Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049685.D
Acq On : 28 Feb 2025 19:13
Operator : RC/JU
Sample : Q1457-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

Quant Time: Feb 28 22:01:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 04:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	324647	20.000	ng	-0.02
21) Naphthalene-d8	10.598	136	1119705	20.000	ng	-0.03
39) Acenaphthene-d10	14.445	164	727209	20.000	ng	-0.02
64) Phenanthrene-d10	17.186	188	1445730	20.000	ng	#-0.02
76) Chrysene-d12	21.421	240	1467642	20.000	ng	-0.02
86) Perylene-d12	24.438	264	1607451	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	302679	14.993	ng	0.00
7) Phenol-d6	6.981	99	379889	14.363	ng	0.00
23) Nitrobenzene-d5	8.957	82	219772	10.096	ng	-0.02
42) 2,4,6-Tribromophenol	15.927	330	143088	16.606	ng	-0.02
45) 2-Fluorobiphenyl	13.063	172	587687	10.469	ng	-0.03
79) Terphenyl-d14	19.809	244	892780	9.289	ng	-0.02
Target Compounds						Qvalue

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

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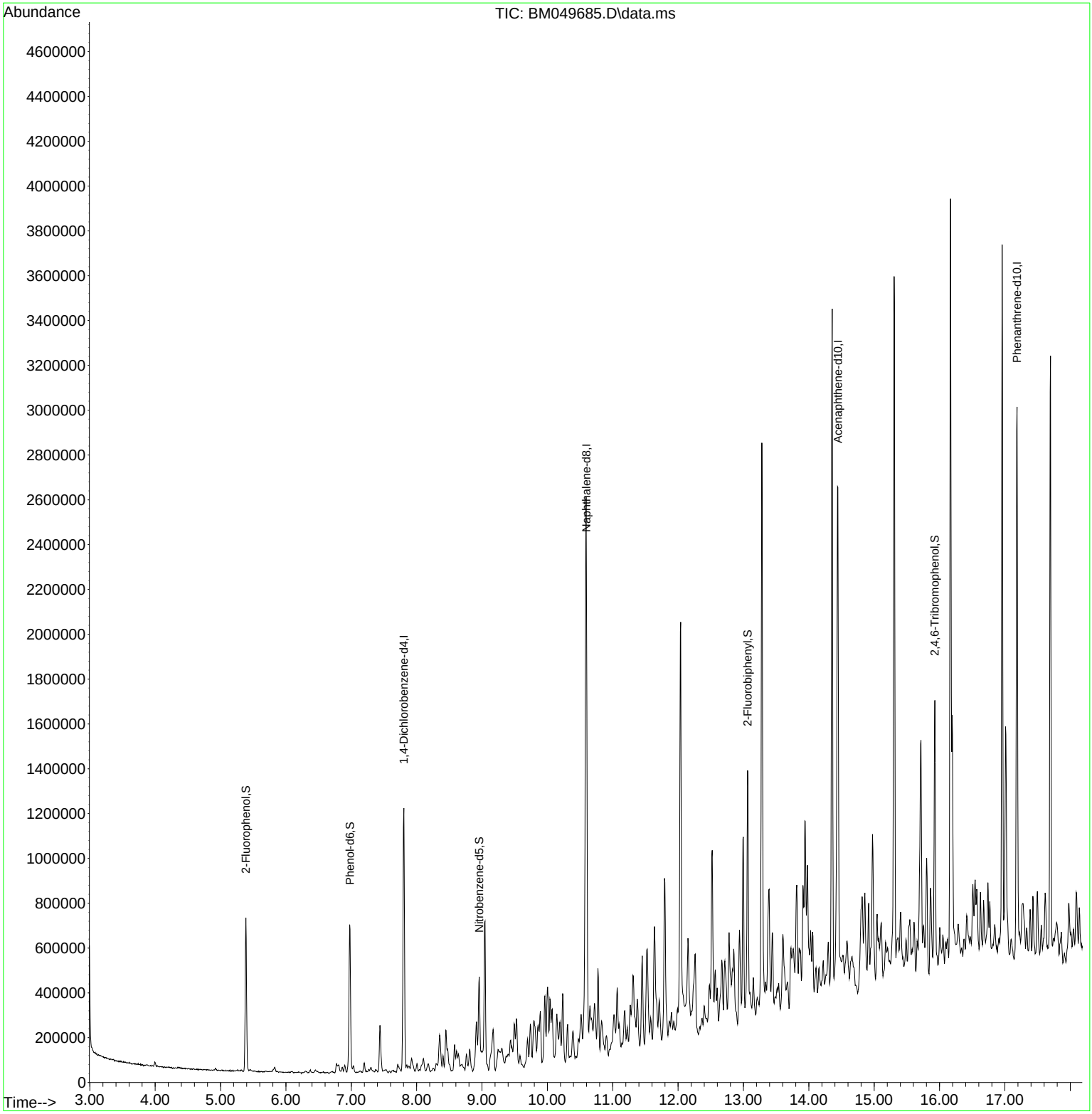

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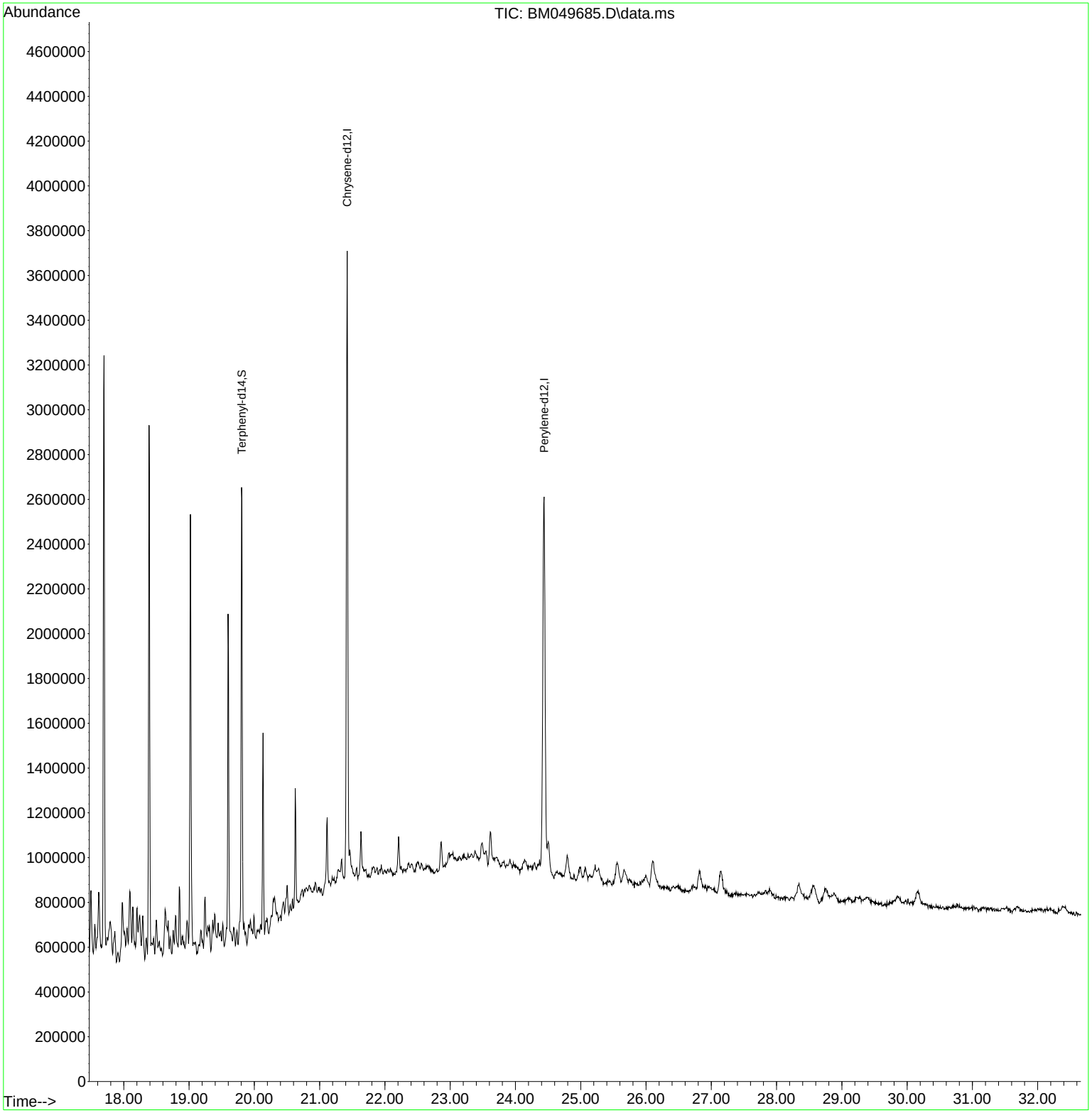
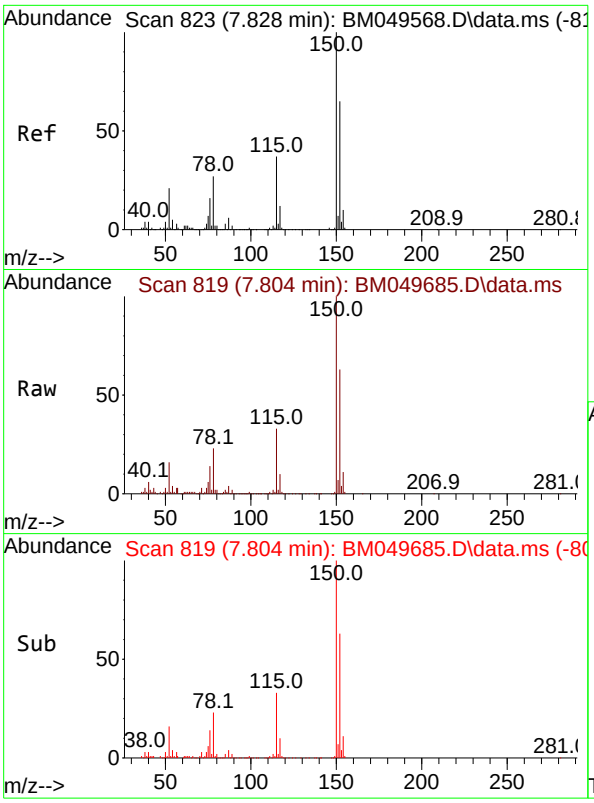


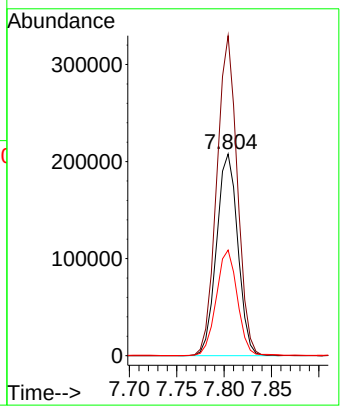


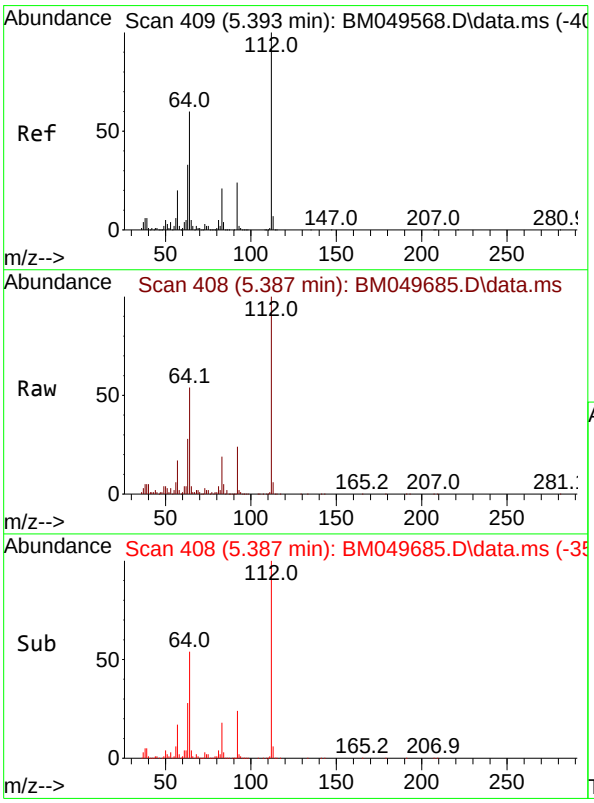
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

Tgt Ion:152 Resp: 324647

Ion	Ratio	Lower	Upper
152	100		
150	158.6	122.6	184.0
115	52.3	45.4	68.0

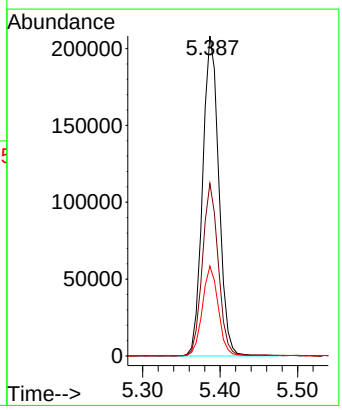


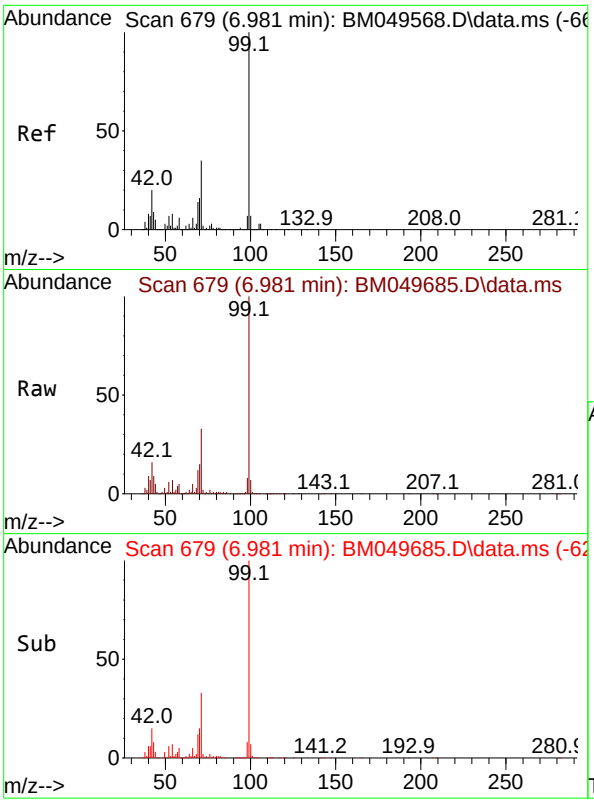


#5
2-Fluorophenol
Concen: 14.993 ng
RT: 5.387 min Scan# 408
Delta R.T. -0.006 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:112 Resp: 302679

Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.8	71.8
63	28.0	26.2	39.4



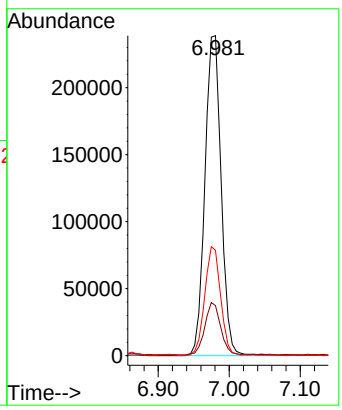


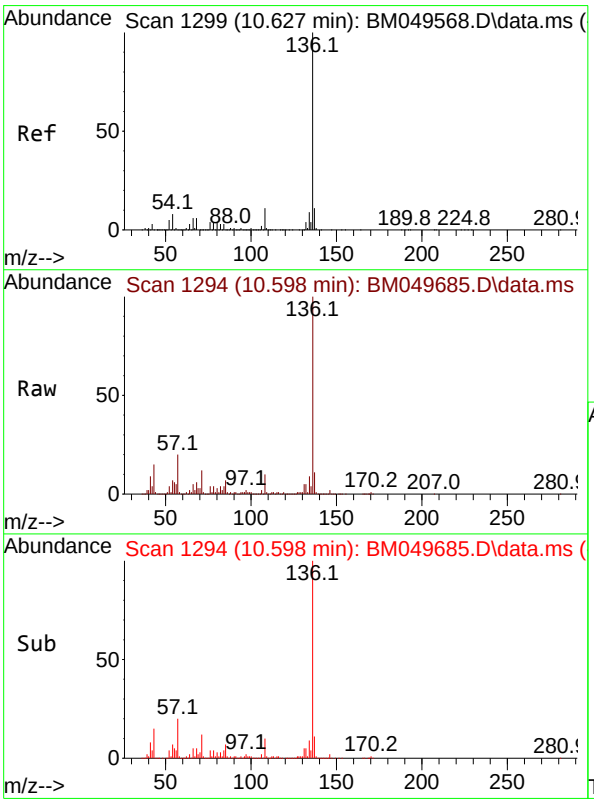
#7
Phenol-d6
Concen: 14.363 ng
RT: 6.981 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

Tgt Ion: 99 Resp: 379889

Ion	Ratio	Lower	Upper
99	100		
42	15.7	16.0	24.0#
71	33.0	27.8	41.6

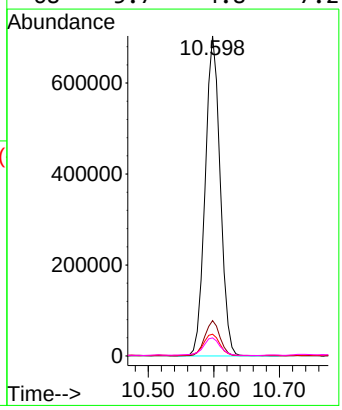


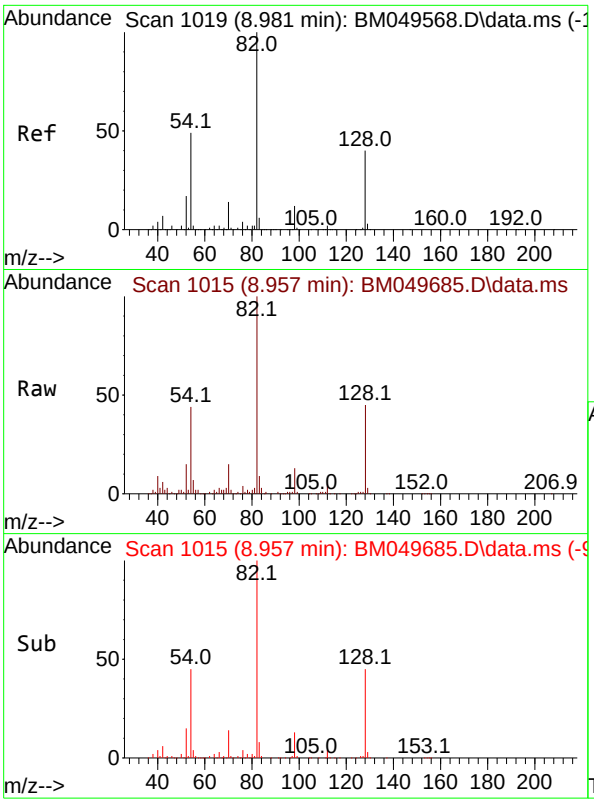


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.029 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:136 Resp: 1119705

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	6.8	6.6	10.0
68	5.7	4.8	7.2



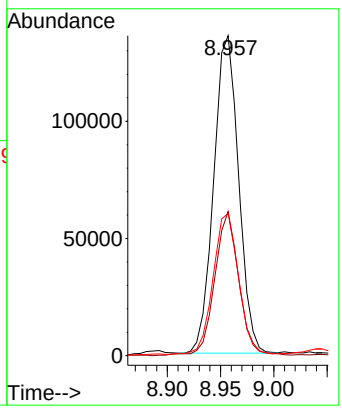


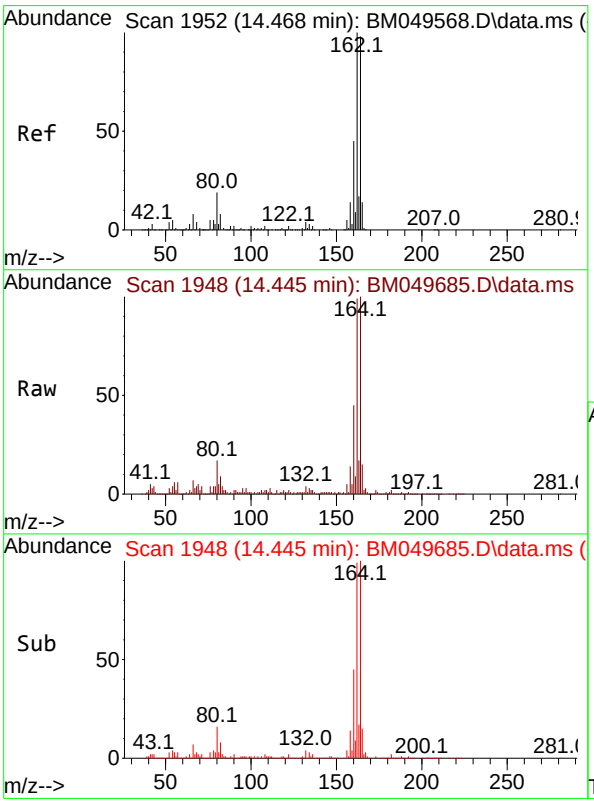
#23
Nitrobenzene-d5
Concen: 10.096 ng
RT: 8.957 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

Tgt Ion: 82 Resp: 219772

Ion	Ratio	Lower	Upper
82	100		
128	45.0	31.6	47.4
54	44.4	39.4	59.0

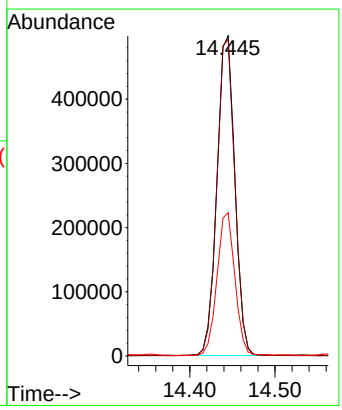


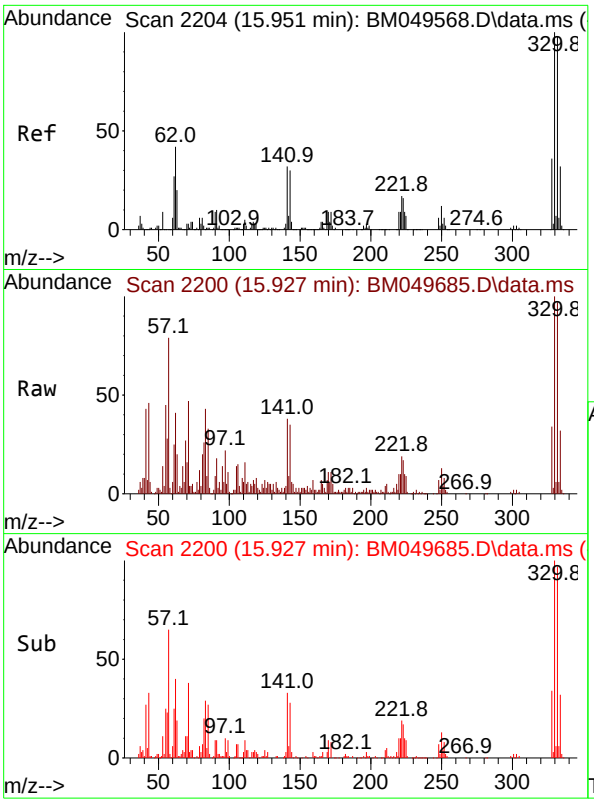


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. -0.024 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:164 Resp: 727209

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.4	122.0
160	44.7	36.2	54.4



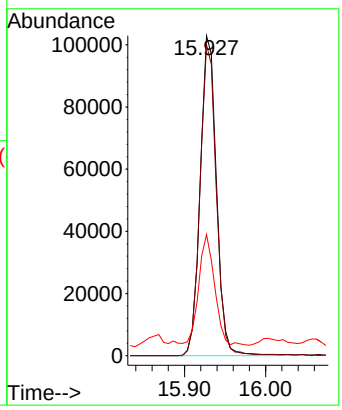


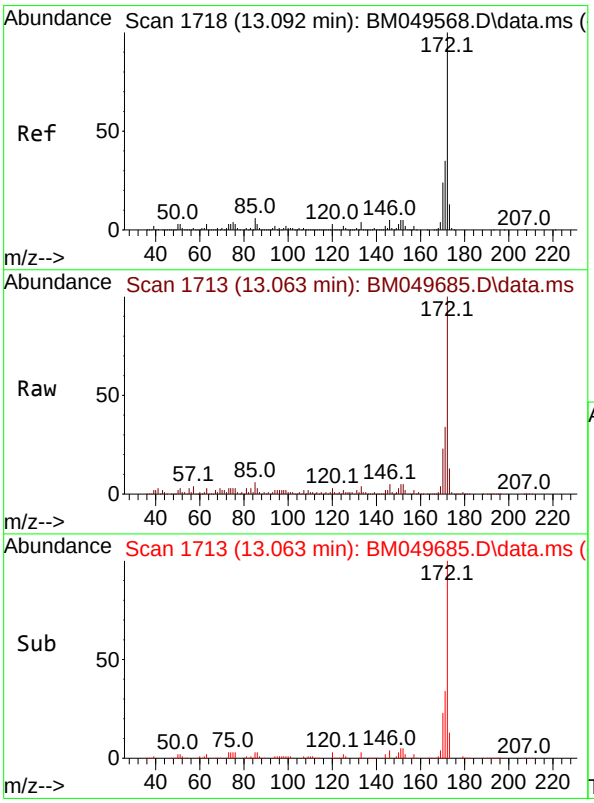
#42
2,4,6-Tribromophenol
Concen: 16.606 ng
RT: 15.927 min Scan# 2
Delta R.T. -0.024 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

Tgt Ion:330 Resp: 143088

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	33.9	28.2	42.2

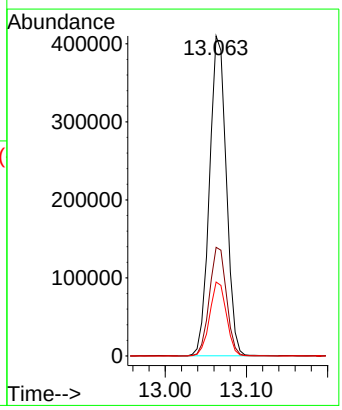


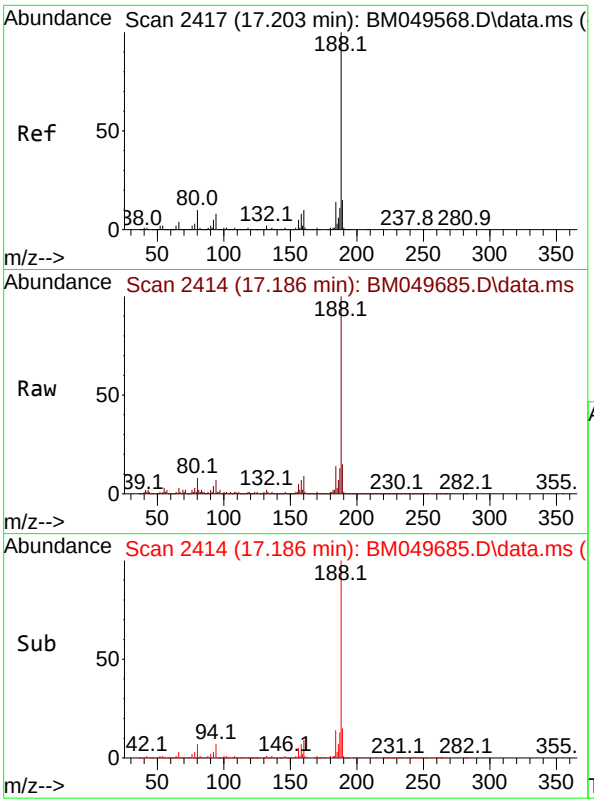


#45
2-Fluorobiphenyl
Concen: 10.469 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.029 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:172 Resp: 587687

Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.0	42.0
170	23.1	19.0	28.4



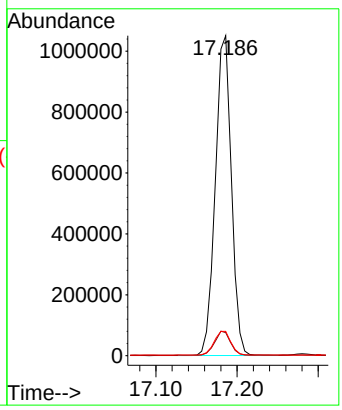


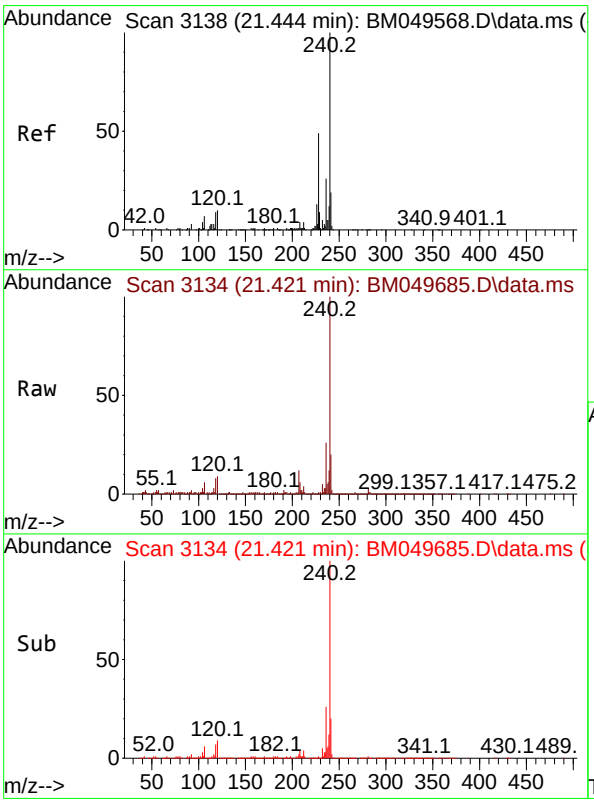
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

Tgt Ion:188 Resp: 1445730

Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.7	10.1
80	7.6	7.7	11.5#

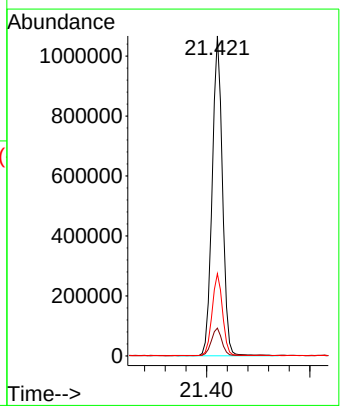


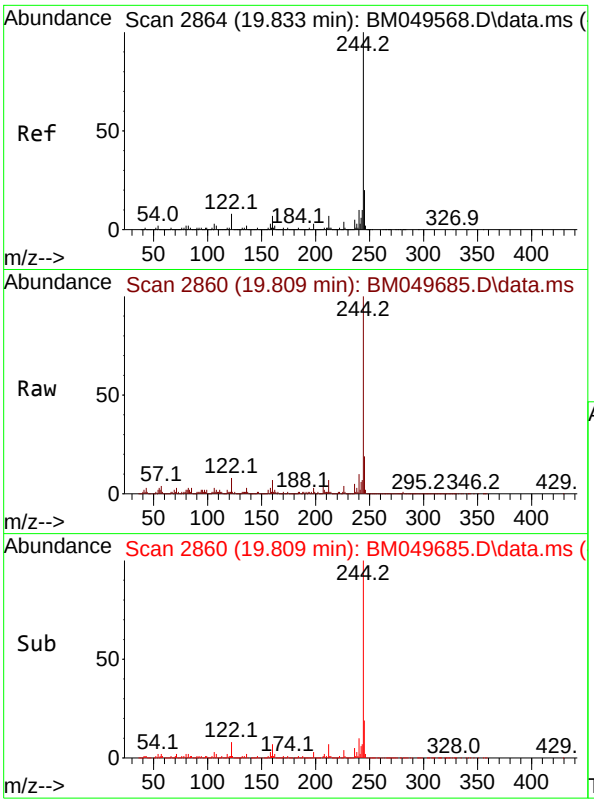


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.024 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:240 Resp: 1467642

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.8	11.8
236	25.7	20.6	31.0



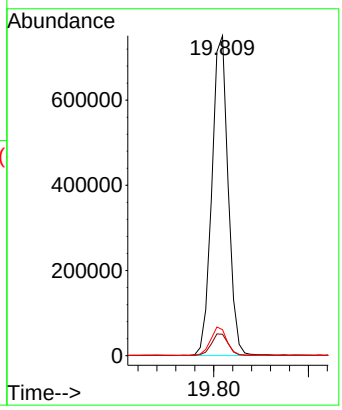


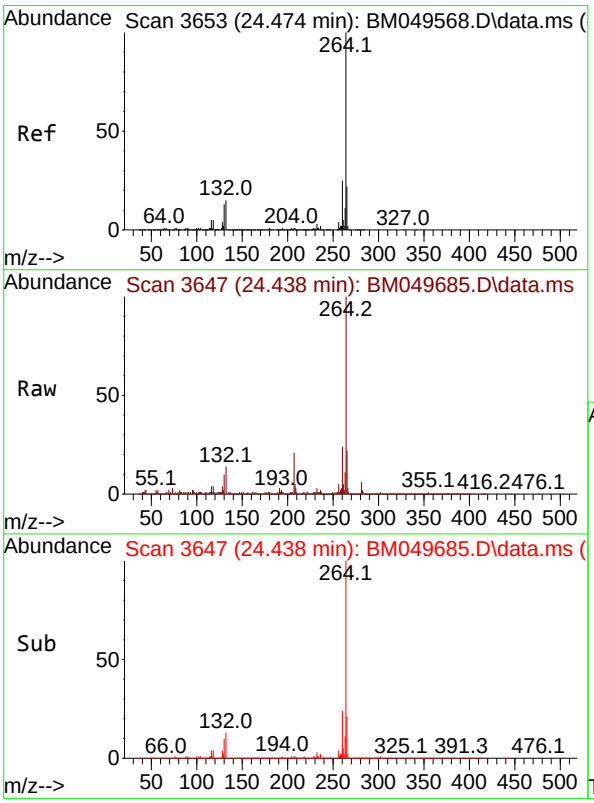
#79
Terphenyl-d14
Concen: 9.289 ng
RT: 19.809 min Scan# 2
Delta R.T. -0.024 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Instrument :
BNA_M
ClientSampleId :
HR-0-02272025

Tgt Ion:244 Resp: 892780

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	8.1	6.2	9.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.438 min Scan# 3647
Delta R.T. -0.035 min
Lab File: BM049685.D
Acq: 28 Feb 2025 19:13

Tgt Ion:264 Resp: 1607451

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.6
265	21.6	17.5	26.3