

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041425\
 Data File : BM049924.D
 Acq On : 14 Apr 2025 21:43
 Operator : RC/JU
 Sample : Q1783-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125

Quant Time: Apr 15 01:05:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

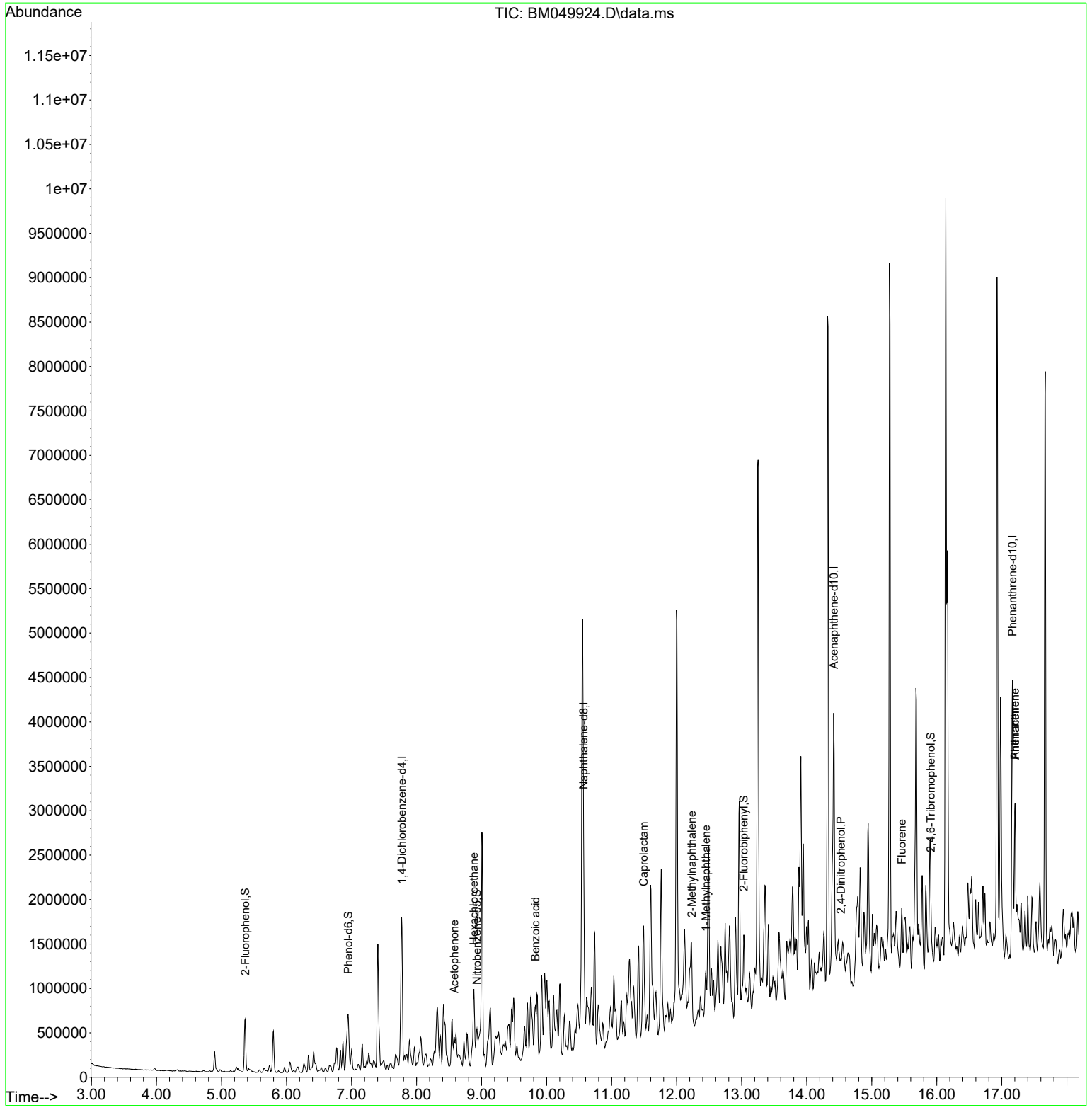
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	442191	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1451474	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	900804	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1746418	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1785382	20.000	ng	0.00
86) Perylene-d12	24.397	264	2013028	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	263098	10.103	ng	0.00
7) Phenol-d6	6.951	99	305363	9.425	ng	0.00
23) Nitrobenzene-d5	8.928	82	202038	7.751	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	124830	9.527	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	470266	7.079	ng	-0.01
79) Terphenyl-d14	19.786	244	658469	6.912	ng	0.00
Target Compounds						
18) Hexachloroethane	8.881	117	65586	5.938	ng	# 1
22) Acetophenone	8.581	105	183327	5.197	ng	# 60
32) Benzoic acid	9.828	122	190	8.547	ng	# 1
35) Caprolactam	11.492	113	14401	2.004	ng	# 1
37) 2-Methylnaphthalene	12.233	142	209234	3.982	ng	98
38) 1-Methylnaphthalene	12.451	142	150189	2.934	ng	# 99
54) 2,4-Dinitrophenol	14.527	184	672	7.288	ng	# 1
58) Fluorene	15.463	166	160641	2.479	ng	# 88
71) Phenanthrene	17.204	178	1051033	10.977	ng	99
72) Anthracene	17.204	178	1051033	11.139	ng	99
75) Fluoranthene	19.221	202	1274507	10.826	ng	100
78) Pyrene	19.580	202	1183557	9.619	ng	99
81) Benzo(a)anthracene	21.380	228	556101	4.687	ng	95
83) Chrysene	21.380	228	556101	4.930	ng	96
87) Indeno(1,2,3-cd)pyrene	27.779	276	315471	2.102	ng	98
88) Benzo(b)fluoranthene	23.450	252	642457	4.997	ng	# 92
89) Benzo(k)fluoranthene	23.450	252	642704	5.159	ng	# 92
90) Benzo(a)pyrene	24.256	252	495593	4.387	ng	# 93
92) Benzo(g,h,i)perylene	28.838	276	297684	2.357	ng	95

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

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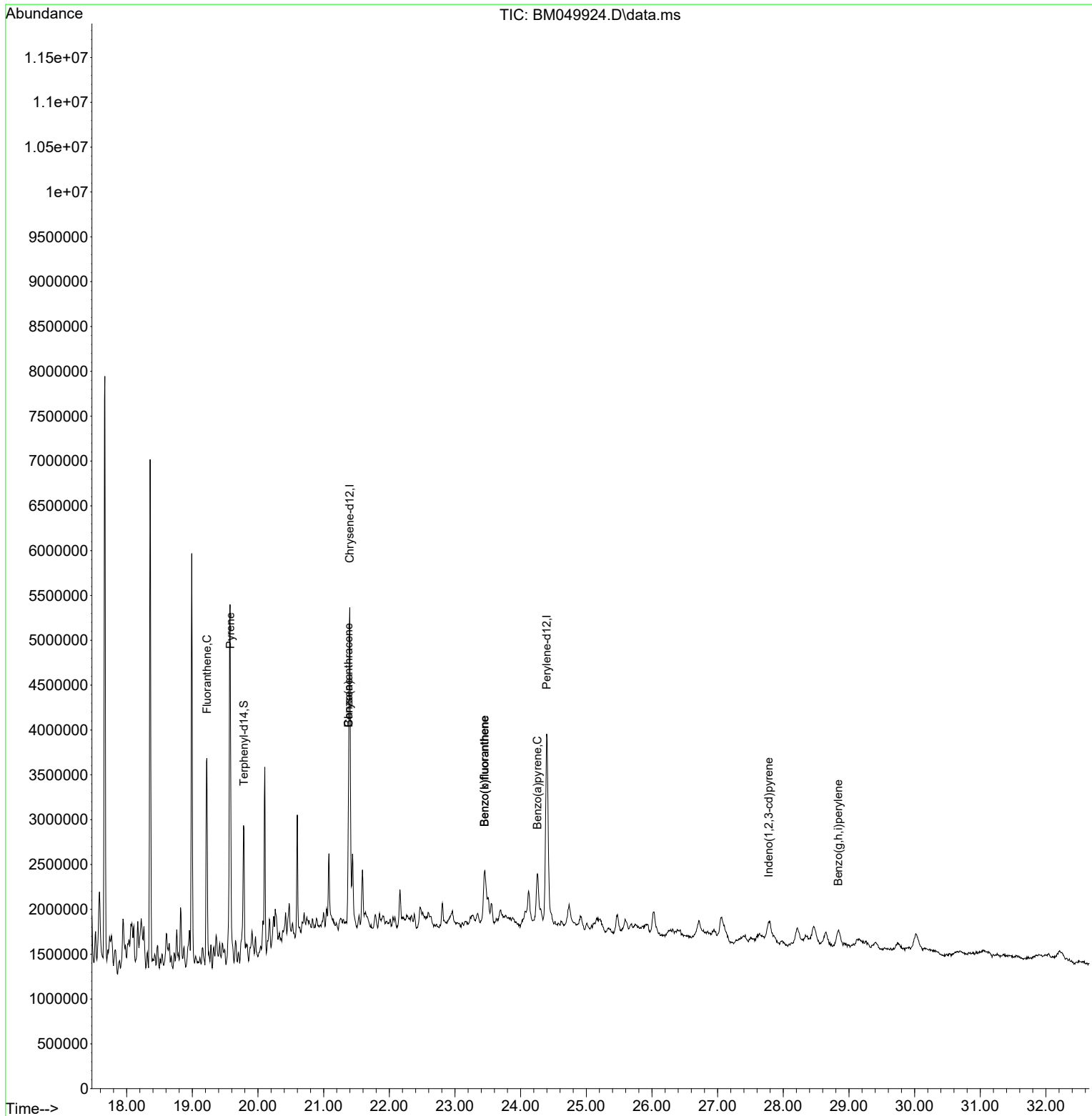
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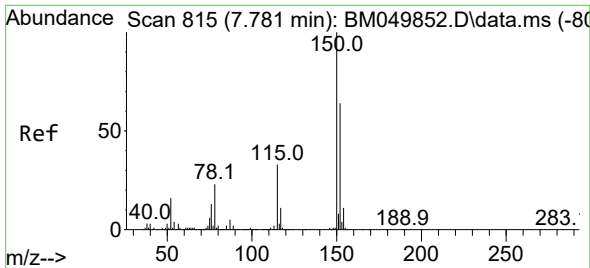


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041425\
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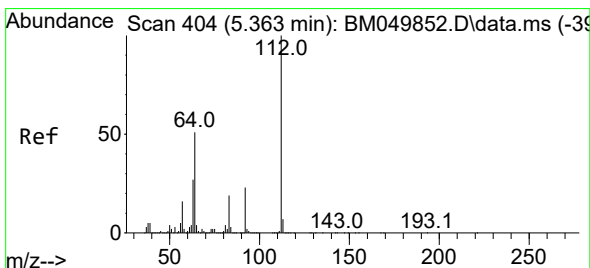
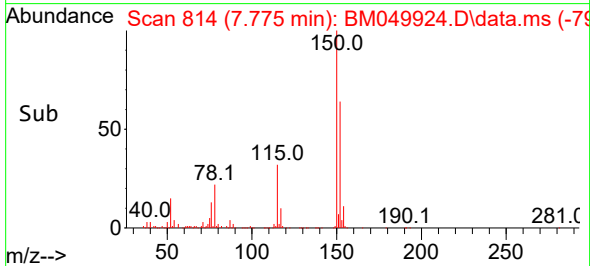
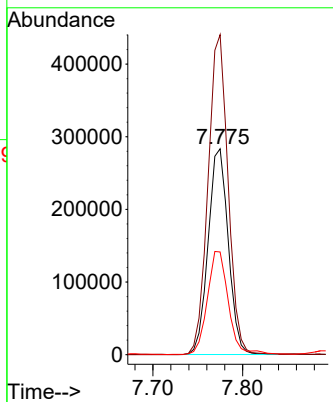
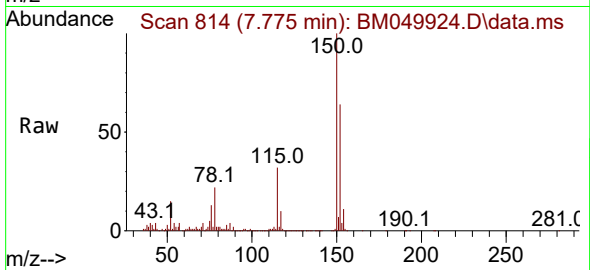


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.775 min Scan# 815
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125

Tgt Ion:152 Resp: 442191

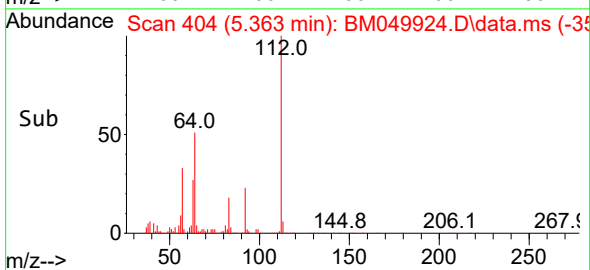
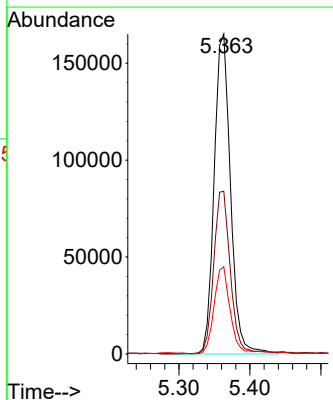
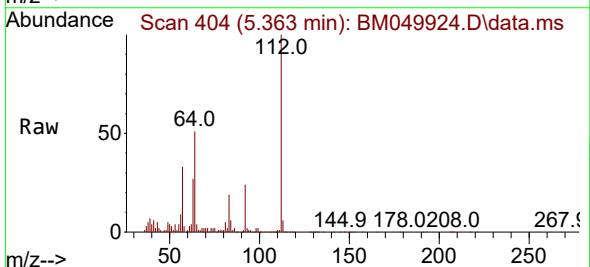
Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.3	186.5
115	49.9	41.1	61.7

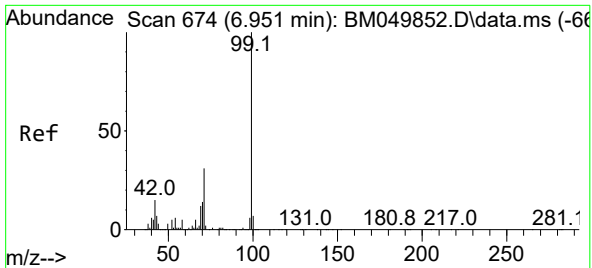


#5
 2-Fluorophenol
 Concen: 10.103 ng
 RT: 5.363 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:112 Resp: 263098

Ion	Ratio	Lower	Upper
112	100		
64	50.9	41.0	61.6
63	27.2	21.5	32.3



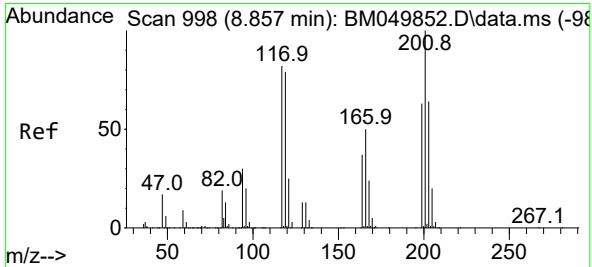
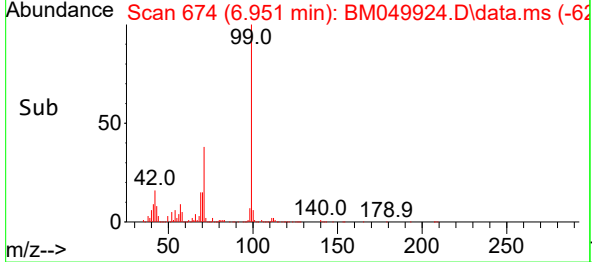
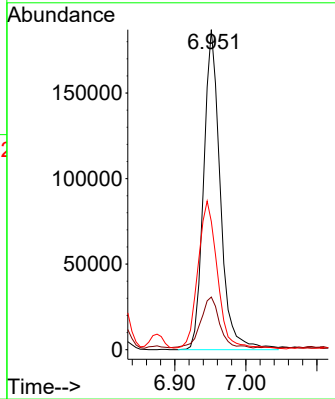
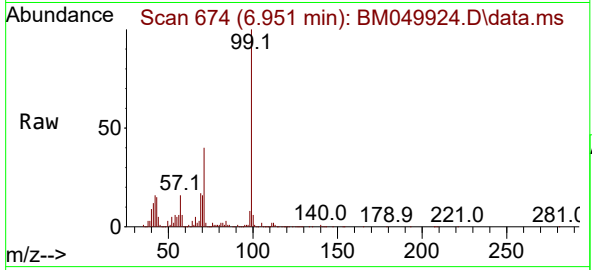


#7
 Phenol-d6
 Concen: 9.425 ng
 RT: 6.951 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument : BNA_M
 ClientSampleId : SU-03-41125

Tgt Ion: 99 Resp: 305363

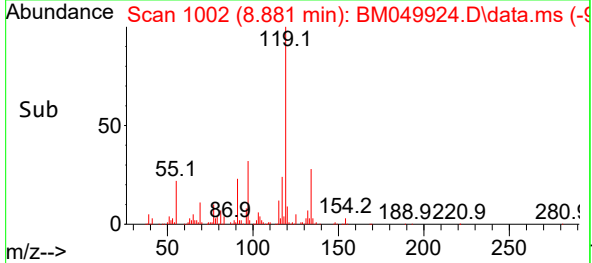
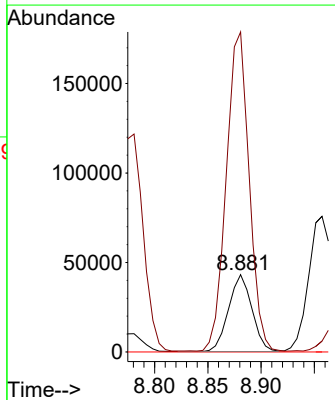
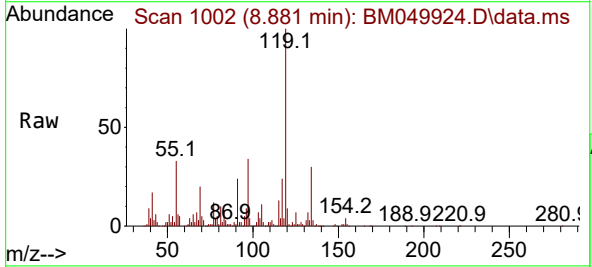
Ion	Ratio	Lower	Upper
99	100		
42	16.4	12.1	18.1
71	40.0	24.9	37.3

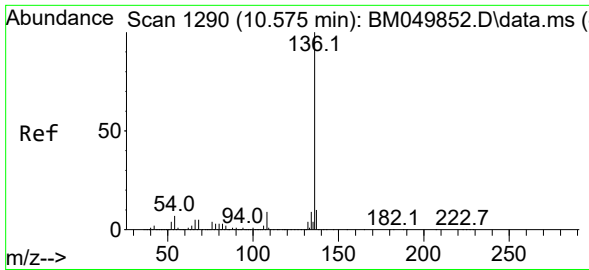


#18
 Hexachloroethane
 Concen: 5.938 ng
 RT: 8.881 min Scan# 1002
 Delta R.T. 0.024 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion: 117 Resp: 65586

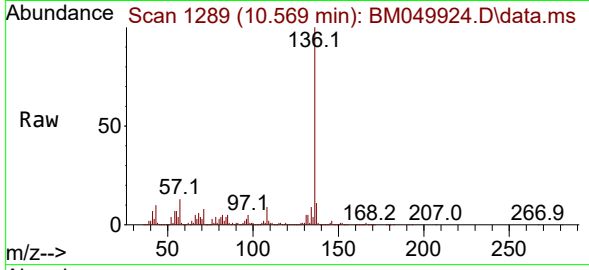
Ion	Ratio	Lower	Upper
117	100		
119	414.3	77.5	116.3
201	0.0	97.7	146.5





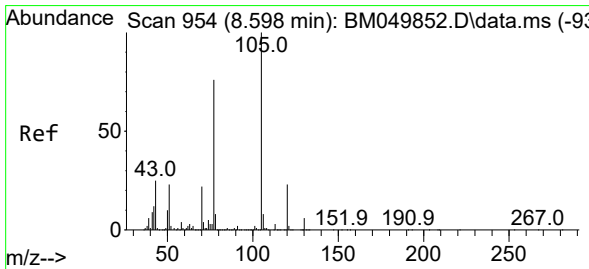
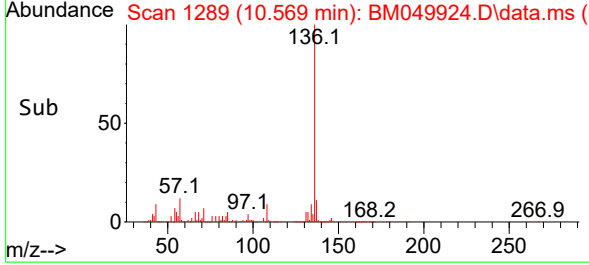
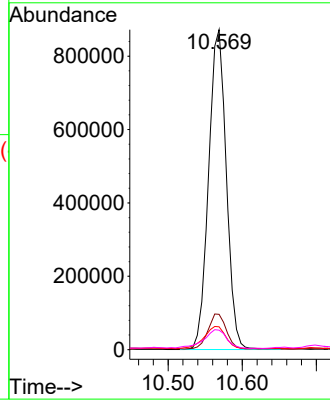
#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.569 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125



Tgt Ion:136 Resp: 1451474

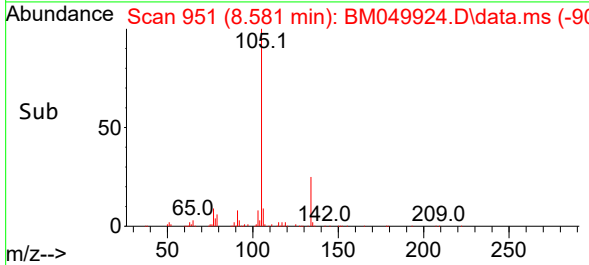
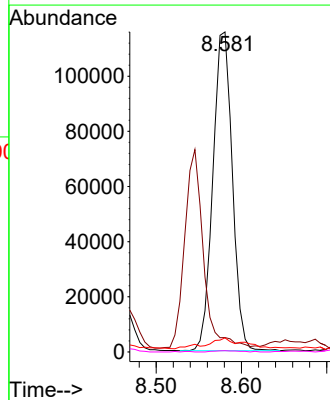
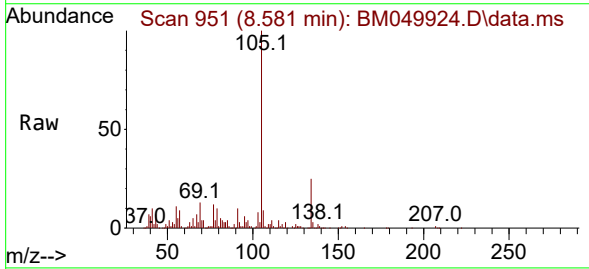
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	7.2	5.3	7.9
68	6.1	4.3	6.5

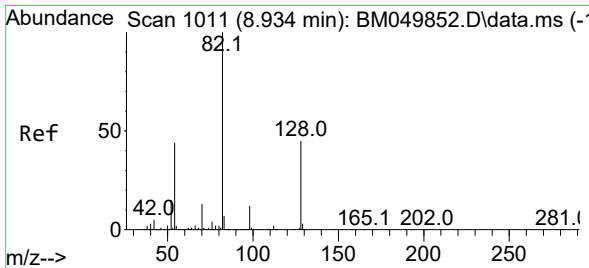


#22
 Acetophenone
 Concen: 5.197 ng
 RT: 8.581 min Scan# 951
 Delta R.T. -0.018 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:105 Resp: 183327

Ion	Ratio	Lower	Upper
105	100		
71	4.5	3.0	4.4#
51	4.4	18.6	27.8#
120	0.4	18.5	27.7#



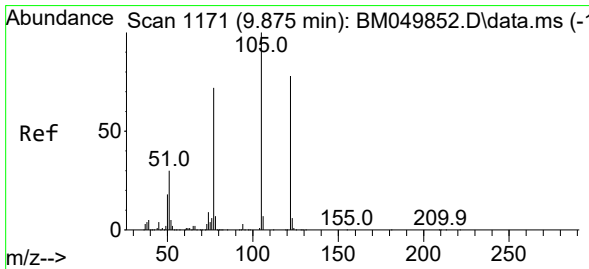
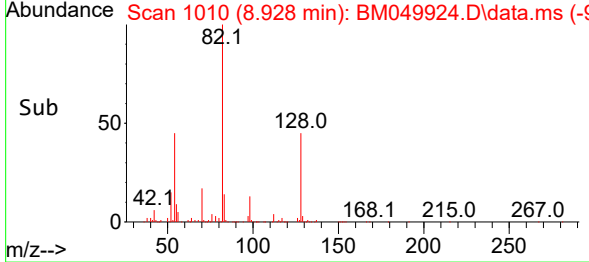
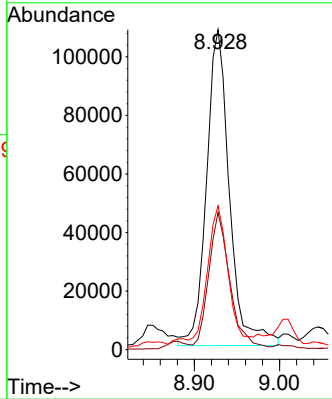
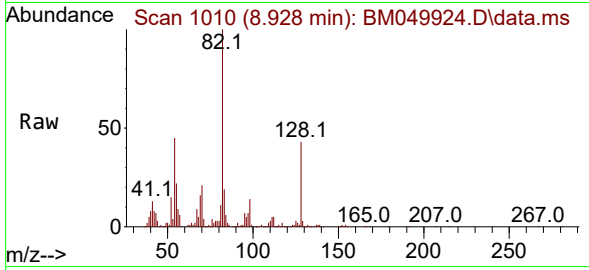


#23
 Nitrobenzene-d5
 Concen: 7.751 ng
 RT: 8.928 min Scan# 1163
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument : BNA_M
 ClientSampleId : SU-03-41125

Tgt Ion: 82 Resp: 202038

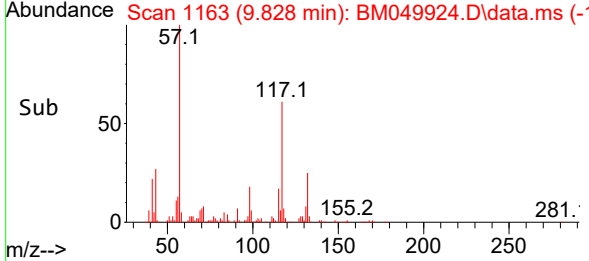
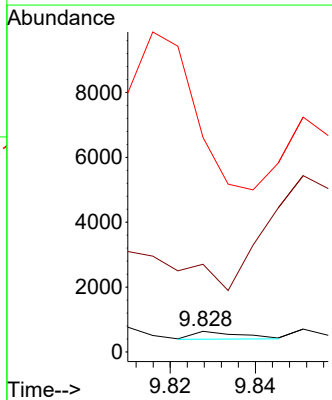
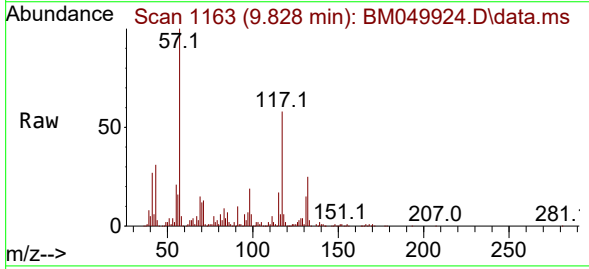
Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.2	54.2
54	44.9	35.0	52.6

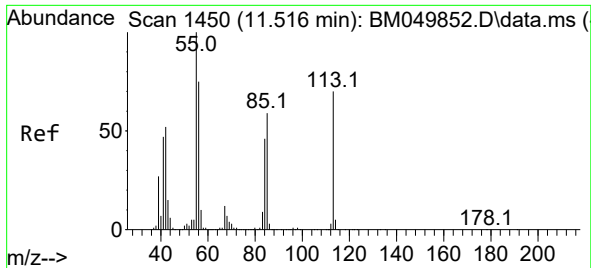


#32
 Benzoic acid
 Concen: 8.547 ng
 RT: 9.828 min Scan# 1163
 Delta R.T. -0.047 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion: 122 Resp: 190

Ion	Ratio	Lower	Upper
122	100		
105	423.8	103.8	143.8#
77	1037.1	70.7	110.7#

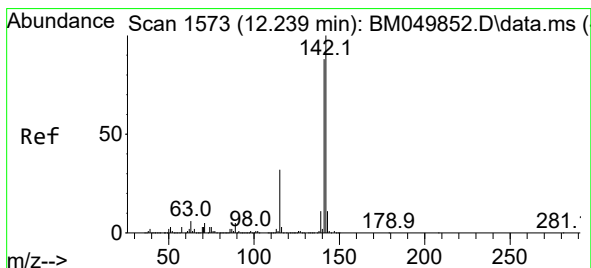
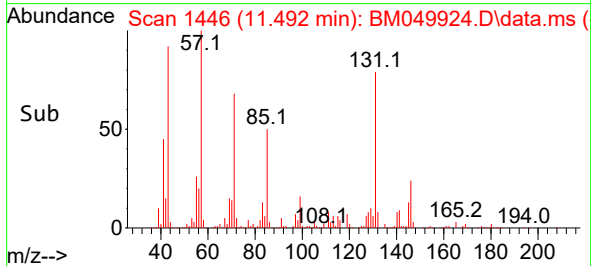
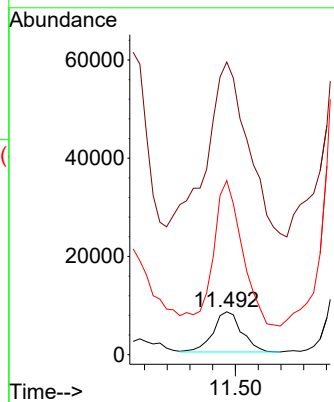
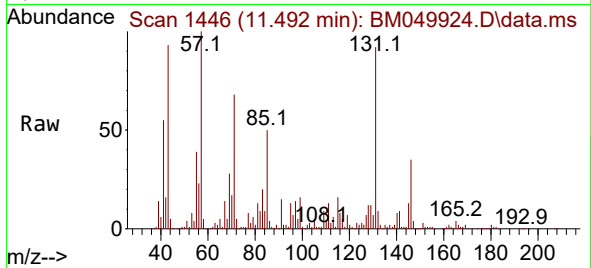




#35
 Caprolactam
 Concen: 2.004 ng
 RT: 11.492 min Scan# 14
 Delta R.T. -0.023 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

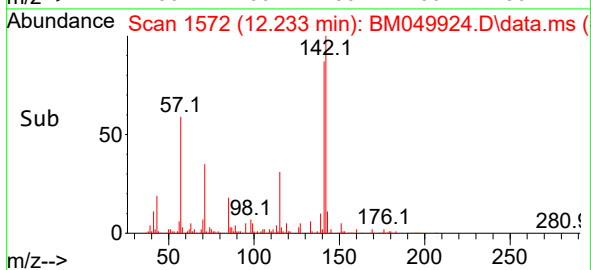
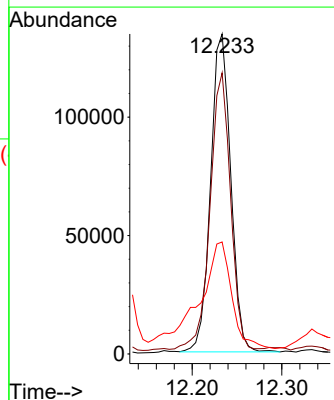
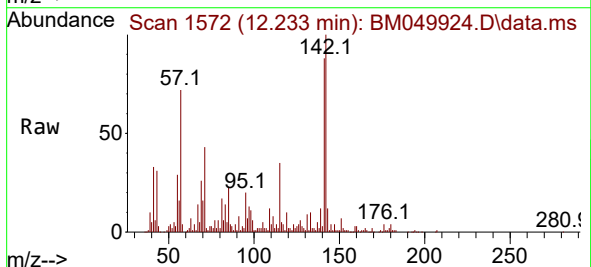
Instrument :
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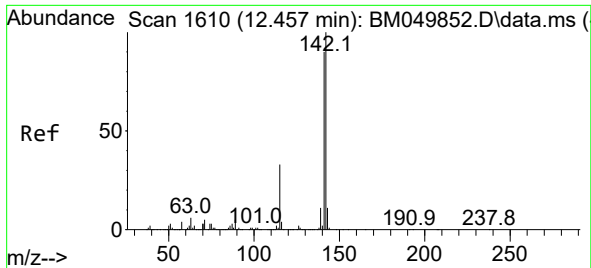
Tgt Ion:113 Resp: 14401
 Ion Ratio Lower Upper
 113 100
 55 681.7 124.3 164.3#
 56 405.6 87.5 127.5#



#37
 2-Methylnaphthalene
 Concen: 3.982 ng
 RT: 12.233 min Scan# 1572
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:142 Resp: 209234
 Ion Ratio Lower Upper
 142 100
 141 87.9 70.2 105.2
 115 35.0 25.4 38.2



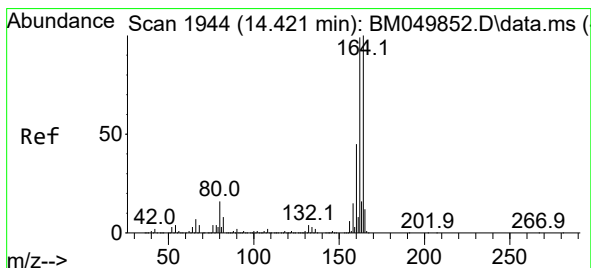
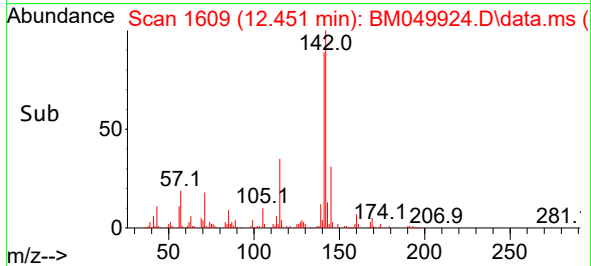
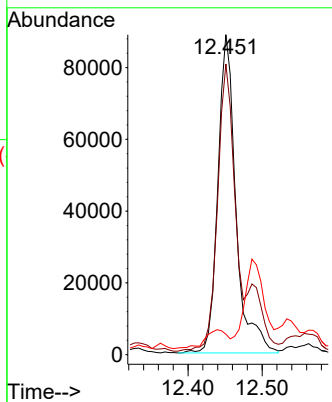
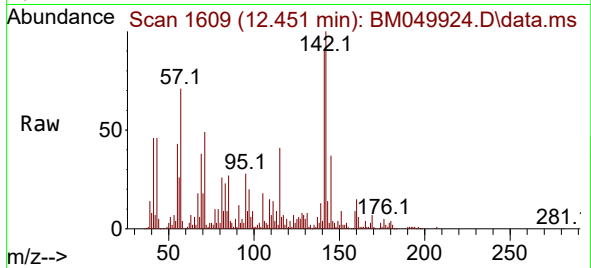


#38
 1-Methylnaphthalene
 Concen: 2.934 ng
 RT: 12.451 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125

Tgt Ion:142 Resp: 150189

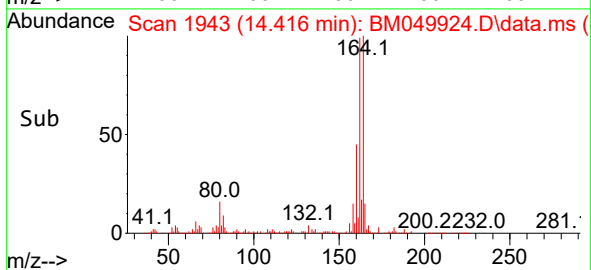
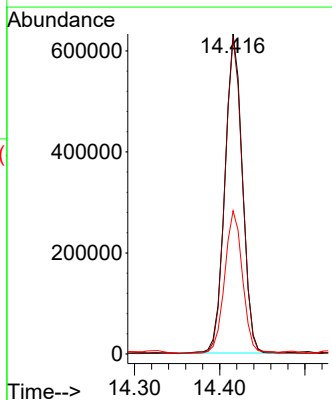
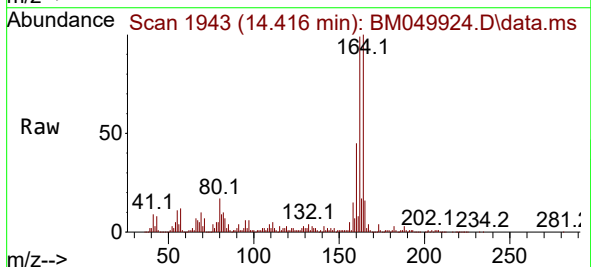
Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.2
116	6.4	2.9	4.3

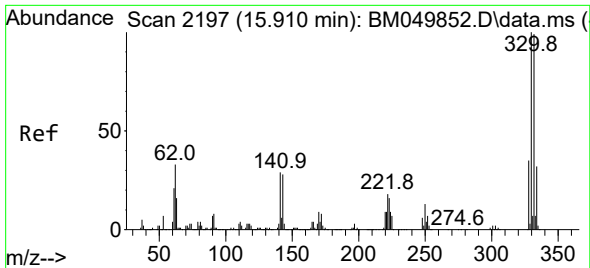


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.416 min Scan# 1943
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:164 Resp: 900804

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.4	119.0
160	44.8	36.2	54.2

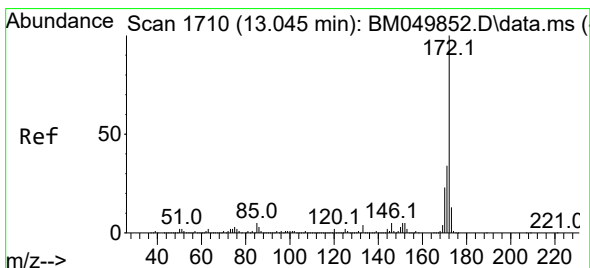
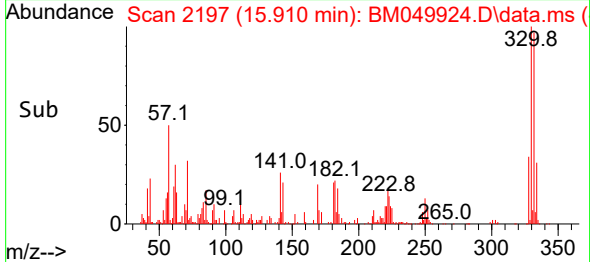
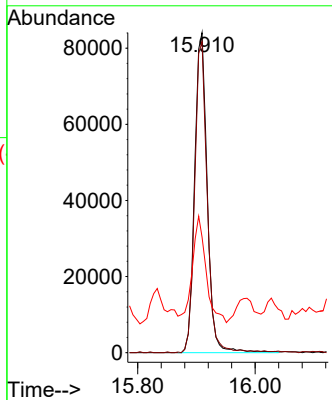
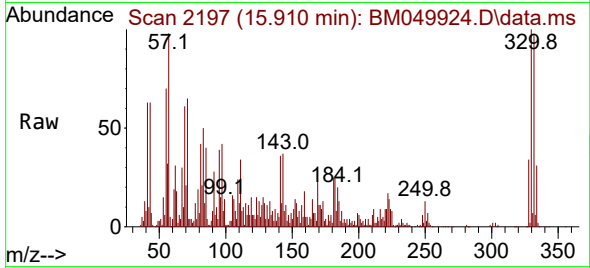




#42
 2,4,6-Tribromophenol
 Concen: 9.527 ng
 RT: 15.910 min Scan# 2197
 Delta R.T. 0.000 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

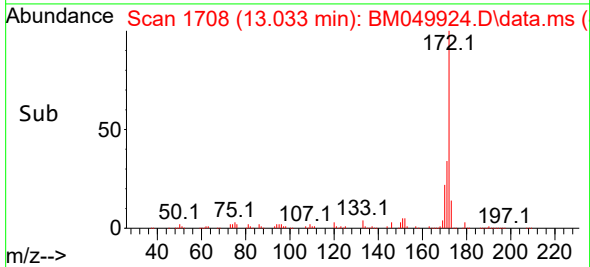
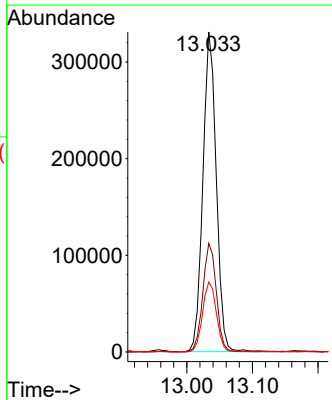
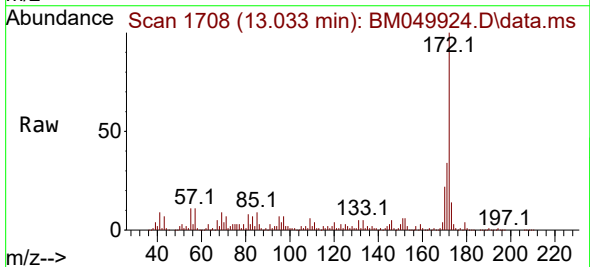
Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125

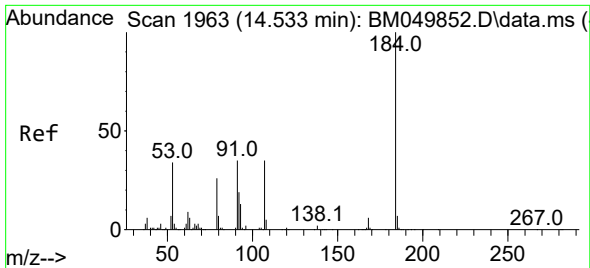
Tgt Ion	Resp	Lower	Upper
330	124830	100	
332	96.4	78.0	117.0
141	36.2	23.5	35.3



#45
 2-Fluorobiphenyl
 Concen: 7.079 ng
 RT: 13.033 min Scan# 1708
 Delta R.T. -0.012 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion	Resp	Lower	Upper
172	470266	100	
171	34.0	27.4	41.2
170	21.9	18.6	28.0

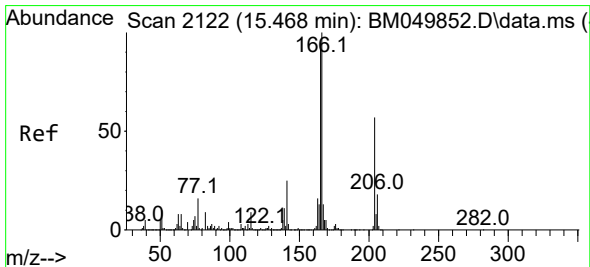
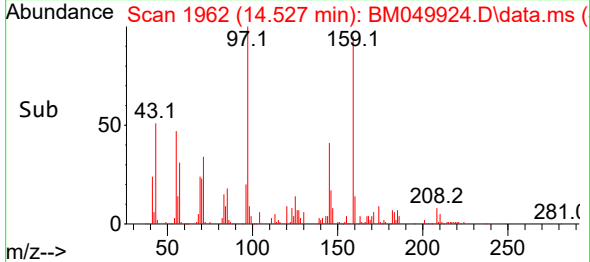
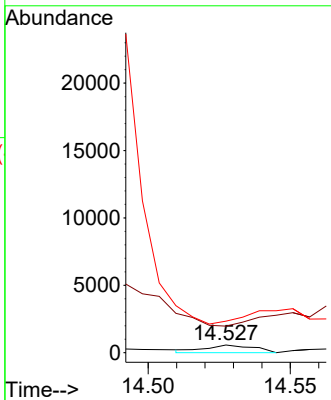
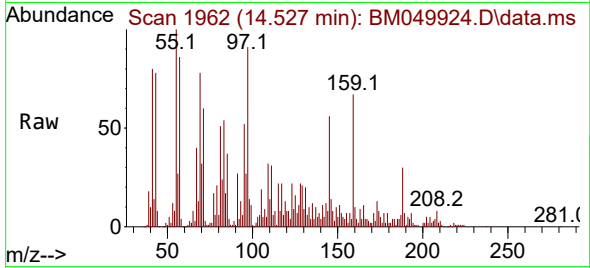




#54
 2,4-Dinitrophenol
 Concen: 7.288 ng
 RT: 14.527 min Scan# 1962
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

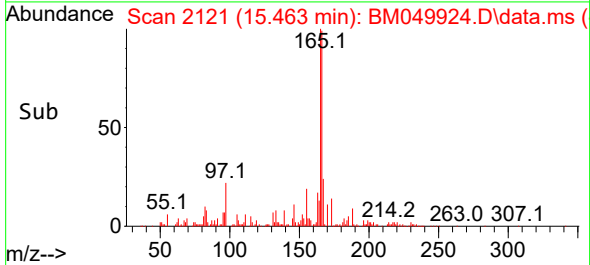
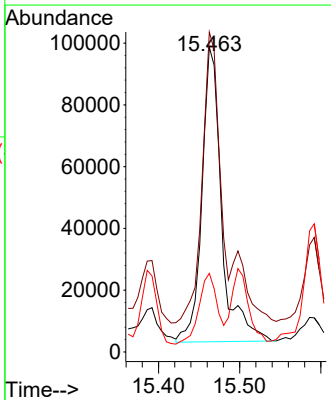
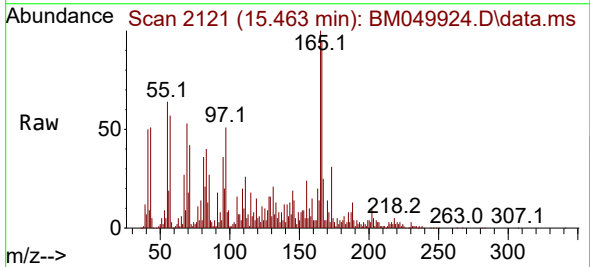
Instrument : BNA_M
 ClientSampleId : SU-03-41125

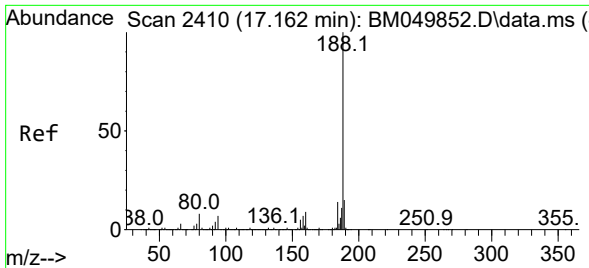
Tgt Ion	Resp	Lower	Upper
184	100		
63	347.6	38.4	57.6#
154	411.8	48.1	72.1#



#58
 Fluorene
 Concen: 2.479 ng
 RT: 15.463 min Scan# 2121
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

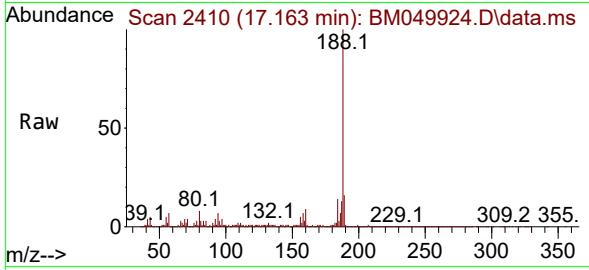
Tgt Ion	Resp	Lower	Upper
166	100		
165	105.0	76.3	114.5
167	25.8	10.7	16.1#



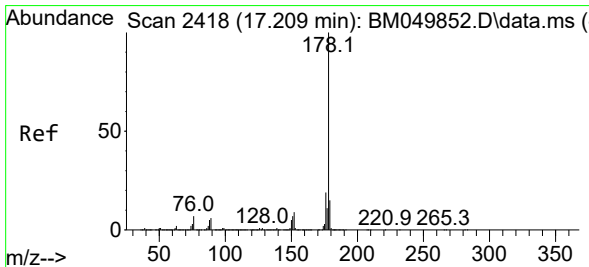
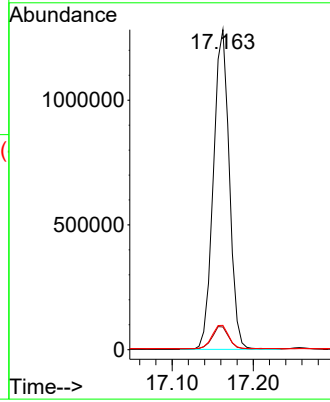
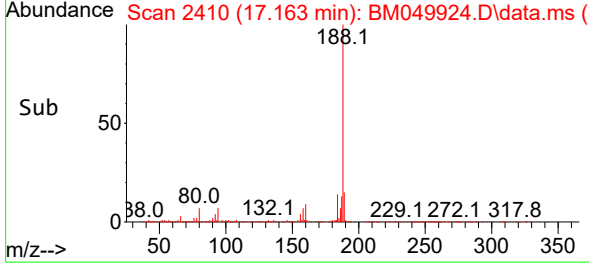


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.163 min Scan# 2410
 Delta R.T. 0.000 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

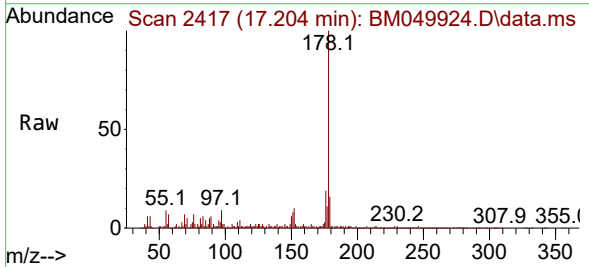
Instrument : BNA_M
 ClientSampleId : SU-03-41125



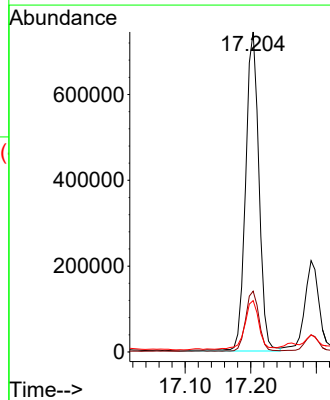
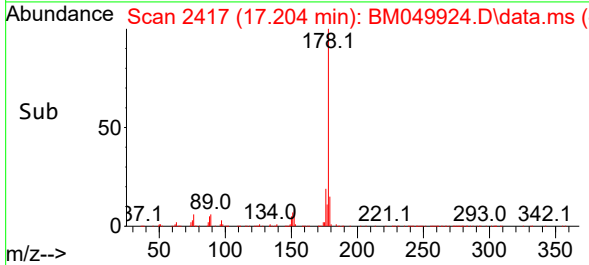
Tgt Ion:188 Resp: 1746418
 Ion Ratio Lower Upper
 188 100
 94 7.1 5.8 8.6
 80 7.6 6.4 9.6

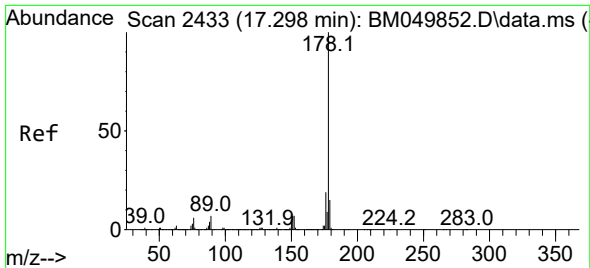


#71
 Phenanthrene
 Concen: 10.977 ng
 RT: 17.204 min Scan# 2417
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43



Tgt Ion:178 Resp: 1051033
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 16.1 12.3 18.5



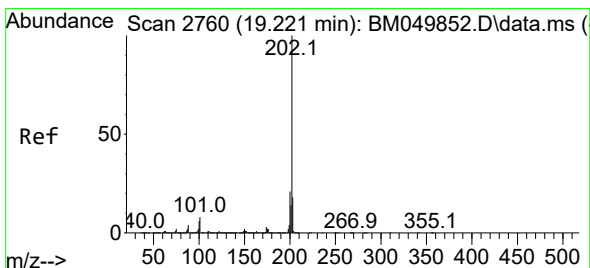
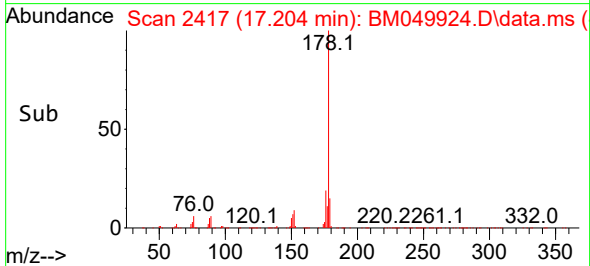
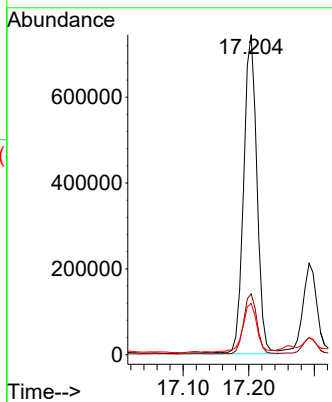
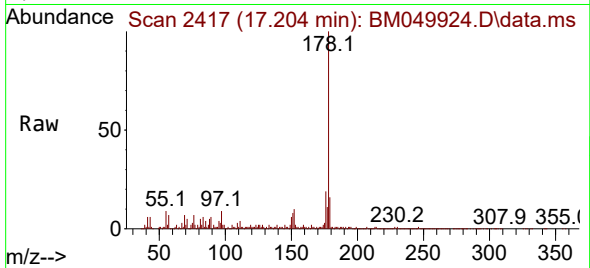


#72
 Anthracene
 Concen: 11.139 ng
 RT: 17.204 min Scan# 24
 Delta R.T. -0.094 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125

Tgt Ion:178 Resp: 1051033

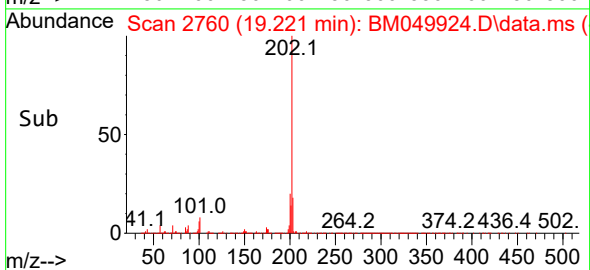
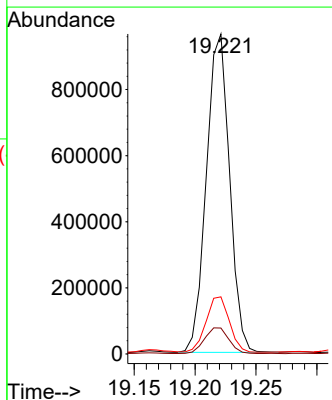
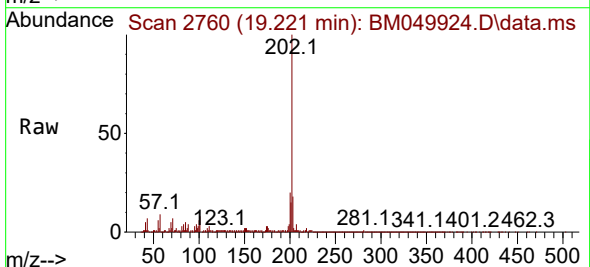
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	16.1	12.4	18.6

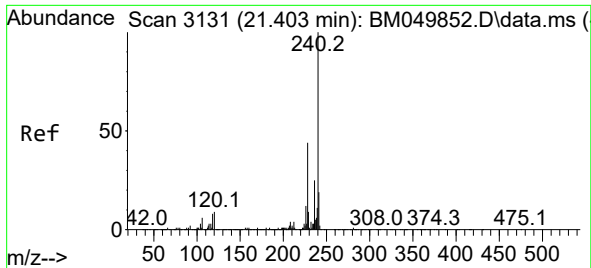


#75
 Fluoranthene
 Concen: 10.826 ng
 RT: 19.221 min Scan# 2760
 Delta R.T. 0.000 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:202 Resp: 1274507

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.4
203	17.9	0.0	37.8

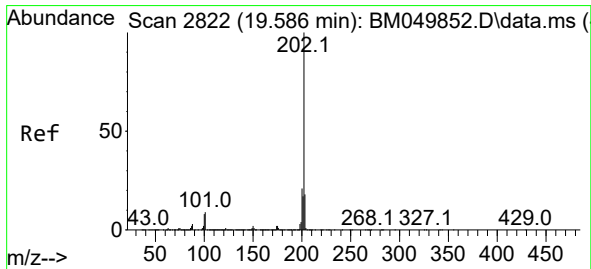
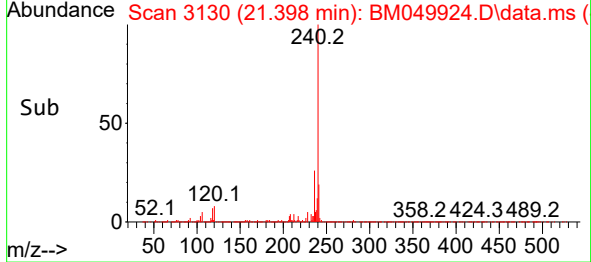
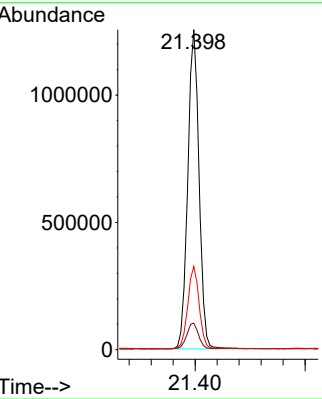
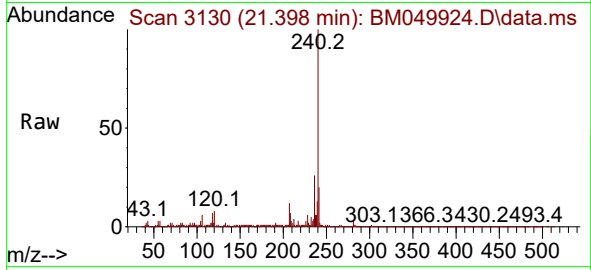




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.398 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

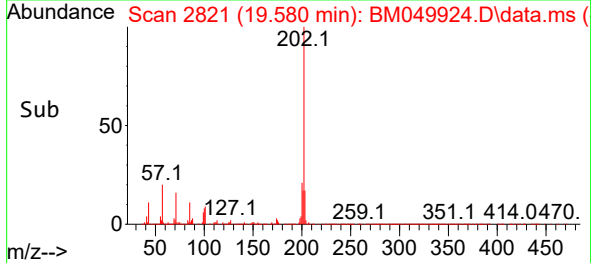
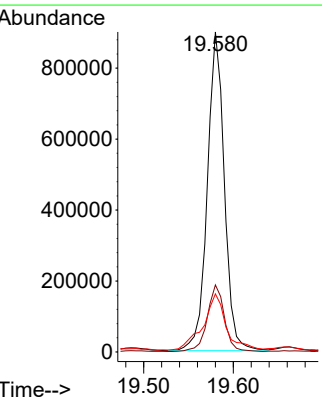
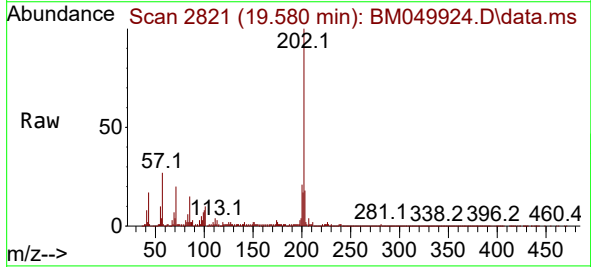
Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125

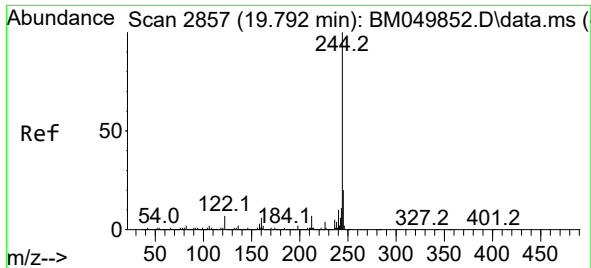
Tgt Ion:240 Resp: 1785382
 Ion Ratio Lower Upper
 240 100
 120 8.3 6.9 10.3
 236 26.0 20.4 30.6



#78
 Pyrene
 Concen: 9.619 ng
 RT: 19.580 min Scan# 2821
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:202 Resp: 1183557
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.5 24.7
 203 18.2 14.0 21.0



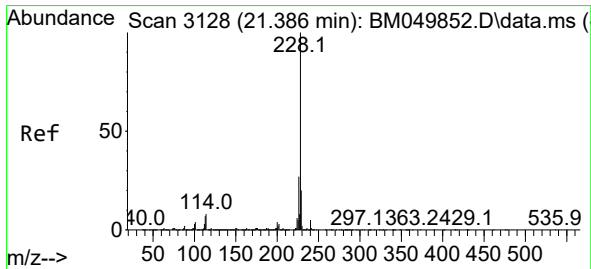
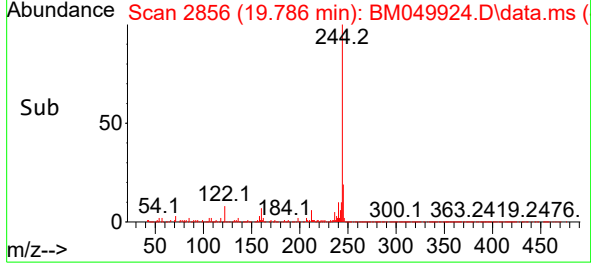
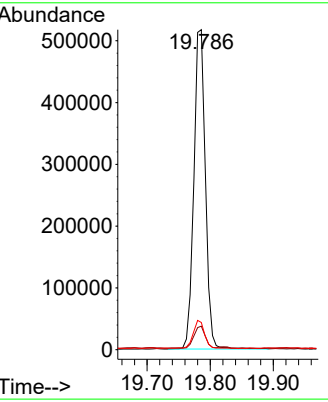
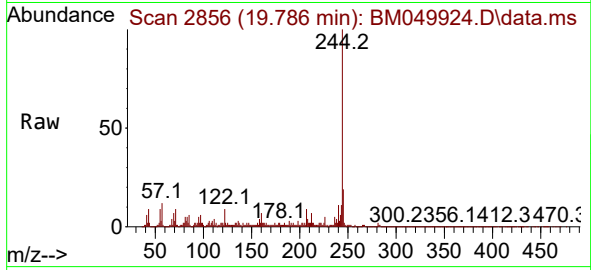


#79
 Terphenyl-d14
 Concen: 6.912 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument : BNA_M
 ClientSampleId : SU-03-41125

Tgt Ion:244 Resp: 658469

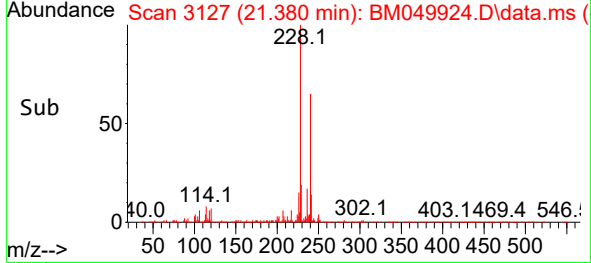
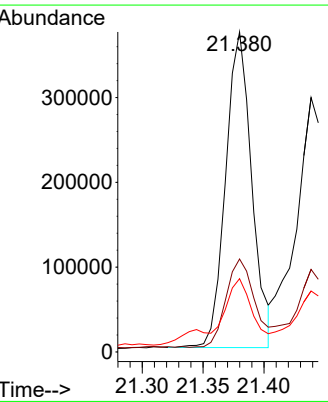
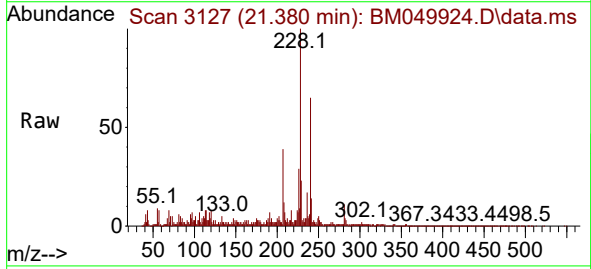
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.5	8.3
122	8.5	5.4	8.0

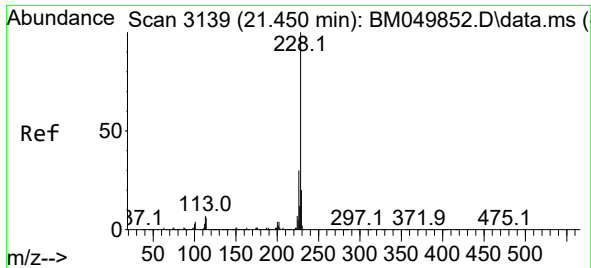


#81
 Benzo(a)anthracene
 Concen: 4.687 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:228 Resp: 556101

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.8	32.8
229	22.9	15.8	23.8



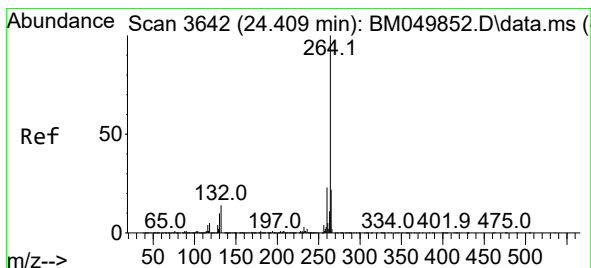
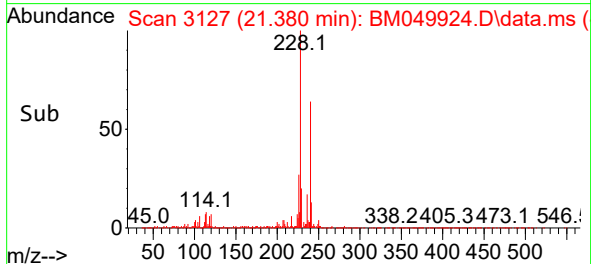
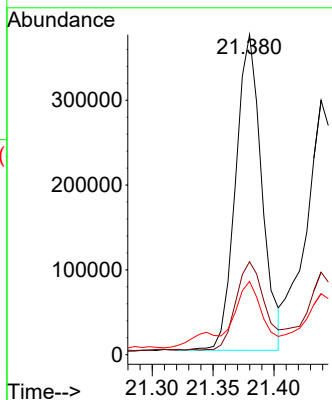
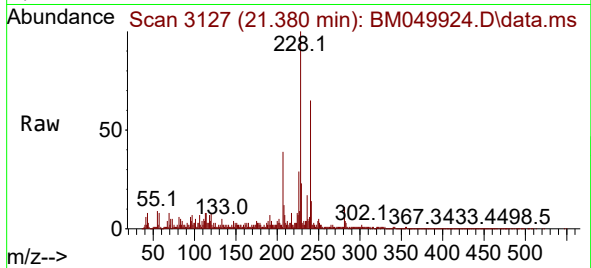


#83
 Chrysene
 Concen: 4.930 ng
 RT: 21.380 min Scan# 31
 Delta R.T. -0.070 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125

Tgt Ion:228 Resp: 556101

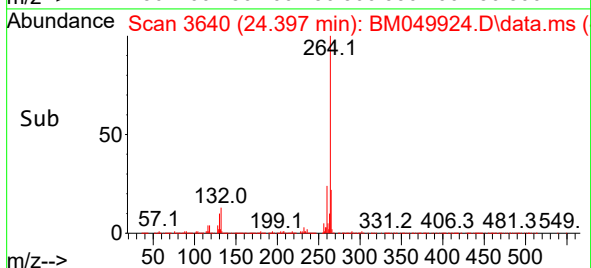
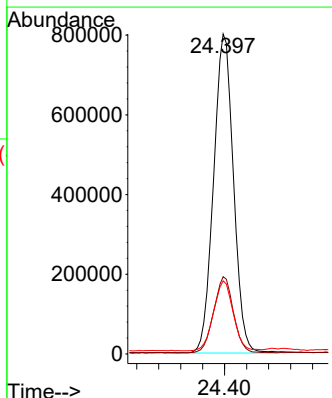
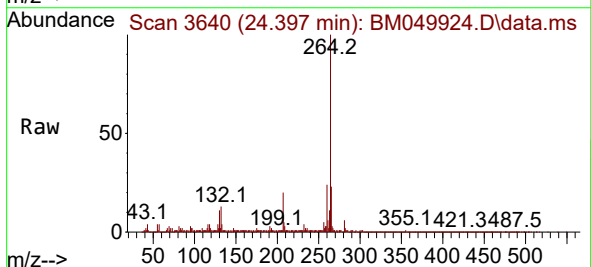
Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.1	36.1
229	22.9	15.8	23.6

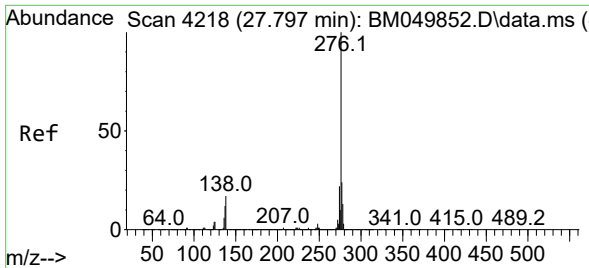


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.397 min Scan# 3640
 Delta R.T. -0.012 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:264 Resp: 2013028

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	22.9	17.8	26.8



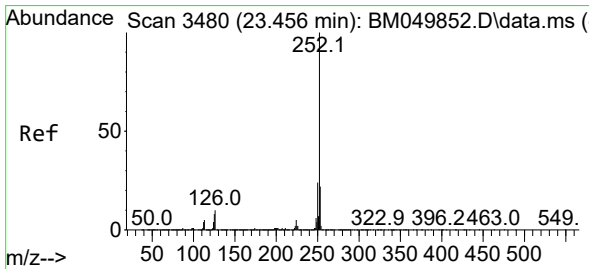
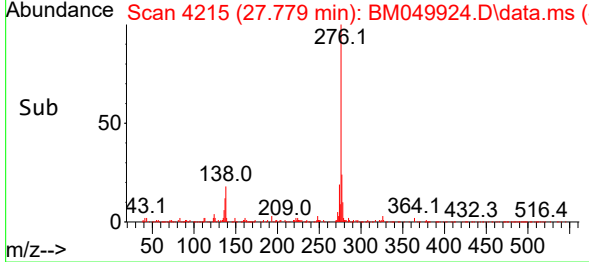
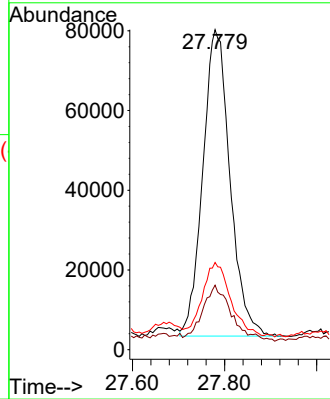
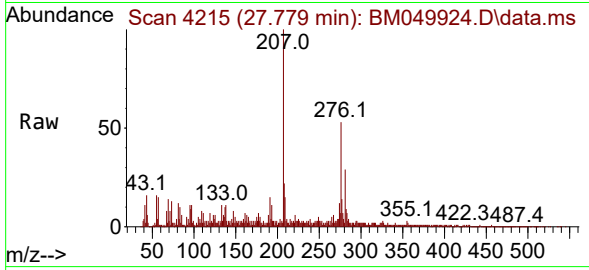


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.102 ng
 RT: 27.779 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125

Tgt Ion:276 Resp: 315471

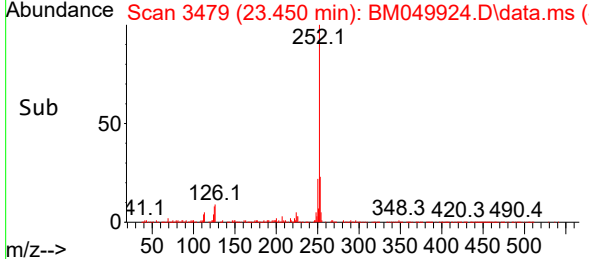
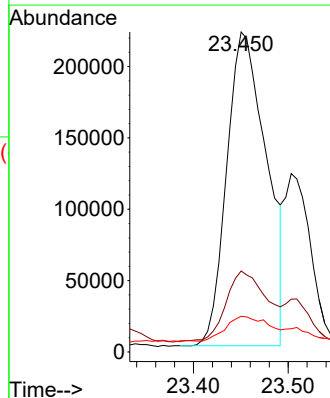
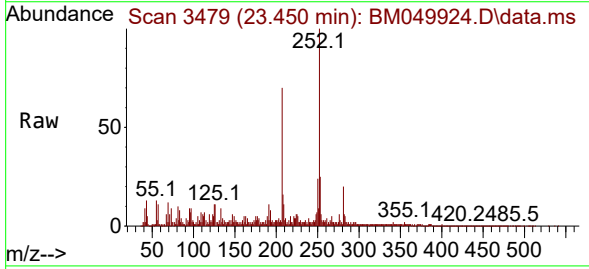
Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.8	25.2
277	24.4	20.1	30.1

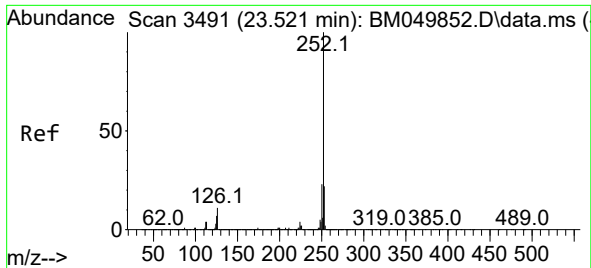


#88
 Benzo(b)fluoranthene
 Concen: 4.997 ng
 RT: 23.450 min Scan# 3479
 Delta R.T. -0.006 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:252 Resp: 642457

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	11.2	6.2	9.4



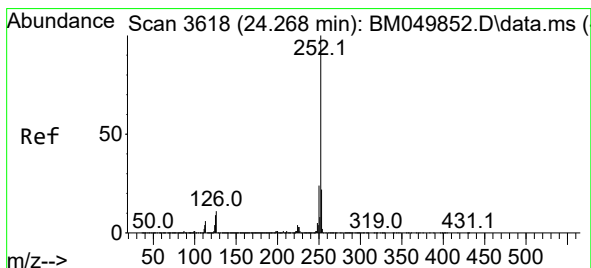
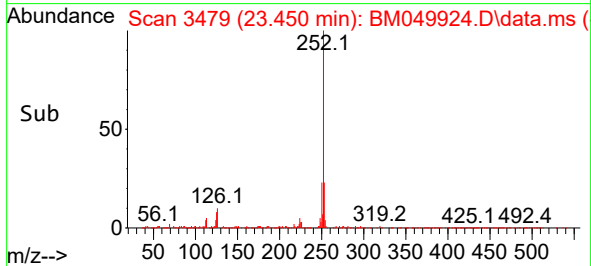
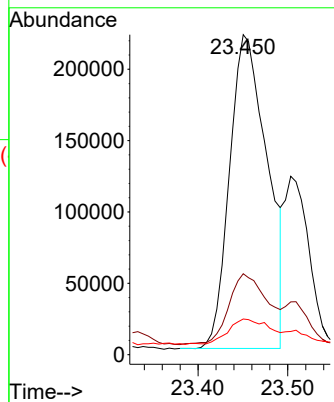
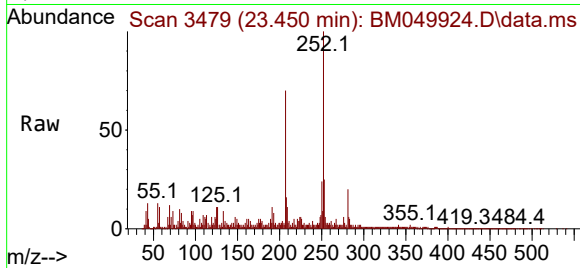


#89
 Benzo(k)fluoranthene
 Concen: 5.159 ng
 RT: 23.450 min Scan# 3491
 Delta R.T. -0.070 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument : BNA_M
 ClientSampleId : SU-03-41125

Tgt Ion:252 Resp: 642704

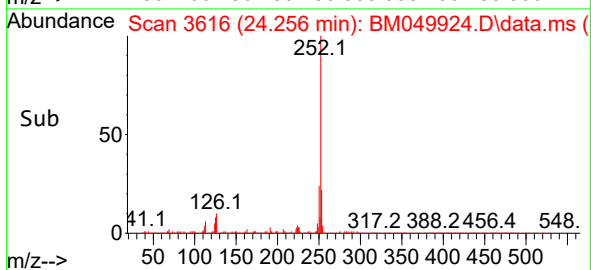
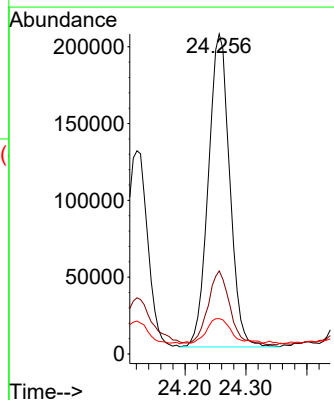
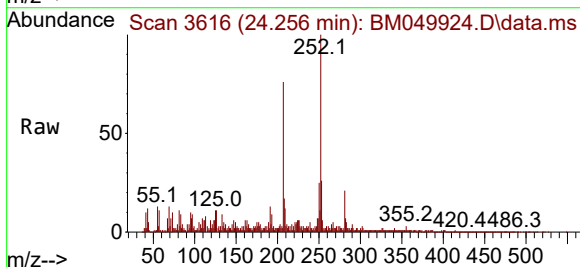
Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.4	26.2
125	11.2	5.8	8.8

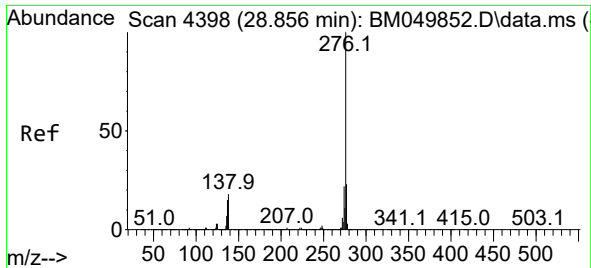


#90
 Benzo(a)pyrene
 Concen: 4.387 ng
 RT: 24.256 min Scan# 3616
 Delta R.T. -0.012 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Tgt Ion:252 Resp: 495593

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.8
125	11.1	7.0	10.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.357 ng
 RT: 28.838 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BM049924.D
 Acq: 14 Apr 2025 21:43

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-41125

Tgt Ion: 276 Resp: 297684

Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.7	28.1
138	20.0	14.6	21.8

