Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049383.D
Acq On : 22 Jan 2025 14:54
Operator : RC/JU
Sample : Q1139-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH0

Quant Time: Jan 22 22:31:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.522	152	247500	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136	899448	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164	563670	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.910	188	1141001	20.000	ng/ul	0.00
79) Chrysene-d12	21.139	240	1114922	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1088172	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	18029	3.014	ng/uL	0.00
4) Pyridine-d5	3.510	84	272041	14.286	ng/ul	0.00
7) Phenol-d5	6.710	99	298215	14.354	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	224136	16.201	ng/ul	0.00
11) 2-Chlorophenol-d4	7.063	132	239082	15.043	ng/ul	0.00
15) 4-Methylphenol-d8	8.228	113	221042	13.720	ng/ul	-0.01
21) Nitrobenzene-d5	8.663	128	105450	15.374	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	117221	15.288	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	225297	14.399	ng/ul	0.00
31) 4-Chloroaniline-d4	10.428	131	251427	12.212	ng/ul	0.00
46) Dimethylphthalate-d6	13.580	166	697169	16.618	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160	746797	15.593	ng/ul	0.00
54) 4-Nitrophenol-d4	14.386	143	52987	7.627	ng/ul	0.00
60) Fluorene-d10	15.157	176	603319	16.647	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.286	200	60967	8.384	ng/ul	0.00
73) Anthracene-d10	17.010	188	976267	17.308	ng/ul	0.00
81) Pyrene-d10	19.315	212	1131299	16.673	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.727	264	927537	15.878	ng/ul	-0.02
Target Compounds						Qvalue
30) Naphthalene	10.328	128	1548621	32.443	ng/ul	99
36) 2-Methylnaphthalene	11.951	142	135061	3.954	ng/ul	100
37) 1-Methylnaphthalene	12.175	142	277939	8.178	ng/ul	97
52) Acenaphthene	14.221	153	1417906	40.418	ng/ul	100
61) Fluorene	15.216	166	1722810	42.327	ng/ul	100
72) Phenanthrene	16.957	178	7093583	111.828	ng/ul	100
74) Anthracene	17.045	178	1562822	24.546	ng/ul	100
80) Fluoranthene	18.980	202	3735305	47.908	ng/ul	98
82) Pyrene	19.345	202	2344062	28.243	ng/ul	98
85) Benzo(a)anthracene	21.121	228	425141	5.472	ng/ul	99
87) Chrysene	21.180	228	378758	5.340	ng/ul	99
90) Benzo(b)fluoranthene	23.044	252	157285	2.159	ng/ul	97
93) Benzo(a)pyrene	23.780	252	90498	1.376	ng/ul	97

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

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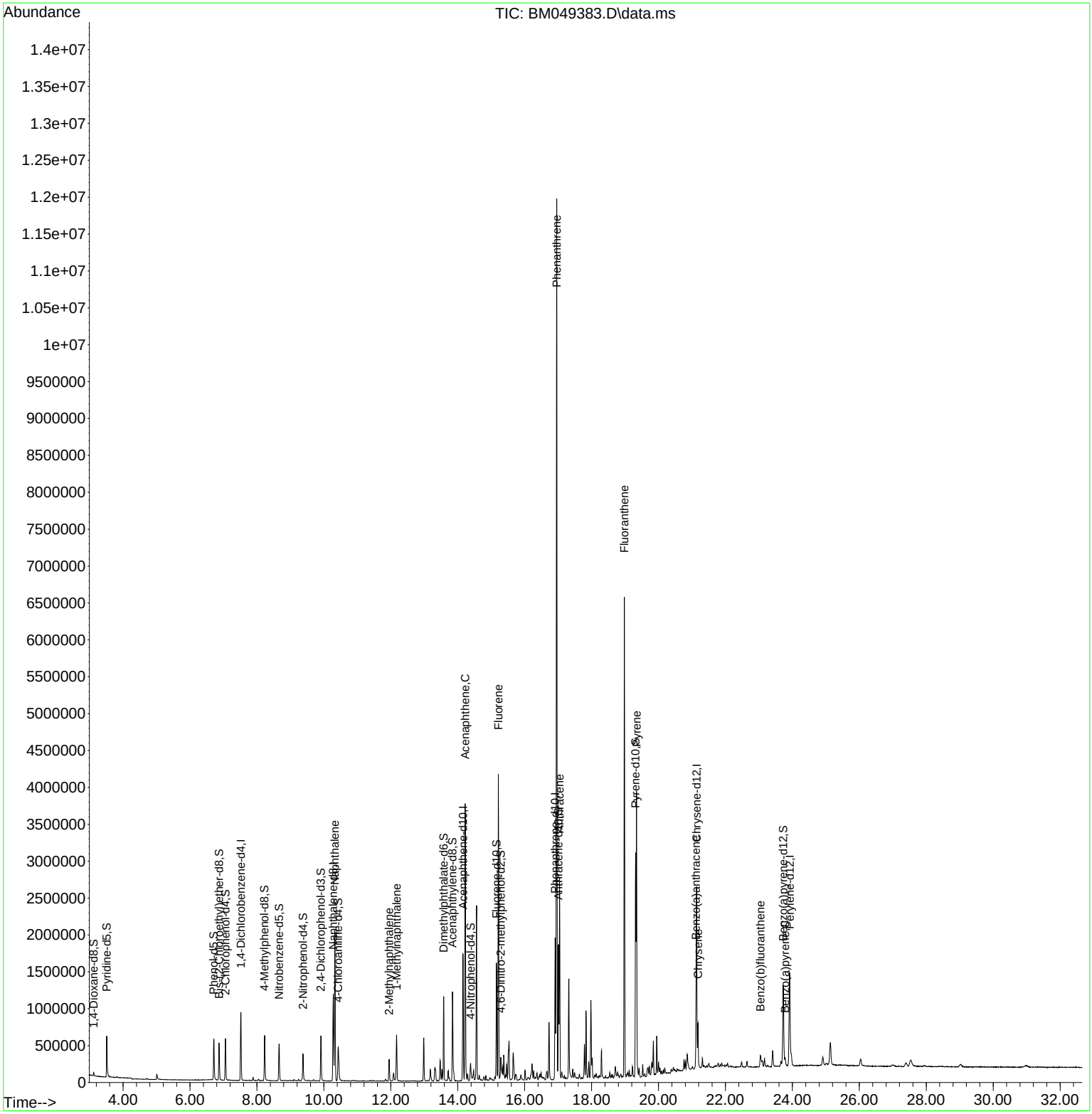
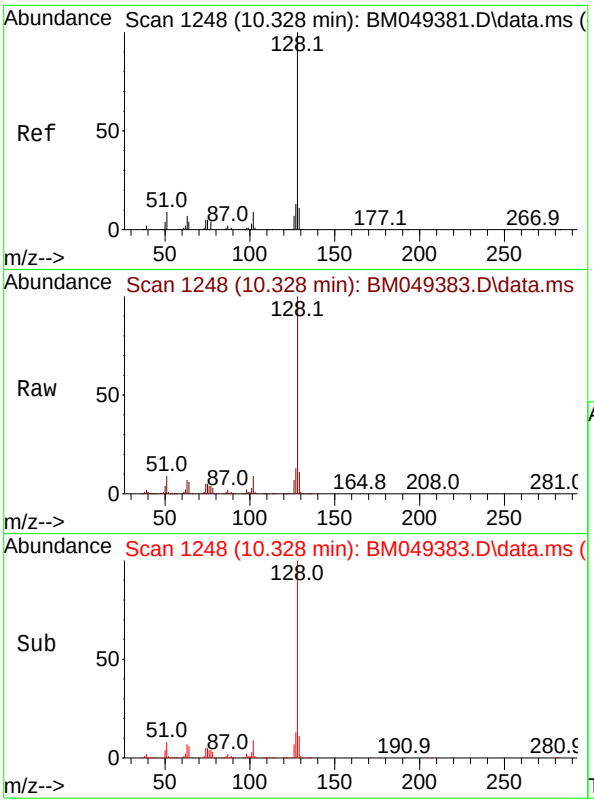


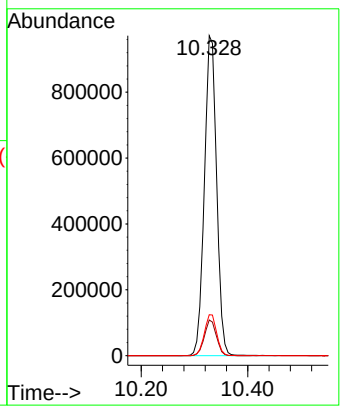


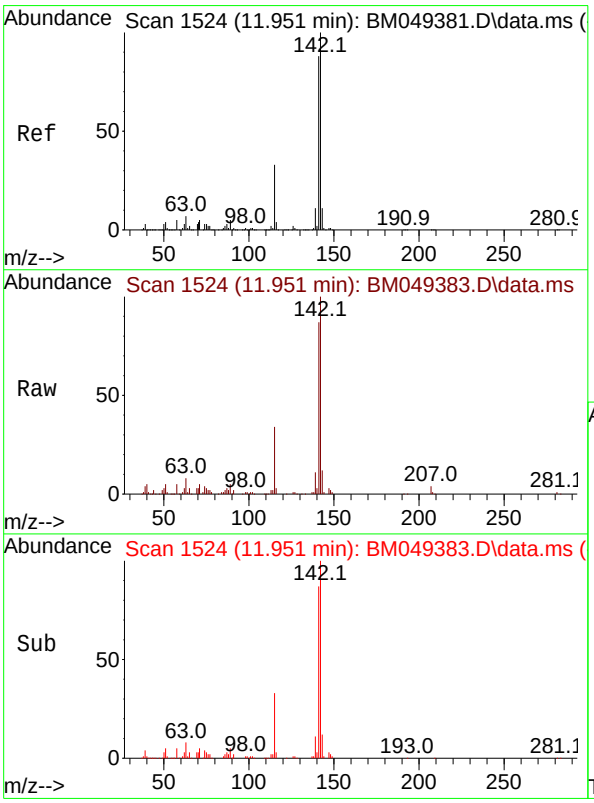
#30
Naphthalene
Concen: 32.443 ng/ul
RT: 10.328 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Instrument :
BNA_M
ClientSampleId :
DCZH0

Tgt Ion:128 Resp: 1548621

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.5	12.7
127	12.8	10.2	15.2

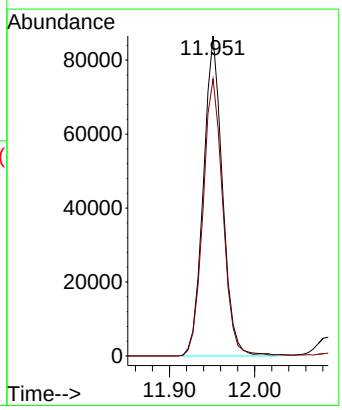


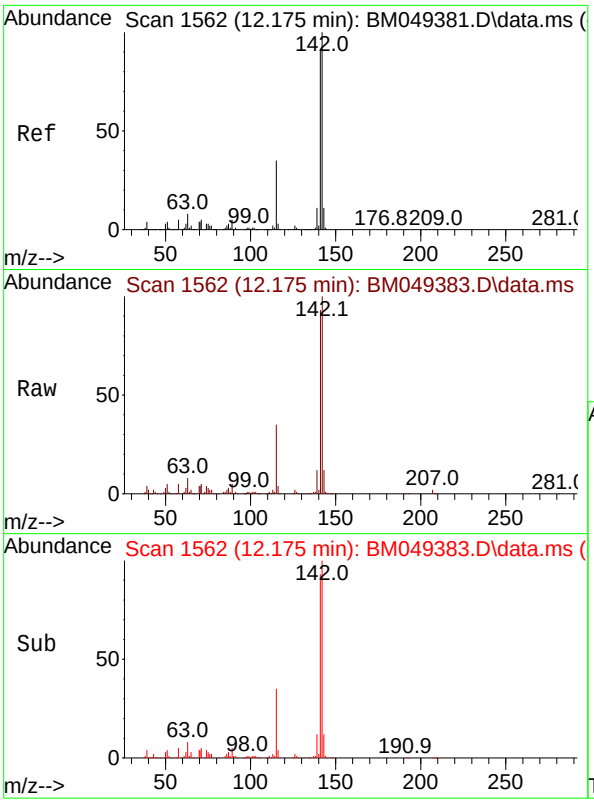


#36
2-Methylnaphthalene
Concen: 3.954 ng/ul
RT: 11.951 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:142 Resp: 135061

Ion	Ratio	Lower	Upper
142	100		
141	86.6	69.6	104.4



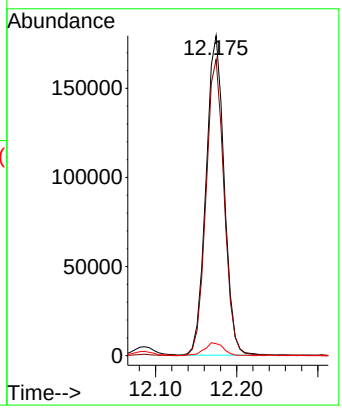


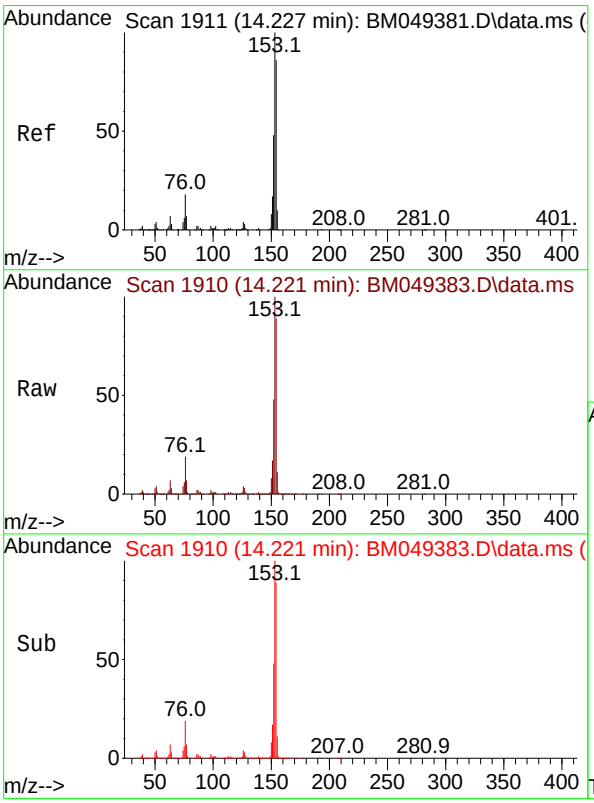
#37
1-Methylnaphthalene
Concen: 8.178 ng/ul
RT: 12.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Instrument :
BNA_M
ClientSampleId :
DCZH0

Tgt Ion:142 Resp: 277939

Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.9	107.9
116	3.8	2.8	4.2

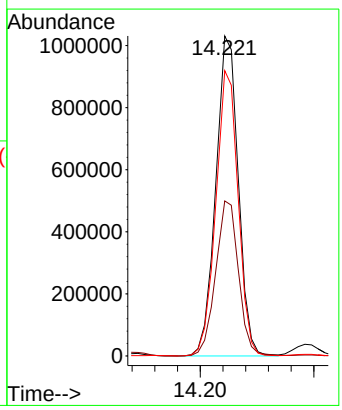


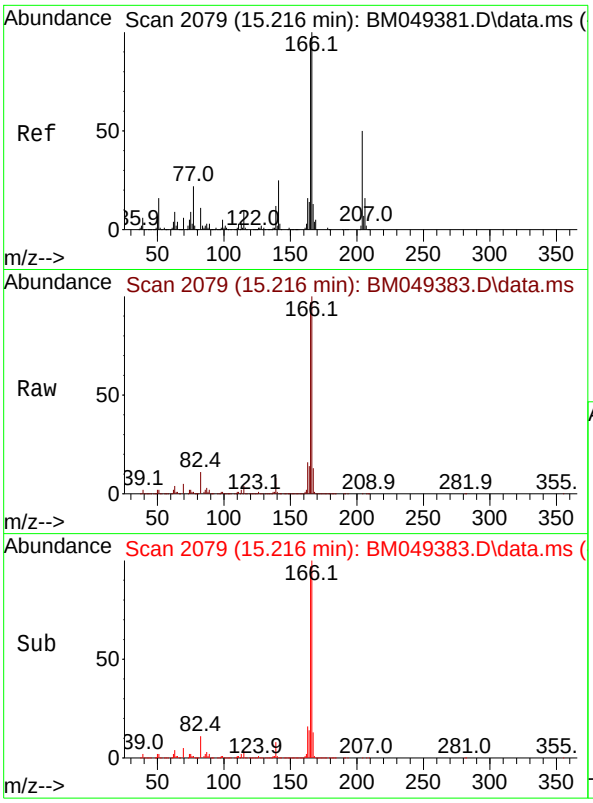


#52
Acenaphthene
Concen: 40.418 ng/ul
RT: 14.221 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:153 Resp: 1417906

Ion	Ratio	Lower	Upper
153	100		
152	48.4	39.0	58.6
154	89.2	71.6	107.4



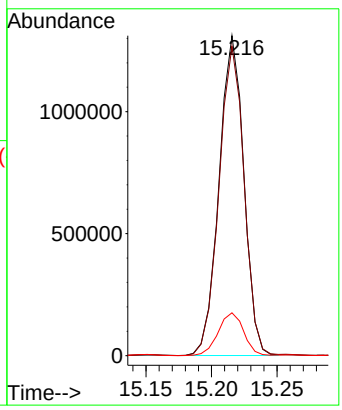


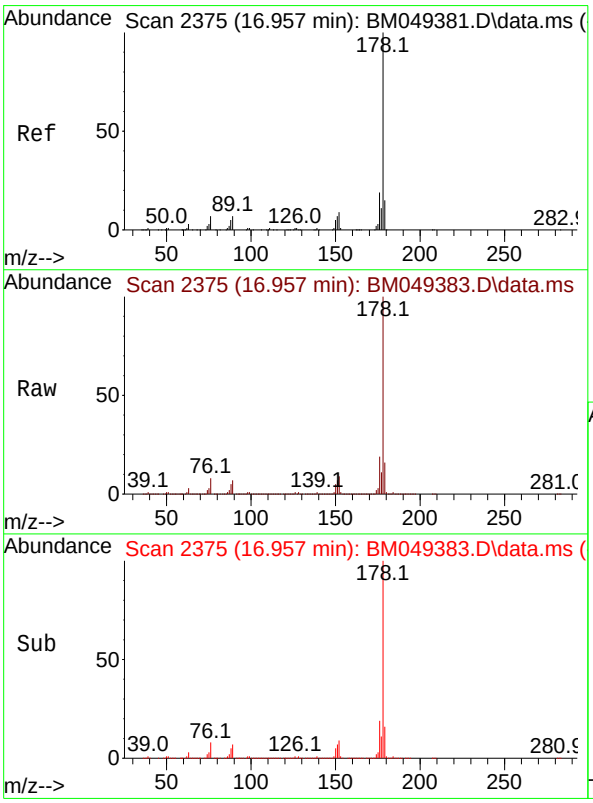
#61
Fluorene
Concen: 42.327 ng/ul
RT: 15.216 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Instrument :
BNA_M
ClientSampleId :
DCZH0

Tgt Ion:166 Resp: 1722810

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.7	116.5
167	13.4	10.7	16.1

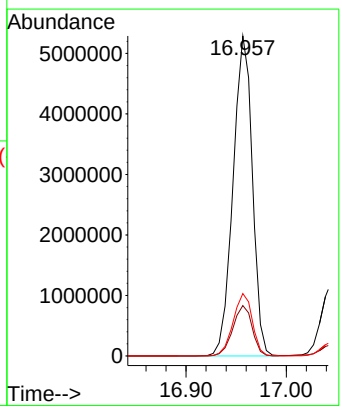


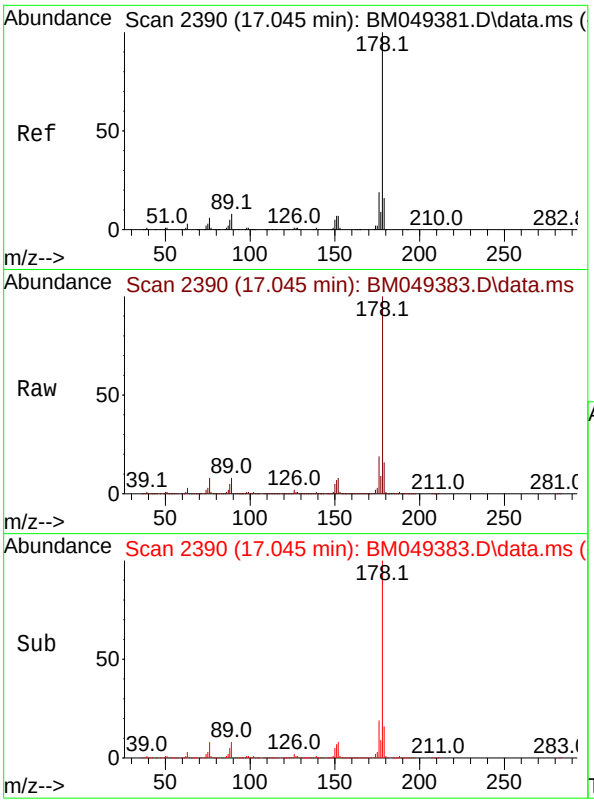


#72
Phenanthrene
Concen: 111.828 ng/ul
RT: 16.957 min Scan# 2375
Delta R.T. 0.000 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:178 Resp: 7093583

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	19.5	15.4	23.2



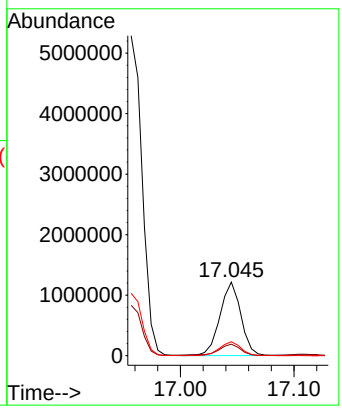


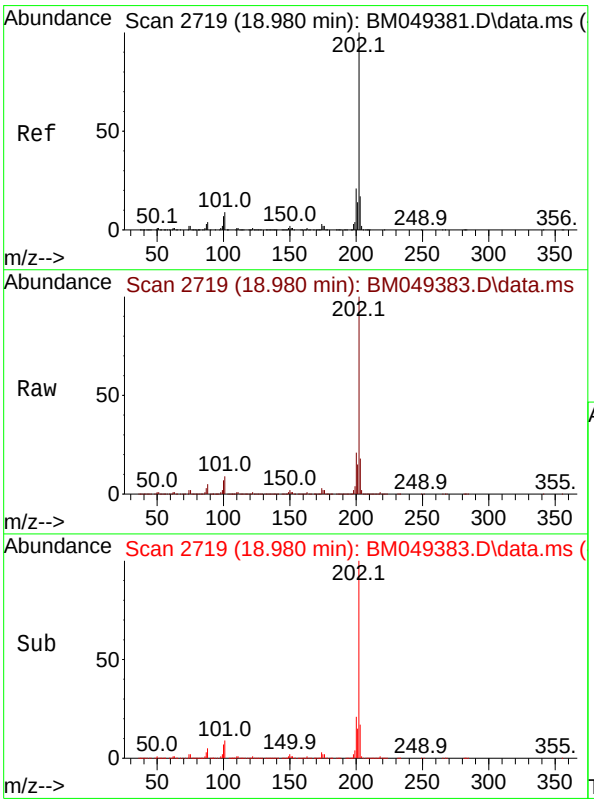
#74
Anthracene
Concen: 24.546 ng/ul
RT: 17.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Instrument :
BNA_M
ClientSampleId :
DCZH0

Tgt Ion:178 Resp: 1562822

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	18.9	15.1	22.7

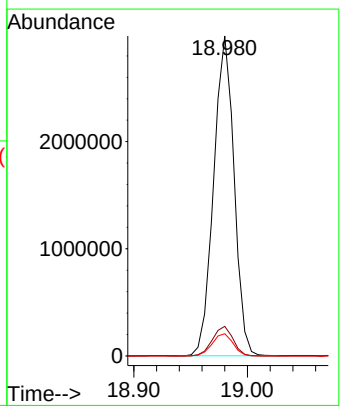


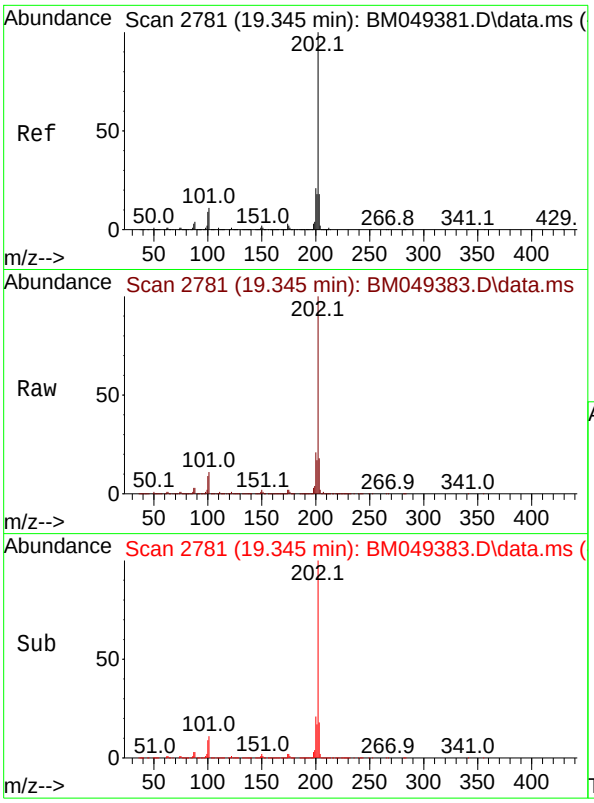


#80
Fluoranthene
Concen: 47.908 ng/ul
RT: 18.980 min Scan# 2719
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:202 Resp: 3735305

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.4
100	7.0	5.0	7.6



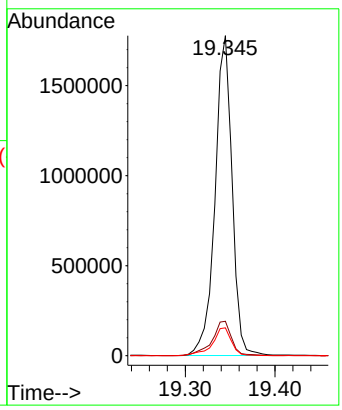


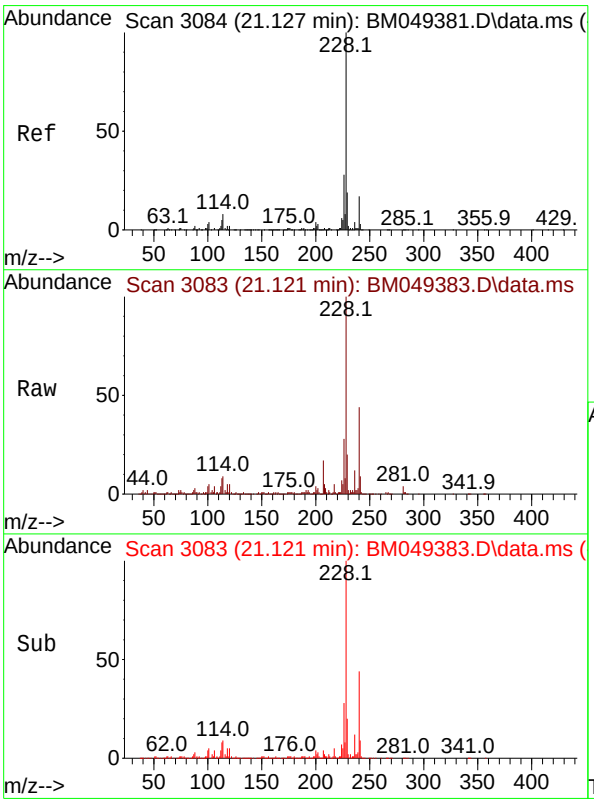
#82
Pyrene
Concen: 28.243 ng/ul
RT: 19.345 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Instrument :
BNA_M
ClientSampleId :
DCZH0

Tgt Ion:202 Resp: 2344062

Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.8	11.8
100	8.7	6.6	10.0

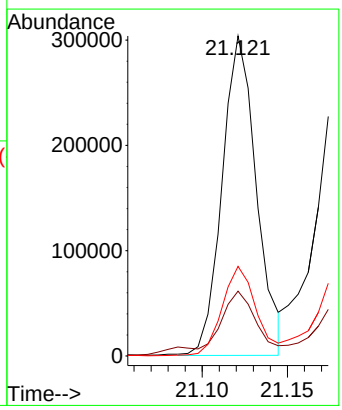


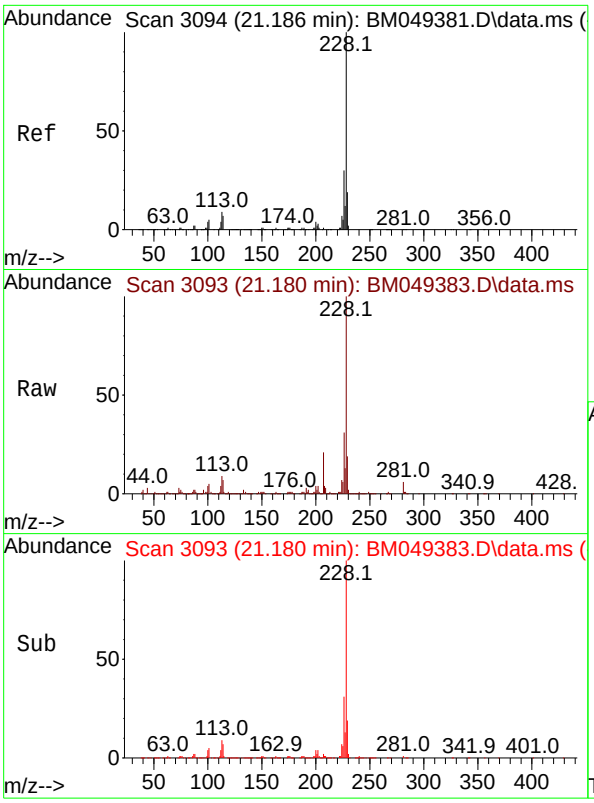


#85
Benzo(a)anthracene
Concen: 5.472 ng/ul
RT: 21.121 min Scan# 3083
Delta R.T. -0.012 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:228 Resp: 425141

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.6
226	28.0	22.1	33.1



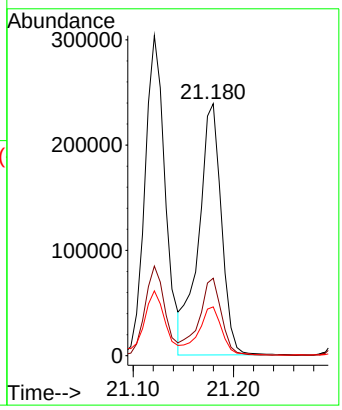


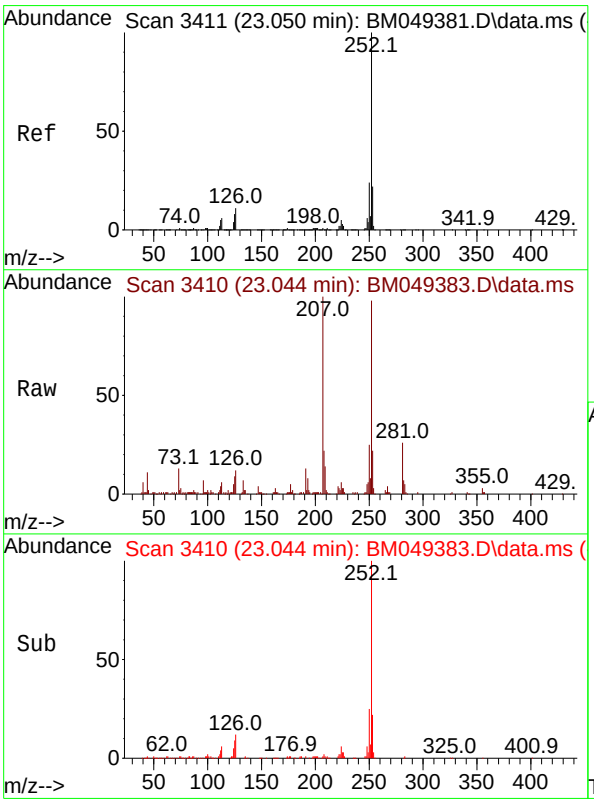
#87
Chrysene
Concen: 5.340 ng/ul
RT: 21.180 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Instrument :
BNA_M
ClientSampleId :
DCZH0

Tgt Ion:228 Resp: 378758

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.3	36.5
229	19.4	16.0	24.0

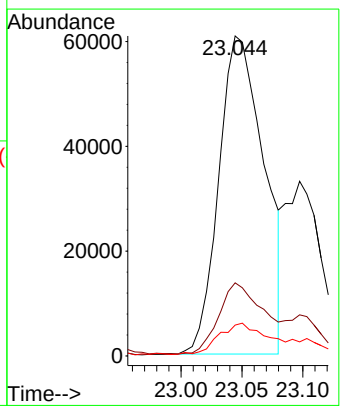


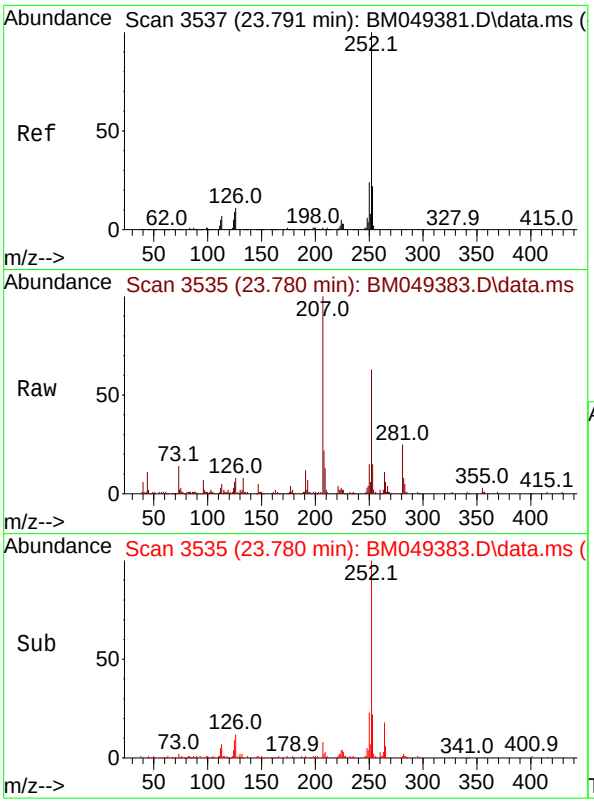


#90
Benzo(b)fluoranthene
Concen: 2.159 ng/ul
RT: 23.044 min Scan# 3410
Delta R.T. -0.012 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Tgt Ion:252 Resp: 157285

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	9.7	6.6	9.8





#93
Benzo(a)pyrene
Concen: 1.376 ng/ul
RT: 23.780 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049383.D
Acq: 22 Jan 2025 14:54

Instrument :
BNA_M
ClientSampleId :
DCZH0

Tgt Ion:252 Resp: 90498

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	10.2	6.9	10.3