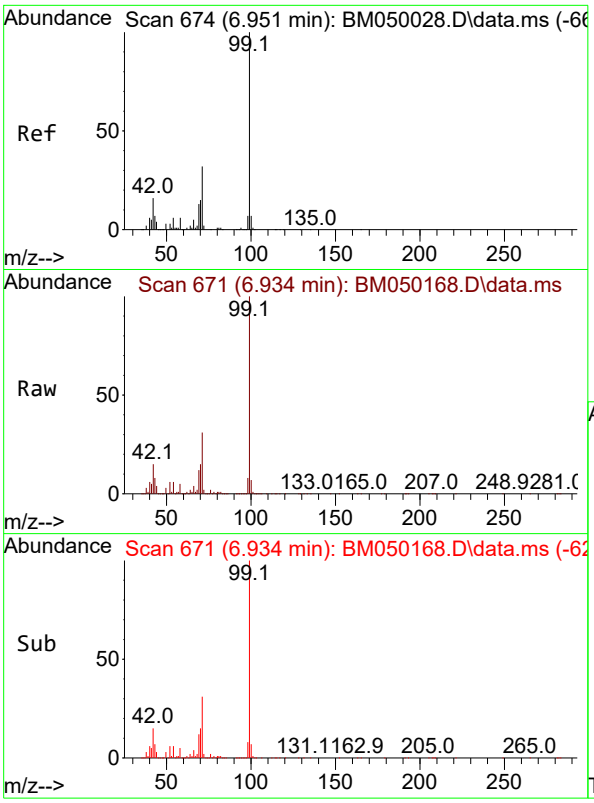


#5
2-Fluorophenol
Concen: 130.975 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.023 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Tgt Ion:112 Resp: 2500963

Ion	Ratio	Lower	Upper
112	100		
64	53.2	42.6	64.0
63	27.9	22.2	33.4



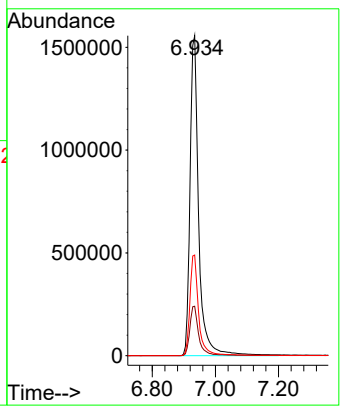


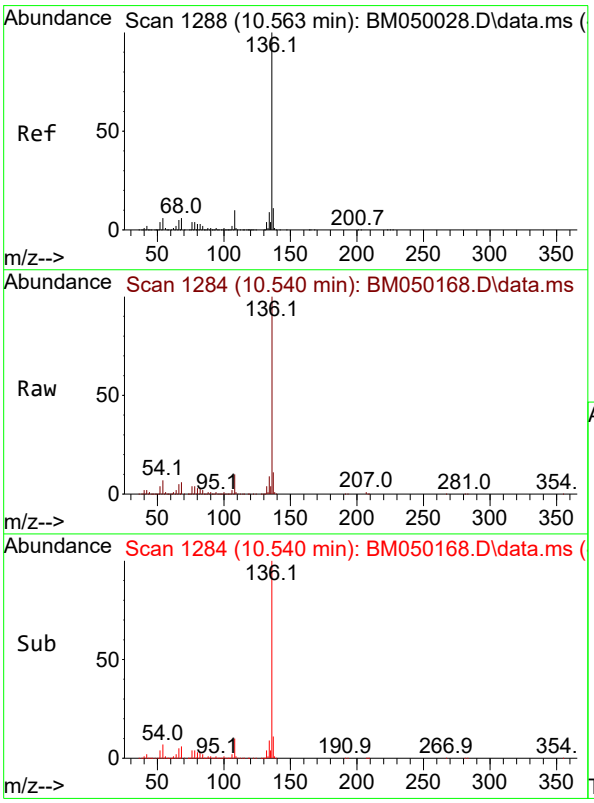
#7
Phenol-d6
Concen: 123.880 ng
RT: 6.934 min Scan# 6
Delta R.T. -0.017 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-06

Tgt Ion: 99 Resp: 2973097

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.0	19.4
71	31.5	25.6	38.4

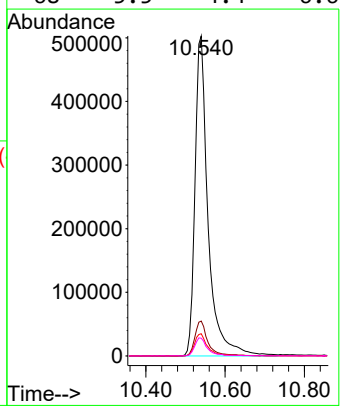


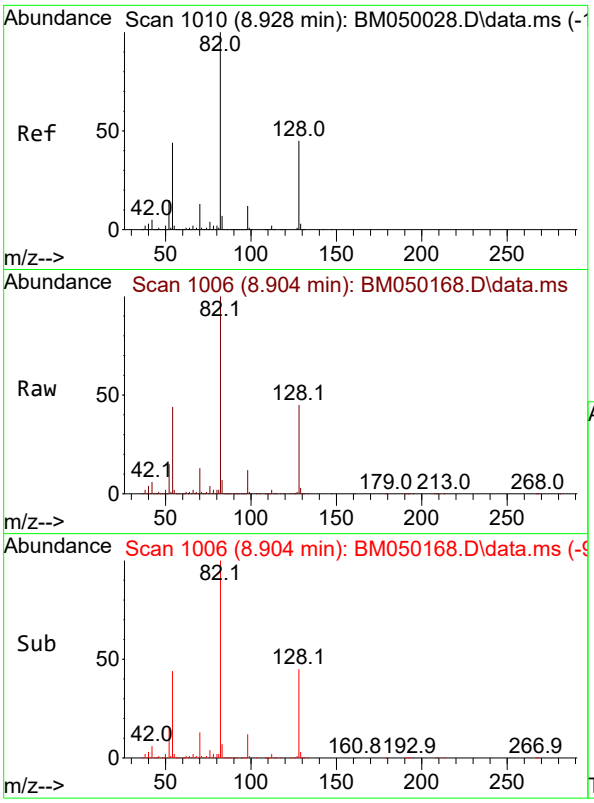


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Tgt Ion:136 Resp: 1153305

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.0	5.1	7.7
68	5.5	4.4	6.6



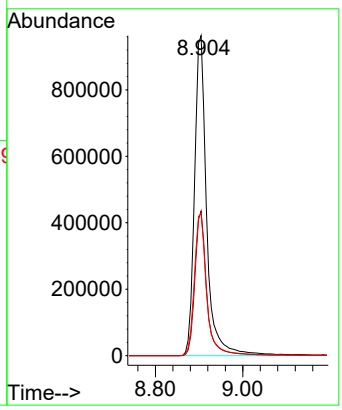


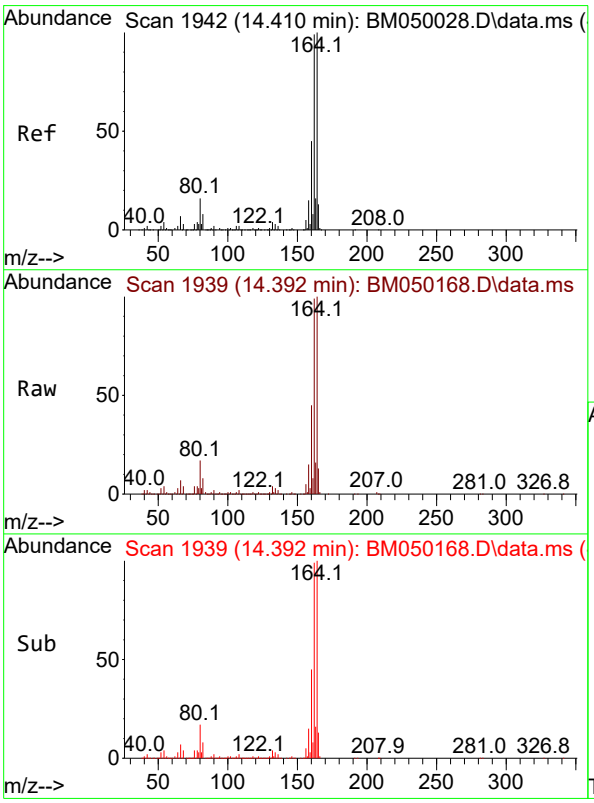
#23
Nitrobenzene-d5
Concen: 79.921 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-06

Tgt Ion: 82 Resp: 1870533

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.7	53.5
54	44.4	35.4	53.2

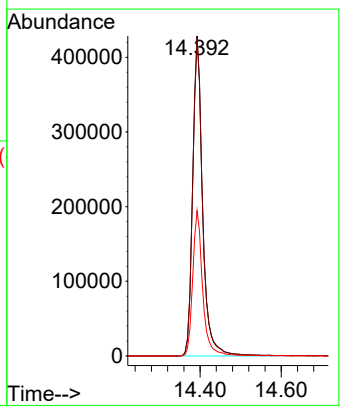


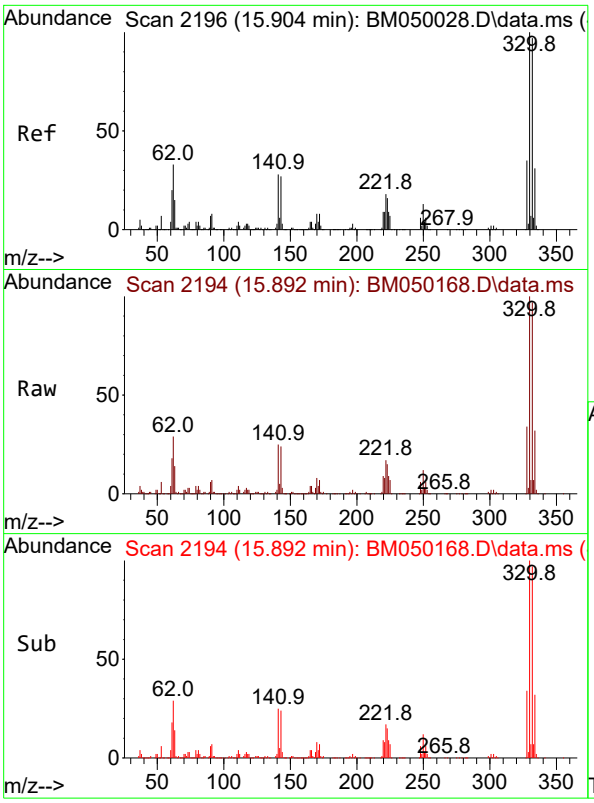


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Tgt Ion:164 Resp: 732926

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.4	119.0
160	45.4	36.2	54.4



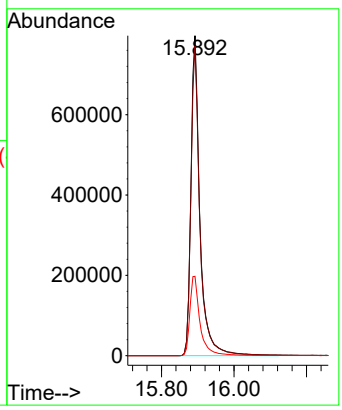


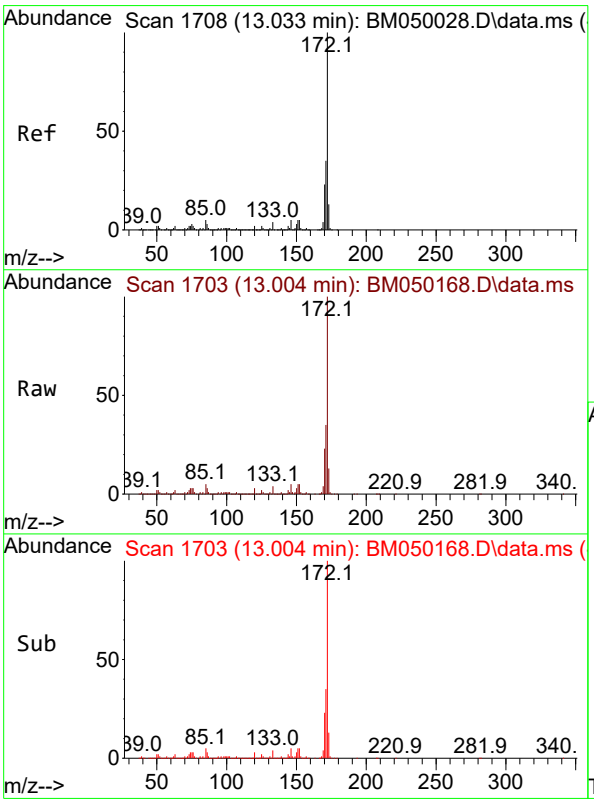
#42
2,4,6-Tribromophenol
Concen: 127.451 ng
RT: 15.892 min Scan# 2
Delta R.T. -0.011 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-06

Tgt Ion:330 Resp: 1381223

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	28.2	22.5	33.7

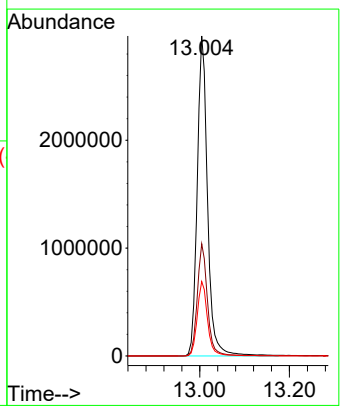


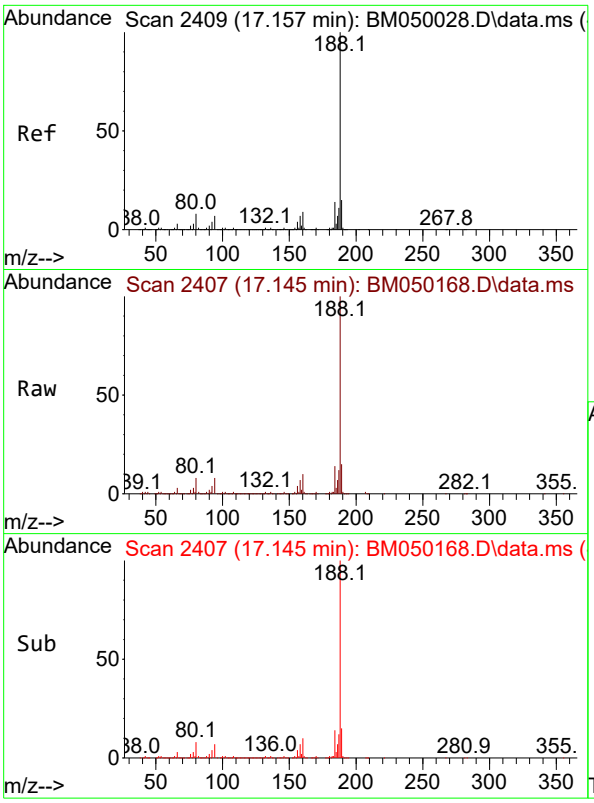


#45
2-Fluorobiphenyl
Concen: 76.360 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.029 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Tgt Ion:172 Resp: 4730946

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.2	18.6	28.0



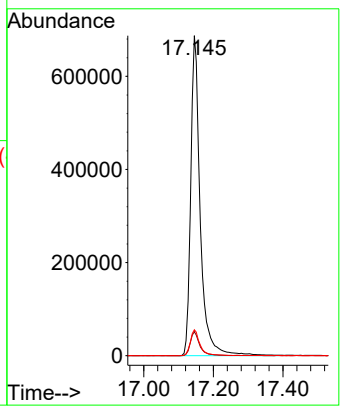


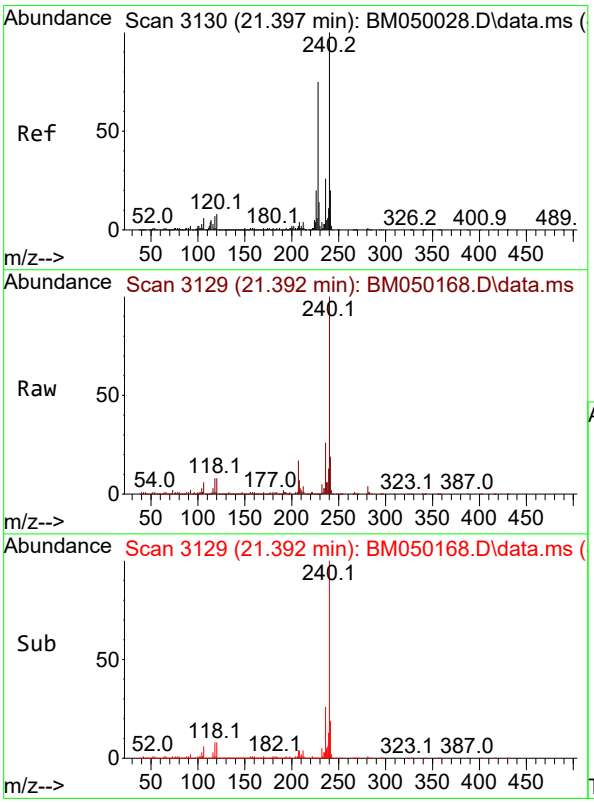
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-06

Tgt Ion:188 Resp: 1306143

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.7	8.5
80	8.1	6.2	9.4

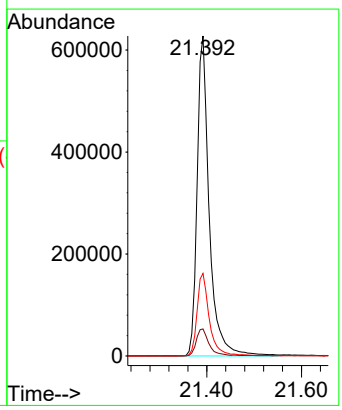


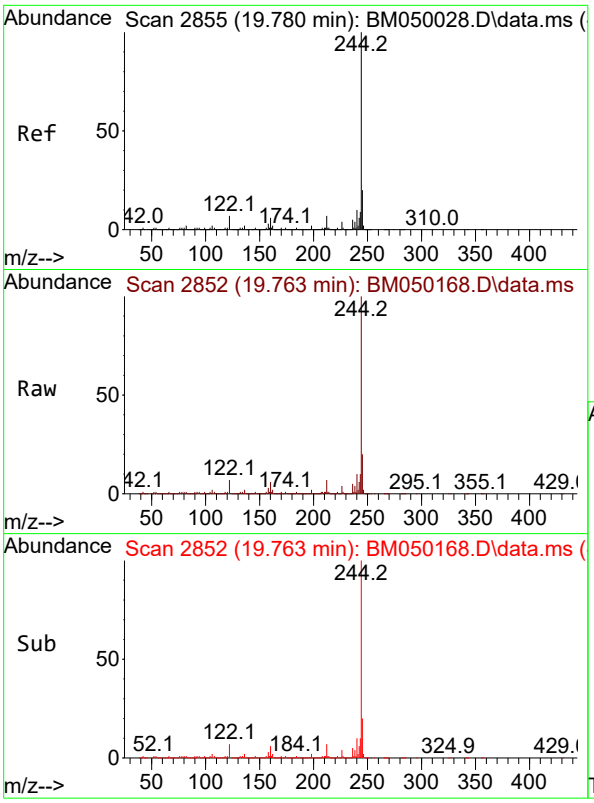


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.005 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Tgt Ion:240 Resp: 1114747

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.5	9.7
236	25.8	20.9	31.3



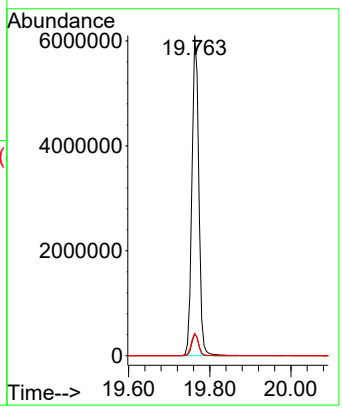


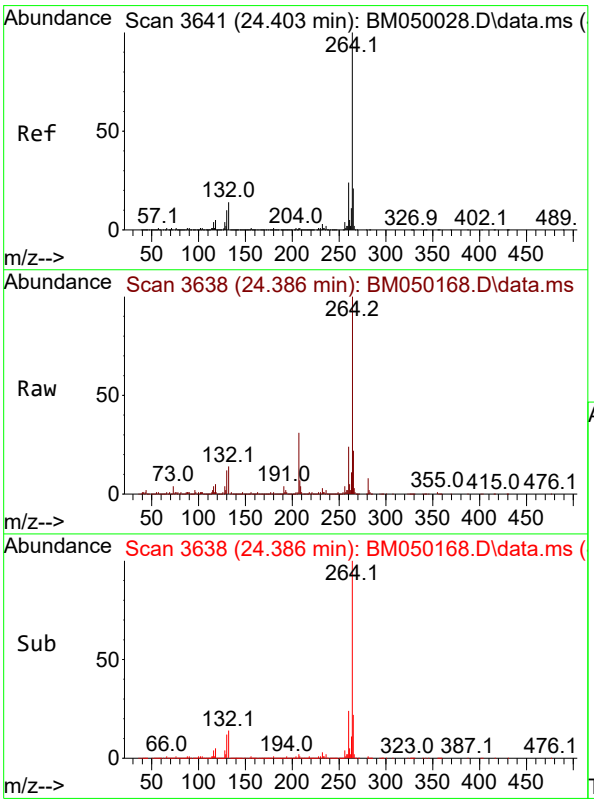
#79
Terphenyl-d14
Concen: 95.534 ng
RT: 19.763 min Scan# 2
Delta R.T. -0.017 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Instrument :
BNA_M
ClientSampleId :
OR-636-COMP-06

Tgt Ion:244 Resp: 7196932

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	7.0	5.6	8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3638
Delta R.T. -0.017 min
Lab File: BM050168.D
Acq: 09 May 2025 20:41

Tgt Ion:264 Resp: 1177692

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.2	17.0	25.4