

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042459.D
 Acq On : 26 Oct 2023 19:09
 Operator : MA/JU
 Sample : 05010-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 343

Quant Time: Oct 27 00:45:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

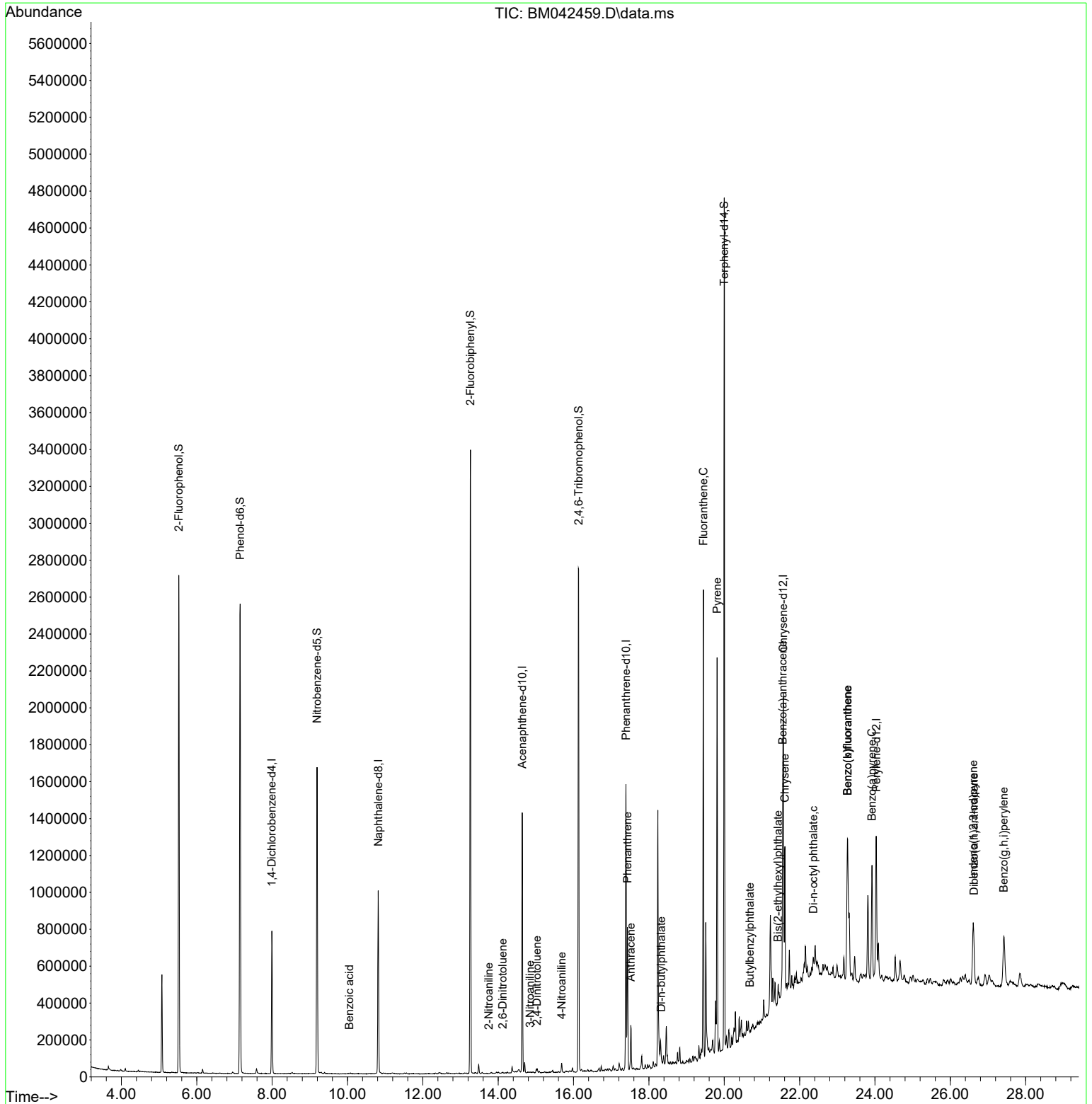
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	190580	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	755644	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	443443	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	888239	20.000	ng	# 0.00
76) Chrysene-d12	21.568	240	588626	20.000	ng	-0.01
86) Perylene-d12	24.033	264	593434	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1046382	77.598	ng	0.00
7) Phenol-d6	7.151	99	1388342	76.827	ng	0.00
23) Nitrobenzene-d5	9.192	82	904608	52.937	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	472185	98.806	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	1694739	51.464	ng	0.00
79) Terphenyl-d14	19.998	244	2110244	63.580	ng	-0.01
Target Compounds						
32) Benzoic acid	10.045	122	446	5.369	ng	# 64
48) 2-Nitroaniline	13.751	65	136	3.651	ng	# 13
51) 2,6-Dinitrotoluene	14.116	165	120	2.903	ng	# 45
53) 3-Nitroaniline	14.845	138	83	3.274	ng	# 1
57) 2,4-Dinitrotoluene	15.027	165	77	4.071	ng	# 6
62) 4-Nitroaniline	15.686	138	218	3.825	ng	# 12
71) Phenanthrene	17.433	178	436781	9.039	ng	99
72) Anthracene	17.521	178	138449	2.893	ng	99
74) Di-n-butylphthalate	18.327	149	9736	2.979	ng	# 95
75) Fluoranthene	19.445	202	1426346	26.802	ng	97
78) Pyrene	19.809	202	1199904	29.171	ng	100
80) Butylbenzylphthalate	20.680	149	979	3.307	ng	# 77
81) Benzo(a)anthracene	21.550	228	508524	12.887	ng	99
83) Chrysene	21.609	228	444158	11.719	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	29765	4.413	ng	# 94
85) Di-n-octyl phthalate	22.362	149	6181	4.342	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.609	276	332375	7.664	ng	# 91
88) Benzo(b)fluoranthene	23.274	252	604135	16.913	ng	99
89) Benzo(k)fluoranthene	23.274	252	604135	16.290	ng	99
90) Benzo(a)pyrene	23.921	252	442455	12.869	ng	98
91) Dibenzo(a,h)anthracene	26.627	278	75968	2.107	ng	92
92) Benzo(g,h,i)perylene	27.421	276	329915	9.422	ng	93

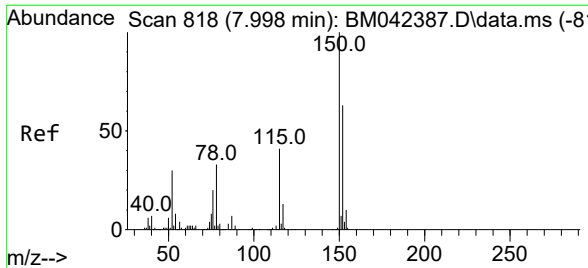
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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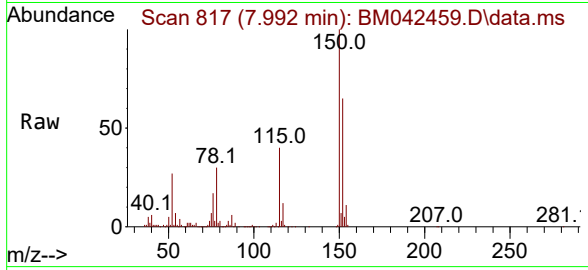
Quant Time: Oct 27 00:45:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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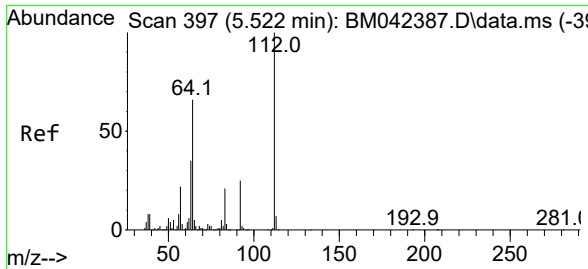
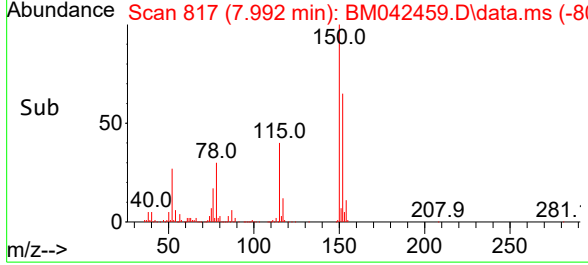
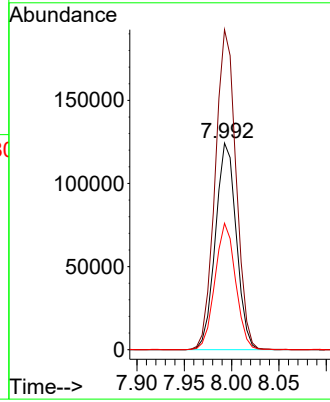
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.992 min Scan# 817
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument :
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 343

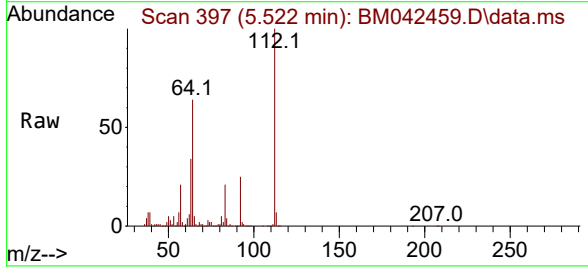


Tgt Ion:152 Resp: 190580

Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.4
115	61.2	51.9	77.9

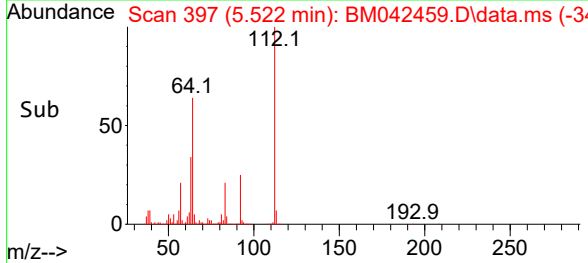
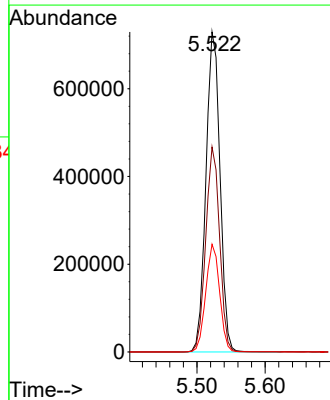


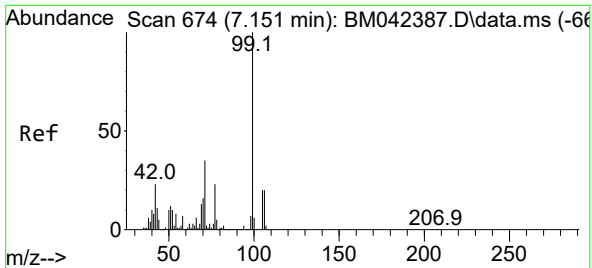
#5
 2-Fluorophenol
 Concen: 77.598 ng
 RT: 5.522 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09



Tgt Ion:112 Resp: 1046382

Ion	Ratio	Lower	Upper
112	100		
64	64.0	52.7	79.1
63	33.6	28.3	42.5



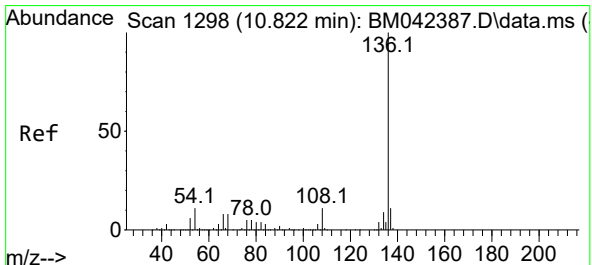
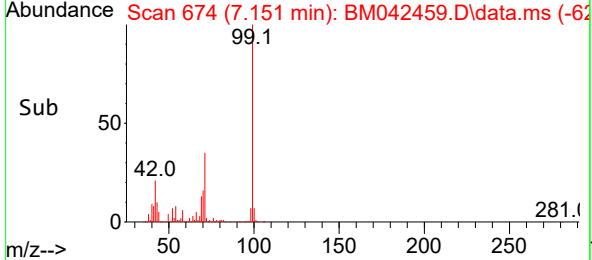
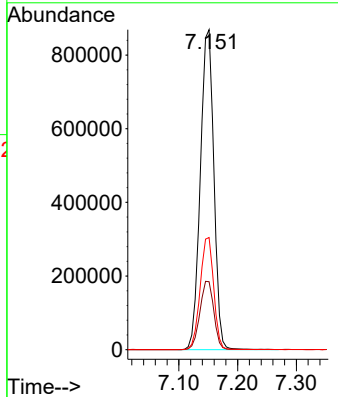
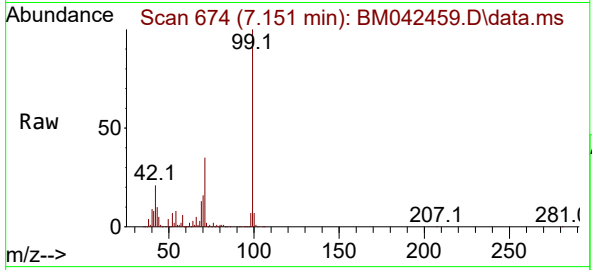


#7
 Phenol-d6
 Concen: 76.827 ng
 RT: 7.151 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument :
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 ClientSampleId :
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Tgt Ion: 99 Resp: 1388342

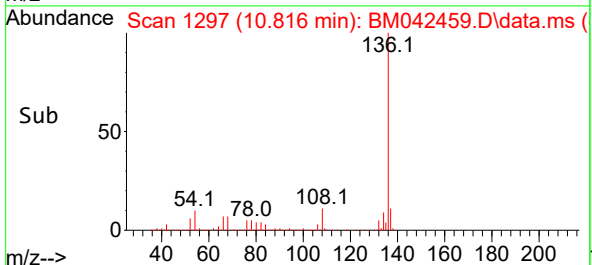
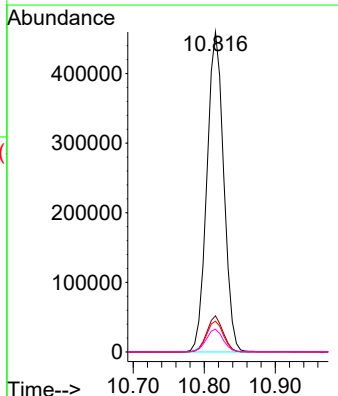
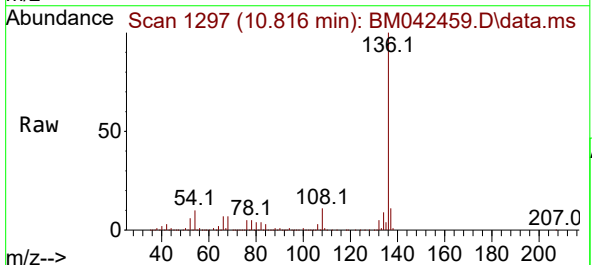
Ion	Ratio	Lower	Upper
99	100		
42	21.2	18.5	27.7
71	35.1	27.7	41.5

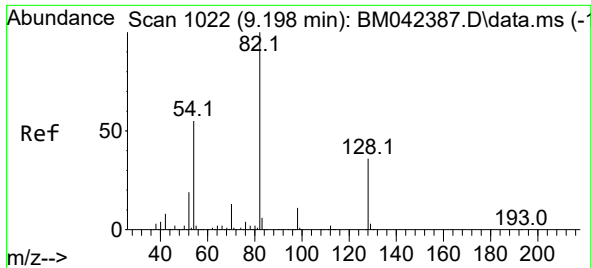


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.816 min Scan# 1297
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Tgt Ion: 136 Resp: 755644

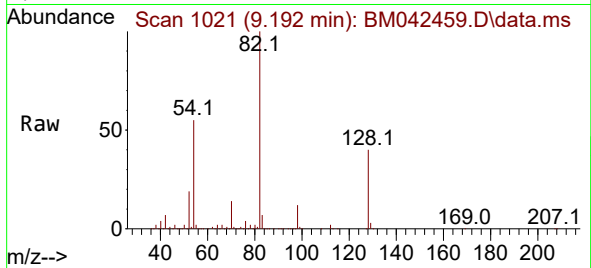
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	9.6	8.6	12.8
68	7.1	6.4	9.6



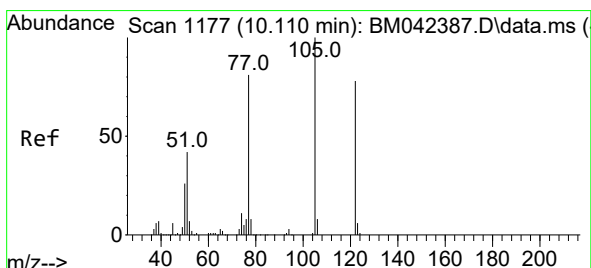
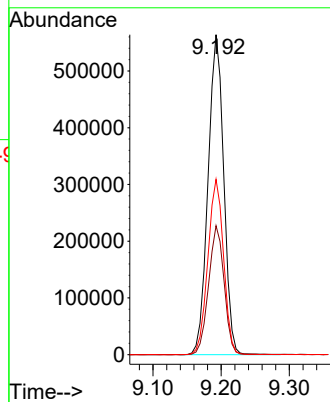
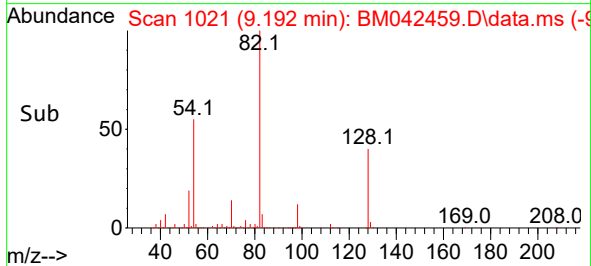


#23
 Nitrobenzene-d5
 Concen: 52.937 ng
 RT: 9.192 min Scan# 1166
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument :
 BNA_M
 ClientSampleId :
 343

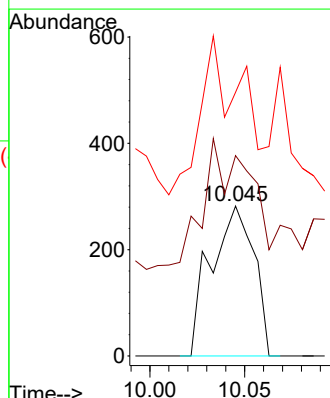
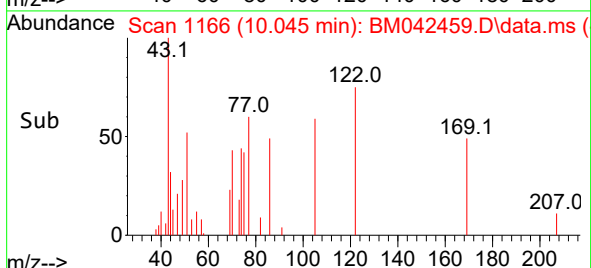
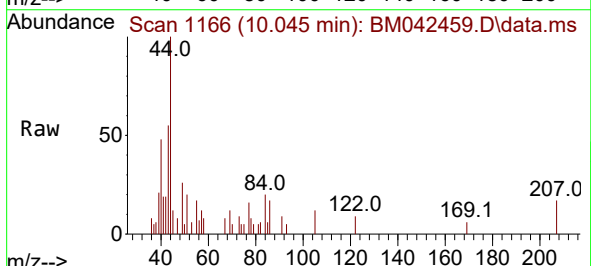


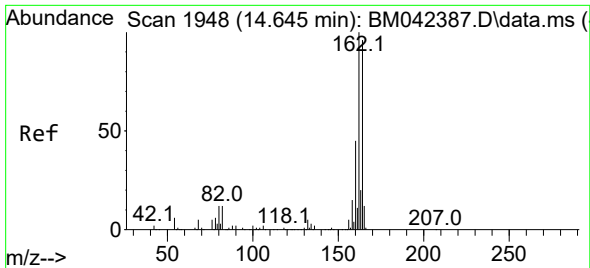
Tgt Ion: 82 Resp: 904608
 Ion Ratio Lower Upper
 82 100
 128 40.3 29.0 43.6
 54 54.8 43.7 65.5



#32
 Benzoic acid
 Concen: 5.369 ng
 RT: 10.045 min Scan# 1166
 Delta R.T. -0.065 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

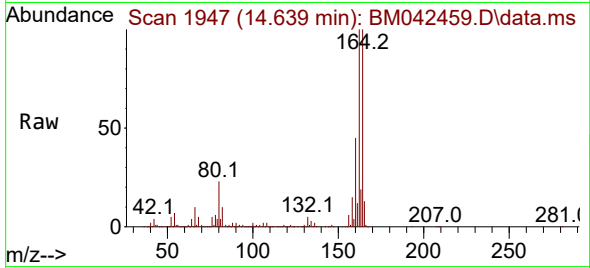
Tgt Ion: 122 Resp: 446
 Ion Ratio Lower Upper
 122 100
 105 133.7 104.9 144.9
 77 175.9 83.4 123.4#



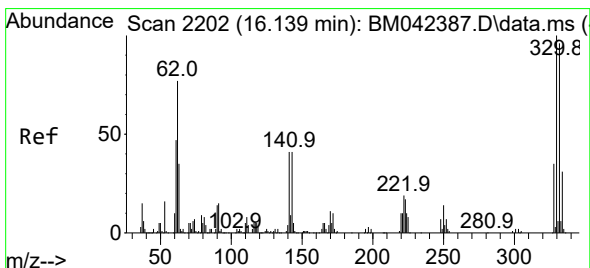
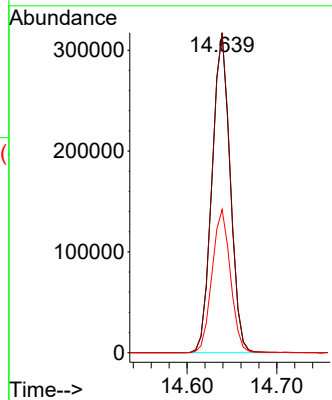
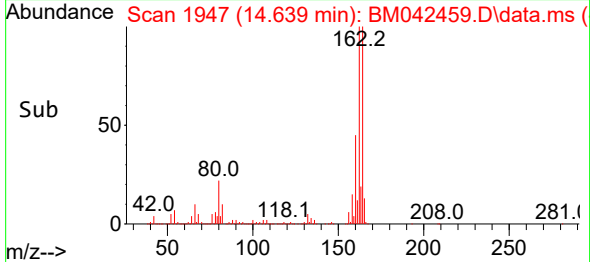


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.639 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

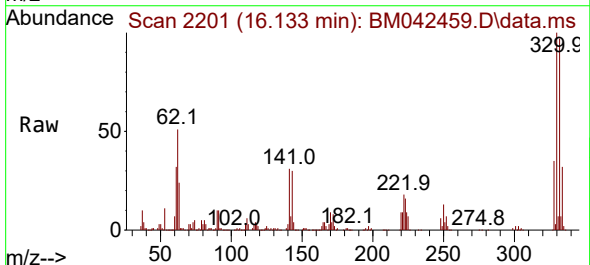
Instrument :
 BNA_M
 ClientSampleId :
 343



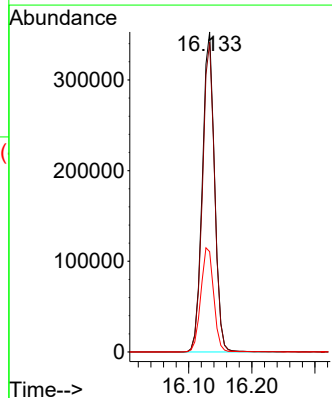
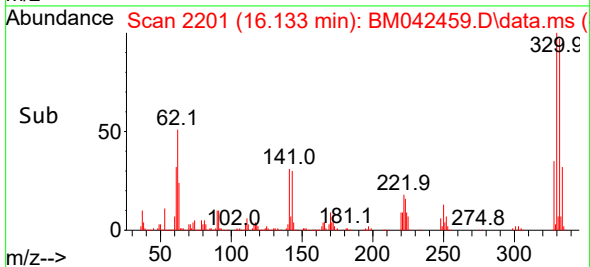
Tgt Ion:164 Resp: 443443
 Ion Ratio Lower Upper
 164 100
 162 99.8 83.0 124.4
 160 44.8 37.0 55.4

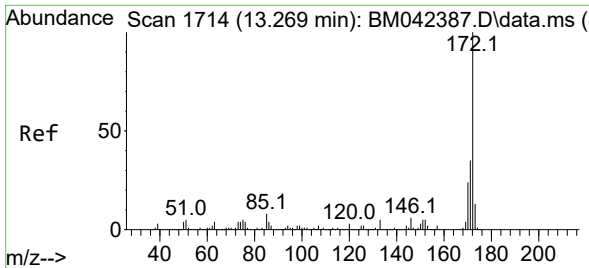


#42
 2,4,6-Tribromophenol
 Concen: 98.806 ng
 RT: 16.133 min Scan# 2201
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09



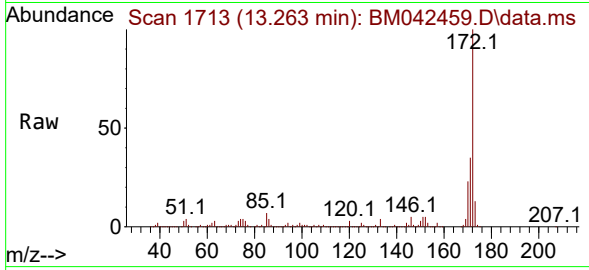
Tgt Ion:330 Resp: 472185
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.6 116.4
 141 34.5 38.0 57.0#



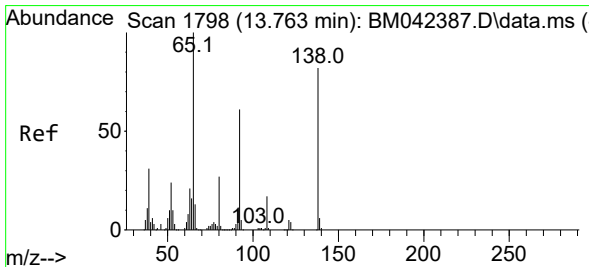
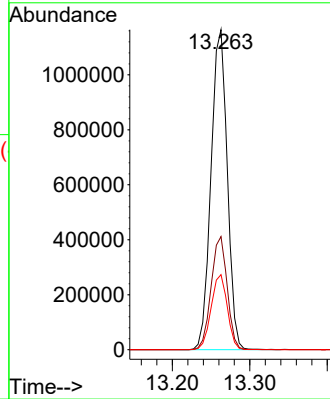
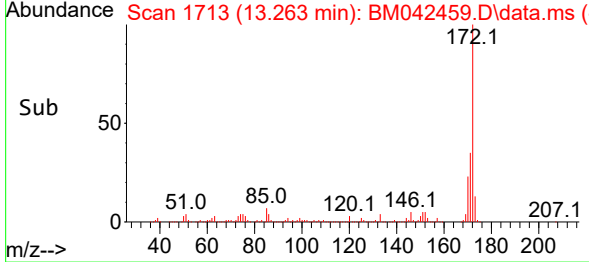


#45
 2-Fluorobiphenyl
 Concen: 51.464 ng
 RT: 13.263 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

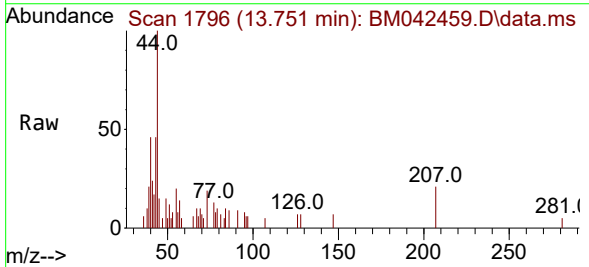
Instrument :
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 ClientSampleId :
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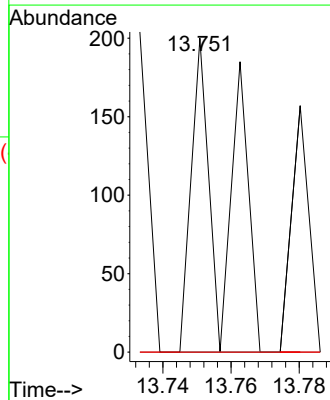
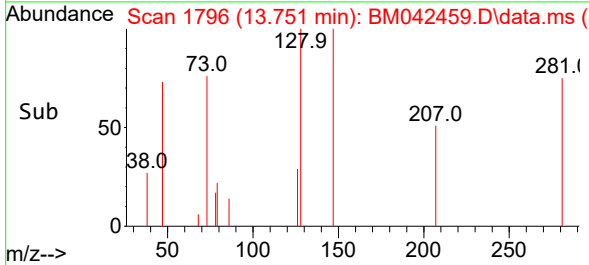
Tgt Ion:172 Resp: 1694739
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.1 42.1
 170 23.4 18.9 28.3

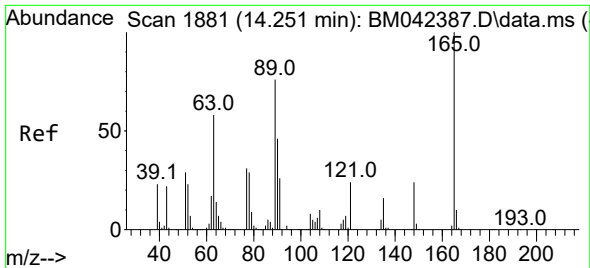


#48
 2-Nitroaniline
 Concen: 3.651 ng
 RT: 13.751 min Scan# 1796
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09



Tgt Ion: 65 Resp: 136
 Ion Ratio Lower Upper
 65 100
 92 0.0 49.0 73.6#
 138 0.0 65.5 98.3#

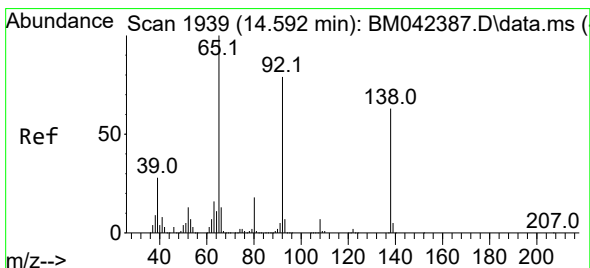
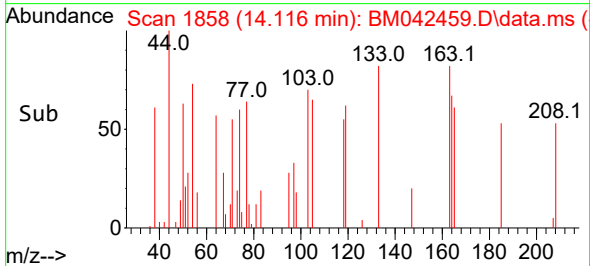
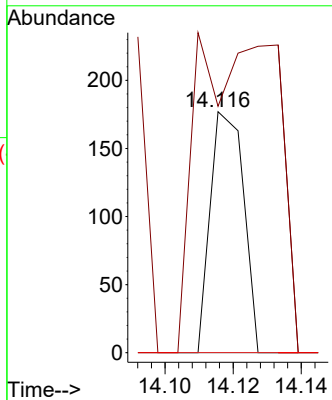
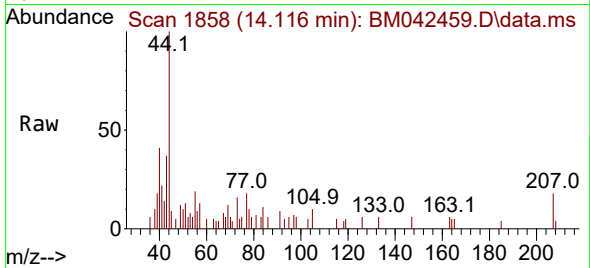




#51
 2,6-Dinitrotoluene
 Concen: 2.903 ng
 RT: 14.116 min Scan# 111
 Delta R.T. -0.135 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

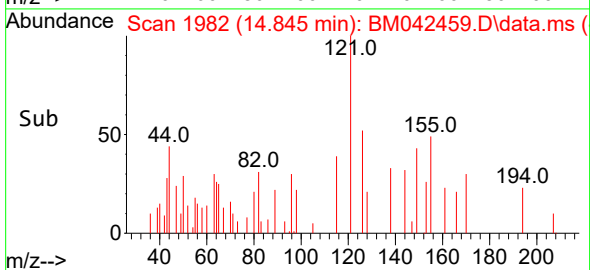
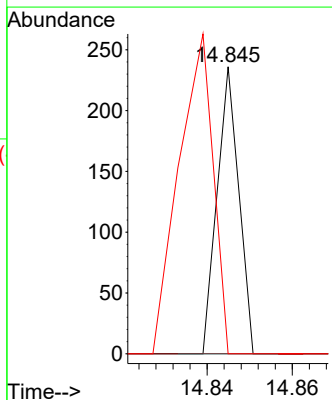
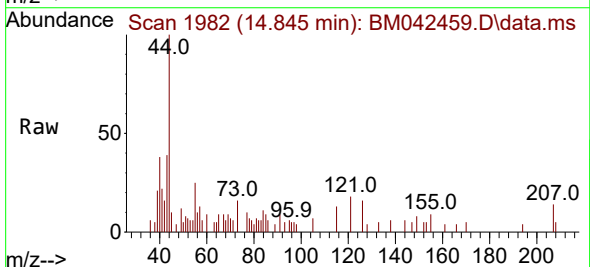
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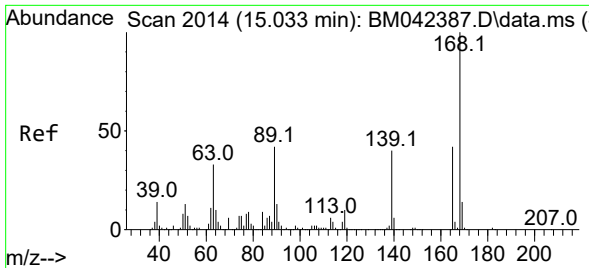
Tgt Ion	Resp	Lower	Upper
165	100		
63	102.3	65.3	97.9#
89	0.0	60.6	91.0#



#53
 3-Nitroaniline
 Concen: 3.274 ng
 RT: 14.845 min Scan# 1982
 Delta R.T. 0.253 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

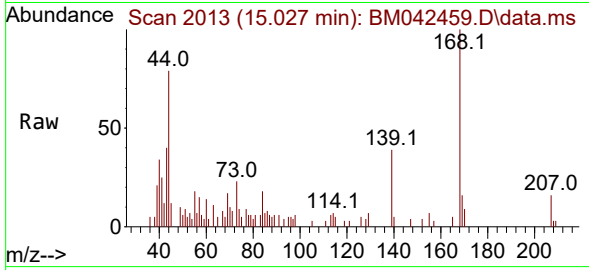
Tgt Ion	Resp	Lower	Upper
138	100		
108	0.0	8.3	12.5#
92	0.0	100.6	151.0#



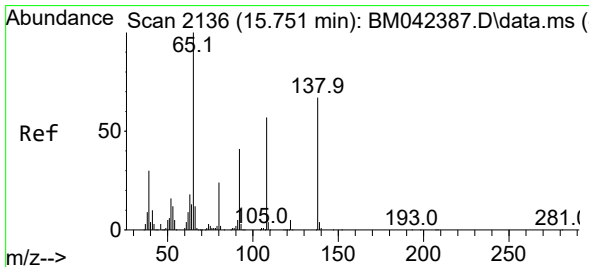
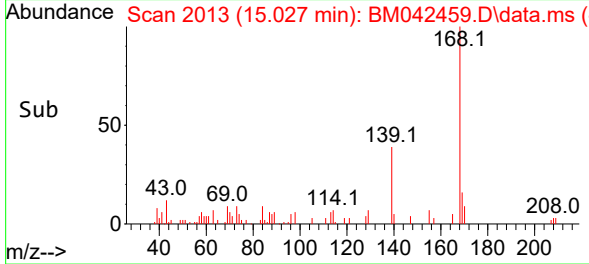
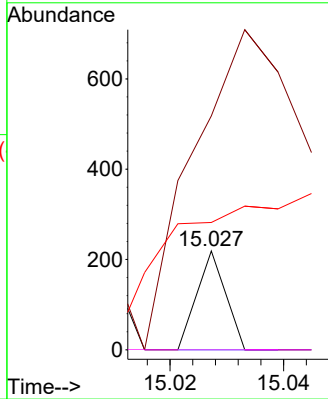


#57
 2,4-Dinitrotoluene
 Concen: 4.071 ng
 RT: 15.027 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument : BNA_M
 ClientSampleId : 343

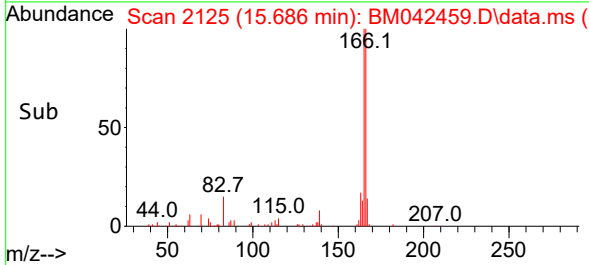
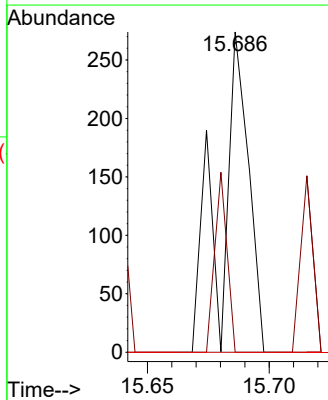
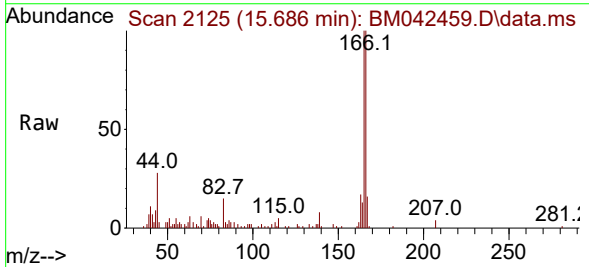


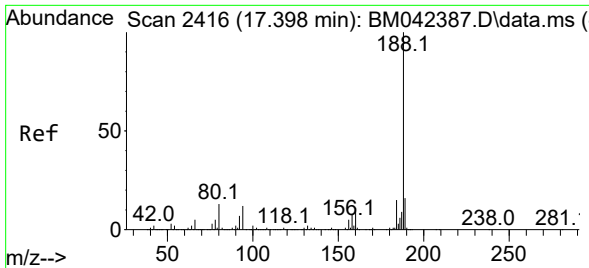
Tgt Ion:165 Resp: 77
 Ion Ratio Lower Upper
 165 100
 63 236.5 62.9 94.3#
 89 128.8 80.2 120.2#
 182 0.0 2.1 3.1#



#62
 4-Nitroaniline
 Concen: 3.825 ng
 RT: 15.686 min Scan# 2125
 Delta R.T. -0.065 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

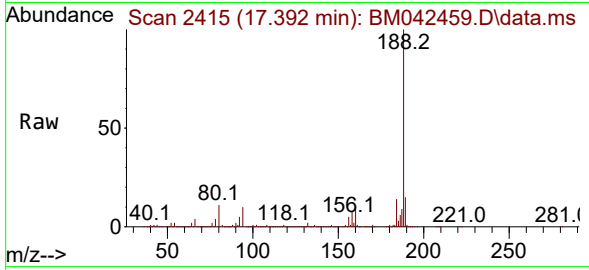
Tgt Ion:138 Resp: 218
 Ion Ratio Lower Upper
 138 100
 92 0.0 40.4 80.4#
 108 0.0 65.3 105.3#



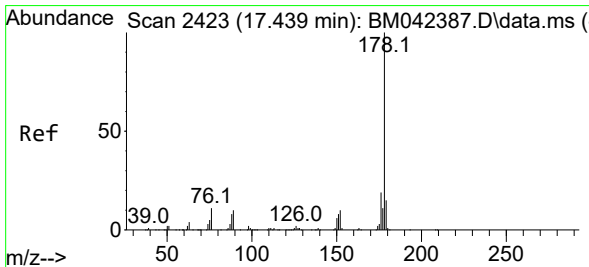
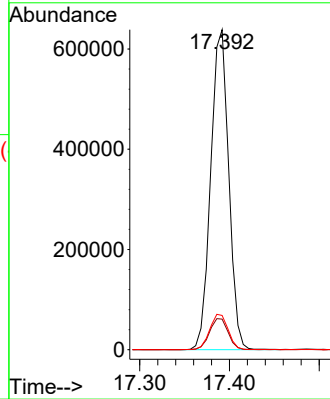
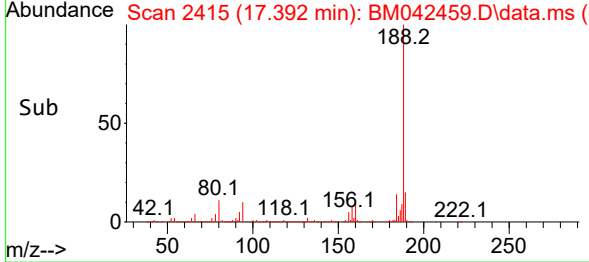


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.392 min Scan# 2415
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

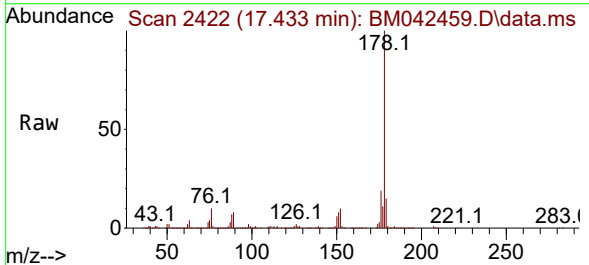
Instrument :
 BNA_M
 ClientSampleId :
 343



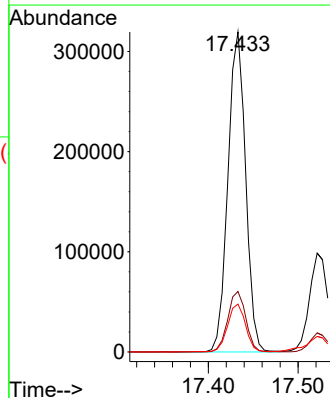
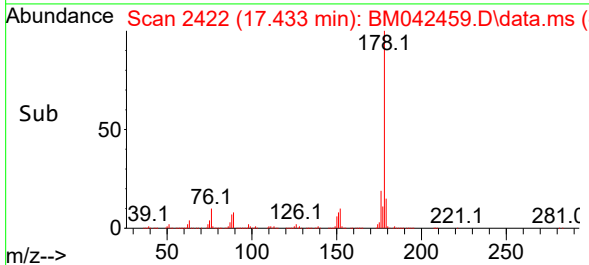
Tgt Ion:188 Resp: 888239
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.4 14.0
 80 10.7 10.7 16.1#

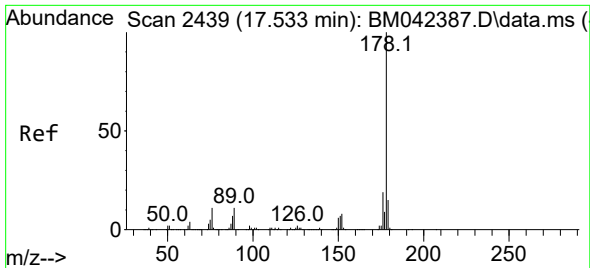


#71
 Phenanthrene
 Concen: 9.039 ng
 RT: 17.433 min Scan# 2422
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09



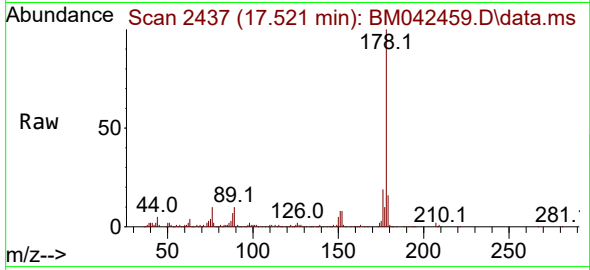
Tgt Ion:178 Resp: 436781
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.0 12.3 18.5



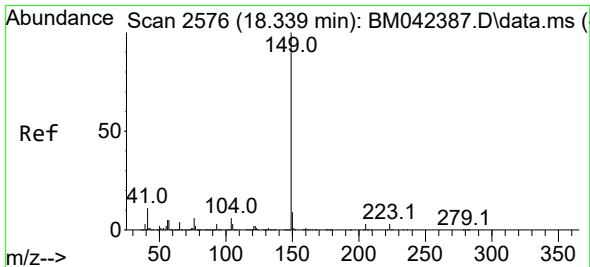
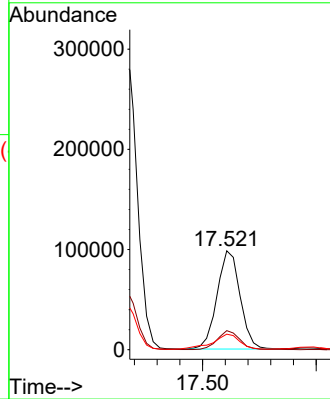
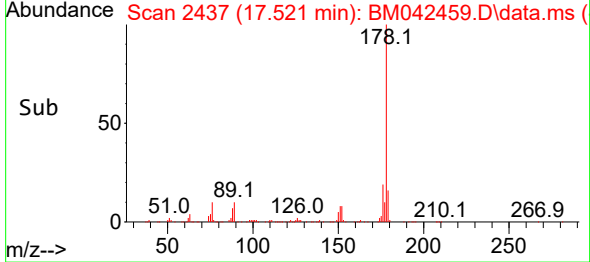


#72
 Anthracene
 Concen: 2.893 ng
 RT: 17.521 min Scan# 24
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

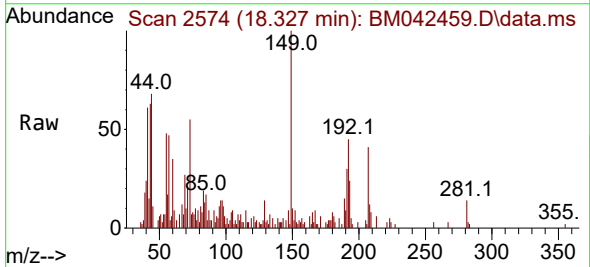
Instrument :
 BNA_M
 ClientSampleId :
 343



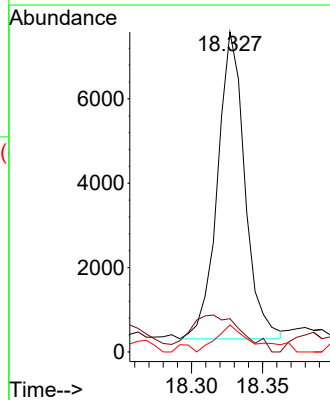
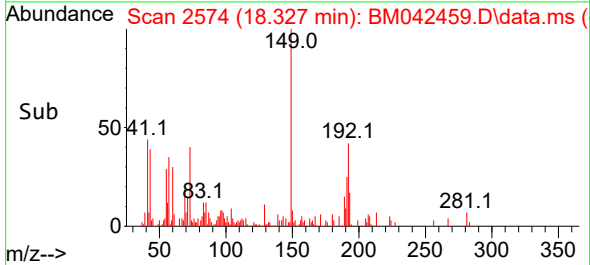
Tgt Ion:178 Resp: 138449
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.6 12.1 18.1

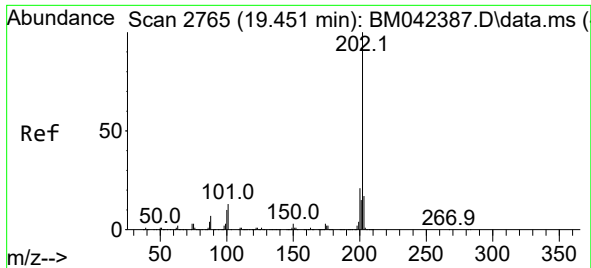


#74
 Di-n-butylphthalate
 Concen: 2.979 ng
 RT: 18.327 min Scan# 2574
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09



Tgt Ion:149 Resp: 9736
 Ion Ratio Lower Upper
 149 100
 150 10.4 7.4 11.0
 104 8.4 4.6 7.0#

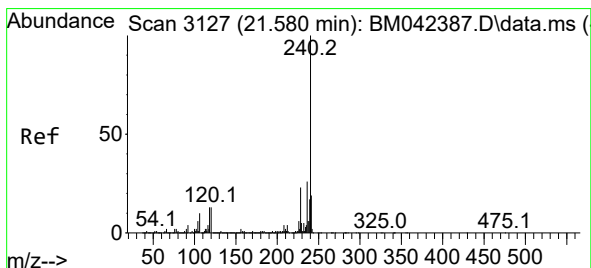
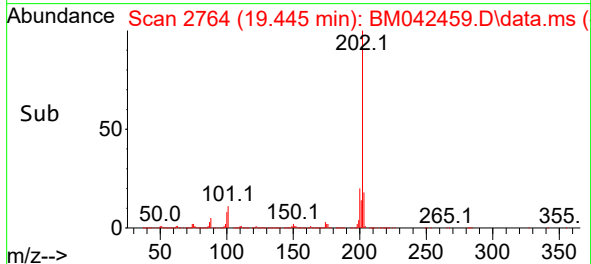
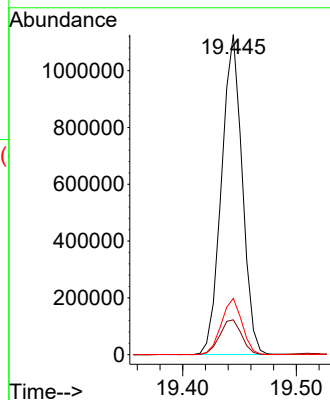
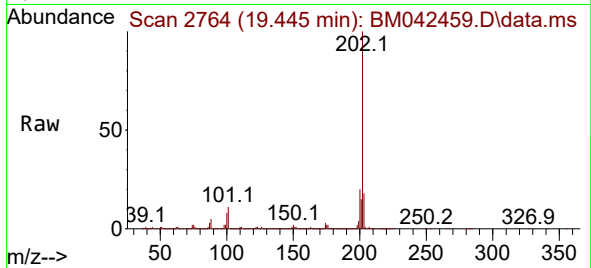




#75
 Fluoranthene
 Concen: 26.802 ng
 RT: 19.445 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

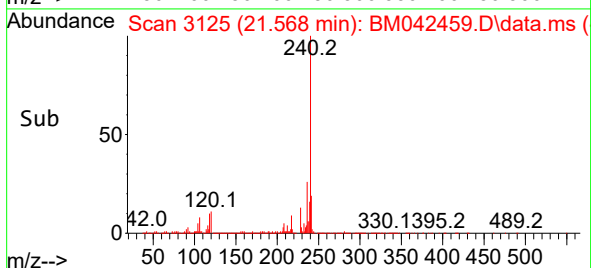
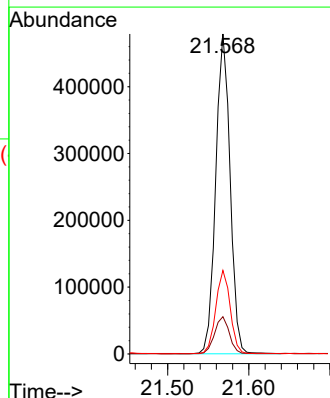
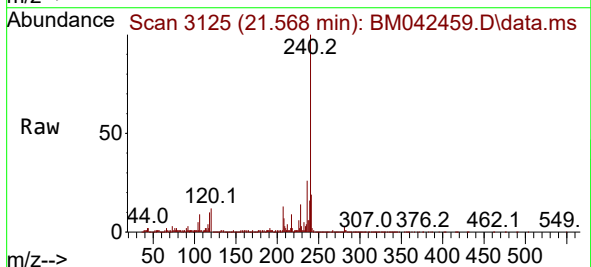
Instrument :
 BNA_M
 ClientSampleId :
 343

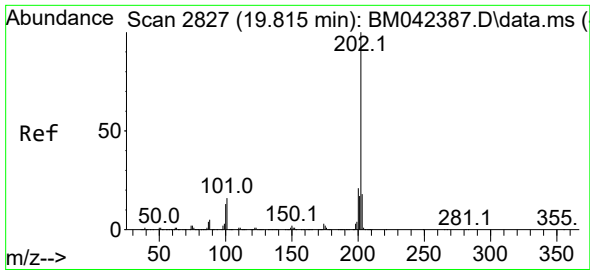
Tgt Ion:202 Resp: 1426346
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 33.3
 203 17.6 0.0 37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.568 min Scan# 3125
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Tgt Ion:240 Resp: 588626
 Ion Ratio Lower Upper
 240 100
 120 11.6 10.7 16.1
 236 26.1 20.7 31.1



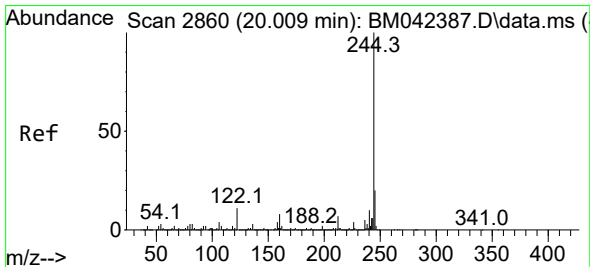
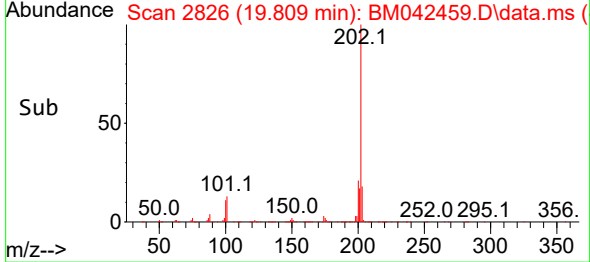
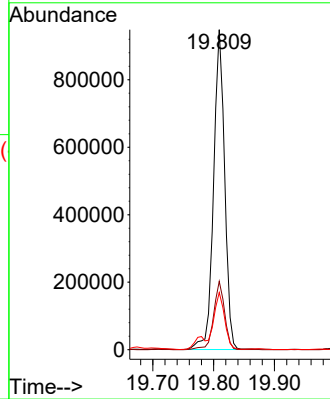
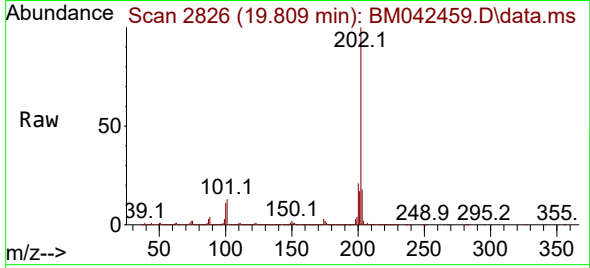


#78
 Pyrene
 Concen: 29.171 ng
 RT: 19.809 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument :
 BNA_M
 ClientSampleId :
 343

Tgt Ion:202 Resp: 1199904

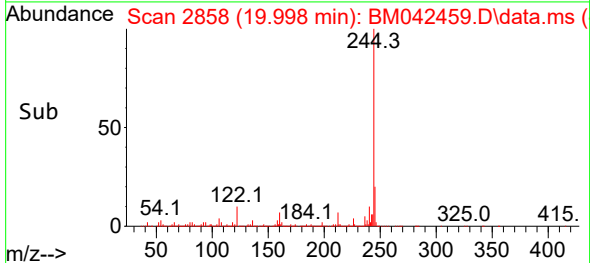
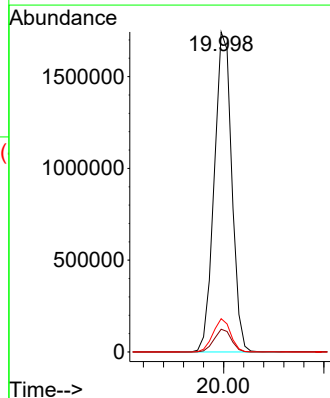
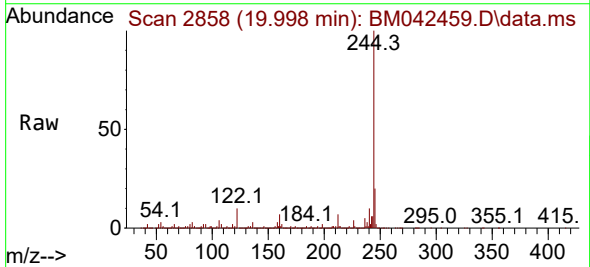
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	17.9	14.1	21.1

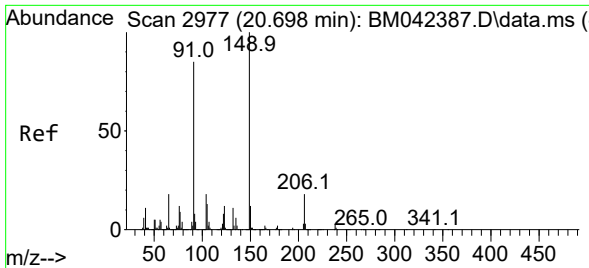


#79
 Terphenyl-d14
 Concen: 63.580 ng
 RT: 19.998 min Scan# 2858
 Delta R.T. -0.011 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Tgt Ion:244 Resp: 2110244

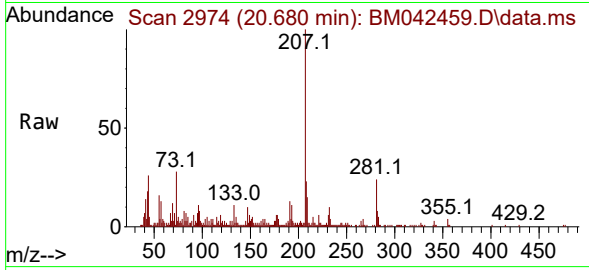
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.4	8.8	13.2





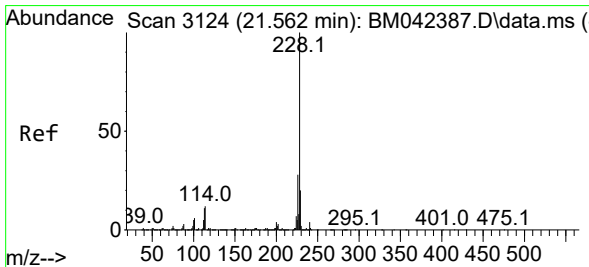
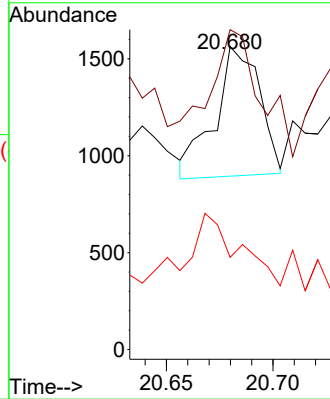
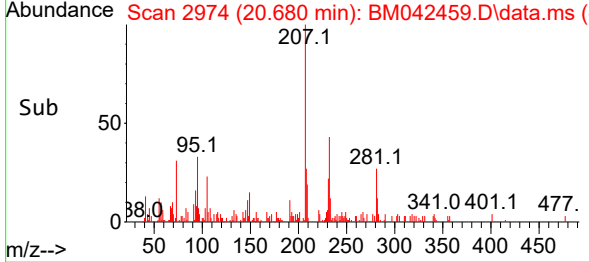
#80
 Butylbenzylphthalate
 Concen: 3.307 ng
 RT: 20.680 min Scan# 2974
 Delta R.T. -0.018 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument : BNA_M
 ClientSampleId : 343

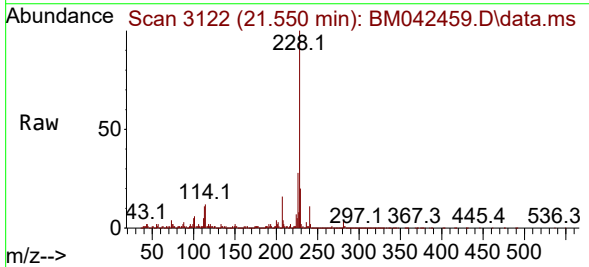


Tgt Ion:149 Resp: 979

Ion	Ratio	Lower	Upper
149	100		
91	105.6	68.3	102.5#
206	30.5	14.6	22.0#

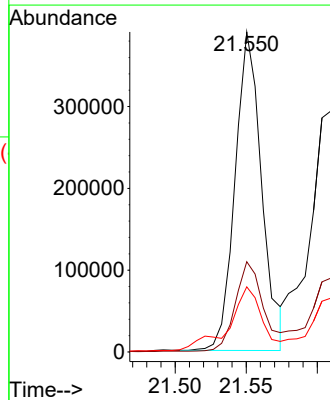
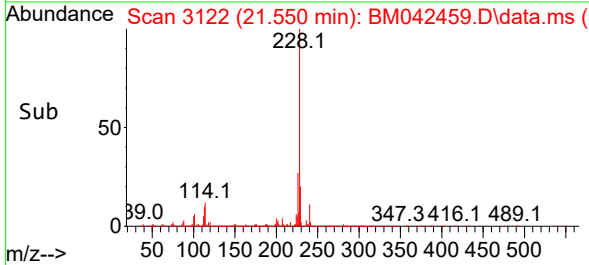


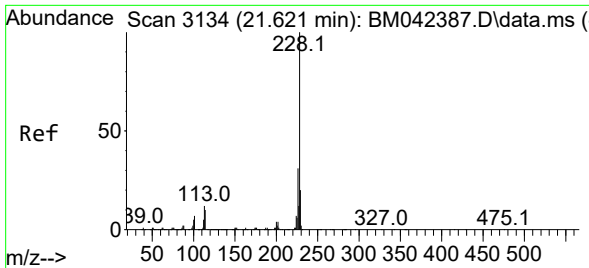
#81
 Benzo(a)anthracene
 Concen: 12.887 ng
 RT: 21.550 min Scan# 3122
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09



Tgt Ion:228 Resp: 508524

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.4
229	20.3	15.7	23.5



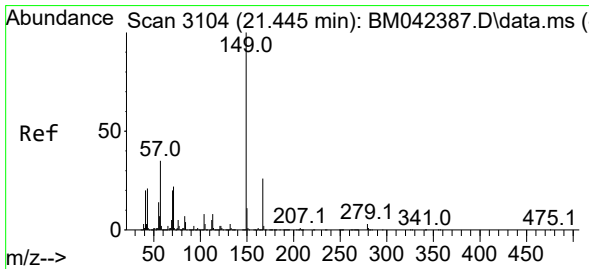
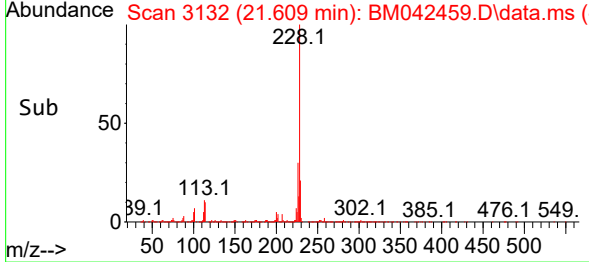
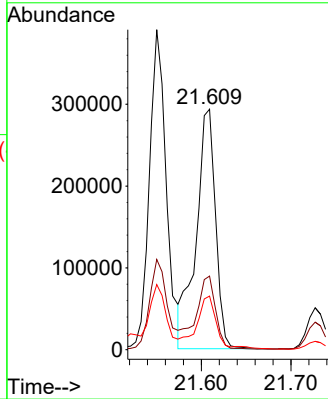
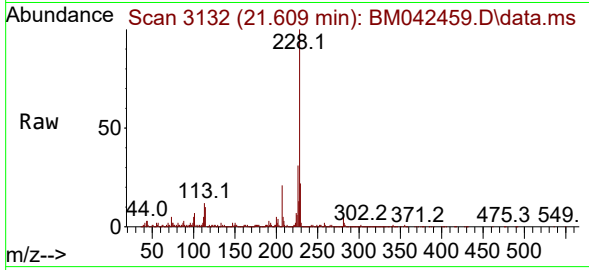


#83
 Chrysene
 Concen: 11.719 ng
 RT: 21.609 min Scan# 3134
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument :
 BNA_M
 ClientSampleId :
 343

Tgt Ion:228 Resp: 444158

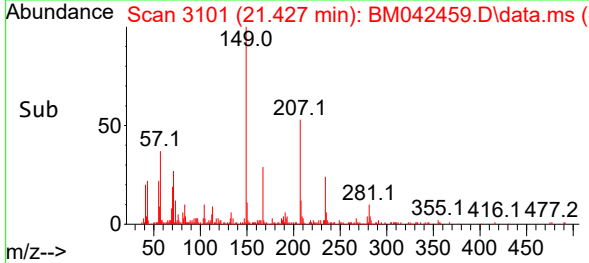
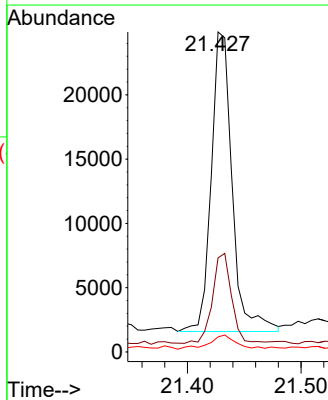
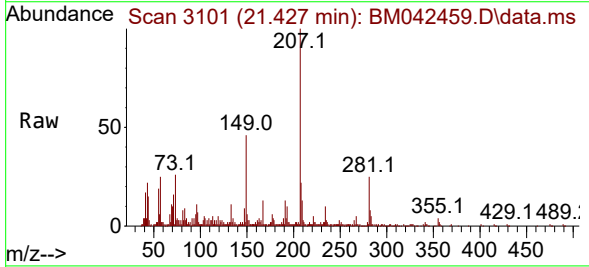
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	36.8
229	22.3	15.7	23.5

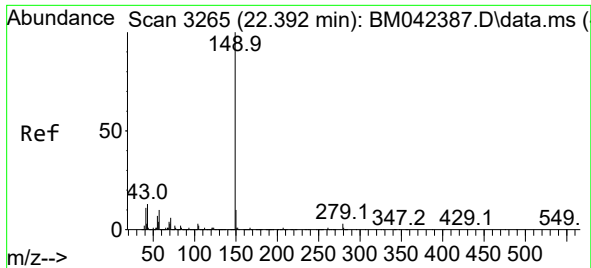


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.413 ng
 RT: 21.427 min Scan# 3101
 Delta R.T. -0.018 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Tgt Ion:149 Resp: 29765

Ion	Ratio	Lower	Upper
149	100		
167	29.4	20.9	31.3
279	4.7	2.7	4.1

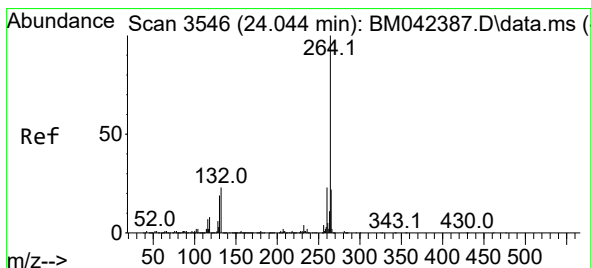
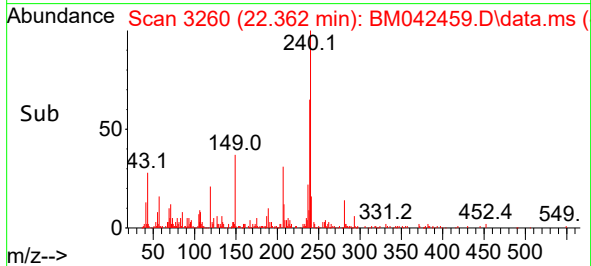
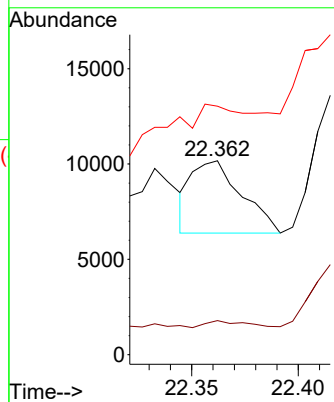
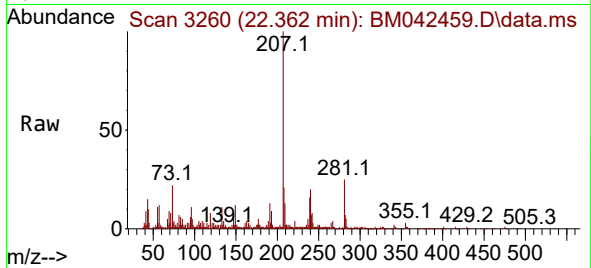




#85
 Di-n-octyl phthalate
 Concen: 4.342 ng
 RT: 22.362 min Scan# 31
 Delta R.T. -0.030 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

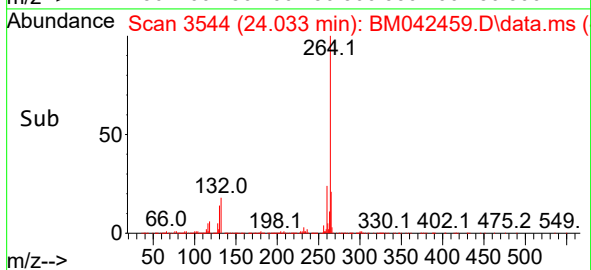
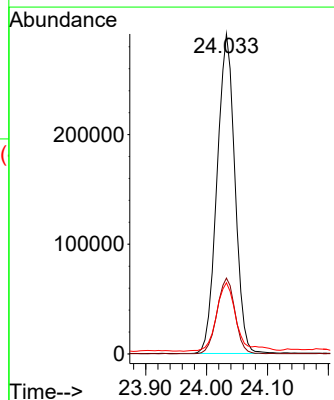
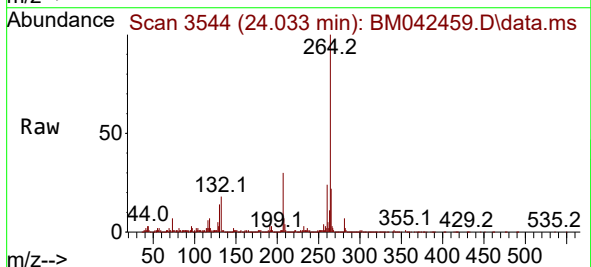
Instrument :
 BNA_M
 ClientSampleId :
 343

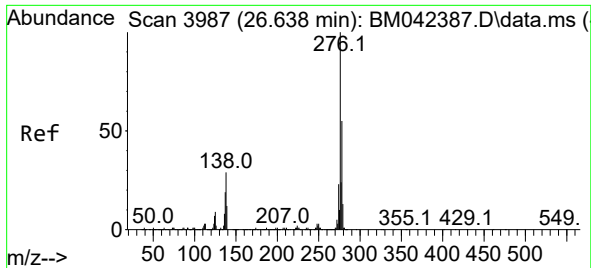
Tgt Ion:149 Resp: 6181
 Ion Ratio Lower Upper
 149 100
 167 7.8 1.2 1.8#
 43 162.5 11.0 16.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.033 min Scan# 3544
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Tgt Ion:264 Resp: 593434
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 27.8
 265 22.2 17.8 26.8



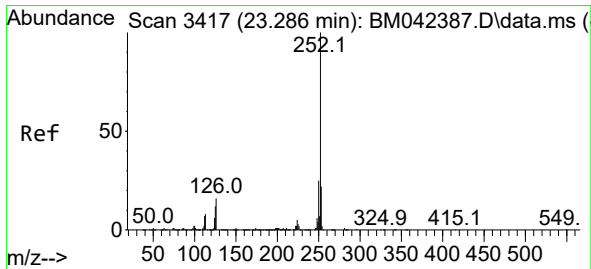
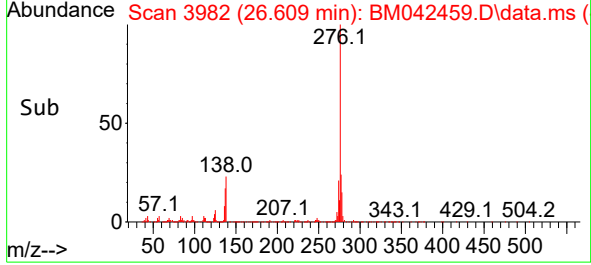
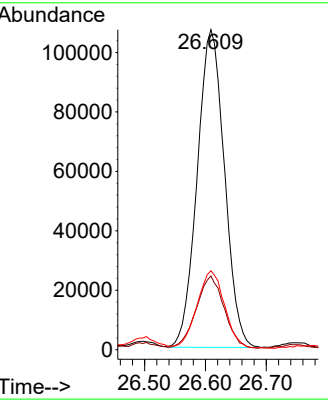
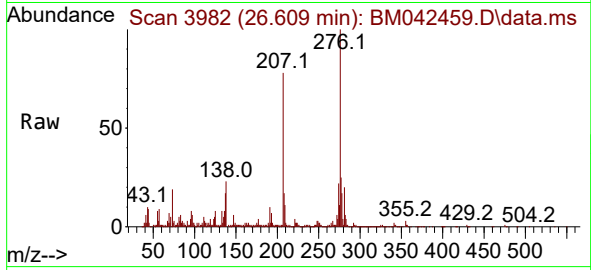


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.664 ng
 RT: 26.609 min Scan# 3415
 Delta R.T. -0.029 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument :
 BNA_M
 ClientSampleId :
 343

Tgt Ion: 276 Resp: 332375

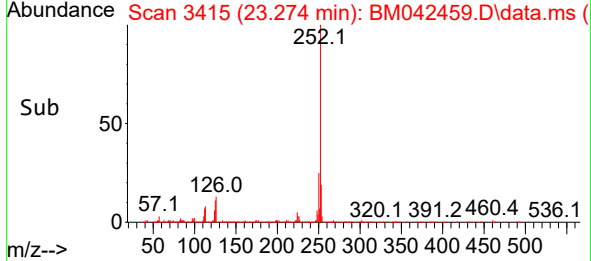
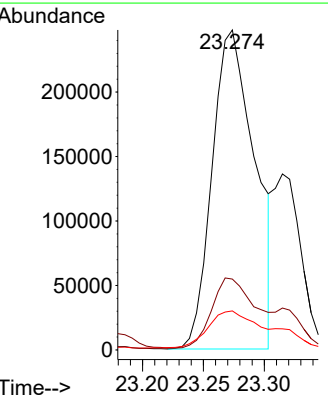
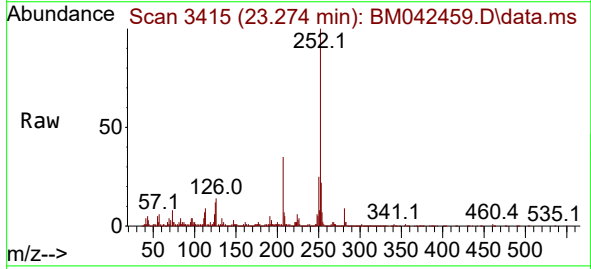
Ion	Ratio	Lower	Upper
276	100		
138	23.3	25.6	38.4#
277	24.8	20.0	30.0

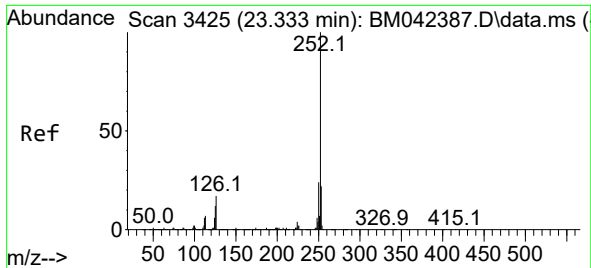


#88
 Benzo(b)fluoranthene
 Concen: 16.913 ng
 RT: 23.274 min Scan# 3415
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Tgt Ion: 252 Resp: 604135

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	12.2	9.8	14.8



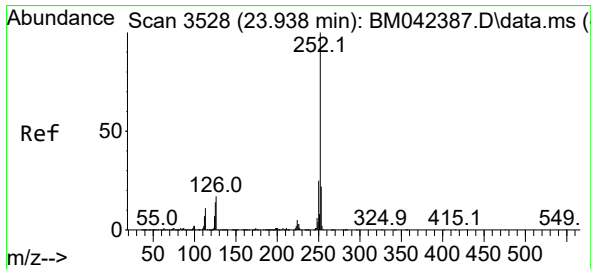
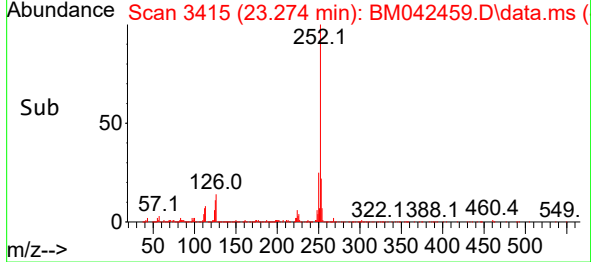
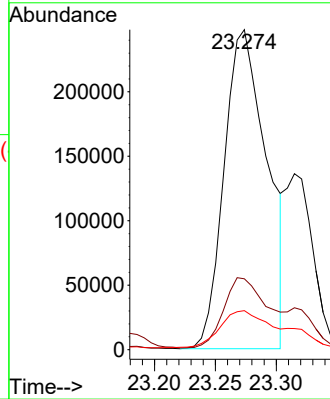
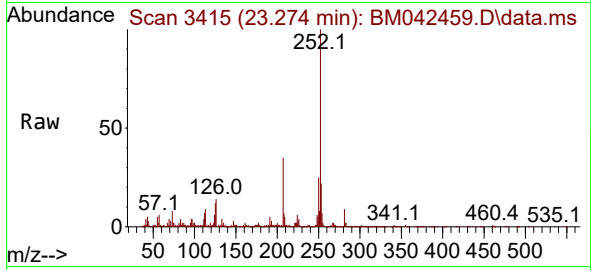


#89
 Benzo(k)fluoranthene
 Concen: 16.290 ng
 RT: 23.274 min Scan# 34
 Delta R.T. -0.059 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument :
 BNA_M
 ClientSampleId :
 343

Tgt Ion:252 Resp: 604135

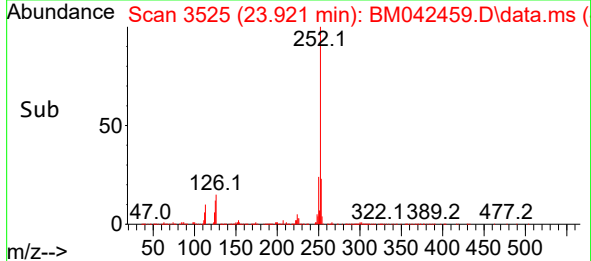
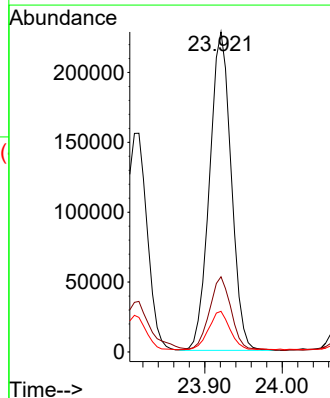
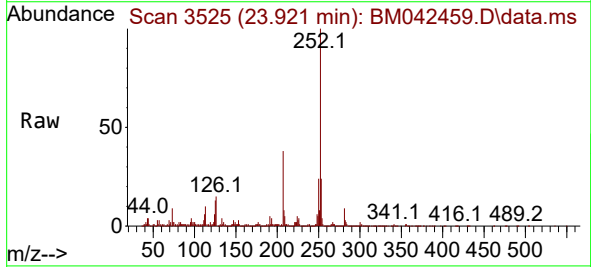
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	12.2	10.2	15.2

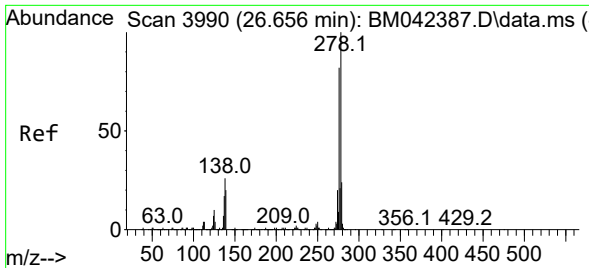


#90
 Benzo(a)pyrene
 Concen: 12.869 ng
 RT: 23.921 min Scan# 3525
 Delta R.T. -0.018 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Tgt Ion:252 Resp: 442455

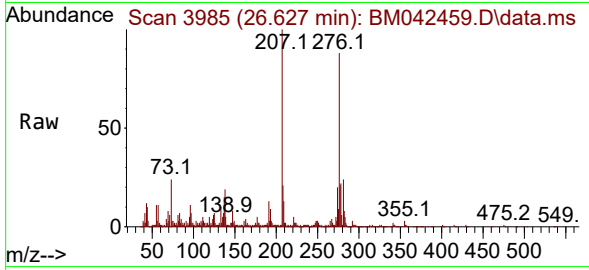
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	12.7	10.9	16.3



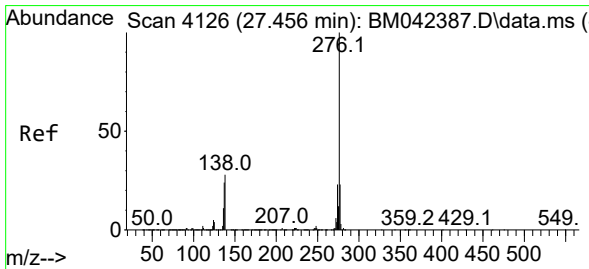
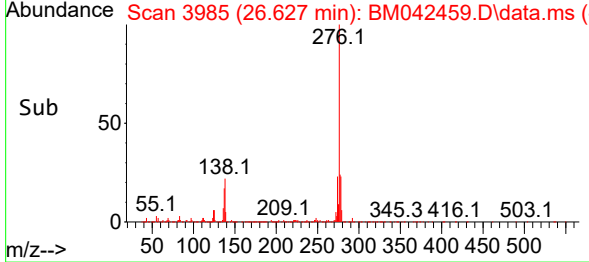
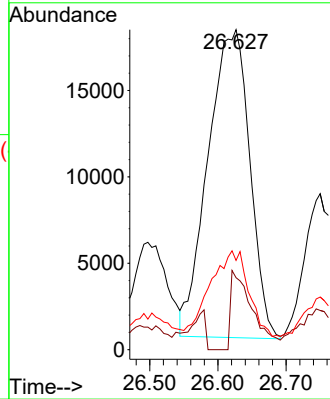


#91
 Dibenzo(a,h)anthracene
 Concen: 2.107 ng
 RT: 26.627 min Scan# 343
 Delta R.T. -0.029 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Instrument :
 BNA_M
 ClientSampleId :
 343



Tgt Ion:278 Resp: 75968
 Ion Ratio Lower Upper
 278 100
 139 22.5 15.6 23.4
 279 27.9 19.0 28.6



#92
 Benzo(g,h,i)perylene
 Concen: 9.422 ng
 RT: 27.421 min Scan# 4120
 Delta R.T. -0.035 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

Tgt Ion:276 Resp: 329915
 Ion Ratio Lower Upper
 276 100
 277 24.9 18.3 27.5
 138 23.0 22.6 34.0

