Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050925\
Data File : BM050162.D
Acq On : 09 May 2025 16:46
Operator : RC/JU
Sample : Q1983-31
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 09 17:41:59 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	359803	20.000	ng	-0.03
21) Naphthalene-d8	10.533	136	1338107	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	995259	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	2096577	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1711612	20.000	ng	-0.01
86) Perylene-d12	24.385	264	1319301	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1244068	60.546	ng	-0.02
7) Phenol-d6	6.934	99	1669234	64.635	ng	-0.02
23) Nitrobenzene-d5	8.904	82	946556	34.857	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1034520	70.298	ng	-0.01
45) 2-Fluorobiphenyl	13.004	172	2698930	32.080	ng	-0.03
79) Terphenyl-d14	19.768	244	5653427	48.876	ng	-0.01
Target Compounds						Qvalue
63) Azobenzene	15.751	77	180923	3.150	ng	# 1

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

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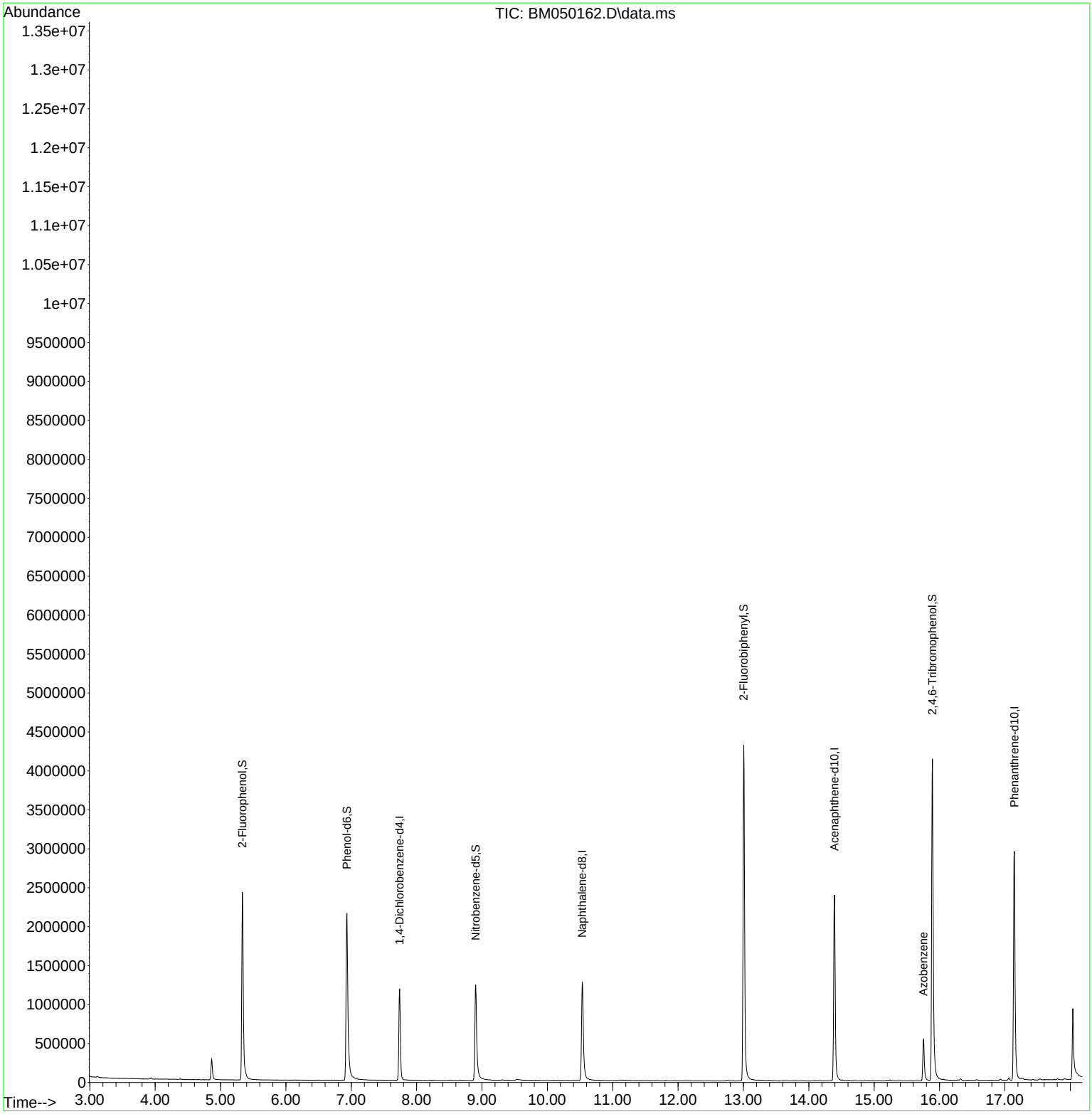

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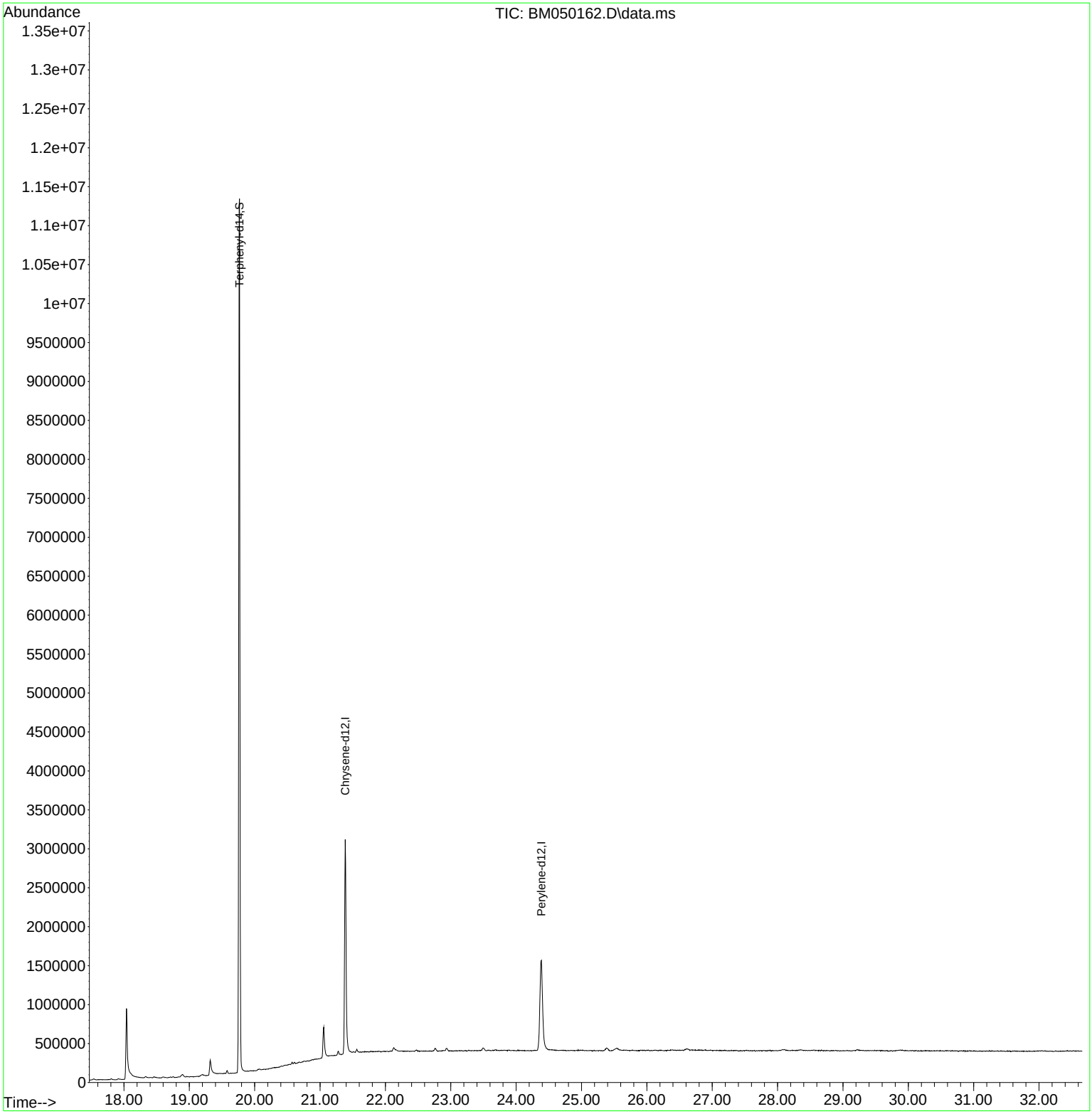
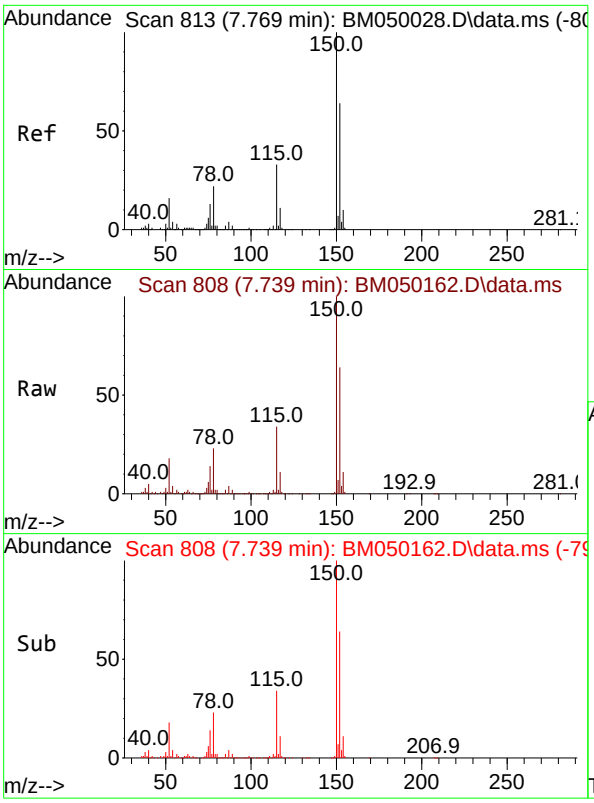


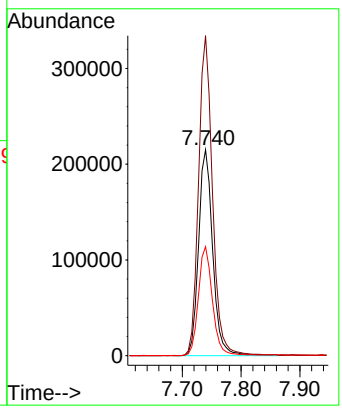


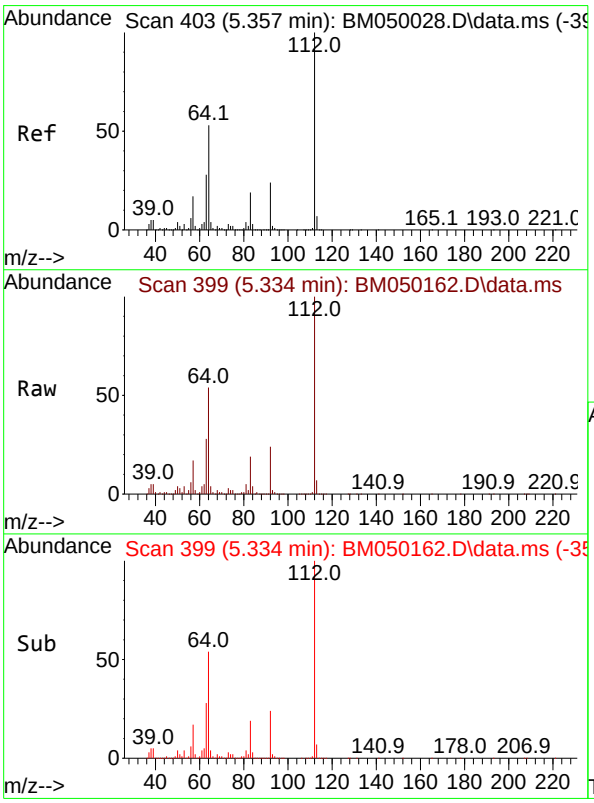
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 80
Delta R.T. -0.030 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

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

Tgt Ion:152 Resp: 359803

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.1	186.1
115	52.9	41.2	61.8

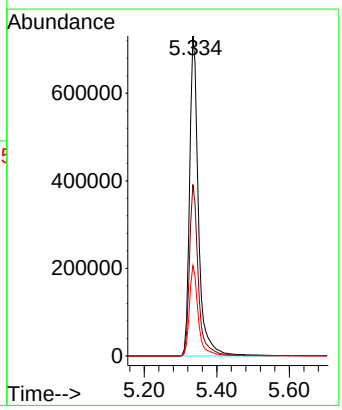


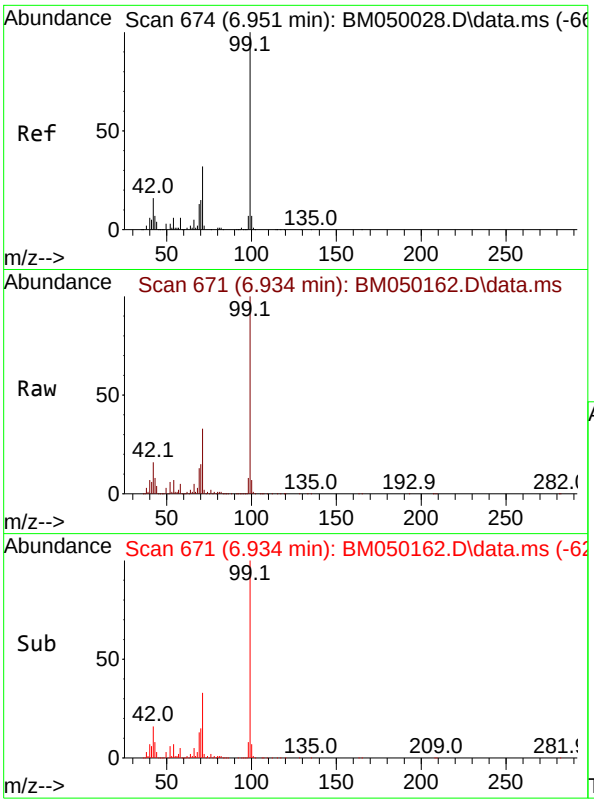


#5
2-Fluorophenol
Concen: 60.546 ng
RT: 5.334 min Scan# 399
Delta R.T. -0.024 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

Tgt Ion:112 Resp: 1244068

Ion	Ratio	Lower	Upper
112	100		
64	53.6	42.6	64.0
63	28.2	22.2	33.4



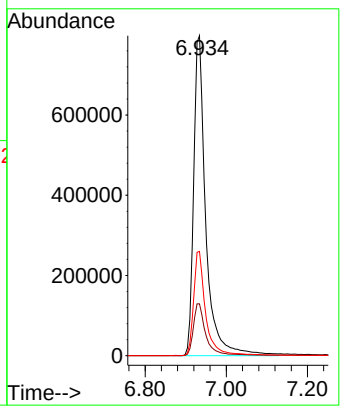


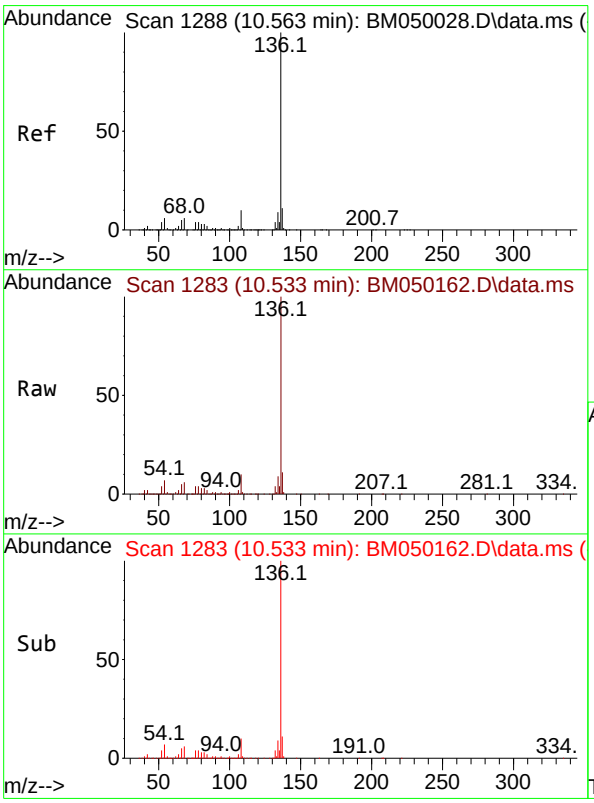
#7
Phenol-d6
Concen: 64.635 ng
RT: 6.934 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

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

Tgt Ion: 99 Resp: 1669234

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.0	19.4
71	32.6	25.6	38.4

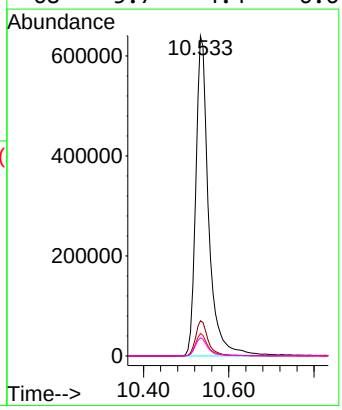


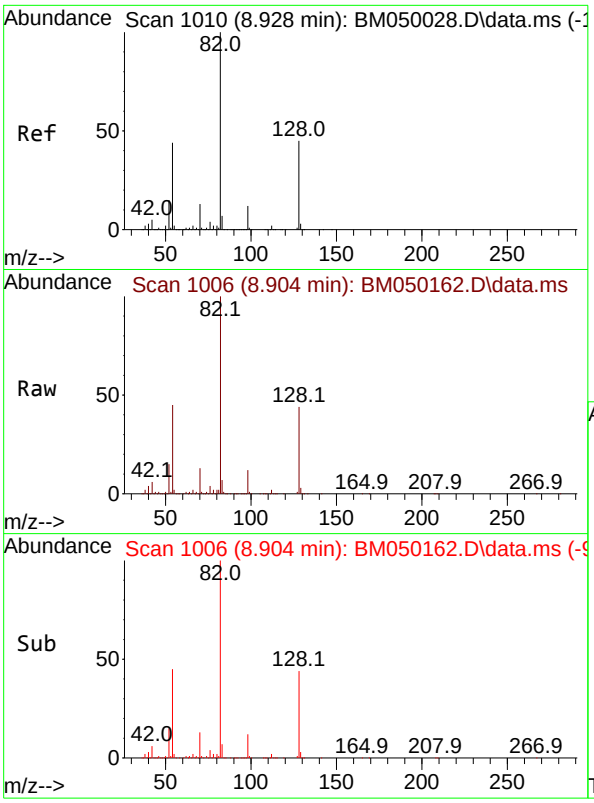


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.533 min Scan# 1283
Delta R.T. -0.029 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

Tgt Ion:136 Resp: 1338107

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.0	5.1	7.7
68	5.7	4.4	6.6



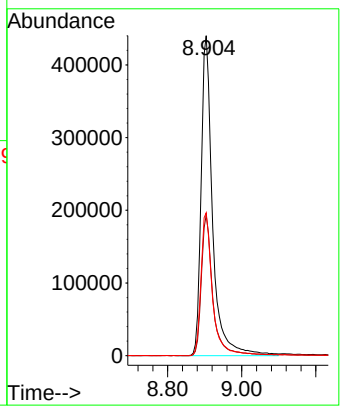


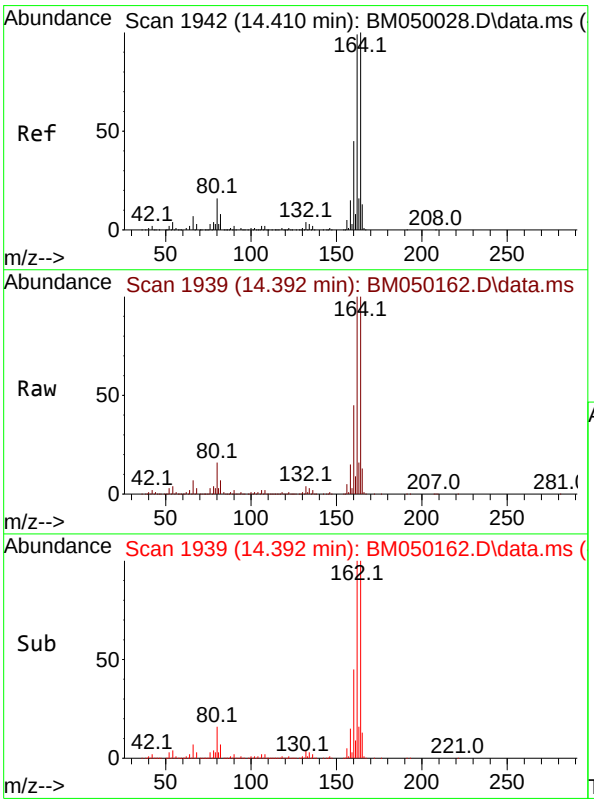
#23
Nitrobenzene-d5
Concen: 34.857 ng
RT: 8.904 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

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

Tgt Ion: 82 Resp: 946556

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.7	53.5
54	44.7	35.4	53.2

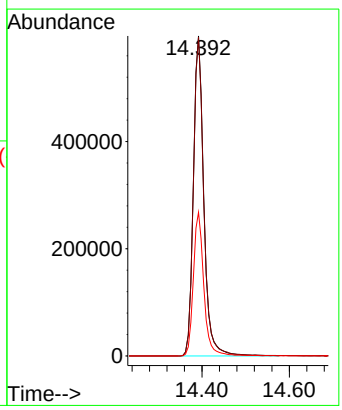


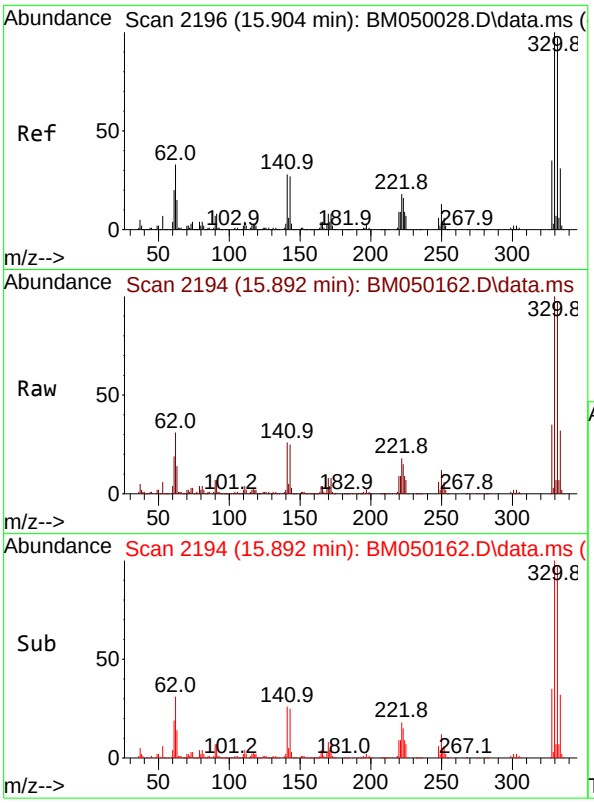


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

Tgt Ion:164 Resp: 995259

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.4	119.0
160	44.9	36.2	54.4



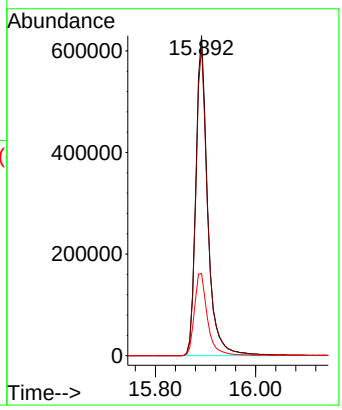


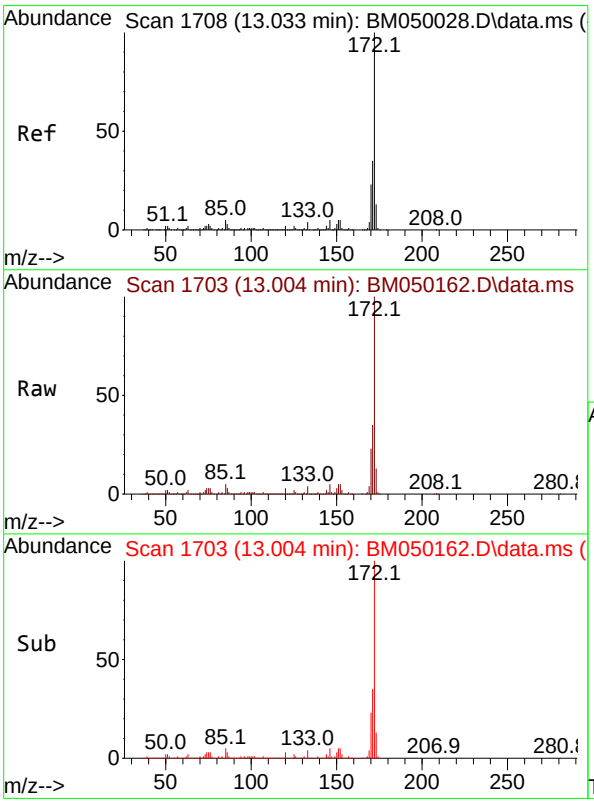
#42
2,4,6-Tribromophenol
Concen: 70.298 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

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

Tgt Ion:330 Resp: 1034520

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	28.7	22.5	33.7

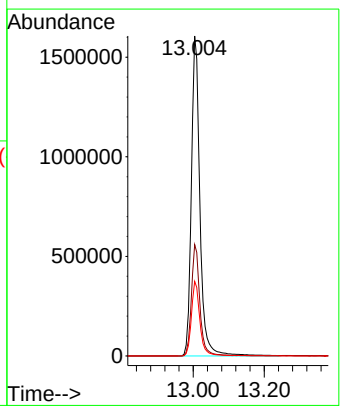


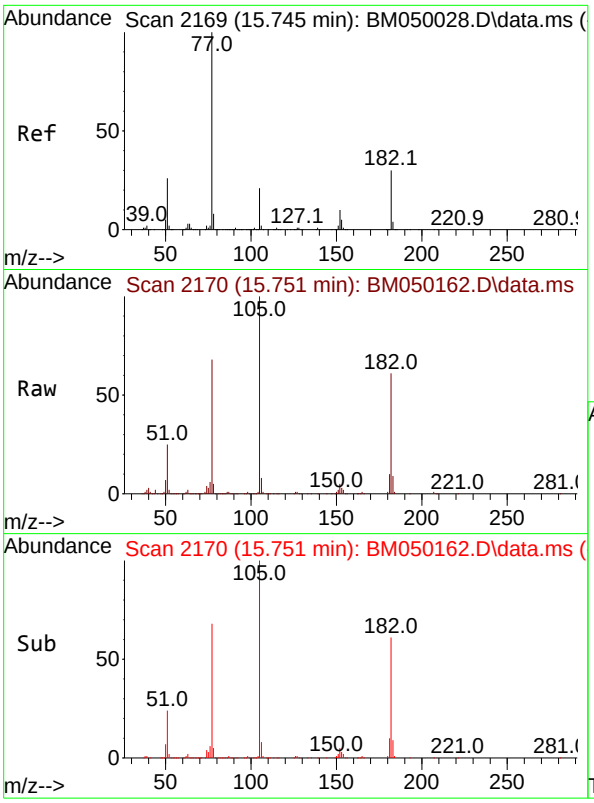


#45
2-Fluorobiphenyl
Concen: 32.080 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.029 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

Tgt Ion:172 Resp: 2698930

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.3	18.6	28.0



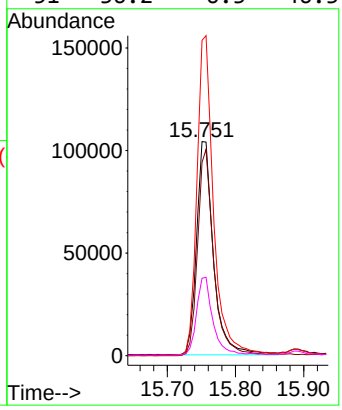


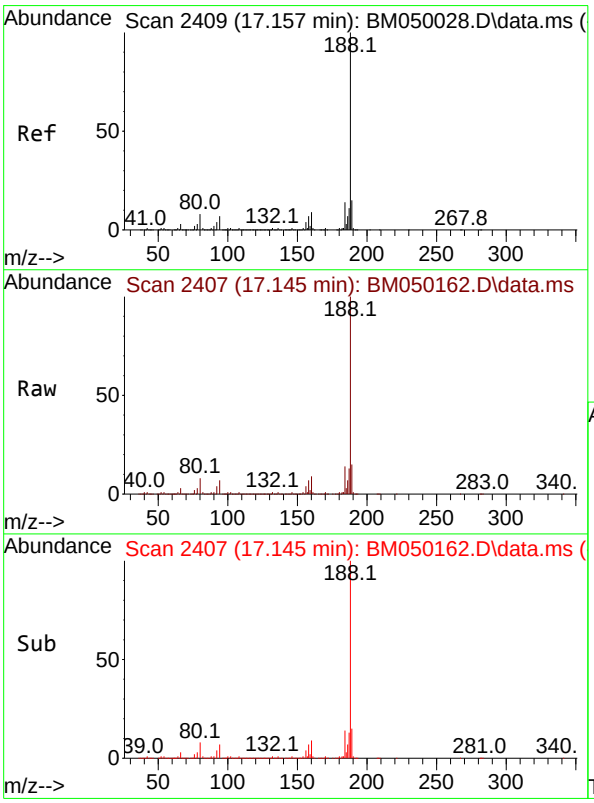
#63
Azobenzene
Concen: 3.150 ng
RT: 15.751 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

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

Tgt Ion: 77 Resp: 180923

Ion	Ratio	Lower	Upper
77	100		
182	90.3	10.5	50.5#
105	147.3	1.1	41.1#
51	36.2	6.3	46.3

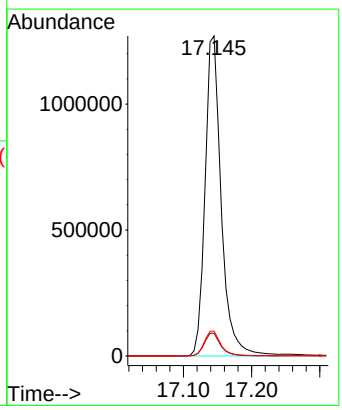


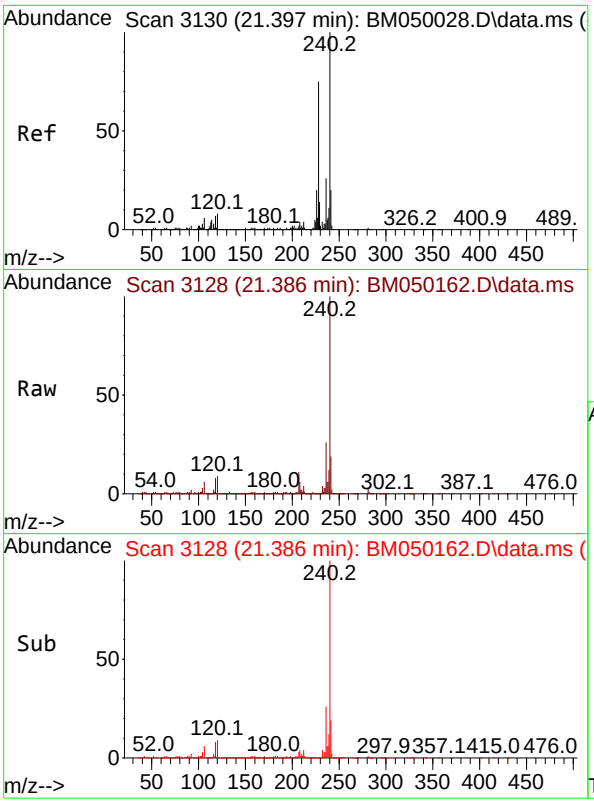


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

Tgt Ion:188 Resp: 2096577

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	7.8	6.2	9.4



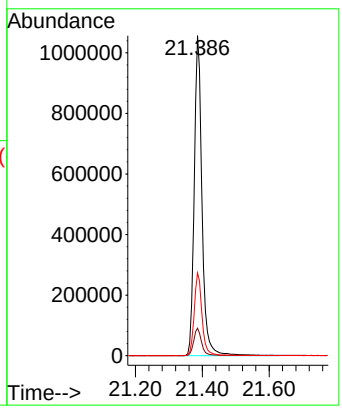


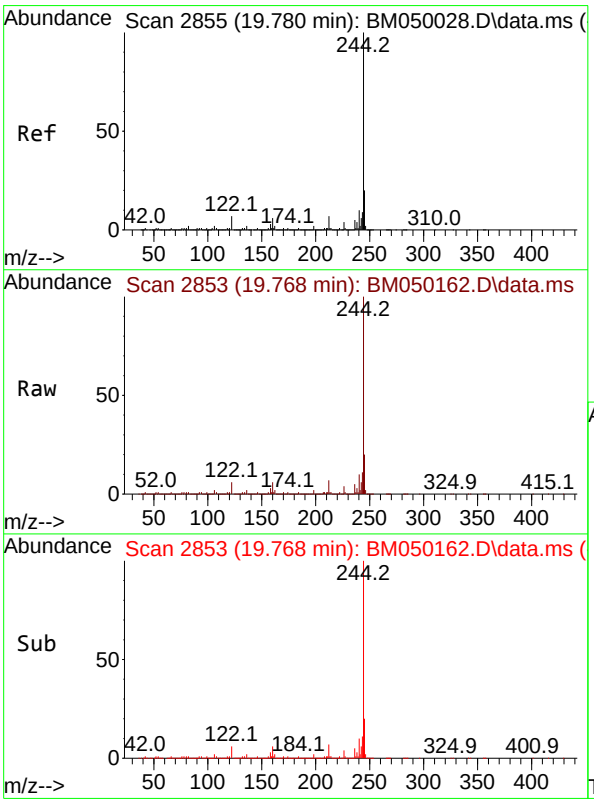
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.011 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

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

Tgt Ion:240 Resp: 1711612

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.5	9.7
236	25.9	20.9	31.3

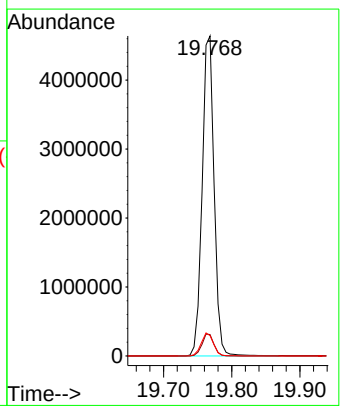


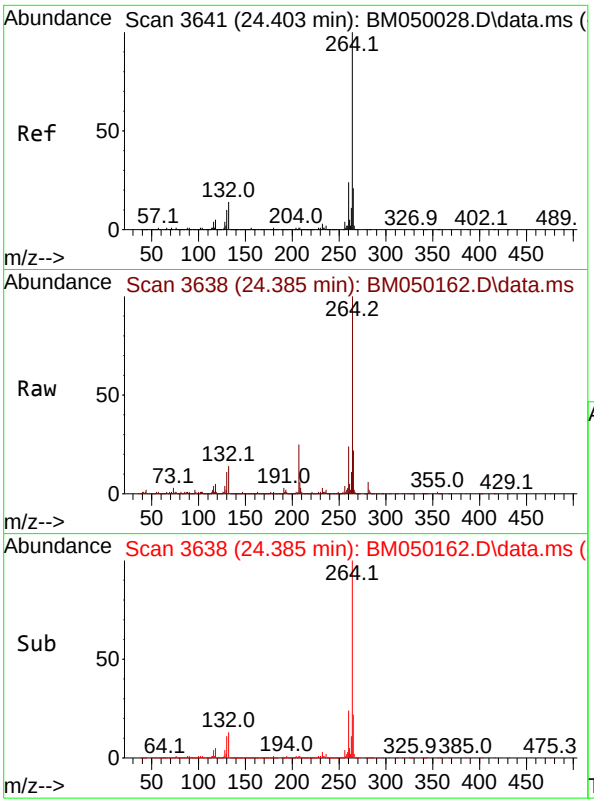


#79
Terphenyl-d14
Concen: 48.876 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

Tgt Ion:244 Resp: 5653427

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	6.3	5.6	8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.385 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM050162.D
Acq: 09 May 2025 16:46

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

Tgt Ion:264 Resp: 1319301

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.8	17.0	25.4