Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
Data File : BM050400.D
Acq On : 10 Jul 2025 21:59
Operator : RC/JU
Sample : Q2489-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G4(6-12)

Quant Time: Jul 11 01:28:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	597253	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	2214714	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1423764	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	2875413	20.000	ng	0.00
76) Chrysene-d12	21.445	240	3102697	20.000	ng	-0.01
86) Perylene-d12	24.485	264	3090701	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2036105	58.682	ng	0.00
7) Phenol-d6	7.016	99	1552751	35.500	ng	0.00
23) Nitrobenzene-d5	9.016	82	3621257	83.419	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	2750567	159.003	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	9537442	82.725	ng	0.00
79) Terphenyl-d14	19.833	244	13090846	74.235	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.710	128	3023594	26.878	ng	100
37) 2-Methylnaphthalene	12.316	142	306779	4.319	ng	97
38) 1-Methylnaphthalene	12.533	142	303775	4.041	ng	98
50) Dimethylphthalate	13.939	163	277947	2.836	ng	100

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

Quantitation Report (QT Reviewed)

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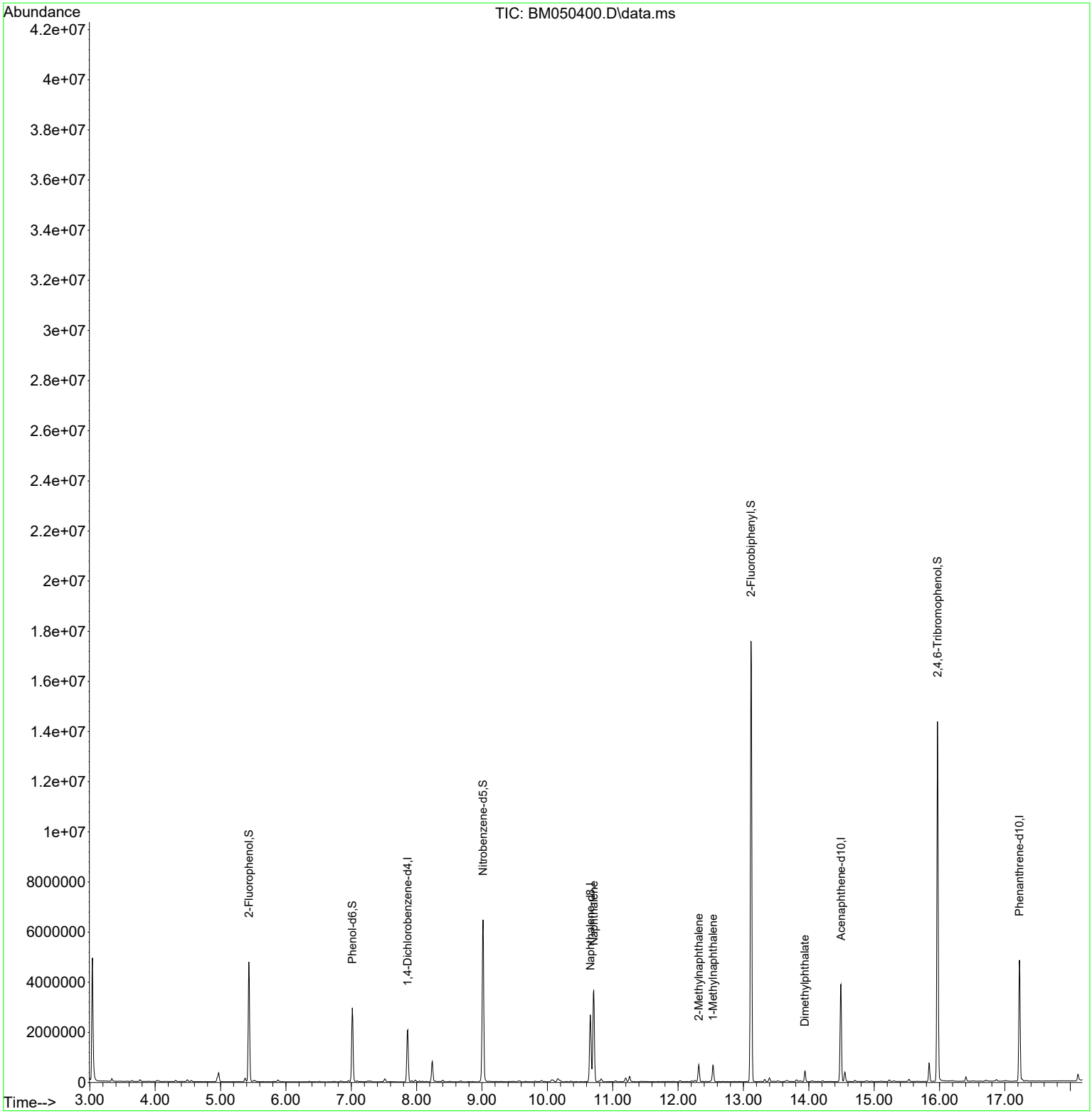

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
Data File : BM050400.D
Acq On : 10 Jul 2025 21:59
Operator : RC/JU
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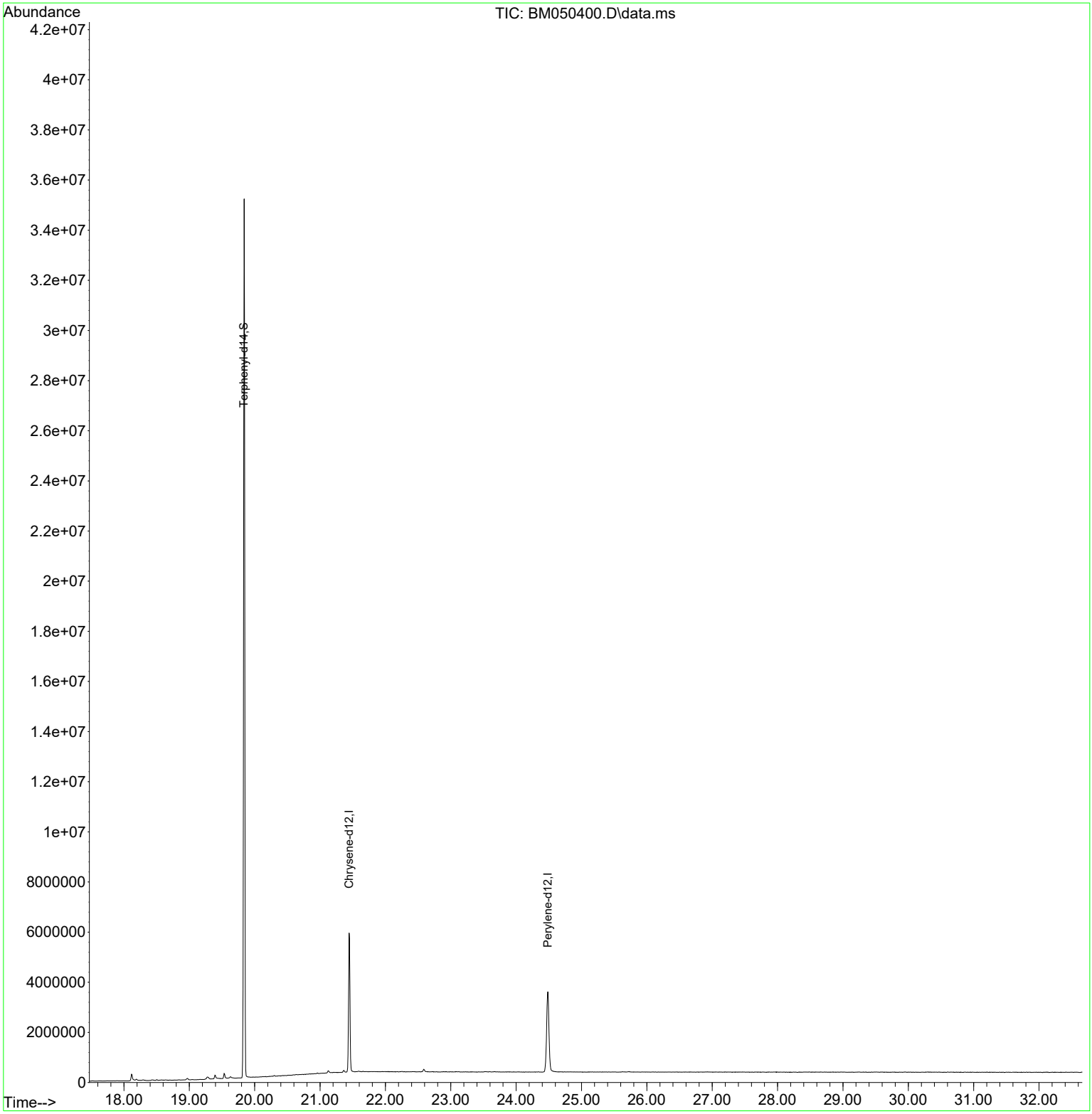
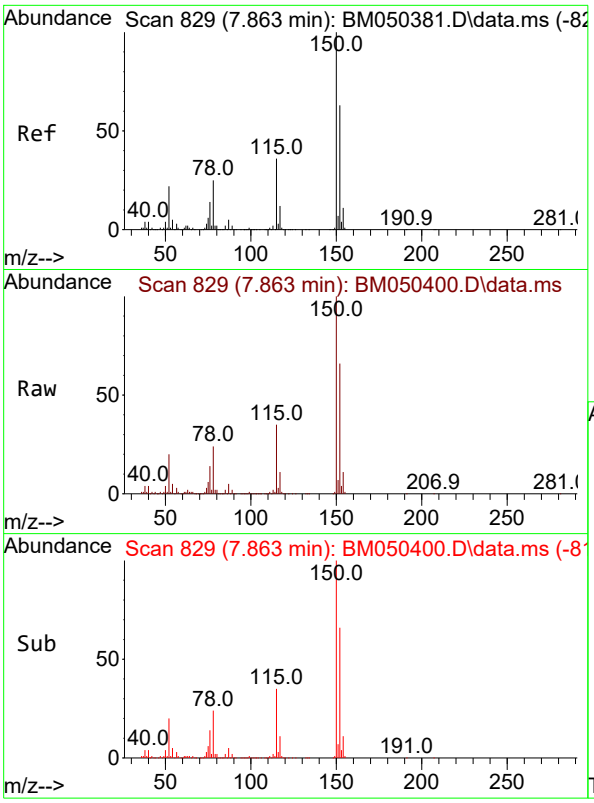


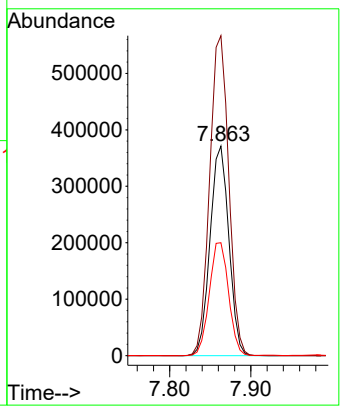


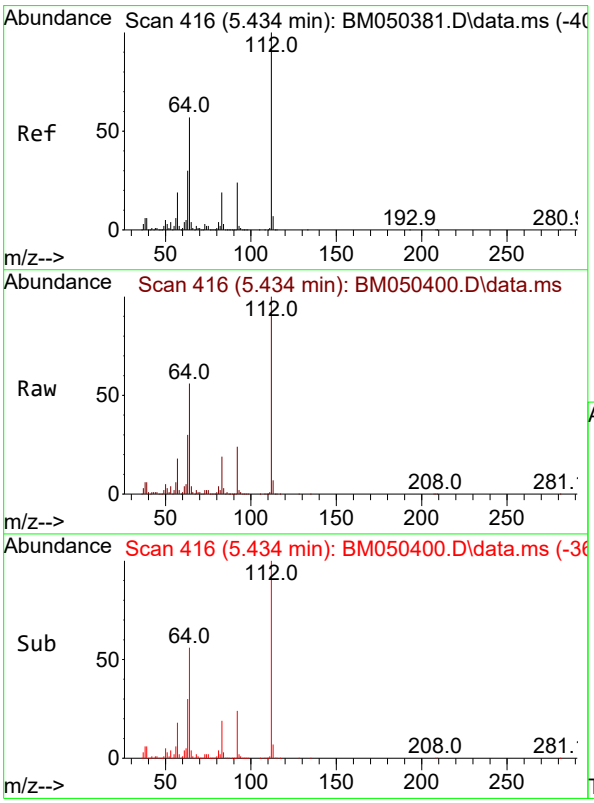
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Instrument :
BNA_M
ClientSampleId :
G4(6-12)

Tgt Ion:152 Resp: 597253

Ion	Ratio	Lower	Upper
152	100		
150	152.7	126.2	189.4
115	53.9	45.8	68.8

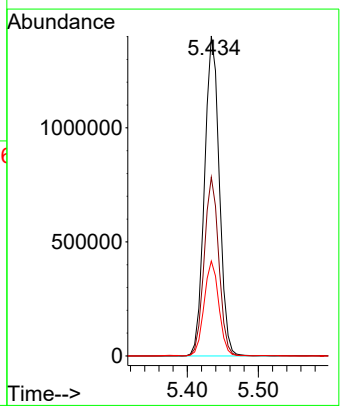


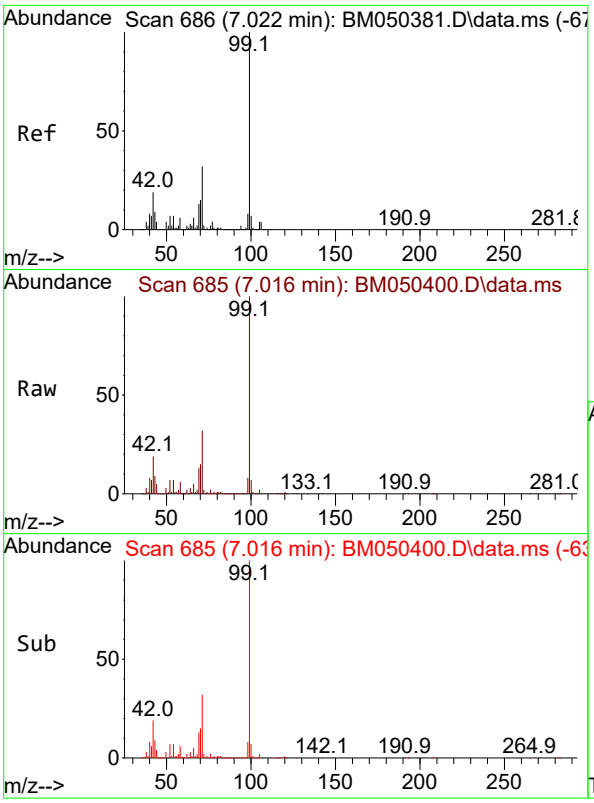


#5
2-Fluorophenol
Concen: 58.682 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Tgt Ion:112 Resp: 2036105

Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.5	68.3
63	29.7	24.2	36.4



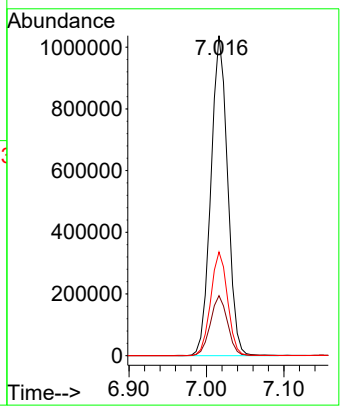


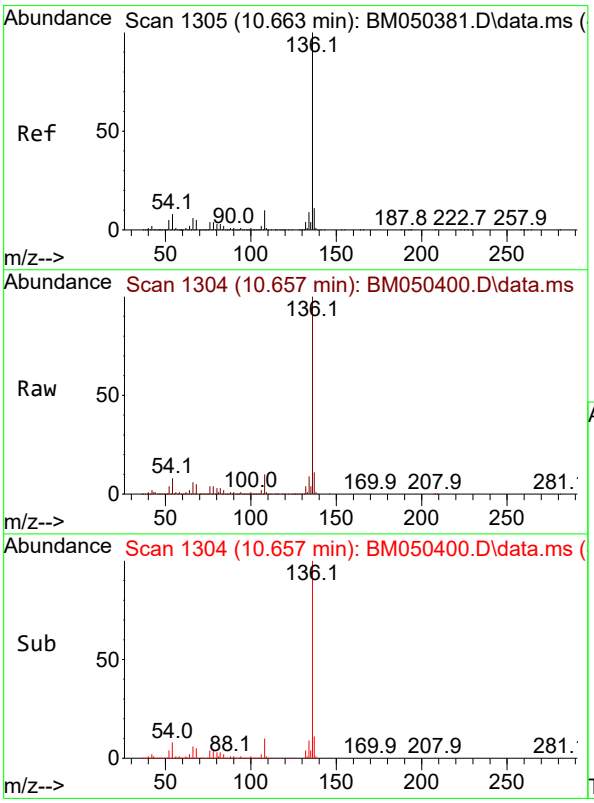
#7
Phenol-d6
Concen: 35.500 ng
RT: 7.016 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Instrument :
BNA_M
ClientSampleId :
G4(6-12)

Tgt Ion: 99 Resp: 1552751

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.0	22.6
71	32.4	25.9	38.9

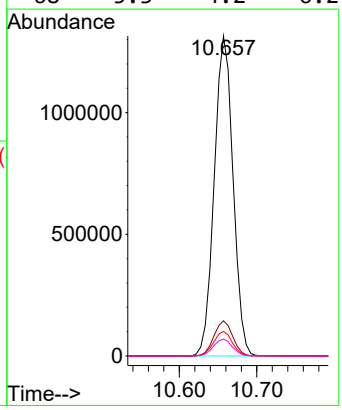


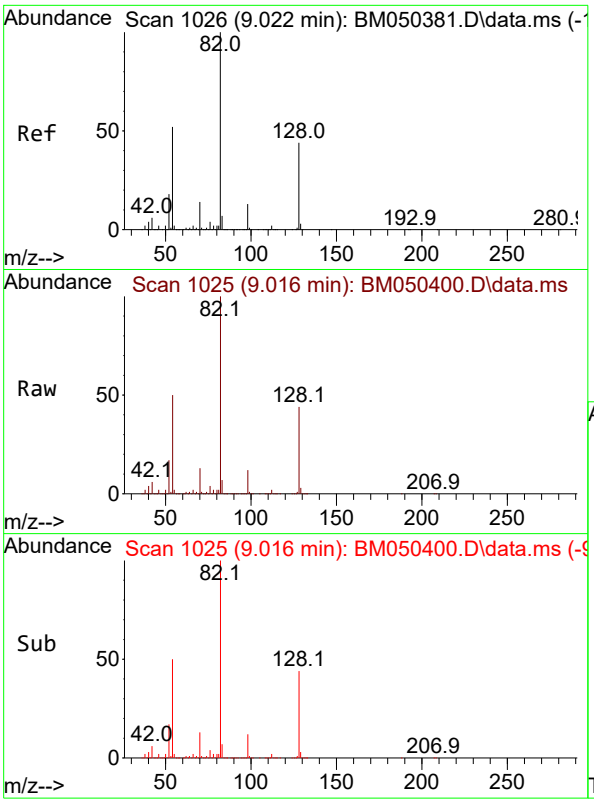


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Tgt Ion:136 Resp: 2214714

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	6.3	9.5
68	5.3	4.2	6.2



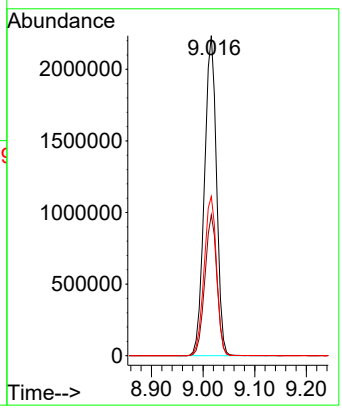


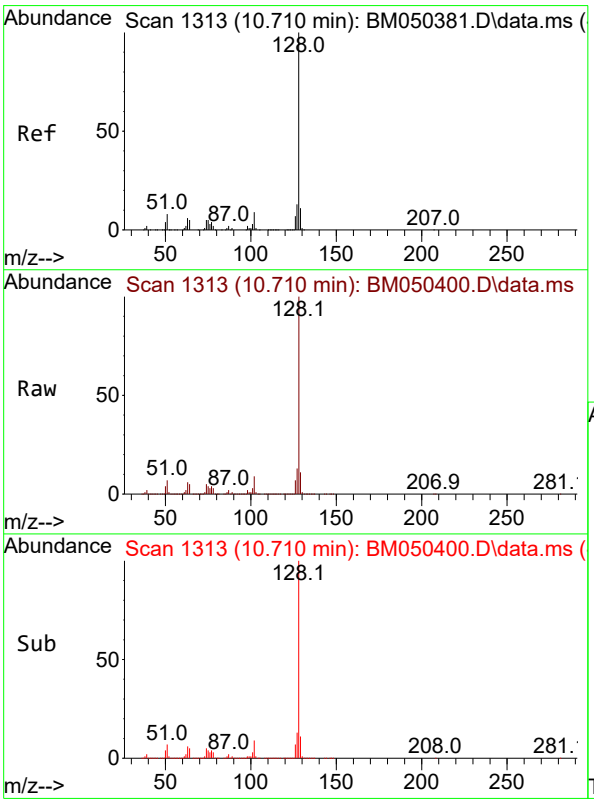
#23
Nitrobenzene-d5
Concen: 83.419 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Instrument :
BNA_M
ClientSampleId :
G4(6-12)

Tgt Ion: 82 Resp: 3621257

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.2	52.8
54	49.8	41.5	62.3

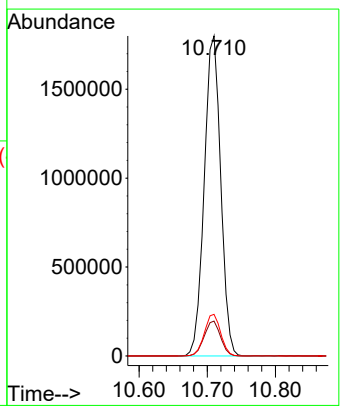


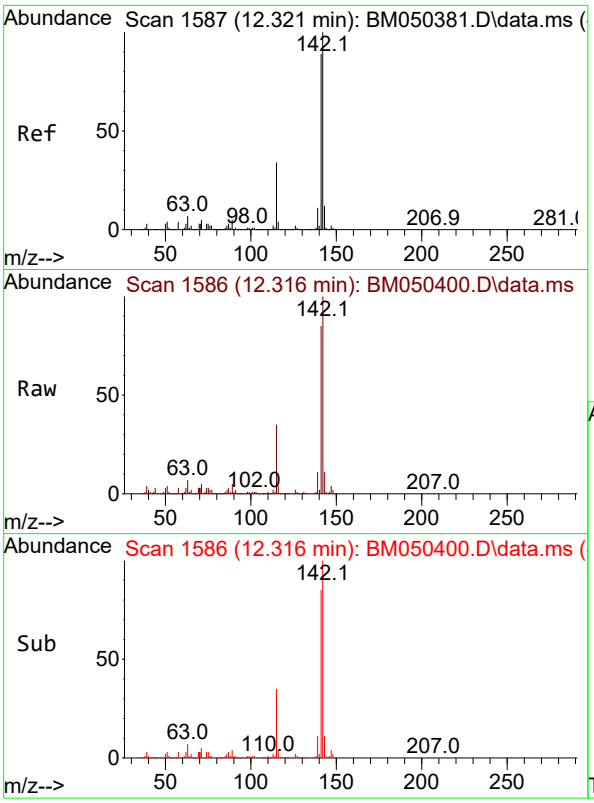


#31
Naphthalene
Concen: 26.878 ng
RT: 10.710 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Tgt Ion:128 Resp: 3023594

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.4	15.6



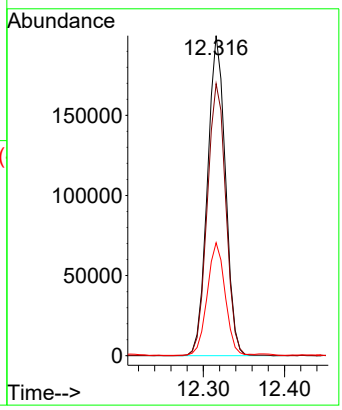


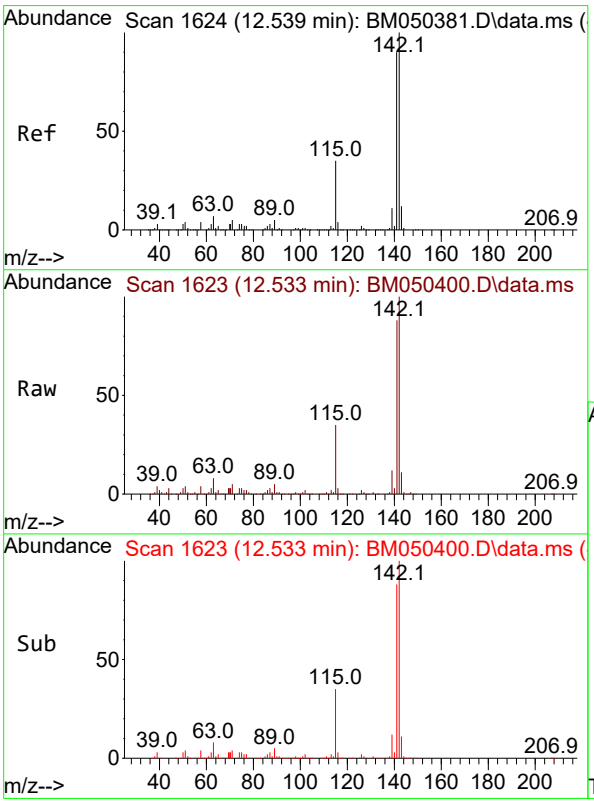
#37
2-Methylnaphthalene
Concen: 4.319 ng
RT: 12.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Instrument :
BNA_M
ClientSampleId :
G4(6-12)

Tgt Ion:142 Resp: 306779

Ion	Ratio	Lower	Upper
142	100		
141	85.0	70.8	106.2
115	35.3	27.0	40.4

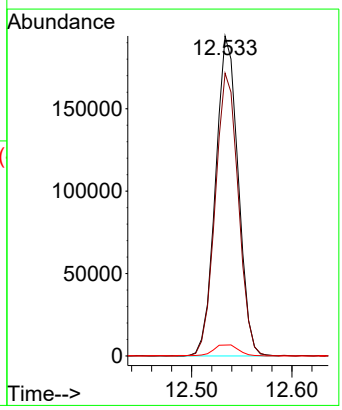


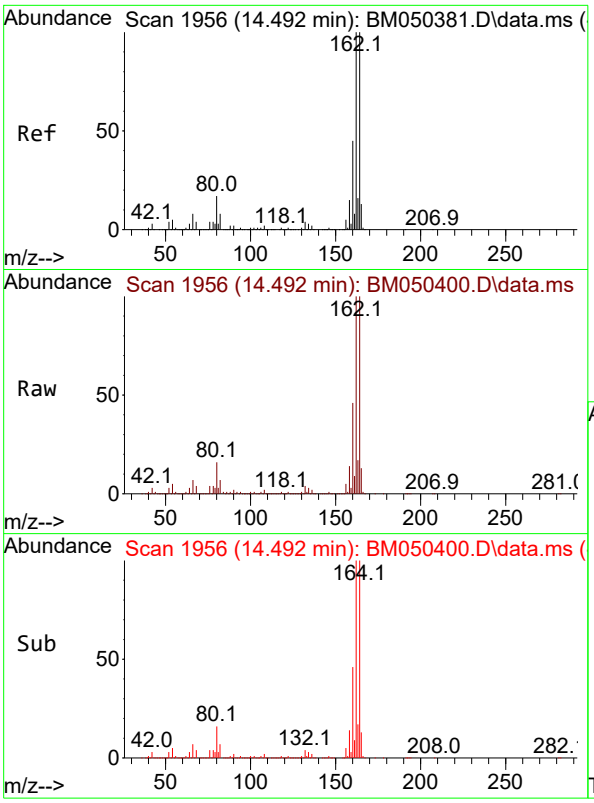


#38
1-Methylnaphthalene
Concen: 4.041 ng
RT: 12.533 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Tgt Ion:142 Resp: 303775

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.9	107.9
116	3.4	3.0	4.6



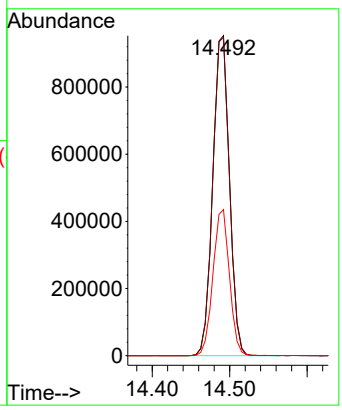


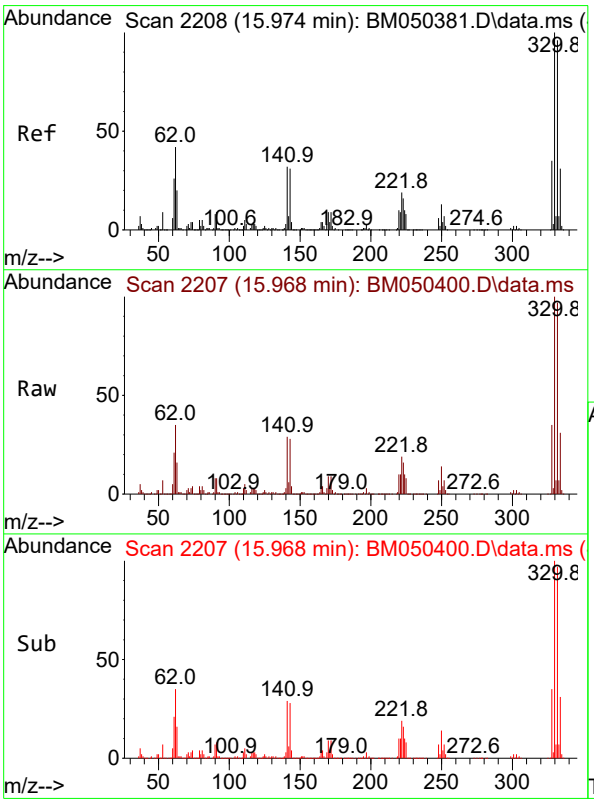
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Instrument :
BNA_M
ClientSampleId :
G4(6-12)

Tgt Ion:164 Resp: 1423764

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.9	119.9
160	45.6	36.2	54.4

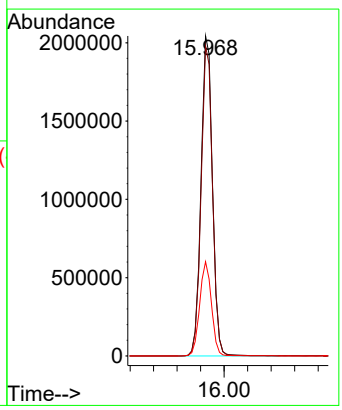


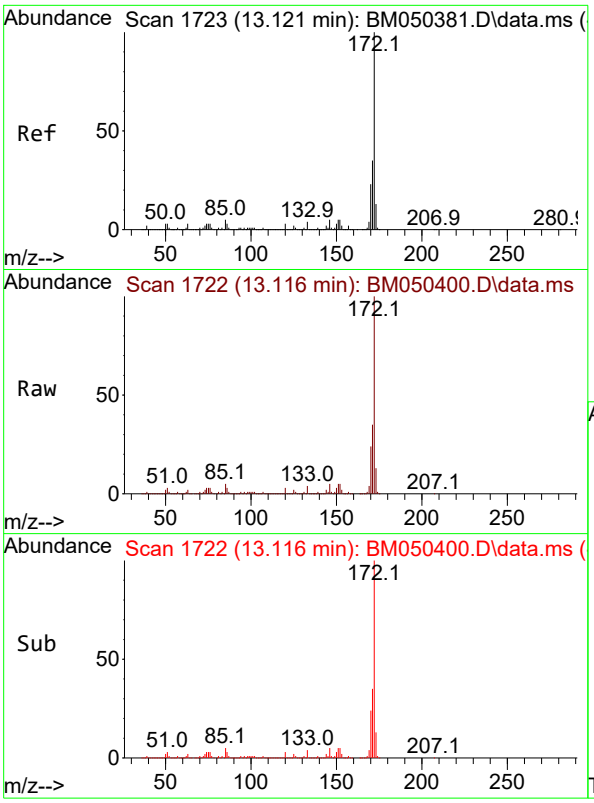


#42
2,4,6-Tribromophenol
Concen: 159.003 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Tgt Ion:330 Resp: 2750567

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	30.5	27.4	41.0



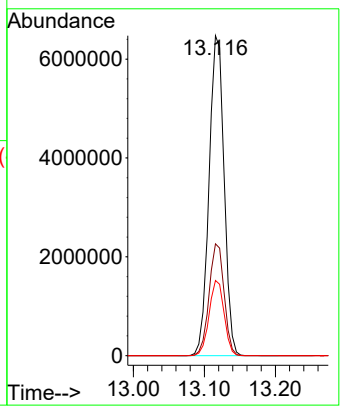


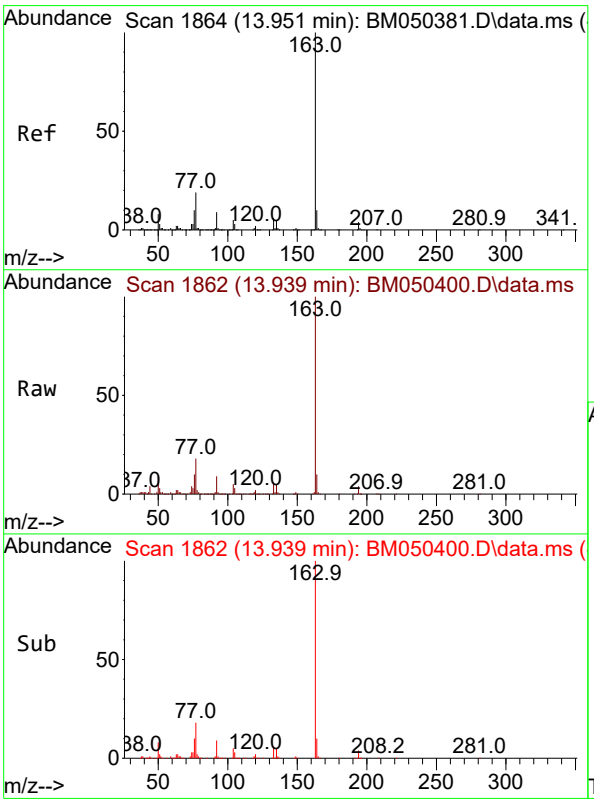
#45
2-Fluorobiphenyl
Concen: 82.725 ng
RT: 13.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Instrument :
BNA_M
ClientSampleId :
G4(6-12)

Tgt Ion:172 Resp: 9537442

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.7	41.5
170	23.5	18.8	28.2

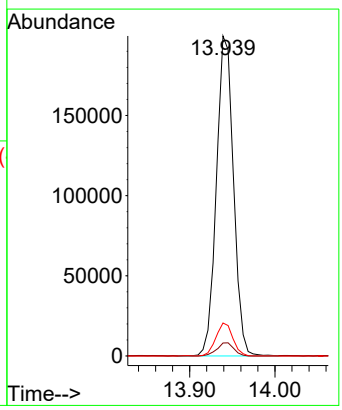


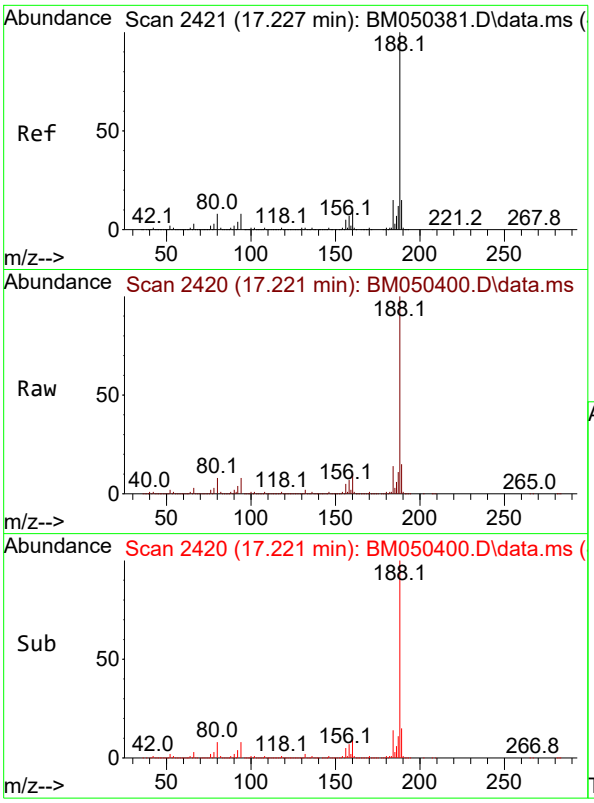


#50
Dimethylphthalate
Concen: 2.836 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Tgt Ion:163 Resp: 277947

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.2
164	10.3	8.2	12.2



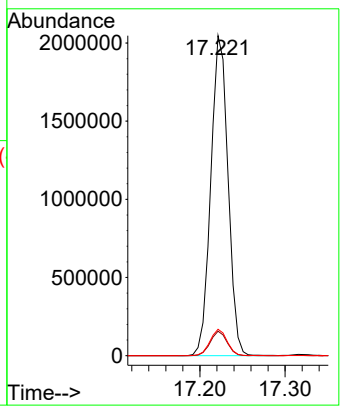


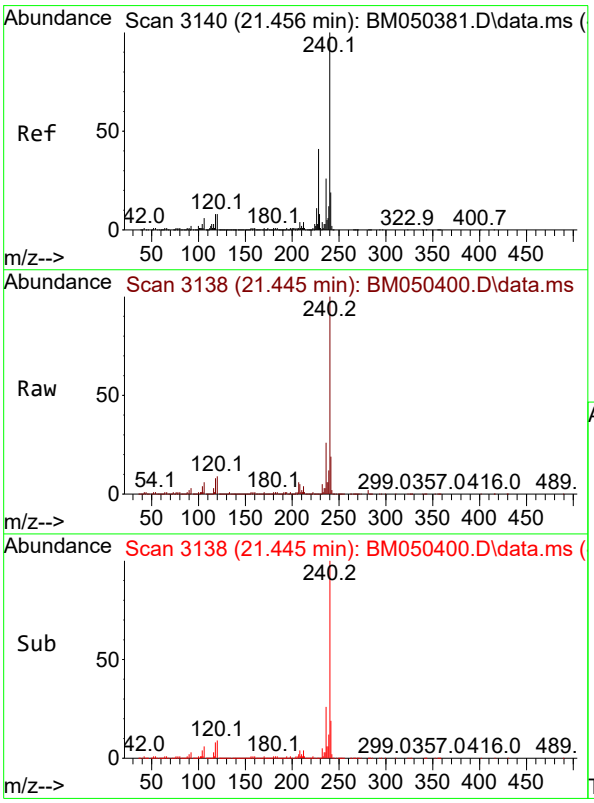
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Instrument :
BNA_M
ClientSampleId :
G4(6-12)

Tgt Ion:188 Resp: 2875413

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.0	9.0
80	8.3	6.5	9.7

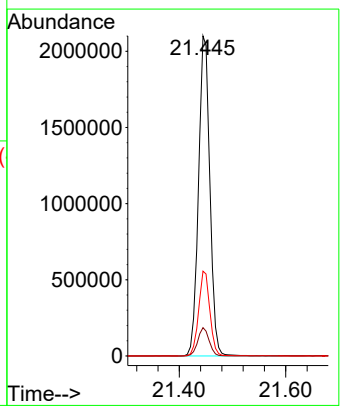


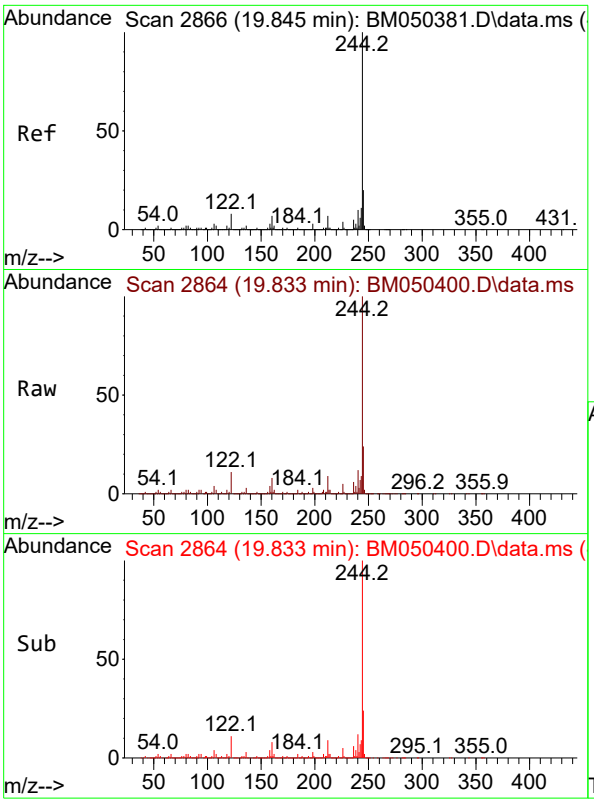


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.012 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Tgt Ion:240 Resp: 3102697

Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.7	10.1
236	26.5	20.7	31.1



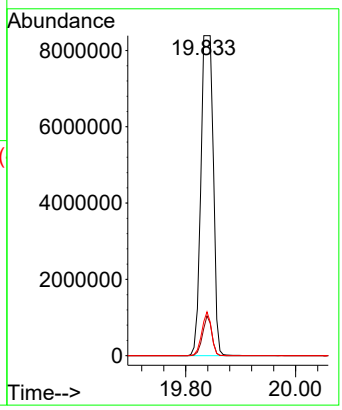


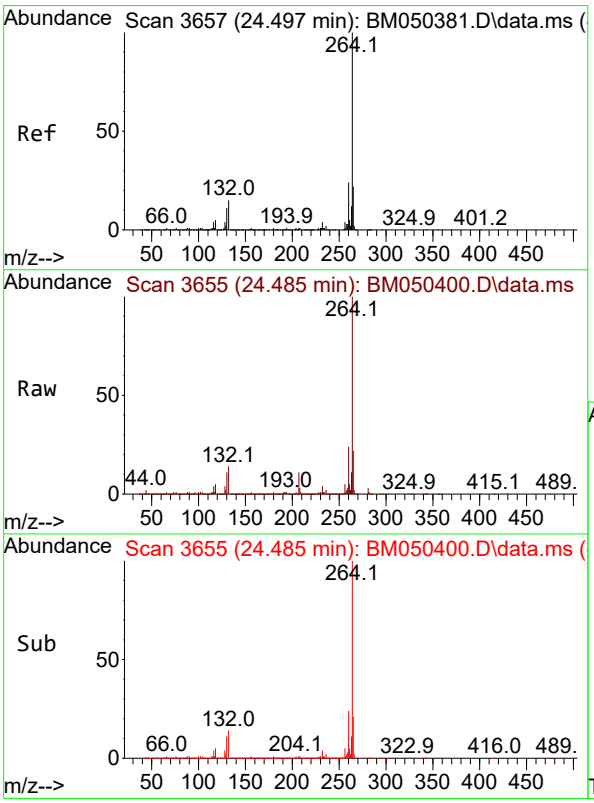
#79
Terphenyl-d14
Concen: 74.235 ng
RT: 19.833 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Instrument :
BNA_M
ClientSampleId :
G4(6-12)

Tgt Ion:244 Resp:13090846

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.7	8.5#
122	10.6	6.2	9.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.485 min Scan# 3655
Delta R.T. -0.012 min
Lab File: BM050400.D
Acq: 10 Jul 2025 21:59

Tgt Ion:264 Resp: 3090701

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.8	26.6